

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062127.D
 Acq On : 6 May 2019 13:30
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:08:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 02 07:55:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	406690	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.21	114	647328	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	513678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	272671	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	201433	63.28	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	126.56%	
35) Dibromofluoromethane	6.92	113	280843	62.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	125.46%	
50) Toluene-d8	10.41	98	641421	60.21	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	120.42%	
62) 4-Bromofluorobenzene	13.56	95	274137	64.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.32%	

Target Compounds

						Qvalue
3) Chloromethane	1.74	50	5145	1.667	ug/l	91
4) Vinyl Chloride	1.84	62	5927	2.119	ug/l	90
5) Bromomethane	2.14	94	7889	8.811	ug/l #	93
6) Chloroethane	2.25	64	7901	7.813	ug/l	99
7) Trichlorofluoromethane	2.52	101	55325	13.080	ug/l	89
8) Diethyl Ether	2.87	74	21625	19.076	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	66887	17.166	ug/l	94
10) Methyl Iodide	3.30	142	40148	11.457	ug/l	93
11) Tert butyl alcohol	4.06	59	25505	141.820	ug/l	98
12) 1,1-Dichloroethene	3.12	96	47704	14.390	ug/l	96
13) Acrolein	3.03	56	15592	83.560	ug/l	100
14) Allyl chloride	3.62	41	82585	18.244	ug/l	96
15) Acrylonitrile	4.19	53	60118	107.954	ug/l #	87
16) Acetone	3.21	43	85835	112.940	ug/l	96
17) Carbon Disulfide	3.37	76	61817	6.453	ug/l	97
18) Methyl Acetate	3.64	43	34648	24.014	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	148320	22.550	ug/l	100
20) Methylene Chloride	3.81	84	73702	17.871	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	65957	17.344	ug/l	92
22) Diisopropyl ether	5.11	45	222982	21.099	ug/l	98
23) Vinyl Acetate	5.05	43	575958	104.651	ug/l	97
24) 1,1-Dichloroethane	4.98	63	130335	20.404	ug/l	98
25) 2-Butanone	6.06	43	99599	108.090	ug/l	100
26) 2,2-Dichloropropane	6.02	77	128222	23.010	ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	89044	20.583	ug/l	95
28) Bromochloromethane	6.43	49	62475	25.562	ug/l	99
29) Tetrahydrofuran	6.45	42	45563	100.355	ug/l	96
30) Chloroform	6.66	83	158579	21.857	ug/l	99
31) Cyclohexane	6.95	56	61716	13.017	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	140726	22.293	ug/l	96
36) 1,1-Dichloropropene	7.14	75	107059	21.228	ug/l	96
37) Ethyl Acetate	6.18	43	44546	20.727	ug/l #	94
38) Carbon Tetrachloride	7.11	117	142731	22.334	ug/l	99
39) Methylcyclohexane	8.86	83	87632	17.611	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.45	78	246057	19.707	ug/l	97
41) Methacrylonitrile	6.44	41	56968	22.718	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	97226	22.934	ug/l	94
43) Isopropyl Acetate	9.24	43	64607	20.574	ug/l	97
44) Trichloroethene	8.54	130	104749	21.640	ug/l	96
45) 1,2-Dichloropropane	8.93	63	63097	19.920	ug/l	90
46) Dibromomethane	9.06	93	48062	21.087	ug/l	91
47) Bromodichloromethane	9.37	83	124052	23.035	ug/l #	93
48) Methyl methacrylate	9.12	41	40904	22.830	ug/l	98
49) 1,4-Dioxane	9.09	88	8255	427.357	ug/l #	92
51) 4-Methyl-2-Pentanone	10.30	43	226753	118.074	ug/l	96
52) Toluene	10.51	92	172795	21.705	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	107251	23.726	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	120461	21.910	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	64794	24.243	ug/l	97
56) Ethyl methacrylate	11.04	69	69807	23.582	ug/l	96
57) 1,3-Dichloropropane	11.40	76	93902	22.748	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	216632	157.408	ug/l	97
59) 2-Hexanone	11.53	43	160399	111.342	ug/l	100
60) Dibromochloromethane	11.69	129	111442	25.200	ug/l	98
61) 1,2-Dibromoethane	11.81	107	74092	23.369	ug/l	100
64) Tetrachloroethene	11.25	164	85043	23.208	ug/l	97
65) Chlorobenzene	12.40	112	238167	24.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	106116	25.773	ug/l	95
67) Ethyl Benzene	12.52	91	381046	24.051	ug/l	100
68) m/p-Xylenes	12.66	106	282049	49.257	ug/l	93
69) o-Xylene	13.05	106	138748	26.483	ug/l	93
70) Stvrene	13.07	104	236092	26.098	ug/l	98
71) Bromoform	13.23	173	63463	27.036	ug/l #	98
73) Isopropylbenzene	13.40	105	402722	22.141	ug/l	99
74) N-amyl acetate	13.26	43	98075	20.937	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	80185	22.496	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	79441	22.943	ug/l	97
77) Bromobenzene	13.67	156	116502	22.328	ug/l	92
78) n-propylbenzene	13.77	91	475119	22.818	ug/l	99
79) 2-Chlorotoluene	13.84	91	273809	21.710	ug/l	94
80) 1,3,5-Trimethylbenzene	13.93	105	328001	22.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	22893	21.818	ug/l	89
82) 4-Chlorotoluene	13.94	91	311134	22.400	ug/l	89
83) tert-Butylbenzene	14.19	119	379141	22.566	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	319064	23.040	ug/l	97
85) sec-Butylbenzene	14.37	105	452291	24.914	ug/l	99
86) p-Isopropyltoluene	14.49	119	381004	23.450	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	202494	22.161	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	203946	23.867	ug/l	96
89) n-Butylbenzene	14.80	91	352554	24.170	ug/l	98
90) Hexachloroethane	15.01	117	106563	24.256	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	185914	24.666	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	10595	21.695	ug/l	94
93) 1,2,4-Trichlorobenzene	15.94	180	110296	27.121	ug/l	96

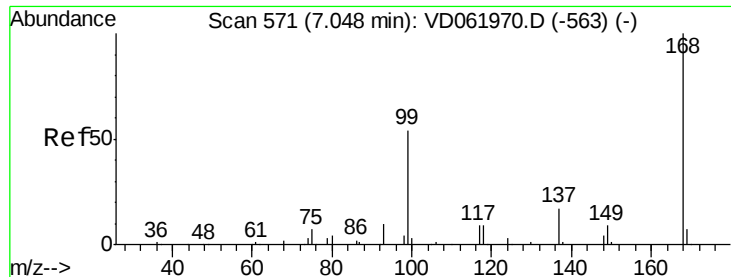
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QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.04	225	82207	27.315	ug/l	99
95) Naphthalene	16.12	128	148558	22.624	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	64008	27.740	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

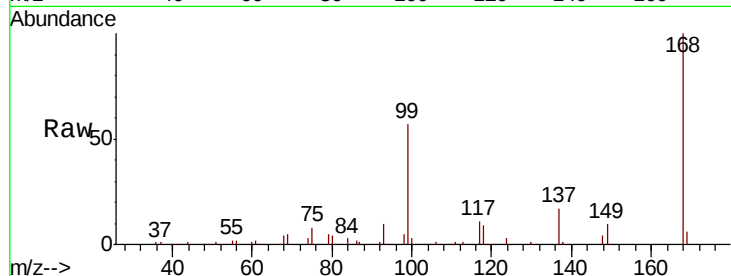
VD0506SBSD01

Tot Ion:168 Resp: 406690

Ion Ratio Lower Upper

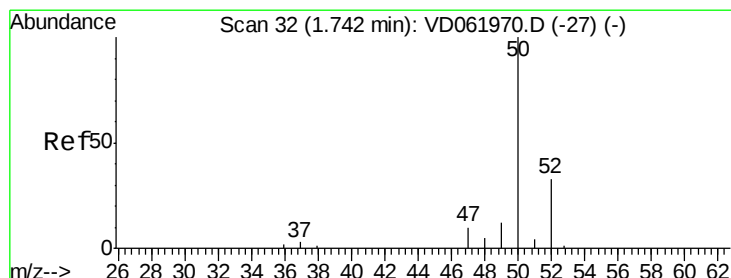
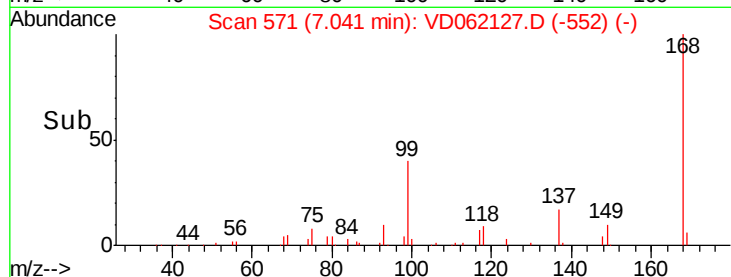
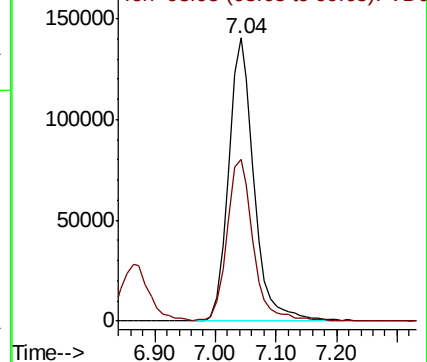
168 100

99 57.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.667 ug/l

RT: 1.74 min Scan# 32

Delta R.T. -0.02 min

Lab File: VD062127.D

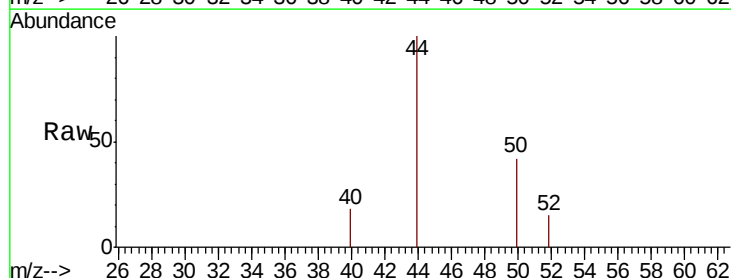
Acq: 6 May 2019 13:30

Tgt Ion: 50 Resp: 5145

Ion Ratio Lower Upper

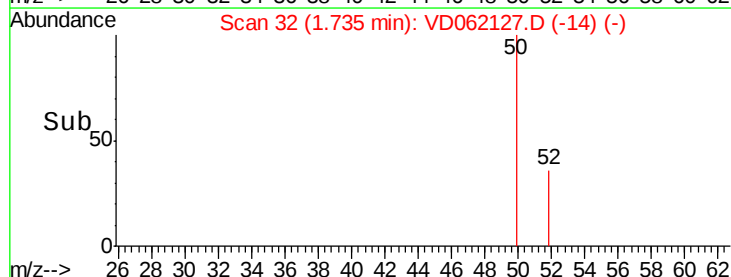
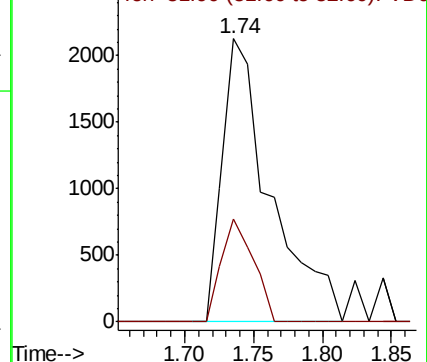
50 100

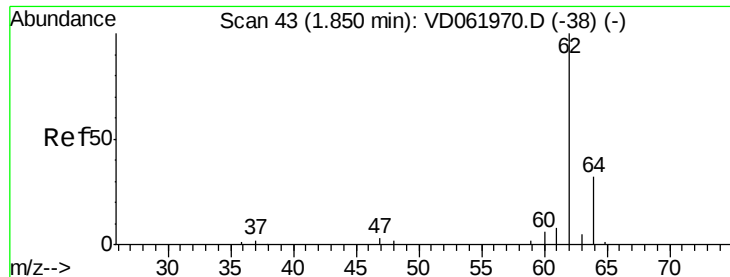
52 36.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 2.119 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleID :

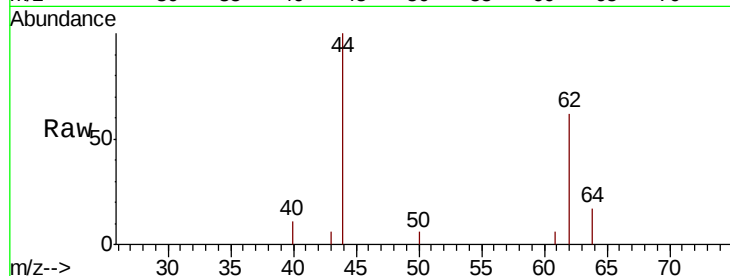
VD0506SBS01

Tot Ion: 62 Resp: 5927

Ion Ratio Lower Upper

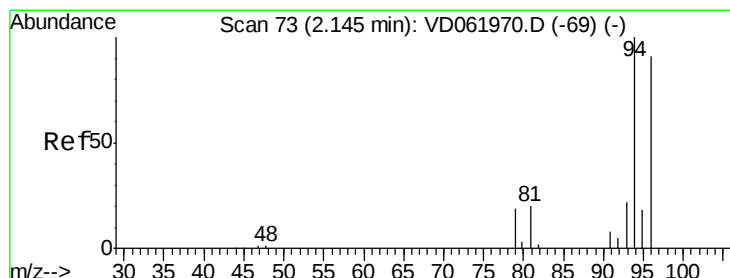
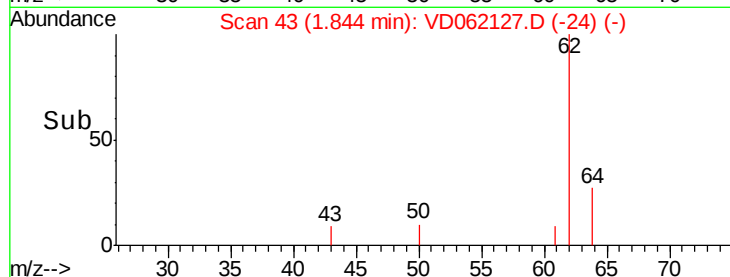
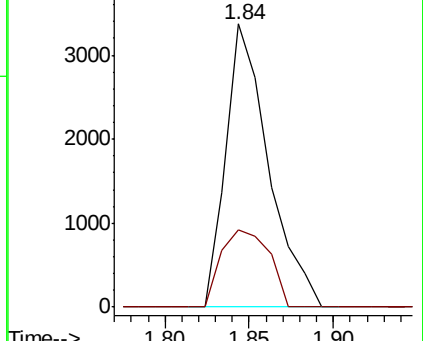
62 100

64 27.3 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#5

Bromomethane

Concen: 8.811 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

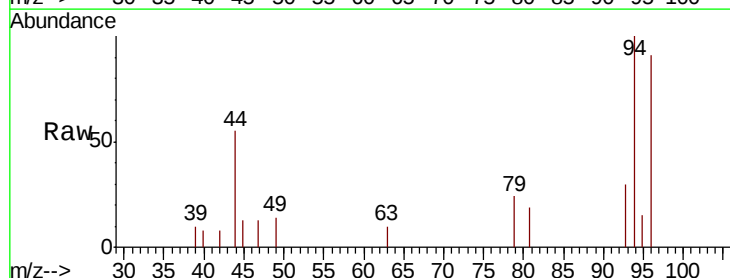
Tgt Ion: 94 Resp: 7889

Ion Ratio Lower Upper

94 100

96 90.6 76.6 115.0

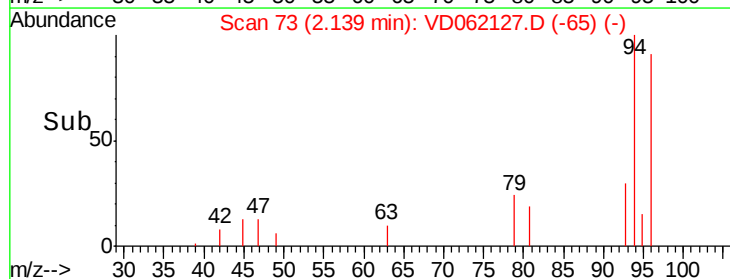
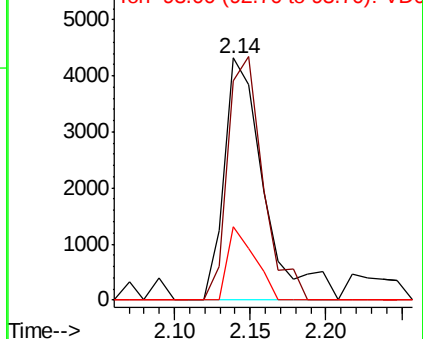
93 30.0 18.5 27.7#

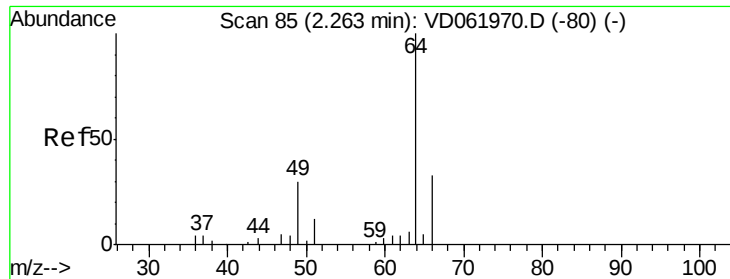


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 7.813 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.03 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

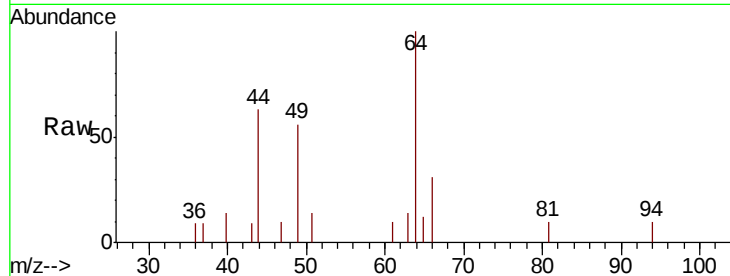
VD0506SBS01

Tot Ion: 64 Resp: 7901

Ion Ratio Lower Upper

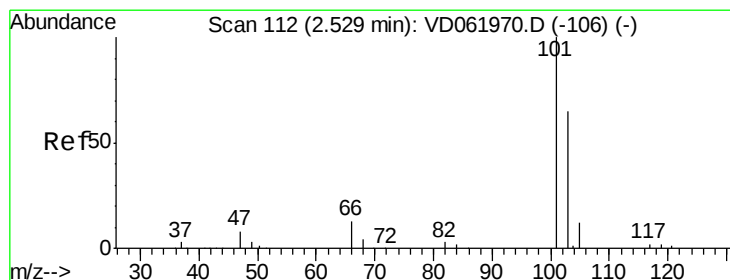
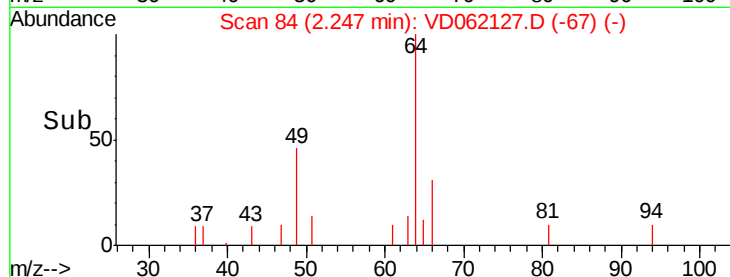
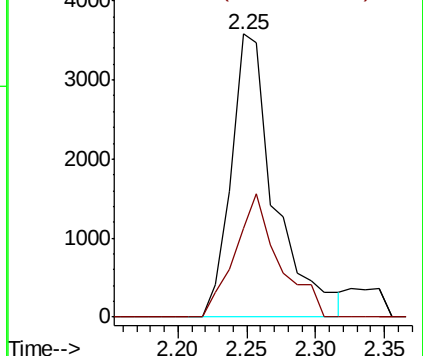
64 100

66 31.2 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 13.080 ug/l

RT: 2.52 min Scan# 112

Delta R.T. -0.02 min

Lab File: VD062127.D

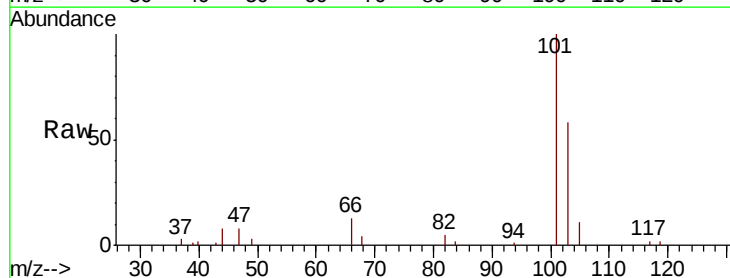
Acq: 6 May 2019 13:30

Tgt Ion: 101 Resp: 55325

Ion Ratio Lower Upper

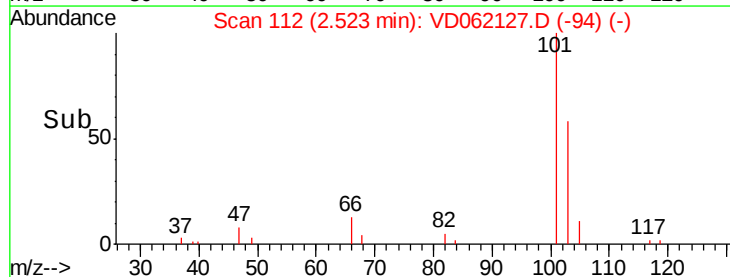
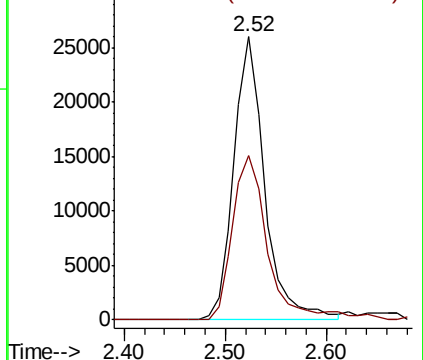
101 100

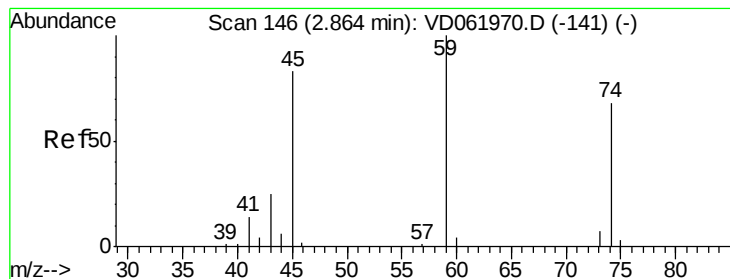
103 57.9 53.6 80.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#8

Diethyl Ether

Concen: 19.076 ug/l

RT: 2.87 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD062127.D

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ClientSampleId :

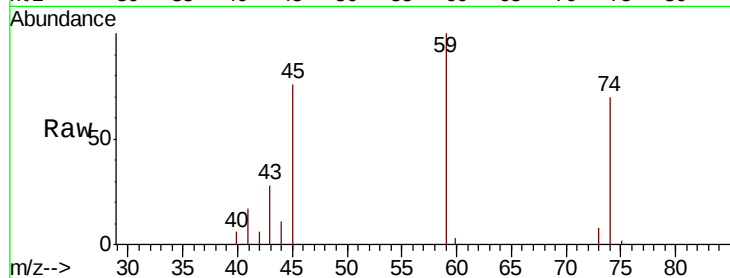
VD0506SBSD01

Tot Ion: 74 Resp: 21625

Ion Ratio Lower Upper

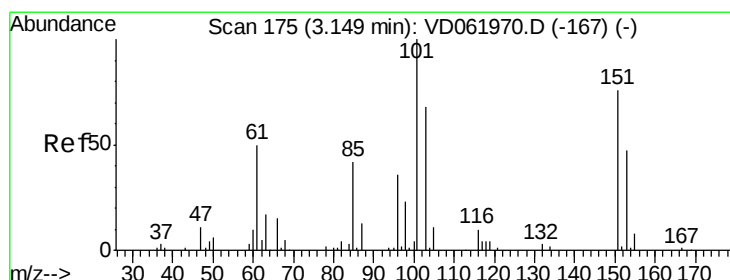
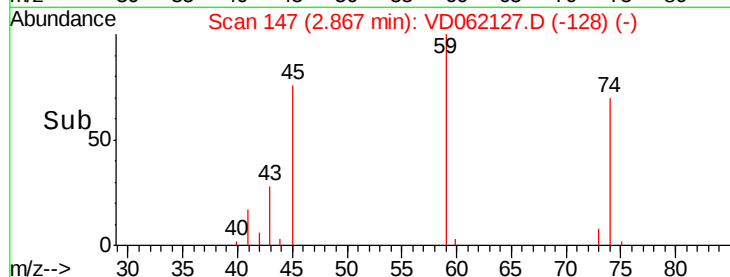
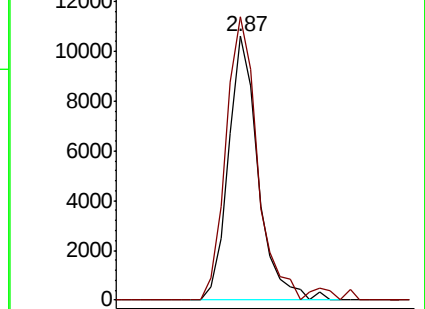
74 100

45 107.3 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.166 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

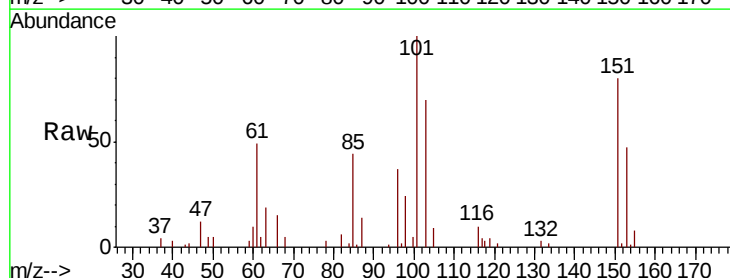
Tgt Ion: 101 Resp: 66887

Ion Ratio Lower Upper

101 100

85 43.5 32.4 48.6

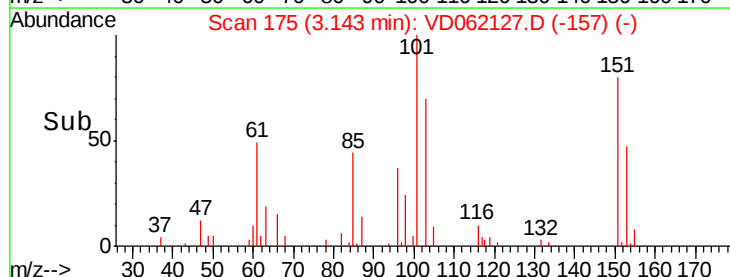
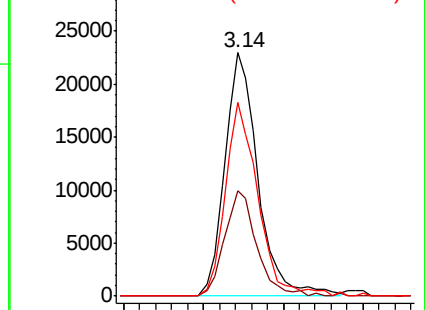
151 79.5 59.4 89.0

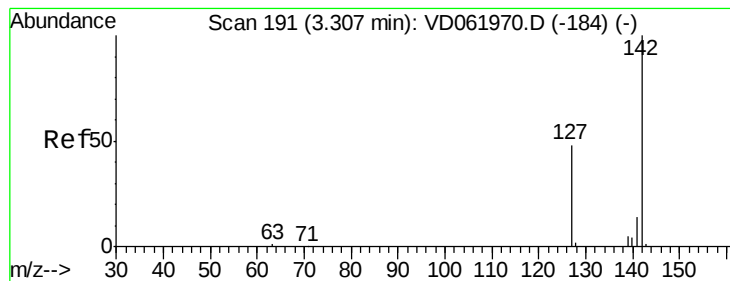


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





#10

Methvl Iodide

Concen: 11.457 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

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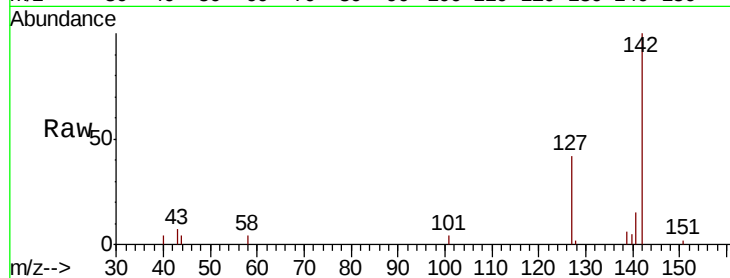
Tot Ion:142 Resp: 40148

Ion Ratio Lower Upper

142 100

127 42.3 38.8 58.2

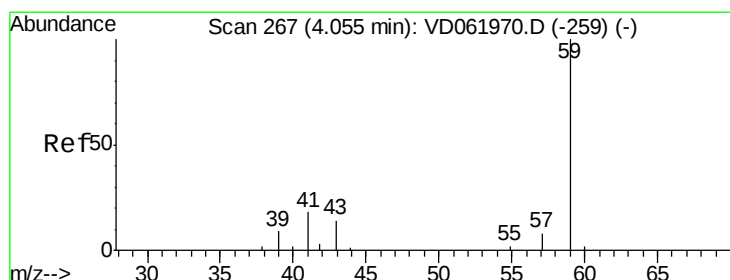
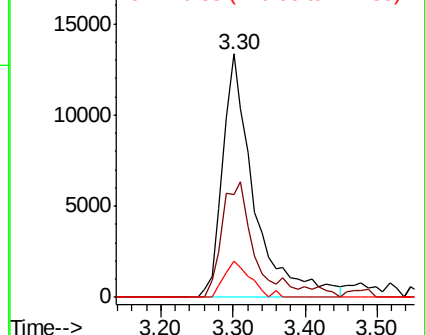
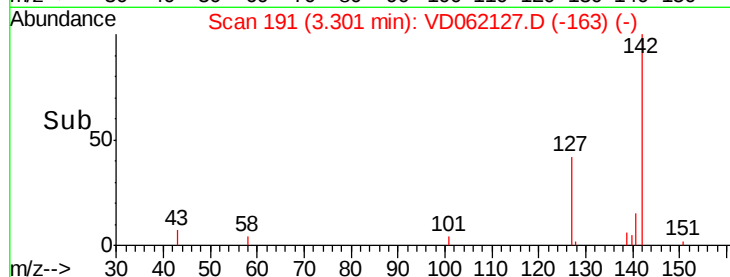
141 14.6 11.4 17.0



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



#11

Tert butyl alcohol

Concen: 141.820 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD062127.D

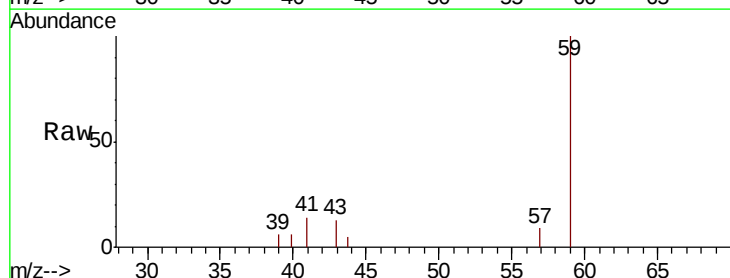
Acq: 6 May 2019 13:30

Tgt Ion: 59 Resp: 25505

Ion Ratio Lower Upper

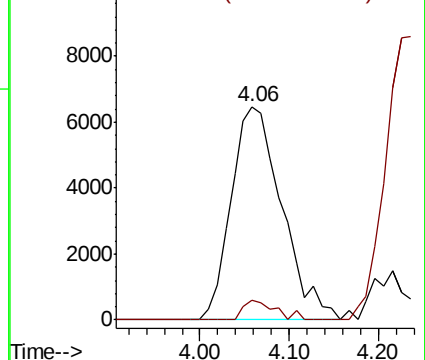
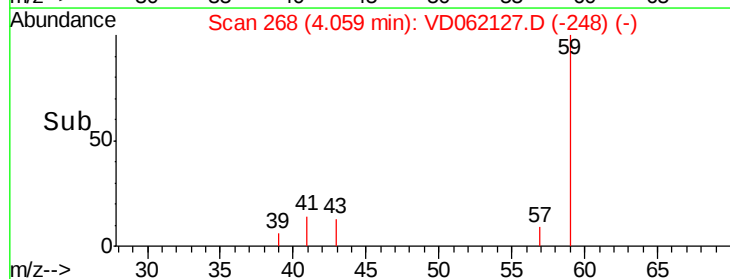
59 100

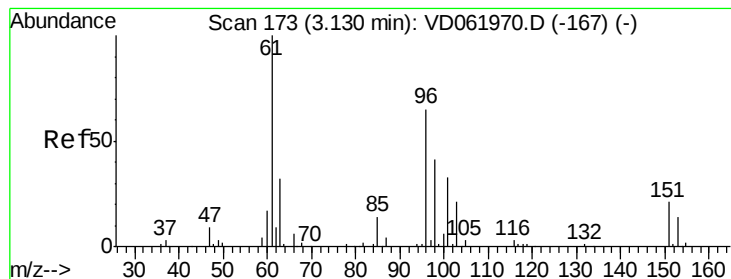
57 9.2 6.9 10.3



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V





#12

1,1-Dichloroethene

Concen: 14.390 ug/l

RT: 3.12 min Scan# 173

Delta R.T. -0.02 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

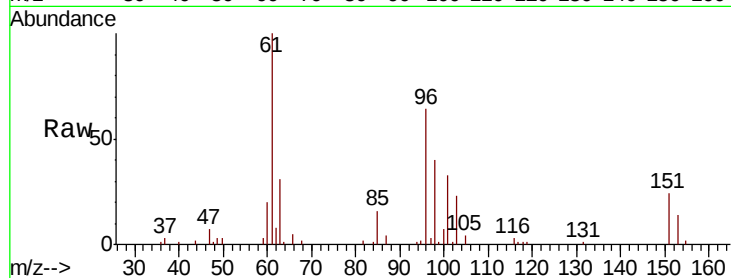
Tot Ion: 96 Resp: 47704

Ion Ratio Lower Upper

96 100

61 155.1 129.8 194.8

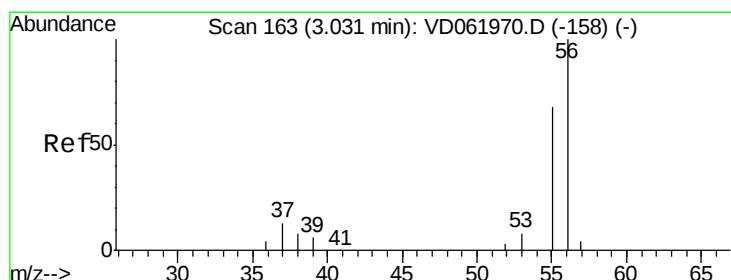
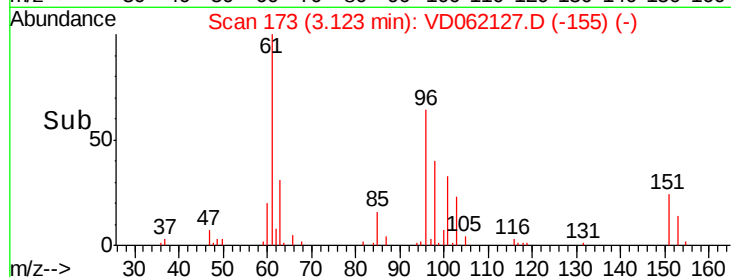
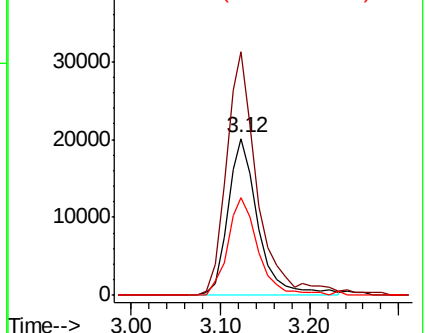
98 62.6 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#13

Acrolein

Concen: 83.560 ug/l

RT: 3.03 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD062127.D

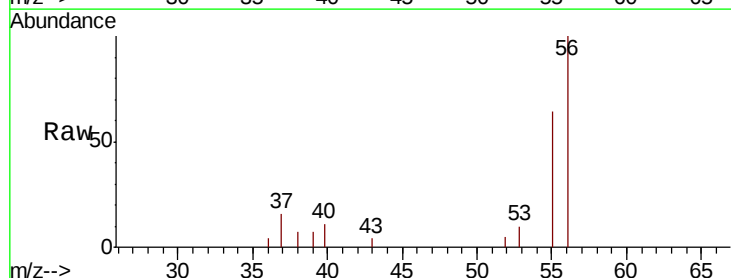
Acq: 6 May 2019 13:30

Tgt Ion: 56 Resp: 15592

Ion Ratio Lower Upper

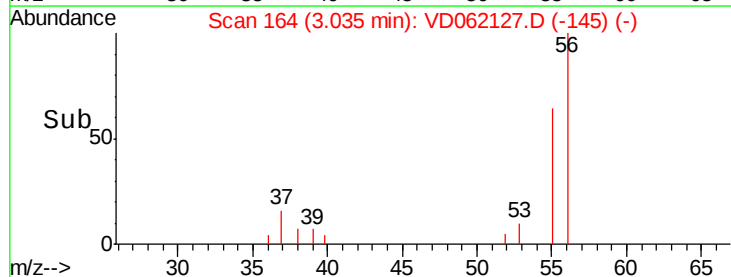
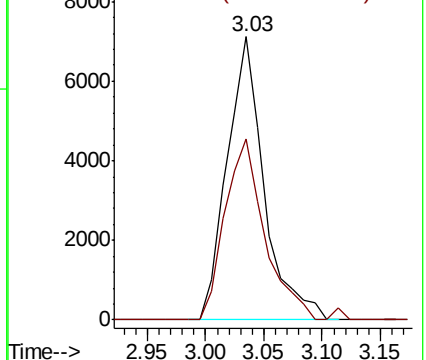
56 100

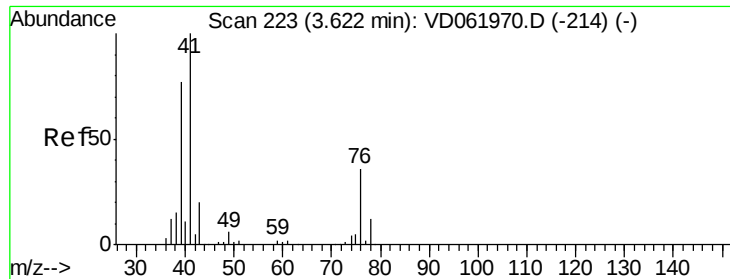
55 63.9 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

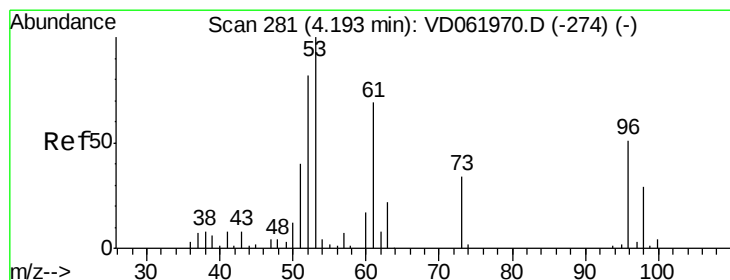
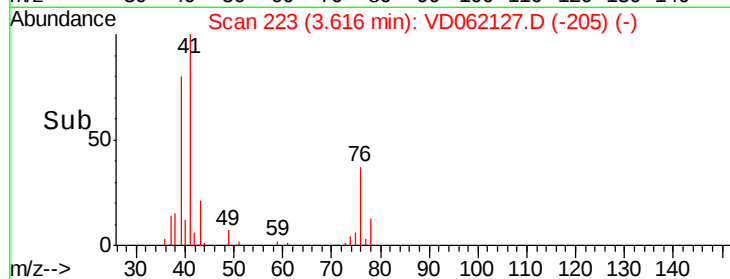
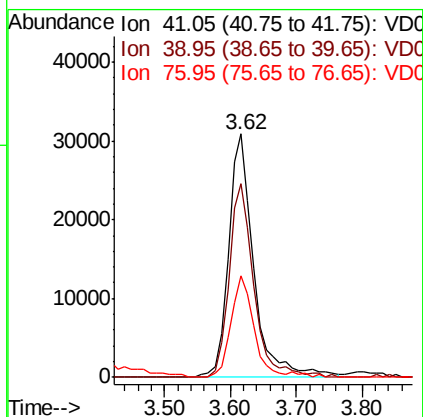
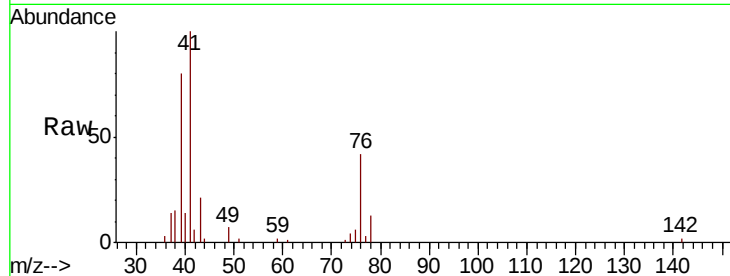




#14
Allvl chloride
Concen: 18.244 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

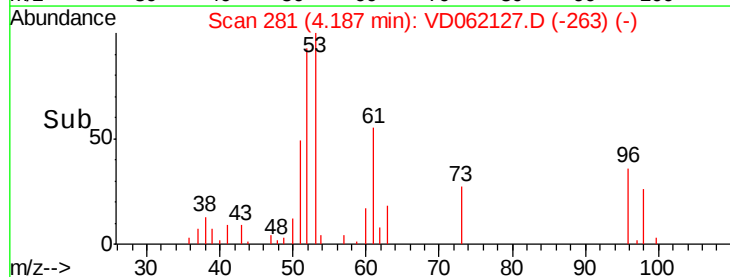
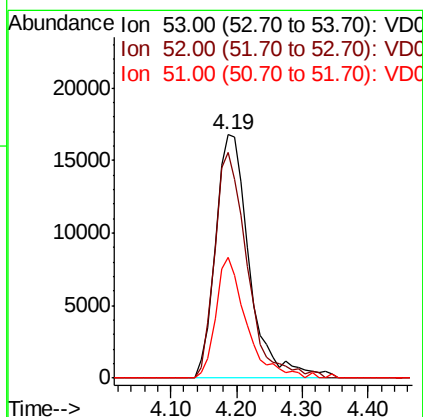
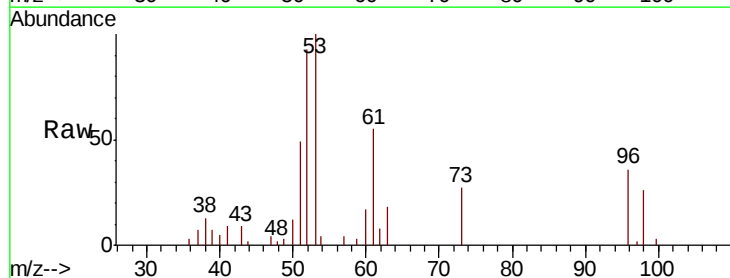
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

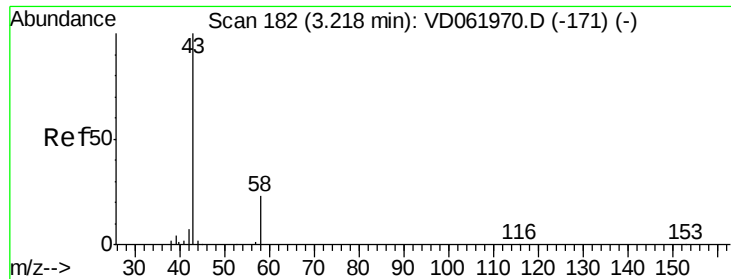
Tot Ion: 41 Resp: 82585
Ion Ratio Lower Upper
41 100
39 79.6 60.5 90.7
76 41.6 31.8 47.8



#15
Acrylonitrile
Concen: 107.954 ug/l
RT: 4.19 min Scan# 281
Delta R.T. -0.02 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion: 53 Resp: 60118
Ion Ratio Lower Upper
53 100
52 92.6 65.0 97.4
51 49.5 32.6 48.8#





#16

Acetone

Concen: 112.940 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

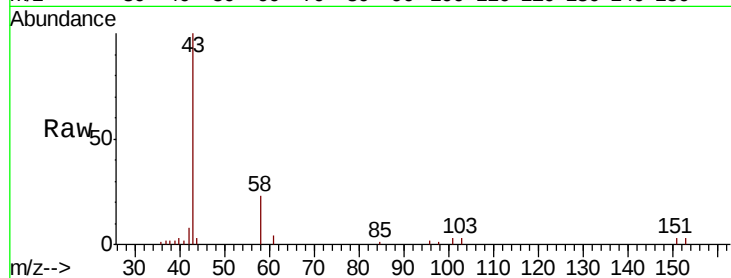
VD0506SBSD01

Tot Ion: 43 Resp: 85835

Ion Ratio Lower Upper

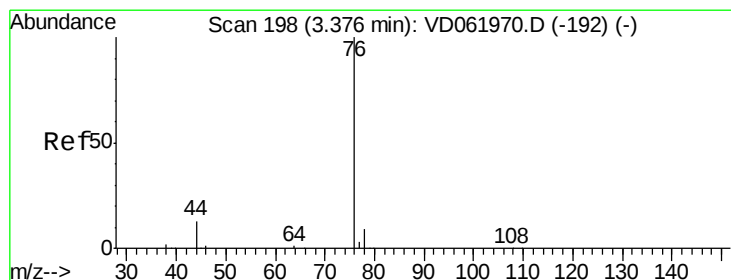
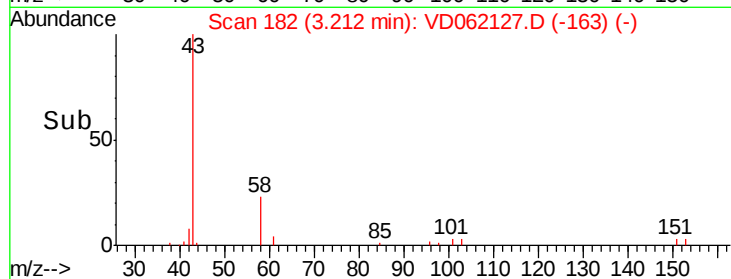
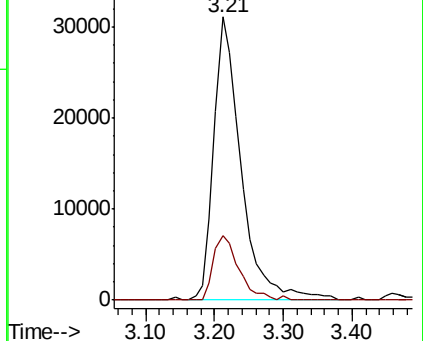
43 100

58 23.0 19.9 29.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 6.453 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD062127.D

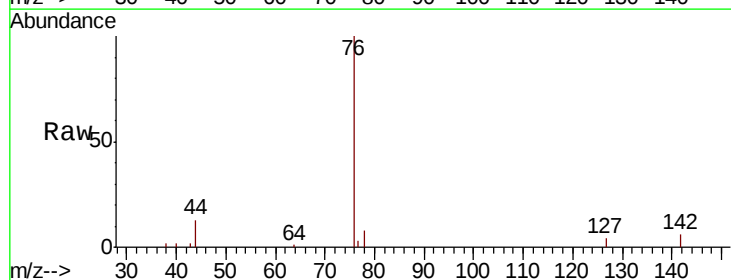
Acq: 6 May 2019 13:30

Tgt Ion: 76 Resp: 61817

Ion Ratio Lower Upper

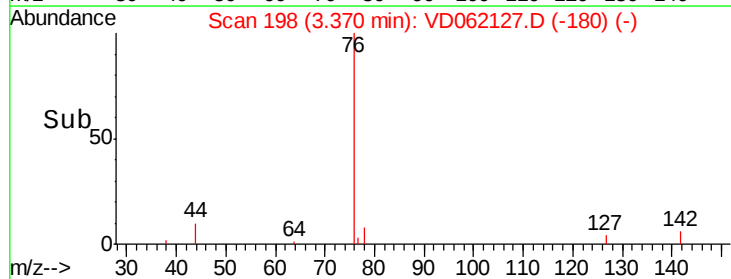
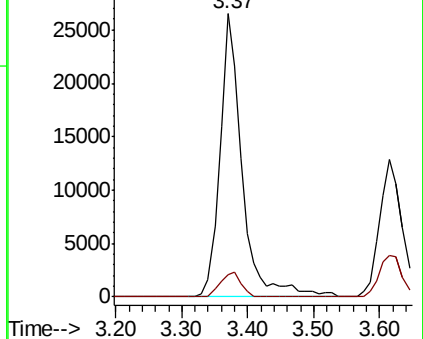
76 100

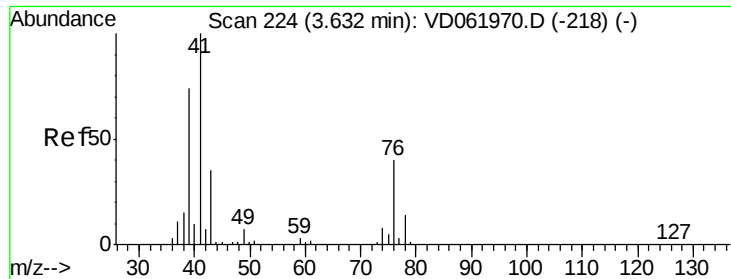
78 8.0 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

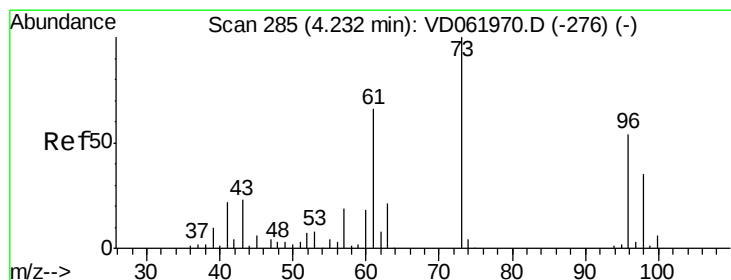
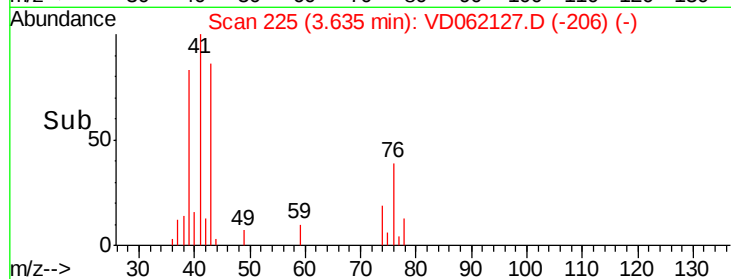
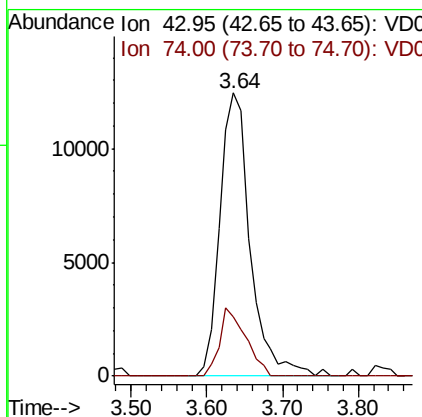
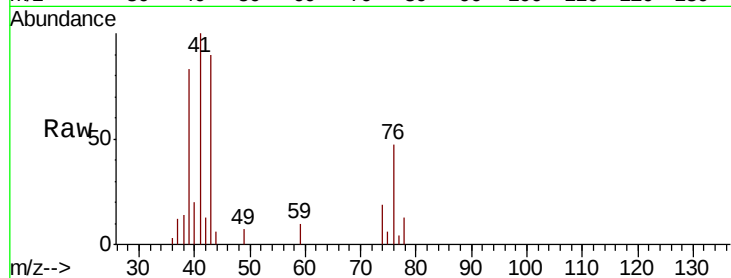




#18
Methvl Acetate
Concen: 24.014 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

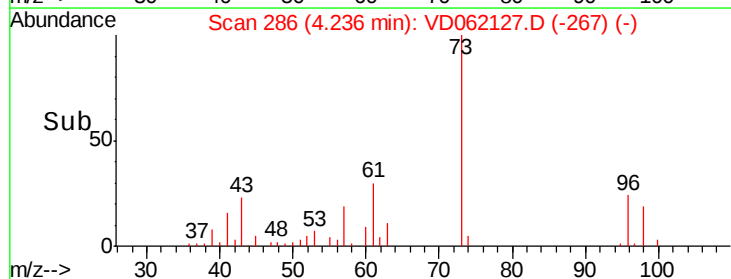
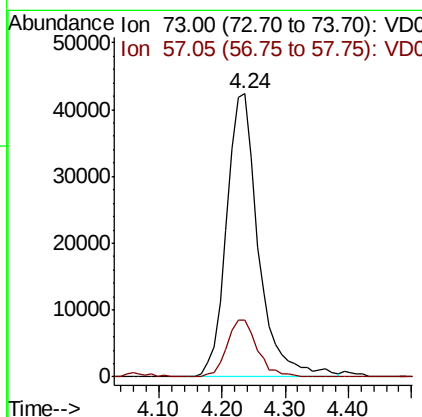
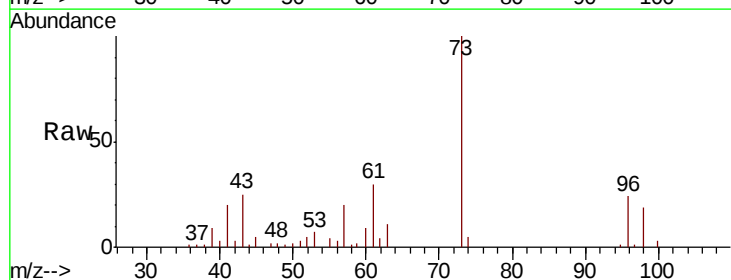
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

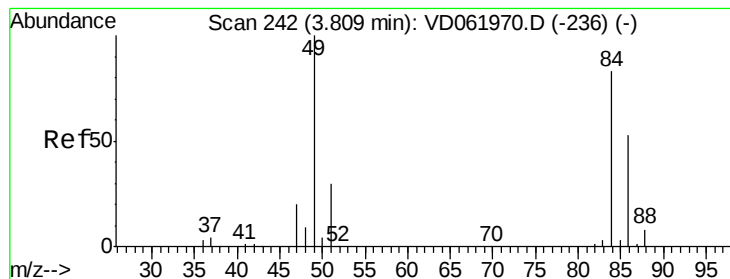
Tot Ion: 43 Resp: 34648
Ion Ratio Lower Upper
43 100
74 20.9 18.0 27.0



#19
Methyl tert-butyl Ether
Concen: 22.550 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion: 73 Resp: 148320
Ion Ratio Lower Upper
73 100
57 20.3 16.3 24.5





#20

Methylene Chloride

Concen: 17.871 ug/l

RT: 3.81 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

Tot Ion: 84 Resp: 73702

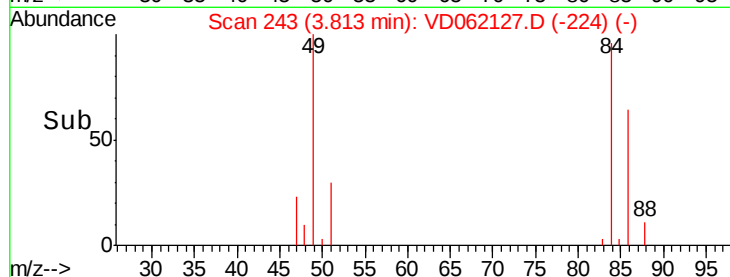
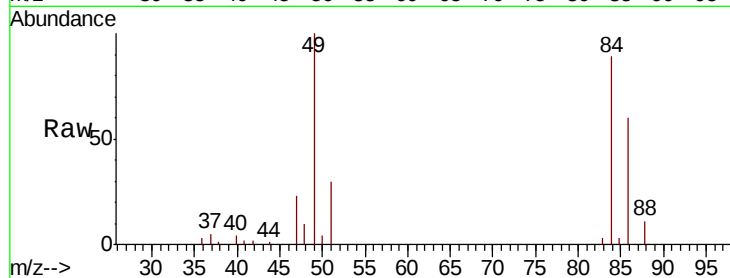
Ion Ratio Lower Upper

84 100

49 111.9 94.0 141.0

51 33.0 29.0 43.4

86 66.7 49.8 74.6

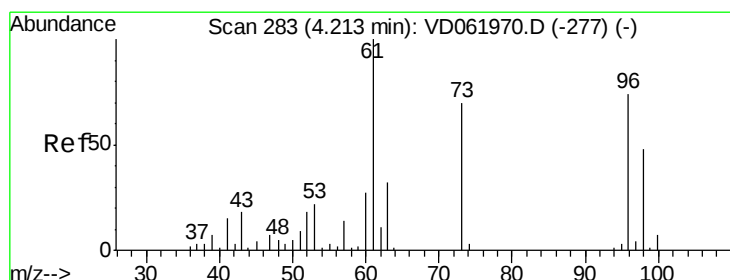
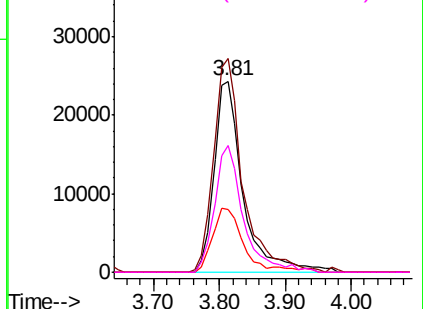


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#21

trans-1,2-Dichloroethene

Concen: 17.344 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

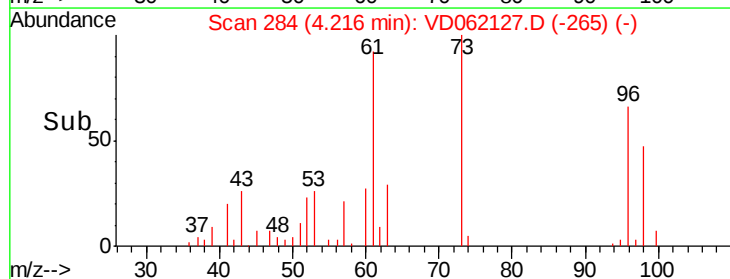
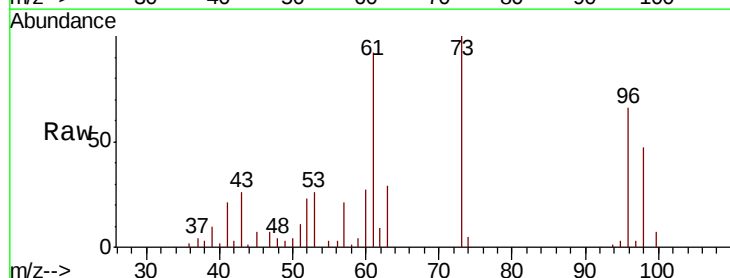
Tgt Ion: 96 Resp: 65957

Ion Ratio Lower Upper

96 100

61 139.2 104.4 156.6

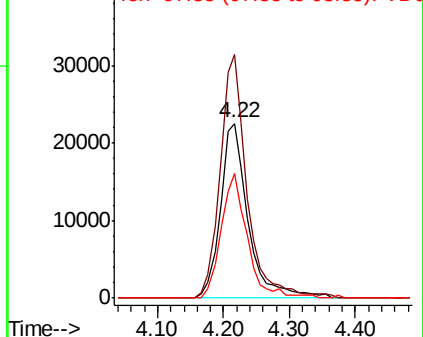
98 71.3 51.8 77.8

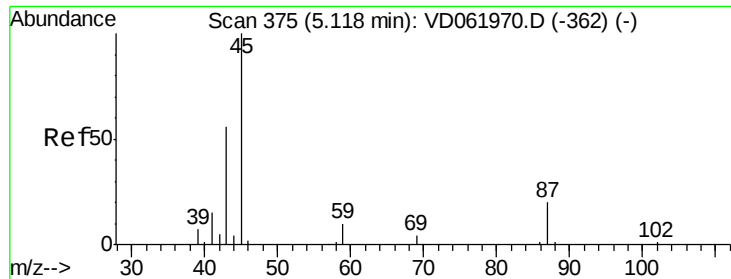


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

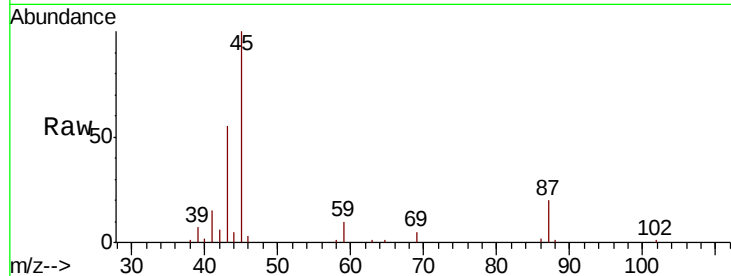




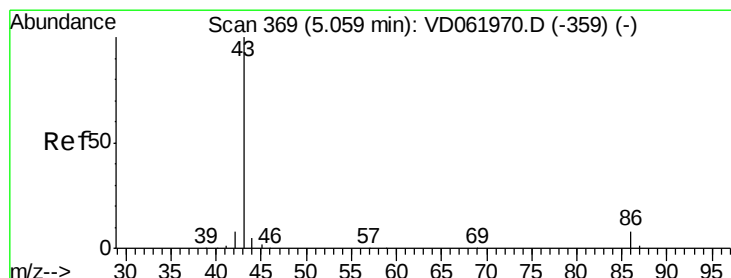
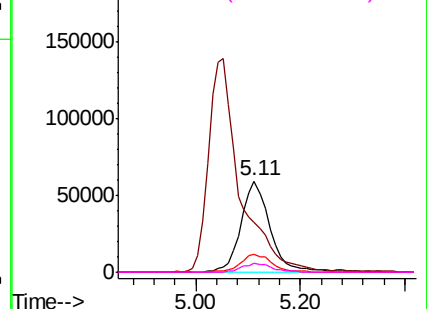
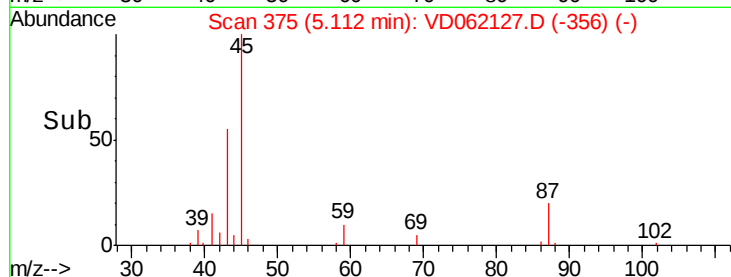
#22
Diisopropyl ether
Concen: 21.099 ug/l
RT: 5.11 min Scan# 375
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:	45	Resp:	222982
Ion	Ratio	Lower	Upper
45	100		
43	55.4	46.2	69.2
87	19.7	15.9	23.9
59	9.9	7.9	11.9

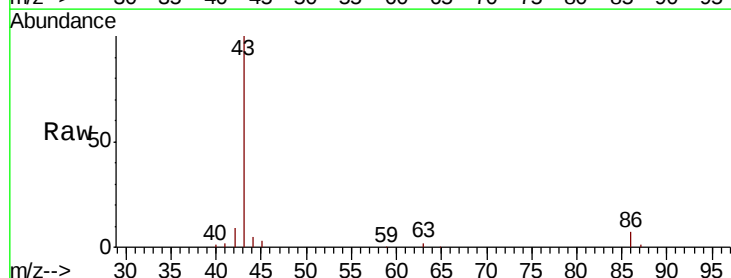


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

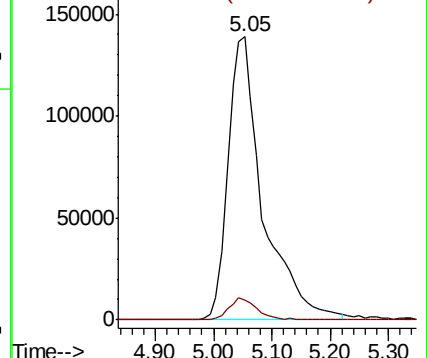
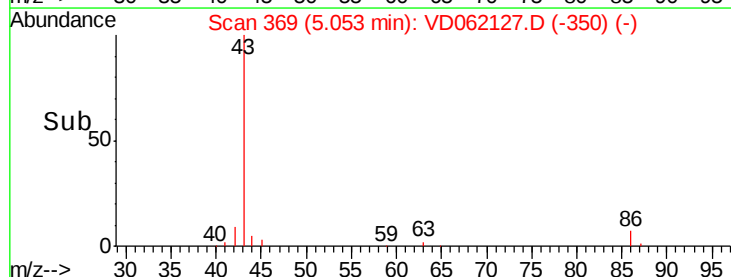


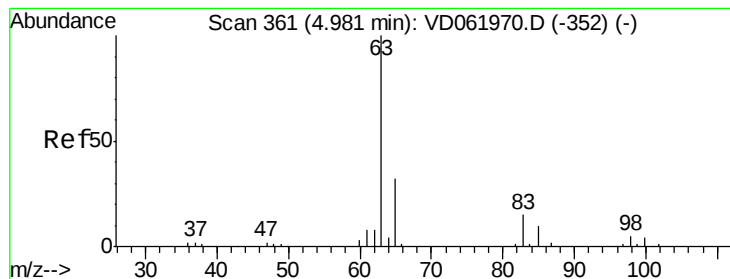
#23
Vinyl Acetate
Concen: 104.651 ug/l
RT: 5.05 min Scan# 369
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion:	43	Resp:	575958
Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.4	9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC





#24

1,1-Dichloroethane

Concen: 20.404 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

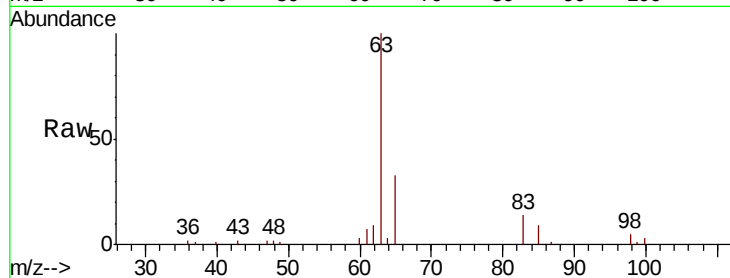
Tot Ion: 63 Resp: 130335

Ion Ratio Lower Upper

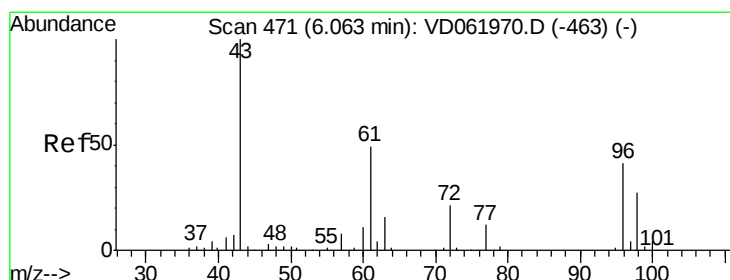
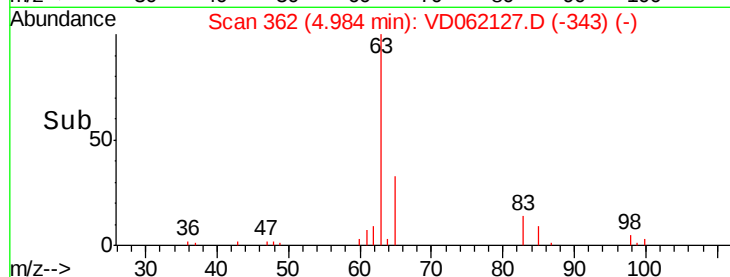
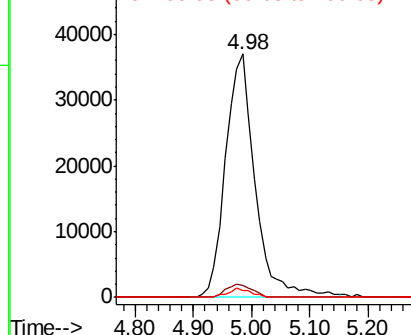
63 100

98 4.9 2.8 8.4

100 2.9 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 108.090 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD062127.D

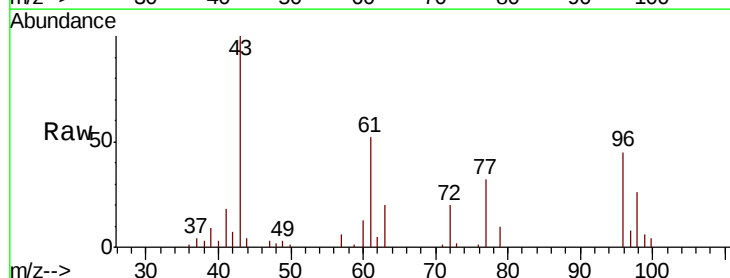
Acq: 6 May 2019 13:30

Tgt Ion: 43 Resp: 99599

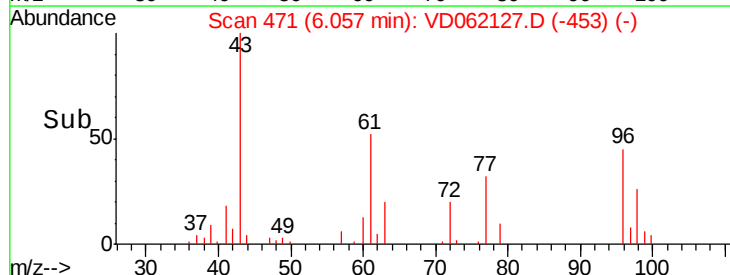
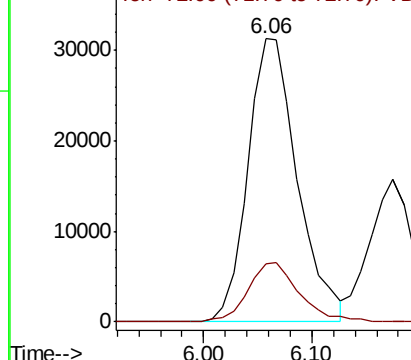
Ion Ratio Lower Upper

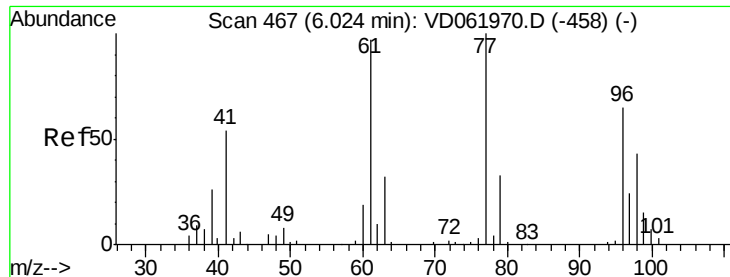
43 100

72 20.3 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 23.010 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

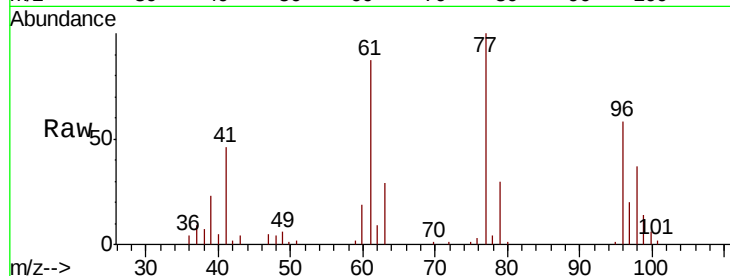
VD0506SBSD01

Tot Ion: 77 Resp: 128222

Ion Ratio Lower Upper

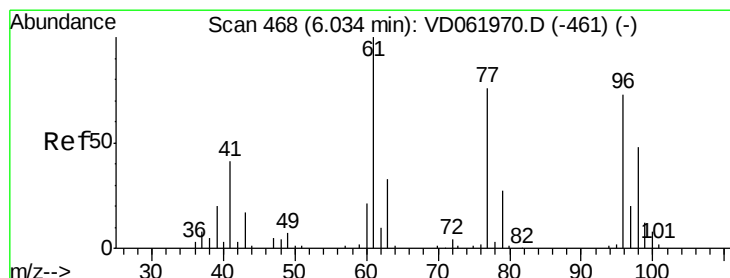
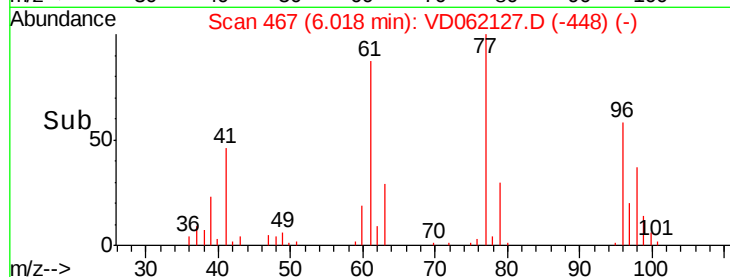
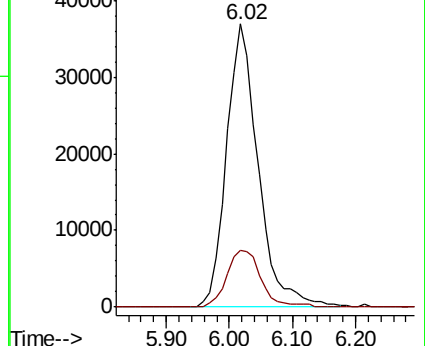
77 100

97 19.9 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#27

cis-1,2-Dichloroethene

Concen: 20.583 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

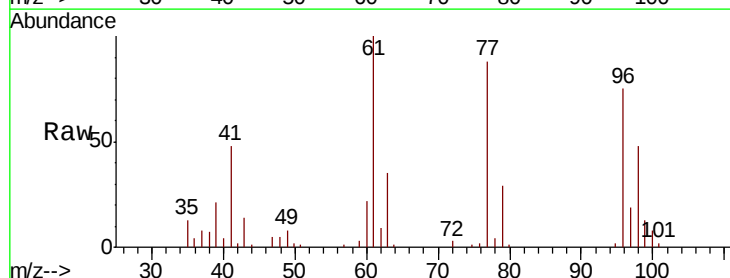
Tgt Ion: 96 Resp: 89044

Ion Ratio Lower Upper

96 100

61 134.1 0.0 279.8

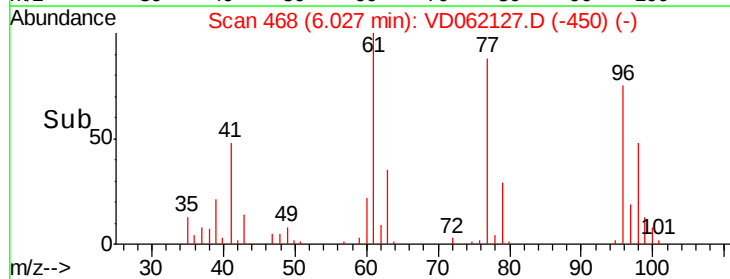
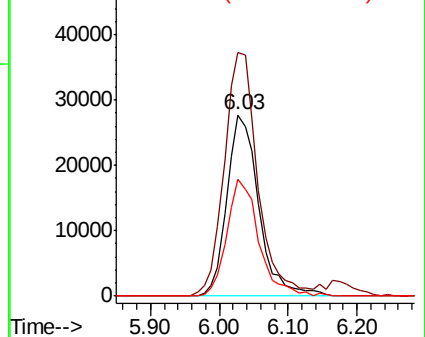
98 64.4 0.0 136.0

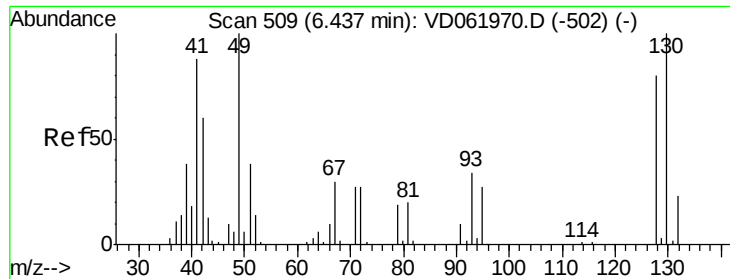


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

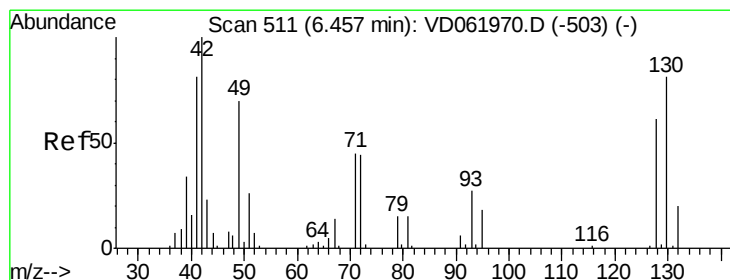
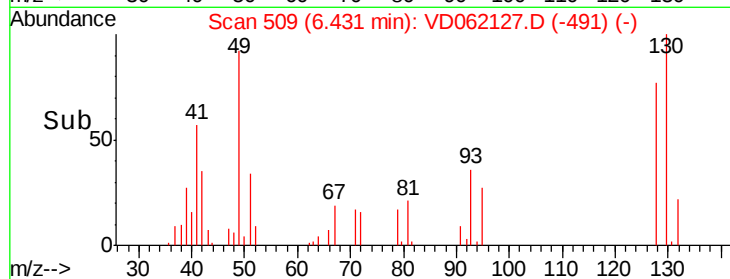
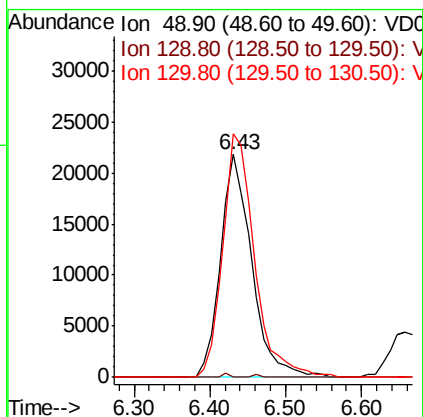
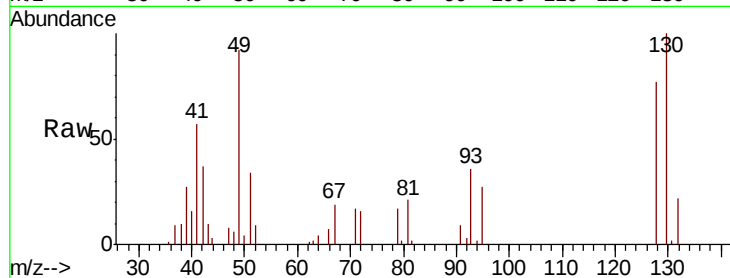




#28
 Bromochloromethane
 Concen: 25.562 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.02 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

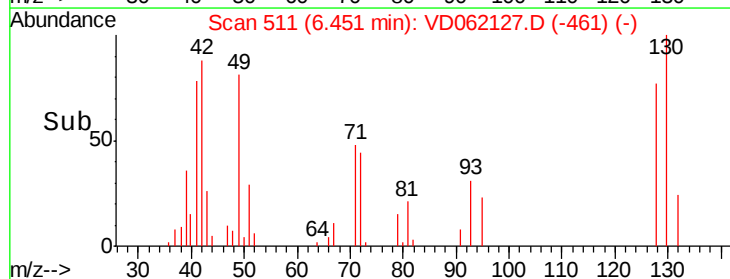
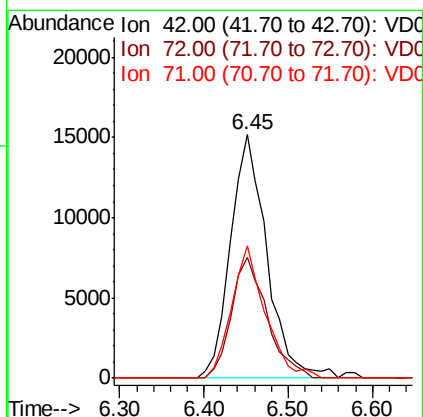
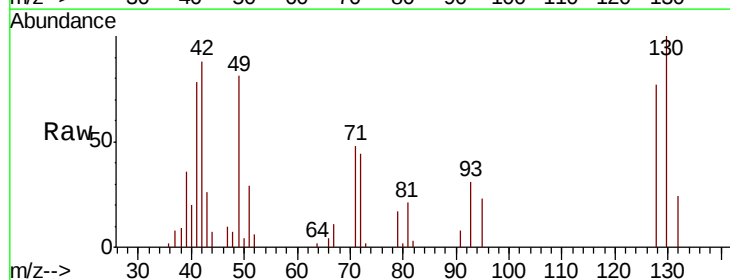
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

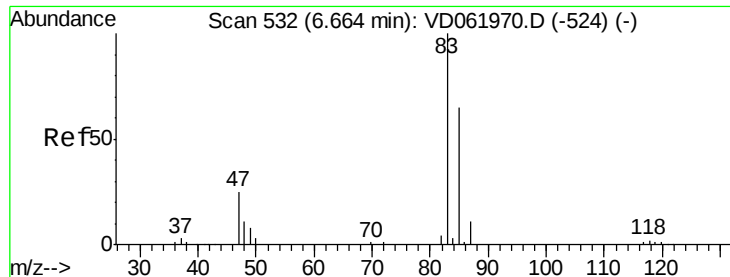
Tot Ion: 49 Resp: 62475
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.6
 130 109.3 86.7 130.1



#29
 Tetrahydrofuran
 Concen: 100.355 ug/l
 RT: 6.45 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion: 42 Resp: 45563
 Ion Ratio Lower Upper
 42 100
 72 48.7 37.8 56.6
 71 50.4 36.7 55.1

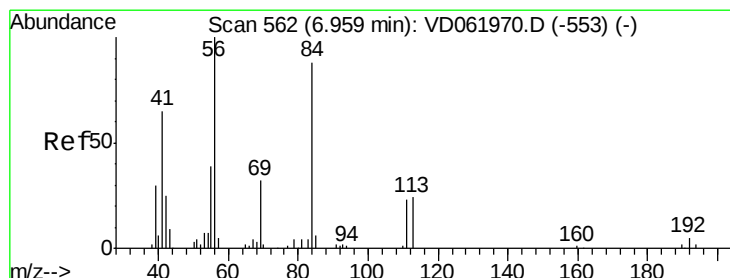
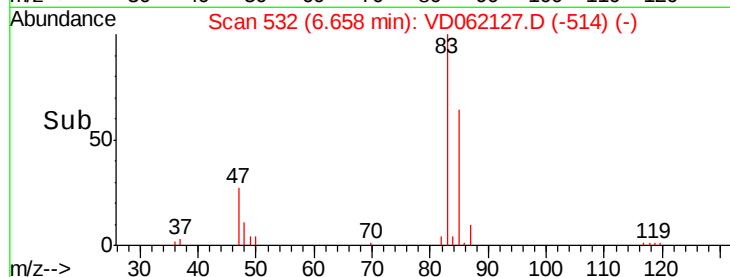
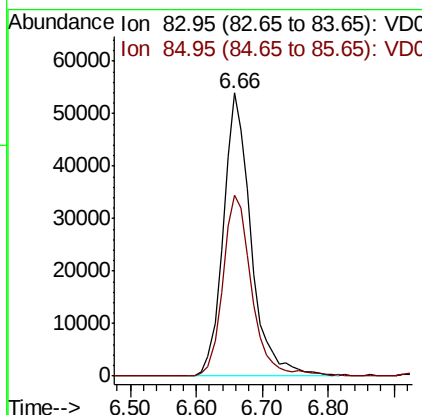
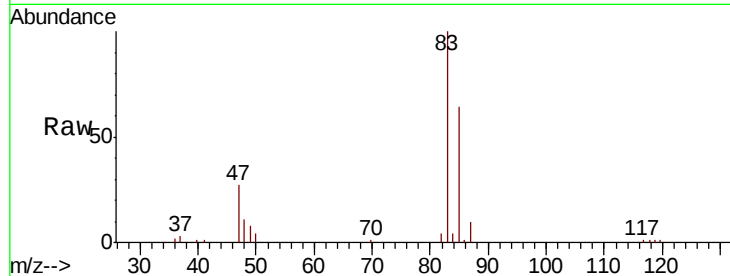




#30
Chloroform
Concen: 21.857 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

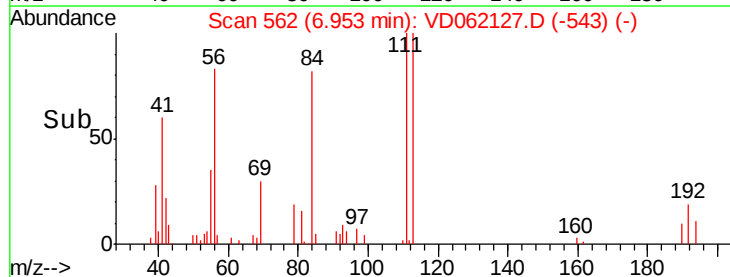
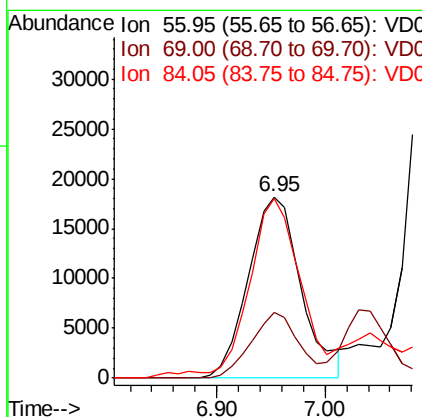
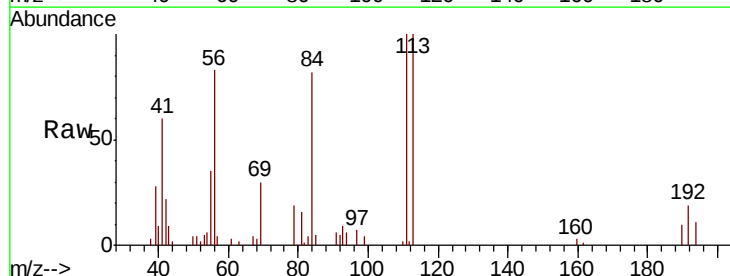
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

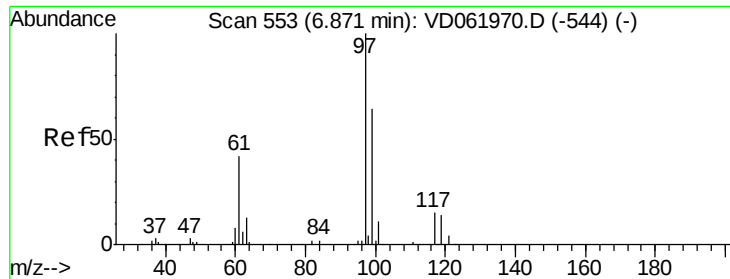
Tot Ion: 83 Resp: 158579
Ion Ratio Lower Upper
83 100
85 64.0 51.7 77.5



#31
Cyclohexane
Concen: 13.017 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion: 56 Resp: 61716
Ion Ratio Lower Upper
56 100
69 36.2 25.8 38.6
84 99.0 72.2 108.4





#32

1,1,1-Trichloroethane

Concen: 22.293 ug/l

RT: 6.87 min Scan# 554

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

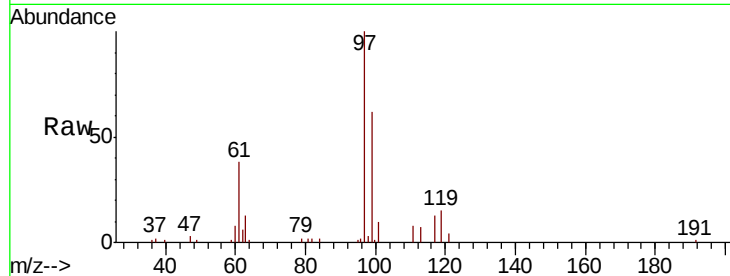
Tot Ion: 97 Resp: 140726

Ion Ratio Lower Upper

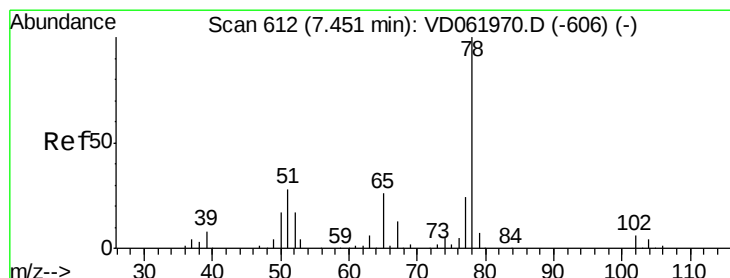
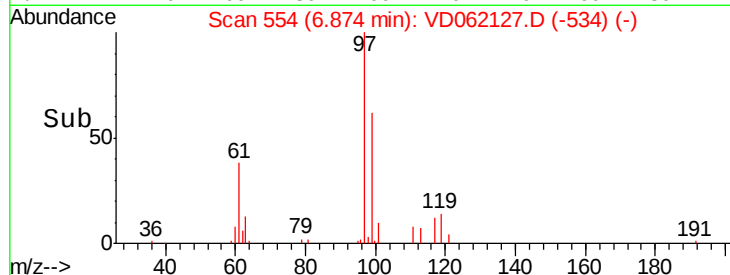
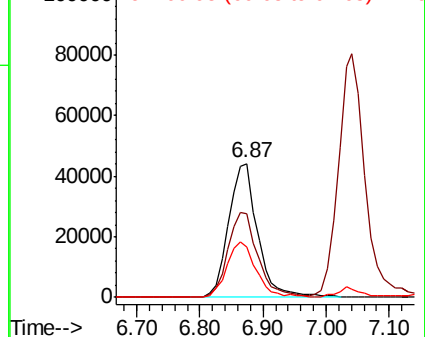
97 100

99 62.3 52.2 78.2

61 38.0 32.4 48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 63.284 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062127.D

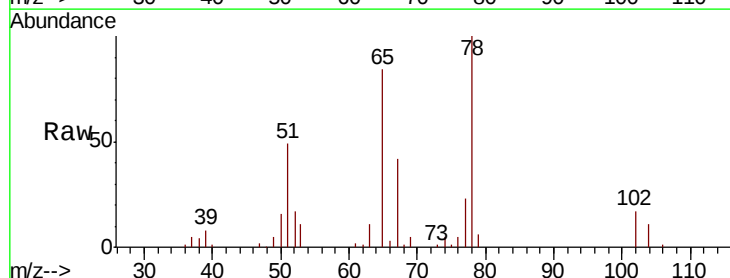
Acq: 6 May 2019 13:30

Tgt Ion: 65 Resp: 201433

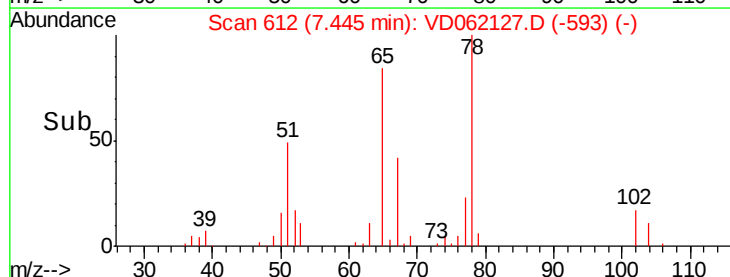
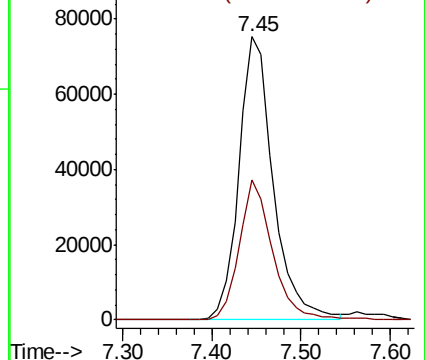
Ion Ratio Lower Upper

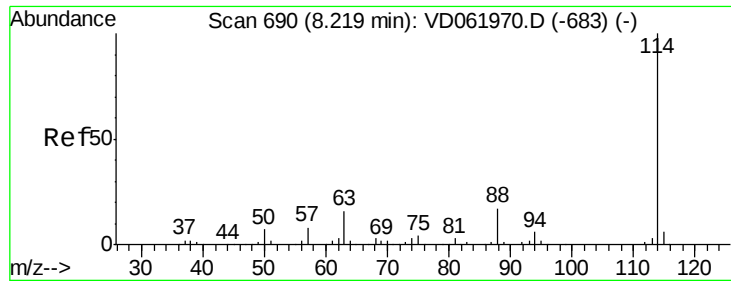
65 100

67 49.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

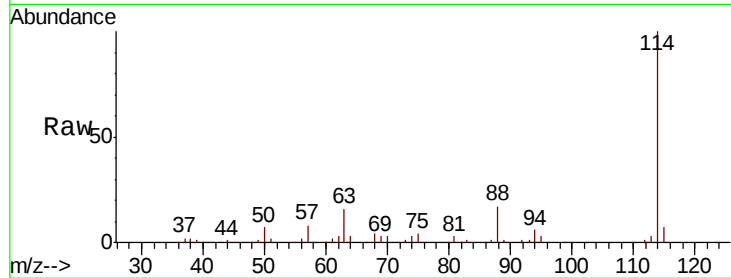
Tot Ion:114 Resp: 647328

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.4

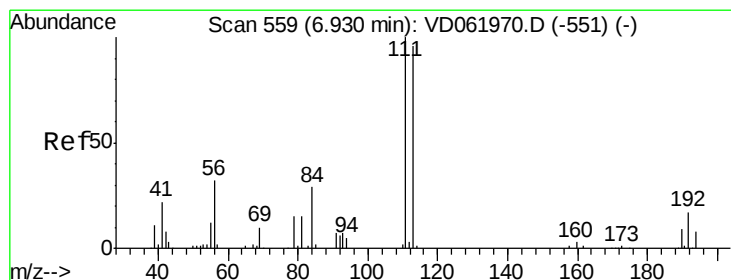
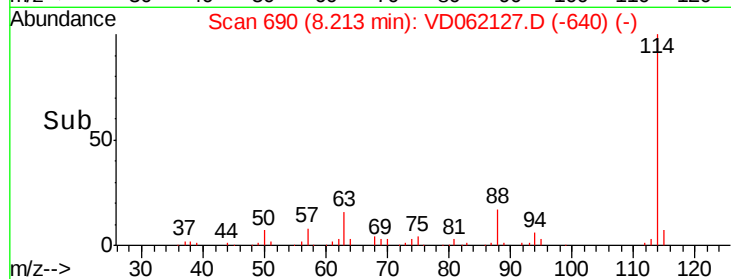
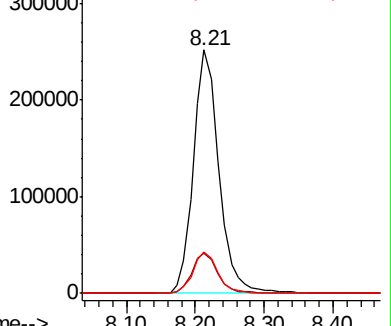
88 17.0 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 62.732 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

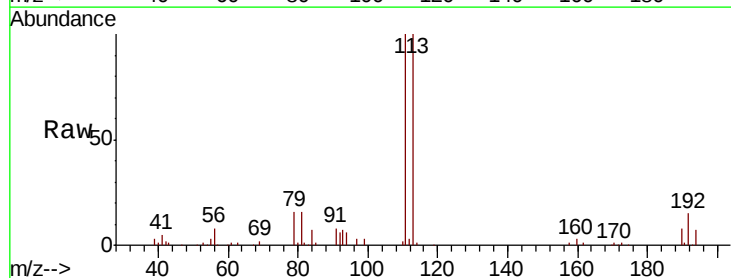
Tgt Ion:113 Resp: 280843

Ion Ratio Lower Upper

113 100

111 99.9 78.5 117.7

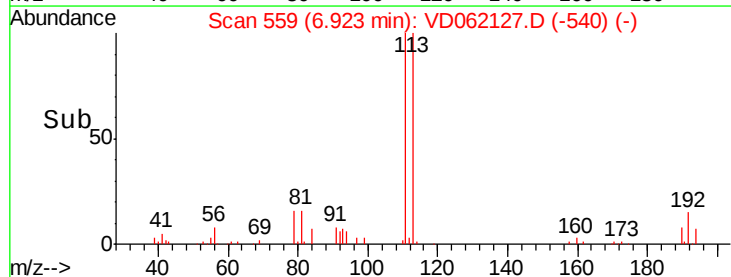
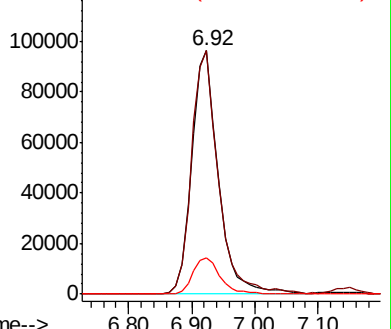
192 15.1 13.0 19.4

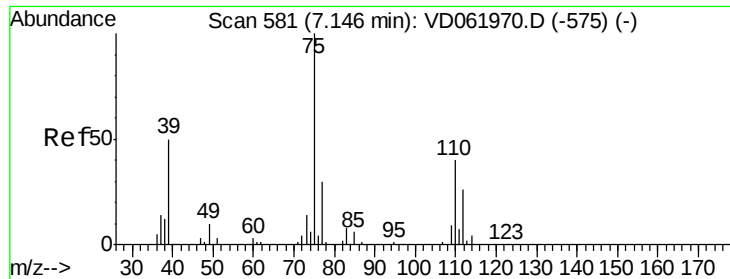


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 21.228 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

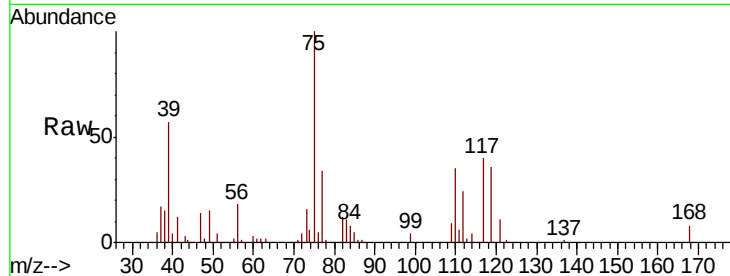
Tot Ion: 75 Resp: 107059

Ion Ratio Lower Upper

75 100

110 35.1 19.1 57.1

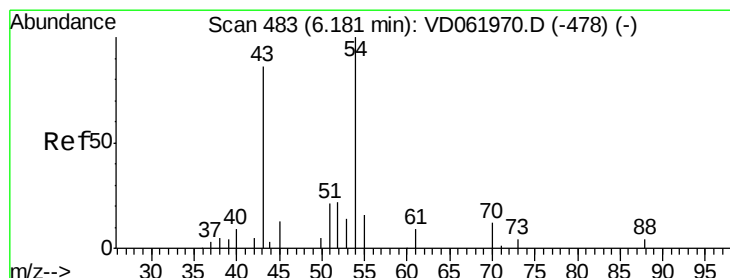
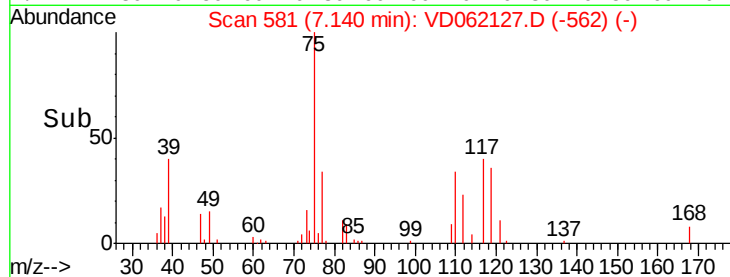
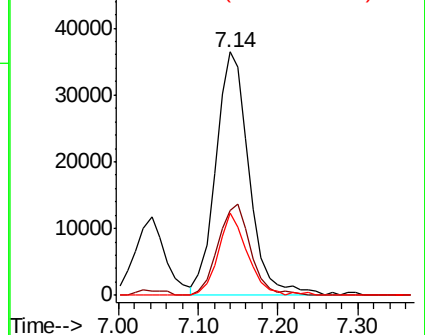
77 33.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 20.727 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

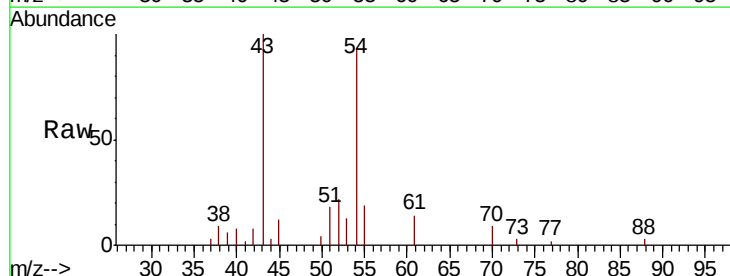
Tgt Ion: 43 Resp: 44546

Ion Ratio Lower Upper

43 100

61 14.2 14.7 22.1#

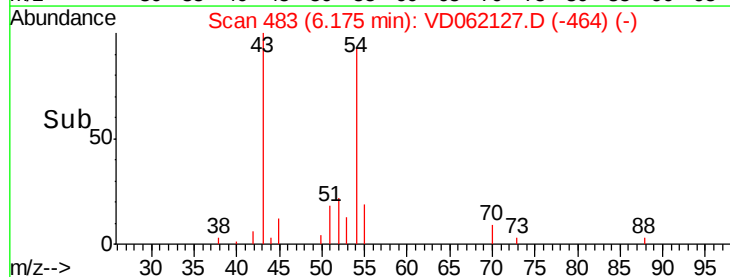
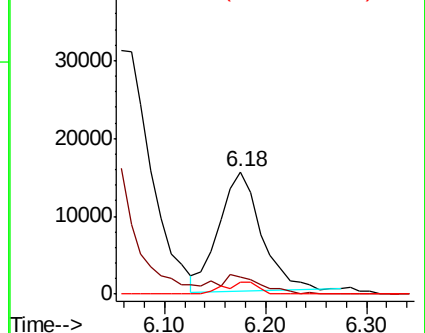
70 9.3 7.8 11.6

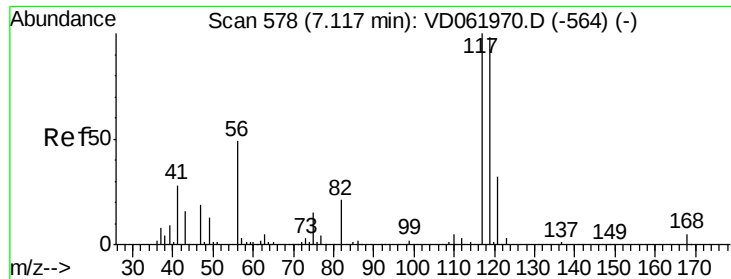


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 22.334 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

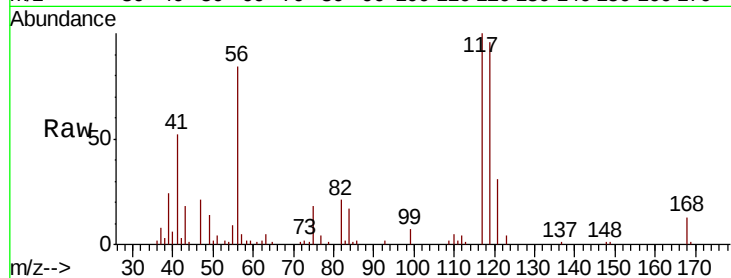
Tot Ion:117 Resp: 142731

Ion Ratio Lower Upper

117 100

119 95.6 75.8 113.8

121 30.8 25.9 38.9

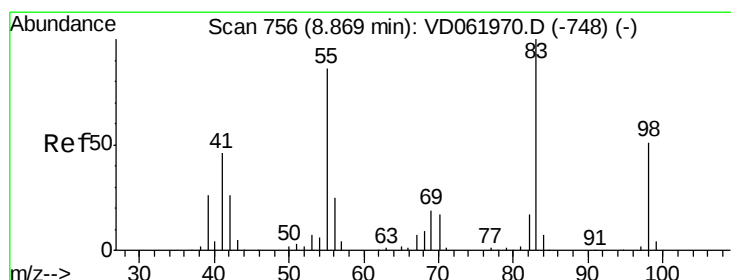
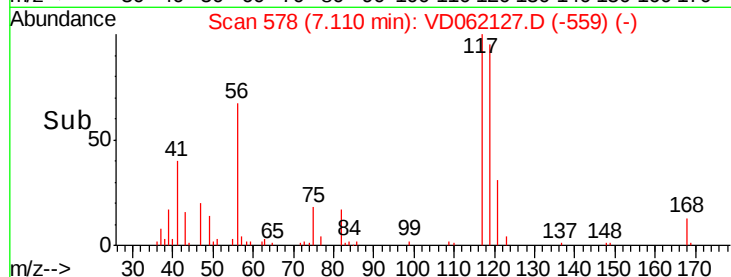
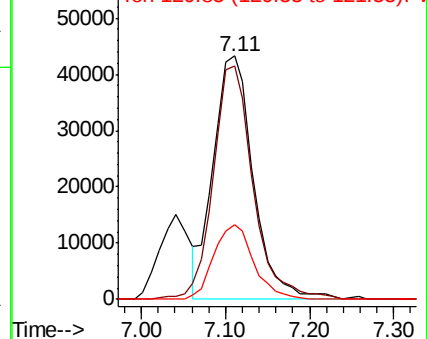


Abundance

Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 17.611 ug/l

RT: 8.86 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

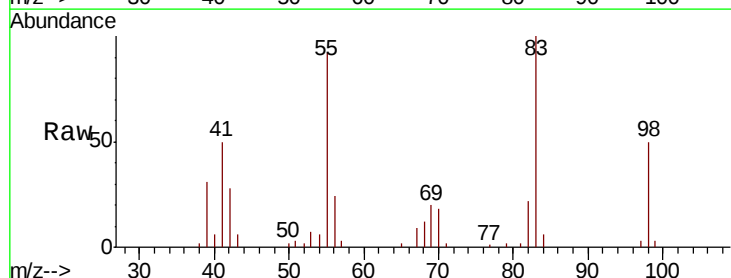
Tgt Ion: 83 Resp: 87632

Ion Ratio Lower Upper

83 100

55 92.2 68.2 102.4

98 50.3 38.2 57.4

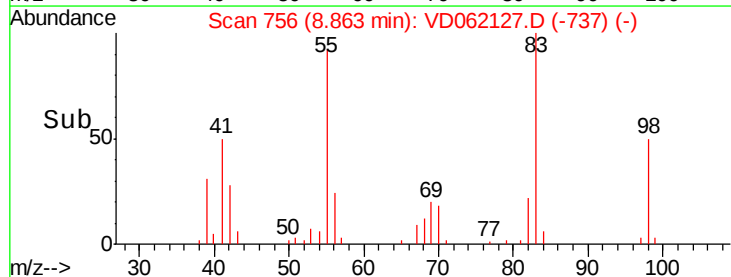
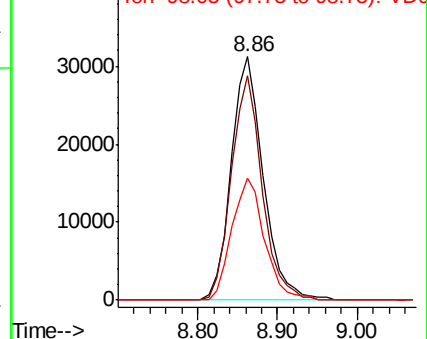


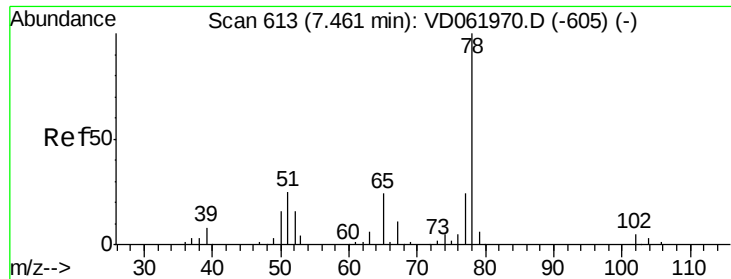
Abundance

Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#40

Benzene

Concen: 19.707 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

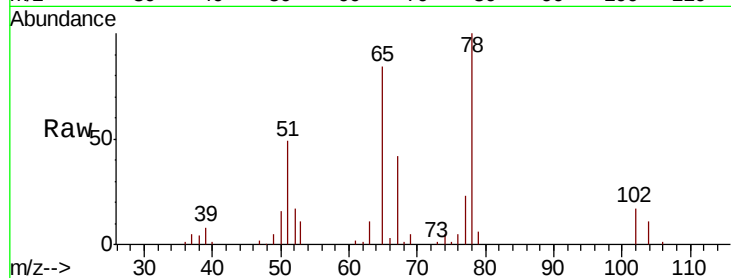
VD0506SBS01

Tot Ion: 78 Resp: 246057

Ion Ratio Lower Upper

78 100

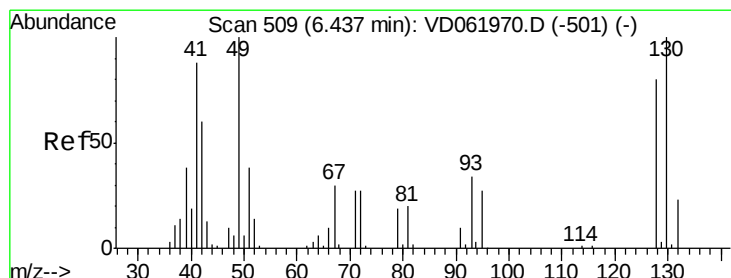
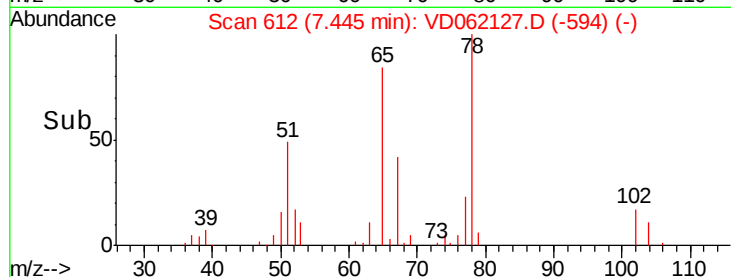
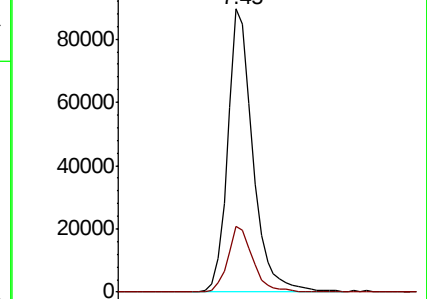
77 23.3 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

7.45



#41

Methacrylonitrile

Concen: 22.718 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Tgt Ion: 41 Resp: 56968

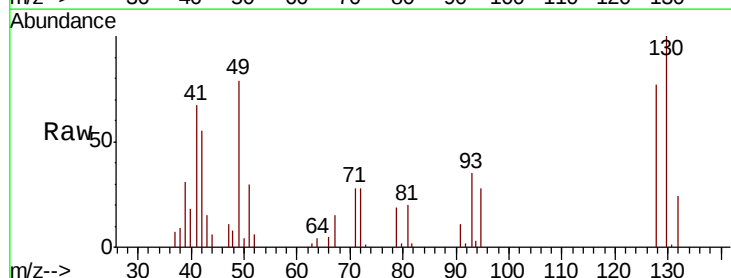
Ion Ratio Lower Upper

41 100

39 45.5 34.1 51.1

67 22.9 23.8 35.6#

52 9.1 8.8 13.2

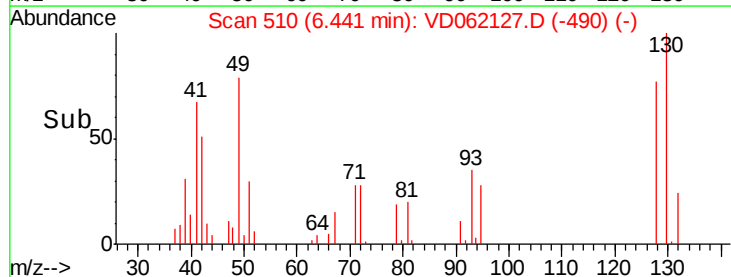
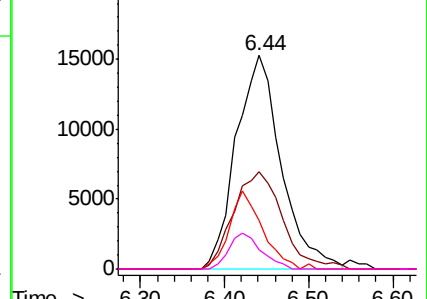


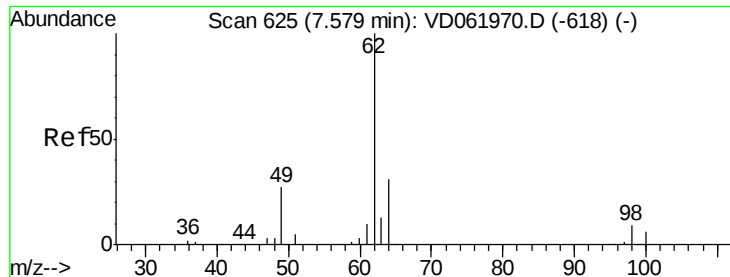
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

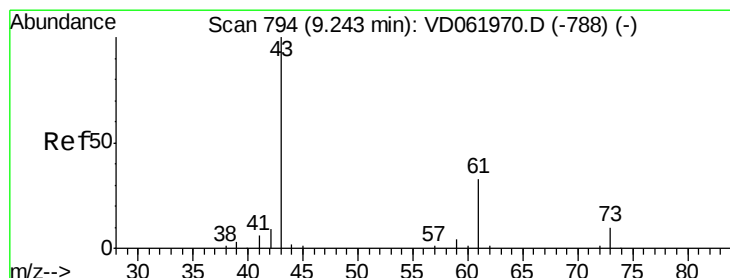
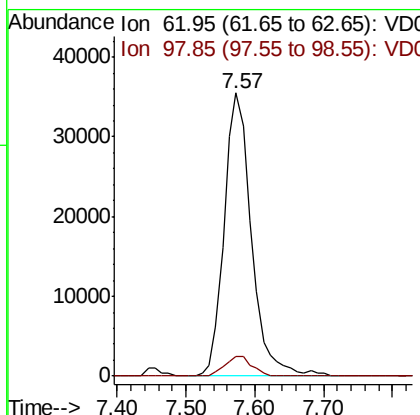
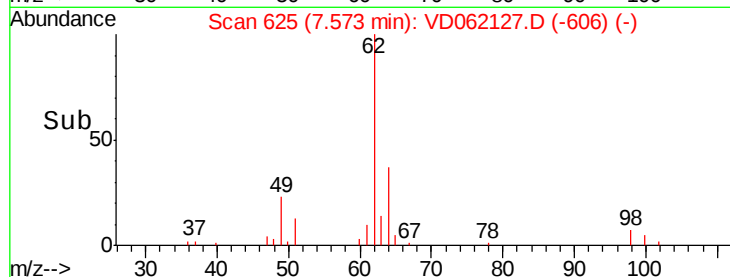
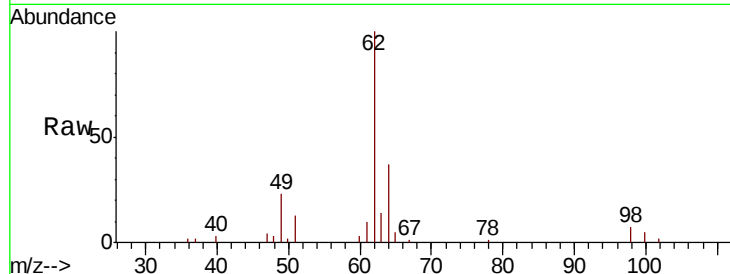




#42
 1,2-Dichloroethane
 Concen: 22.934 ug/l
 RT: 7.57 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

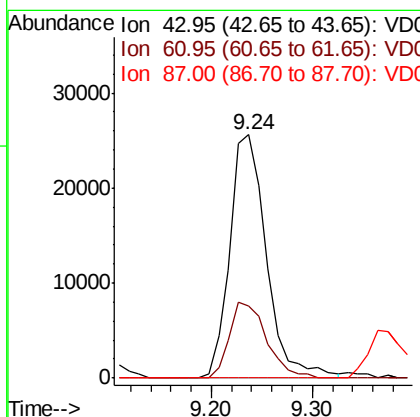
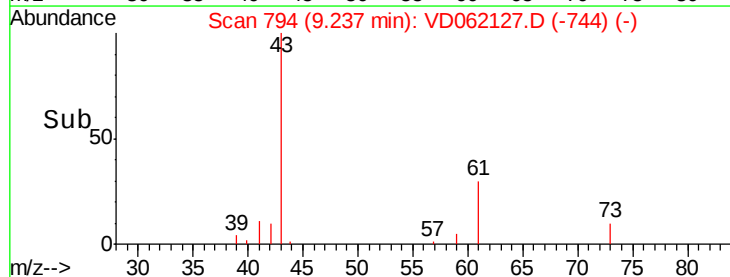
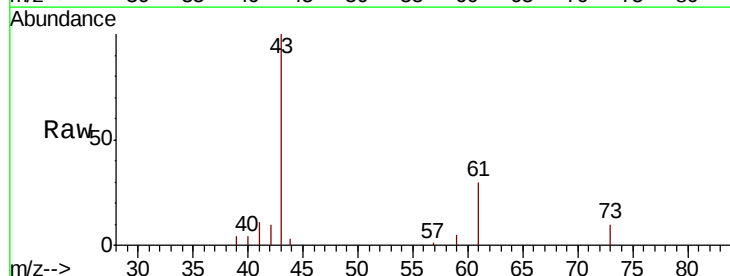
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

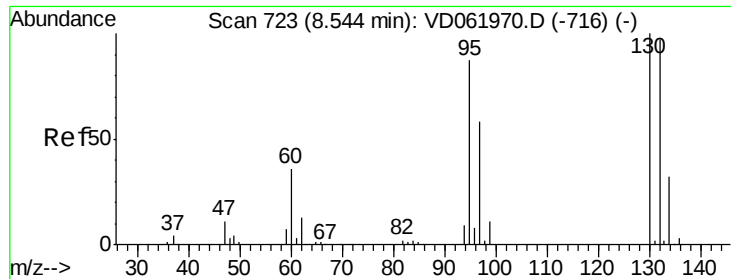
Tot Ion: 62 Resp: 97226
 Ion Ratio Lower Upper
 62 100
 98 6.8 0.0 17.8



#43
 Isopropyl Acetate
 Concen: 20.574 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion: 43 Resp: 64607
 Ion Ratio Lower Upper
 43 100
 61 29.9 25.1 37.7
 87 0.0 0.0 0.0





#44

Trichloroethene

Concen: 21.640 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

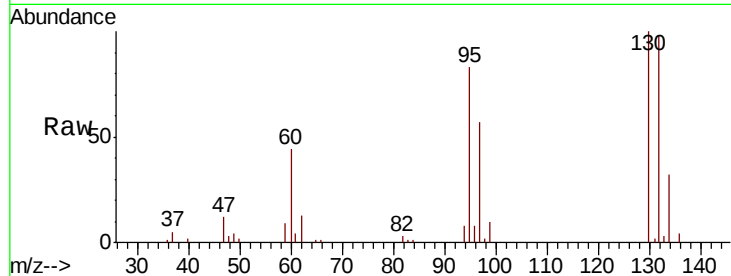
VD0506SBSD01

Tot Ion:130 Resp: 104749

Ion Ratio Lower Upper

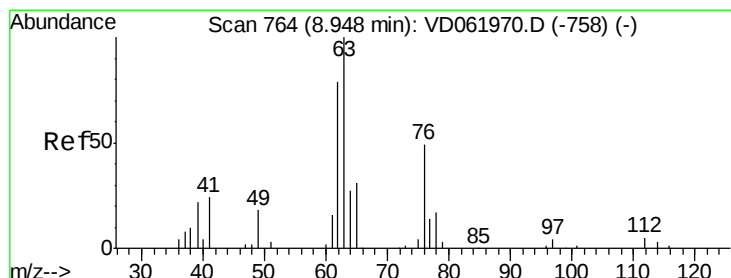
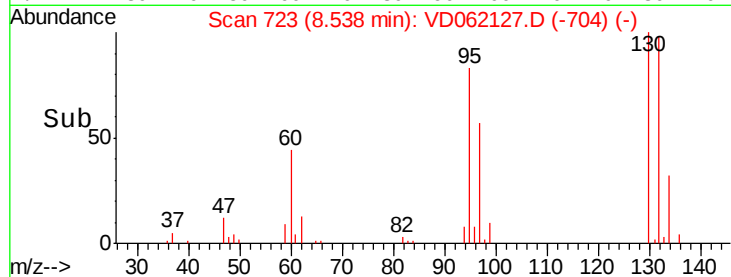
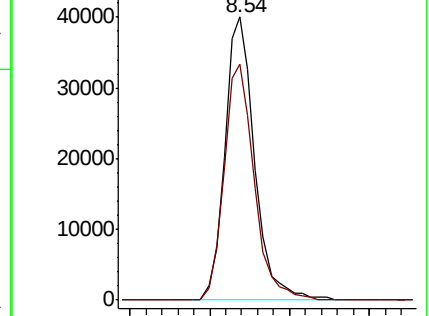
130 100

95 83.5 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 19.920 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD062127.D

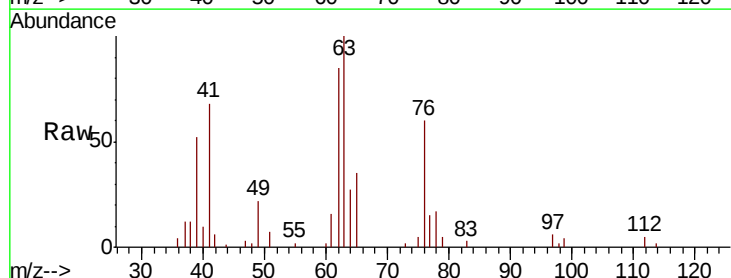
Acq: 6 May 2019 13:30

Tgt Ion: 63 Resp: 63097

Ion Ratio Lower Upper

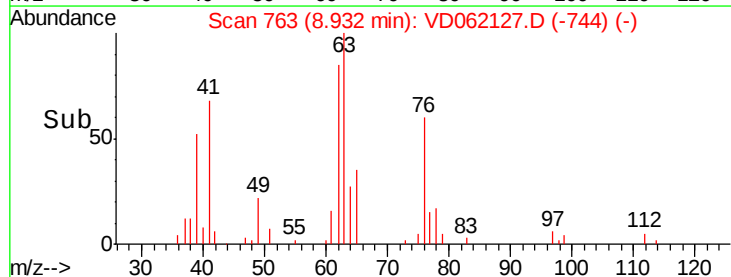
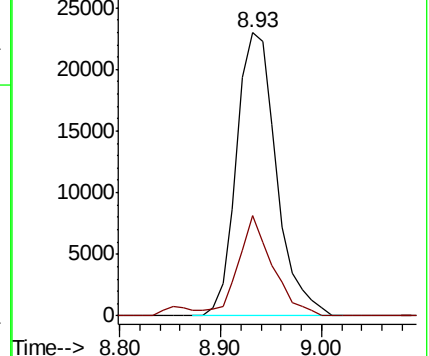
63 100

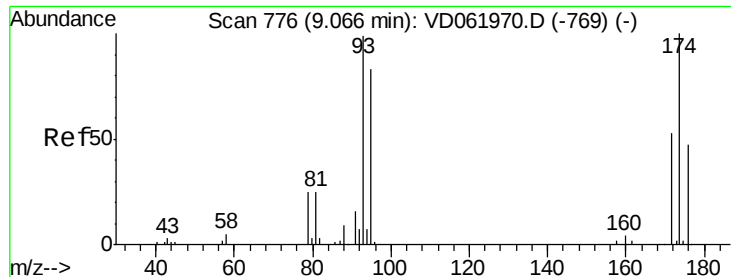
65 35.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

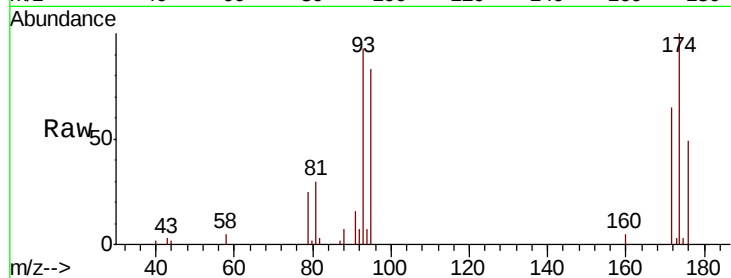




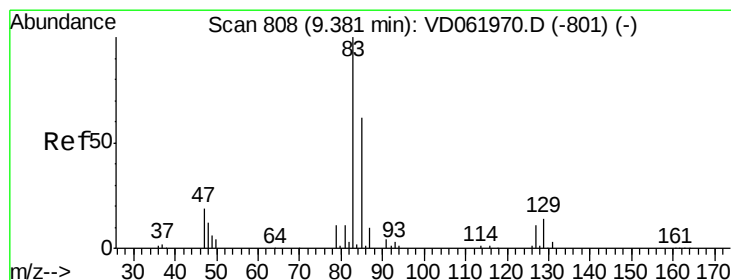
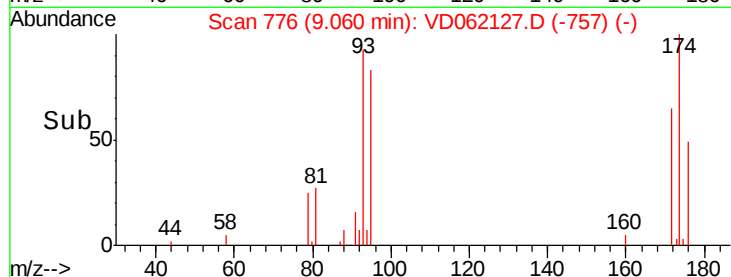
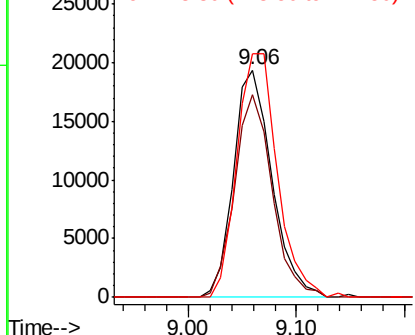
#46
 Dibromomethane
 Concen: 21.087 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

Tot Ion: 93 Resp: 48062
 Ion Ratio Lower Upper
 93 100
 95 89.3 64.8 97.2
 174 107.1 79.3 118.9

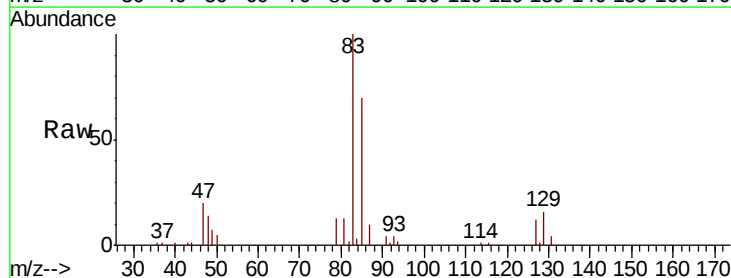


Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V

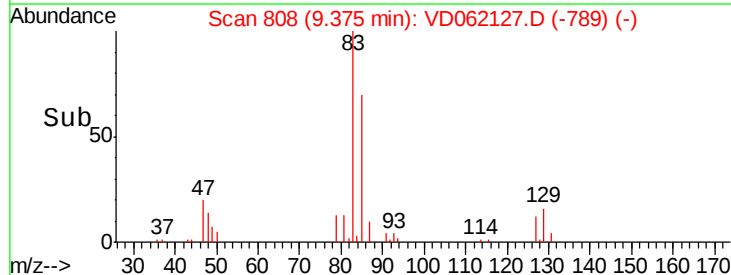
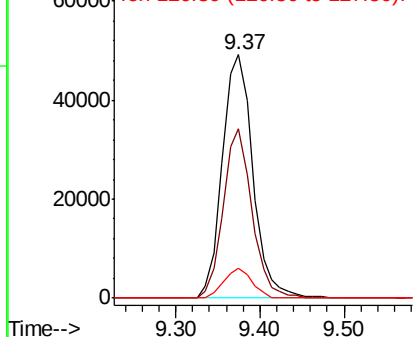


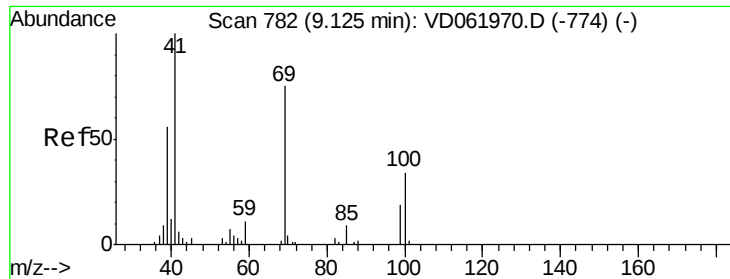
#47
 Bromodichloromethane
 Concen: 23.035 ug/l
 RT: 9.37 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion: 83 Resp: 124052
 Ion Ratio Lower Upper
 83 100
 85 69.5 50.9 76.3
 127 12.2 8.1 12.1#



Abundance Ion 82.85 (82.55 to 83.55): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 22.830 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

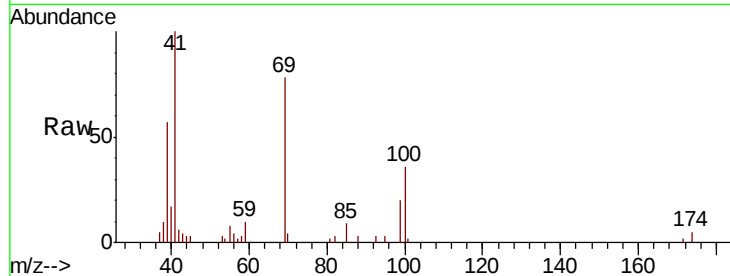
Tot Ion: 41 Resp: 40904

Ion Ratio Lower Upper

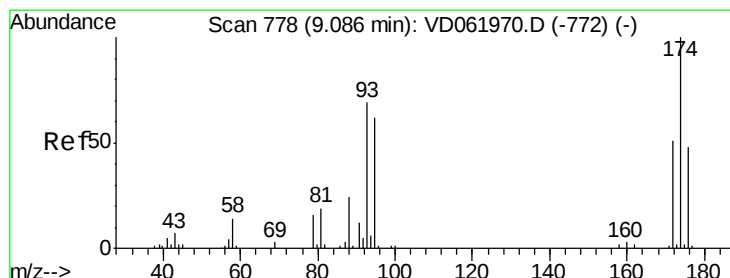
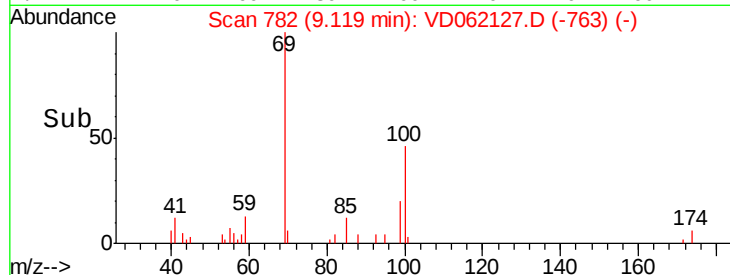
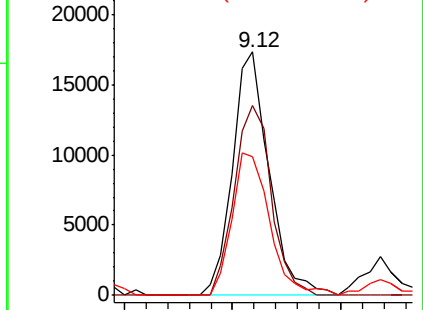
41 100

69 78.1 64.2 96.2

39 56.9 46.8 70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC



#49

1,4-Dioxane

Concen: 427.357 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

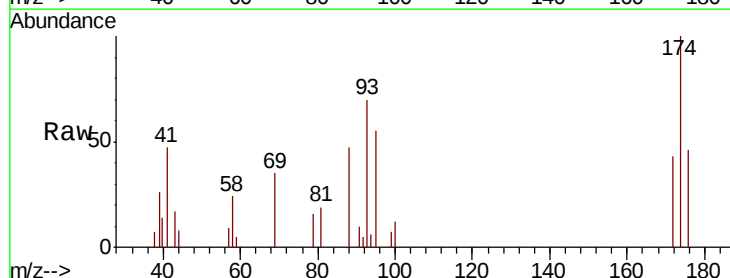
Tgt Ion: 88 Resp: 8255

Ion Ratio Lower Upper

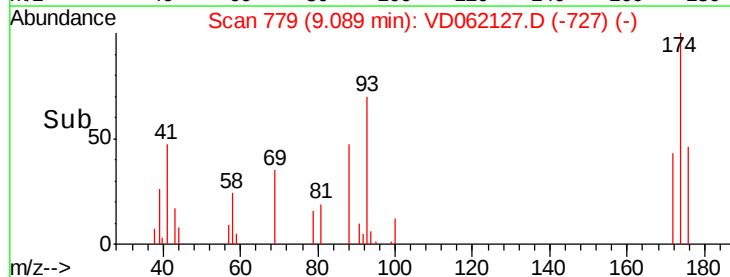
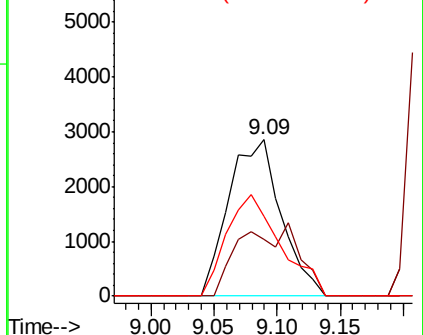
88 100

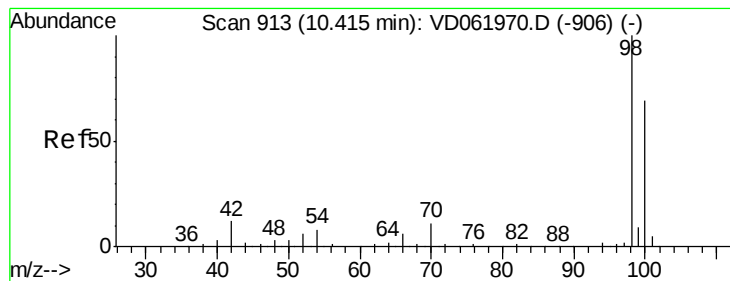
43 36.2 23.4 35.0#

58 50.8 44.0 66.0



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 60.212 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

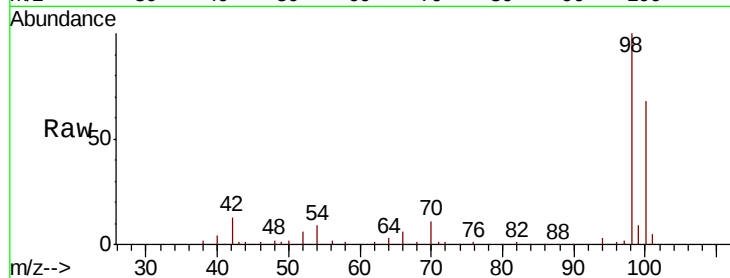
VD0506SBSD01

Tot Ion: 98 Resp: 641421

Ion Ratio Lower Upper

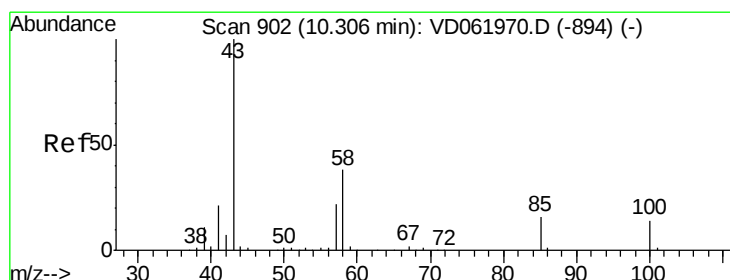
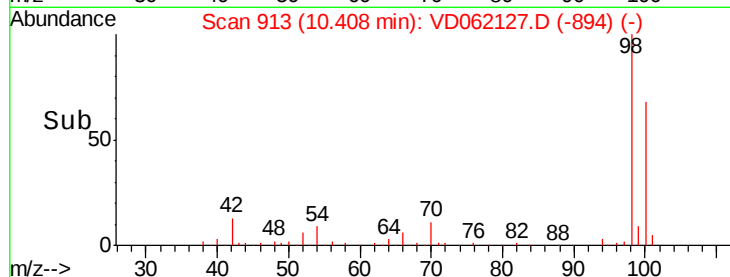
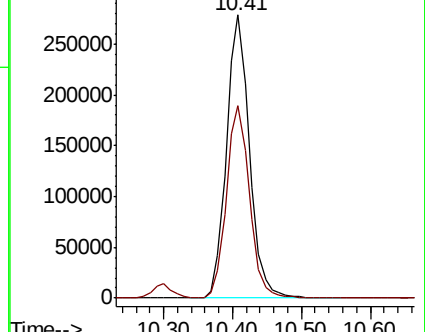
98 100

100 68.1 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)



#51

4-Methyl-2-Pentanone

Concen: 118.074 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062127.D

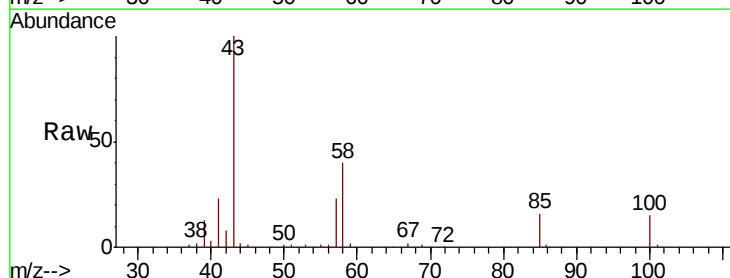
Acq: 6 May 2019 13:30

Tgt Ion: 43 Resp: 226753

Ion Ratio Lower Upper

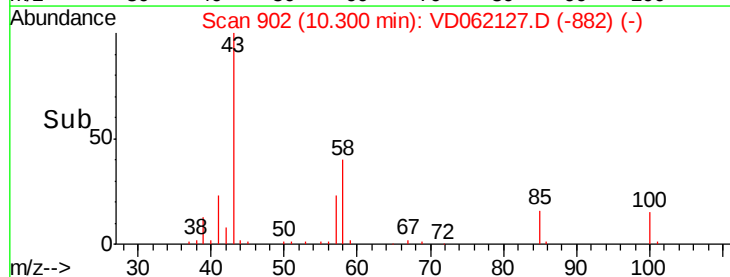
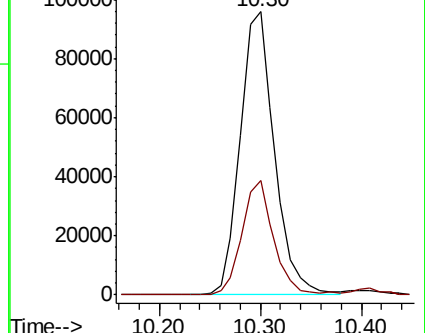
43 100

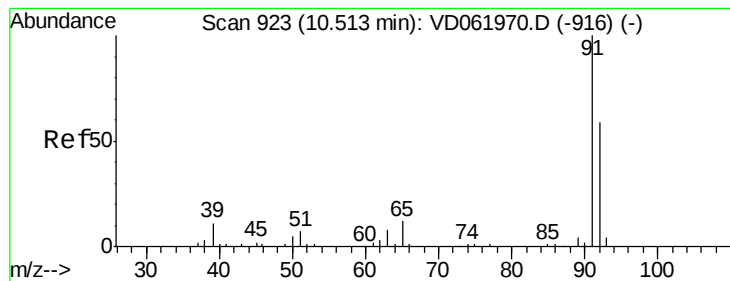
58 40.4 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VD061970.D (-894) (-)

Ion 57.95 (57.65 to 58.65): VD061970.D (-894) (-)





#52

Toluene

Concen: 21.705 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

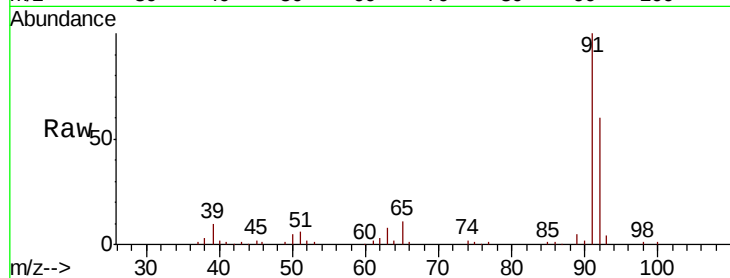
VD0506SBSD01

Tot Ion: 92 Resp: 172795

Ion Ratio Lower Upper

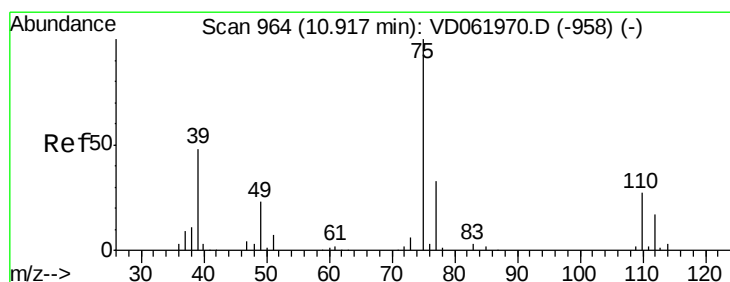
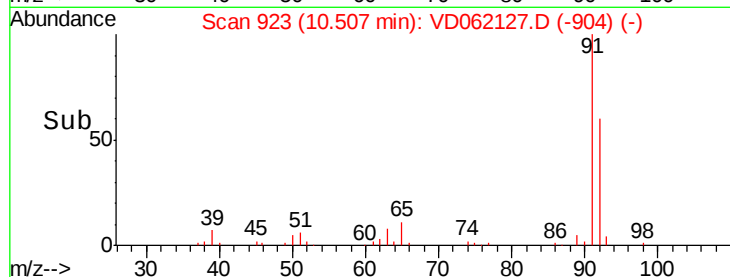
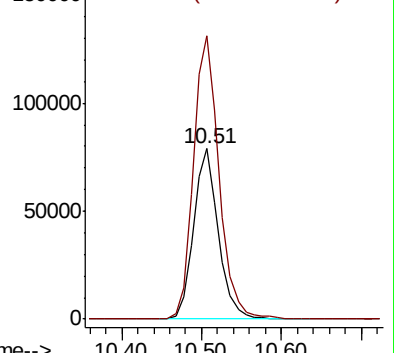
92 100

91 165.9 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 23.726 ug/l

RT: 10.91 min Scan# 964

Delta R.T. -0.01 min

Lab File: VD062127.D

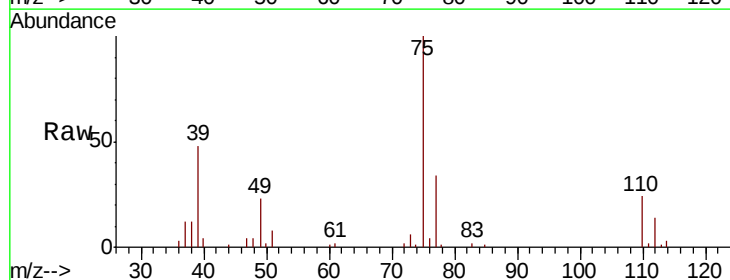
Acq: 6 May 2019 13:30

Tgt Ion: 75 Resp: 107251

Ion Ratio Lower Upper

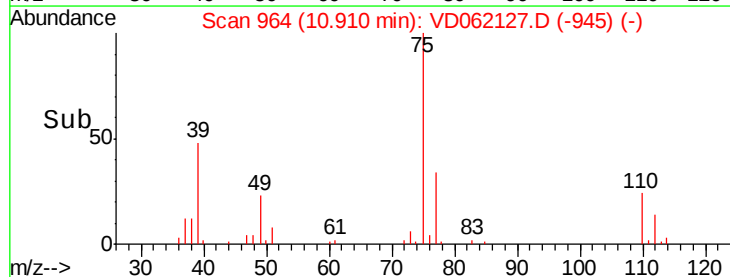
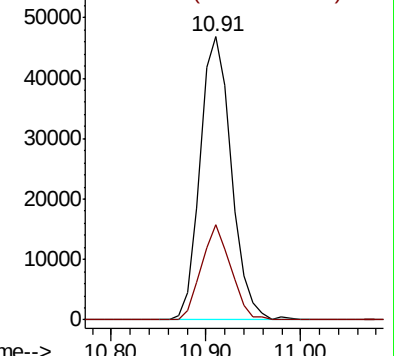
75 100

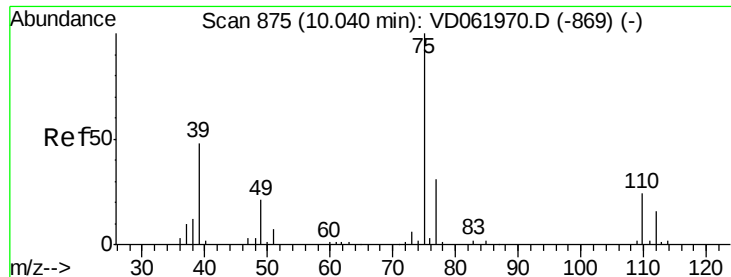
77 33.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



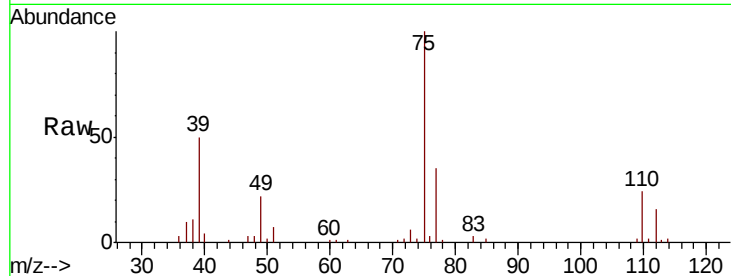


#54

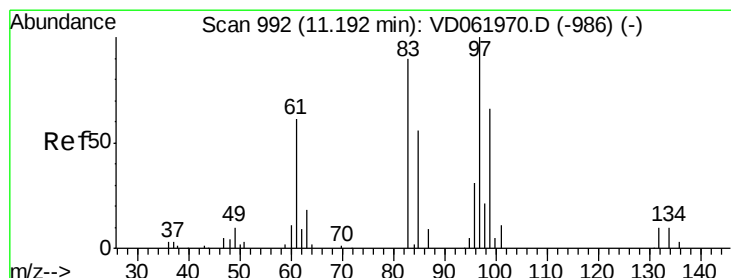
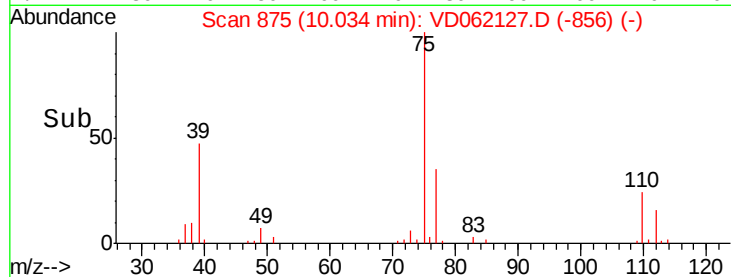
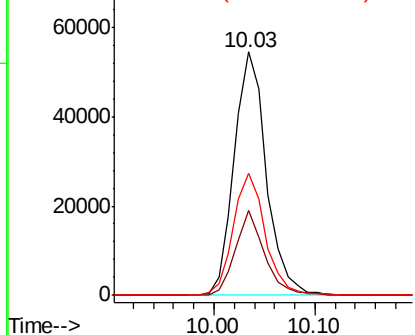
cis-1,3-Dichloropropene
Concen: 21.910 ug/l
RT: 10.03 min Scan# 875
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 75 Resp: 120461
Ion Ratio Lower Upper
75 100
77 34.8 25.5 38.3
39 50.0 39.4 59.2



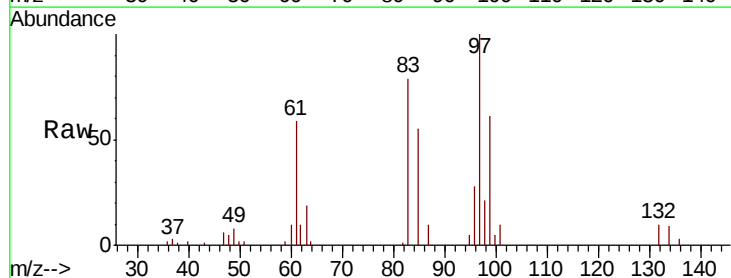
Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC



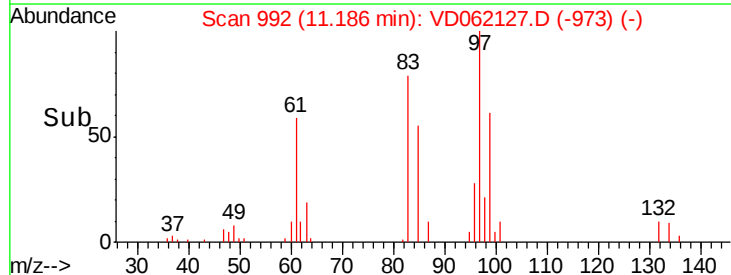
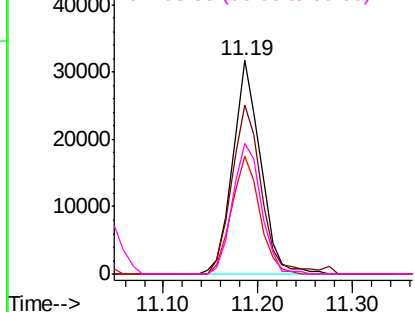
#55

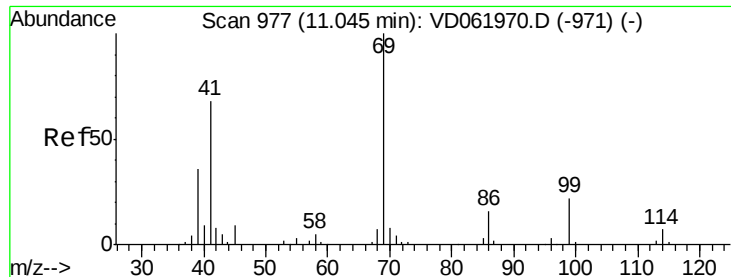
1,1,2-Trichloroethane
Concen: 24.243 ug/l
RT: 11.19 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion: 97 Resp: 64794
Ion Ratio Lower Upper
97 100
83 78.9 65.7 98.5
85 55.1 45.6 68.4
99 61.4 48.4 72.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC





#56

Ethyl methacrylate

Concen: 23.582 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

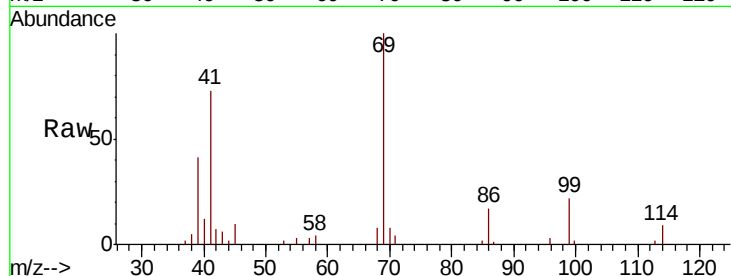
Tot Ion: 69 Resp: 69807

Ion Ratio Lower Upper

69 100

41 73.0 56.3 84.5

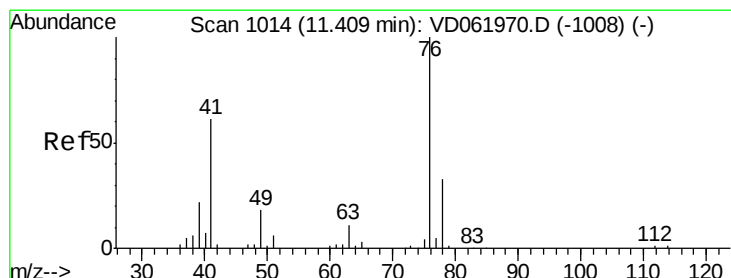
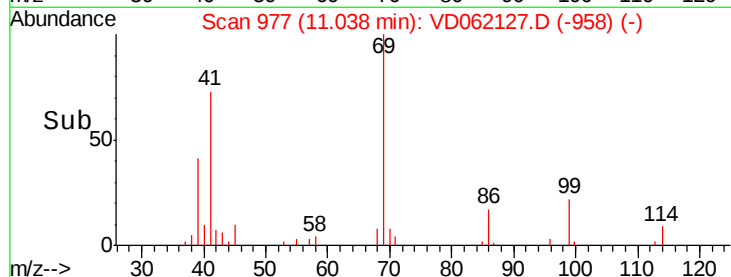
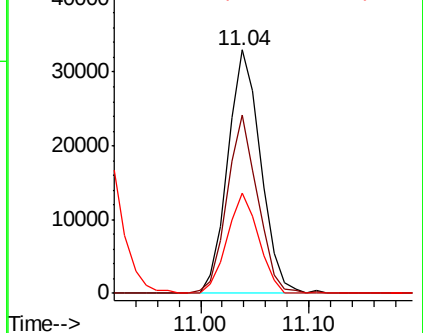
39 40.9 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#57

1,3-Dichloropropane

Concen: 22.748 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD062127.D

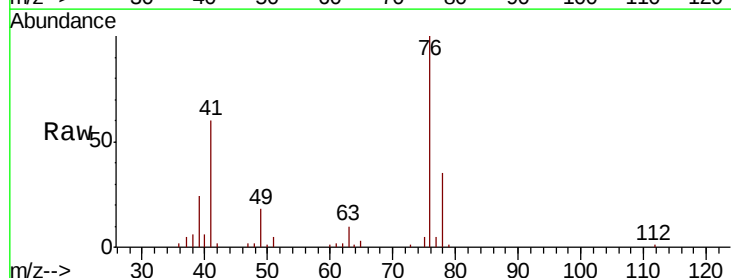
Acq: 6 May 2019 13:30

Tgt Ion: 76 Resp: 93902

Ion Ratio Lower Upper

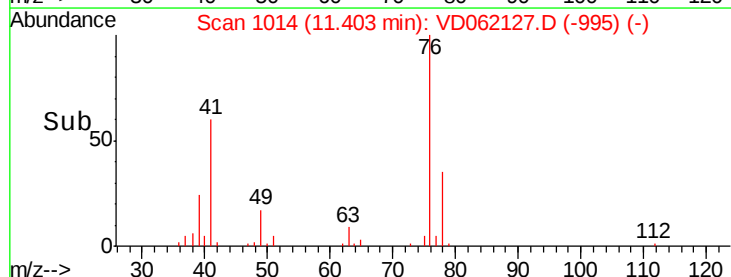
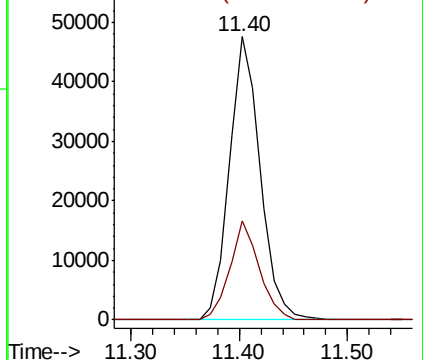
76 100

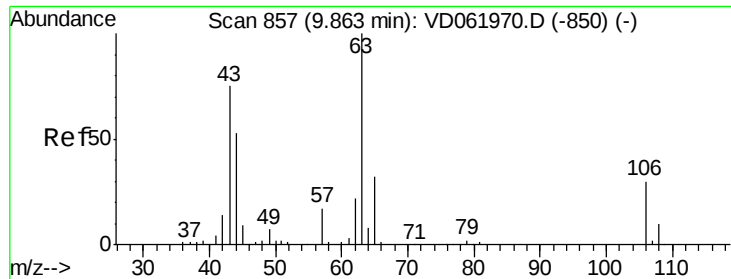
78 35.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

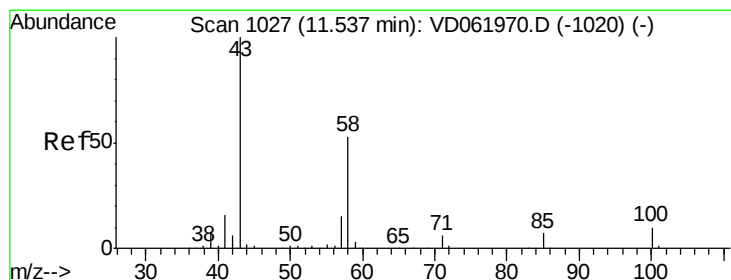
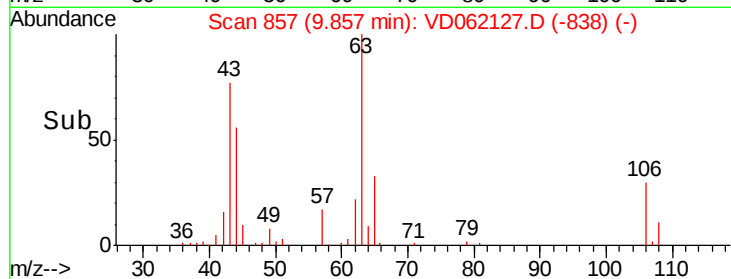
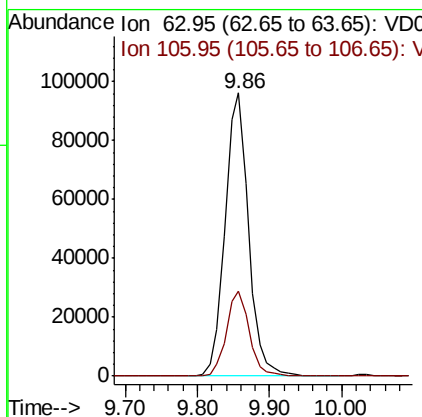
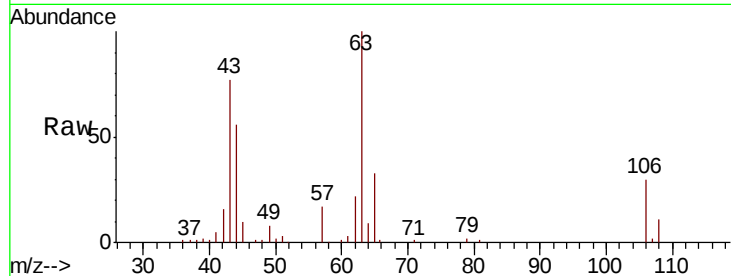




#58
 2-Chloroethyl Vinyl ether
 Concen: 157.408 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

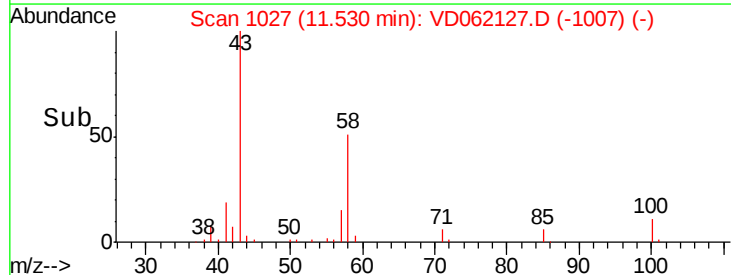
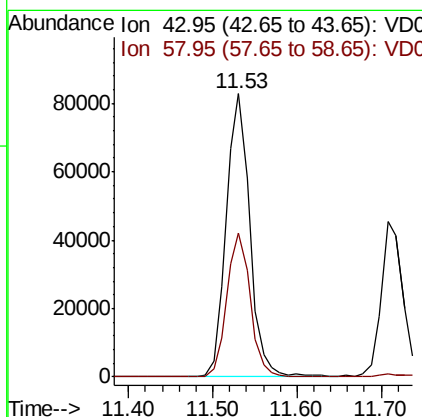
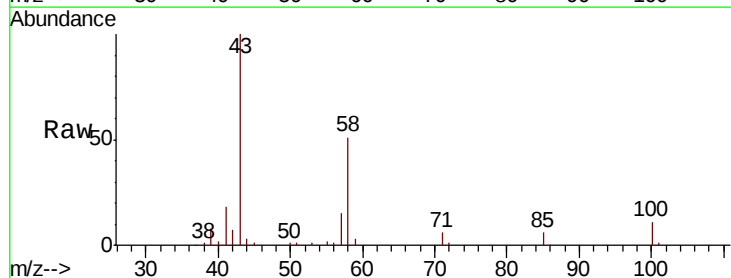
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

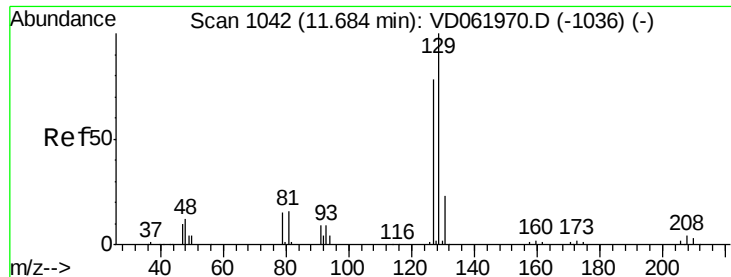
Tot Ion: 63 Resp: 216632
 Ion Ratio Lower Upper
 63 100
 106 30.1 22.6 34.0



#59
 2-Hexanone
 Concen: 111.342 ug/l
 RT: 11.53 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion: 43 Resp: 160399
 Ion Ratio Lower Upper
 43 100
 58 50.6 25.4 76.4





#60

Dibromochloromethane

Concen: 25.200 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

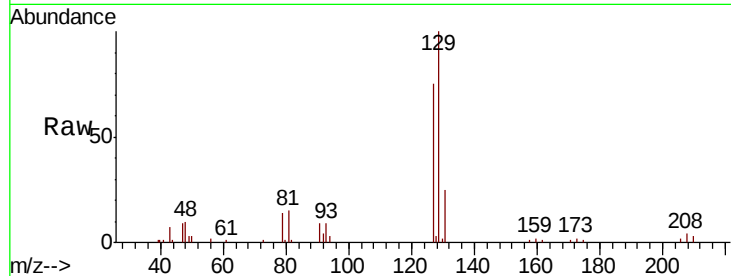
VD0506SBSD01

Tot Ion:129 Resp: 111442

Ion Ratio Lower Upper

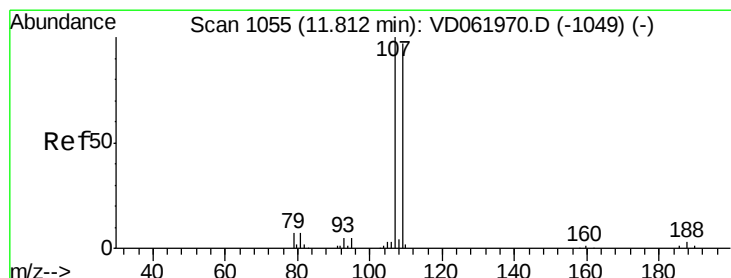
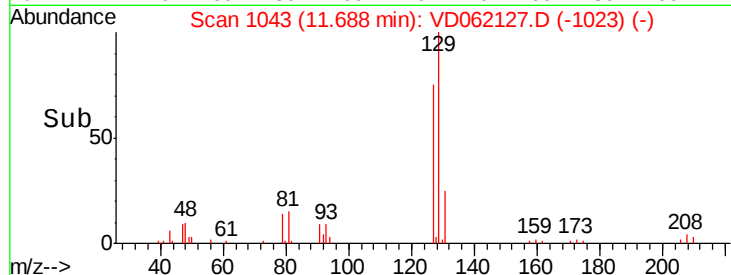
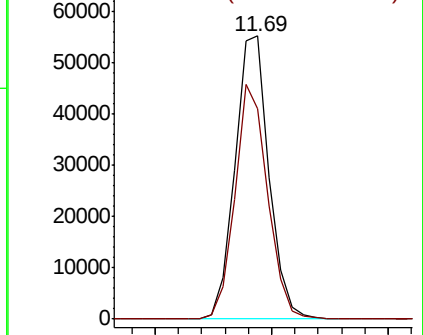
129 100

127 74.5 38.0 113.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 23.369 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VD062127.D

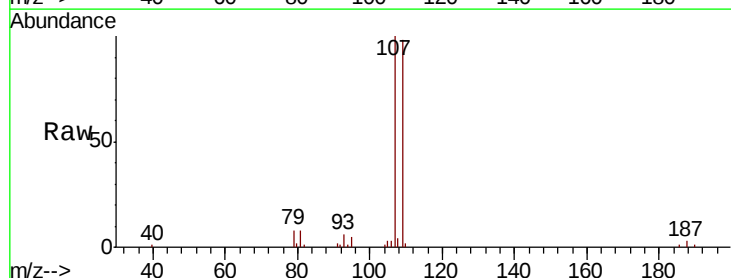
Acq: 6 May 2019 13:30

Tgt Ion:107 Resp: 74092

Ion Ratio Lower Upper

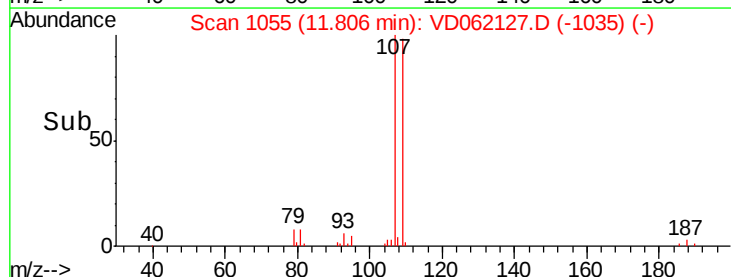
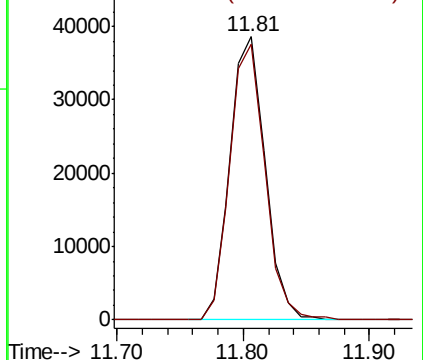
107 100

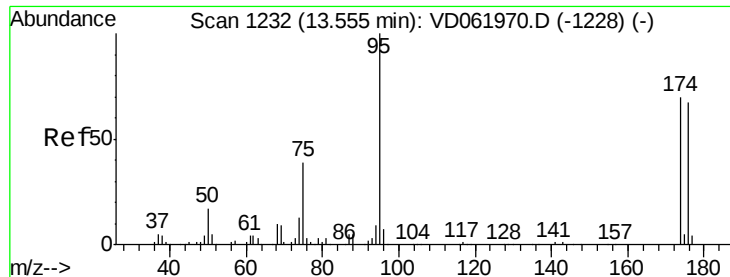
109 97.6 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

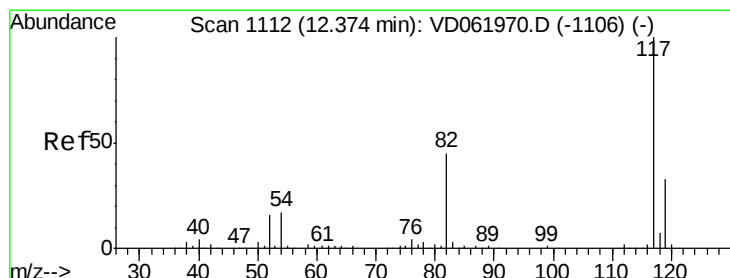
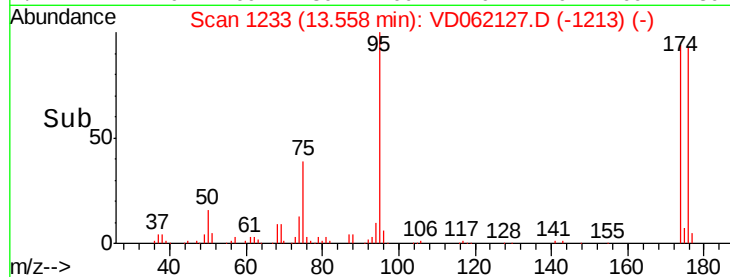
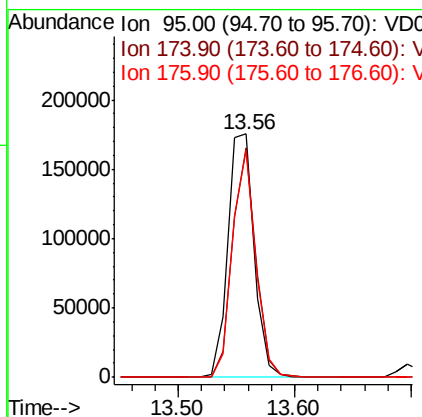
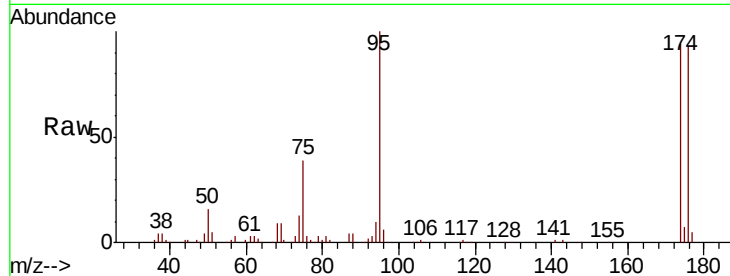




#62
4-Bromofluorobenzene
Concen: 64.159 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

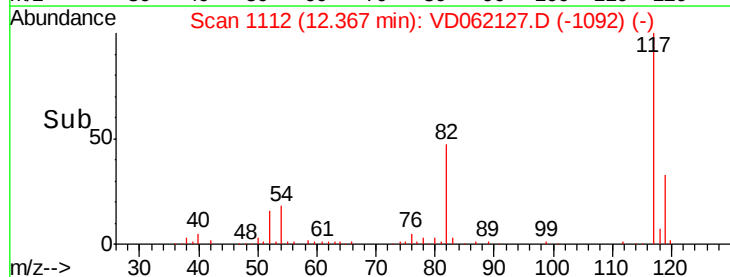
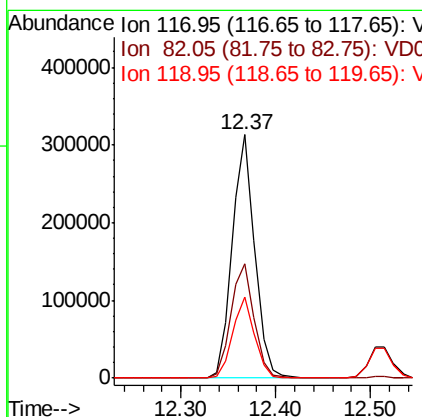
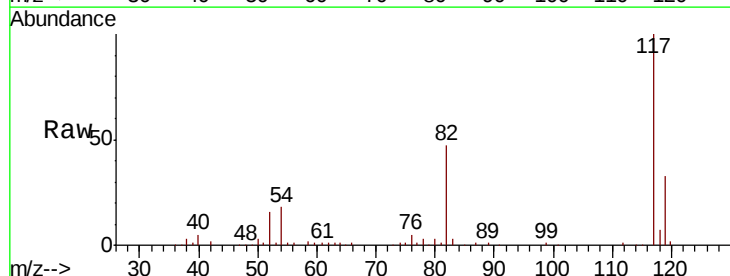
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

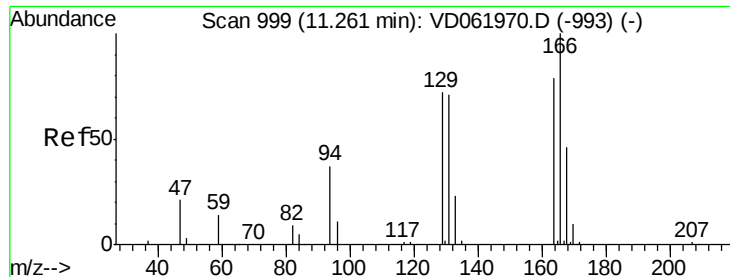
Tot Ion: 95 Resp: 274137
Ion Ratio Lower Upper
95 100
174 94.5 0.0 181.8
176 93.4 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion: 117 Resp: 513678
Ion Ratio Lower Upper
117 100
82 47.2 36.2 54.2
119 33.5 26.2 39.4

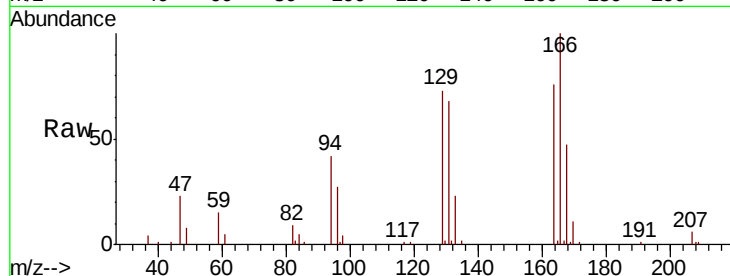




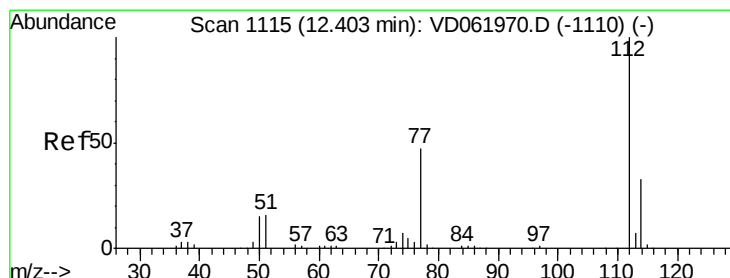
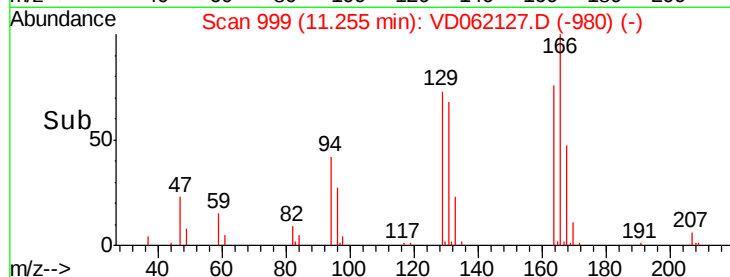
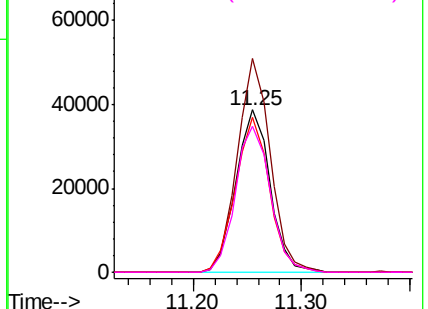
#64
Tetrachloroethene
Concen: 23.208 ug/l
RT: 11.25 min Scan# 999
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:164 Resp: 85043
Ion Ratio Lower Upper
164 100
166 131.8 101.5 152.3
129 95.9 74.6 112.0
131 90.2 72.6 108.8

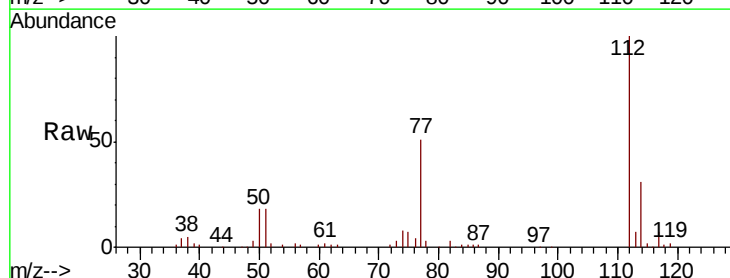


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

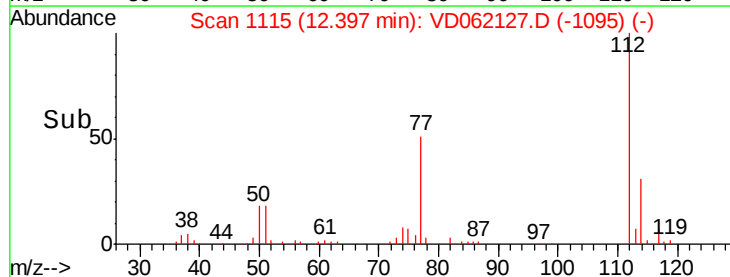
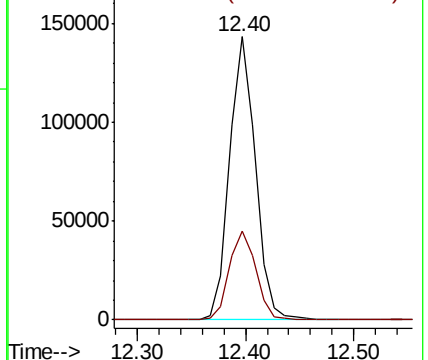


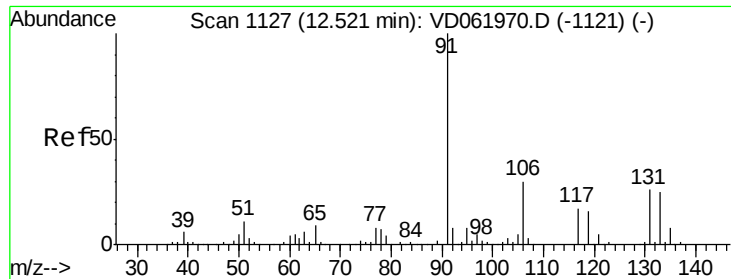
#65
Chlorobenzene
Concen: 24.536 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion:112 Resp: 238167
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 25.773 ug/l

RT: 12.51 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

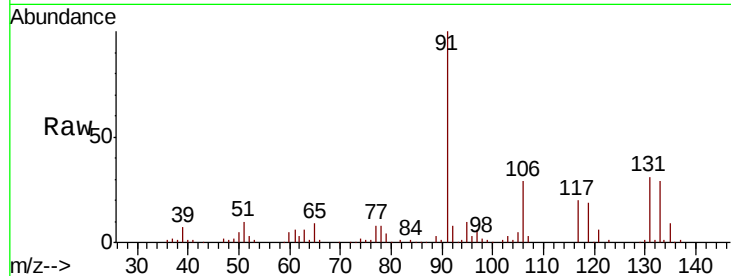
Tot Ion:131 Resp: 106116

Ion Ratio Lower Upper

131 100

133 95.6 48.6 145.8

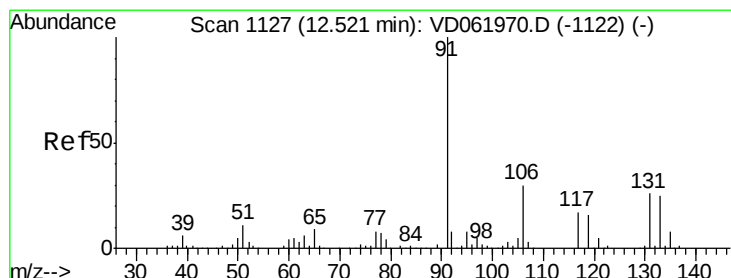
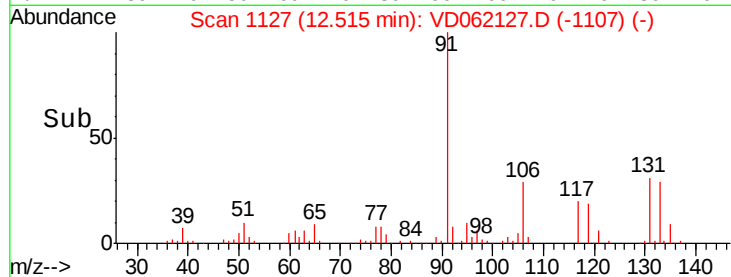
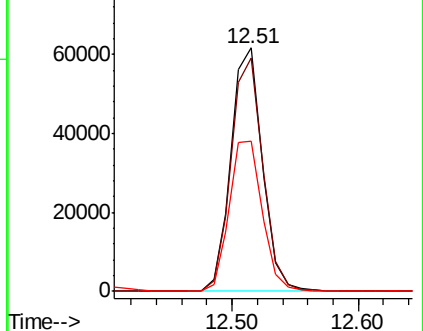
119 61.8 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#67

Ethyl Benzene

Concen: 24.051 ug/l

RT: 12.52 min Scan# 1128

Delta R.T. -0.00 min

Lab File: VD062127.D

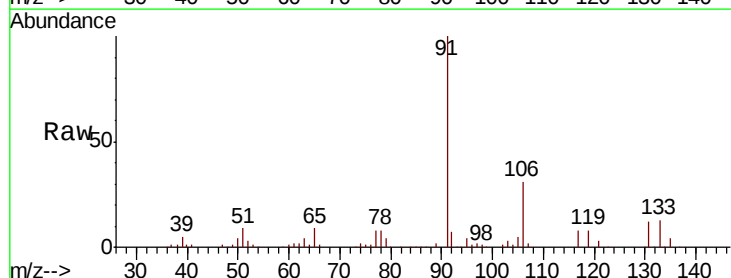
Acq: 6 May 2019 13:30

Tgt Ion: 91 Resp: 381046

Ion Ratio Lower Upper

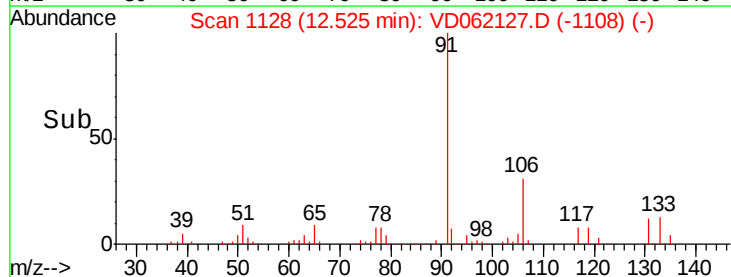
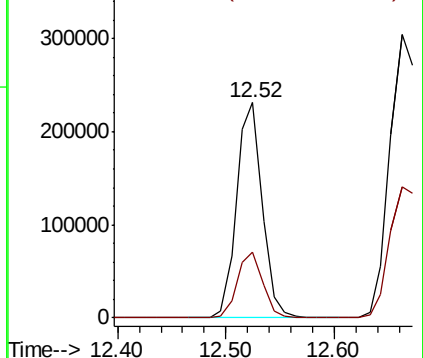
91 100

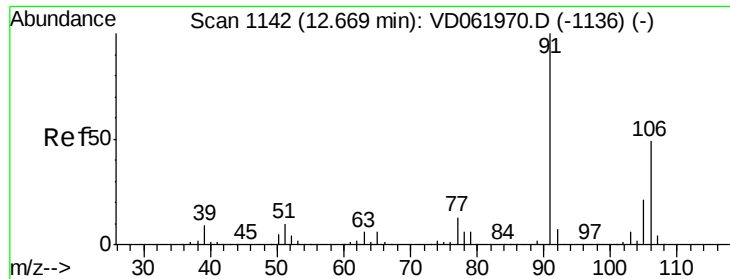
106 30.7 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

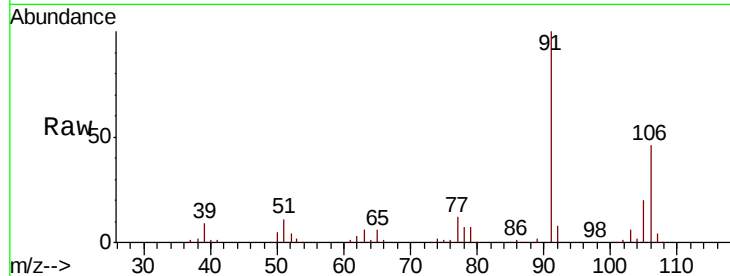




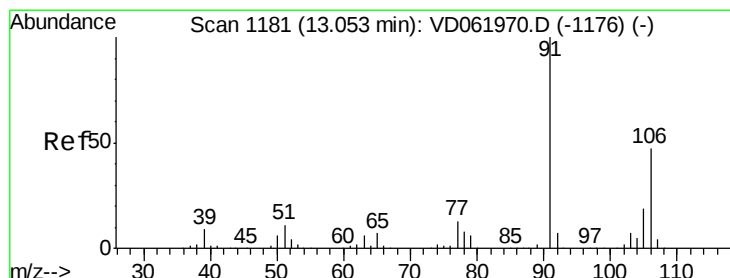
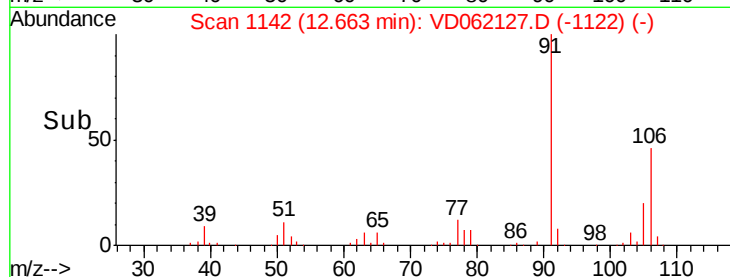
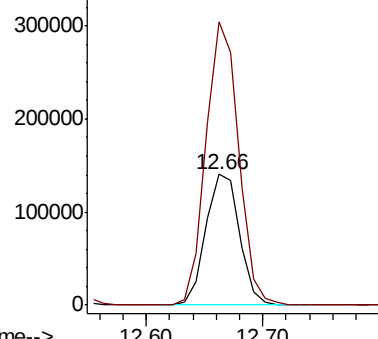
#68
m/p-Xylenes
Concen: 49.257 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:106 Resp: 282049
Ion Ratio Lower Upper
106 100
91 216.1 164.0 246.0

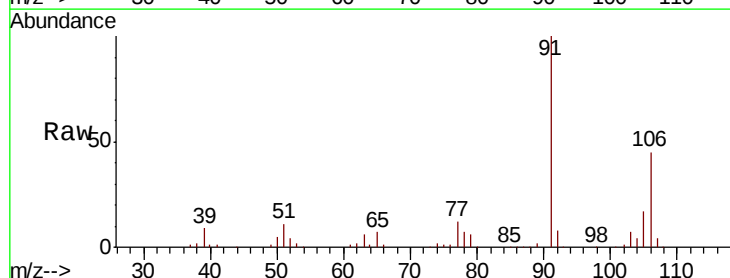


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

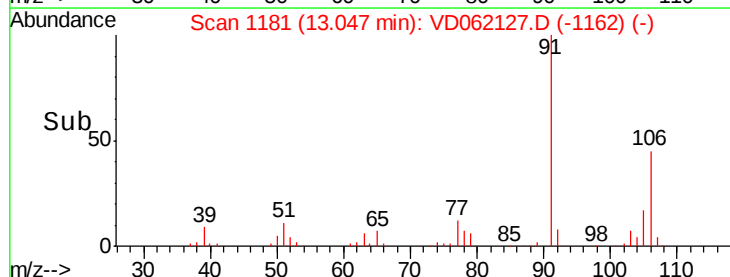
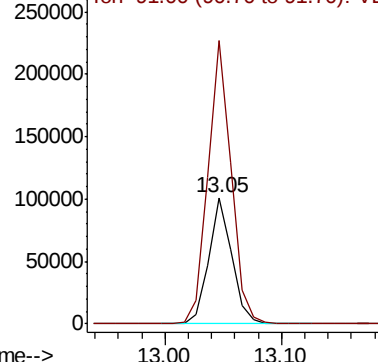


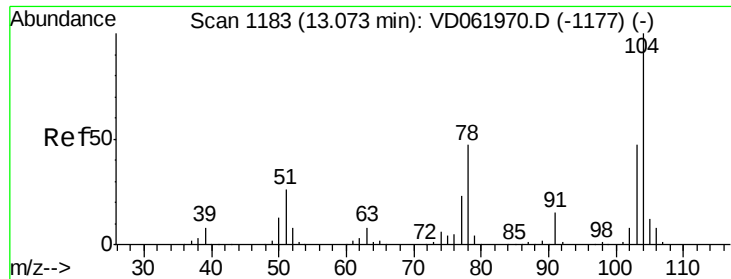
#69
o-Xylene
Concen: 26.483 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion:106 Resp: 138748
Ion Ratio Lower Upper
106 100
91 223.9 106.7 319.9



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

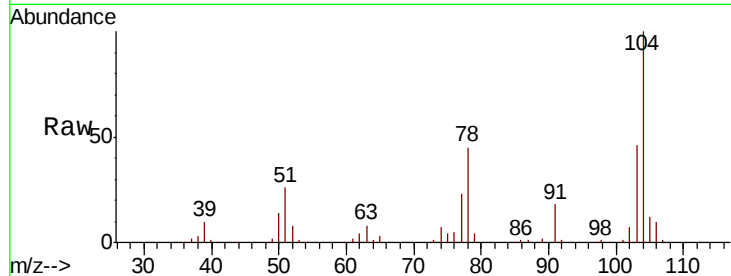




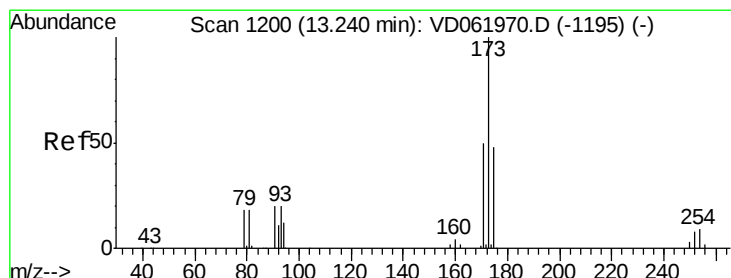
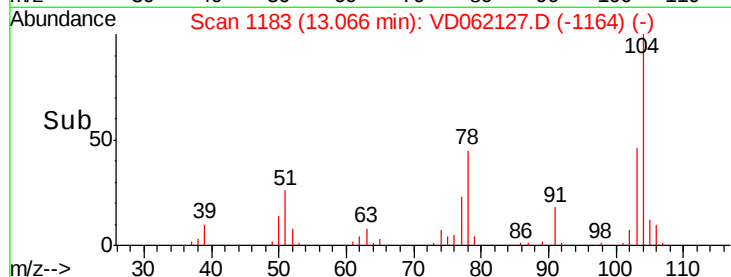
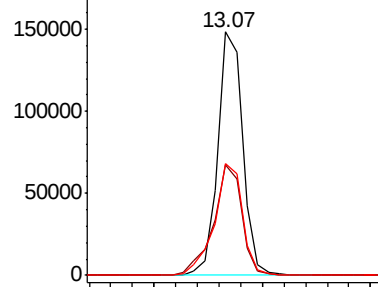
#70
Stvrene
Concen: 26.098 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:104 Resp: 236092
Ion Ratio Lower Upper
104 100
78 45.3 35.4 53.2
103 45.9 37.5 56.3

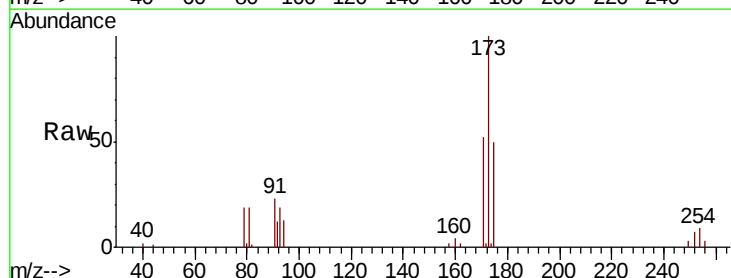


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

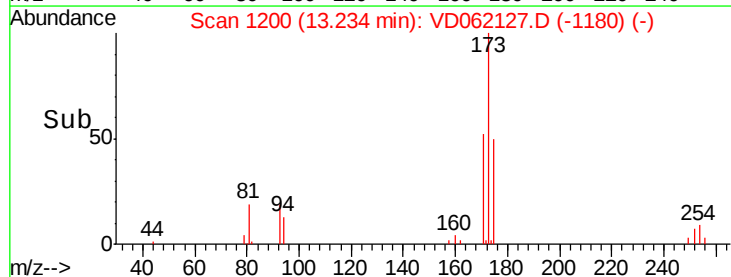
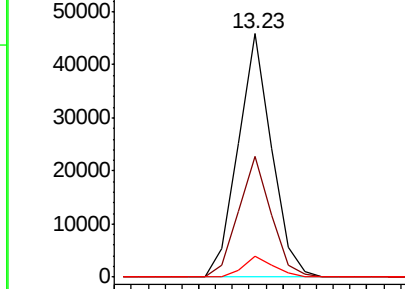


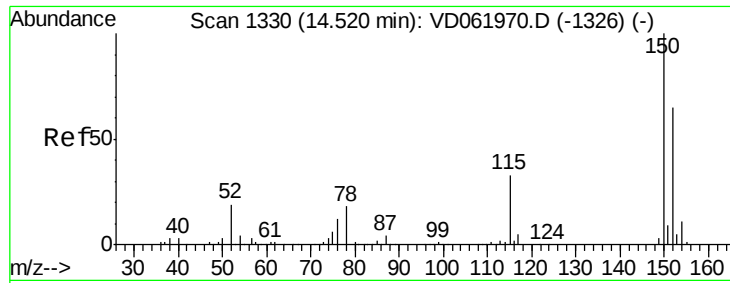
#71
Bromoform
Concen: 27.036 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion:173 Resp: 63463
Ion Ratio Lower Upper
173 100
175 49.7 24.4 73.4
254 8.8 5.4 8.2#



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

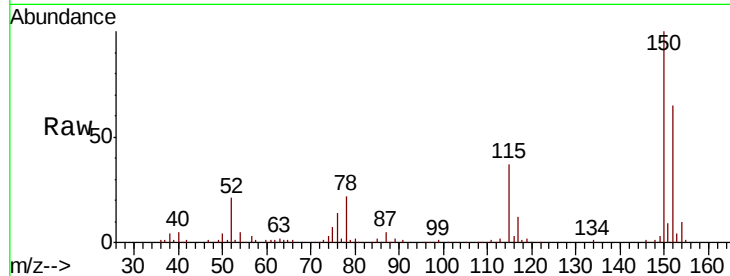
Tot Ion:152 Resp: 272671

Ion Ratio Lower Upper

152 100

115 56.8 30.9 92.7

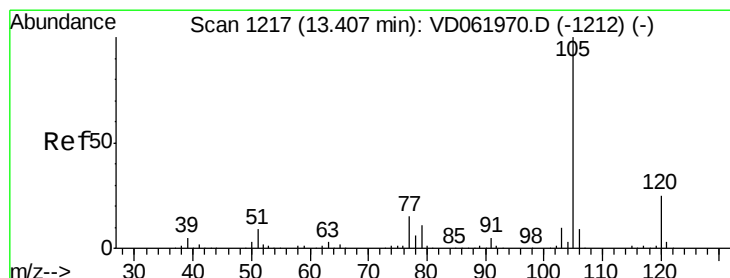
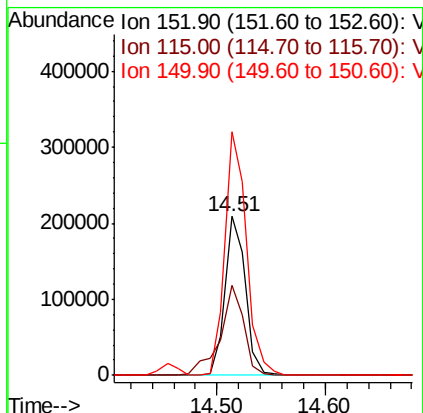
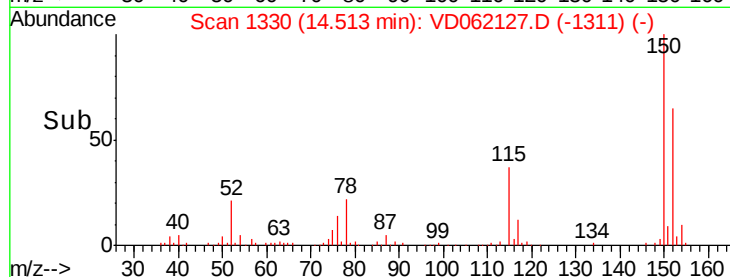
150 153.4 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 22.141 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062127.D

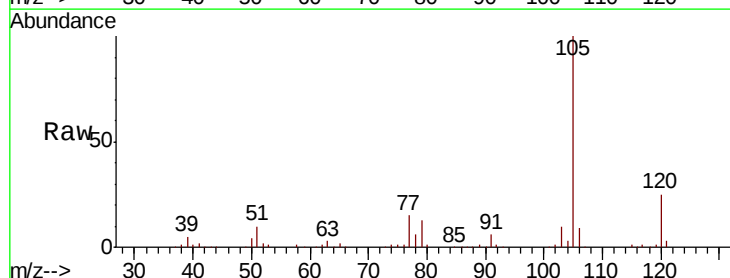
Acq: 6 May 2019 13:30

Tgt Ion:105 Resp: 402722

Ion Ratio Lower Upper

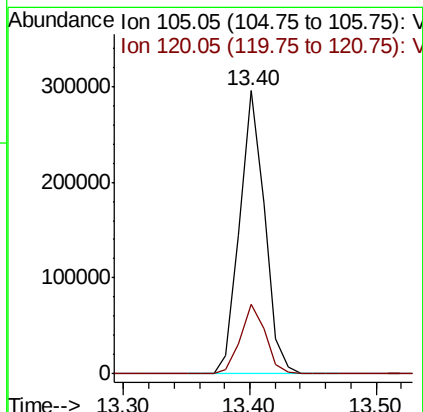
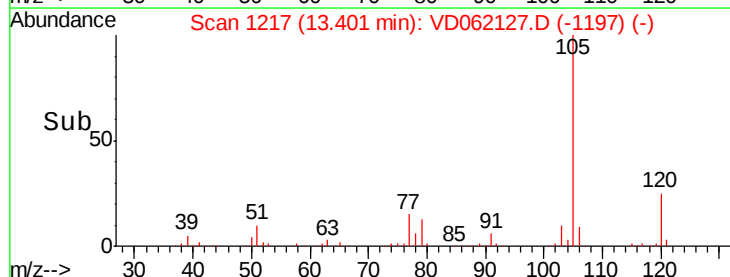
105 100

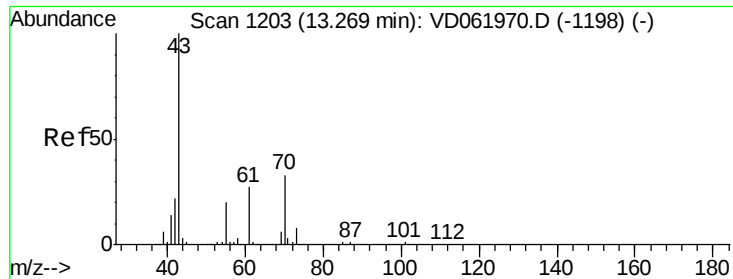
120 24.8 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 20.937 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

Tot Ion: 43 Resp: 98075

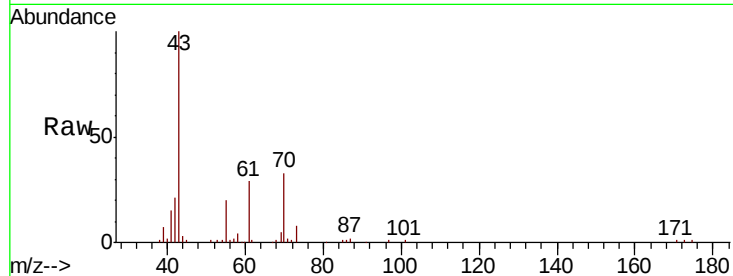
Ion Ratio Lower Upper

43 100

70 32.8 24.2 36.4

55 20.3 16.0 24.0

61 28.7 21.6 32.4

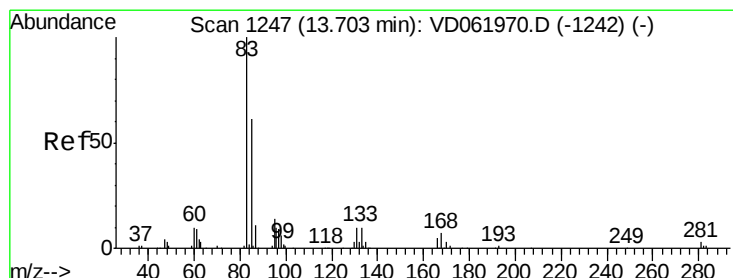
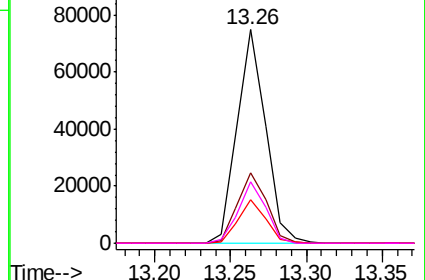
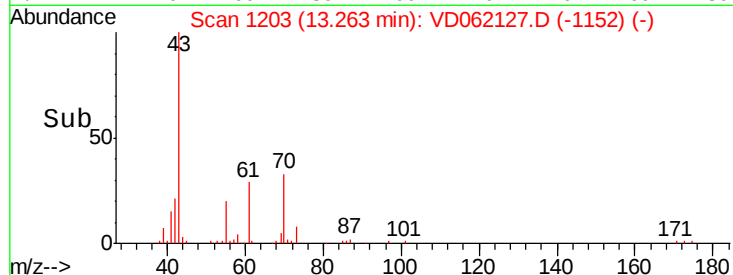


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 22.496 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

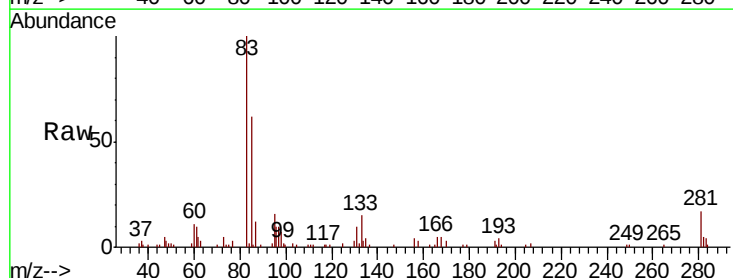
Tgt Ion: 83 Resp: 80185

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

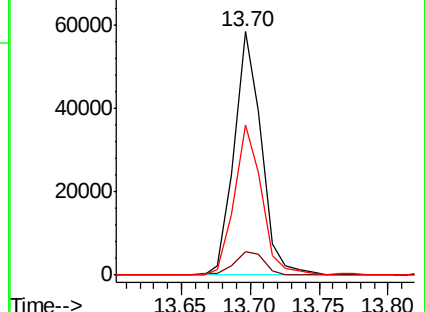
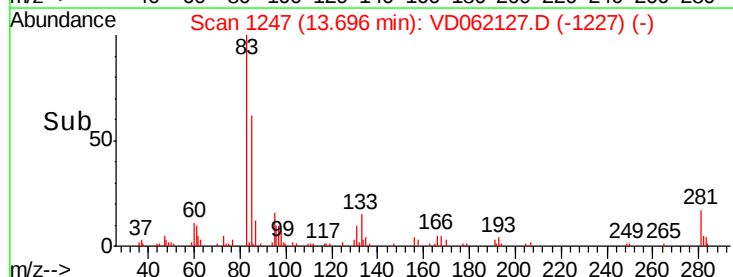
85 61.5 32.6 97.7

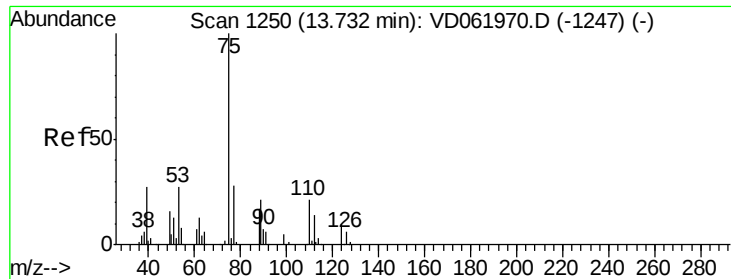


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

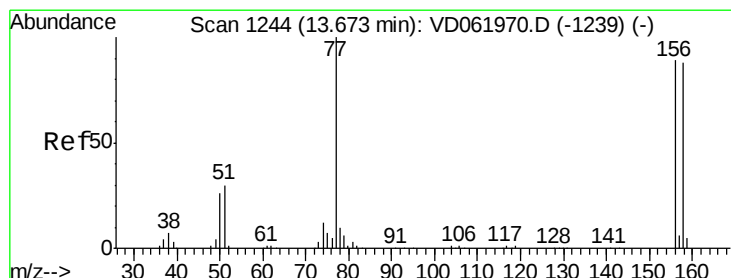
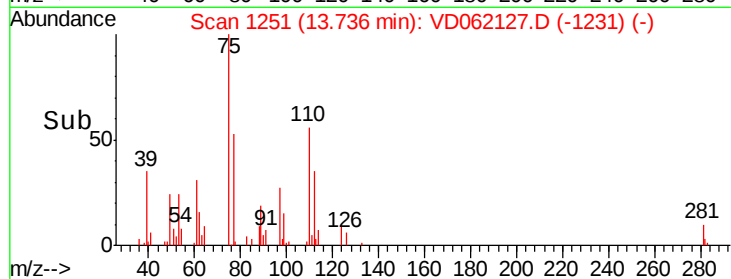
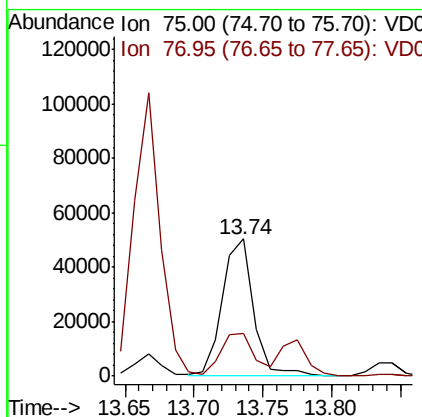
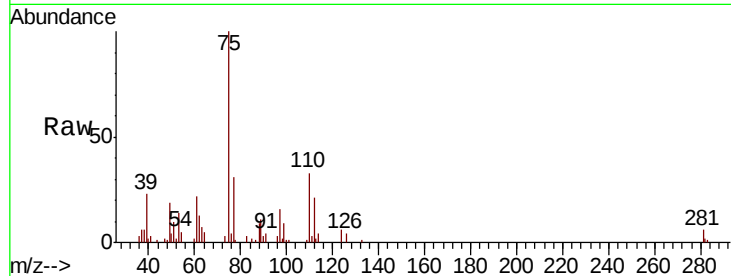




#76
 1,2,3-Trichloropropane
 Concen: 22.943 ug/l
 RT: 13.74 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

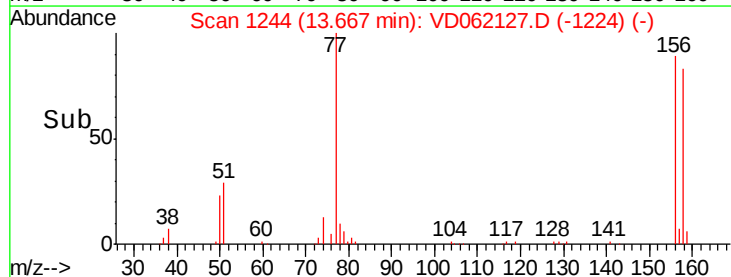
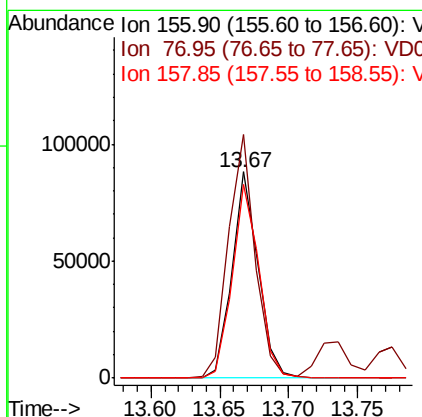
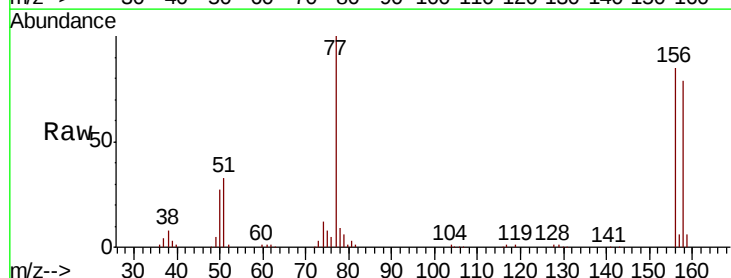
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

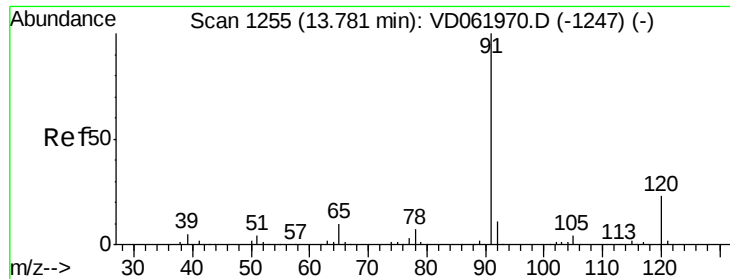
Tot Ion: 75 Resp: 79441
 Ion Ratio Lower Upper
 75 100
 77 31.2 16.4 49.4



#77
 Bromobenzene
 Concen: 22.328 ug/l
 RT: 13.67 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion: 156 Resp: 116502
 Ion Ratio Lower Upper
 156 100
 77 118.2 53.1 159.4
 158 93.8 49.4 148.0





#78

n-propylbenzene

Concen: 22.818 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

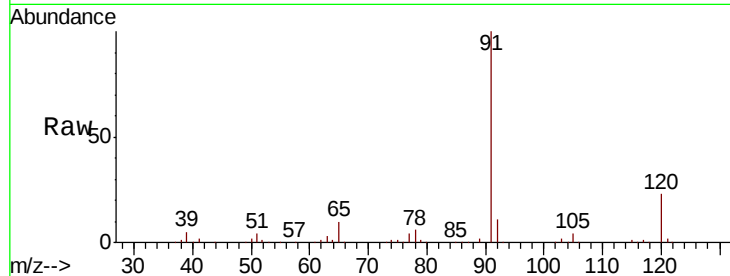
VD0506SBS01

Tot Ion: 91 Resp: 475119

Ion Ratio Lower Upper

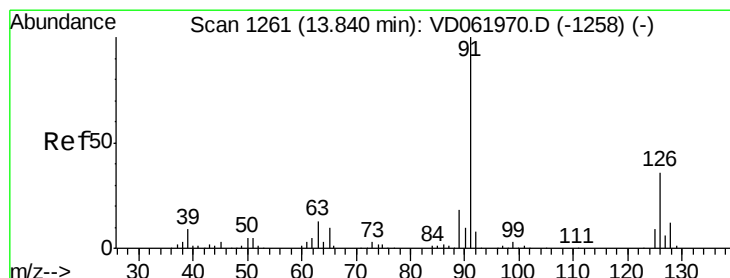
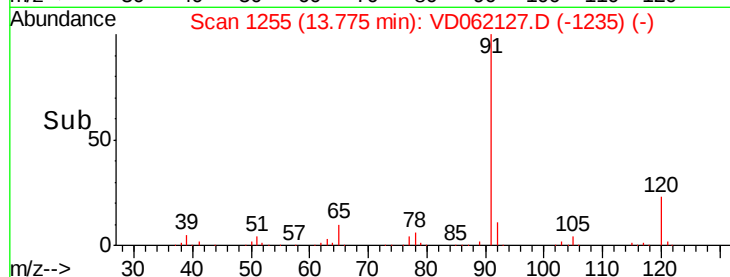
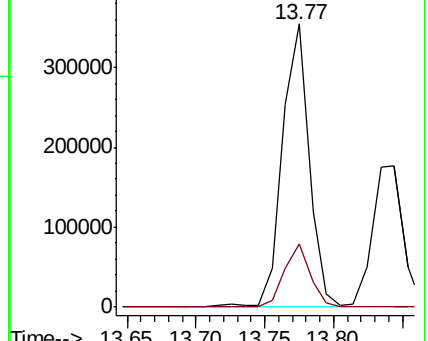
91 100

120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 21.710 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD062127.D

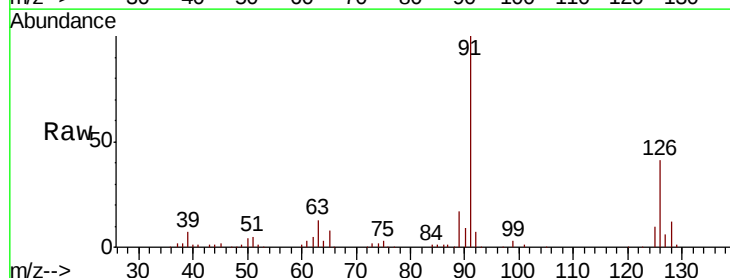
Acq: 6 May 2019 13:30

Tgt Ion: 91 Resp: 273809

Ion Ratio Lower Upper

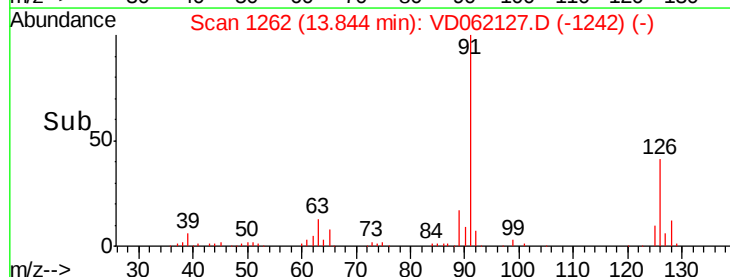
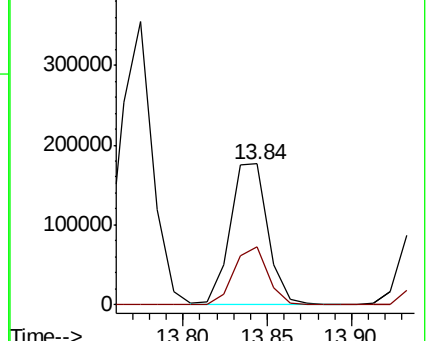
91 100

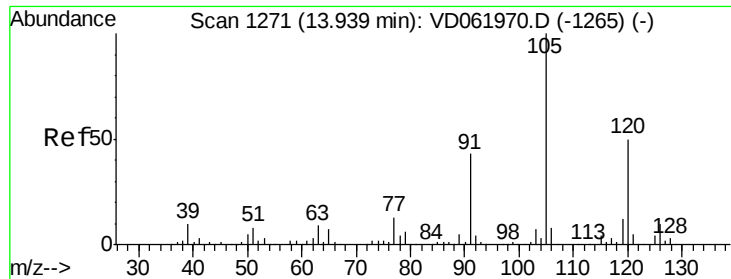
126 40.9 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

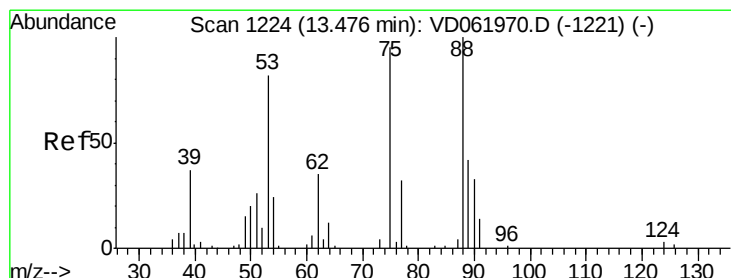
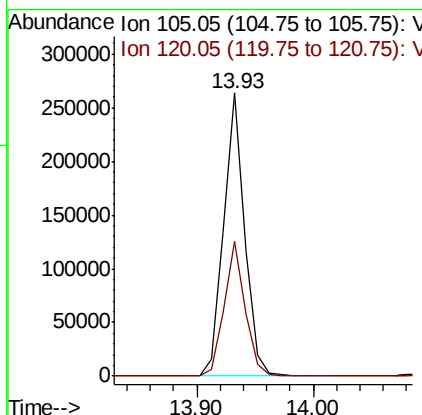
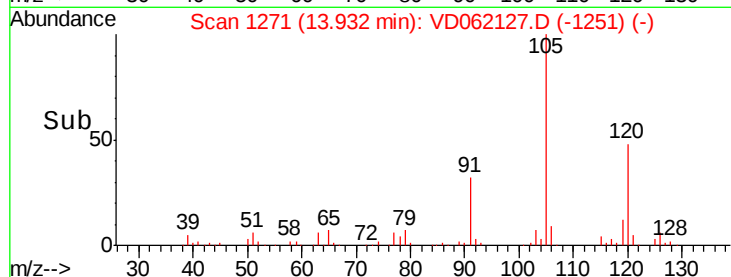
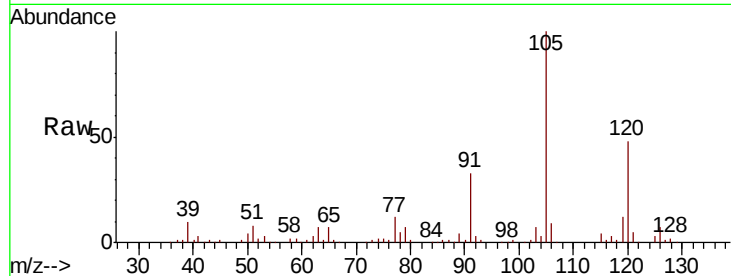




#80
 1,3,5-Trimethylbenzene
 Concen: 22.616 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

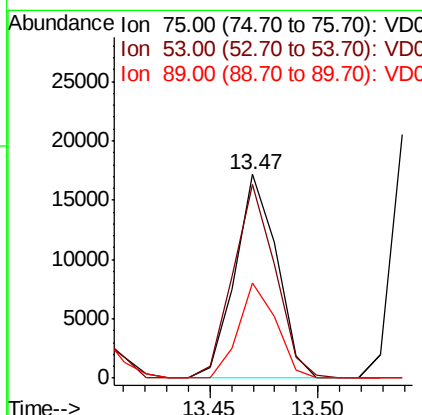
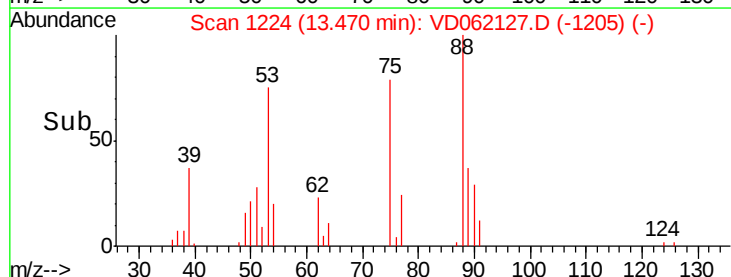
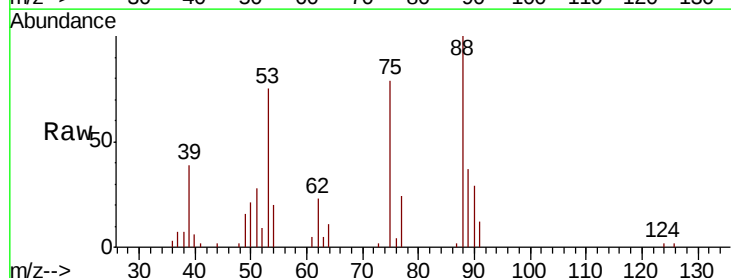
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

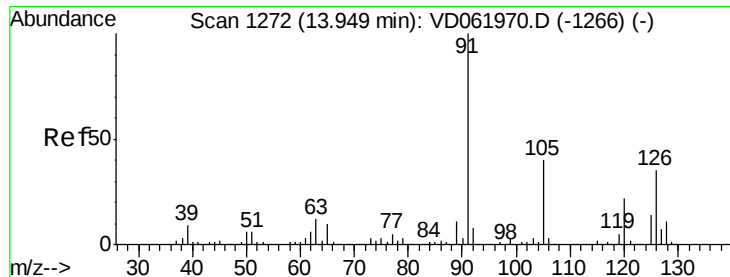
Tot Ion:105 Resp: 328001
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.818 ug/l
 RT: 13.47 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion: 75 Resp: 22893
 Ion Ratio Lower Upper
 75 100
 53 95.2 65.8 98.8
 89 46.5 35.0 52.6

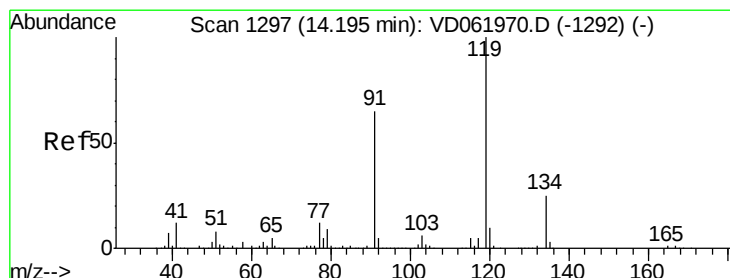
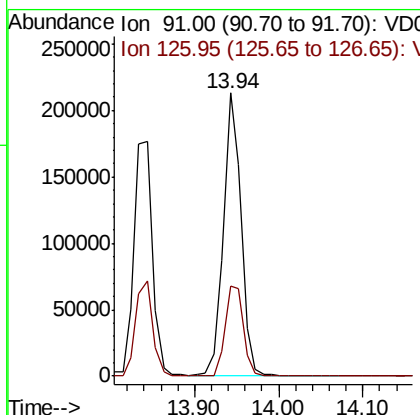
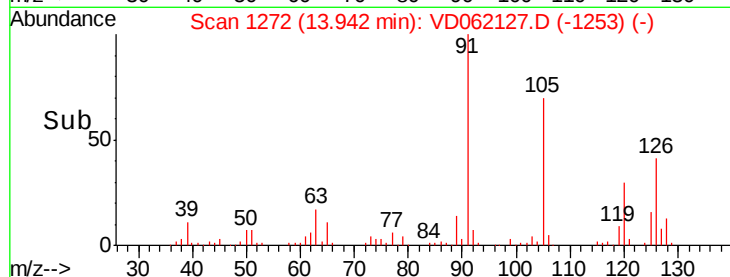
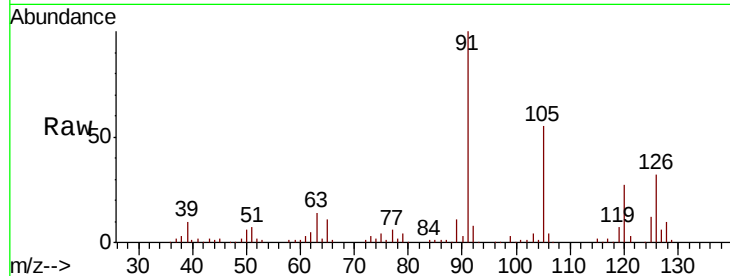




#82
4-Chlorotoluene
Concen: 22.400 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

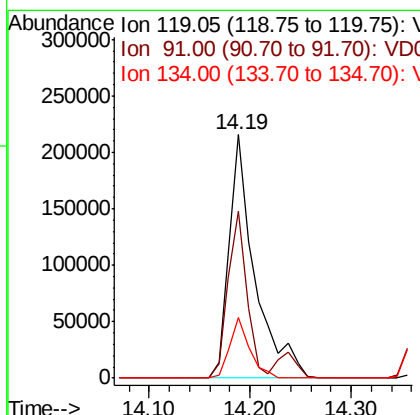
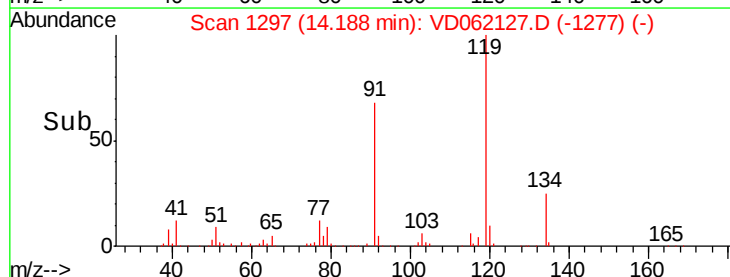
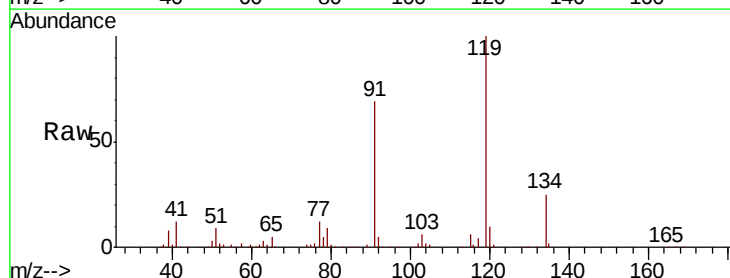
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

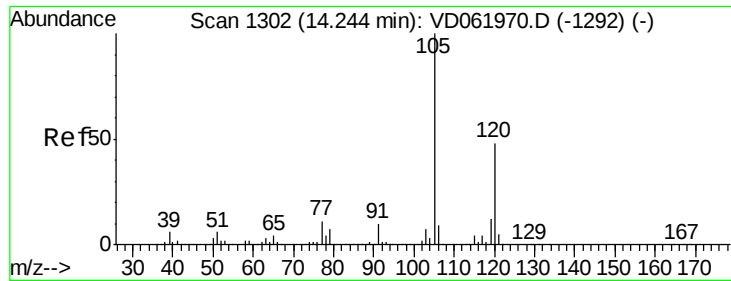
Tot Ion: 91 Resp: 311134
Ion Ratio Lower Upper
91 100
126 31.7 19.1 57.5



#83
tert-Butylbenzene
Concen: 22.566 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion: 119 Resp: 379141
Ion Ratio Lower Upper
119 100
91 68.7 34.2 102.6
134 24.8 12.0 36.0

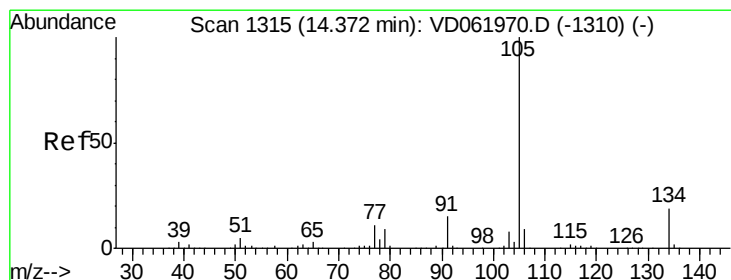
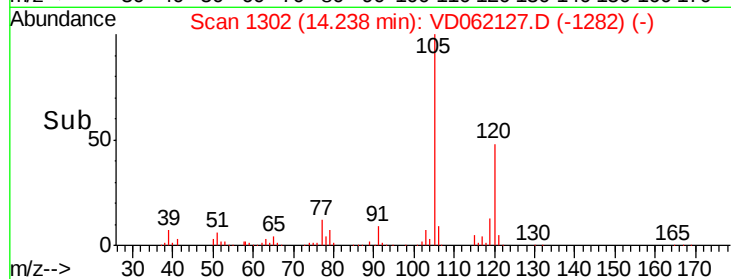
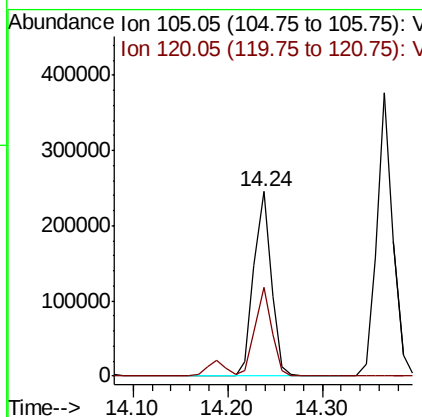
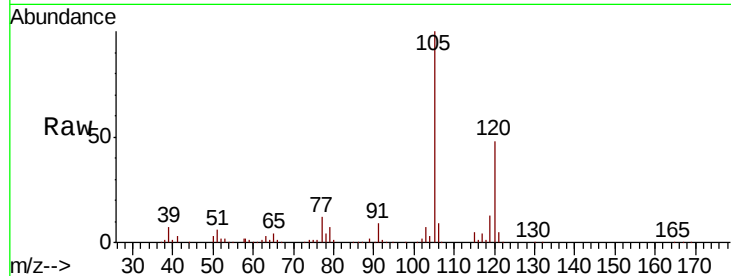




#84
 1,2,4-Trimethylbenzene
 Concen: 23.040 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

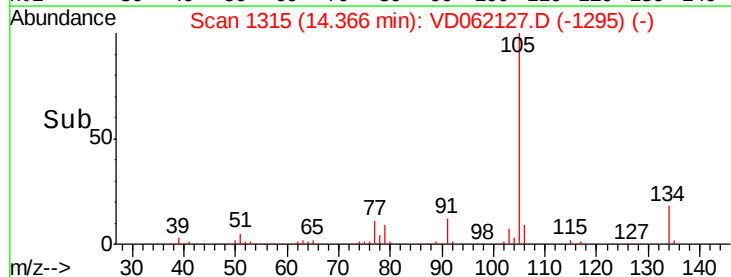
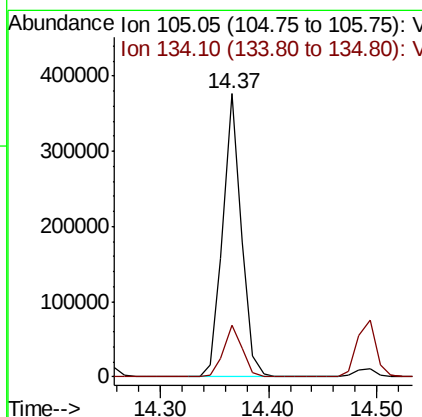
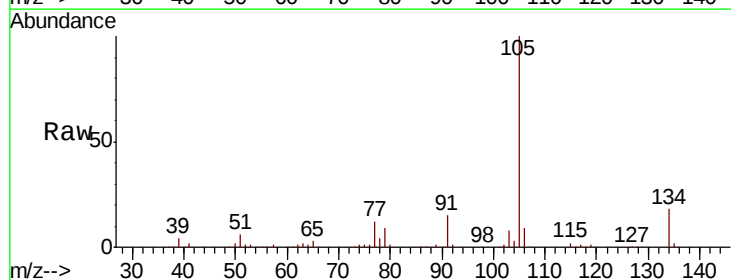
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

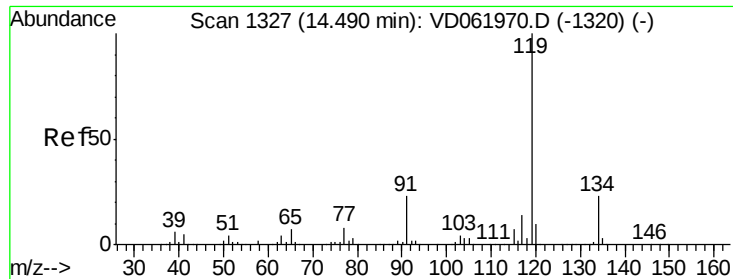
Tot Ion:105 Resp: 319064
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 24.914 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion:105 Resp: 452291
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.9 26.7

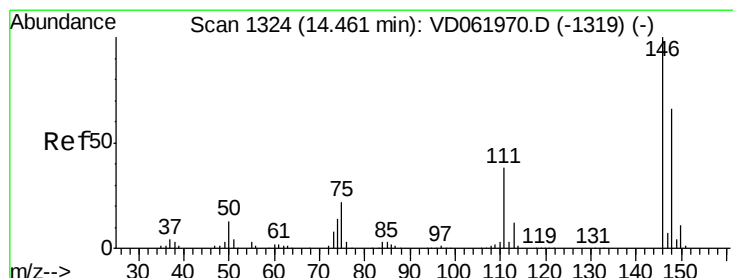
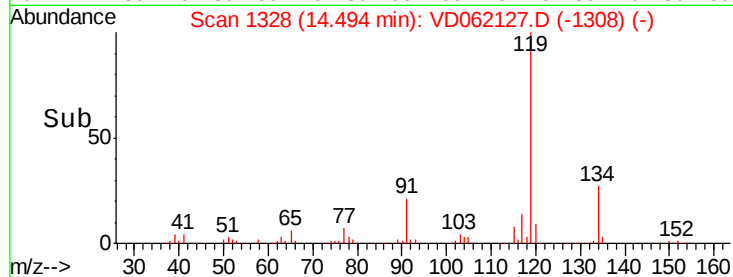
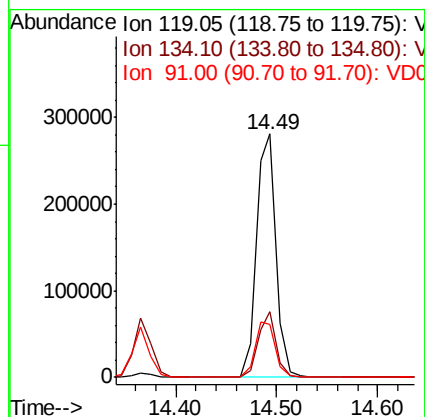
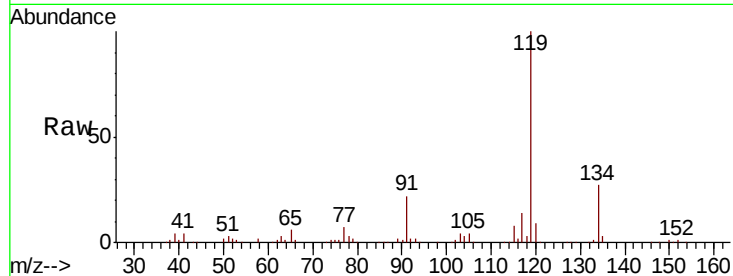




#86
 p-Isopropyltoluene
 Concen: 23.450 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

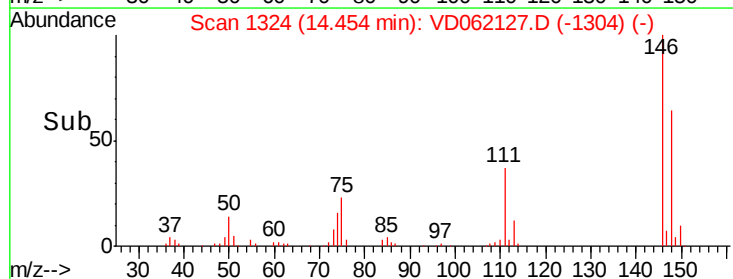
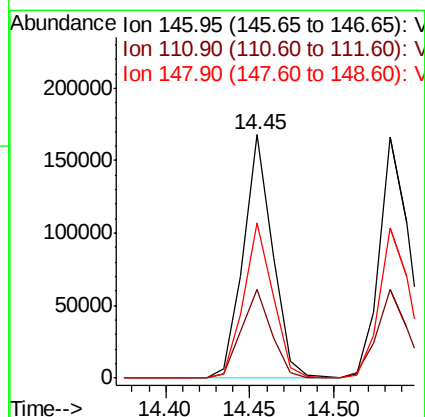
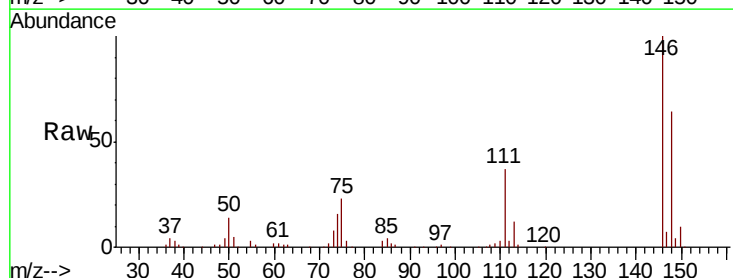
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

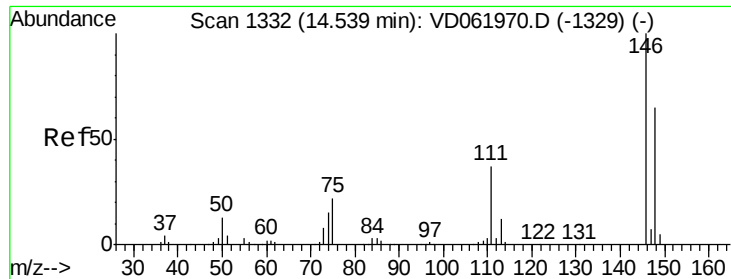
Tot Ion:119 Resp: 381004
 Ion Ratio Lower Upper
 119 100
 134 27.0 12.8 38.3
 91 21.7 10.7 32.1



#87
 1,3-Dichlorobenzene
 Concen: 22.161 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion:146 Resp: 202494
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.0 60.0
 148 63.7 31.8 95.4

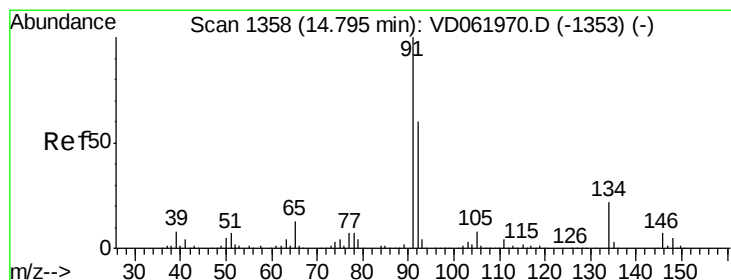
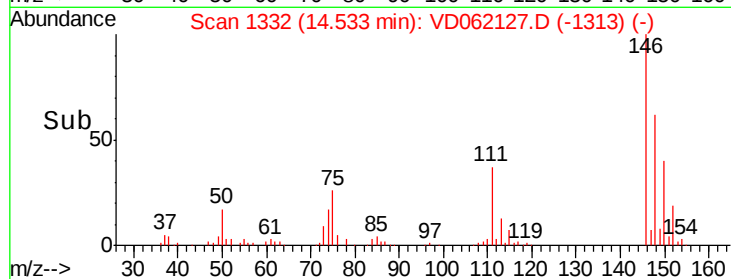
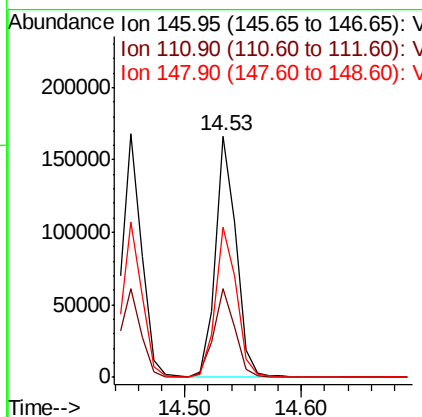
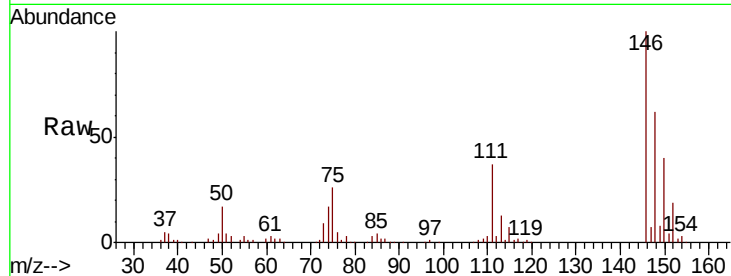




#88
 1,4-Dichlorobenzene
 Concen: 23.867 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

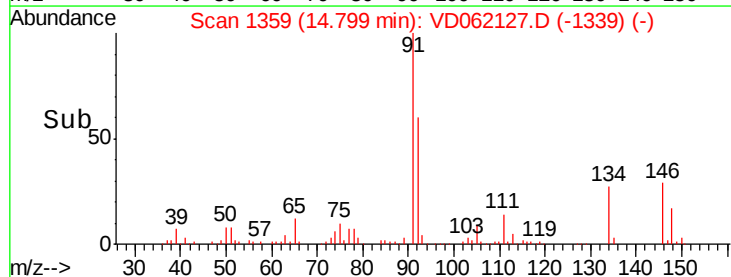
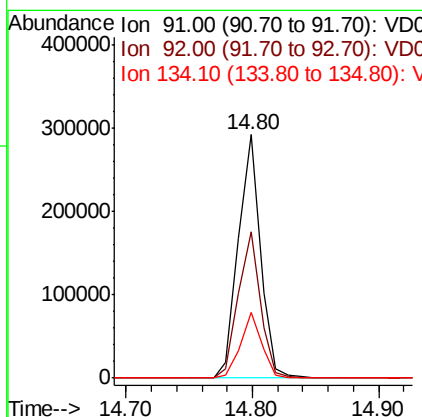
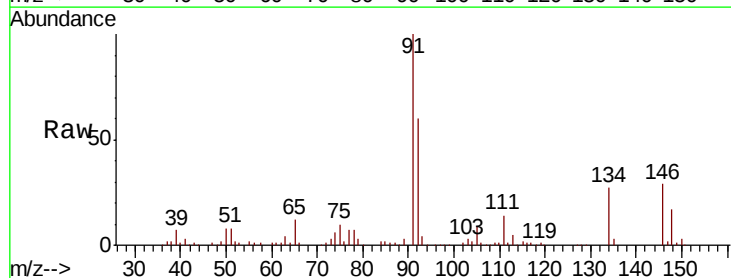
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

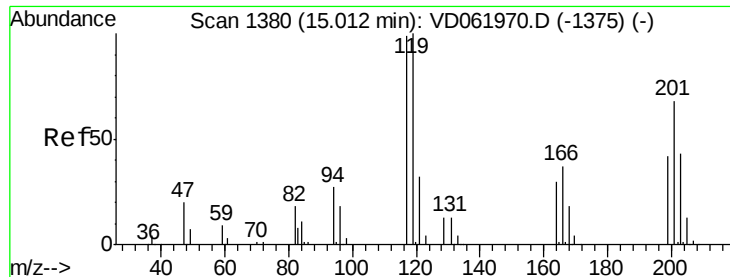
Tot Ion:146 Resp: 203946
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.2 60.5
 148 62.2 32.0 96.2



#89
 n-Butylbenzene
 Concen: 24.170 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion: 91 Resp: 352554
 Ion Ratio Lower Upper
 91 100
 92 60.0 30.3 91.0
 134 26.9 14.5 43.6

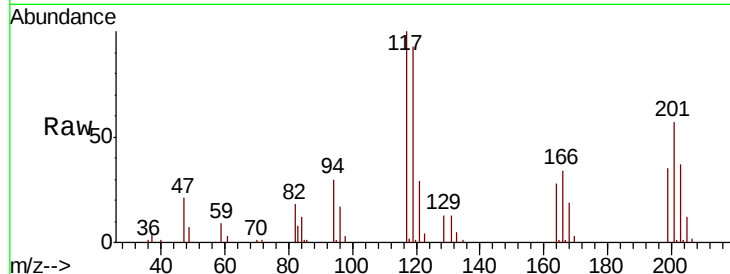




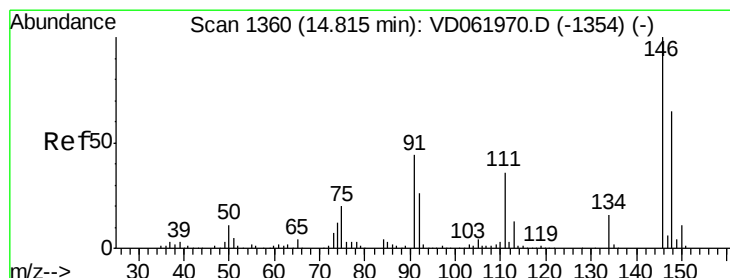
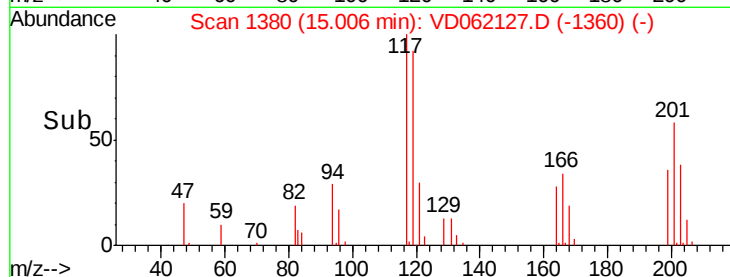
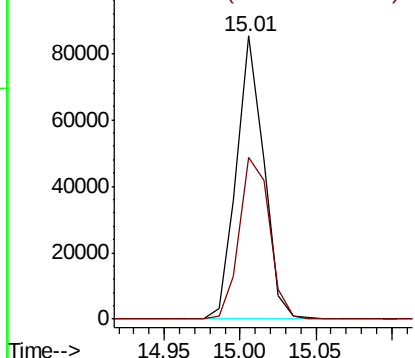
#90
Hexachloroethane
Concen: 24.256 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:117 Resp: 106563
Ion Ratio Lower Upper
117 100
201 57.4 30.2 90.6

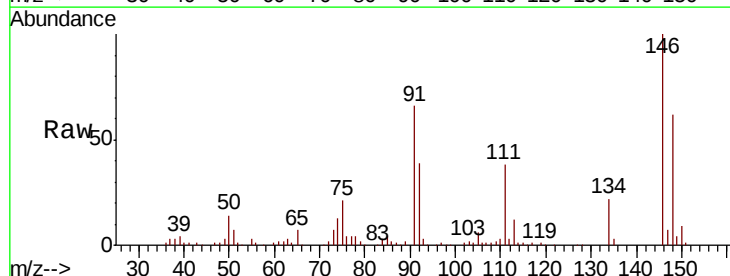


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

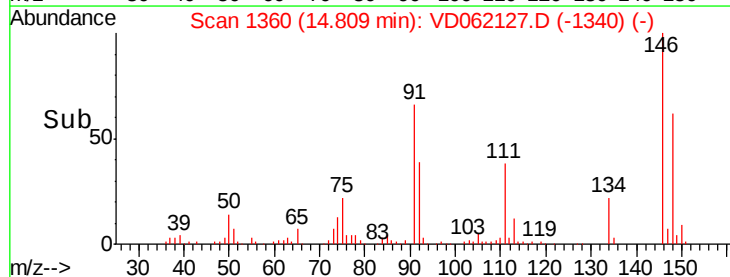
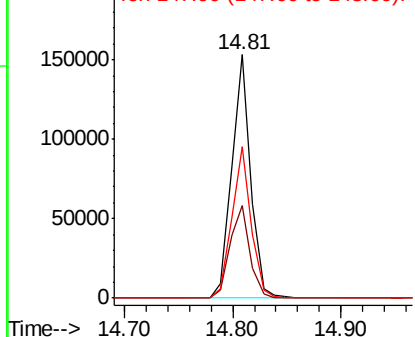


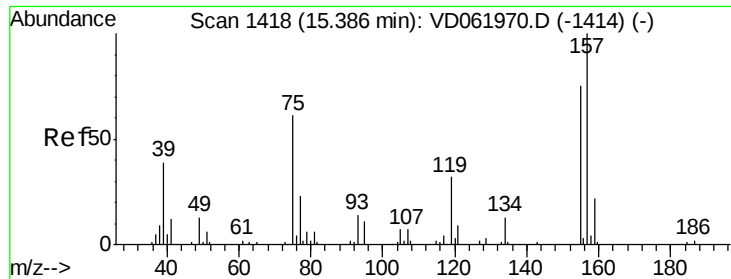
#91
1,2-Dichlorobenzene
Concen: 24.666 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VD062127.D
Acq: 6 May 2019 13:30

Tgt Ion:146 Resp: 185914
Ion Ratio Lower Upper
146 100
111 38.0 20.0 59.9
148 62.2 32.3 96.8



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

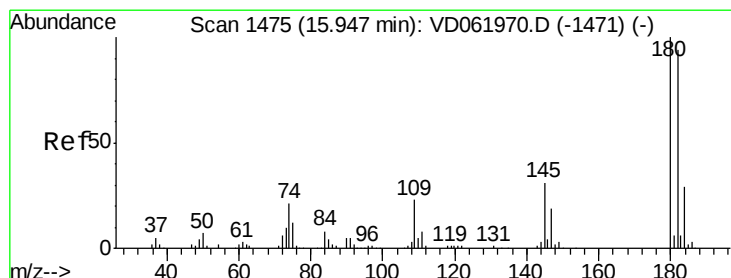
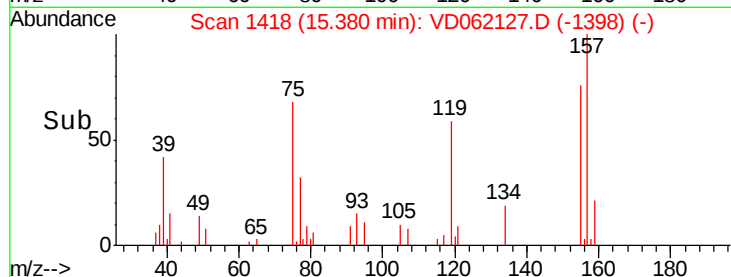
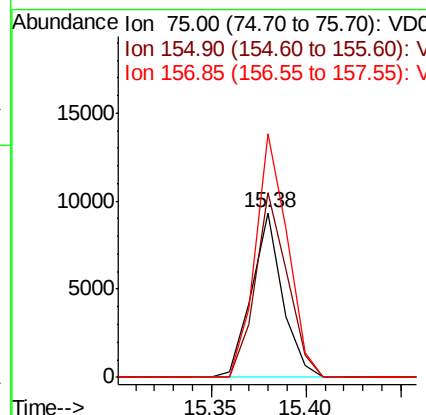
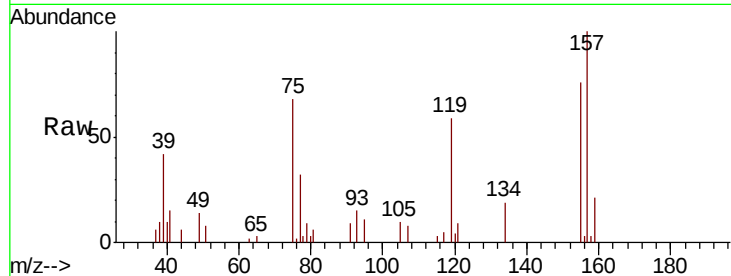




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.695 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

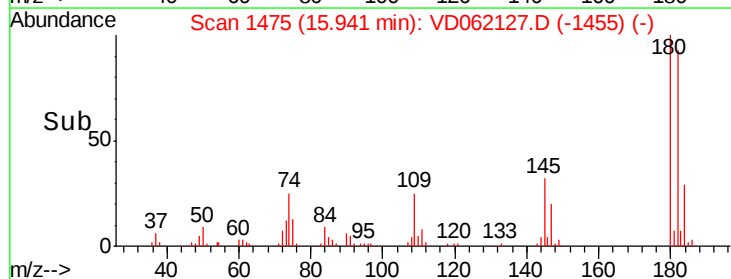
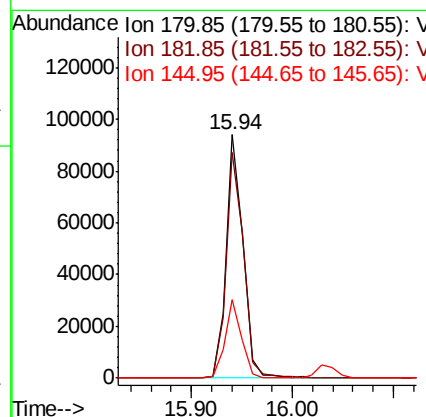
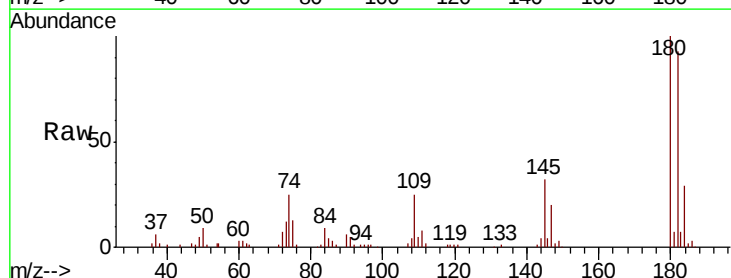
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

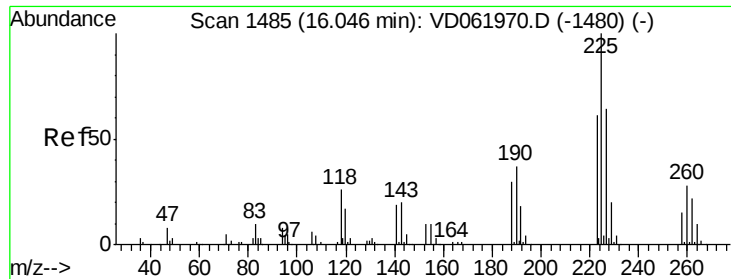
Tot Ion: 75 Resp: 10595
 Ion Ratio Lower Upper
 75 100
 155 111.8 55.3 165.8
 157 147.8 67.8 203.2



#93
 1,2,4-Trichlorobenzene
 Concen: 27.121 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Tgt Ion:180 Resp: 110296
 Ion Ratio Lower Upper
 180 100
 182 92.9 49.3 147.8
 145 32.0 16.2 48.6





#94

Hexachlorobutadiene

Concen: 27.315 ug/l

RT: 16.04 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

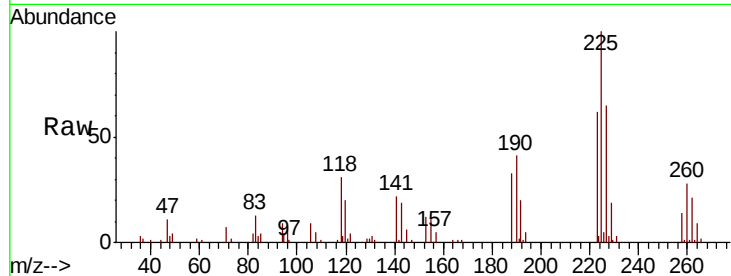
Tot Ion:225 Resp: 82207

Ion Ratio Lower Upper

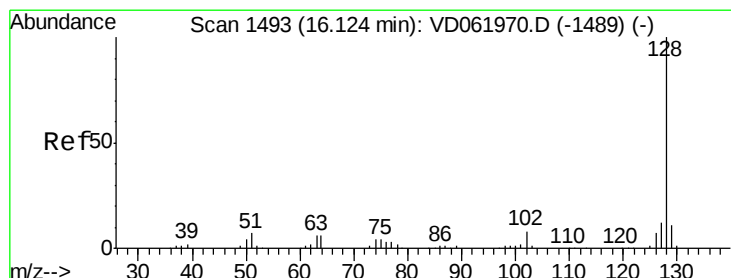
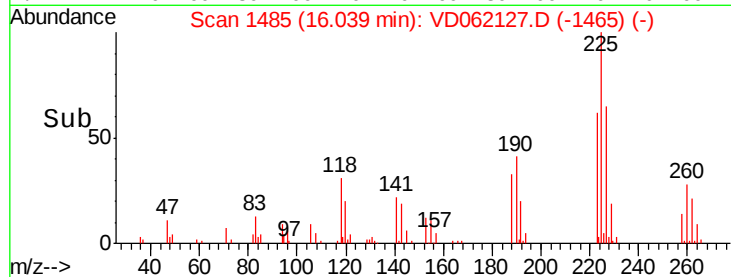
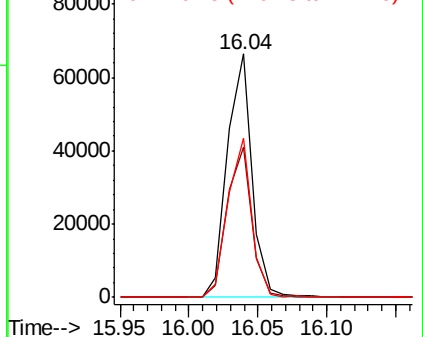
225 100

223 61.5 30.6 92.0

227 65.4 32.0 96.2



Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V



#95

Naphthalene

Concen: 22.624 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062127.D

Acq: 6 May 2019 13:30

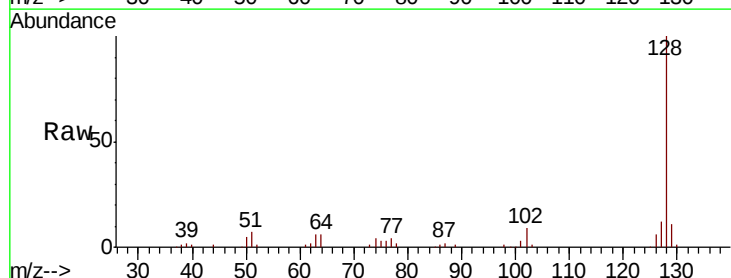
Tgt Ion:128 Resp: 148558

Ion Ratio Lower Upper

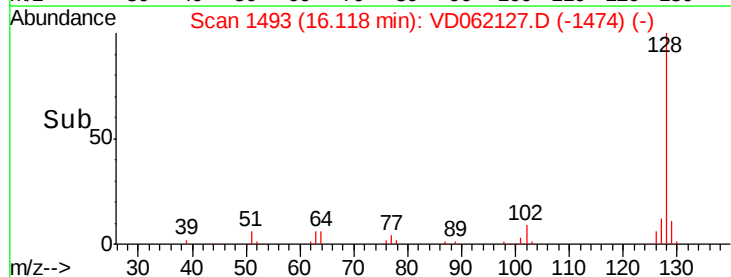
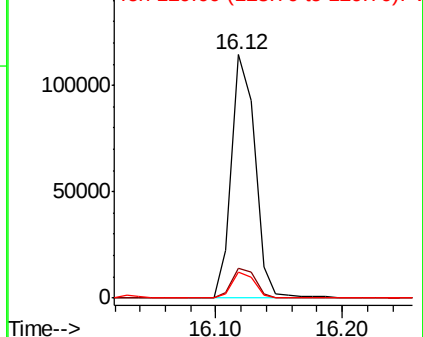
128 100

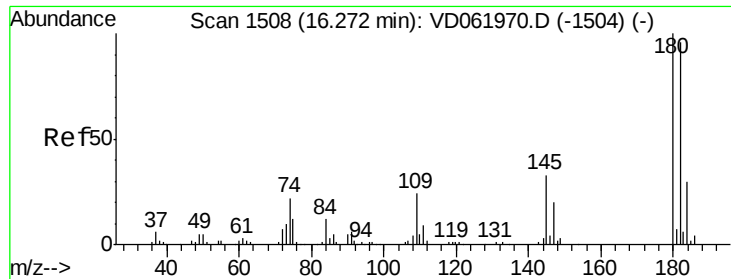
127 12.5 9.8 14.8

129 10.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

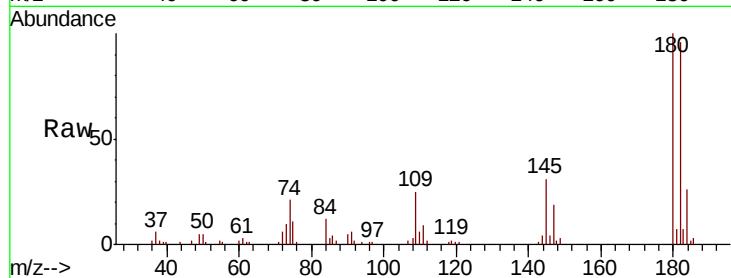




#96
 1,2,3-Trichlorobenzene
 Concen: 27.740 ug/l
 RT: 16.27 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VD062127.D
 Acq: 6 May 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.0
145	30.5	17.0	51.0



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

