

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062134.D
 Acq On : 6 May 2019 16:55
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00µ/5mL/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:10:43 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	7.03	168	416062	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	646685	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	610741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	310106	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	175246	53.82	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	6.91	113	252111	56.37	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.74%	
50) Toluene-d8	10.39	98	546483	51.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	13.54	95	258389	60.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	121.06%	

Target Compounds

						Qvalue
3) Chloromethane	1.73	50	4117	1.304	ug/l #	79
4) Vinyl Chloride	1.83	62	5751	2.009	ug/l #	84
5) Bromomethane	2.13	94	6016	6.390	ug/l #	94
6) Chloroethane	2.24	64	6159	5.953	ug/l	96
7) Trichlorofluoromethane	2.51	101	49076	11.341	ug/l	98
8) Diethyl Ether	2.86	74	18220	15.710	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	58362	14.641	ug/l	94
10) Methyl Iodide	3.29	142	44244	11.923	ug/l	99
11) Tert butyl alcohol	4.05	59	23008	125.054	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	41155	12.135	ug/l	95
13) Acrolein	3.02	56	15275	80.017	ug/l	93
14) Allyl chloride	3.60	41	67113	14.492	ug/l	95
15) Acrylonitrile	4.18	53	62437	109.593	ug/l	96
16) Acetone	3.21	43	88371	113.658	ug/l	93
17) Carbon Disulfide	3.36	76	52800	5.388	ug/l	100
18) Methyl Acetate	3.62	43	30709	20.502	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	138576	20.594	ug/l	96
20) Methylene Chloride	3.80	84	66866	15.463	ug/l	96
21) trans-1,2-Dichloroethene	4.20	96	56916	14.630	ug/l	95
22) Diisopropyl ether	5.10	45	199366	18.440	ug/l	97
23) Vinyl Acetate	5.03	43	541190	96.118	ug/l	99
24) 1,1-Dichloroethane	4.96	63	113962	17.439	ug/l	97
25) 2-Butanone	6.05	43	105369	111.776	ug/l	95
26) 2,2-Dichloropropane	6.00	77	114512	20.087	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	81534	18.422	ug/l	95
28) Bromochloromethane	6.42	49	53860	21.541	ug/l	91
29) Tetrahydrofuran	6.45	42	44768	96.382	ug/l	96
30) Chloroform	6.64	83	151456	20.405	ug/l	92
31) Cyclohexane	6.94	56	59991	12.368	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	123456	19.116	ug/l	94
36) 1,1-Dichloropropene	7.13	75	92074	18.275	ug/l	98
37) Ethyl Acetate	6.16	43	48247	22.472	ug/l	95
38) Carbon Tetrachloride	7.10	117	121692	19.061	ug/l	97
39) Methylcyclohexane	8.85	83	75122	15.112	ug/l	95

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 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)
40) Benzene	7.44	78	215270	17.258	ug/l	97
41) Methacrylonitrile	6.44	41	56050	22.374	ug/l #	88
42) 1,2-Dichloroethane	7.56	62	93412	22.056	ug/l	94
43) Isopropyl Acetate	9.22	43	65647	20.926	ug/l	98
44) Trichloroethene	8.52	130	93498	19.335	ug/l	92
45) 1,2-Dichloropropane	8.93	63	61818	19.536	ug/l	96
46) Dibromomethane	9.05	93	47849	21.015	ug/l	96
47) Bromodichloromethane	9.36	83	118976	22.114	ug/l	98
48) Methyl methacrylate	9.10	41	36857	20.592	ug/l	94
49) 1,4-Dioxane	9.07	88	8722	451.982	ug/l	93
51) 4-Methyl-2-Pentanone	10.29	43	238817	124.479	ug/l	99
52) Toluene	10.49	92	163344	20.538	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	110104	24.382	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	120041	21.856	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	66179	24.786	ug/l	98
56) Ethyl methacrylate	11.02	69	66542	22.502	ug/l	97
57) 1,3-Dichloropropane	11.40	76	95958	23.269	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	203861	148.276	ug/l	99
59) 2-Hexanone	11.52	43	191609	133.139	ug/l	97
60) Dibromochloromethane	11.67	129	108270	24.507	ug/l	97
61) 1,2-Dibromoethane	11.80	107	74525	23.529	ug/l	98
64) Tetrachloroethene	11.24	164	80130	18.392	ug/l	97
65) Chlorobenzene	12.39	112	242738	21.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	109646	22.398	ug/l	96
67) Ethyl Benzene	12.51	91	415855	22.077	ug/l	98
68) m/p-Xylenes	12.66	106	280932	41.264	ug/l	98
69) o-Xylene	13.04	106	123821	19.877	ug/l	95
70) Stvrene	13.06	104	239559	22.272	ug/l	98
71) Bromoform	13.23	173	66044	23.664	ug/l	98
73) Isopropylbenzene	13.40	105	382320	18.482	ug/l	97
74) N-amyl acetate	13.26	43	108480	20.362	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	81763	20.170	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	84260	21.397	ug/l	97
77) Bromobenzene	13.66	156	112608	18.976	ug/l	96
78) n-propylbenzene	13.77	91	476665	20.129	ug/l	97
79) 2-Chlorotoluene	13.83	91	245436	17.111	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	321097	19.467	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	25144	21.070	ug/l	98
82) 4-Chlorotoluene	13.94	91	301745	19.102	ug/l	90
83) tert-Butylbenzene	14.18	119	354198	18.537	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	310090	19.689	ug/l	99
85) sec-Butylbenzene	14.36	105	401156	19.430	ug/l	100
86) p-Isopropyltoluene	14.49	119	371877	20.126	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	213847	20.578	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	204554	21.048	ug/l	97
89) n-Butylbenzene	14.79	91	337412	20.340	ug/l	97
90) Hexachloroethane	15.00	117	94605	18.934	ug/l	99
91) 1,2-Dichlorobenzene	14.80	146	167494	19.539	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	11808	21.313	ug/l	100
93) 1,2,4-Trichlorobenzene	15.94	180	103600	22.399	ug/l	95

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

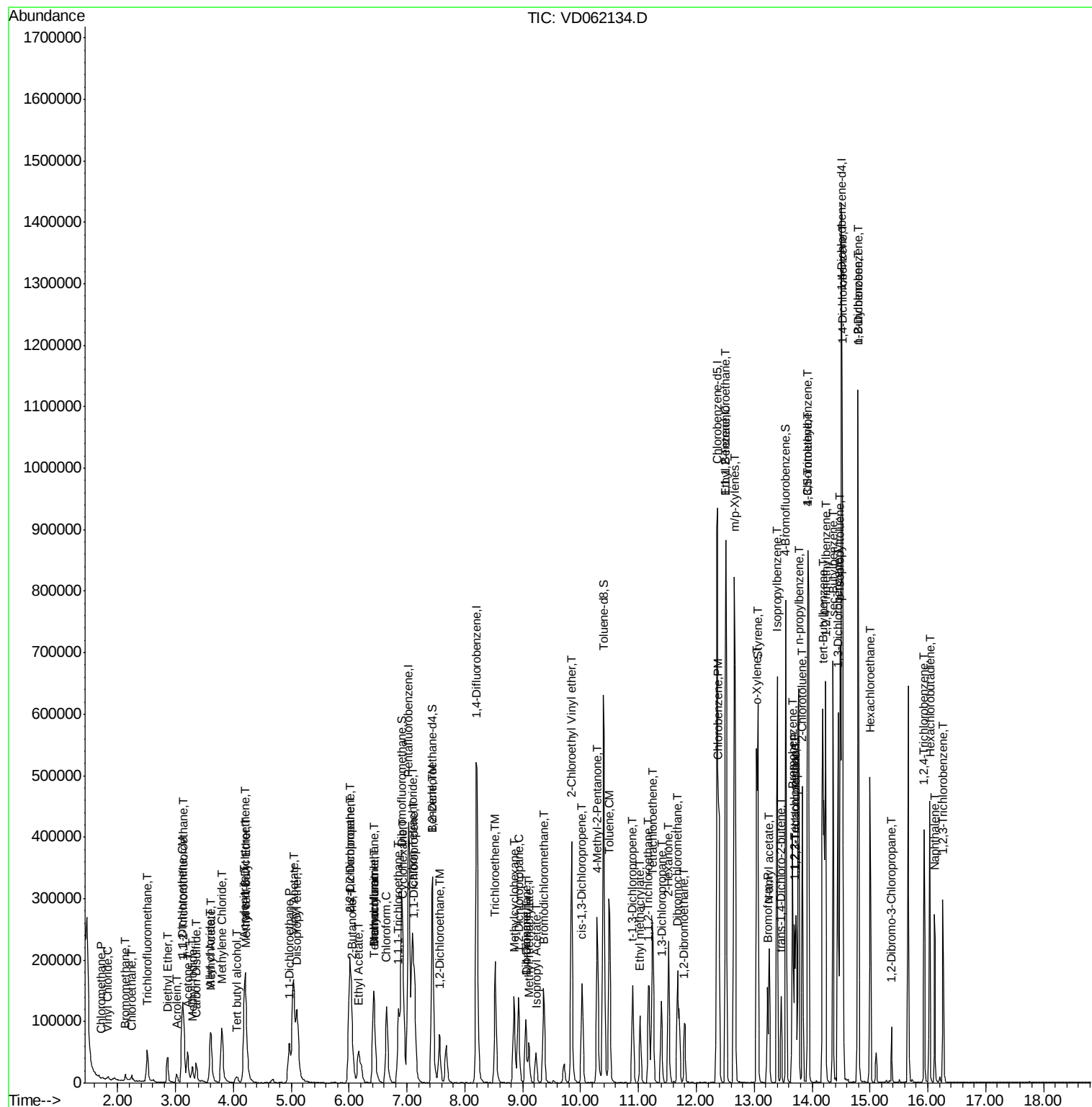
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	79564	23.245	µg/l	99
95) Naphthalene	16.11	128	187284	25.079	µg/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	73426	27.980	µg/l	98

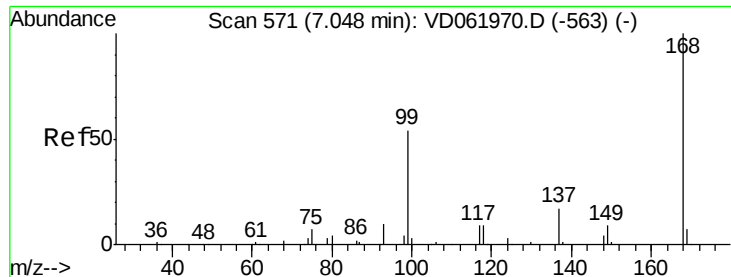
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

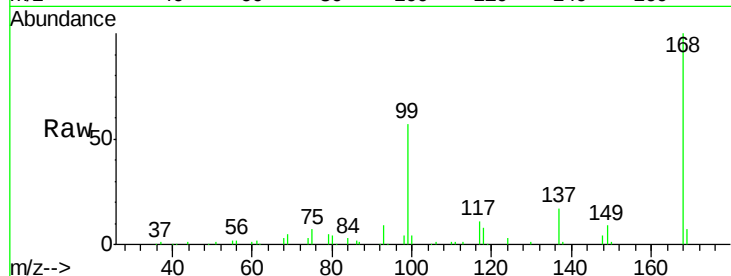
VD0506SBSD01

Tot Ion:168 Resp: 416062

Ion Ratio Lower Upper

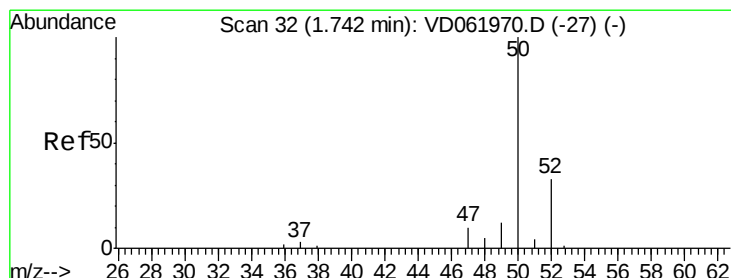
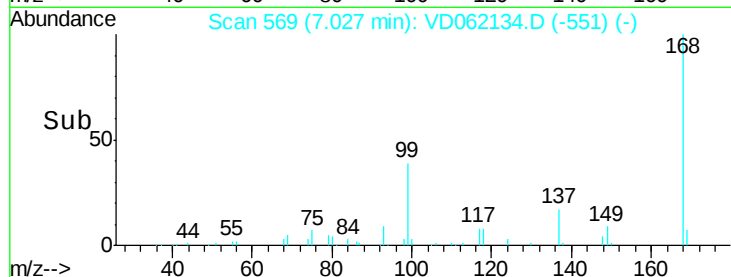
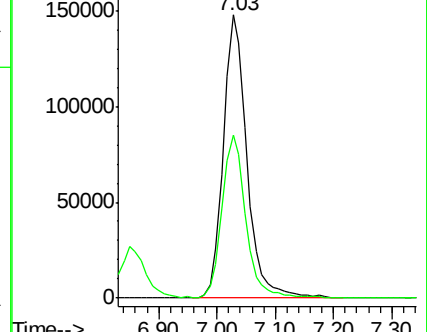
168 100

99 57.4 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: 1.304 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.02 min

Lab File: VD062134.D

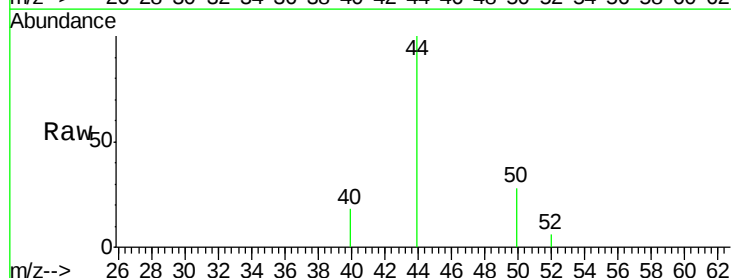
Acq: 6 May 2019 16:55

Tgt Ion: 50 Resp: 4117

Ion Ratio Lower Upper

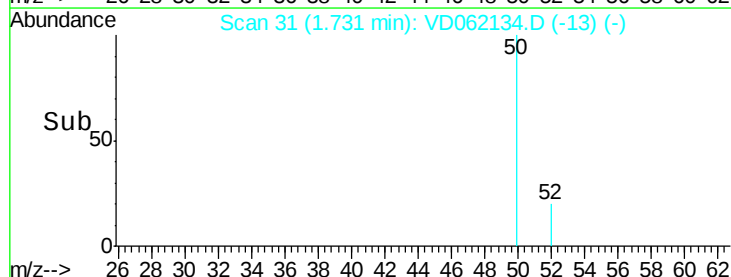
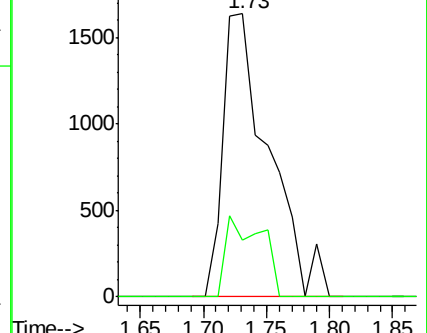
50 100

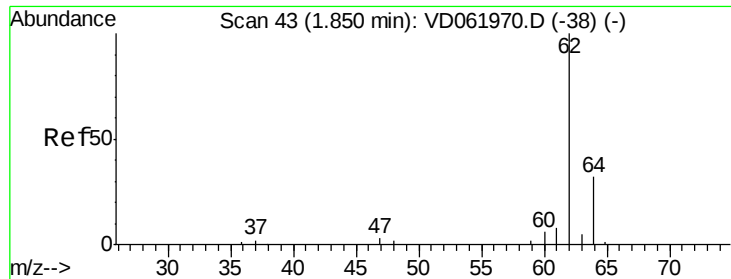
52 19.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 2.009 ug/l

RT: 1.83 min Scan# 41

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleID :

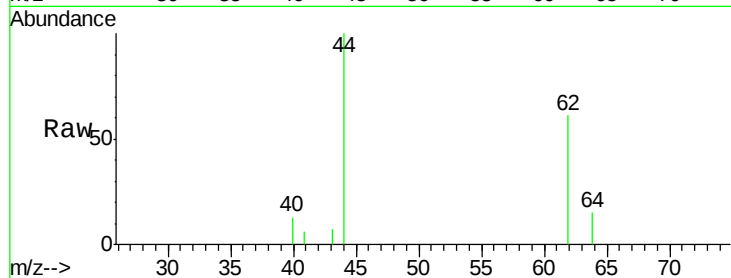
VD0506SBS01

Tot Ion: 62 Resp: 5751

Ion Ratio Lower Upper

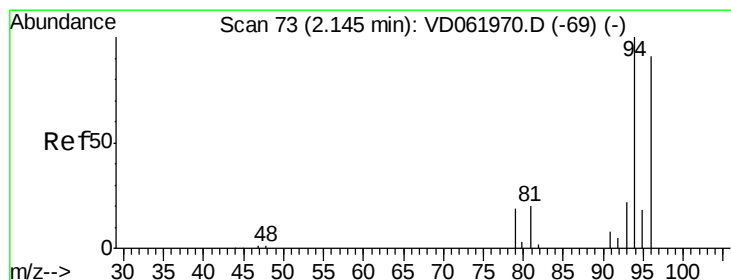
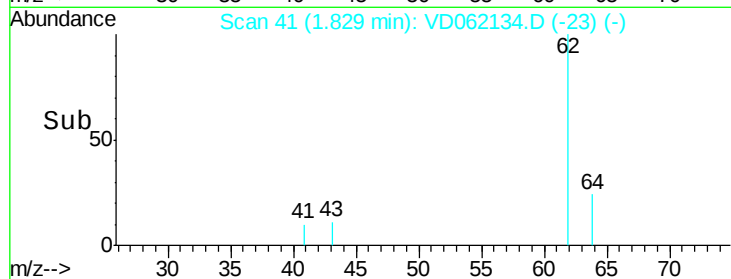
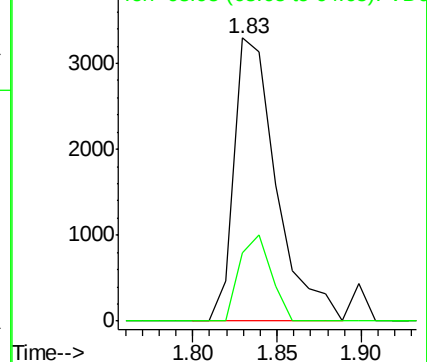
62 100

64 24.3 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: 6.390 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

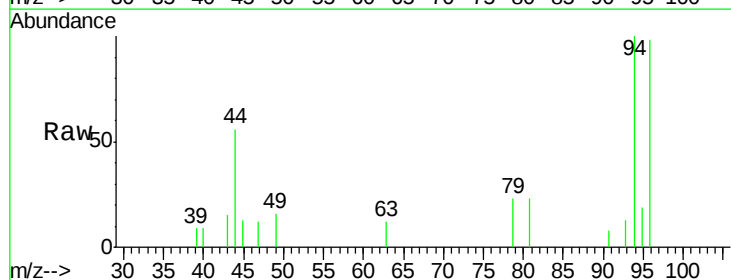
Tgt Ion: 94 Resp: 6016

Ion Ratio Lower Upper

94 100

96 98.1 76.6 115.0

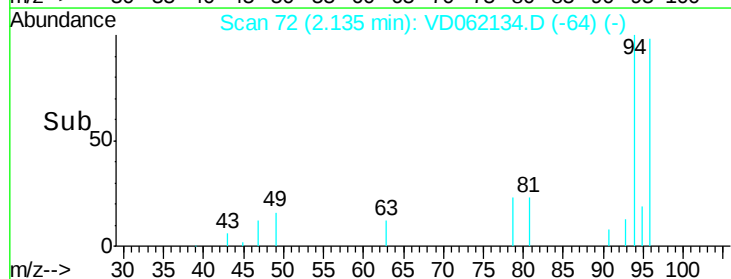
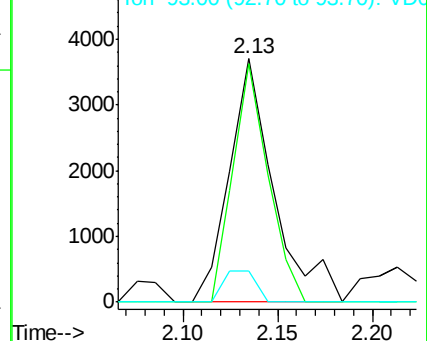
93 13.0 18.5 27.7#

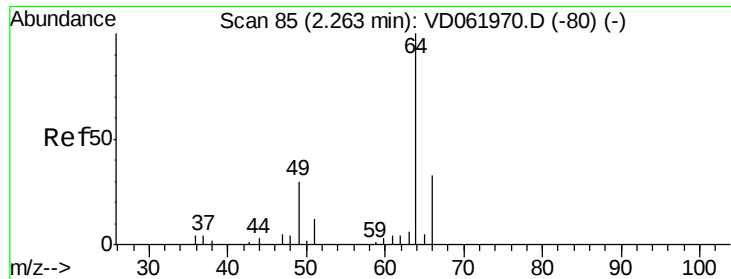


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 5.953 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.03 min

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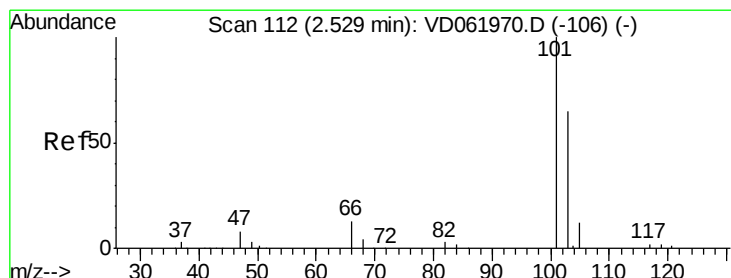
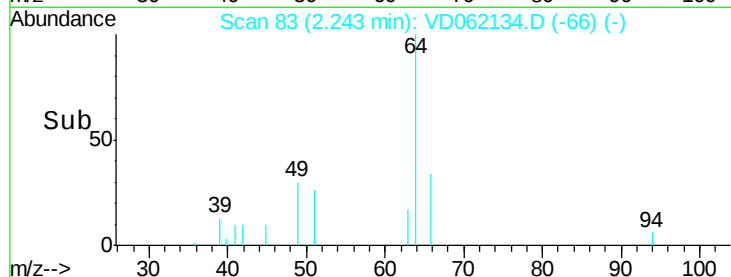
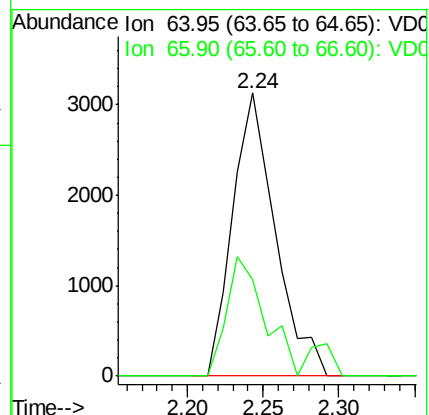
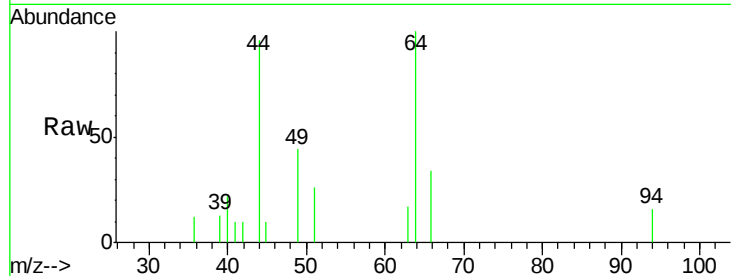
VD0506SBSD01

Tot Ion: 64 Resp: 6159

Ion Ratio Lower Upper

64 100

66 34.3 25.6 38.4



#7

Trichlorofluoromethane

Concen: 11.341 ug/l

RT: 2.51 min Scan# 110

Delta R.T. -0.03 min

Lab File: VD062134.D

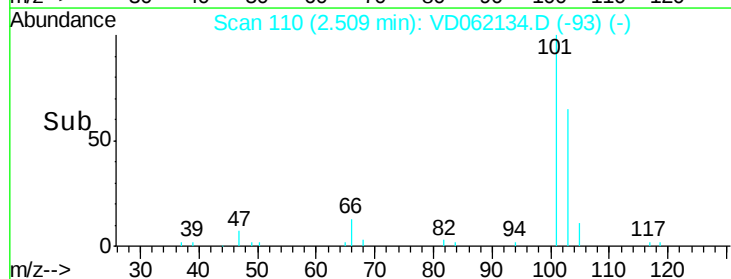
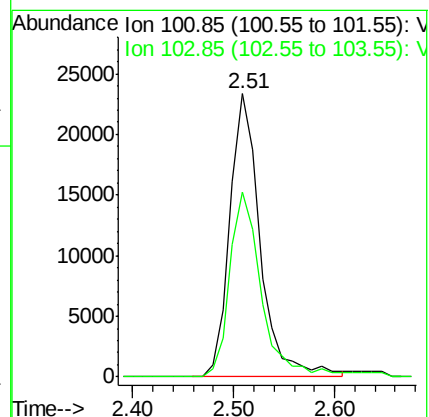
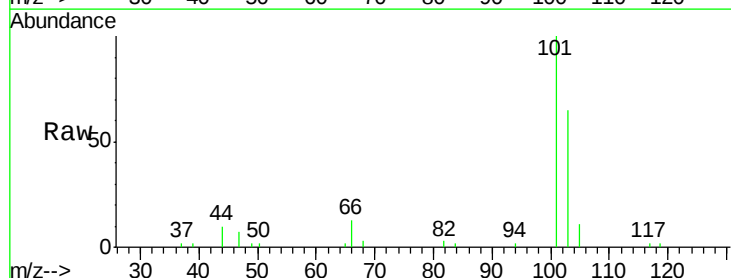
Acq: 6 May 2019 16:55

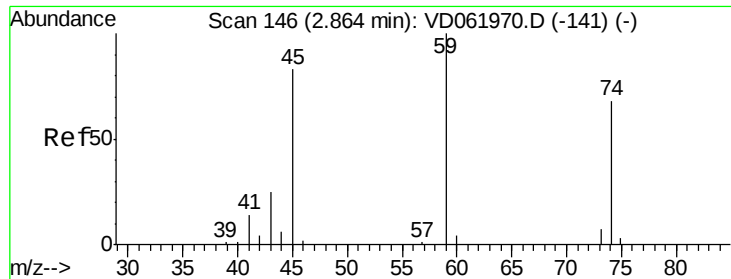
Tgt Ion:101 Resp: 49076

Ion Ratio Lower Upper

101 100

103 65.2 53.6 80.4





#8

Diethyl Ether

Concen: 15.710 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

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ClientSampleId :

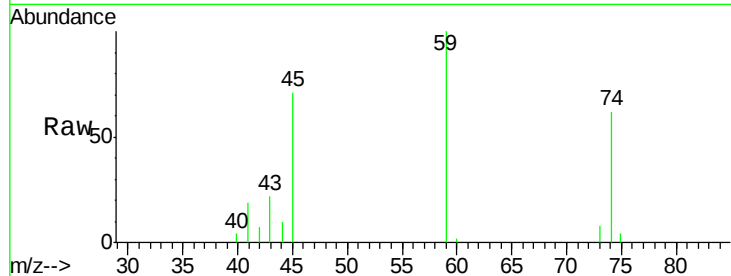
VD0506SBSD01

Tot Ion: 74 Resp: 18220

Ion Ratio Lower Upper

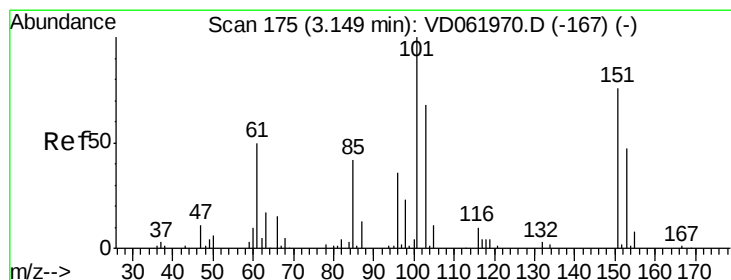
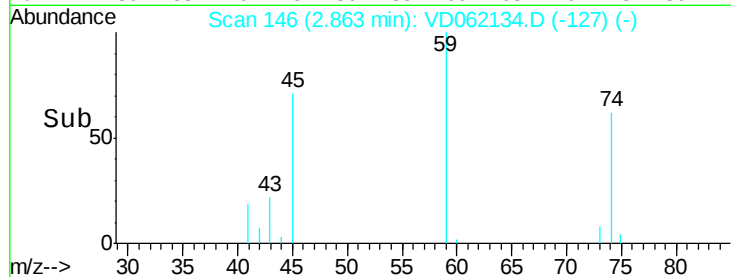
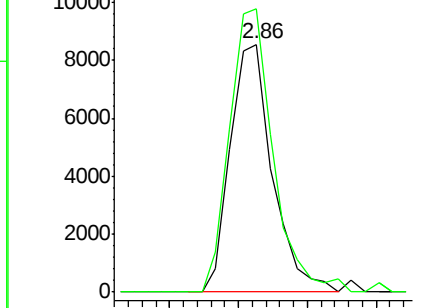
74 100

45 114.1 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: 14.641 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

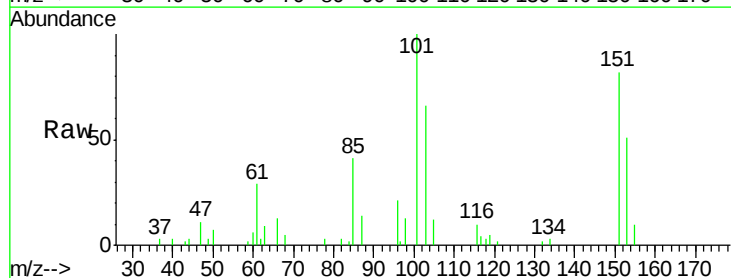
Tgt Ion:101 Resp: 58362

Ion Ratio Lower Upper

101 100

85 41.1 32.4 48.6

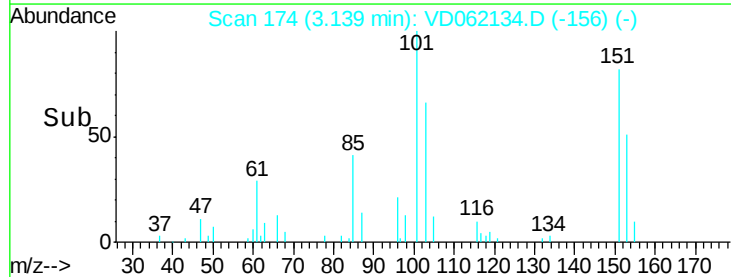
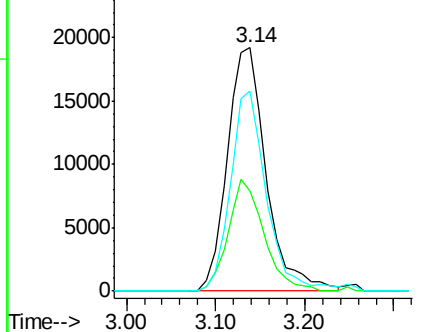
151 82.1 59.4 89.0

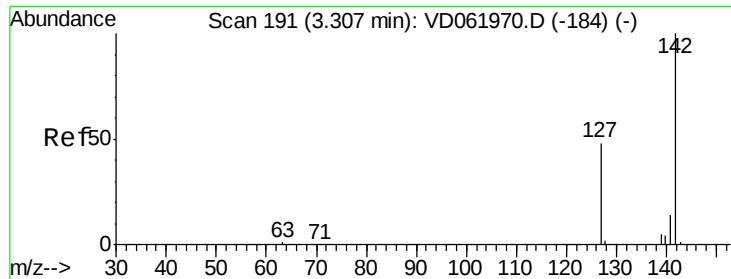


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

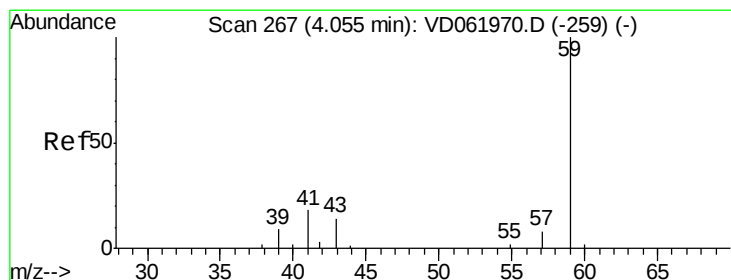
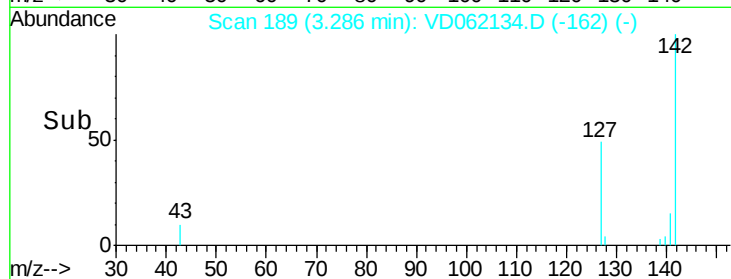
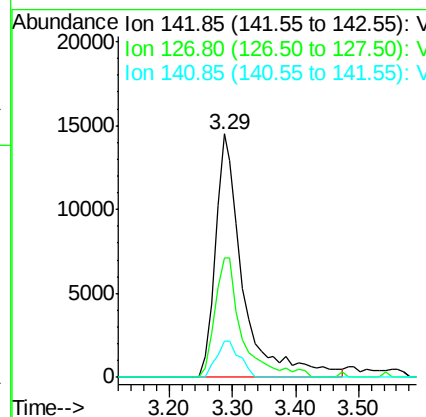
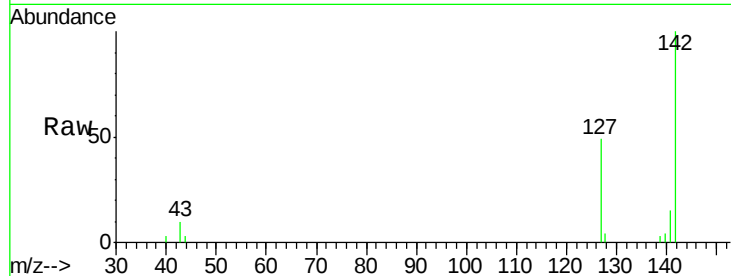




#10
Methvl Iodide
Concen: 11.923 ug/l
RT: 3.29 min Scan# 189
Delta R.T. -0.03 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

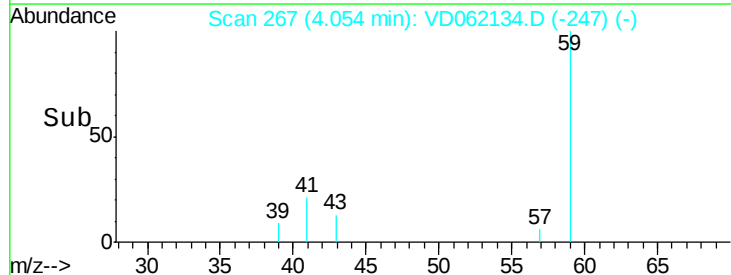
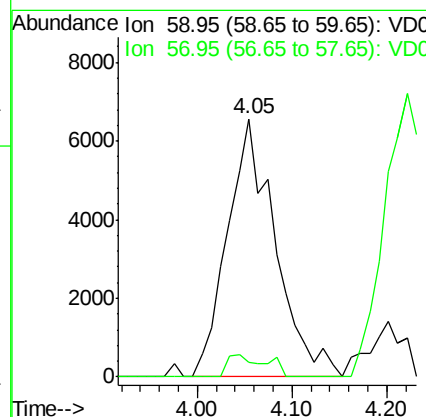
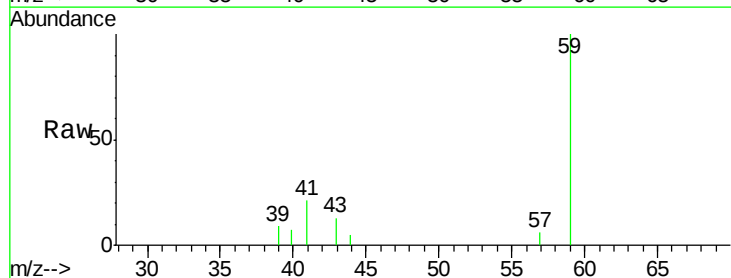
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

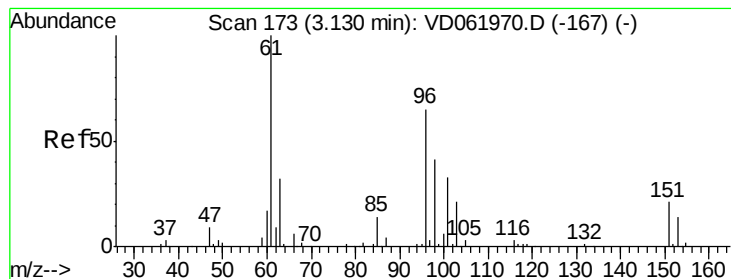
Tot Ion:142 Resp: 44244
Ion Ratio Lower Upper
142 100
127 49.1 38.8 58.2
141 15.1 11.4 17.0



#11
Tert butyl alcohol
Concen: 125.054 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 59 Resp: 23008
Ion Ratio Lower Upper
59 100
57 5.6 6.9 10.3#





#12

1,1-Dichloroethene

Concen: 12.135 ug/l

RT: 3.11 min Scan# 171

Delta R.T. -0.03 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

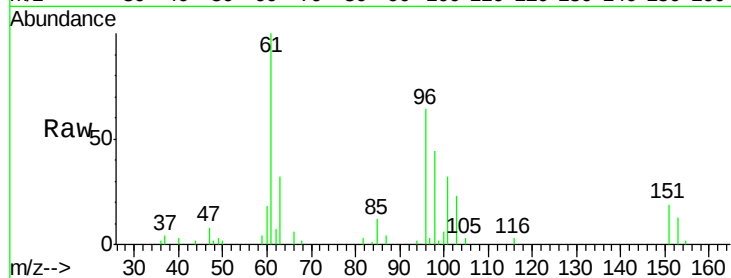
Tot Ion: 96 Resp: 41155

Ion Ratio Lower Upper

96 100

61 157.2 129.8 194.8

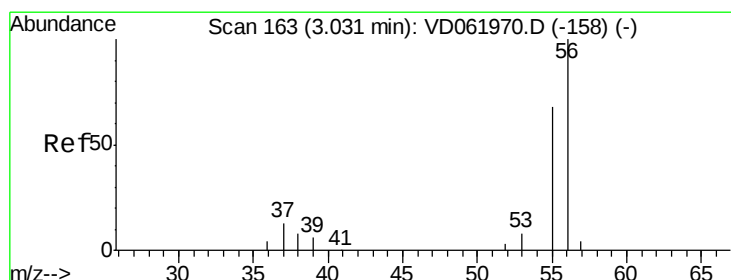
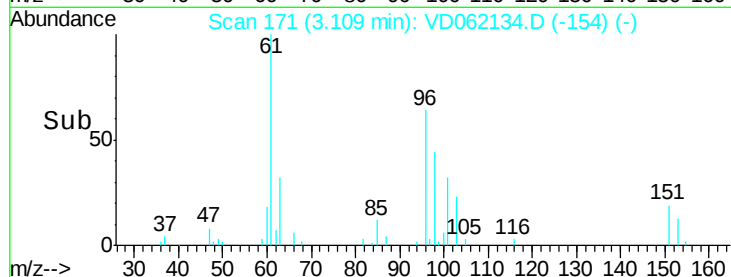
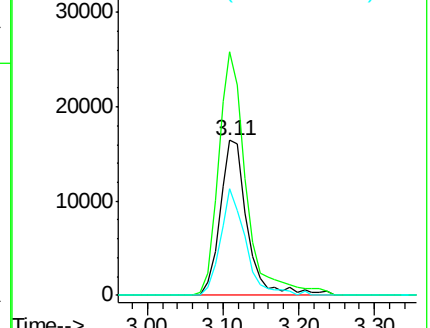
98 68.9 51.2 76.8



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: 80.017 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD062134.D

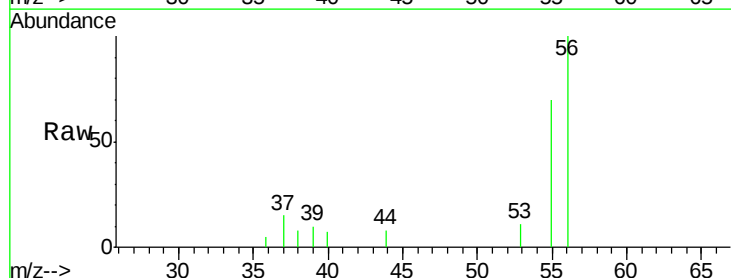
Acq: 6 May 2019 16:55

Tgt Ion: 56 Resp: 15275

Ion Ratio Lower Upper

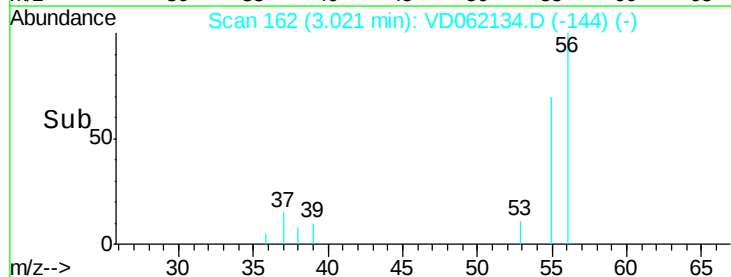
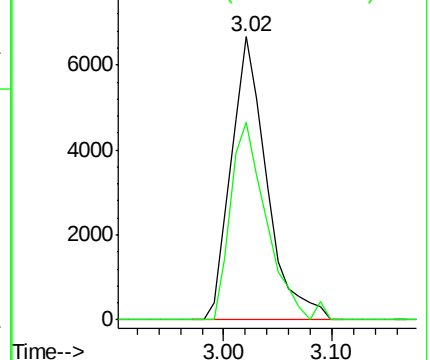
56 100

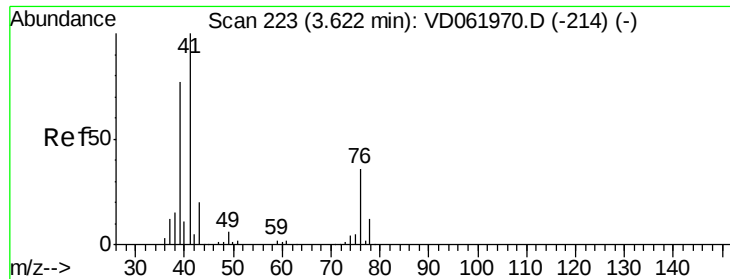
55 69.9 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

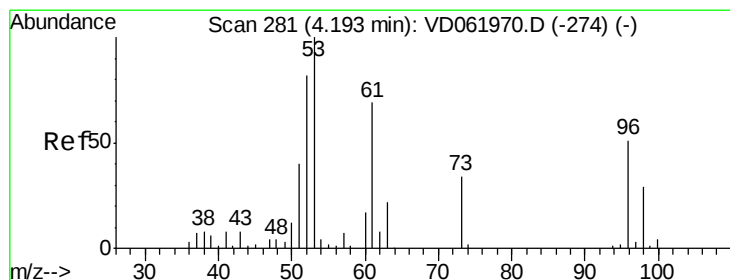
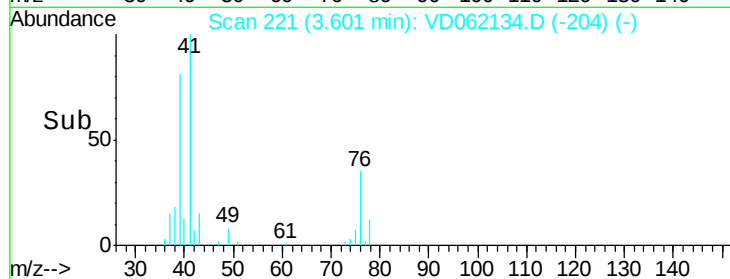
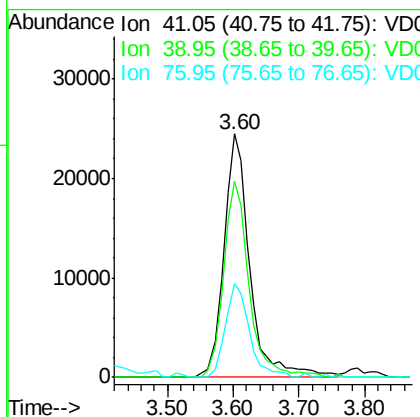
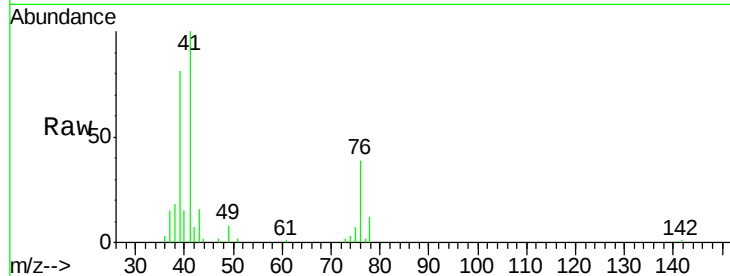




#14
Allvl chloride
Concen: 14.492 ug/l
RT: 3.60 min Scan# 221
Delta R.T. -0.03 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

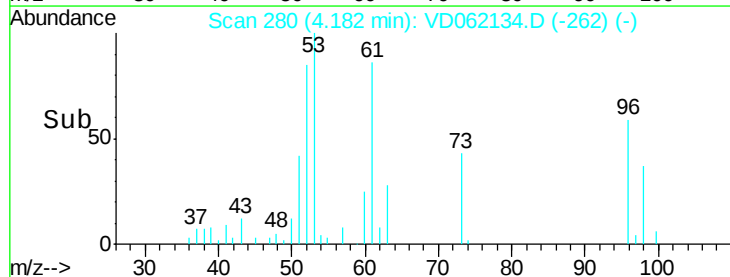
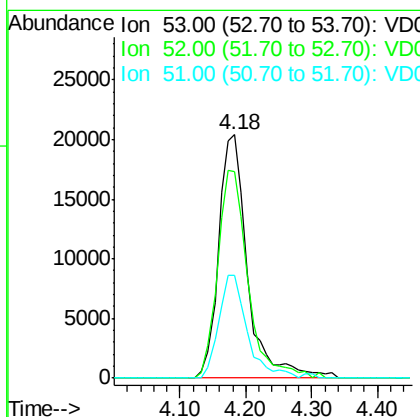
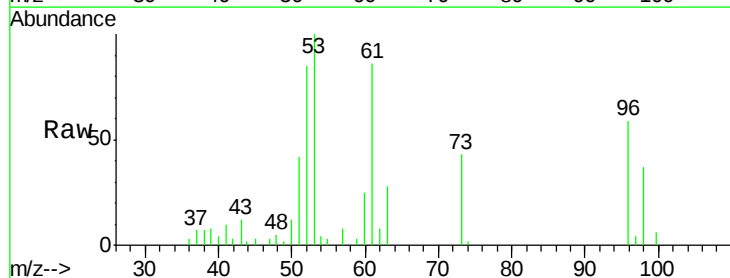
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

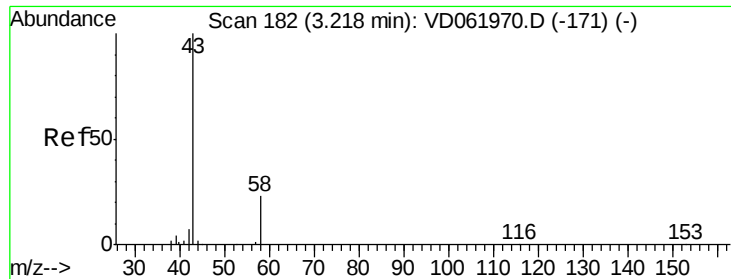
Tot Ion: 41 Resp: 67113
Ion Ratio Lower Upper
41 100
39 80.8 60.5 90.7
76 38.5 31.8 47.8



#15
Acrylonitrile
Concen: 109.593 ug/l
RT: 4.18 min Scan# 280
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 53 Resp: 62437
Ion Ratio Lower Upper
53 100
52 85.0 65.0 97.4
51 42.0 32.6 48.8





#16

Acetone

Concen: 113.658 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

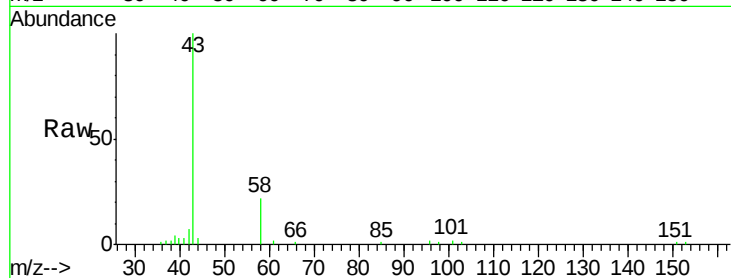
VD0506SBS01

Tot Ion: 43 Resp: 88371

Ion Ratio Lower Upper

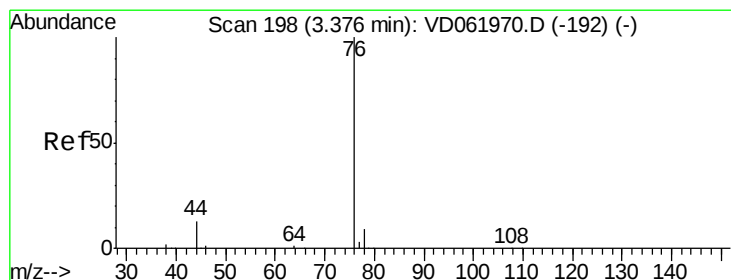
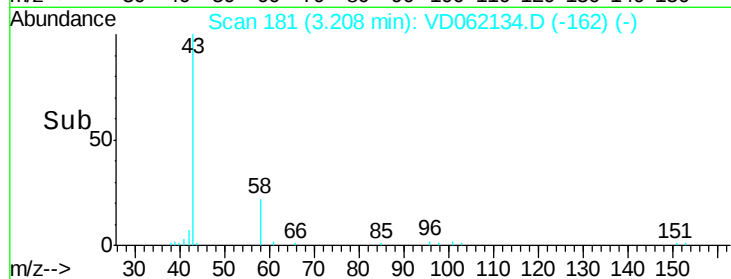
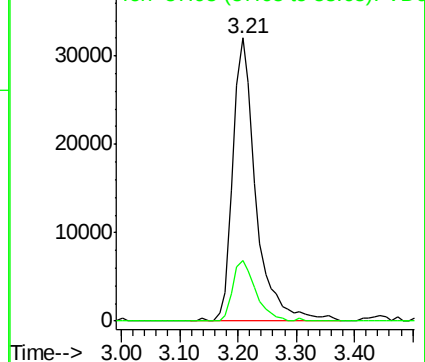
43 100

58 21.5 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: 5.388 ug/l

RT: 3.36 min Scan# 196

Delta R.T. -0.03 min

Lab File: VD062134.D

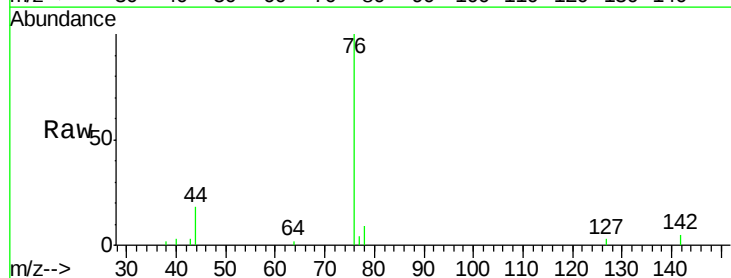
Acq: 6 May 2019 16:55

Tgt Ion: 76 Resp: 52800

Ion Ratio Lower Upper

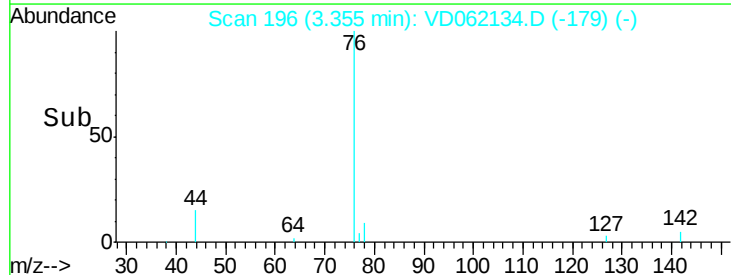
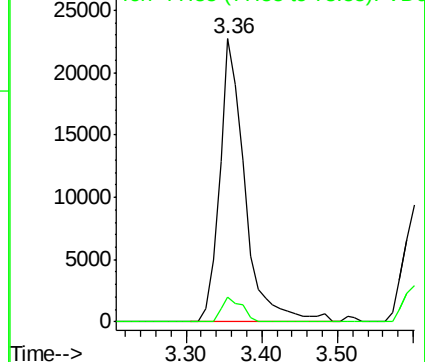
76 100

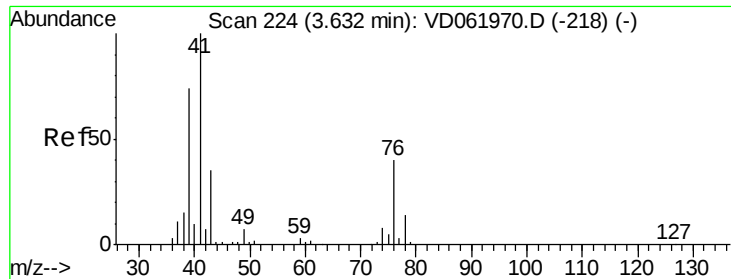
78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

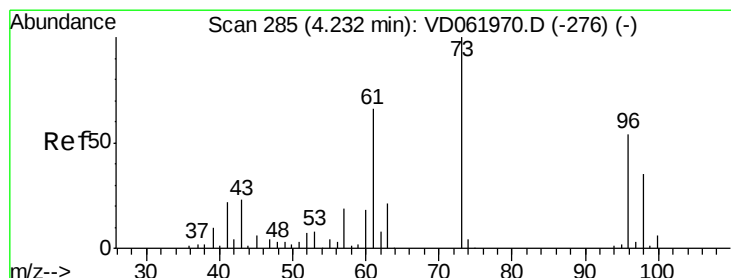
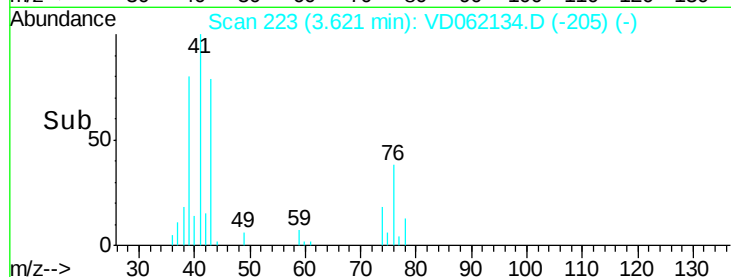
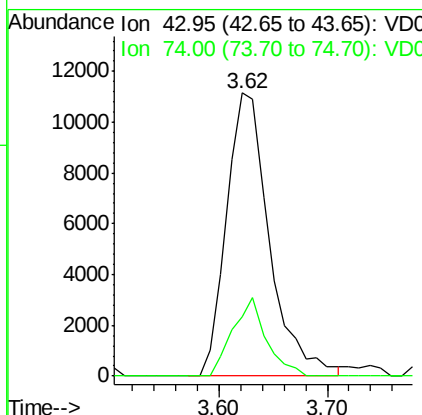
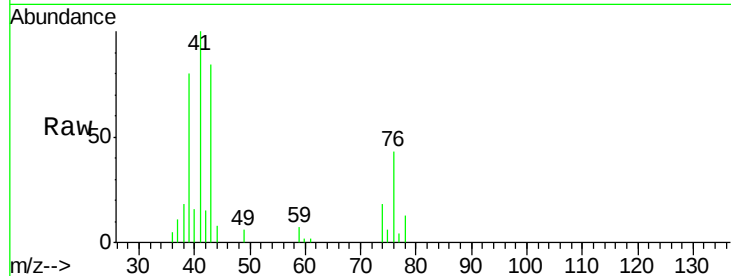




#18
Methyl Acetate
Concen: 20.502 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

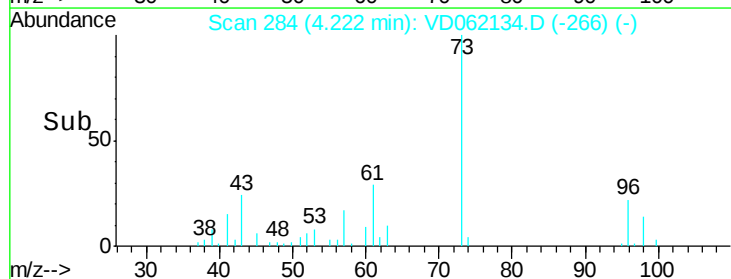
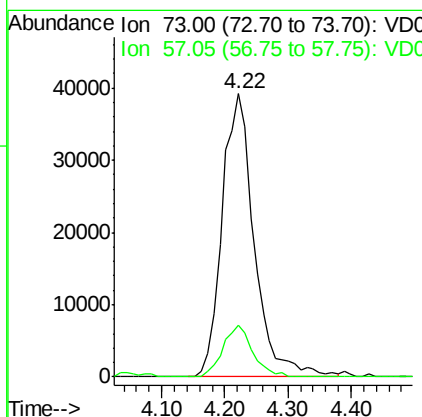
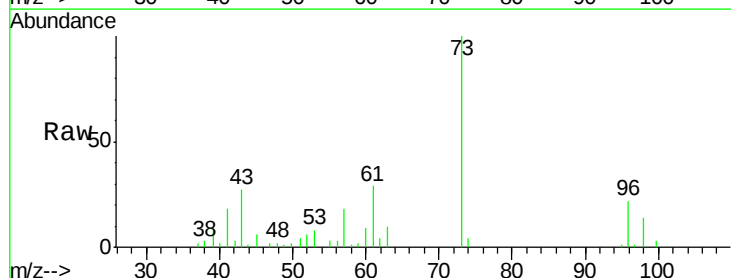
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

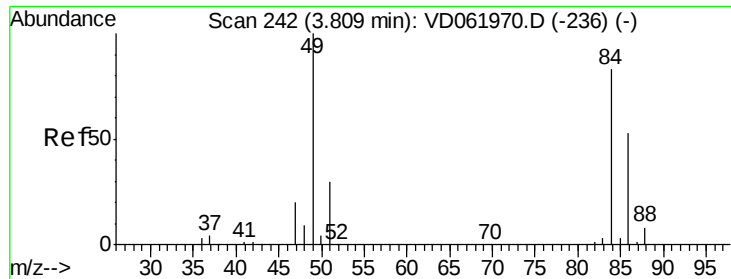
Tot Ion: 43 Resp: 30709
Ion Ratio Lower Upper
43 100
74 21.0 18.0 27.0



#19
Methyl tert-butyl Ether
Concen: 20.594 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 73 Resp: 138576
Ion Ratio Lower Upper
73 100
57 18.4 16.3 24.5

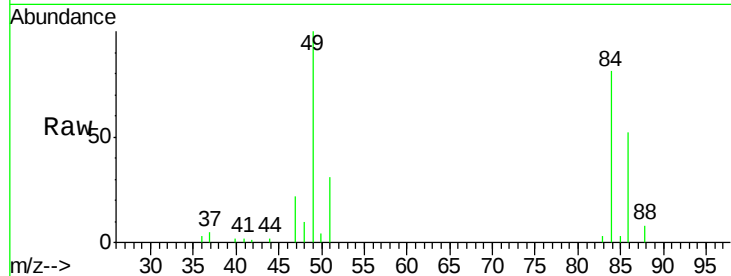




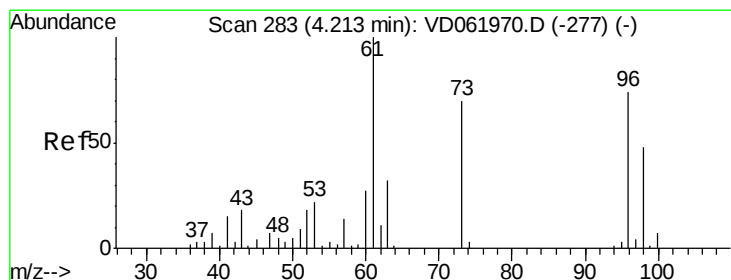
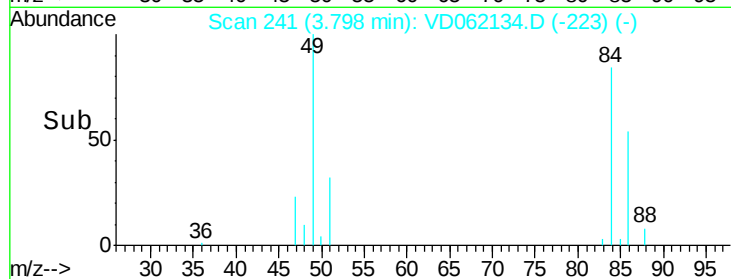
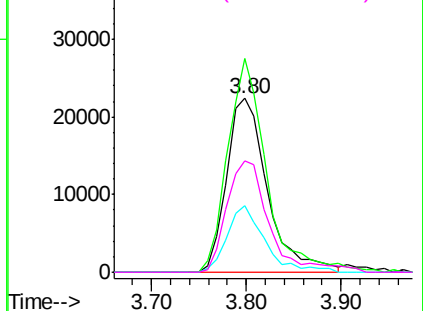
#20
Methylene Chloride
Concen: 15.463 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 84 Resp: 66866
Ion Ratio Lower Upper
84 100
49 122.8 94.0 141.0
51 38.1 29.0 43.4
86 64.3 49.8 74.6

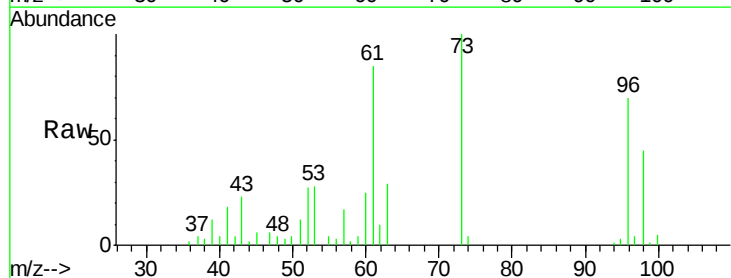


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

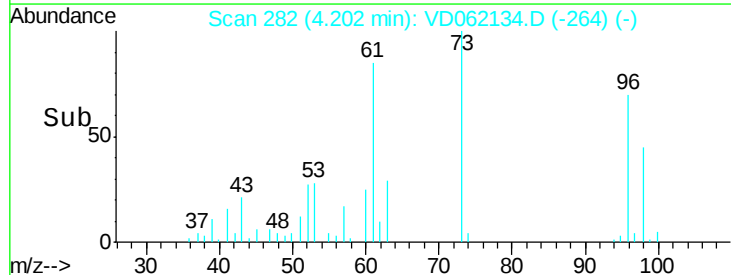
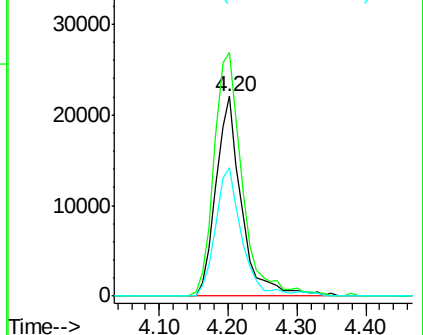


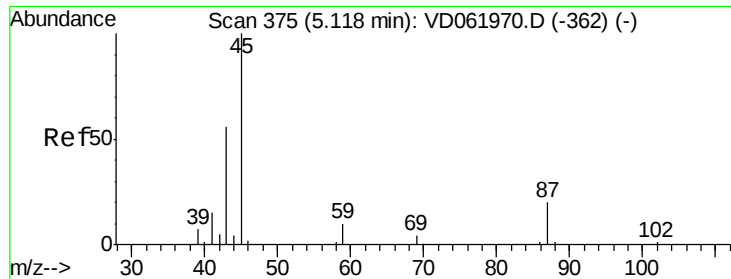
#21
trans-1,2-Dichloroethene
Concen: 14.630 ug/l
RT: 4.20 min Scan# 282
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 96 Resp: 56916
Ion Ratio Lower Upper
96 100
61 122.0 104.4 156.6
98 64.2 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

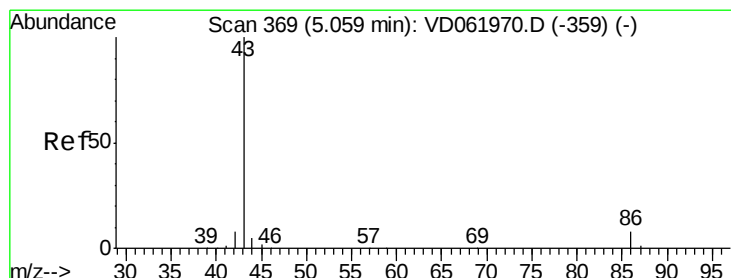
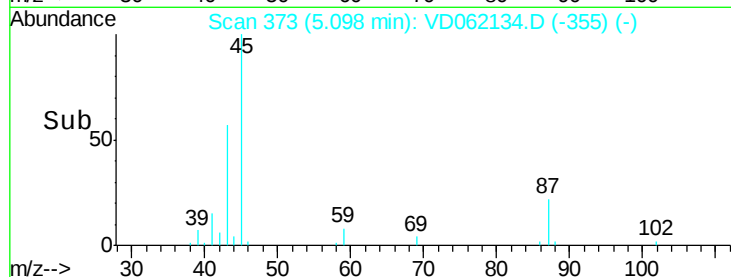
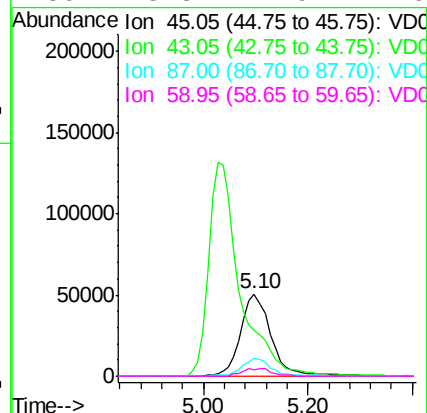
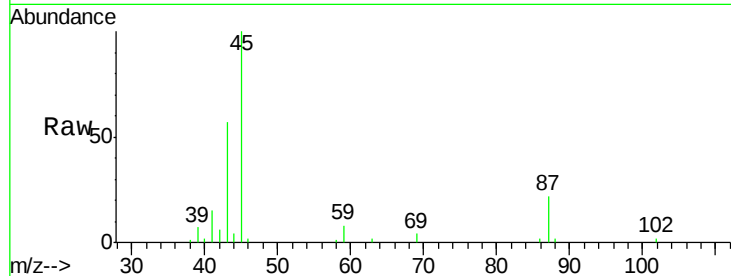




#22
Diisopropyl ether
Concen: 18.440 ug/l
RT: 5.10 min Scan# 373
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

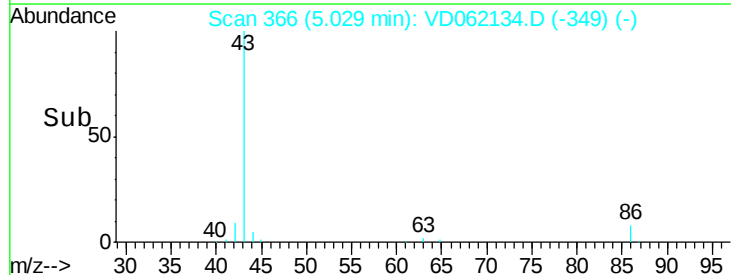
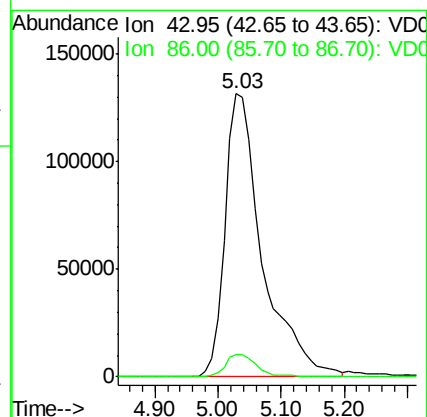
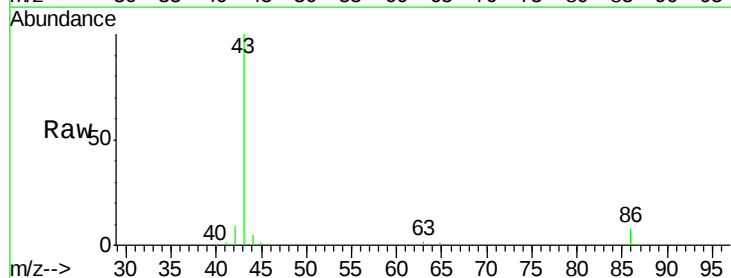
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

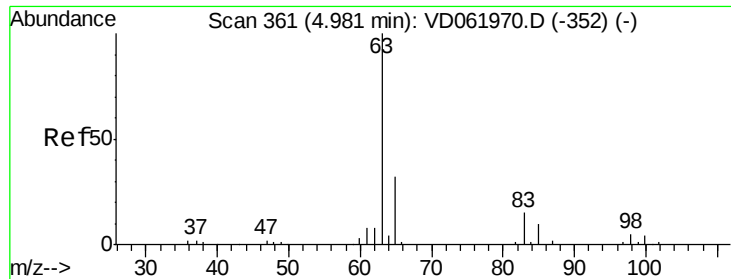
Tot Ion:	45	Resp:	199366
Ion	Ratio	Lower	Upper
45	100		
43	56.7	46.2	69.2
87	22.4	15.9	23.9
59	8.3	7.9	11.9



#23
Vinyl Acetate
Concen: 96.118 ug/l
RT: 5.03 min Scan# 366
Delta R.T. -0.03 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion:	43	Resp:	541190
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.4	9.6

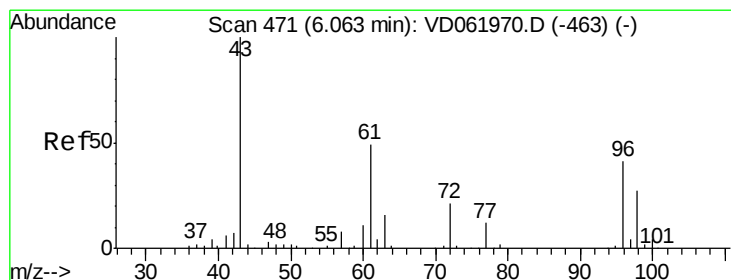
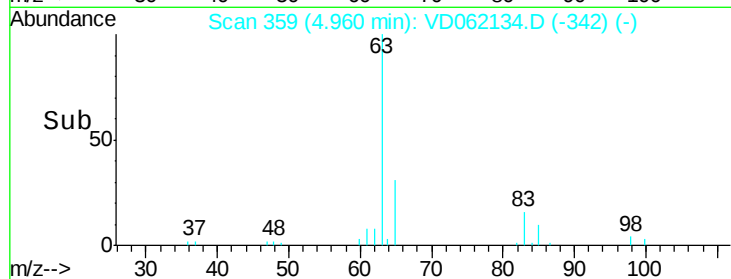
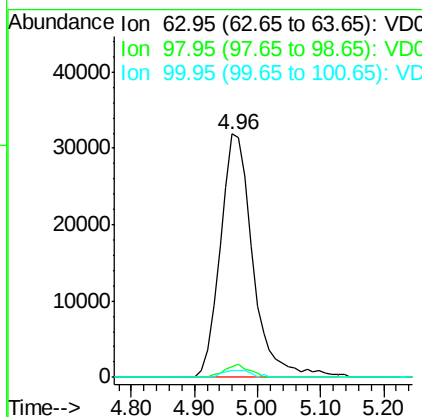
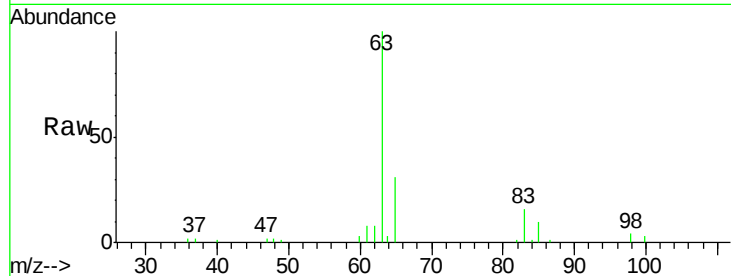




#24
 1,1-Dichloroethane
 Concen: 17.439 ug/l
 RT: 4.96 min Scan# 359
 Delta R.T. -0.03 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

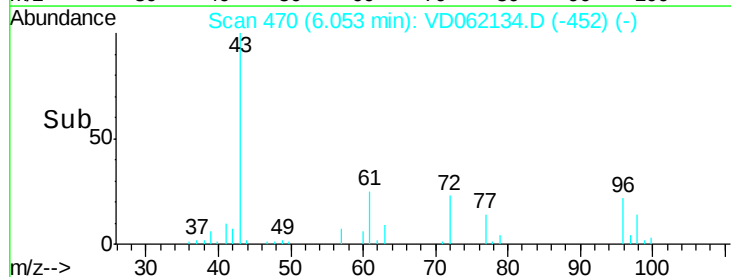
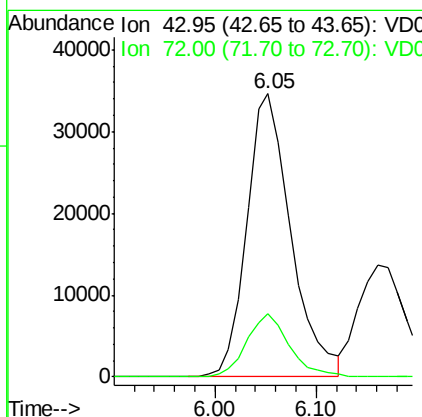
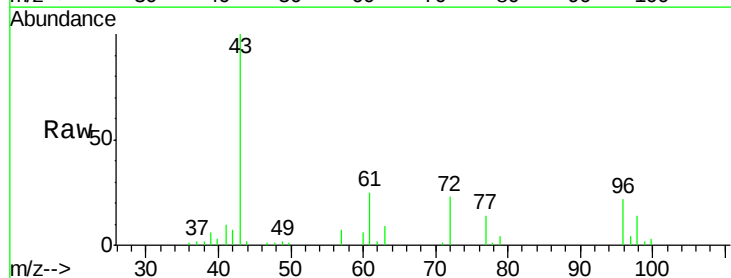
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

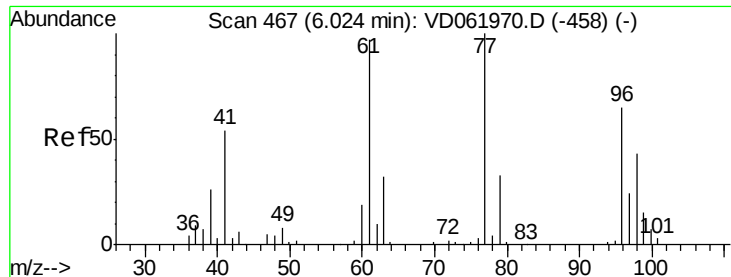
Tot Ion: 63 Resp: 113962
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.8 8.4
 100 3.0 1.8 5.5



#25
 2-Butanone
 Concen: 111.776 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion: 43 Resp: 105369
 Ion Ratio Lower Upper
 43 100
 72 22.5 16.2 24.4





#26

2,2-Dichloropropane

Concen: 20.087 ug/l

RT: 6.00 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

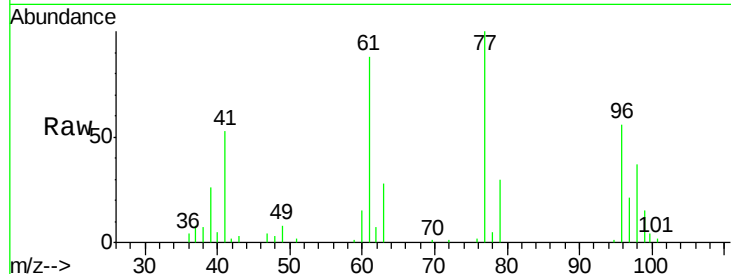
VD0506SBSD01

Tot Ion: 77 Resp: 114512

Ion Ratio Lower Upper

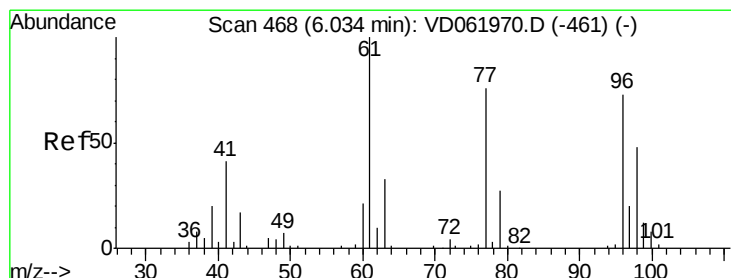
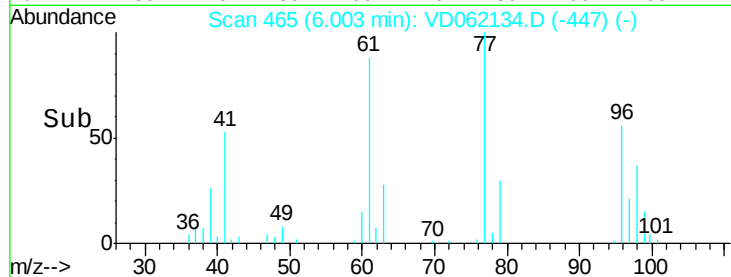
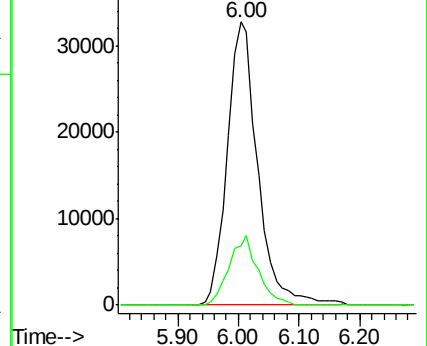
77 100

97 21.1 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: 18.422 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

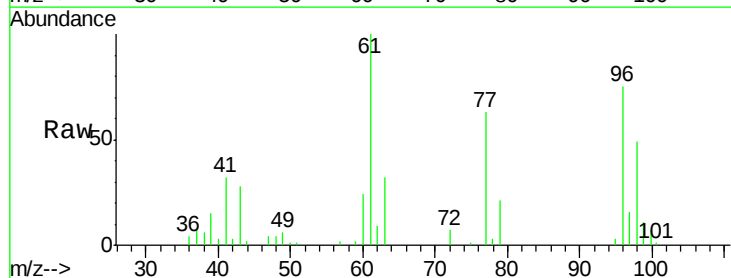
Tgt Ion: 96 Resp: 81534

Ion Ratio Lower Upper

96 100

61 132.6 0.0 279.8

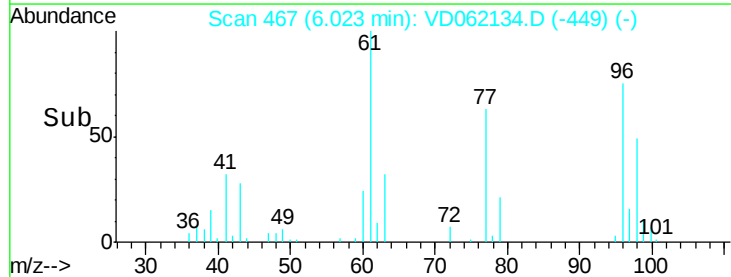
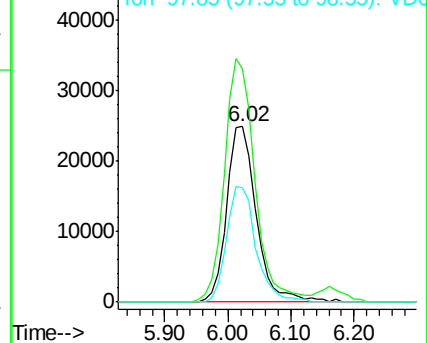
98 65.1 0.0 136.0

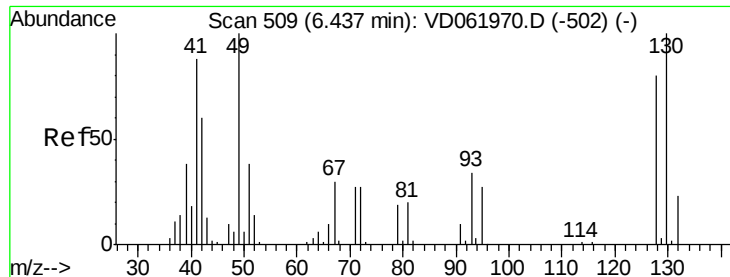


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

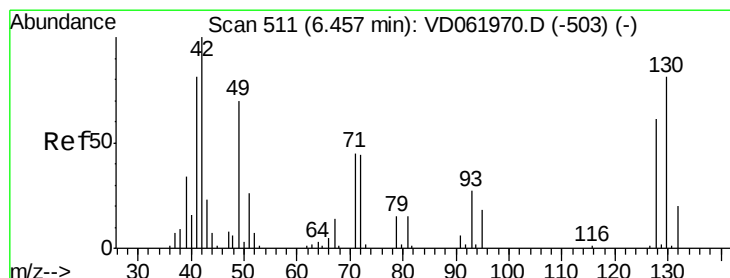
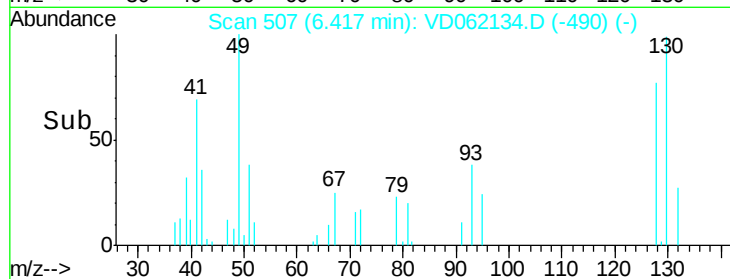
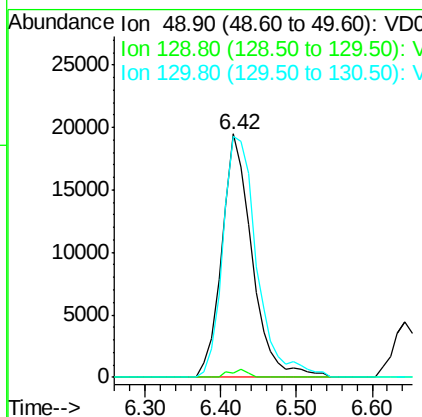
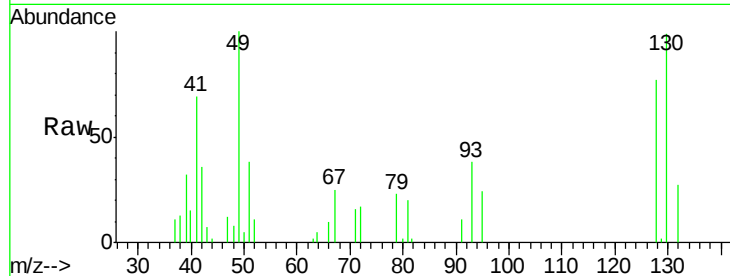




#28
 Bromochloromethane
 Concen: 21.541 ug/l
 RT: 6.42 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

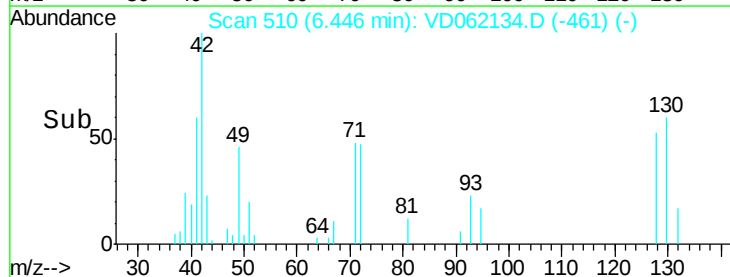
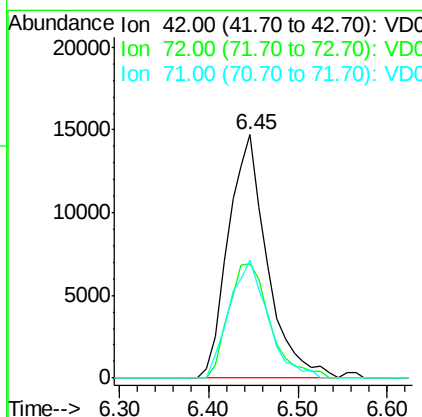
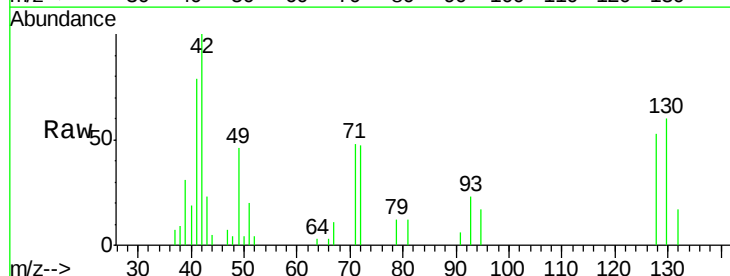
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

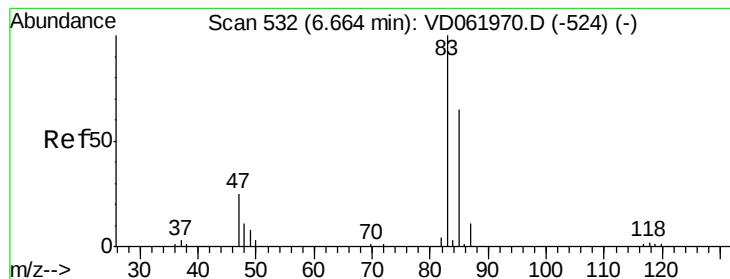
Tot Ion: 49 Resp: 53860
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 6.6
 130 98.9 86.7 130.1



#29
 Tetrahydrofuran
 Concen: 96.382 ug/l
 RT: 6.45 min Scan# 510
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion: 42 Resp: 44768
 Ion Ratio Lower Upper
 42 100
 72 50.1 37.8 56.6
 71 48.3 36.7 55.1





#30

Chloroform

Concen: 20.405 ug/l

RT: 6.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

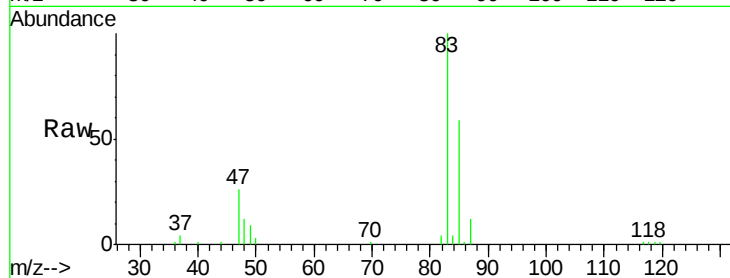
VD0506SBSD01

Tot Ion: 83 Resp: 151456

Ion Ratio Lower Upper

83 100

85 58.6 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

6.64

50000

40000

30000

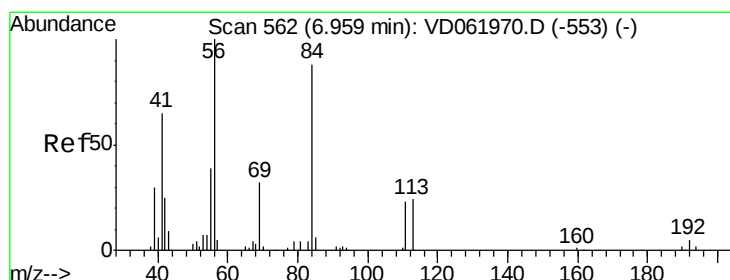
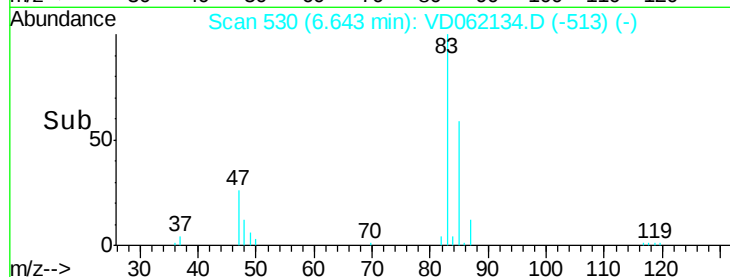
20000

10000

0

6.50 6.60 6.70 6.80

Time-->



#31

Cyclohexane

Concen: 12.368 ug/l

RT: 6.94 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

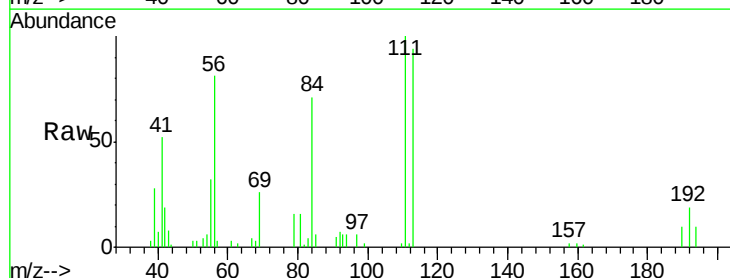
Tgt Ion: 56 Resp: 59991

Ion Ratio Lower Upper

56 100

69 32.3 25.8 38.6

84 87.5 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

6.94

25000

20000

15000

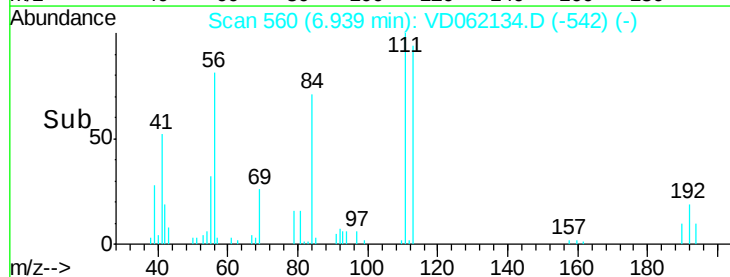
10000

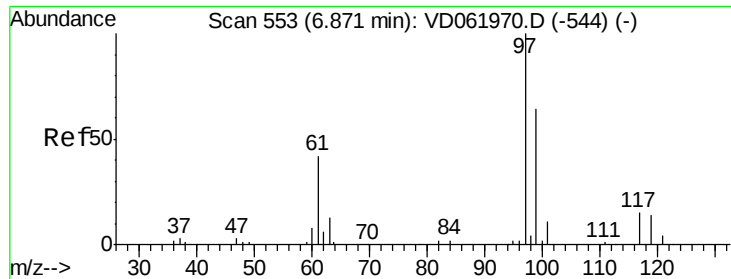
5000

0

6.85 6.90 6.95 7.00

Time-->





#32

1,1,1-Trichloroethane

Concen: 19.116 ug/l

RT: 6.85 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

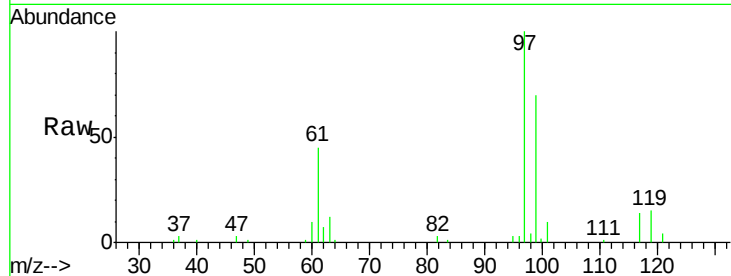
Tot Ion: 97 Resp: 123456

Ion Ratio Lower Upper

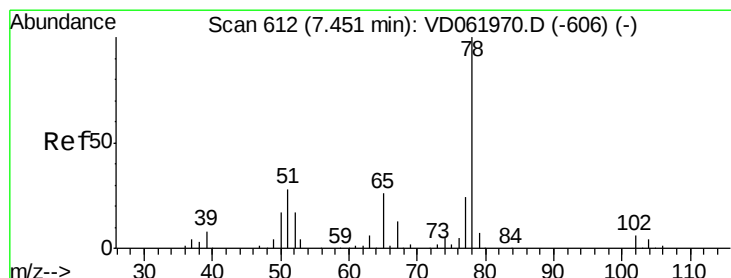
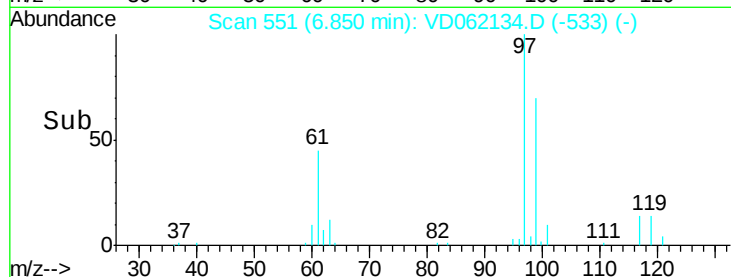
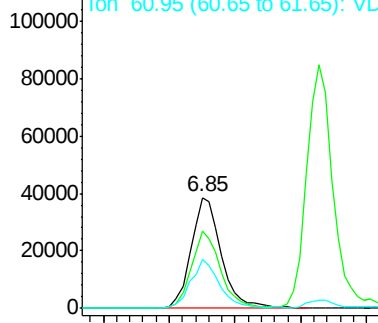
97 100

99 69.7 52.2 78.2

61 44.6 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: 53.817 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD062134.D

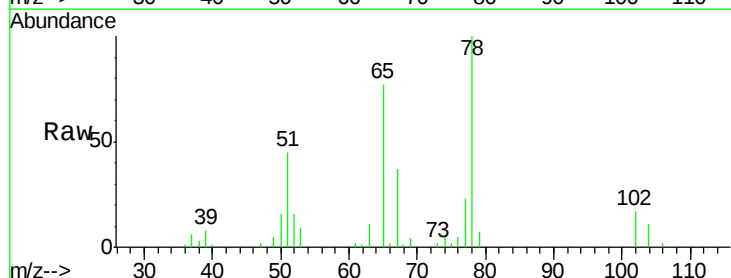
Acq: 6 May 2019 16:55

Tgt Ion: 65 Resp: 175246

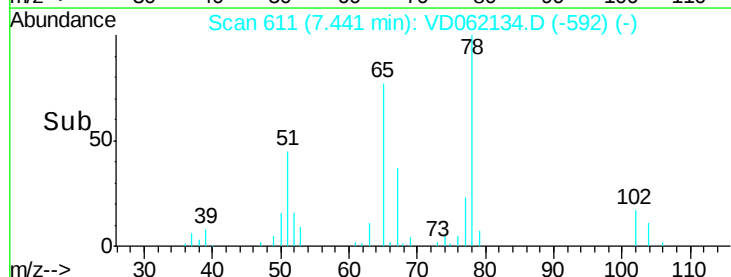
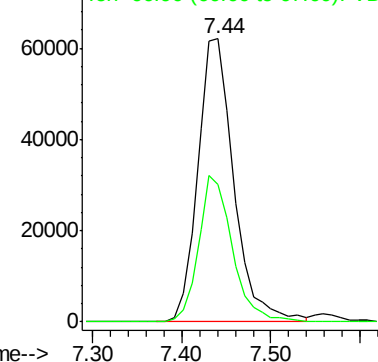
Ion Ratio Lower Upper

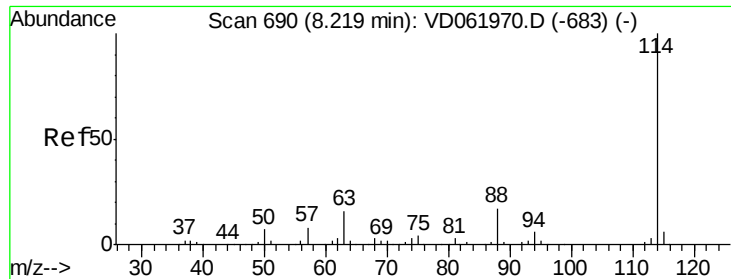
65 100

67 48.4 0.0 98.0



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

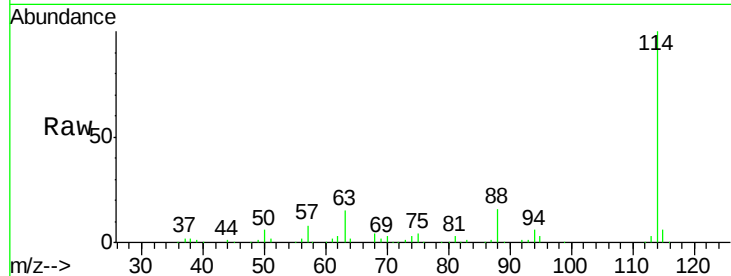




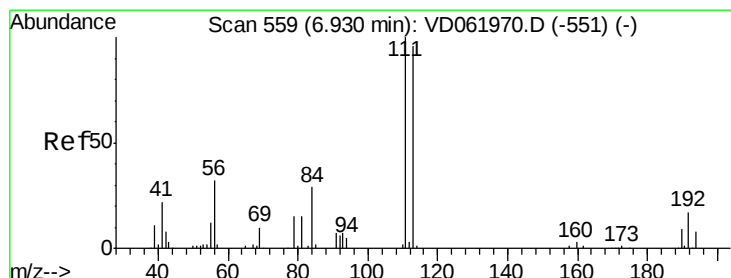
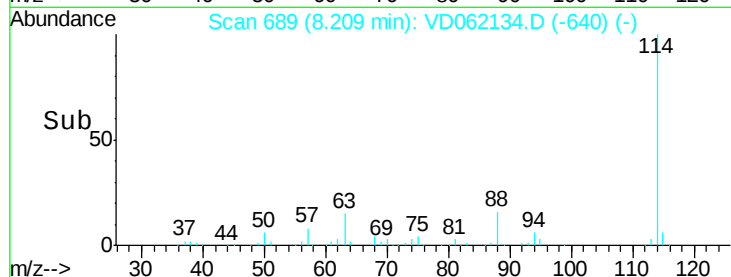
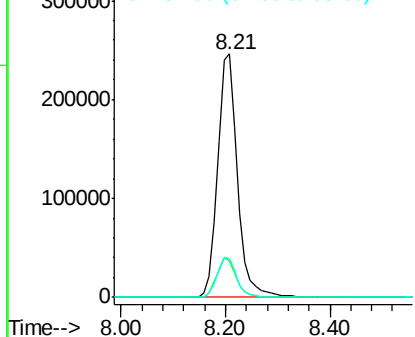
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

Tot Ion:114 Resp: 646685
 Ion Ratio Lower Upper
 114 100
 63 14.6 0.0 32.4
 88 16.2 0.0 33.6

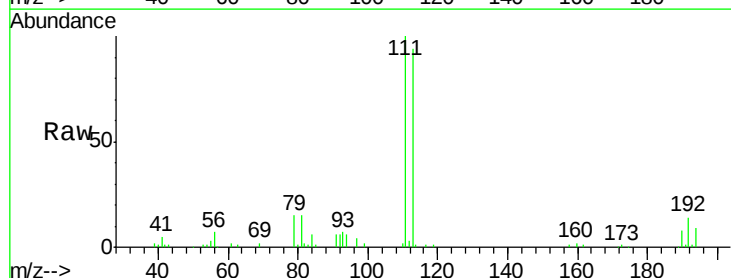


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

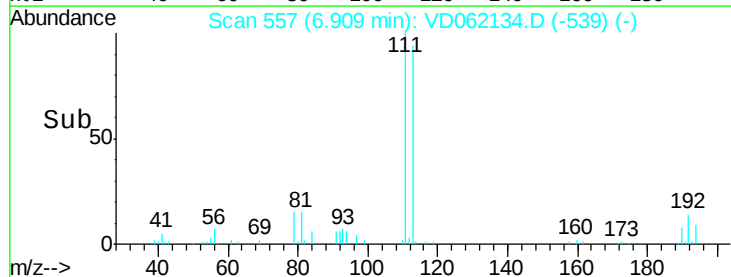
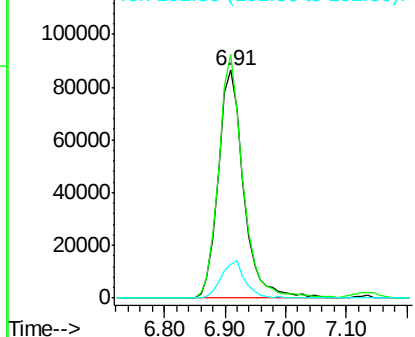


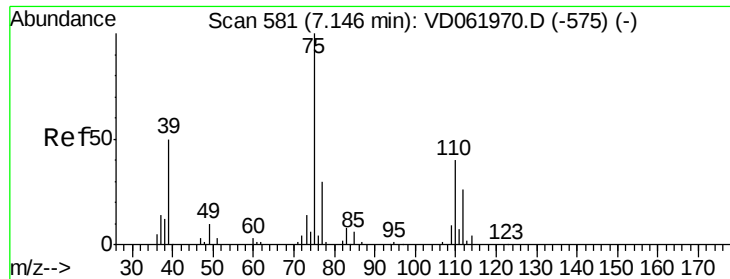
#35
 Dibromofluoromethane
 Concen: 56.370 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion:113 Resp: 252111
 Ion Ratio Lower Upper
 113 100
 111 106.7 78.5 117.7
 192 15.0 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

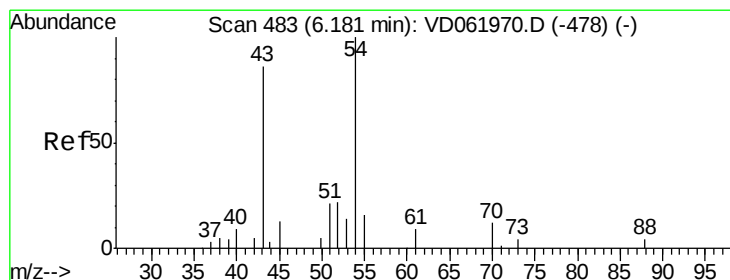
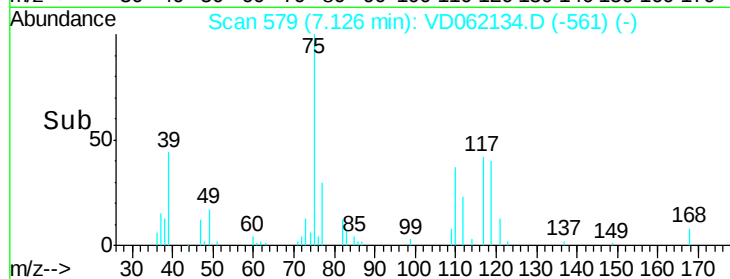
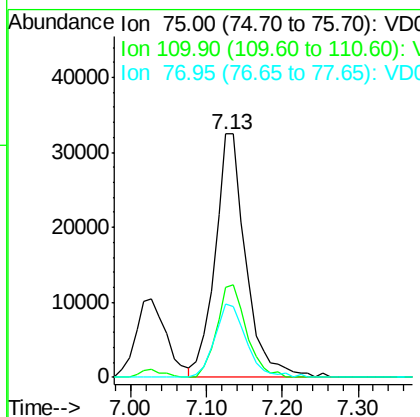
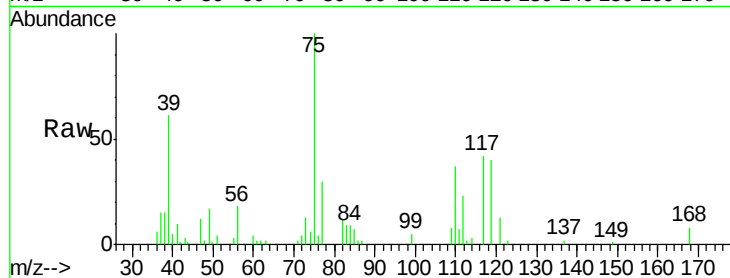




#36
 1,1-Dichloropropene
 Concen: 18.275 ug/l
 RT: 7.13 min Scan# 579
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

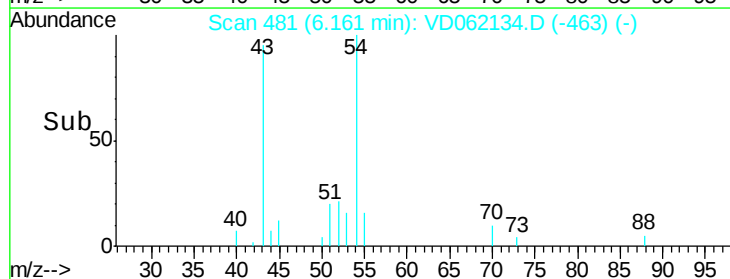
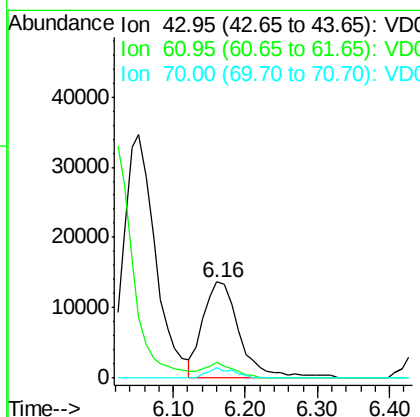
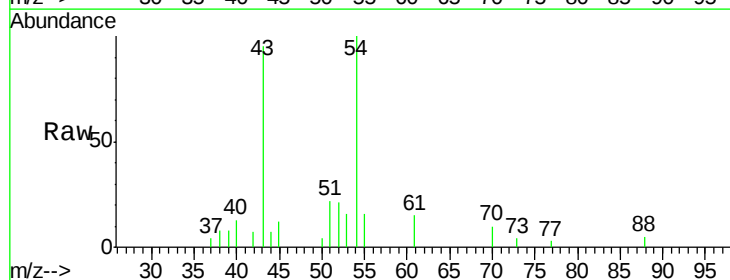
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

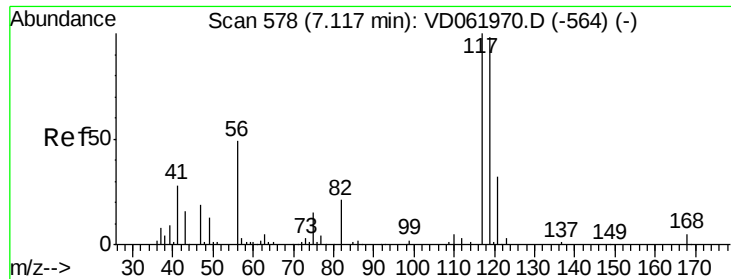
Tot Ion: 75 Resp: 92074
 Ion Ratio Lower Upper
 75 100
 110 37.1 19.1 57.1
 77 30.2 25.6 38.4



#37
 Ethyl Acetate
 Concen: 22.472 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion: 43 Resp: 48247
 Ion Ratio Lower Upper
 43 100
 61 15.8 14.7 22.1
 70 10.7 7.8 11.6





#38

Carbon Tetrachloride

Concen: 19.061 ug/l

RT: 7.10 min Scan# 576

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

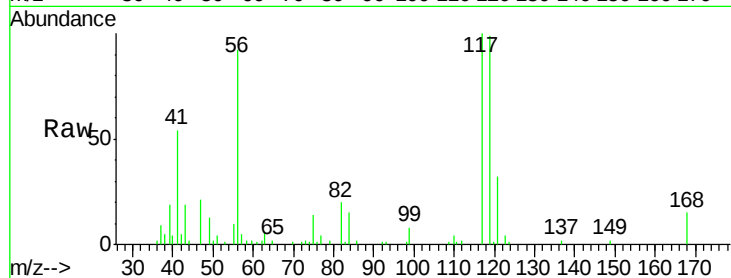
Tot Ion:117 Resp: 121692

Ion Ratio Lower Upper

117 100

119 98.7 75.8 113.8

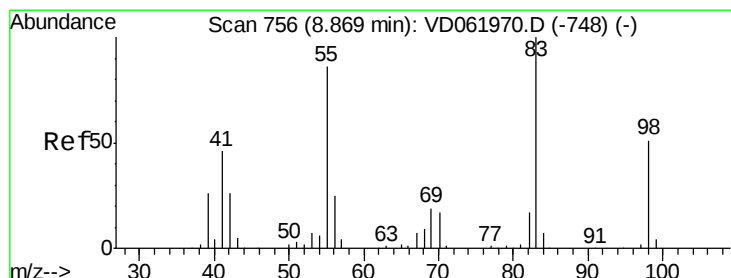
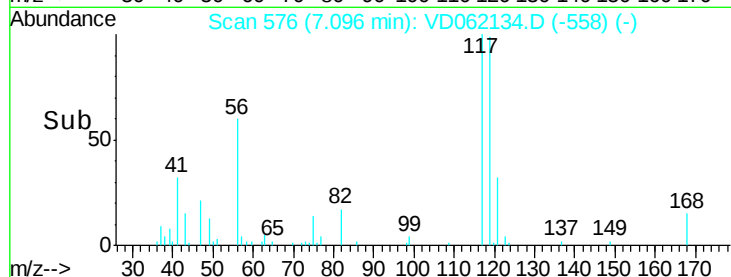
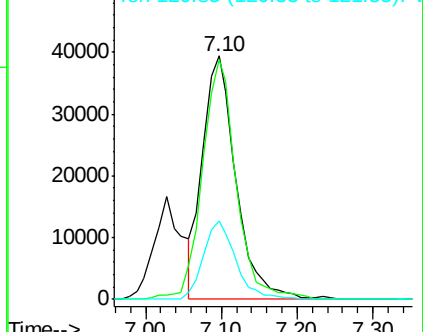
121 32.2 25.9 38.9



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: 15.112 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

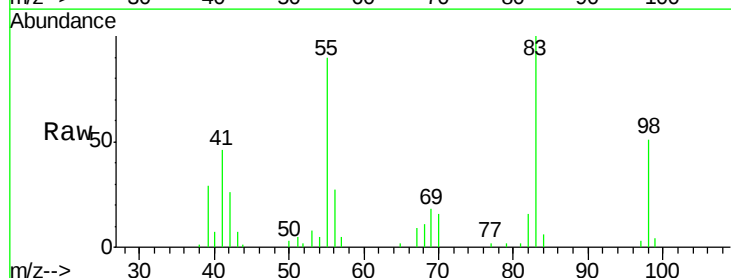
Tgt Ion: 83 Resp: 75122

Ion Ratio Lower Upper

83 100

55 90.3 68.2 102.4

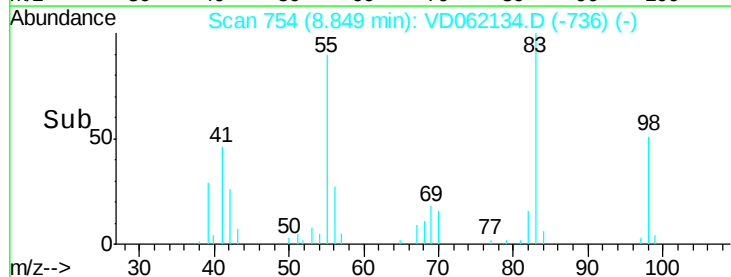
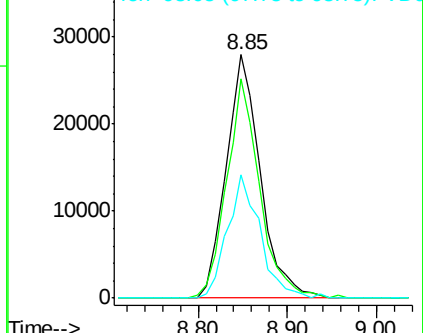
98 50.8 38.2 57.4

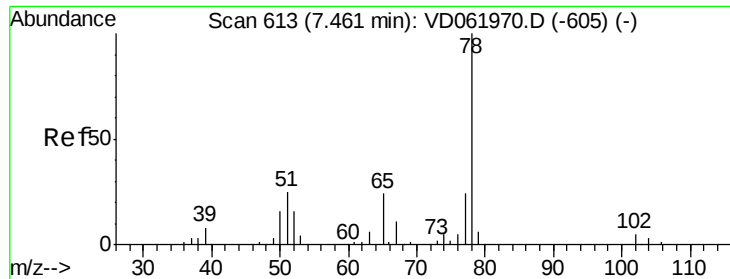


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#40

Benzene

Concen: 17.258 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

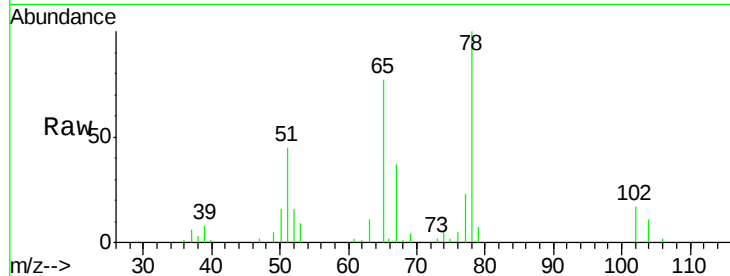
VD0506SBS01

Tot Ion: 78 Resp: 215270

Ion Ratio Lower Upper

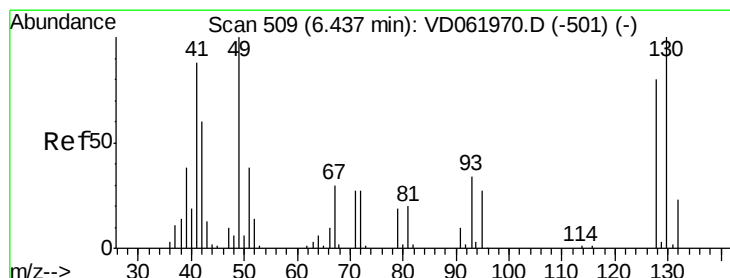
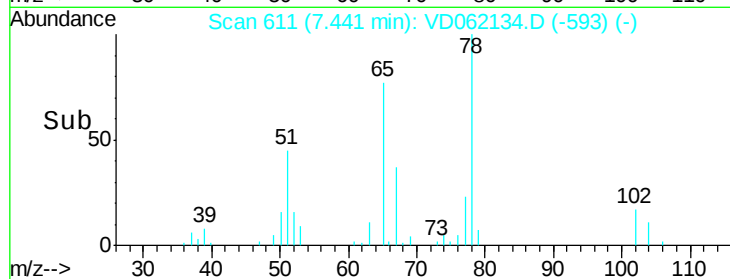
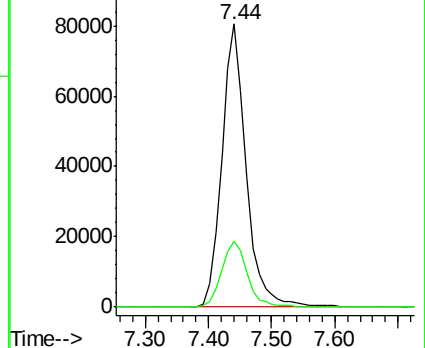
78 100

77 23.0 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#41

Methacrylonitrile

Concen: 22.374 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Tgt Ion: 41 Resp: 56050

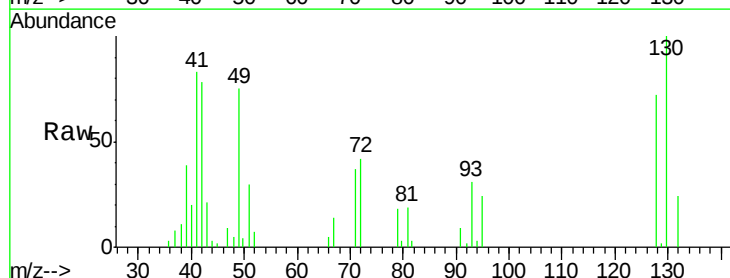
Ion Ratio Lower Upper

41 100

39 46.8 34.1 51.1

67 17.1 23.8 35.6#

52 8.8 8.8 13.2

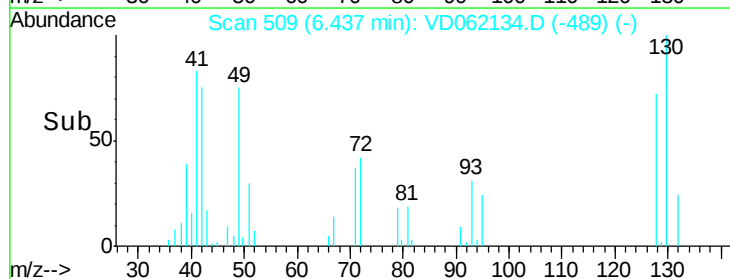
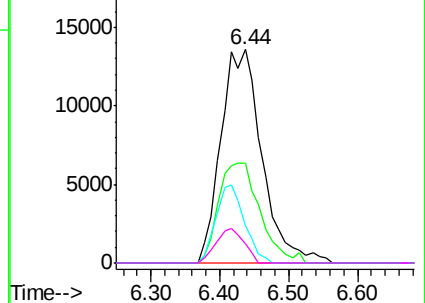


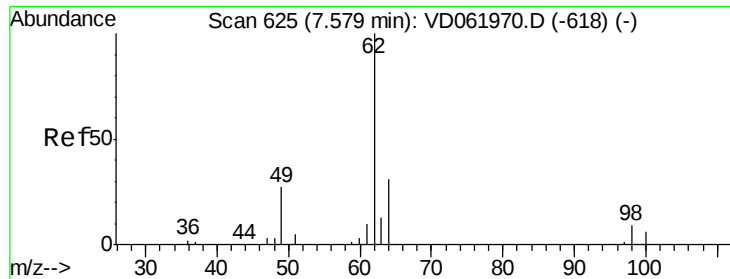
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

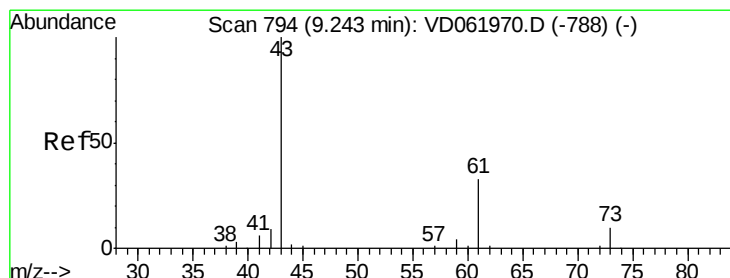
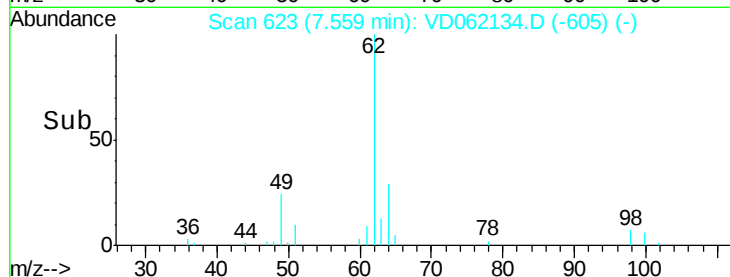
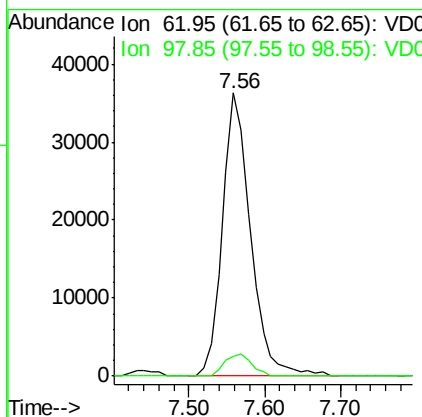
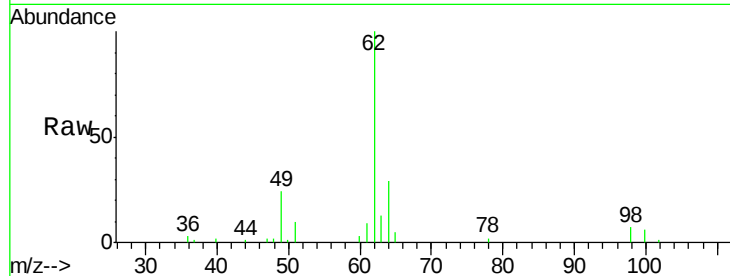




#42
 1,2-Dichloroethane
 Concen: 22.056 ug/l
 RT: 7.56 min Scan# 623
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

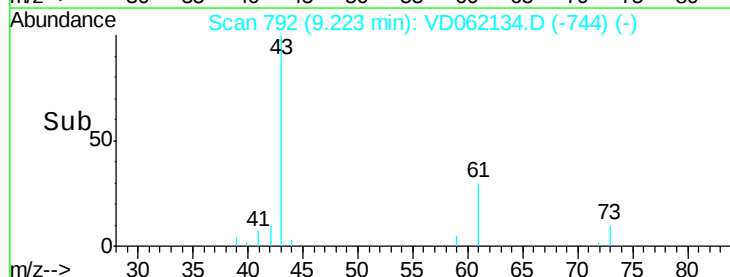
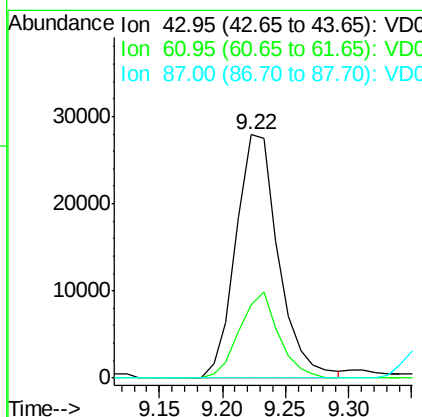
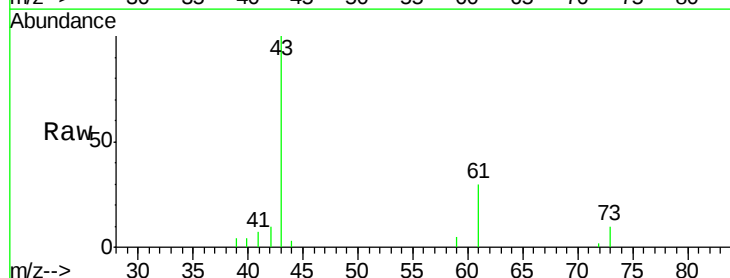
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

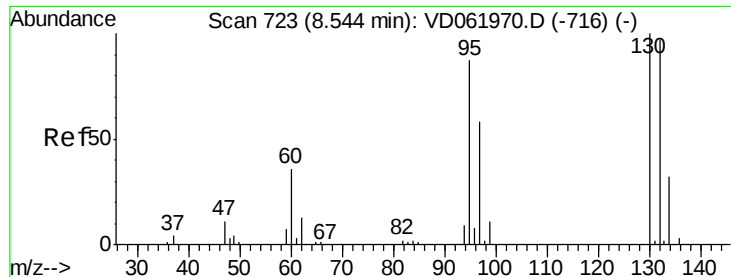
Tot Ion: 62 Resp: 93412
 Ion Ratio Lower Upper
 62 100
 98 6.8 0.0 17.8



#43
 Isopropyl Acetate
 Concen: 20.926 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion: 43 Resp: 65647
 Ion Ratio Lower Upper
 43 100
 61 30.1 25.1 37.7
 87 0.0 0.0 0.0





#44

Trichloroethene

Concen: 19.335 ug/l

RT: 8.52 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

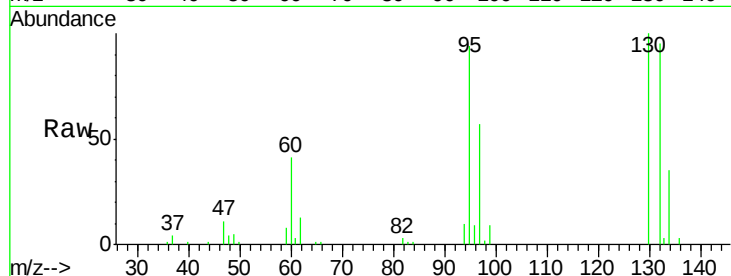
VD0506SBSD01

Tot Ion:130 Resp: 93498

Ion Ratio Lower Upper

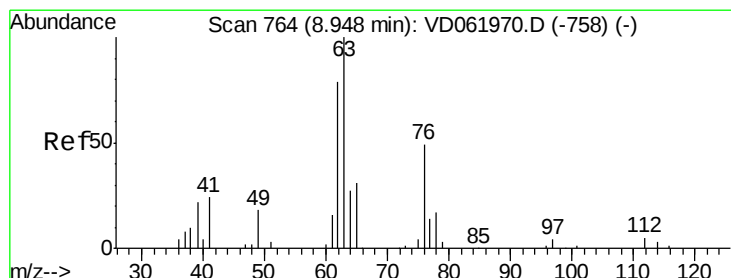
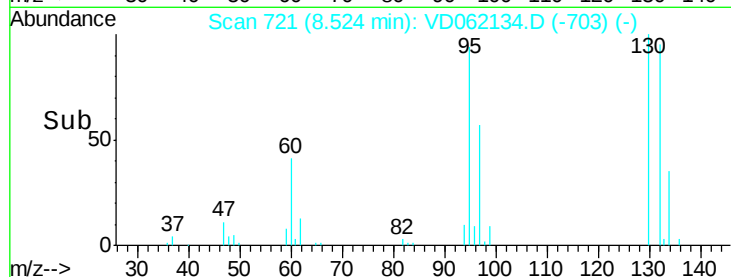
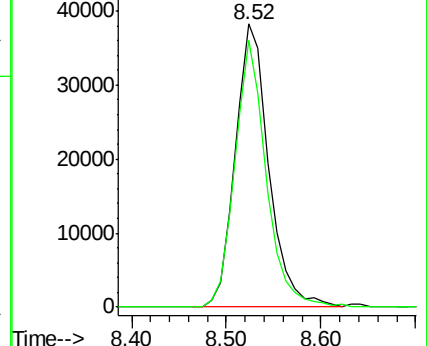
130 100

95 94.5 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: 19.536 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD062134.D

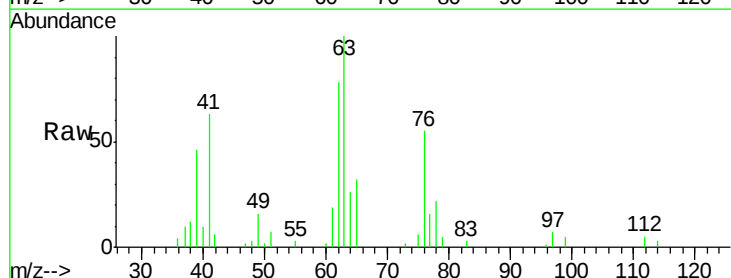
Acq: 6 May 2019 16:55

Tgt Ion: 63 Resp: 61818

Ion Ratio Lower Upper

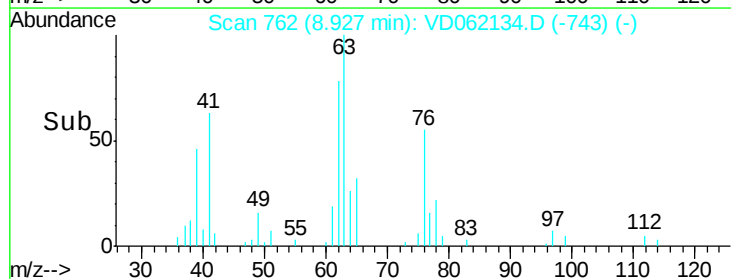
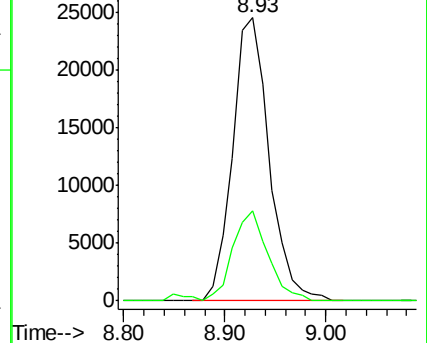
63 100

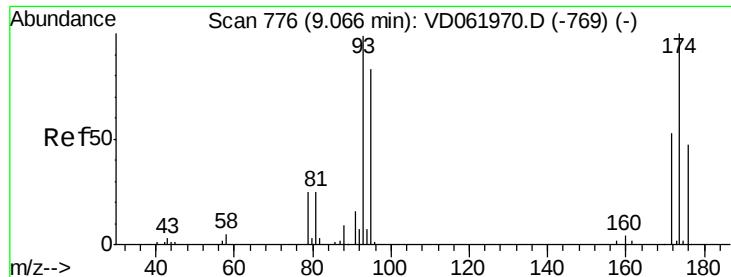
65 31.8 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

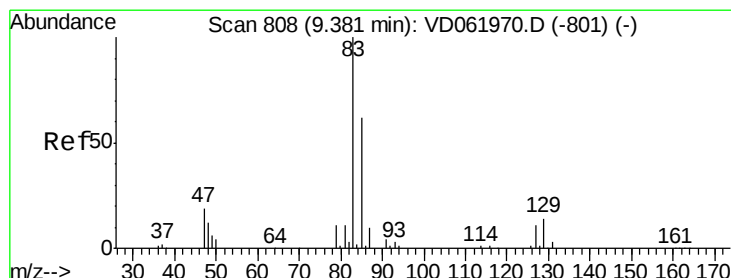
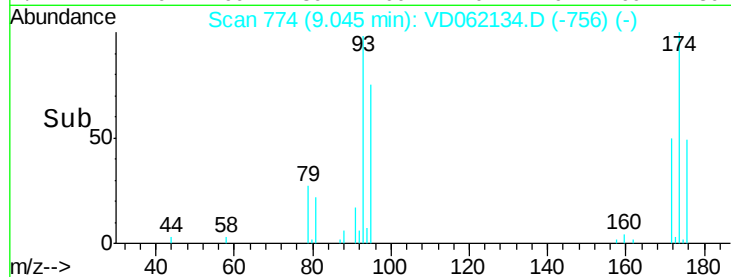
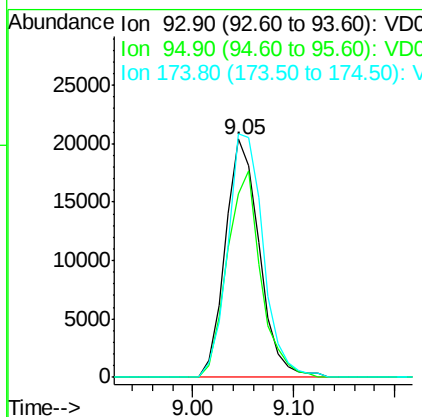
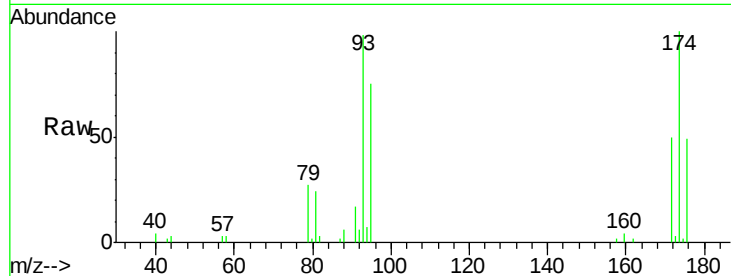




#46
Dibromomethane
Concen: 21.015 ug/l
RT: 9.05 min Scan# 774
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

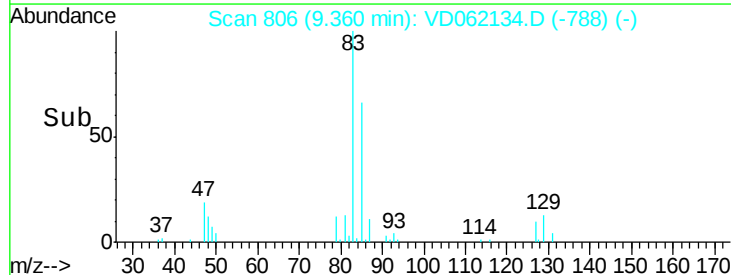
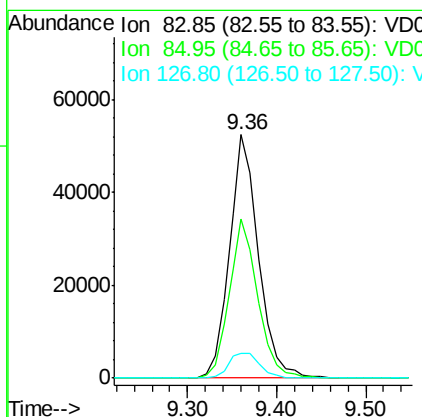
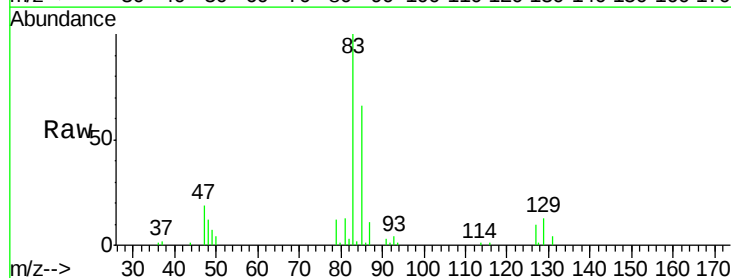
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

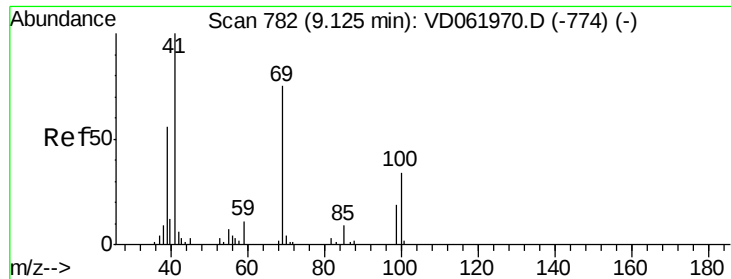
Tot Ion: 93 Resp: 47849
Ion Ratio Lower Upper
93 100
95 77.0 64.8 97.2
174 102.3 79.3 118.9



#47
Bromodichloromethane
Concen: 22.114 ug/l
RT: 9.36 min Scan# 806
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 83 Resp: 118976
Ion Ratio Lower Upper
83 100
85 65.5 50.9 76.3
127 10.4 8.1 12.1





#48

Methyl methacrylate

Concen: 20.592 ug/l

RT: 9.10 min Scan# 780

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

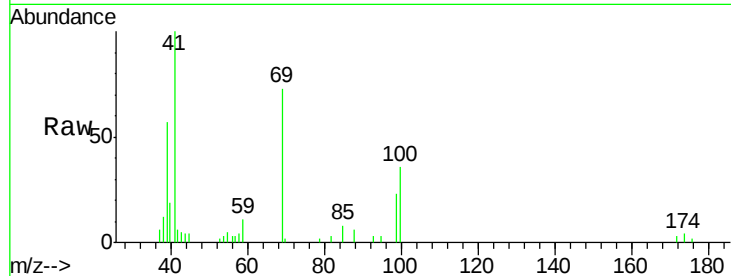
Tot Ion: 41 Resp: 36857

Ion Ratio Lower Upper

41 100

69 73.3 64.2 96.2

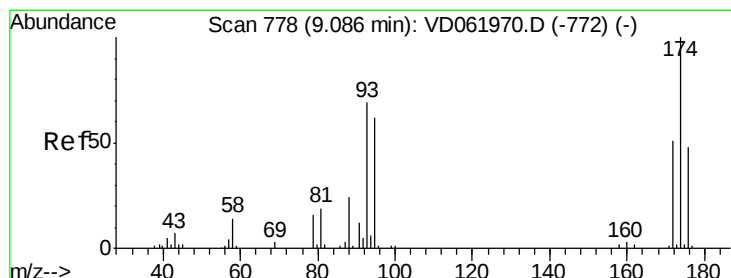
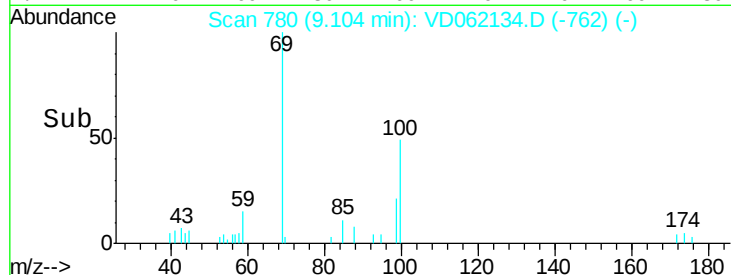
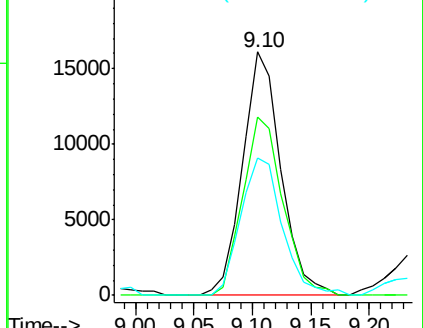
39 56.7 46.8 70.2



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: 451.982 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

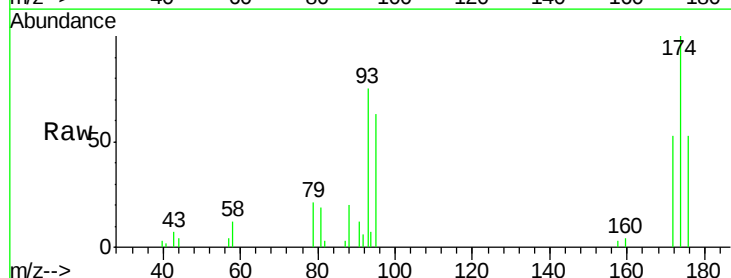
Tgt Ion: 88 Resp: 8722

Ion Ratio Lower Upper

88 100

43 33.7 23.4 35.0

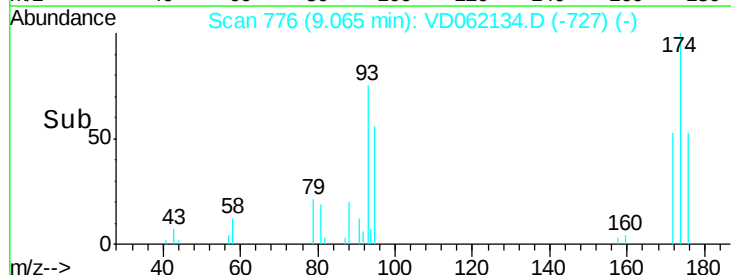
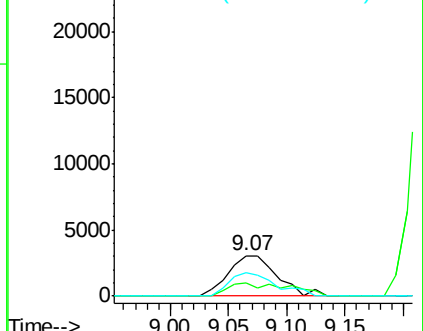
58 59.1 44.0 66.0

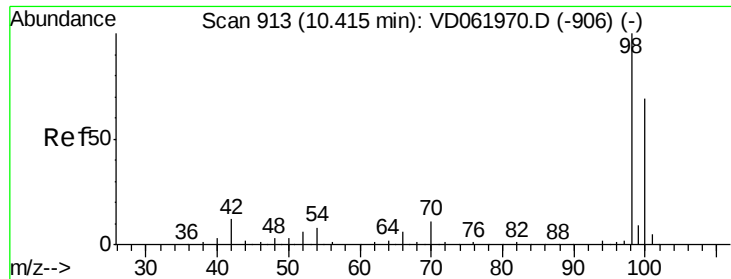


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

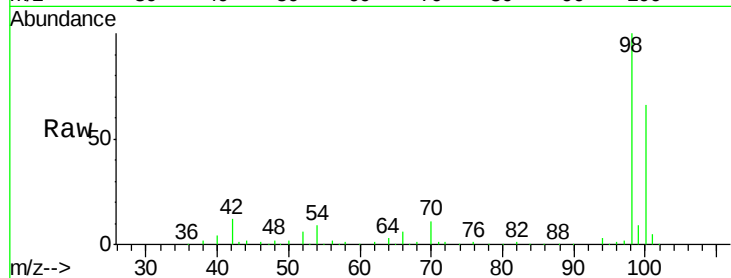




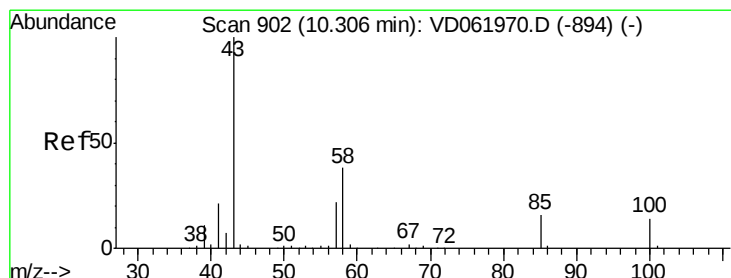
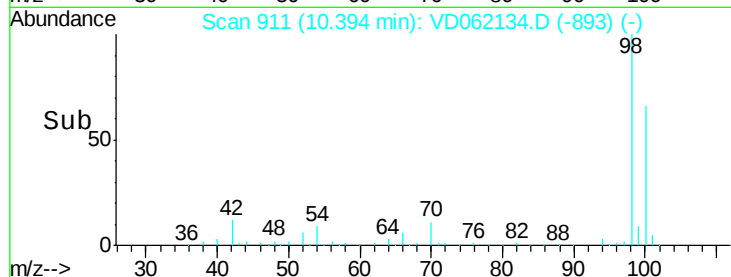
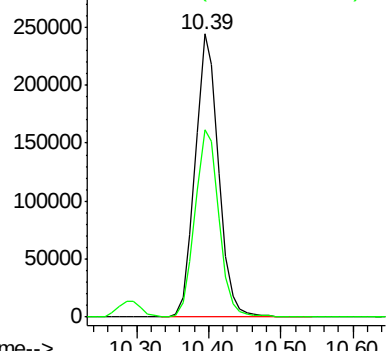
#50
Toluene-d8
Concen: 51.351 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 98 Resp: 546483
Ion Ratio Lower Upper
98 100
100 66.4 53.8 80.8

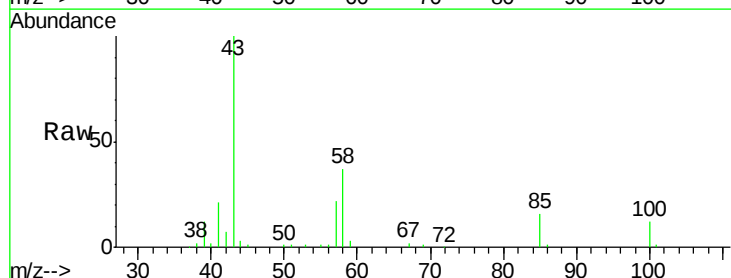


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

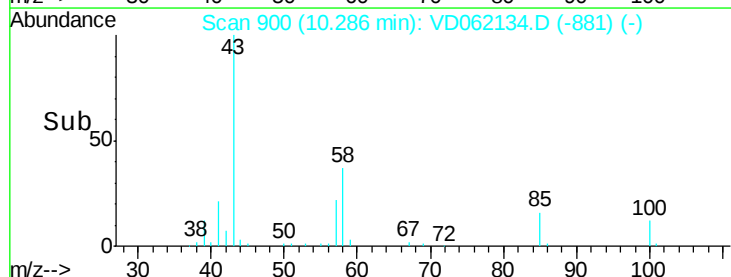
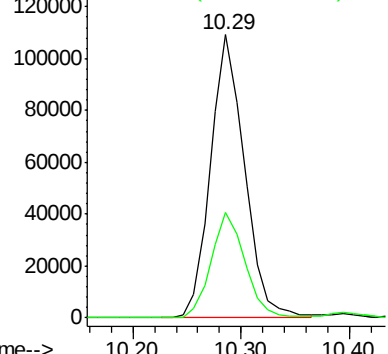


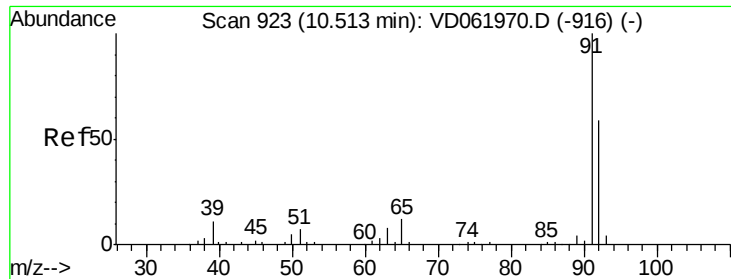
#51
4-Methyl-2-Pentanone
Concen: 124.479 ug/l
RT: 10.29 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 43 Resp: 238817
Ion Ratio Lower Upper
43 100
58 37.2 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 57.95 (57.65 to 58.65): VD0





#52

Toluene

Concen: 20.538 ug/l

RT: 10.49 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

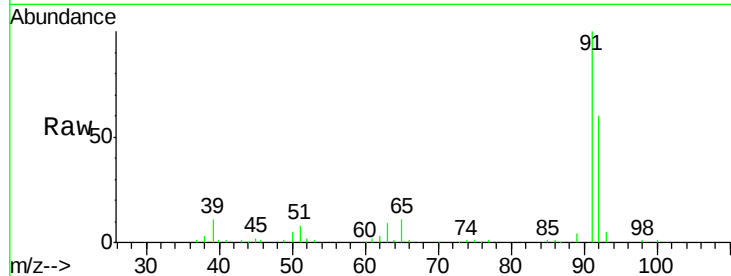
VD0506SBSD01

Tot Ion: 92 Resp: 163344

Ion Ratio Lower Upper

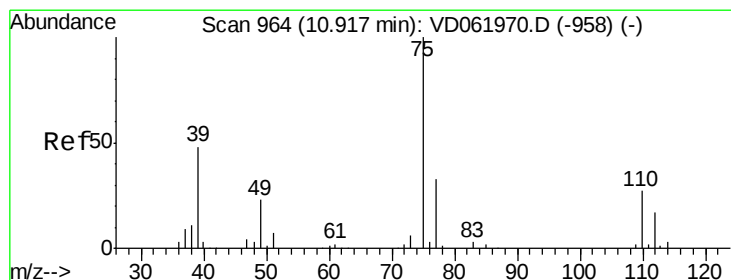
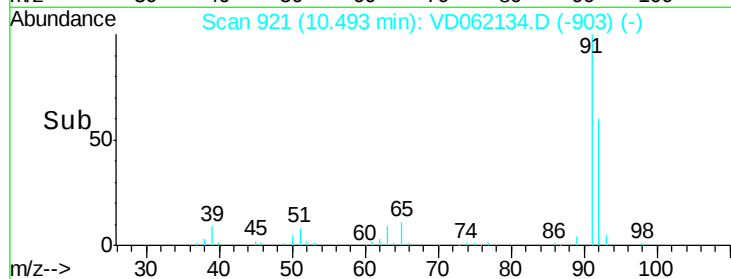
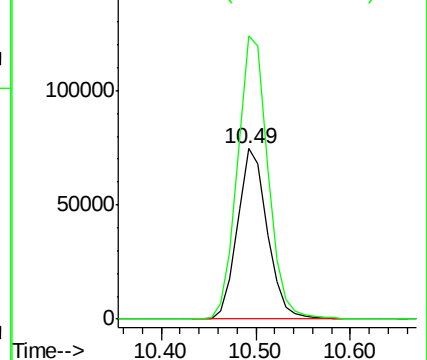
92 100

91 166.2 136.6 204.8



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: 24.382 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.01 min

Lab File: VD062134.D

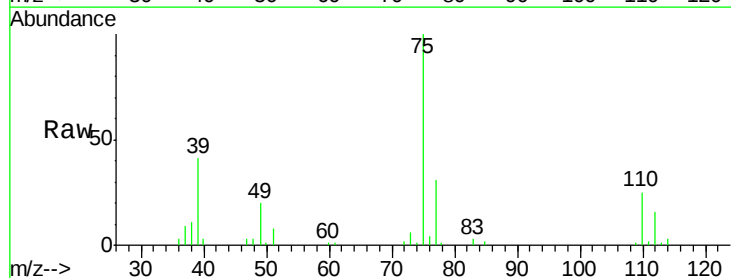
Acq: 6 May 2019 16:55

Tgt Ion: 75 Resp: 110104

Ion Ratio Lower Upper

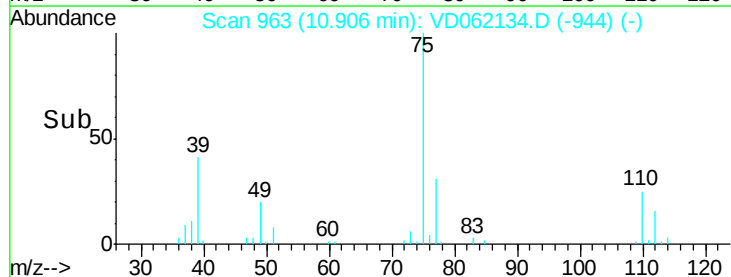
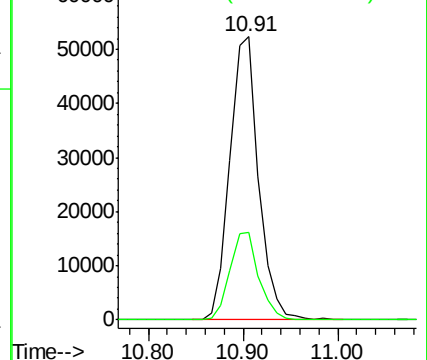
75 100

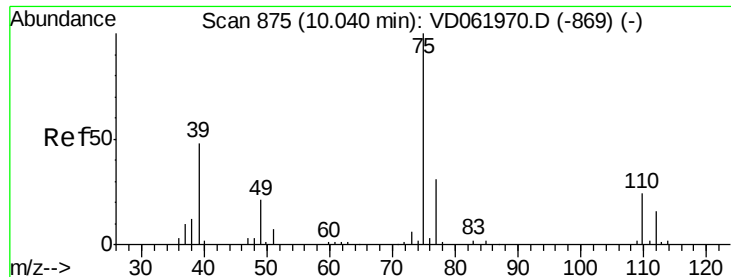
77 30.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



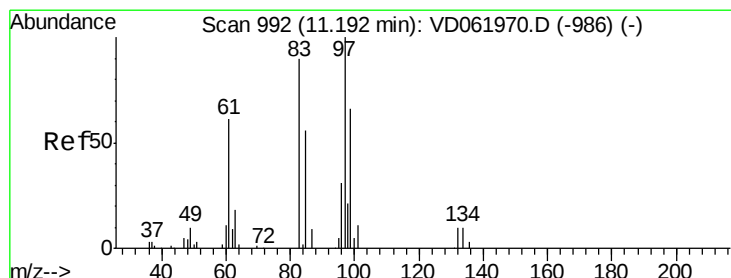
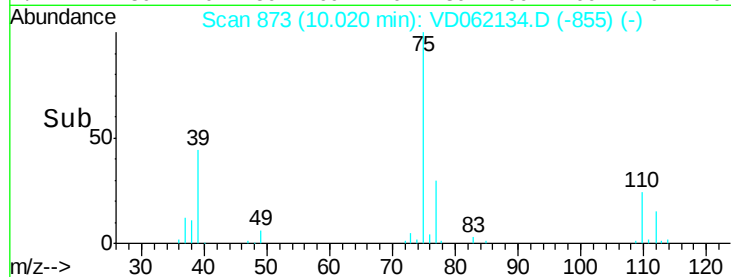
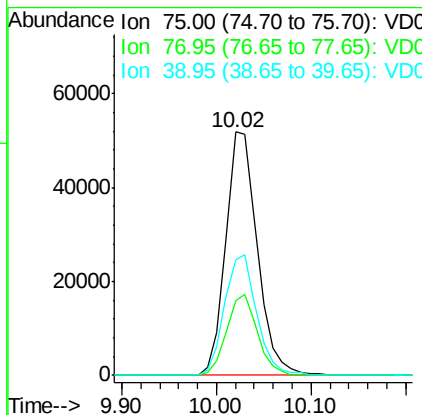
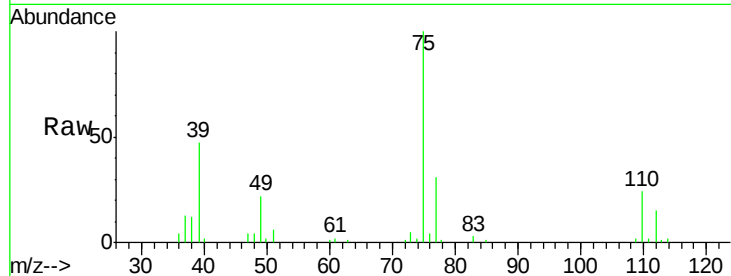


#54

cis-1,3-Dichloropropene
 Concen: 21.856 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

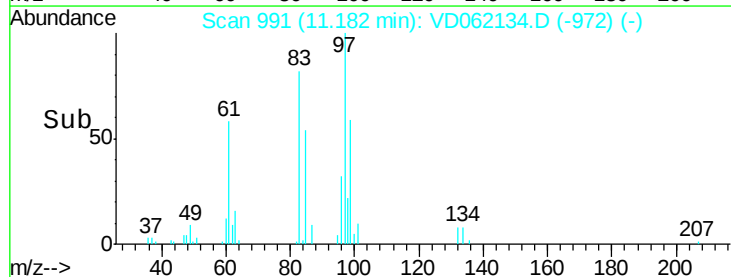
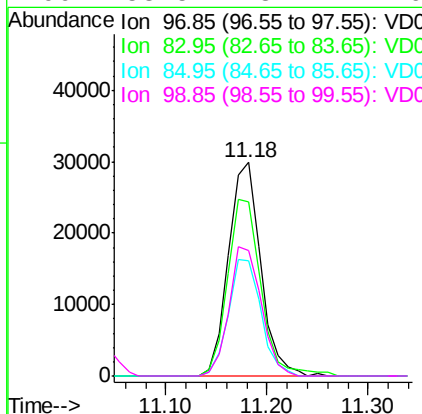
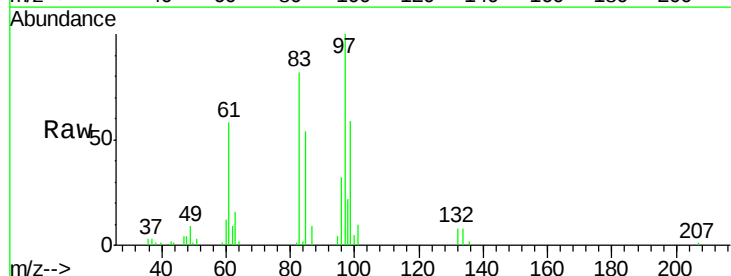
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.5	38.3
39	47.5	39.4	59.2

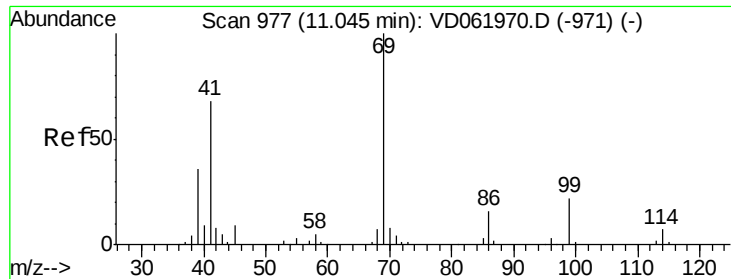


#55

1,1,2-Trichloroethane
 Concen: 24.786 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.6	65.7	98.5
85	53.7	45.6	68.4
99	58.5	48.4	72.6





#56

Ethyl methacrylate

Concen: 22.502 ug/l

RT: 11.02 min Scan# 975

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

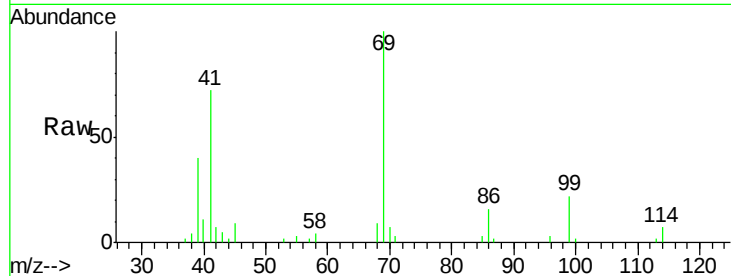
Tot Ion: 69 Resp: 66542

Ion Ratio Lower Upper

69 100

41 72.1 56.3 84.5

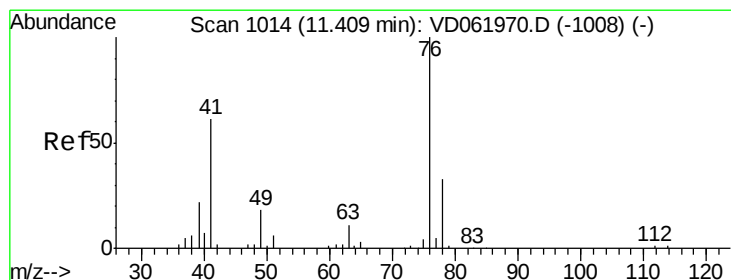
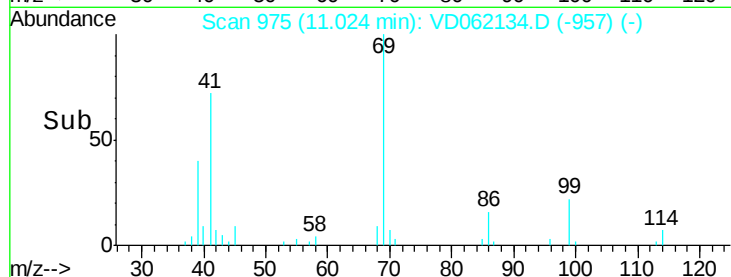
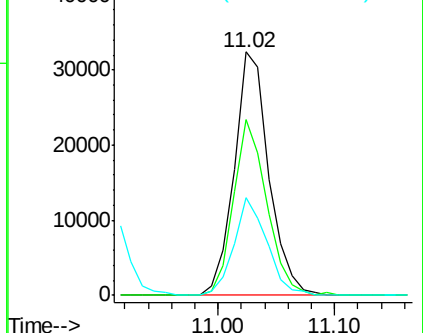
39 40.0 29.4 44.2



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: 23.269 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VD062134.D

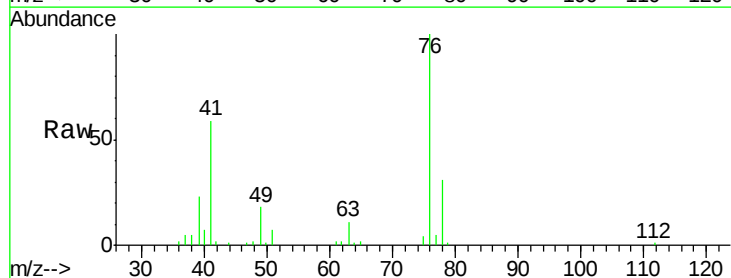
Acq: 6 May 2019 16:55

Tgt Ion: 76 Resp: 95958

Ion Ratio Lower Upper

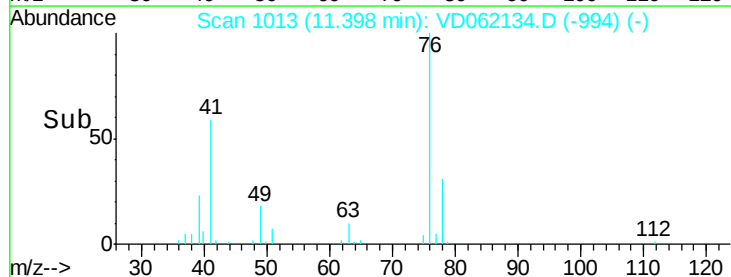
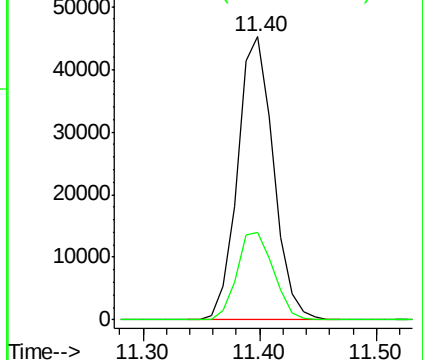
76 100

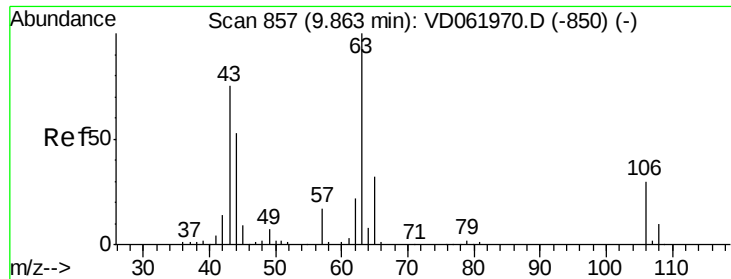
78 31.0 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

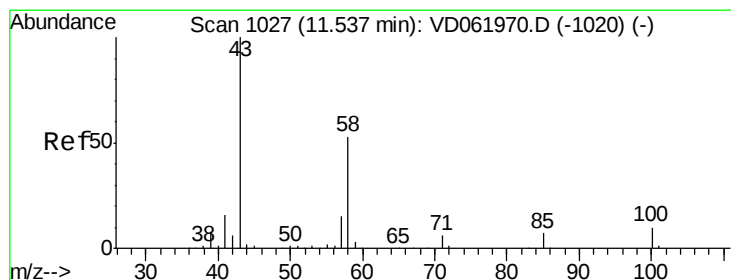
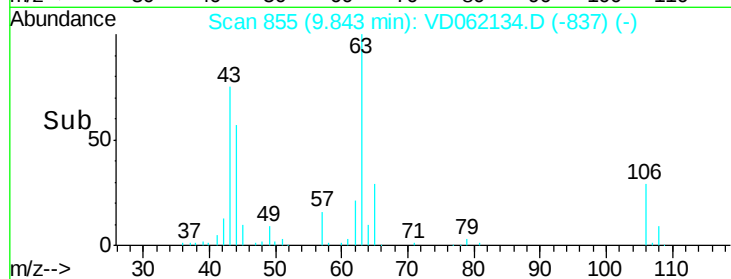
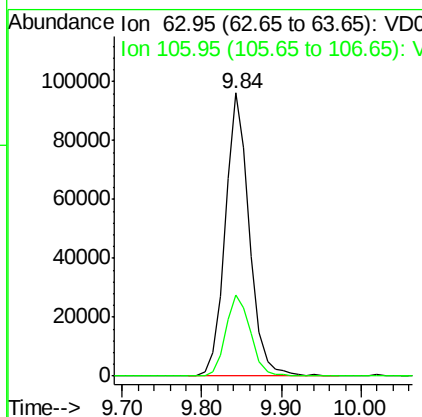
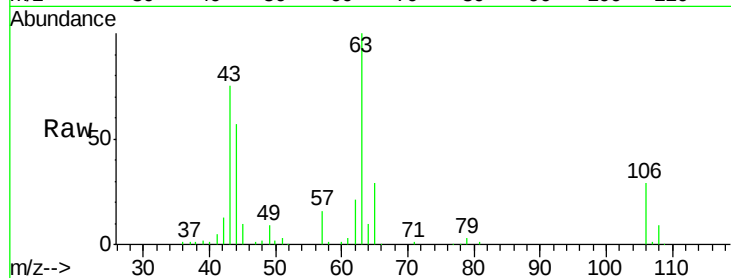




#58
2-Chloroethyl Vinyl ether
Concen: 148.276 ug/l
RT: 9.84 min Scan# 855
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

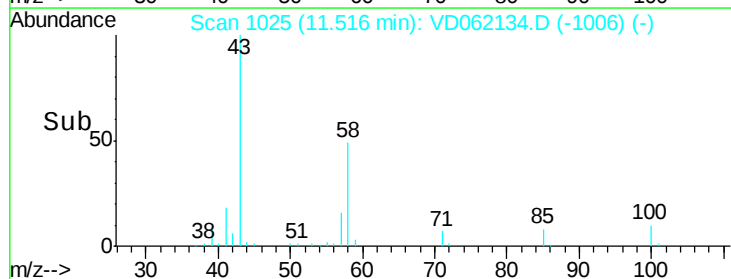
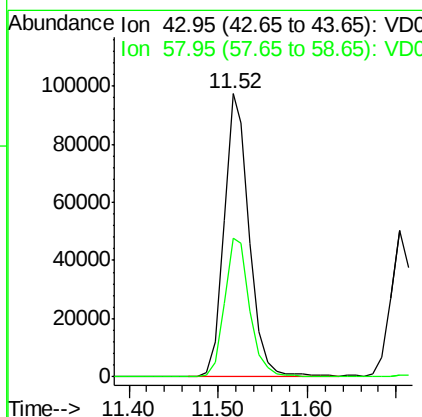
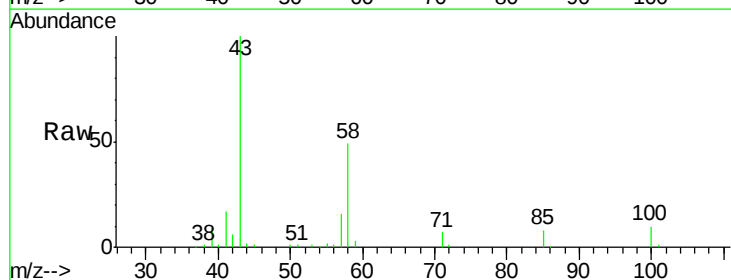
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

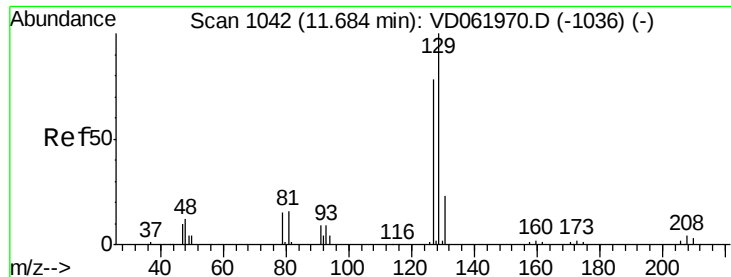
Tot Ion: 63 Resp: 203861
Ion Ratio Lower Upper
63 100
106 28.9 22.6 34.0



#59
2-Hexanone
Concen: 133.139 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 43 Resp: 191609
Ion Ratio Lower Upper
43 100
58 48.8 25.4 76.4





#60

Dibromochloromethane

Concen: 24.507 ug/l

RT: 11.67 min Scan# 1041

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

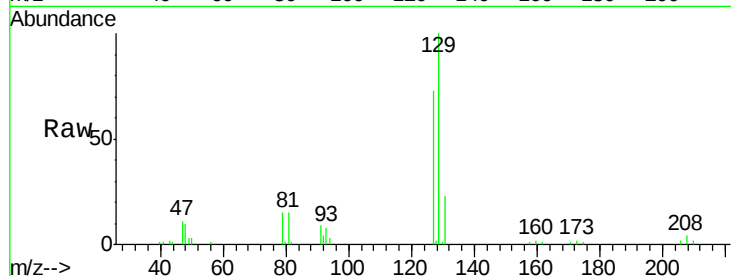
VD0506SBSD01

Tot Ion:129 Resp: 108270

Ion Ratio Lower Upper

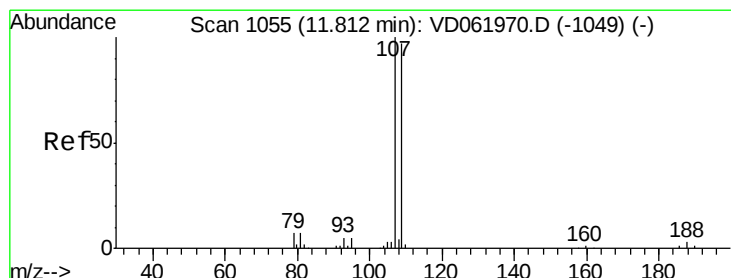
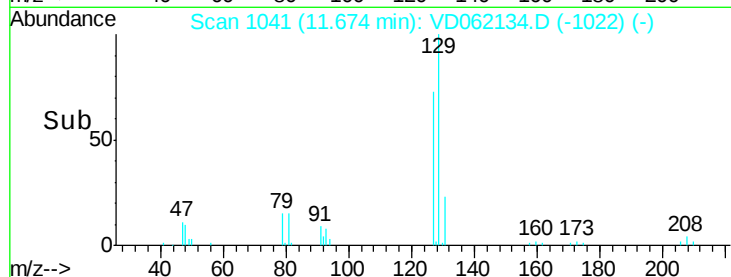
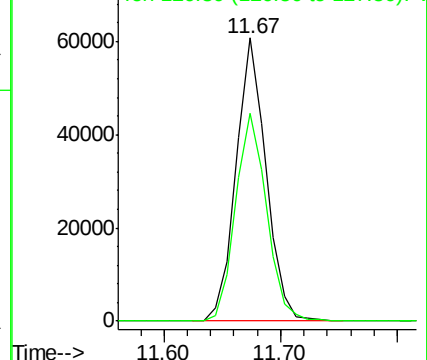
129 100

127 73.4 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: 23.529 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VD062134.D

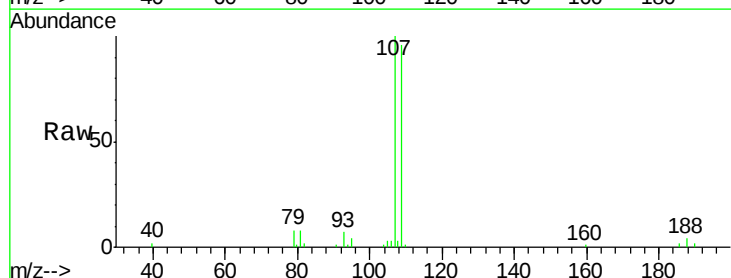
Acq: 6 May 2019 16:55

Tgt Ion:107 Resp: 74525

Ion Ratio Lower Upper

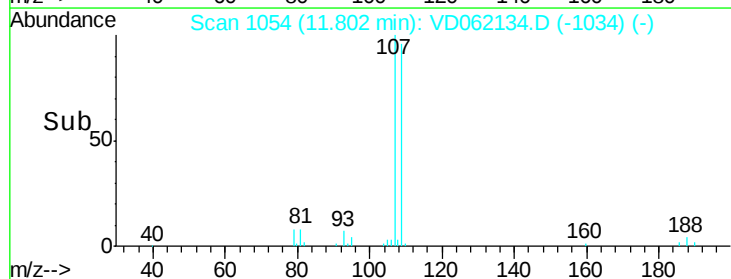
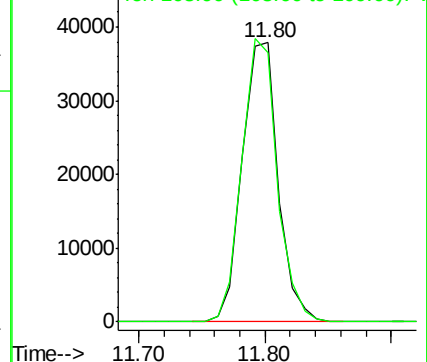
107 100

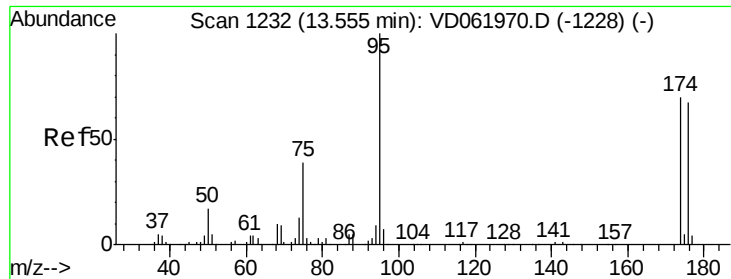
109 96.2 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

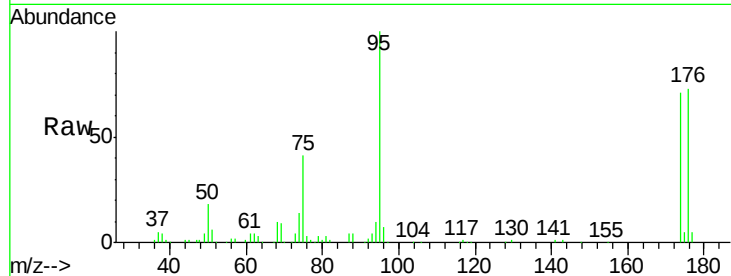




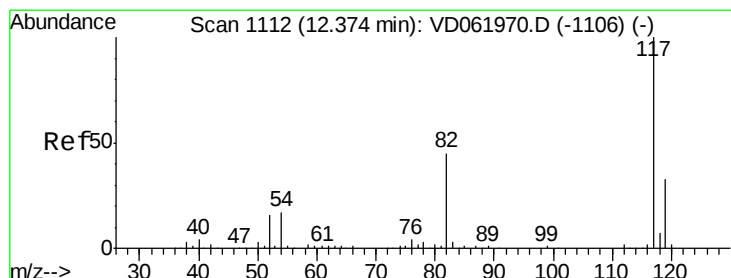
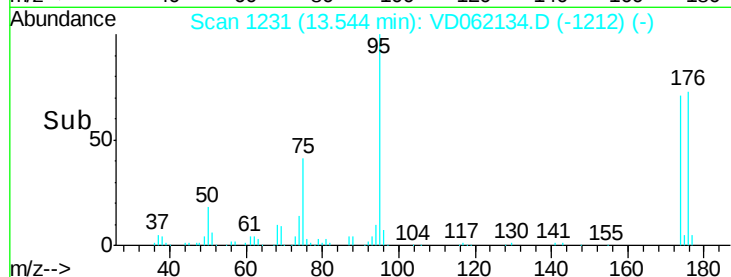
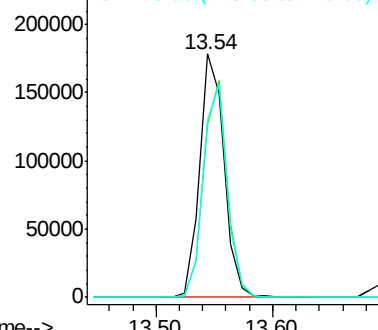
#62
4-Bromofluorobenzene
Concen: 60.534 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion: 95 Resp: 258389
Ion Ratio Lower Upper
95 100
174 71.3 0.0 181.8
176 72.7 0.0 174.4

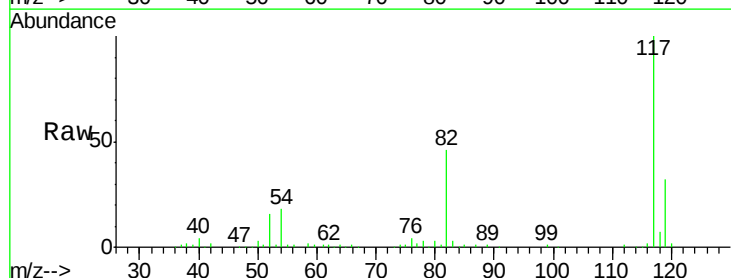


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

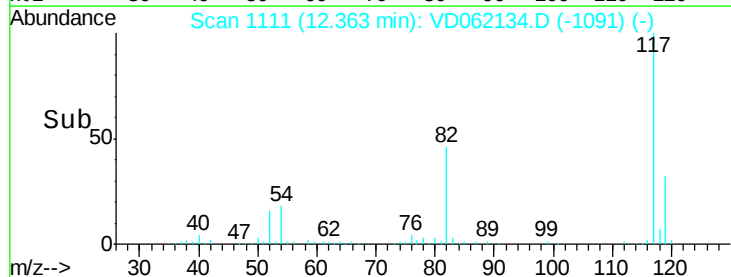
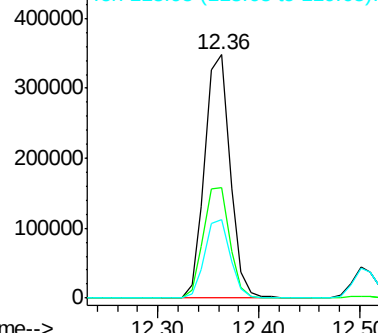


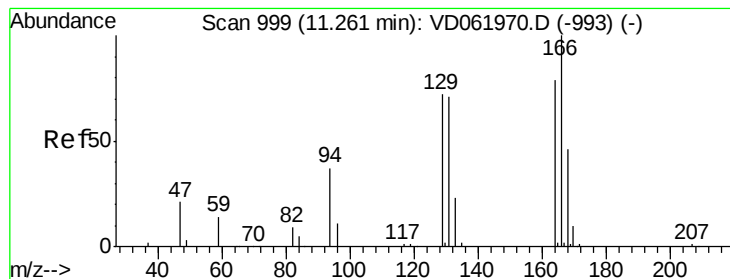
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 117 Resp: 610741
Ion Ratio Lower Upper
117 100
82 45.5 36.2 54.2
119 32.1 26.2 39.4



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 18.392 ug/l

RT: 11.24 min Scan# 997

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

Tot Ion:164 Resp: 80130

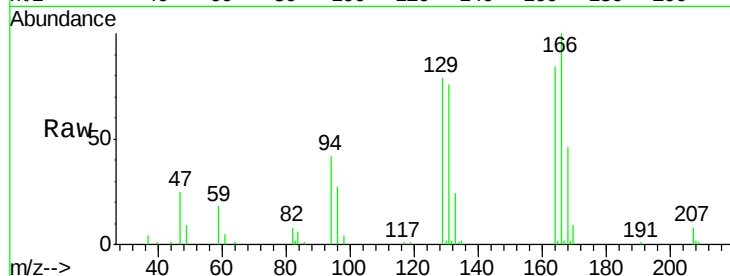
Ion Ratio Lower Upper

164 100

166 118.8 101.5 152.3

129 94.1 74.6 112.0

131 90.7 72.6 108.8

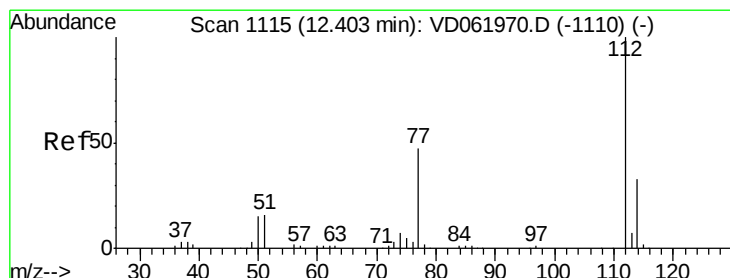
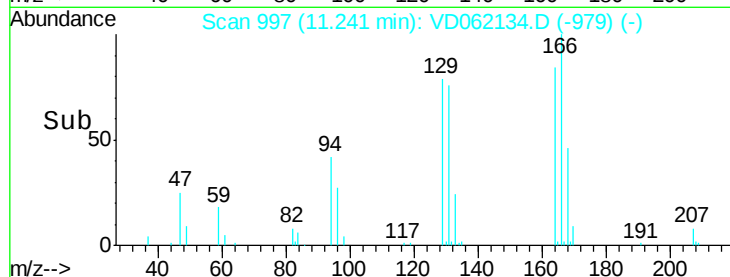
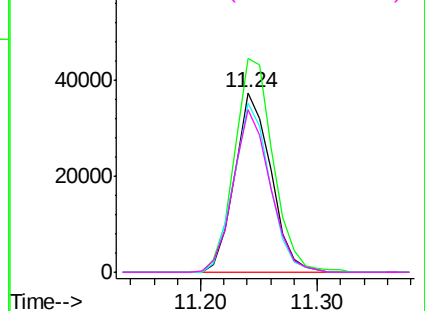


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.033 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VD062134.D

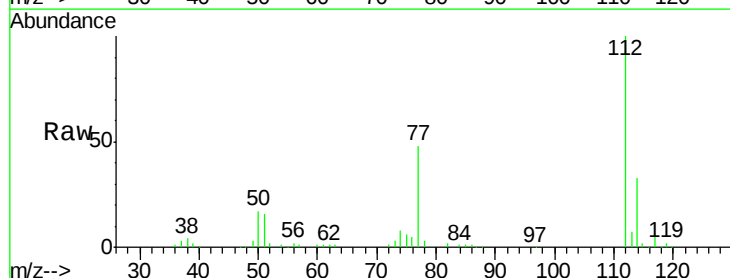
Acq: 6 May 2019 16:55

Tgt Ion:112 Resp: 242738

Ion Ratio Lower Upper

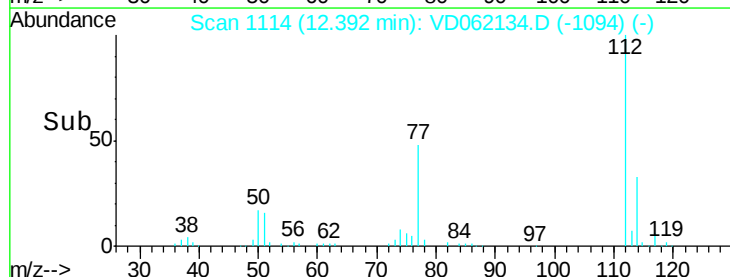
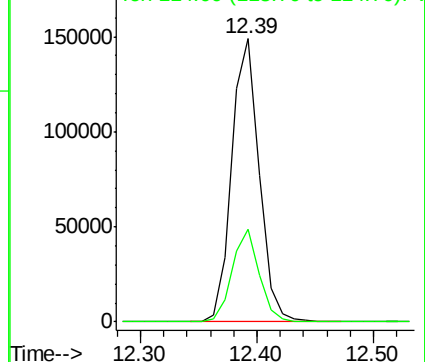
112 100

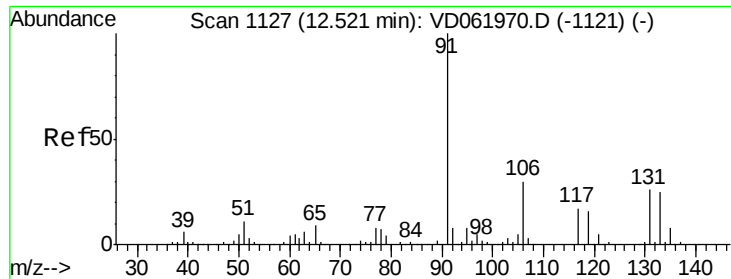
114 32.8 25.8 38.8



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: 22.398 ug/l

RT: 12.50 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

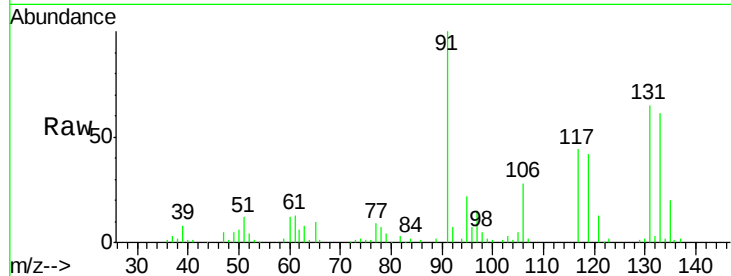
Tot Ion:131 Resp: 109646

Ion Ratio Lower Upper

131 100

133 94.7 48.6 145.8

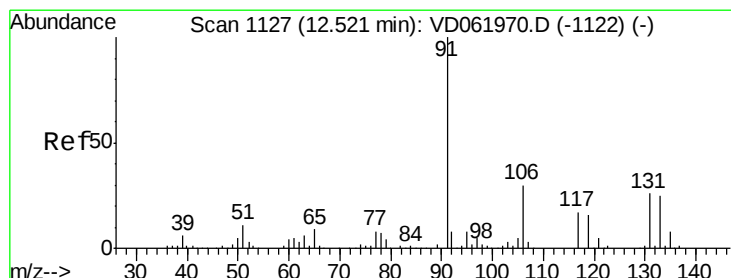
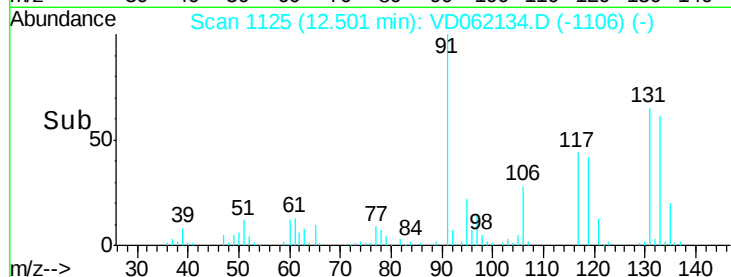
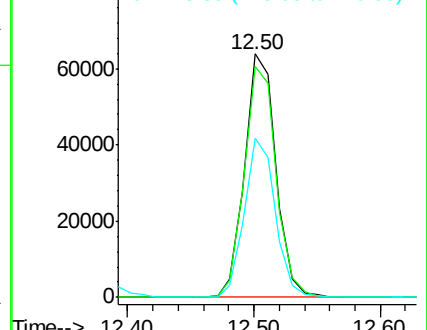
119 65.4 34.7 104.1



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: 22.077 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.02 min

Lab File: VD062134.D

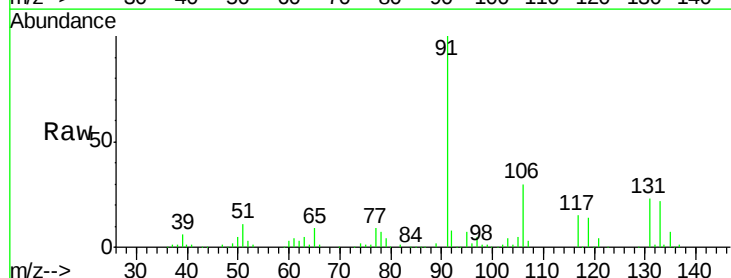
Acq: 6 May 2019 16:55

Tgt Ion: 91 Resp: 415855

Ion Ratio Lower Upper

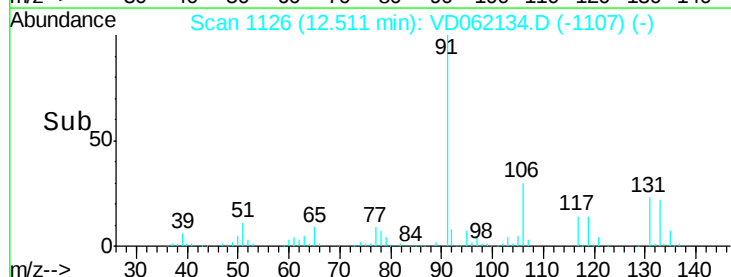
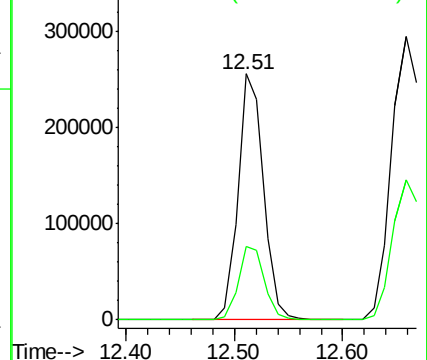
91 100

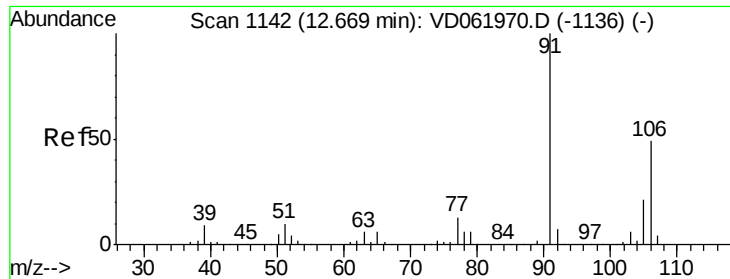
106 29.7 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

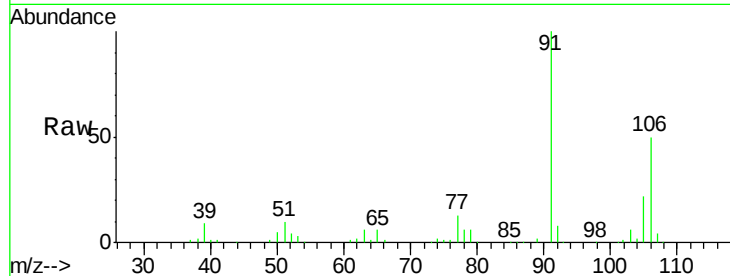




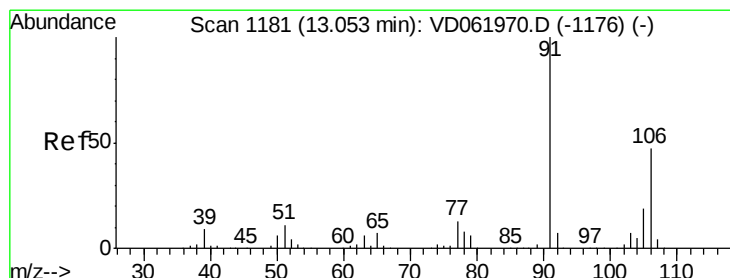
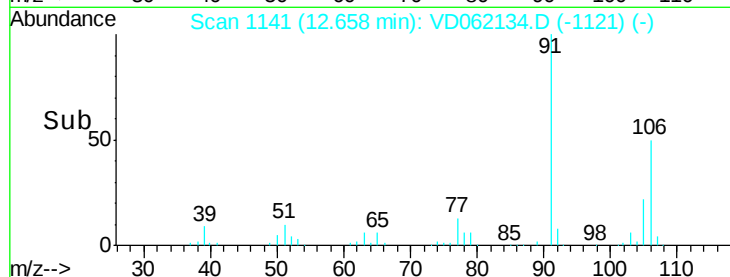
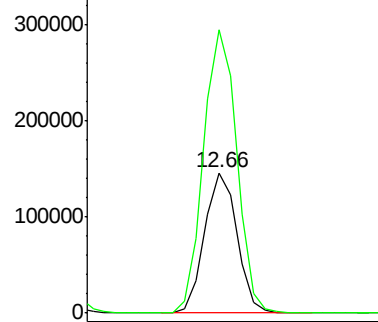
#68
m/p-Xylenes
Concen: 41.264 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:106 Resp: 280932
Ion Ratio Lower Upper
106 100
91 201.4 164.0 246.0

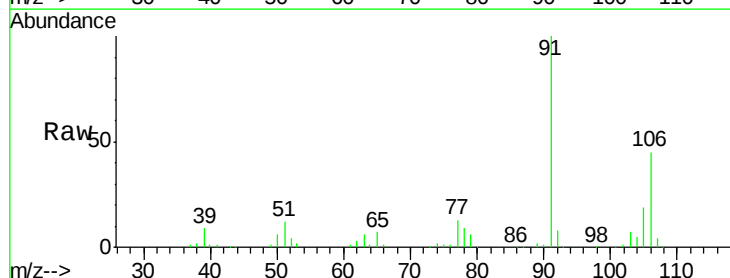


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

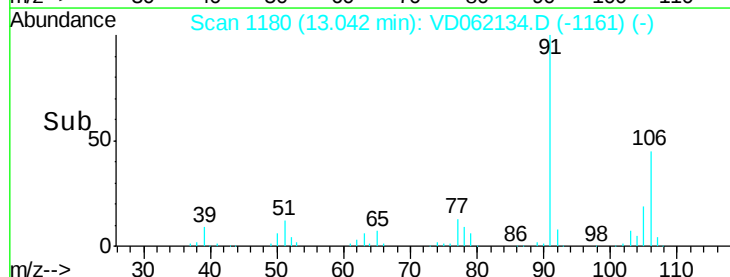
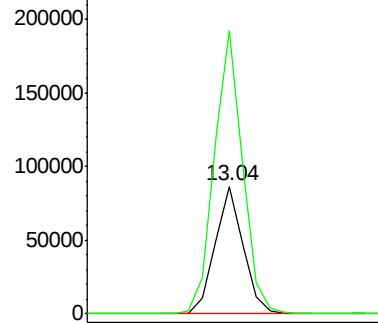


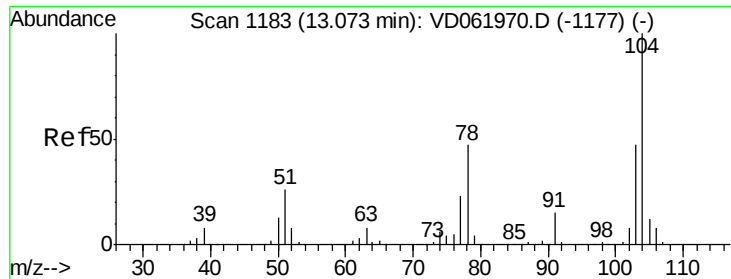
#69
o-Xylene
Concen: 19.877 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion:106 Resp: 123821
Ion Ratio Lower Upper
106 100
91 221.4 106.7 319.9



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

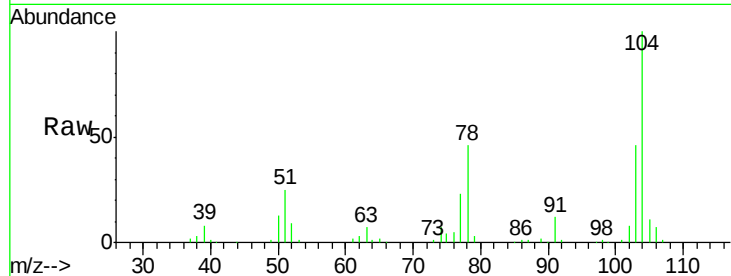




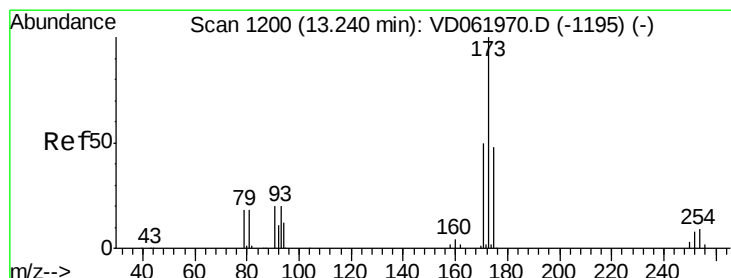
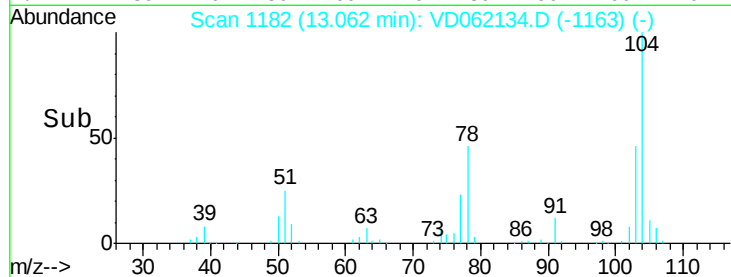
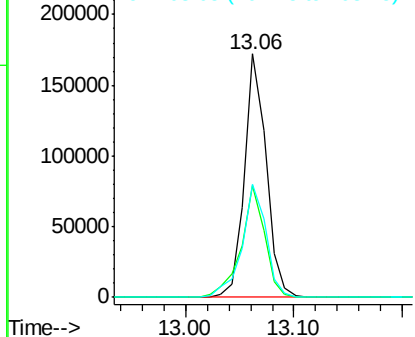
#70
Stvrene
Concen: 22.272 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

Tot Ion:104 Resp: 239559
Ion Ratio Lower Upper
104 100
78 46.0 35.4 53.2
103 46.4 37.5 56.3

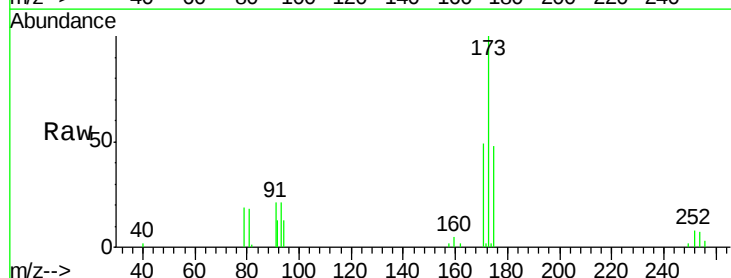


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

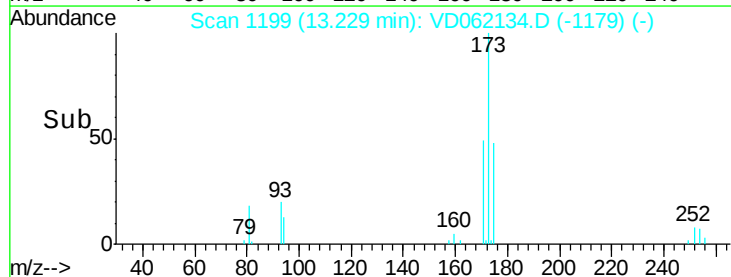
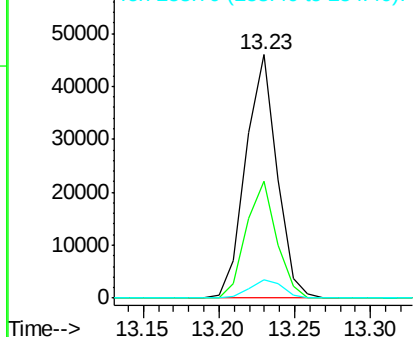


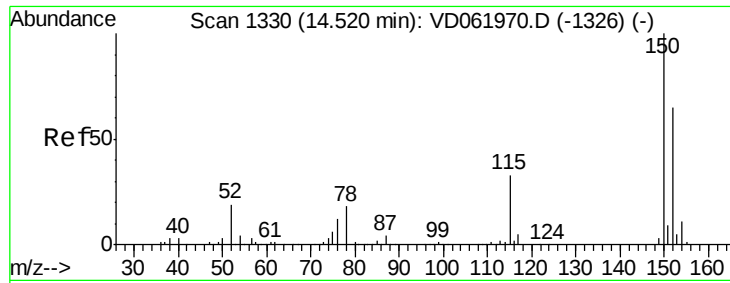
#71
Bromoform
Concen: 23.664 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion:173 Resp: 66044
Ion Ratio Lower Upper
173 100
175 47.8 24.4 73.4
254 7.4 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# 1329

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

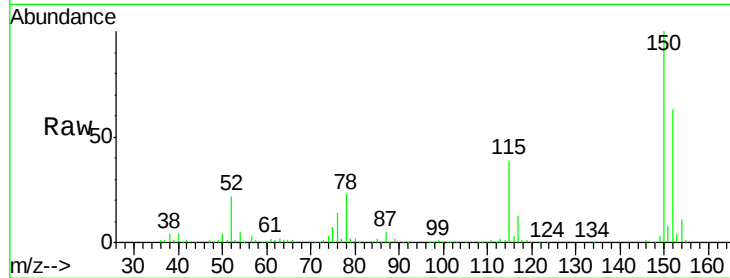
Tot Ion:152 Resp: 310106

Ion Ratio Lower Upper

152 100

115 61.5 30.9 92.7

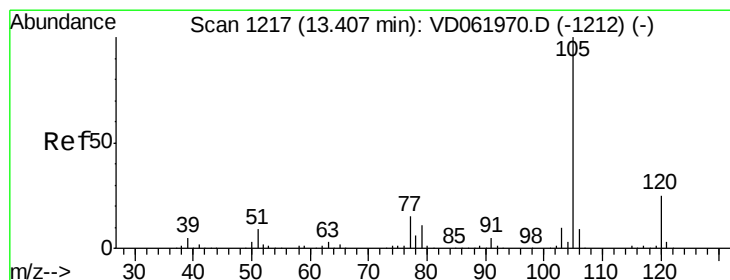
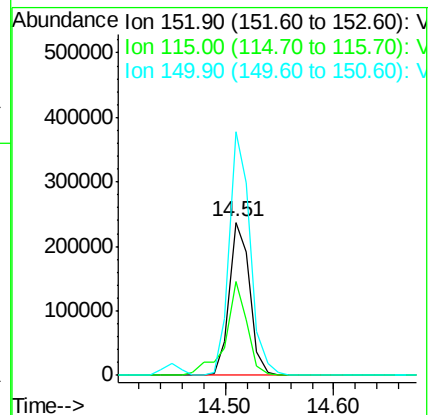
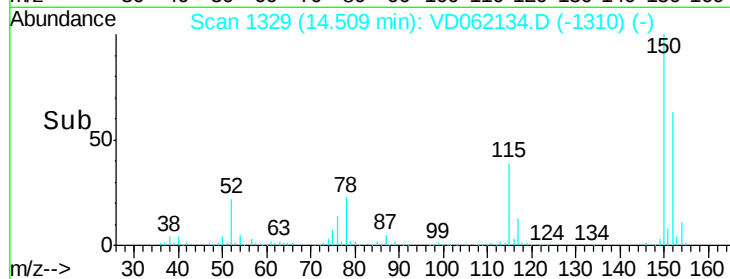
150 159.3 0.0 314.8



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: 18.482 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD062134.D

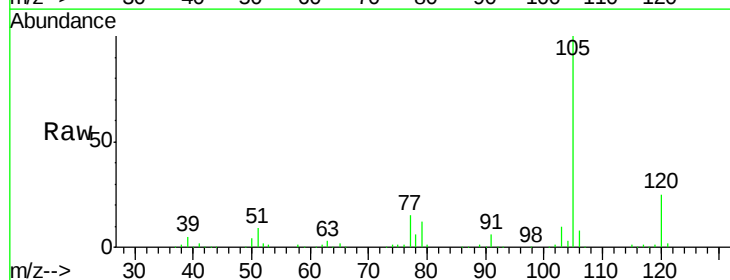
Acq: 6 May 2019 16:55

Tgt Ion:105 Resp: 382320

Ion Ratio Lower Upper

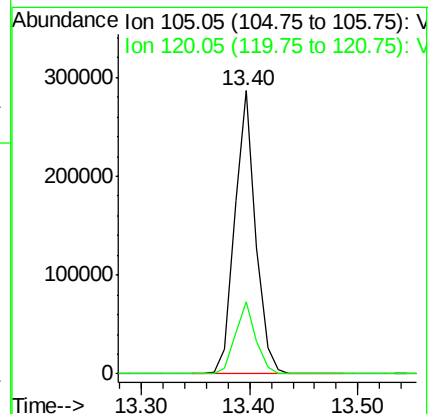
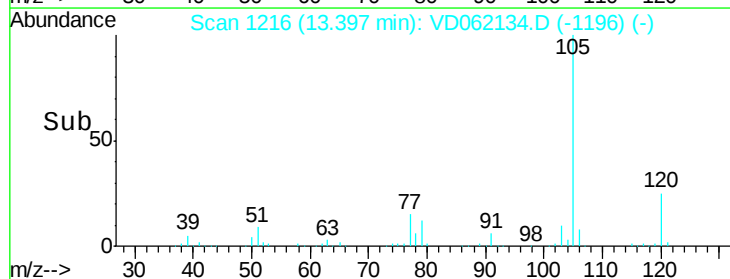
105 100

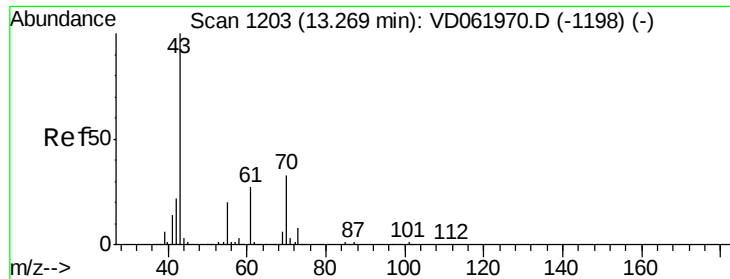
120 25.4 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 20.362 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

Tot Ion: 43 Resp: 108480

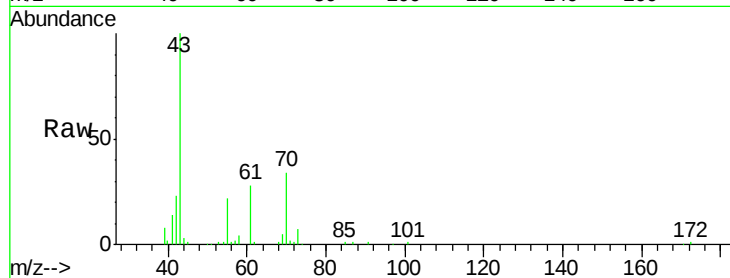
Ion Ratio Lower Upper

43 100

70 34.5 24.2 36.4

55 22.1 16.0 24.0

61 28.4 21.6 32.4

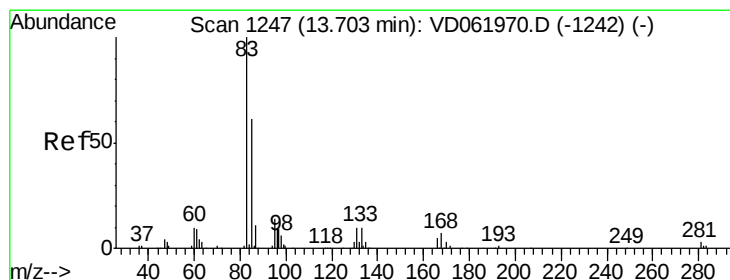
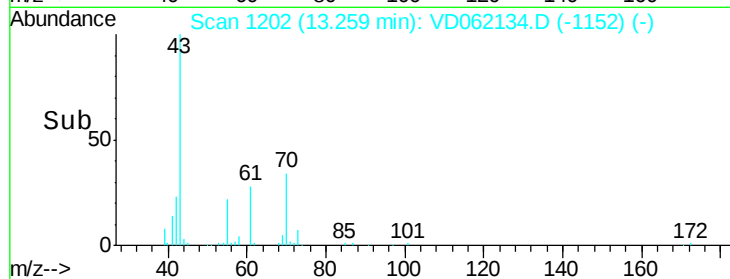
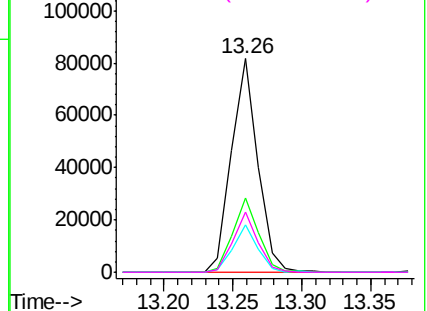


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.170 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

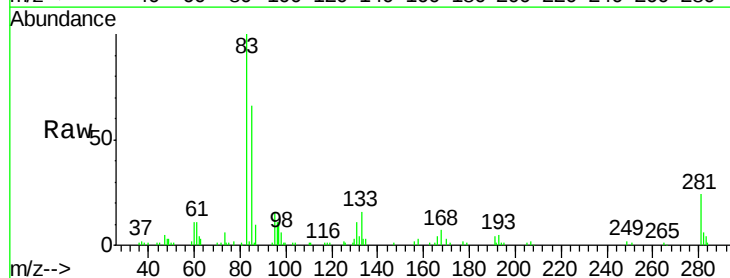
Tgt Ion: 83 Resp: 81763

Ion Ratio Lower Upper

83 100

131 11.3 5.0 14.9

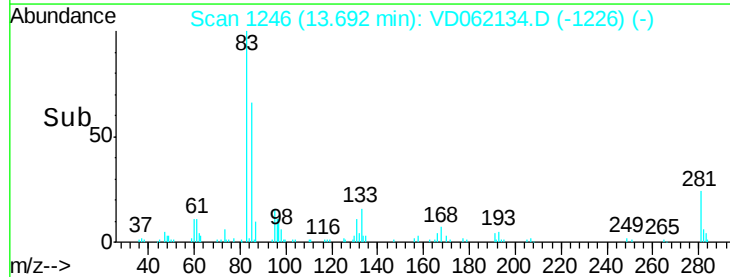
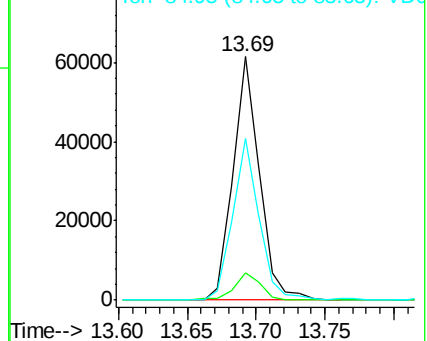
85 66.2 32.6 97.7

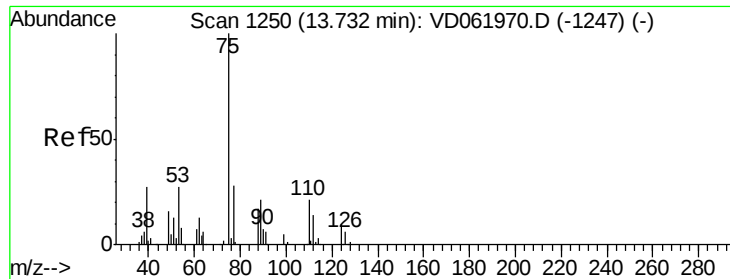


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

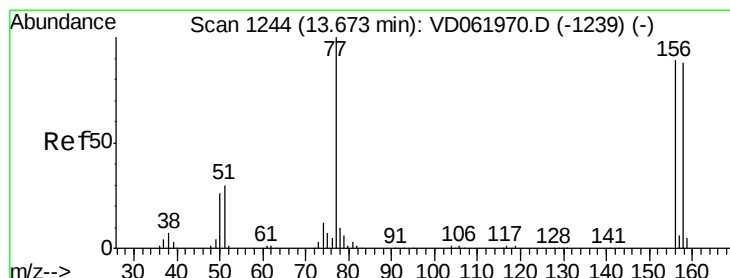
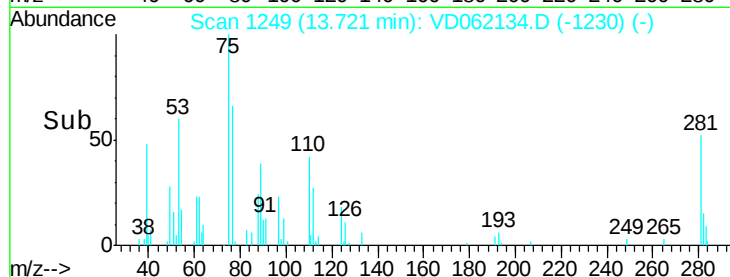
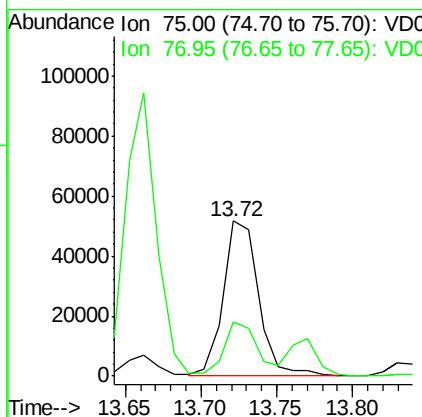
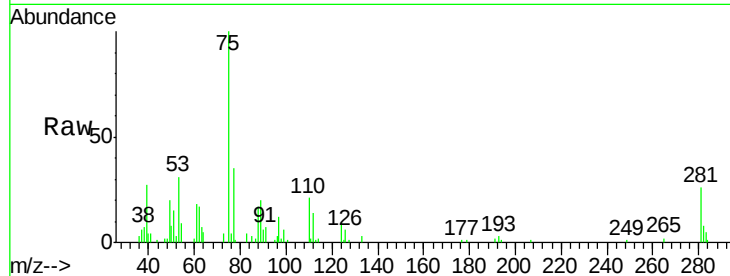




#76
 1,2,3-Trichloropropane
 Concen: 21.397 ug/l
 RT: 13.72 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

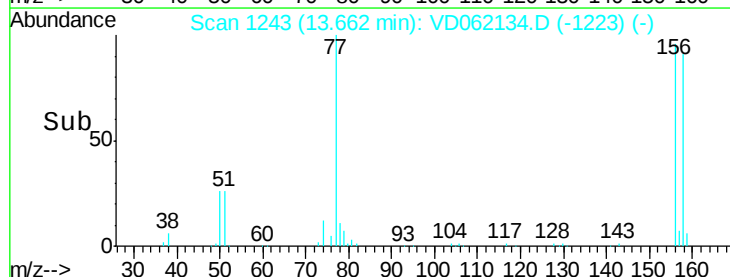
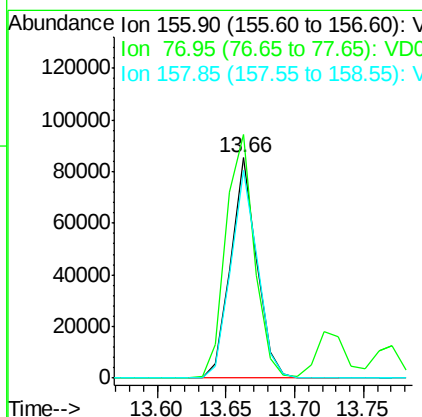
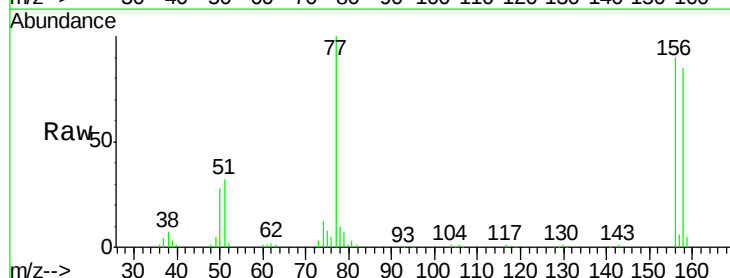
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

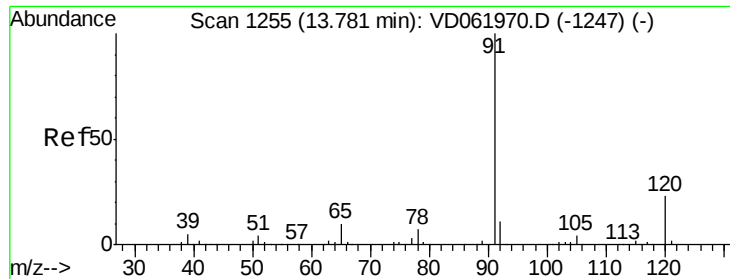
Tot Ion: 75 Resp: 84260
 Ion Ratio Lower Upper
 75 100
 77 34.7 16.4 49.4



#77
 Bromobenzene
 Concen: 18.976 ug/l
 RT: 13.66 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion: 156 Resp: 112608
 Ion Ratio Lower Upper
 156 100
 77 110.7 53.1 159.4
 158 94.5 49.4 148.0





#78

n-propylbenzene

Concen: 20.129 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

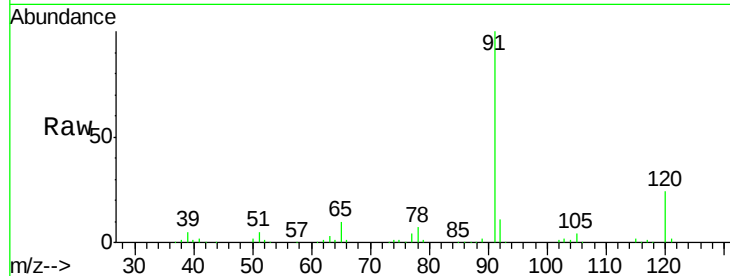
VD0506SBSD01

Tot Ion: 91 Resp: 476665

Ion Ratio Lower Upper

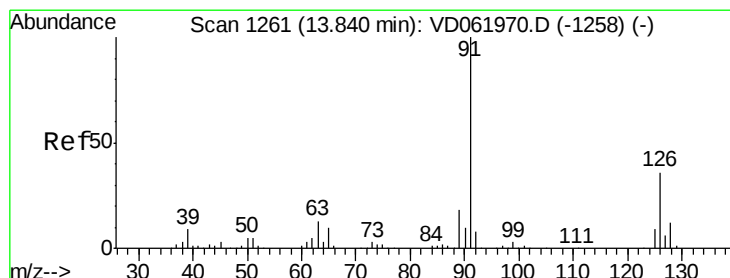
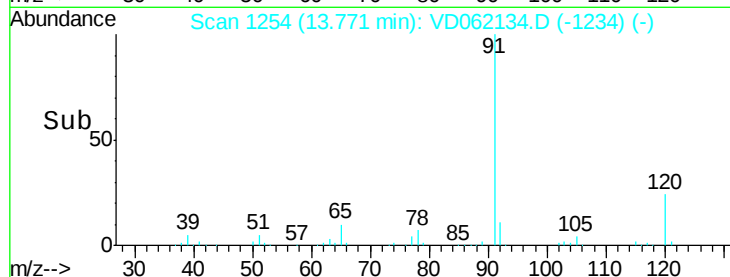
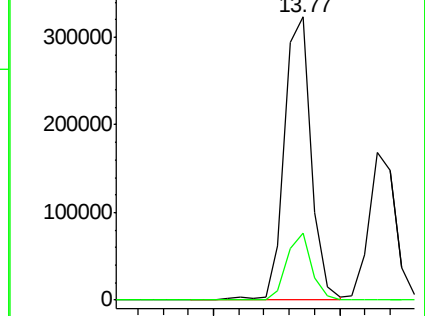
91 100

120 23.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#79

2-Chlorotoluene

Concen: 17.111 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD062134.D

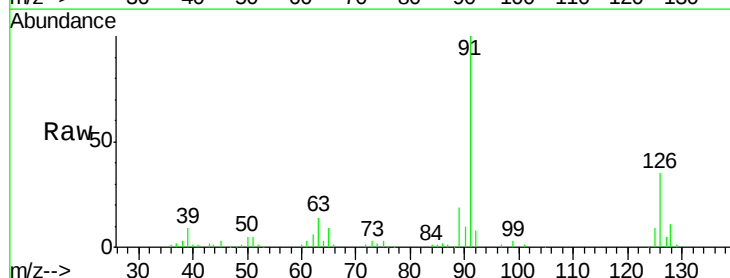
Acq: 6 May 2019 16:55

Tgt Ion: 91 Resp: 245436

Ion Ratio Lower Upper

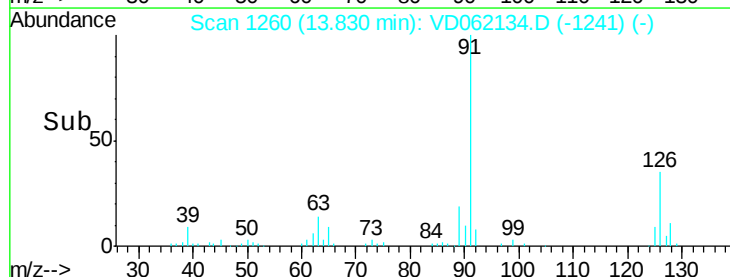
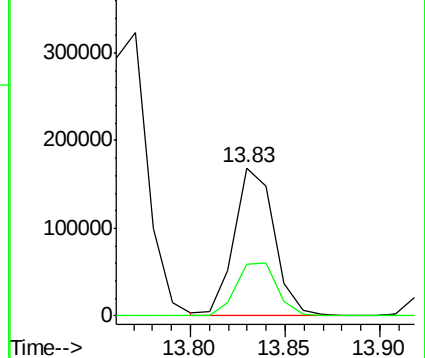
91 100

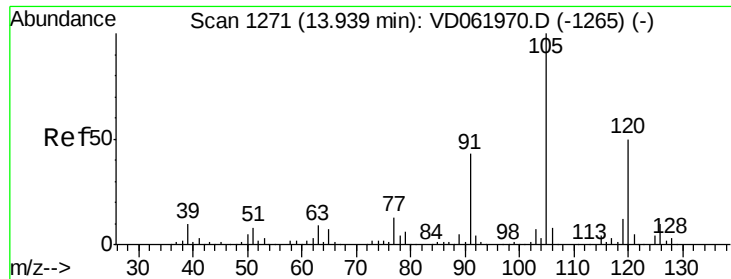
126 35.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

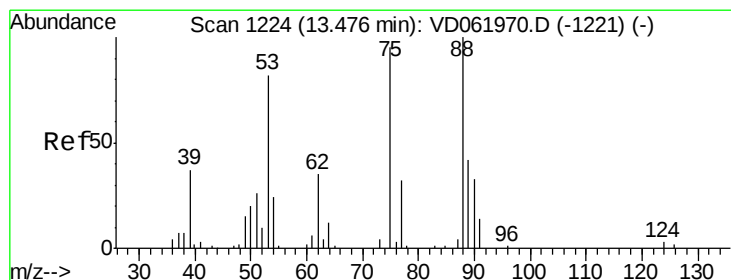
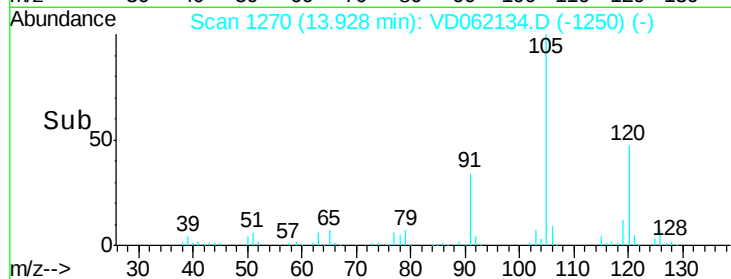
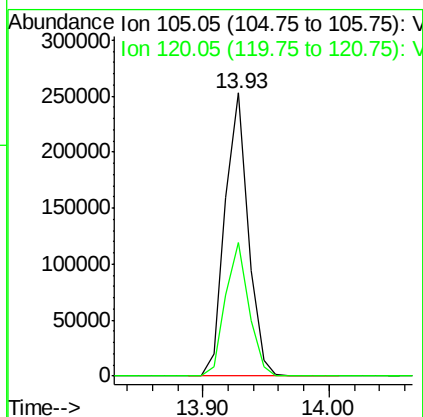
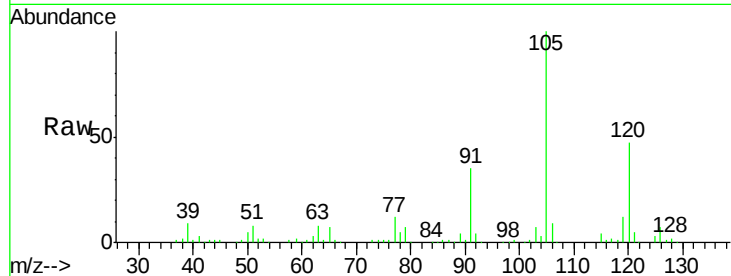




#80
 1,3,5-Trimethylbenzene
 Concen: 19.467 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

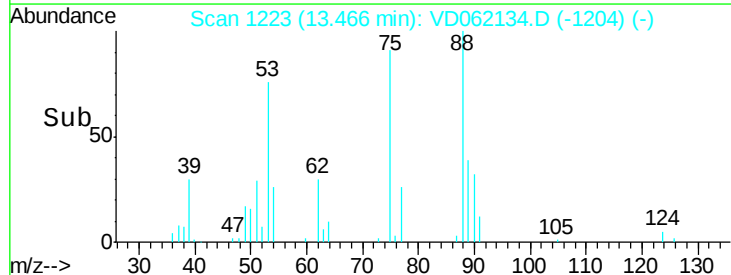
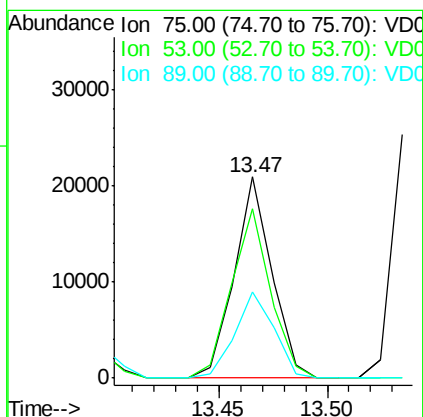
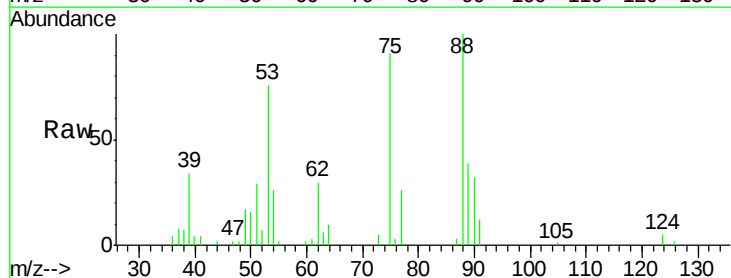
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

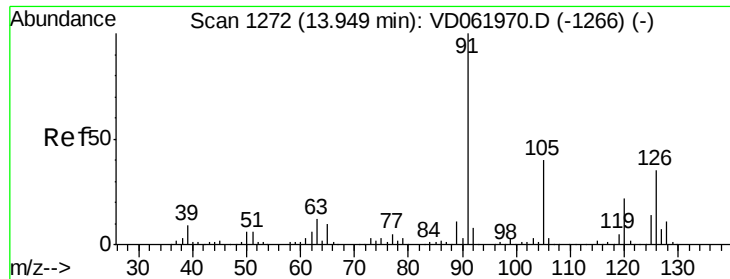
Tot Ion:105 Resp: 321097
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 21.070 ug/l
 RT: 13.47 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion: 75 Resp: 25144
 Ion Ratio Lower Upper
 75 100
 53 84.5 65.8 98.8
 89 42.5 35.0 52.6

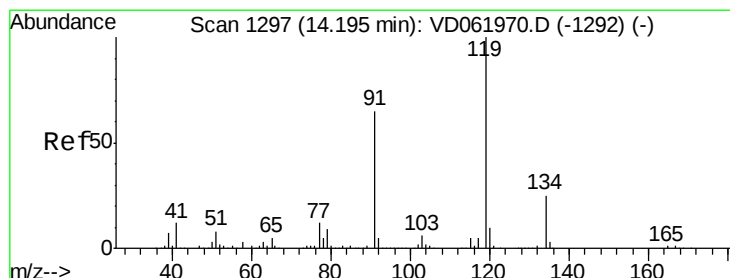
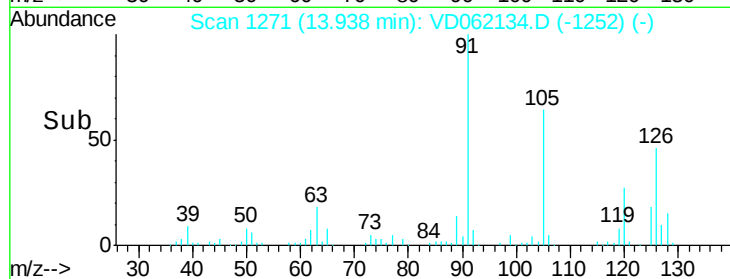
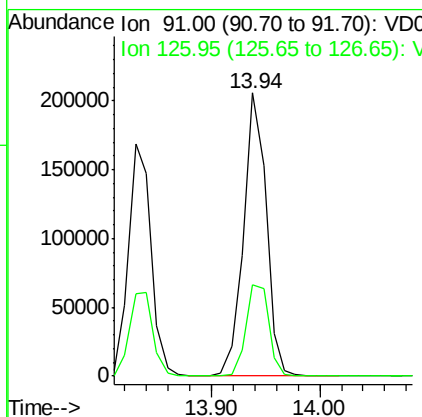
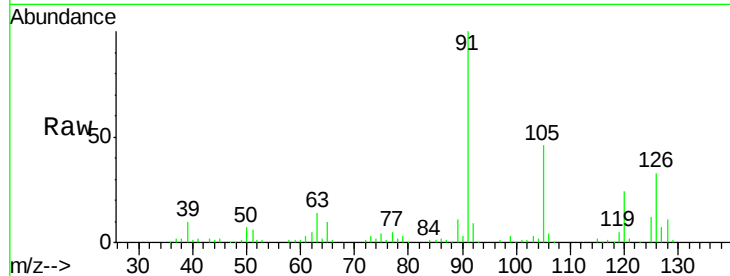




#82
4-Chlorotoluene
Concen: 19.102 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

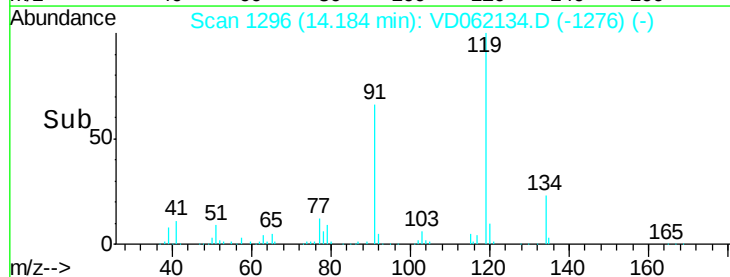
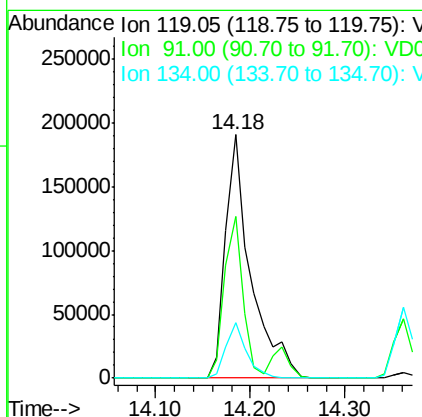
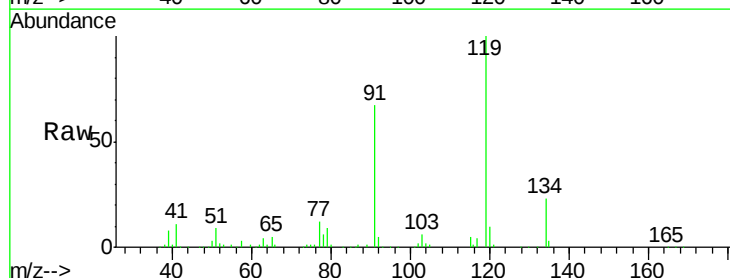
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

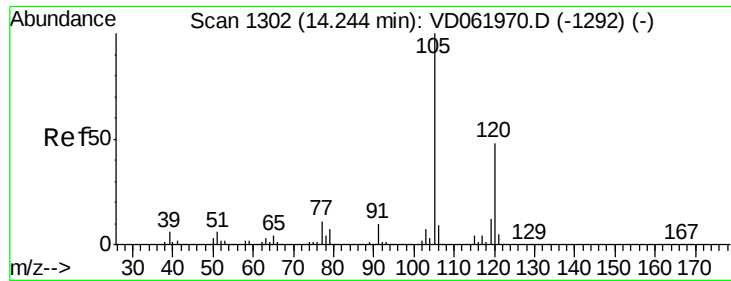
Tot Ion: 91 Resp: 301745
Ion Ratio Lower Upper
91 100
126 32.5 19.1 57.5



#83
tert-Butylbenzene
Concen: 18.537 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion: 119 Resp: 354198
Ion Ratio Lower Upper
119 100
91 66.6 34.2 102.6
134 22.6 12.0 36.0

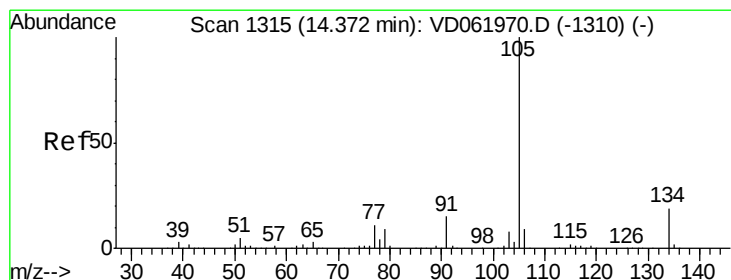
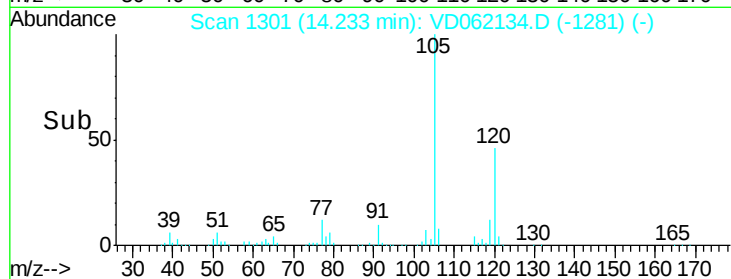
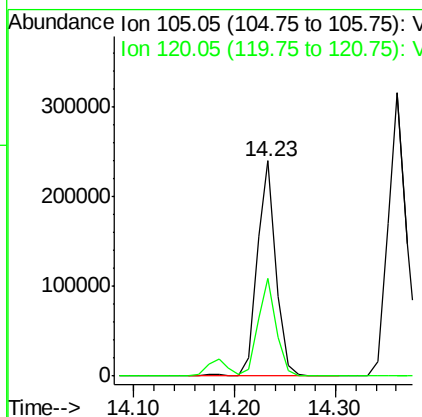
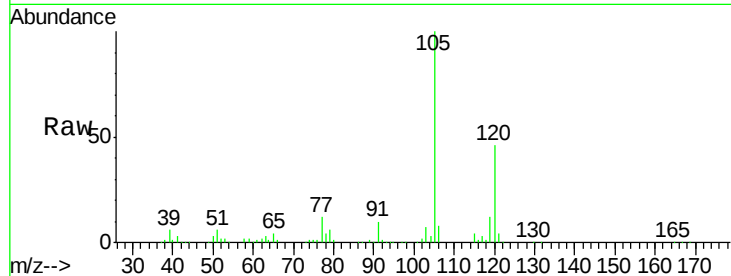




#84
 1,2,4-Trimethylbenzene
 Concen: 19.689 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

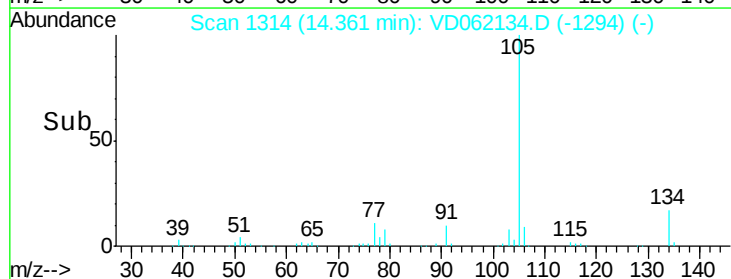
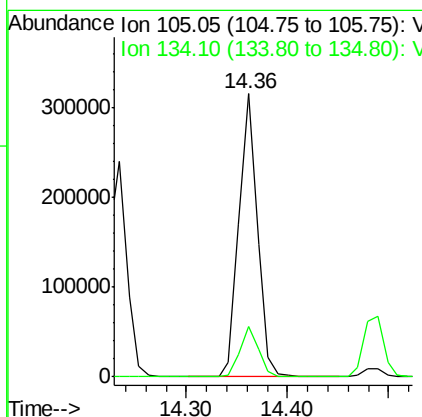
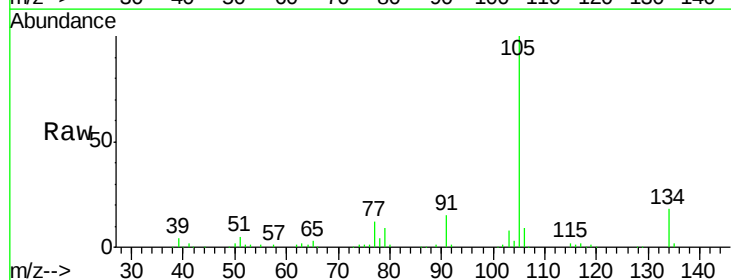
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

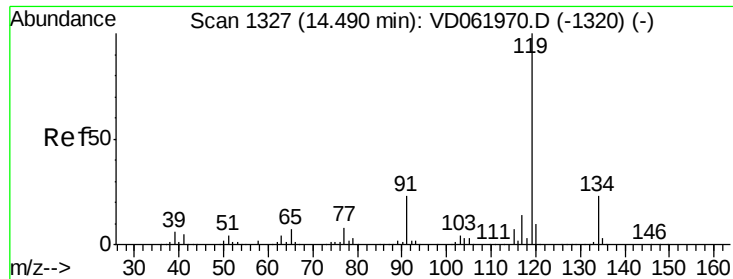
Tot Ion:105 Resp: 310090
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 19.430 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion:105 Resp: 401156
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.9 26.7

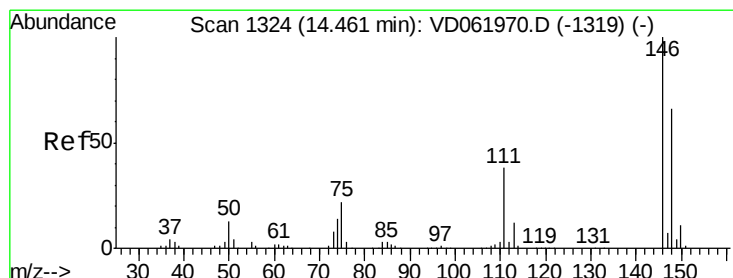
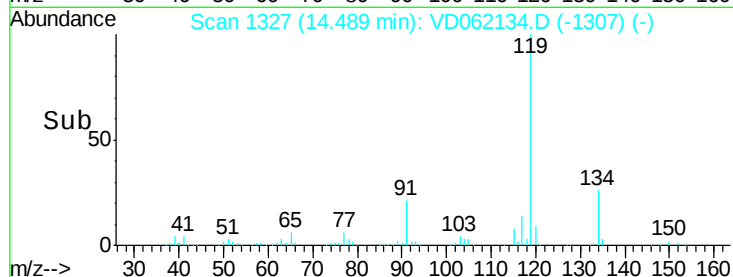
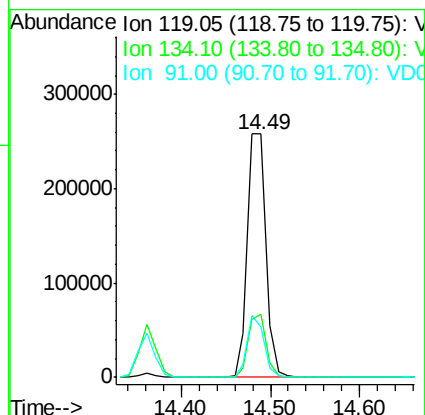
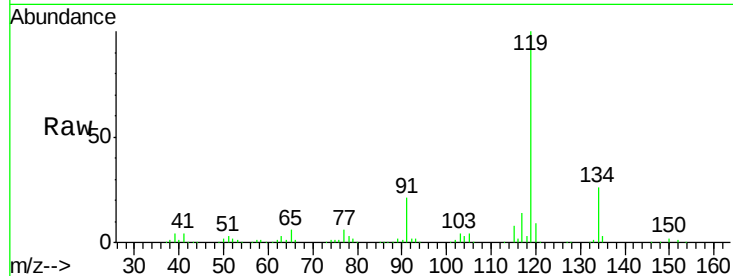




#86
 p-Isopropyltoluene
 Concen: 20.126 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

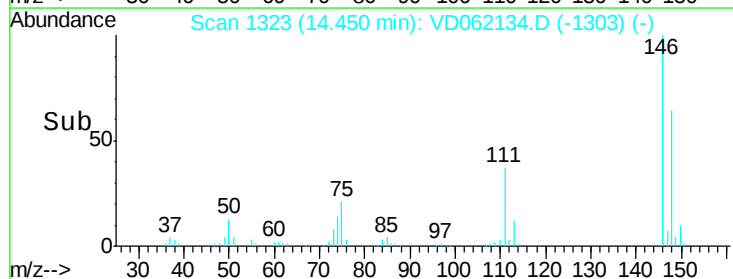
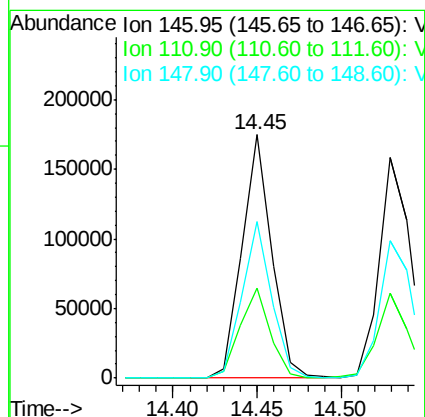
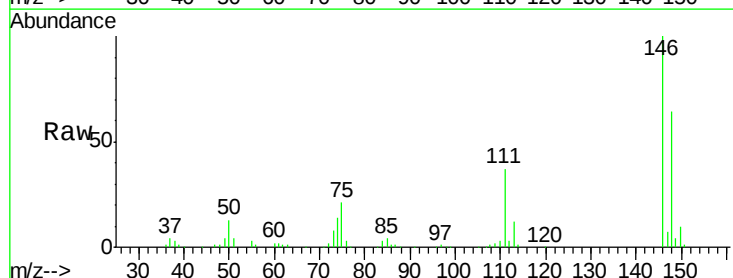
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

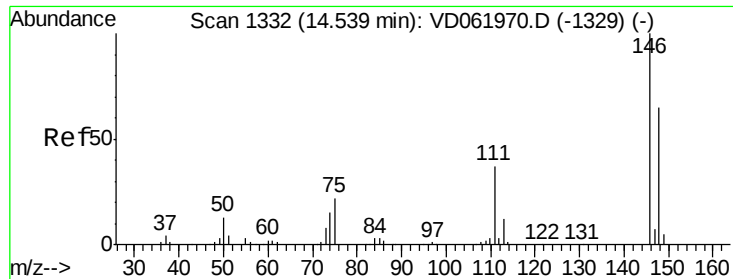
Tot Ion:119 Resp: 371877
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.3
 91 20.7 10.7 32.1



#87
 1,3-Dichlorobenzene
 Concen: 20.578 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion:146 Resp: 213847
 Ion Ratio Lower Upper
 146 100
 111 37.0 20.0 60.0
 148 64.2 31.8 95.4

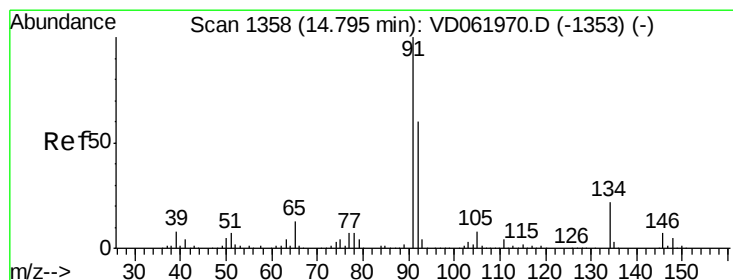
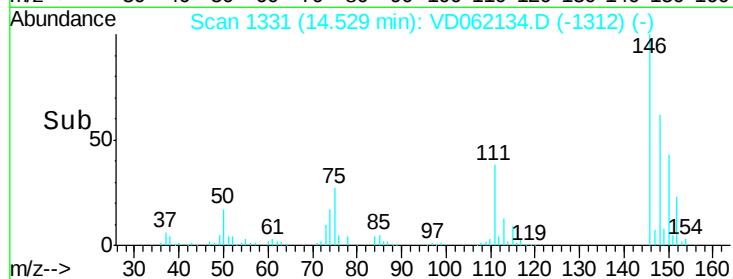
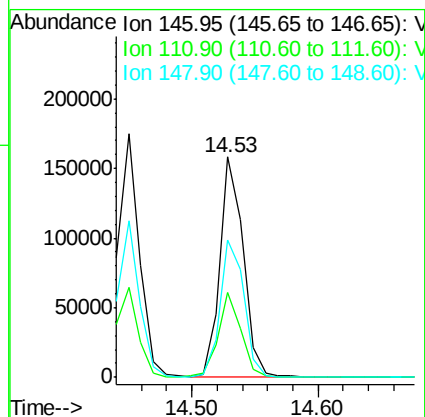
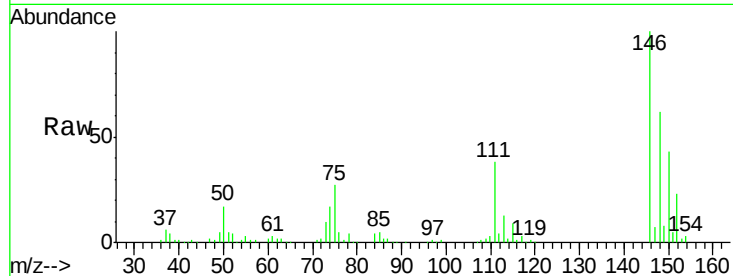




#88
 1,4-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

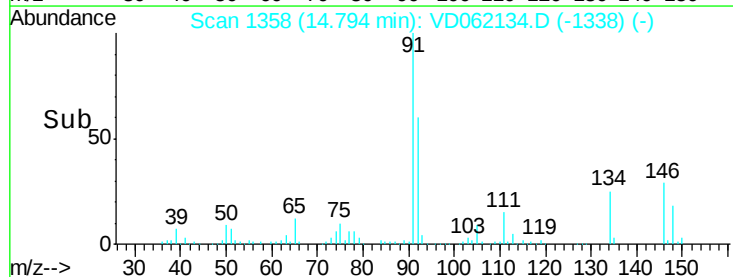
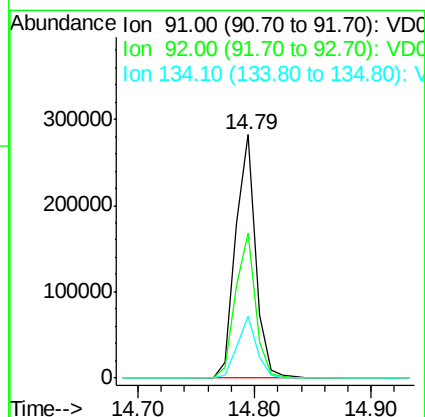
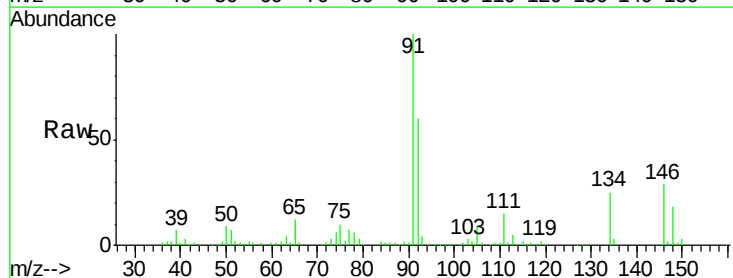
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

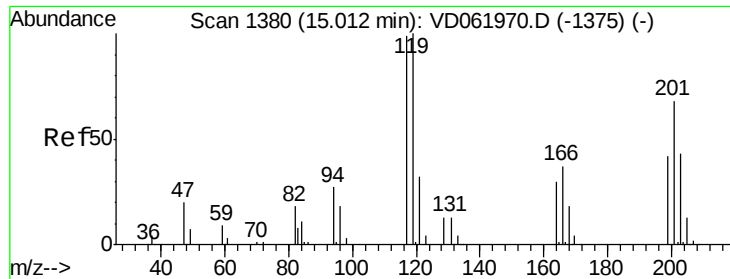
Tot Ion:146 Resp: 204554
 Ion Ratio Lower Upper
 146 100
 111 38.3 20.2 60.5
 148 62.3 32.0 96.2



#89
 n-Butylbenzene
 Concen: 20.340 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Tgt Ion: 91 Resp: 337412
 Ion Ratio Lower Upper
 91 100
 92 59.6 30.3 91.0
 134 25.5 14.5 43.6

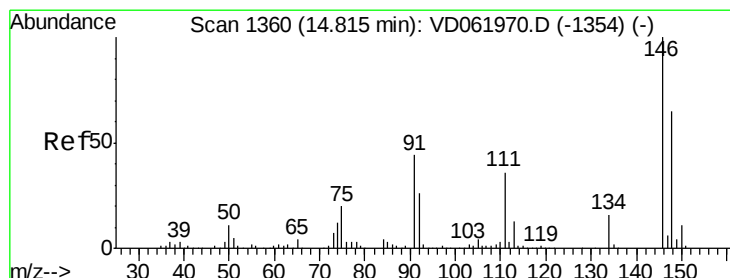
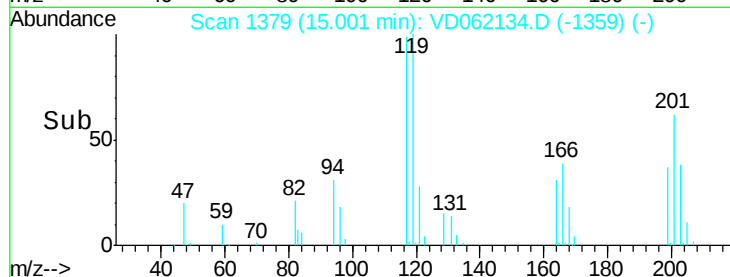
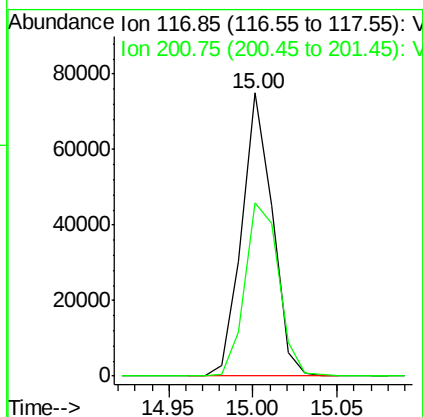
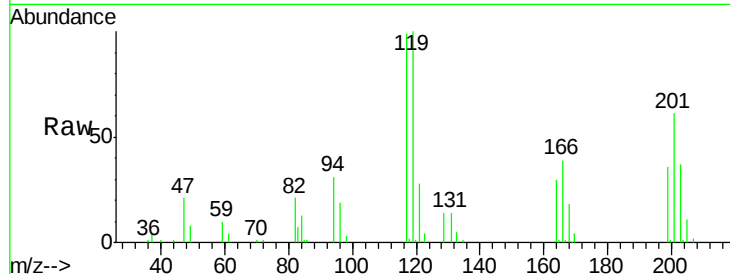




#90
Hexachloroethane
Concen: 18.934 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

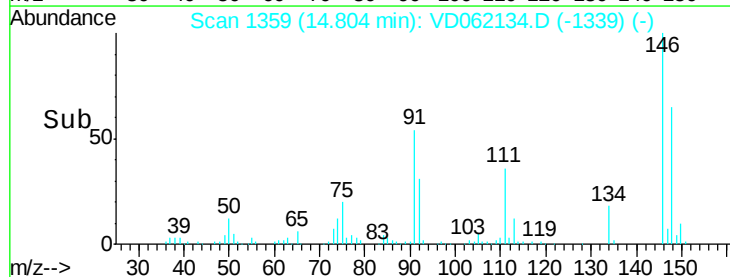
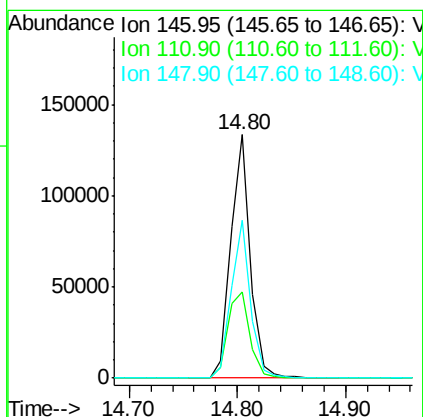
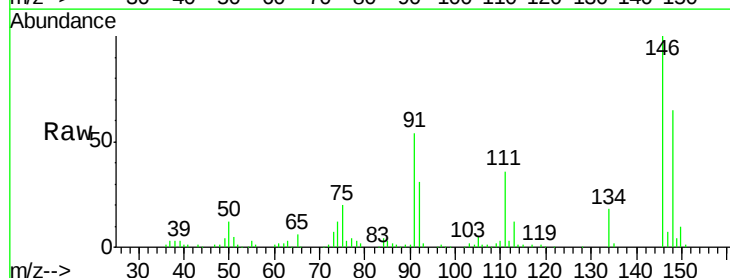
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBSD01

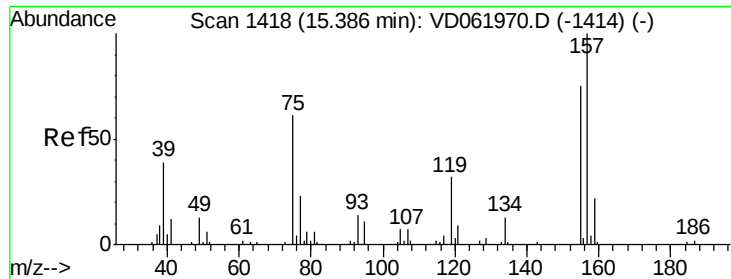
Tot Ion:117 Resp: 94605
Ion Ratio Lower Upper
117 100
201 61.3 30.2 90.6



#91
1,2-Dichlorobenzene
Concen: 19.539 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. -0.01 min
Lab File: VD062134.D
Acq: 6 May 2019 16:55

Tgt Ion:146 Resp: 167494
Ion Ratio Lower Upper
146 100
111 35.6 20.0 59.9
148 65.0 32.3 96.8





#92

1,2-Dibromo-3-Chloropropane

Concen: 21.313 ug/l

RT: 15.38 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBSD01

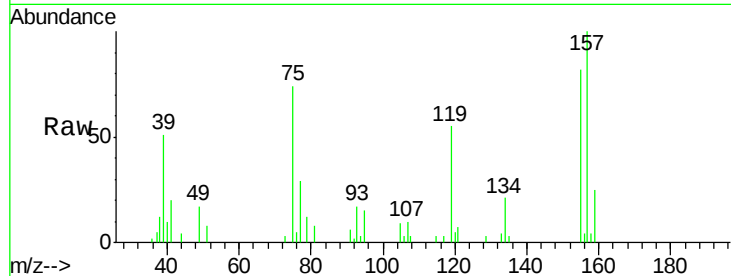
Tot Ion: 75 Resp: 11808

Ion Ratio Lower Upper

75 100

155 111.0 55.3 165.8

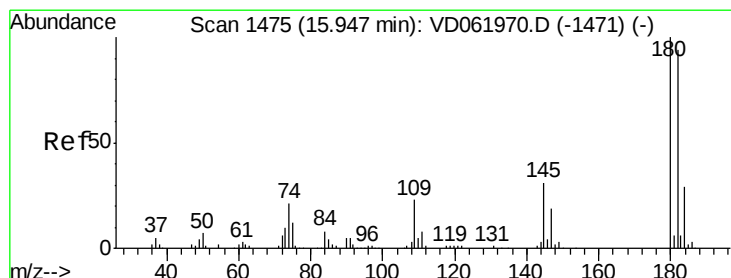
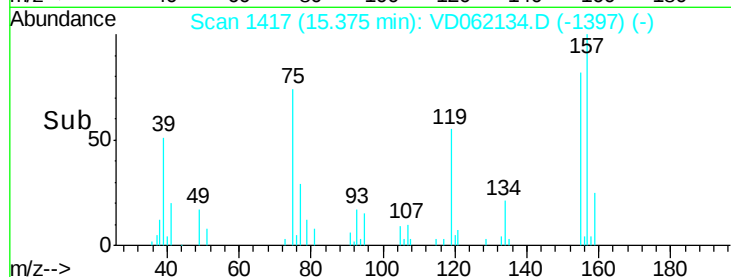
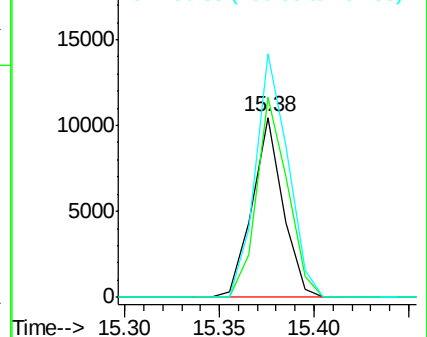
157 135.3 67.8 203.2



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#93

1,2,4-Trichlorobenzene

Concen: 22.399 ug/l

RT: 15.94 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

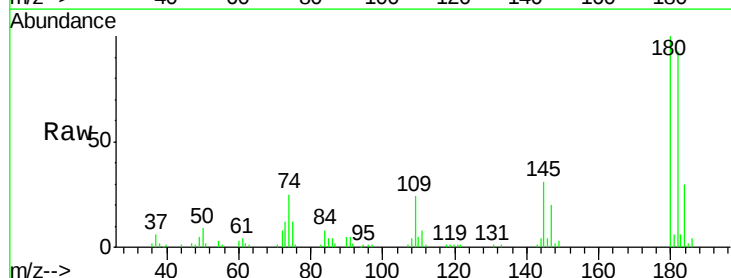
Tgt Ion:180 Resp: 103600

Ion Ratio Lower Upper

180 100

182 92.7 49.3 147.8

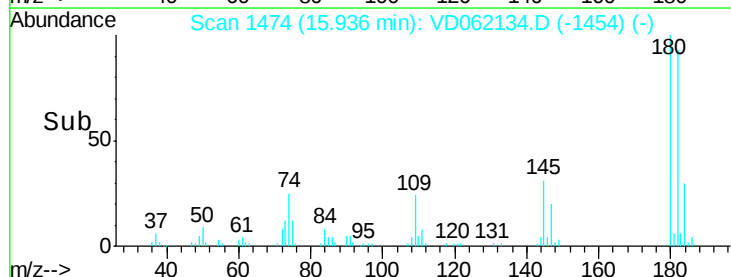
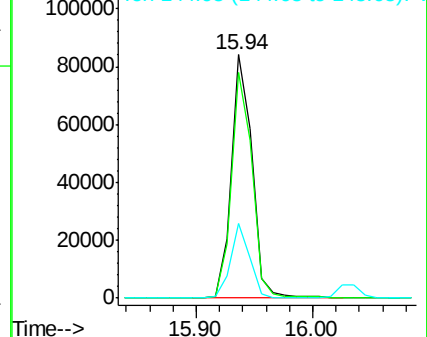
145 30.9 16.2 48.6

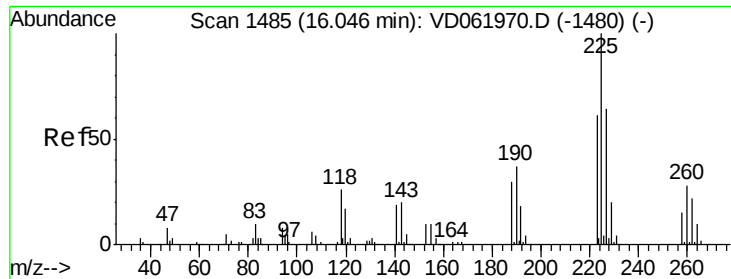


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#94

Hexachlorobutadiene

Concen: 23.245 ug/l

RT: 16.03 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

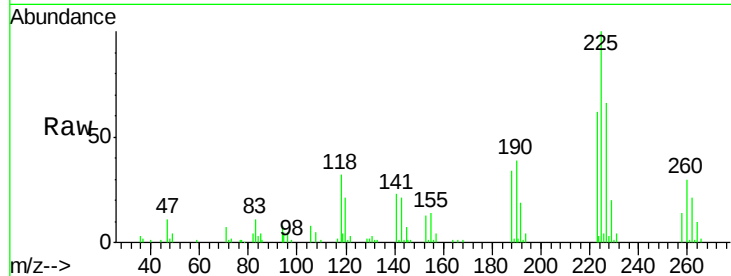
Tot Ion:225 Resp: 79564

Ion Ratio Lower Upper

225 100

223 61.7 30.6 92.0

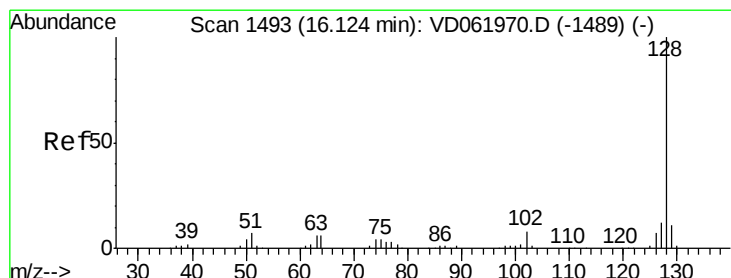
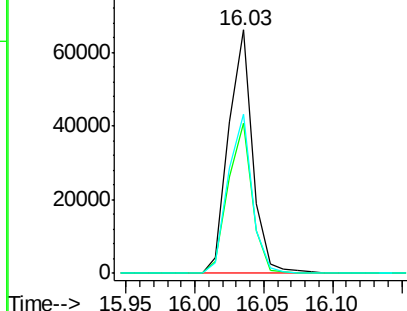
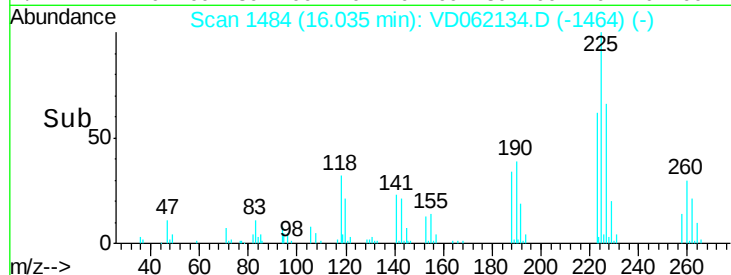
227 65.5 32.0 96.2



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: 25.079 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VD062134.D

Acq: 6 May 2019 16:55

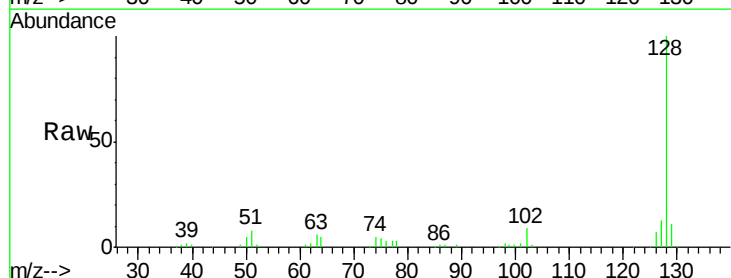
Tgt Ion:128 Resp: 187284

Ion Ratio Lower Upper

128 100

127 13.2 9.8 14.8

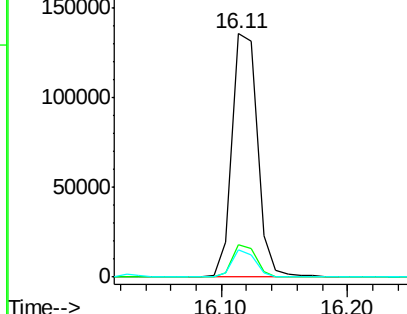
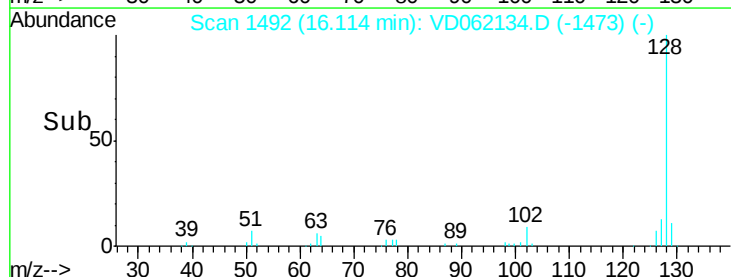
129 11.0 8.8 13.2

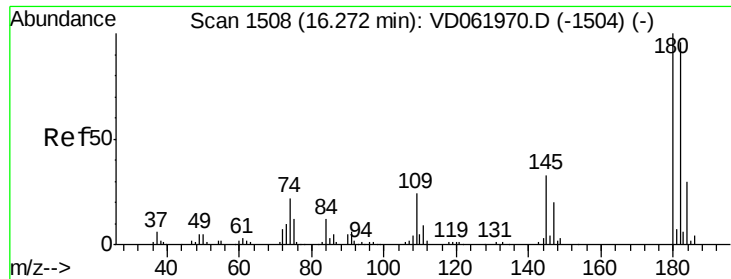


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

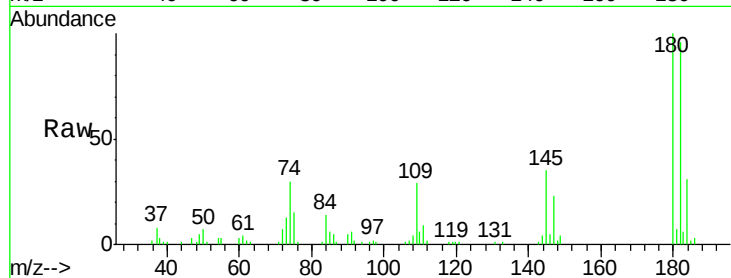




#96
 1,2,3-Trichlorobenzene
 Concen: 27.980 ug/l
 RT: 16.26 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: VD062134.D
 Acq: 6 May 2019 16:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBSD01

Tot Ion:180 Resp: 73426
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.0 141.0
 145 34.9 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

