

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050619\
 Data File : VD062128.D
 Acq On : 6 May 2019 13:59
 Operator : FY/SY
 Sample : VD0506SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Quant Time: May 07 05:08:51 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	533029	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	799177	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	703475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	328714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	219378	52.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	6.92	113	317166	57.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.76%	
50) Toluene-d8	10.40	98	701270	53.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	13.55	95	294802	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds

						Qvalue
3) Chloromethane	1.73	50	5141	1.271	ug/l	93
4) Vinyl Chloride	1.84	62	7294	1.989	ug/l #	82
5) Bromomethane	2.13	94	6384	5.189	ug/l	96
6) Chloroethane	2.24	64	7165	5.406	ug/l	97
7) Trichlorofluoromethane	2.52	101	56924	10.268	ug/l	95
8) Diethyl Ether	2.86	74	21500	14.470	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.14	101	69494	13.608	ug/l	99
10) Methyl Iodide	3.29	142	42921	10.346	ug/l	96
11) Tert butyl alcohol	4.05	59	26353	111.804	ug/l	100
12) 1,1-Dichloroethene	3.12	96	49208	11.326	ug/l	94
13) Acrolein	3.03	56	18556	75.874	ug/l	93
14) Allyl chloride	3.61	41	83766	14.119	ug/l	96
15) Acrylonitrile	4.18	53	69672	95.457	ug/l	94
16) Acetone	3.20	43	95312	95.685	ug/l	93
17) Carbon Disulfide	3.36	76	60893	4.850	ug/l	98
18) Methyl Acetate	3.63	43	37324	19.335	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	166540	19.319	ug/l	95
20) Methylene Chloride	3.81	84	77073	13.570	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	67216	13.486	ug/l	97
22) Diisopropyl ether	5.10	45	270122	19.501	ug/l	97
23) Vinyl Acetate	5.04	43	725093	100.521	ug/l	99
24) 1,1-Dichloroethane	4.97	63	155212	18.540	ug/l	99
25) 2-Butanone	6.05	43	126356	104.626	ug/l	100
26) 2,2-Dichloropropane	6.01	77	140907	19.293	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	104667	18.459	ug/l	95
28) Bromochloromethane	6.42	49	73199	22.851	ug/l	98
29) Tetrahydrofuran	6.44	42	61846	103.932	ug/l	98
30) Chloroform	6.66	83	189552	19.934	ug/l	99
31) Cyclohexane	6.96	56	74671	12.016	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	158095	19.108	ug/l	98
36) 1,1-Dichloropropene	7.13	75	113983	18.306	ug/l	96
37) Ethyl Acetate	6.17	43	60338	22.741	ug/l #	94
38) Carbon Tetrachloride	7.10	117	156816	19.875	ug/l	98
39) Methylcyclohexane	8.86	83	98746	16.074	ug/l	98

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Quant Time: May 07 05:08:51 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)
40) Benzene	7.45	78	281371	18.253	ug/l	97
41) Methacrylonitrile	6.43	41	70006	22.613	ug/l	94
42) 1,2-Dichloroethane	7.58	62	113925	21.767	ug/l	100
43) Isopropyl Acetate	9.23	43	86370	22.278	ug/l	98
44) Trichloroethene	8.53	130	119492	19.995	ug/l	99
45) 1,2-Dichloropropane	8.92	63	77365	19.784	ug/l	99
46) Dibromomethane	9.05	93	58876	20.924	ug/l	93
47) Bromodichloromethane	9.37	83	145442	21.875	ug/l	99
48) Methyl methacrylate	9.11	41	47830	21.623	ug/l	98
49) 1,4-Dioxane	9.06	88	11406	478.287	ug/l	88
51) 4-Methyl-2-Pentanone	10.29	43	277739	117.144	ug/l	99
52) Toluene	10.50	92	197129	20.057	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	129373	23.182	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	152324	22.441	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	70988	21.514	ug/l	97
56) Ethyl methacrylate	11.04	69	79485	21.750	ug/l	95
57) 1,3-Dichloropropane	11.40	76	104885	20.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	243809	143.495	ug/l	97
59) 2-Hexanone	11.52	43	228796	128.643	ug/l	97
60) Dibromochloromethane	11.68	129	127129	23.285	ug/l	99
61) 1,2-Dibromoethane	11.80	107	81500	20.822	ug/l	97
64) Tetrachloroethene	11.26	164	87022	17.341	ug/l	95
65) Chlorobenzene	12.40	112	260346	19.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	102840	18.238	ug/l	98
67) Ethyl Benzene	12.52	91	383018	17.653	ug/l	97
68) m/p-Xylenes	12.66	106	294343	37.535	ug/l	99
69) o-Xylene	13.05	106	156318	21.786	ug/l	95
70) Stvrene	13.07	104	270467	21.831	ug/l	99
71) Bromoform	13.24	173	70319	21.874	ug/l	98
73) Isopropylbenzene	13.40	105	440749	20.100	ug/l	99
74) N-amyl acetate	13.27	43	116878	20.697	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	88502	20.596	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	82297	19.716	ug/l	98
77) Bromobenzene	13.67	156	116478	18.517	ug/l	97
78) n-propylbenzene	13.77	91	497934	19.837	ug/l	97
79) 2-Chlorotoluene	13.84	91	269638	17.734	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	343873	19.668	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	24920	19.701	ug/l	98
82) 4-Chlorotoluene	13.94	91	324207	19.362	ug/l	94
83) tert-Butylbenzene	14.19	119	421125	20.792	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	353974	21.203	ug/l	94
85) sec-Butylbenzene	14.37	105	391844	17.905	ug/l	100
86) p-Isopropyltoluene	14.49	119	378073	19.303	ug/l	95
87) 1,3-Dichlorobenzene	14.46	146	220003	19.972	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	216749	21.040	ug/l	96
89) n-Butylbenzene	14.79	91	354079	20.136	ug/l	95
90) Hexachloroethane	15.01	117	107525	20.302	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	188079	20.699	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12543	21.353	ug/l	93
93) 1,2,4-Trichlorobenzene	15.94	180	111286	22.699	ug/l	98

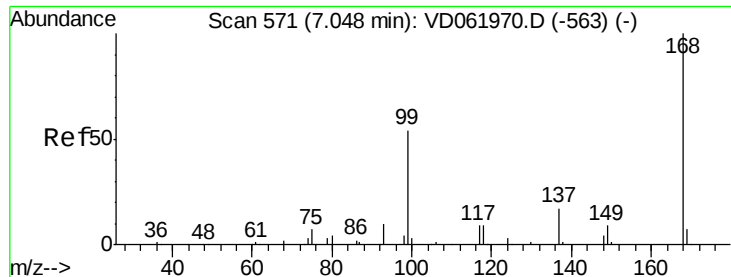
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD050619\
Data File : VD062128.D
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Quant Title : SW846 8260
QLast Update : Thu May 02 07:55:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	16.03	225	81208	22.383	ug/l	97
95) Naphthalene	16.12	128	187236	23.653	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	75218	27.040	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

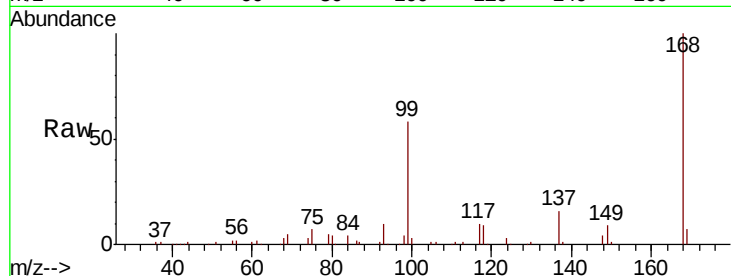
VD0506SBS01

Tot Ion:168 Resp: 533029

Ion Ratio Lower Upper

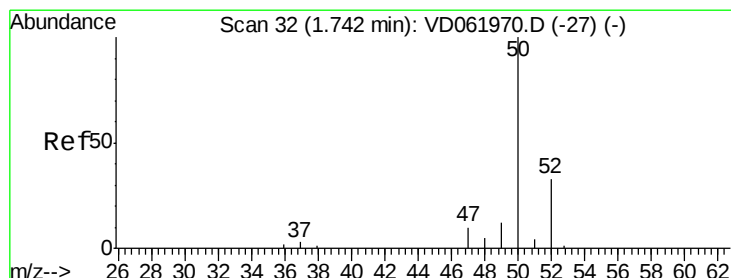
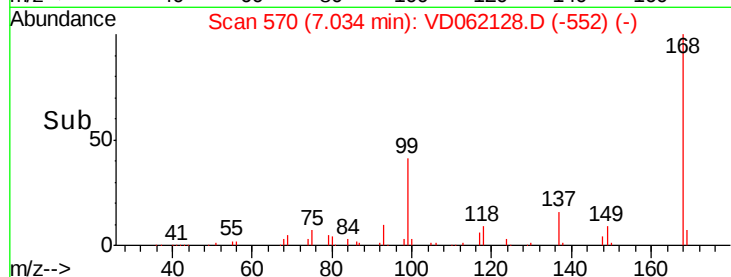
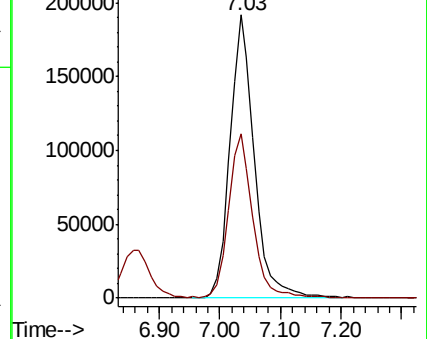
168 100

99 58.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 1.271 ug/l

RT: 1.73 min Scan# 31

Delta R.T. -0.03 min

Lab File: VD062128.D

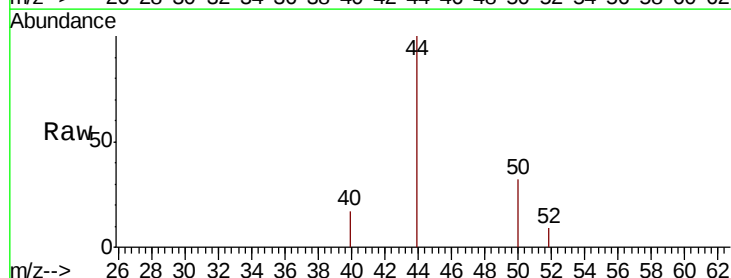
Acq: 6 May 2019 13:59

Tgt Ion: 50 Resp: 5141

Ion Ratio Lower Upper

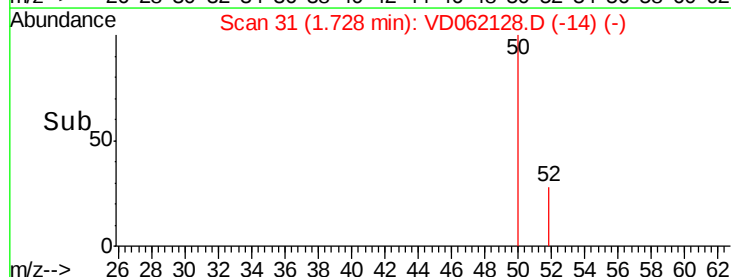
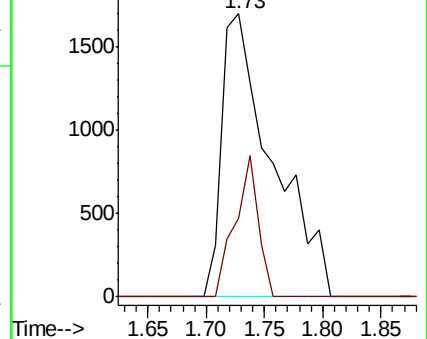
50 100

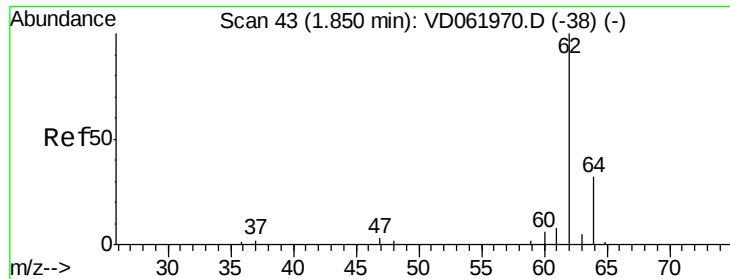
52 27.8 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.989 ug/l

RT: 1.84 min Scan# 42

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

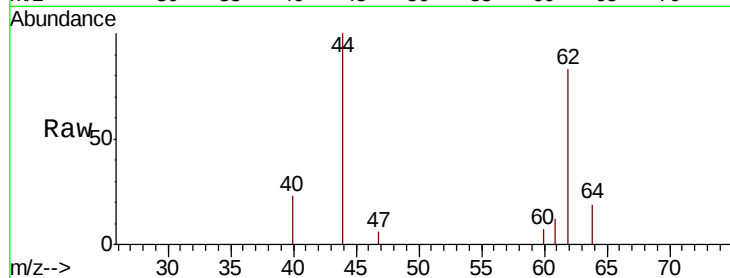
VD0506SBS01

Tot Ion: 62 Resp: 7294

Ion Ratio Lower Upper

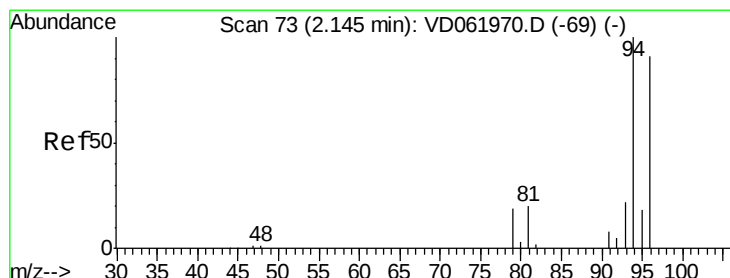
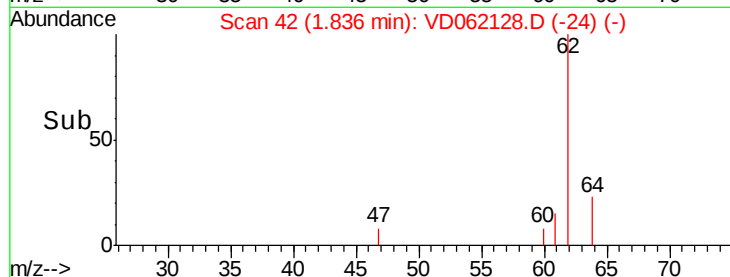
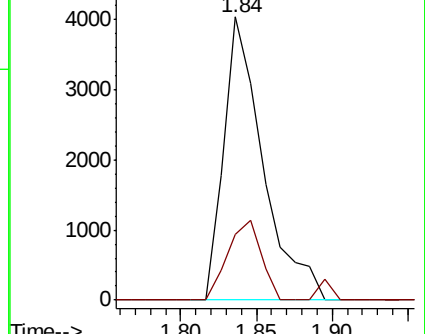
62 100

64 23.2 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: 5.189 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

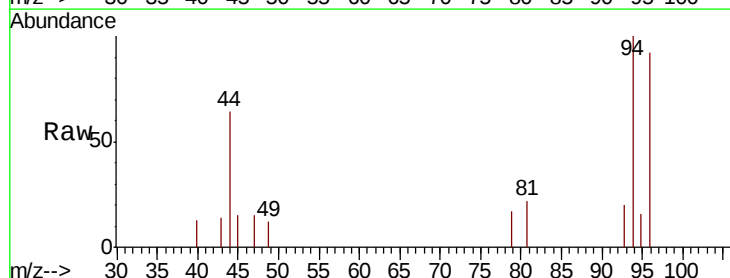
Tgt Ion: 94 Resp: 6384

Ion Ratio Lower Upper

94 100

96 92.5 76.6 115.0

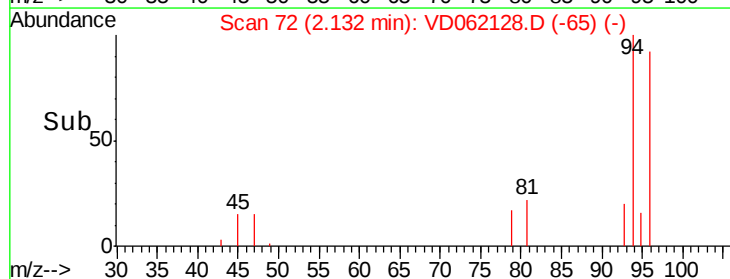
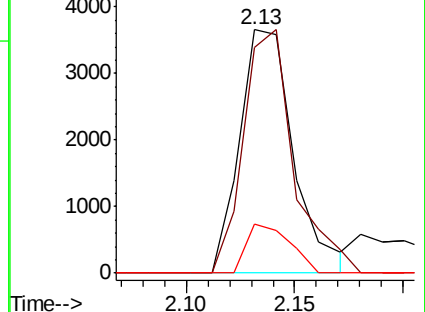
93 20.3 18.5 27.7

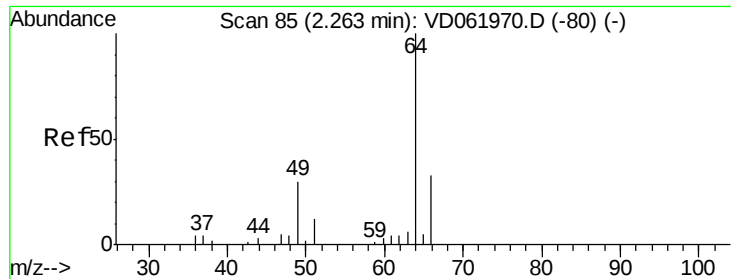


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 5.406 ug/l

RT: 2.24 min Scan# 83

Delta R.T. -0.04 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

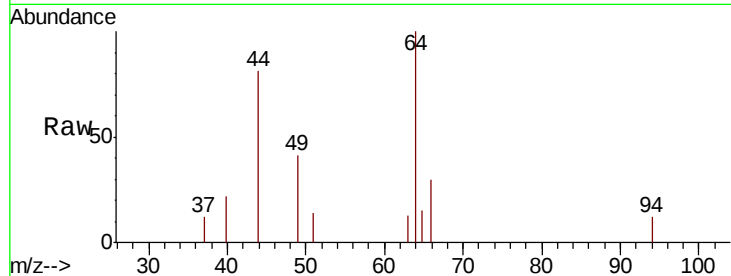
VD0506SBS01

Tot Ion: 64 Resp: 7165

Ion Ratio Lower Upper

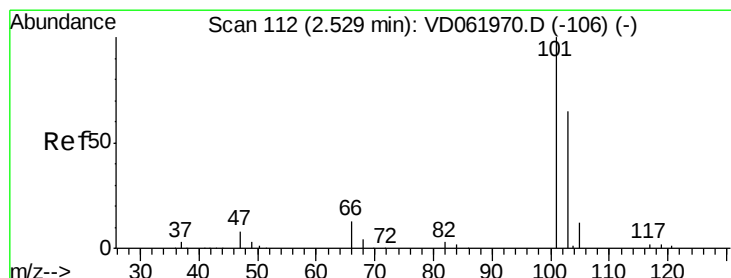
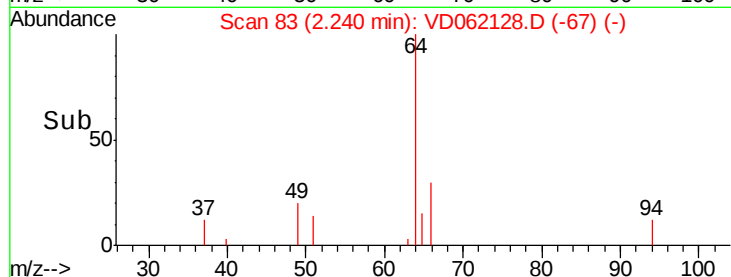
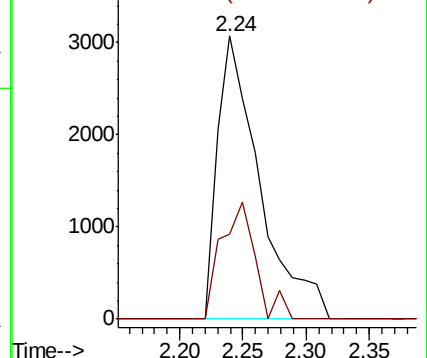
64 100

66 30.1 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 10.268 ug/l

RT: 2.52 min Scan# 111

Delta R.T. -0.03 min

Lab File: VD062128.D

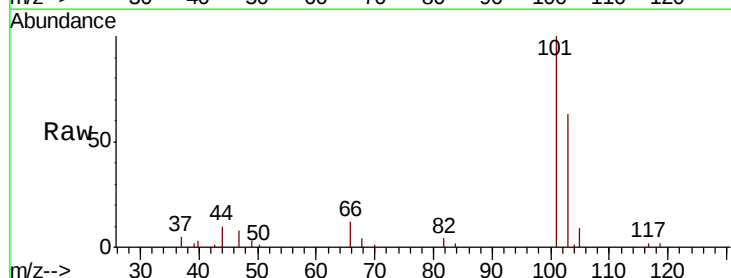
Acq: 6 May 2019 13:59

Tgt Ion:101 Resp: 56924

Ion Ratio Lower Upper

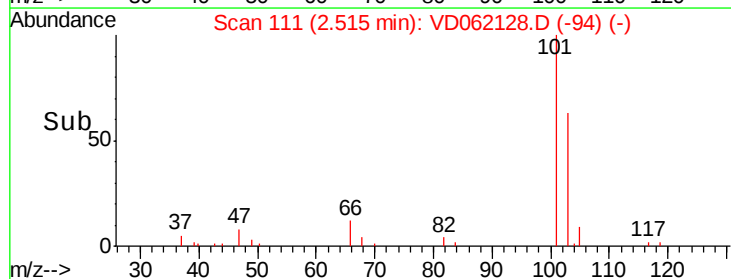
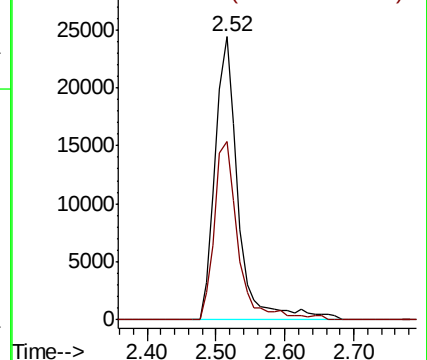
101 100

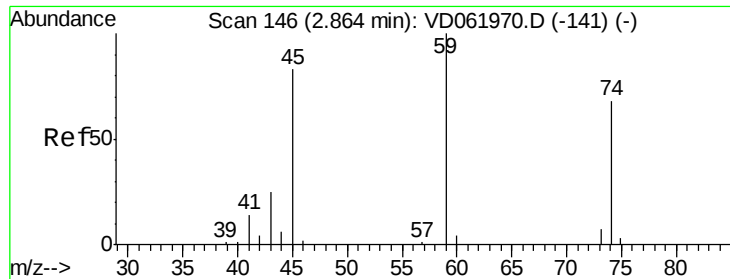
103 63.2 53.6 80.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#8

Diethyl Ether

Concen: 14.470 ug/l

RT: 2.86 min Scan# 146

Delta R.T. -0.02 min

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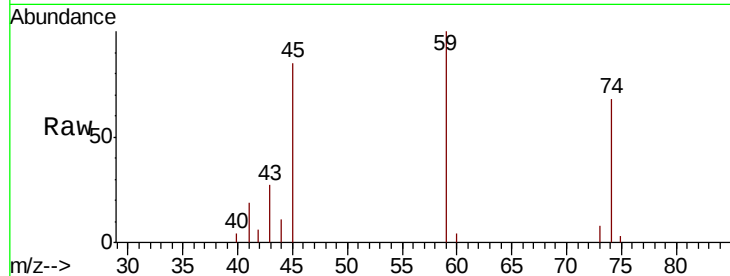
VD0506SBS01

Tot Ion: 74 Resp: 21500

Ion Ratio Lower Upper

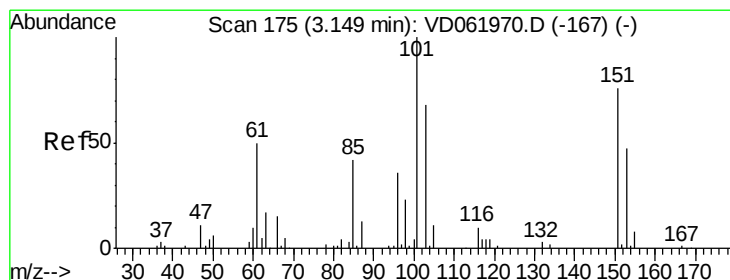
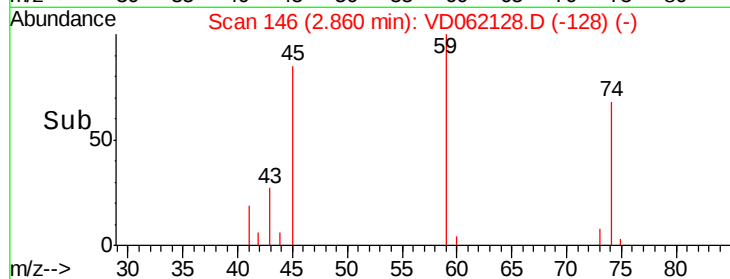
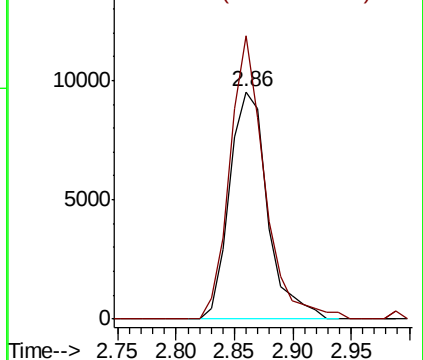
74 100

45 124.4 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: 13.608 ug/l

RT: 3.14 min Scan# 174

Delta R.T. -0.03 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

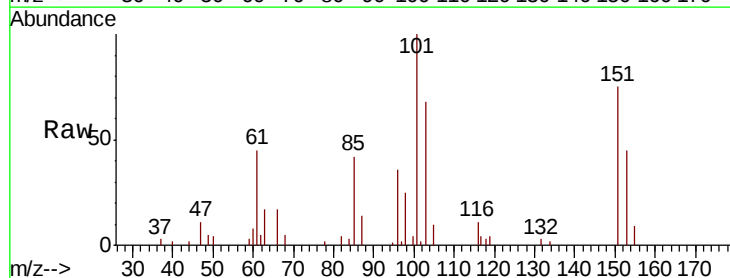
Tgt Ion: 101 Resp: 69494

Ion Ratio Lower Upper

101 100

85 42.3 32.4 48.6

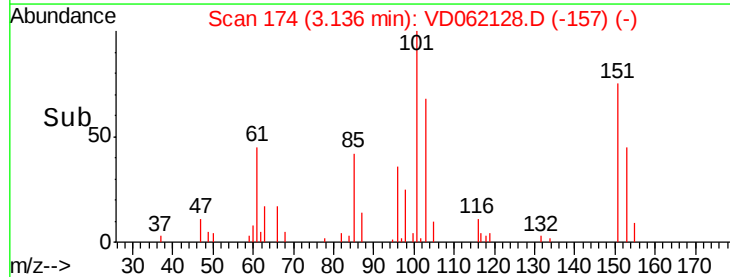
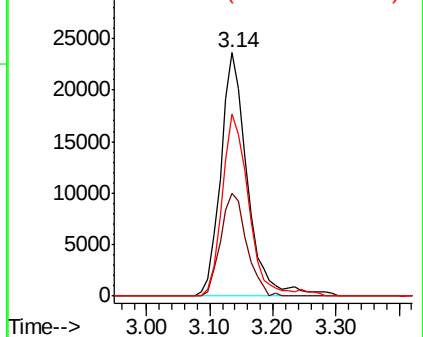
151 74.6 59.4 89.0

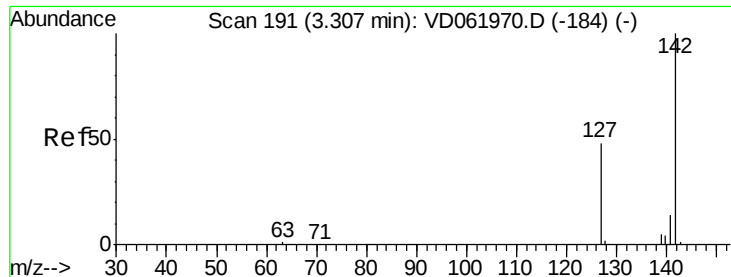


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

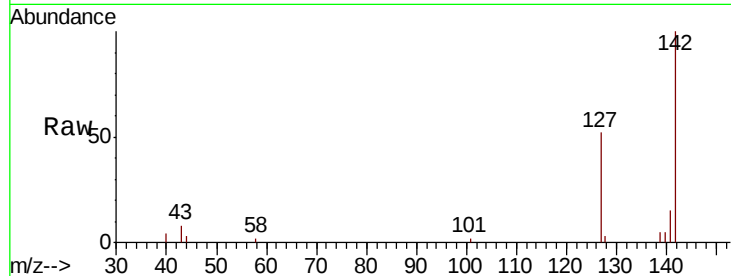




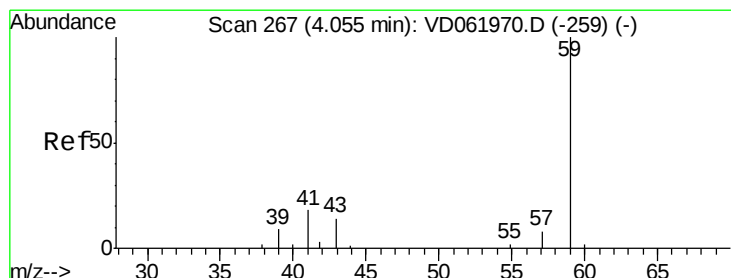
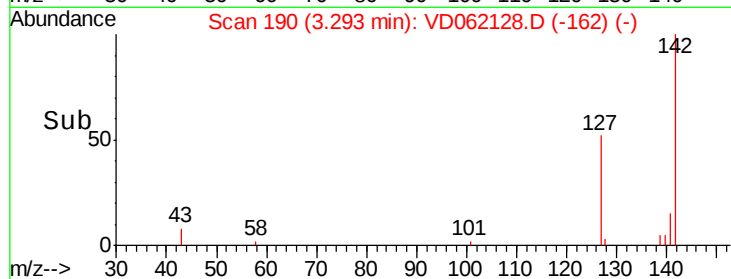
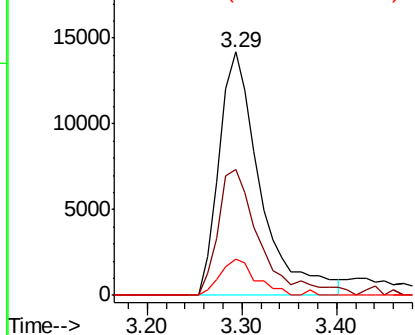
#10
Methvl Iodide
Concen: 10.346 ug/l
RT: 3.29 min Scan# 190
Delta R.T. -0.03 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:142 Resp: 42921
Ion Ratio Lower Upper
142 100
127 51.7 38.8 58.2
141 15.0 11.4 17.0

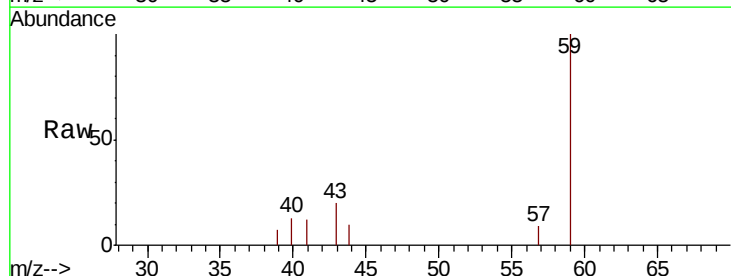


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

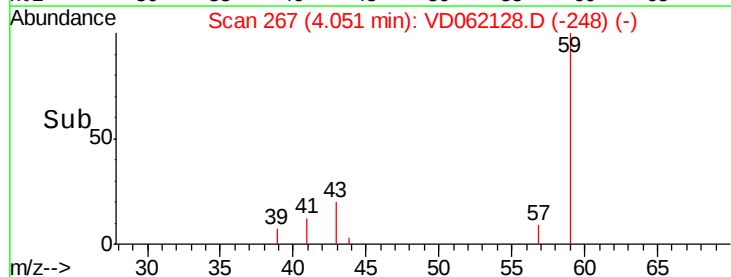
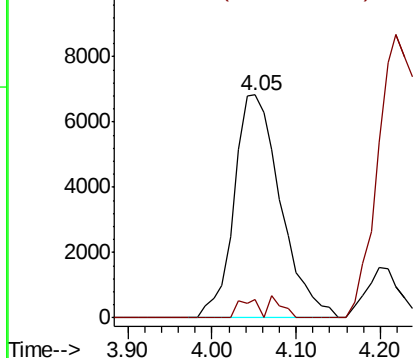


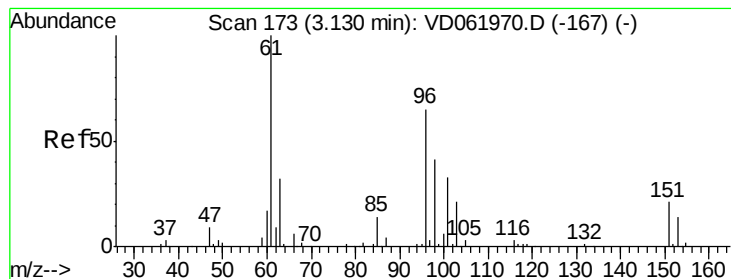
#11
Tert butyl alcohol
Concen: 111.804 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 59 Resp: 26353
Ion Ratio Lower Upper
59 100
57 8.5 6.9 10.3



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC





#12

1,1-Dichloroethene

Concen: 11.326 ug/l

RT: 3.12 min Scan# 172

Delta R.T. -0.03 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

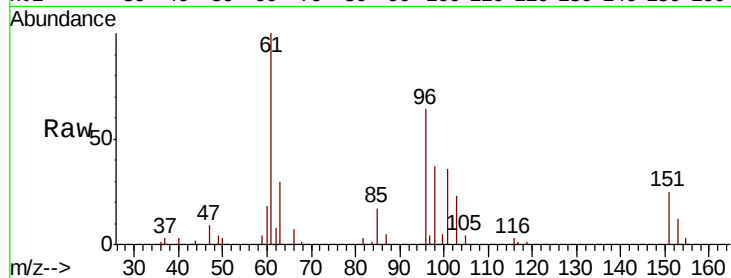
Tot Ion: 96 Resp: 49208

Ion Ratio Lower Upper

96 100

61 156.3 129.8 194.8

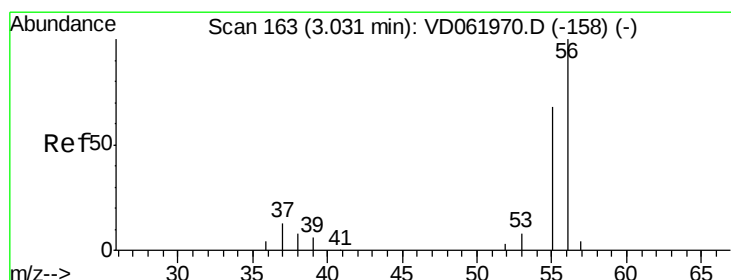
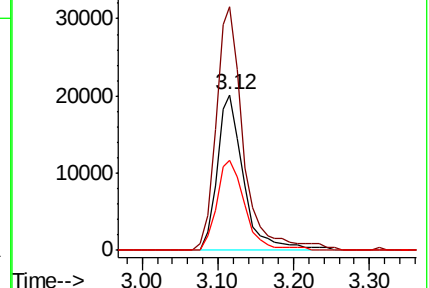
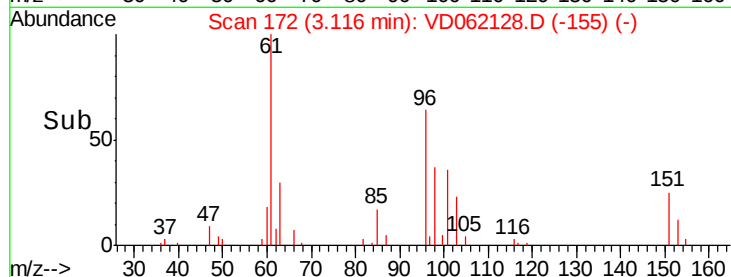
98 57.5 51.2 76.8



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: 75.874 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD062128.D

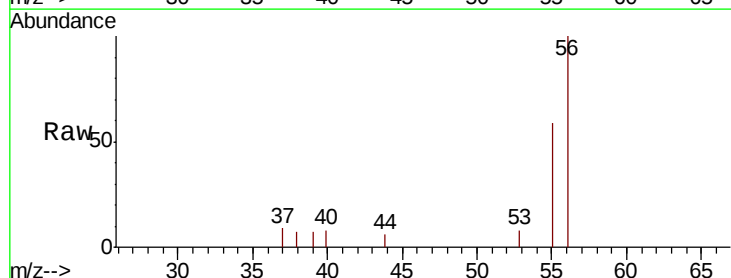
Acq: 6 May 2019 13:59

Tgt Ion: 56 Resp: 18556

Ion Ratio Lower Upper

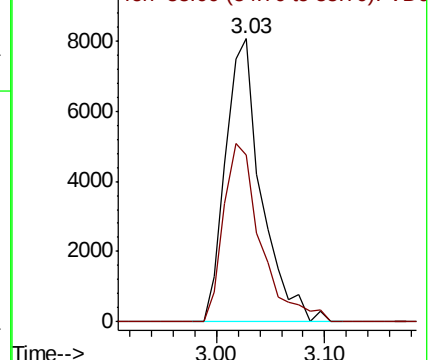
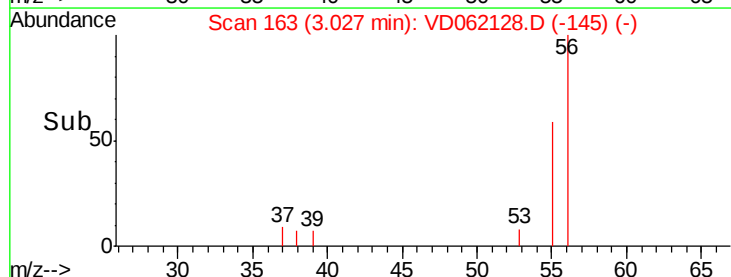
56 100

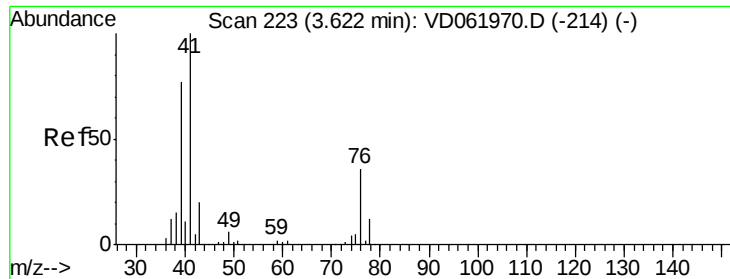
55 58.8 51.4 77.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#14

Allvl chloride

Concen: 14.119 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.03 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

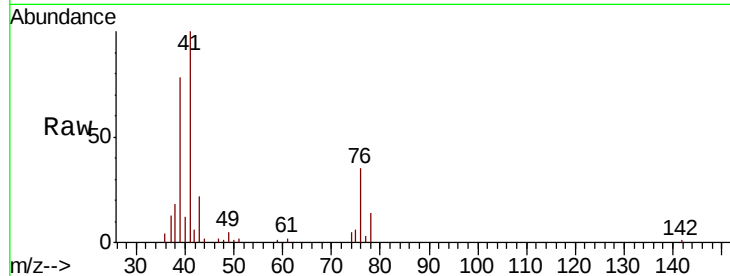
Tot Ion: 41 Resp: 83766

Ion Ratio Lower Upper

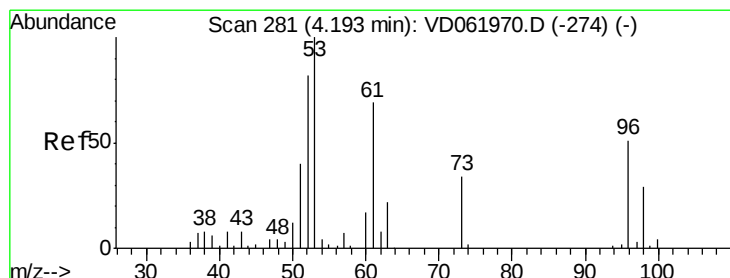
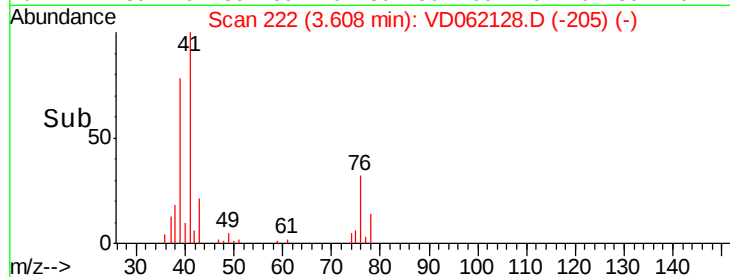
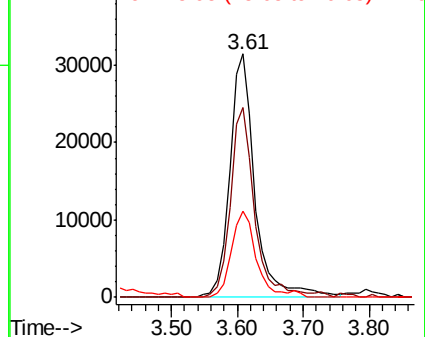
41 100

39 77.8 60.5 90.7

76 35.3 31.8 47.8



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC



#15

Acrylonitrile

Concen: 95.457 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

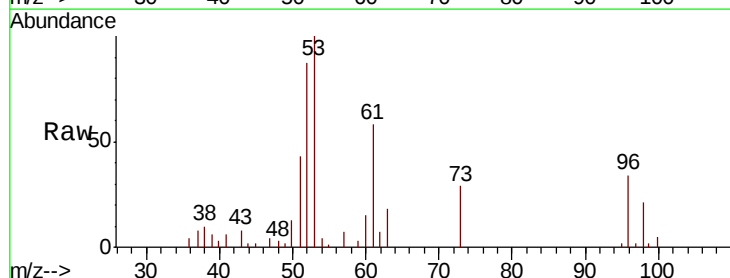
Tgt Ion: 53 Resp: 69672

Ion Ratio Lower Upper

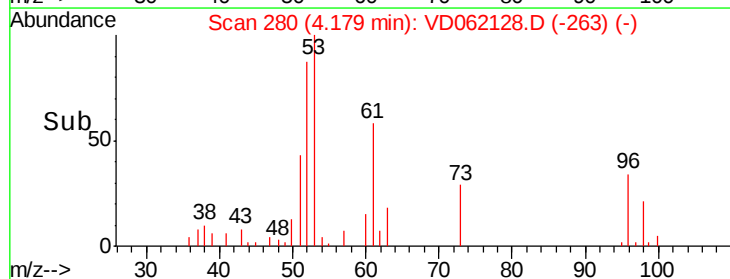
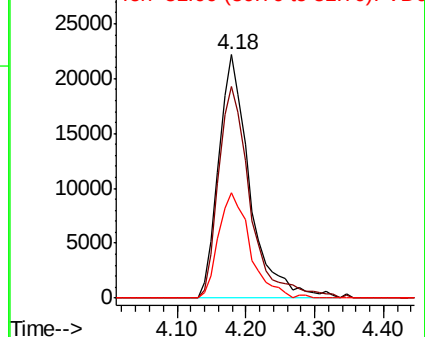
53 100

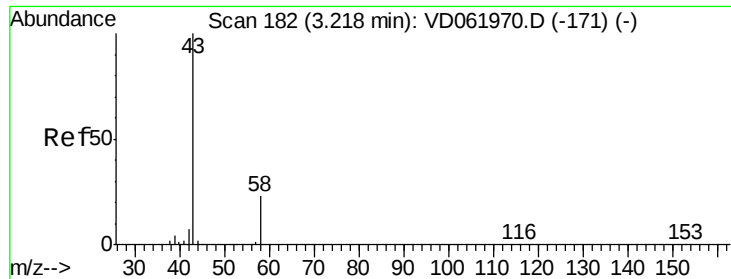
52 86.8 65.0 97.4

51 43.5 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 95.685 ug/l

RT: 3.20 min Scan# 181

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

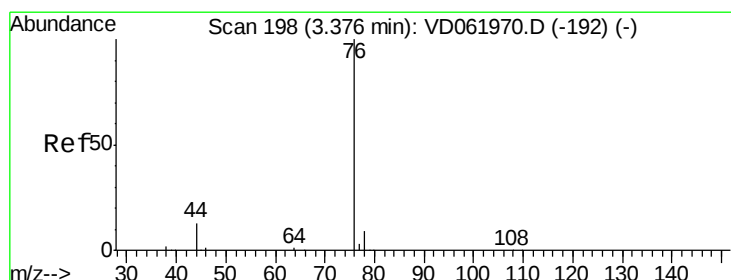
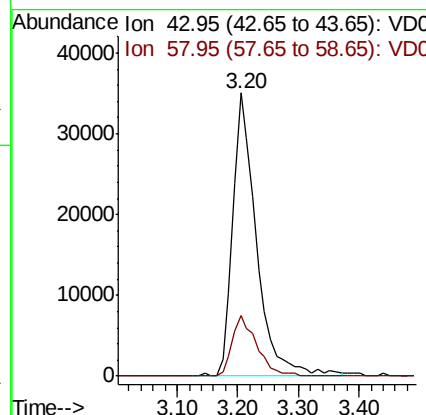
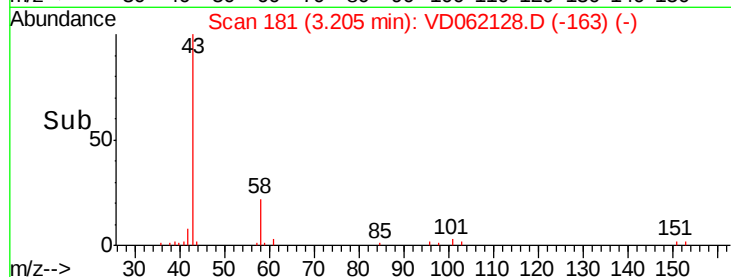
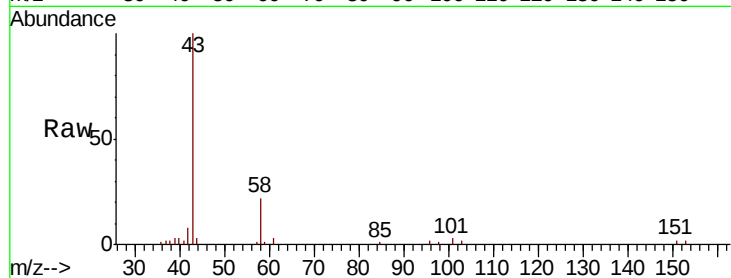
VD0506SBS01

Tot Ion: 43 Resp: 95312

Ion Ratio Lower Upper

43 100

58 21.6 19.9 29.9



#17

Carbon Disulfide

Concen: 4.850 ug/l

RT: 3.36 min Scan# 197

Delta R.T. -0.03 min

Lab File: VD062128.D

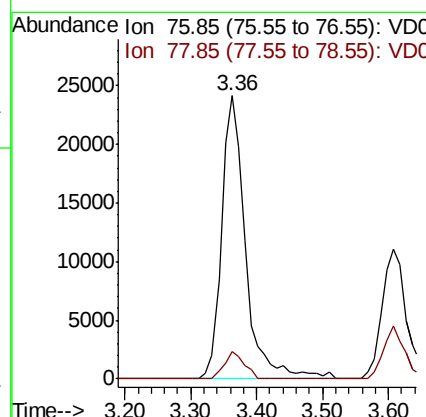
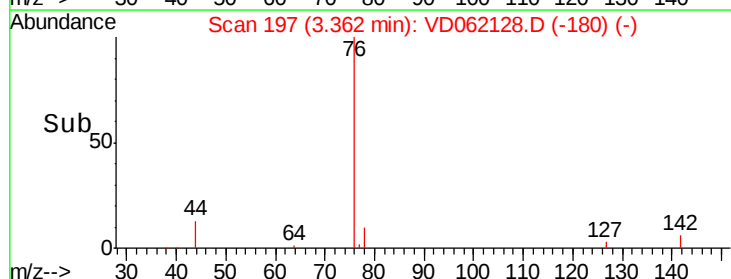
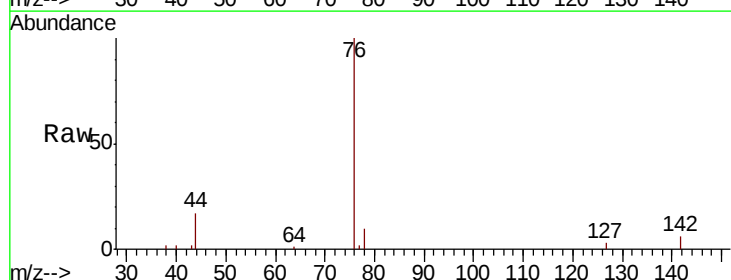
Acq: 6 May 2019 13:59

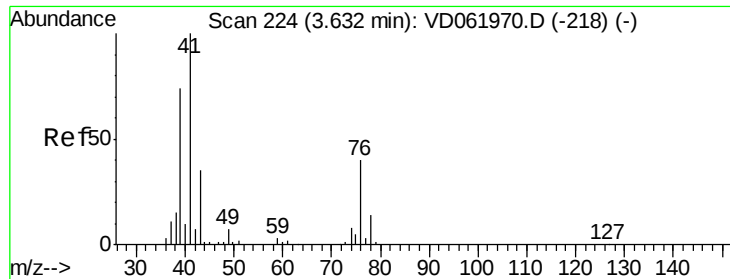
Tgt Ion: 76 Resp: 60893

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8

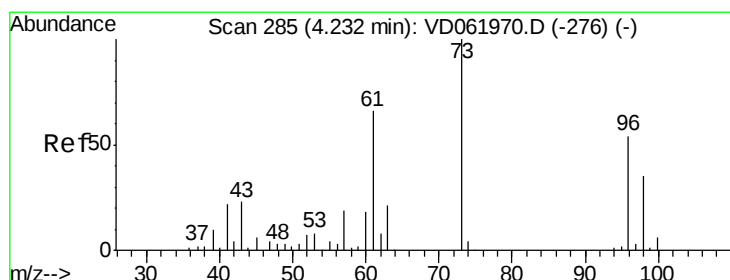
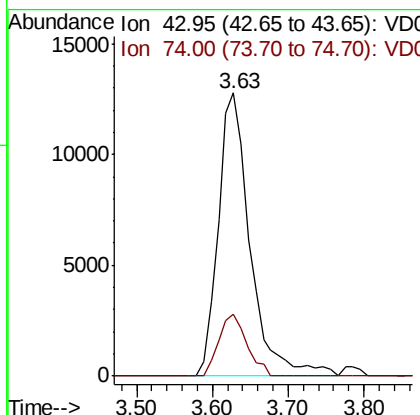
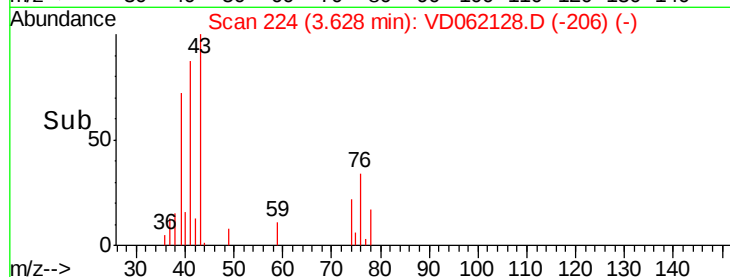
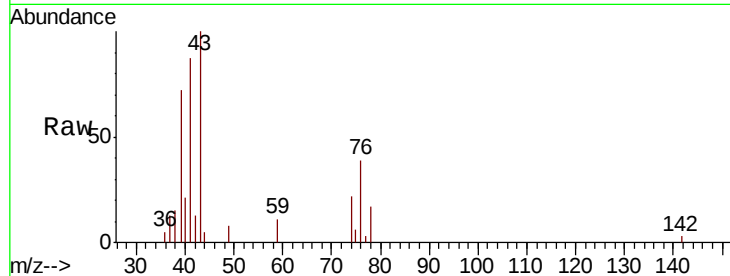




#18
Methyl Acetate
Concen: 19.335 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

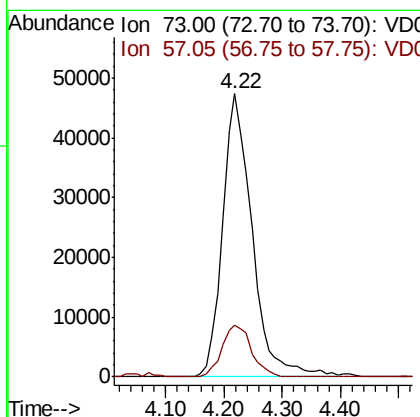
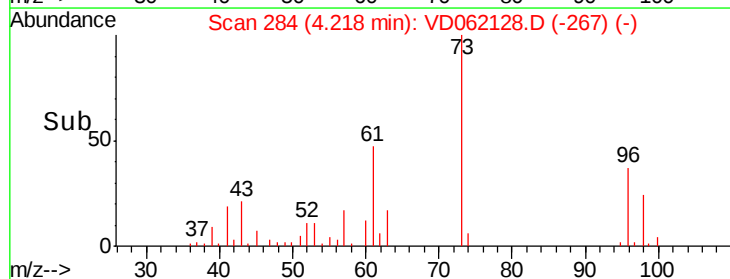
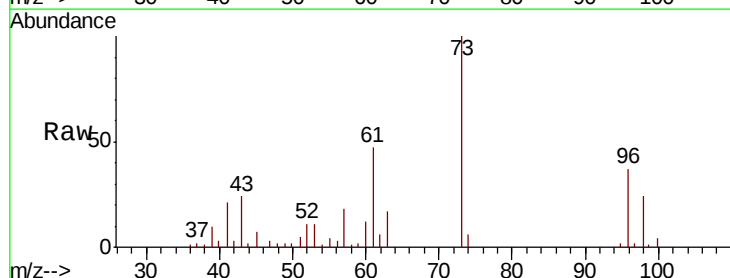
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

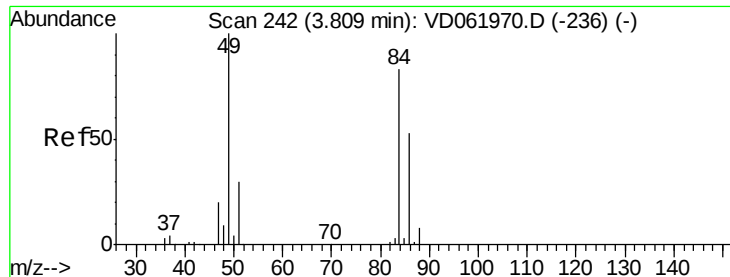
Tot Ion: 43 Resp: 37324
Ion Ratio Lower Upper
43 100
74 21.7 18.0 27.0



#19
Methyl tert-butyl Ether
Concen: 19.319 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.03 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 73 Resp: 166540
Ion Ratio Lower Upper
73 100
57 18.3 16.3 24.5

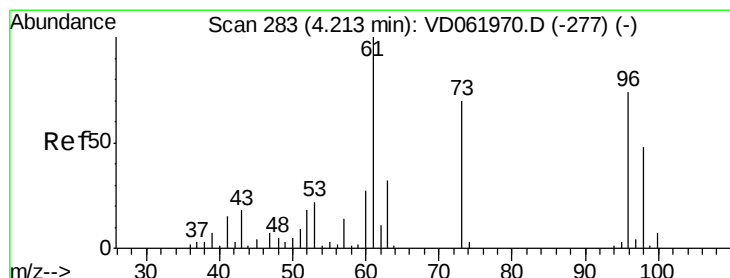
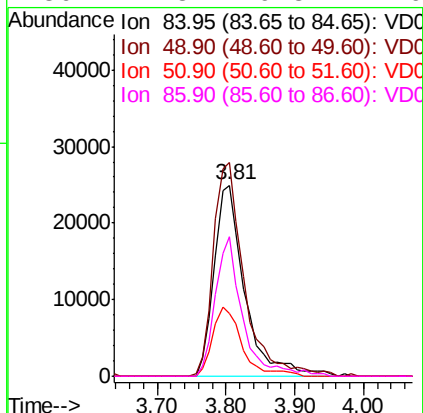
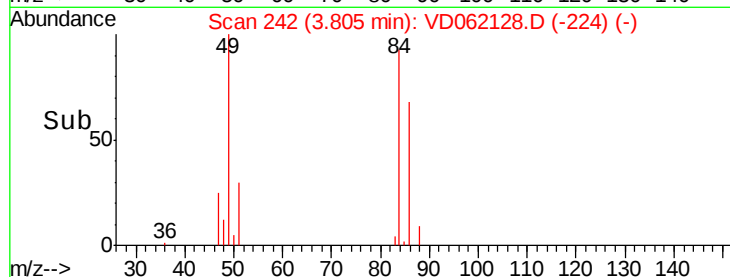
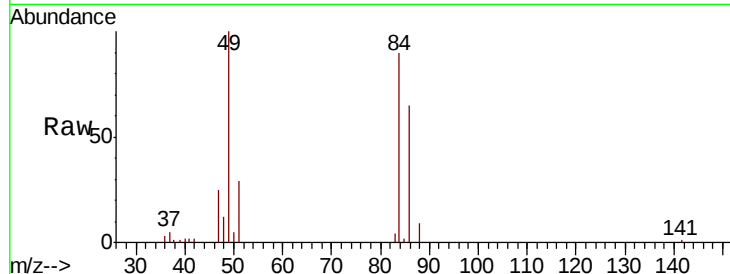




#20
Methylene Chloride
Concen: 13.570 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

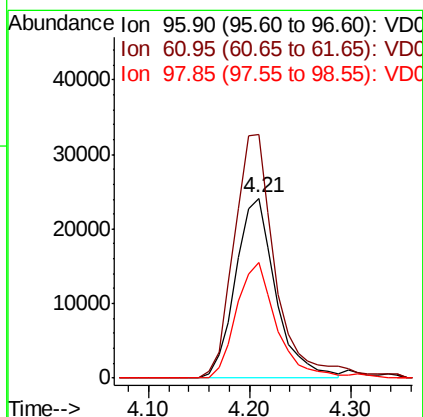
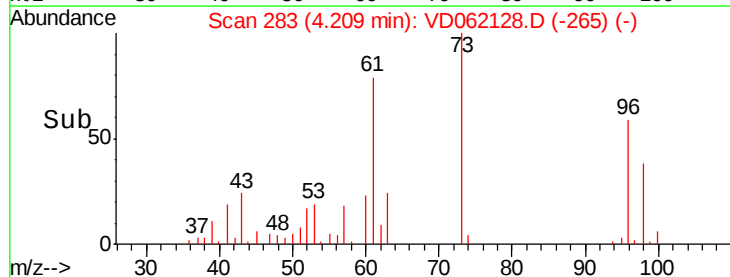
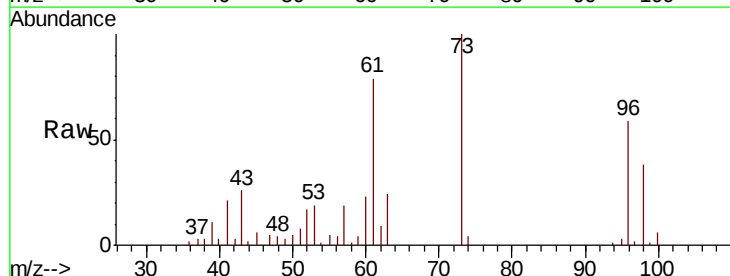
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

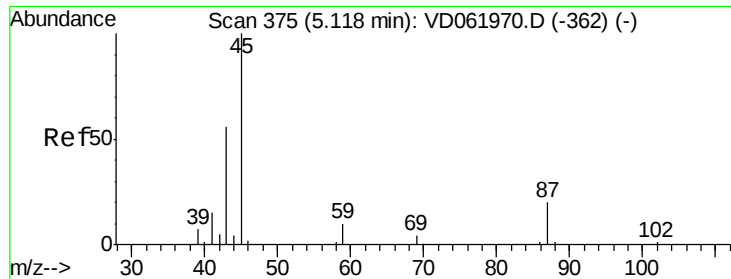
Tot Ion: 84 Resp: 77073
Ion Ratio Lower Upper
84 100
49 111.7 94.0 141.0
51 32.7 29.0 43.4
86 72.8 49.8 74.6



#21
trans-1,2-Dichloroethene
Concen: 13.486 ug/l
RT: 4.21 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 96 Resp: 67216
Ion Ratio Lower Upper
96 100
61 135.2 104.4 156.6
98 64.3 51.8 77.8



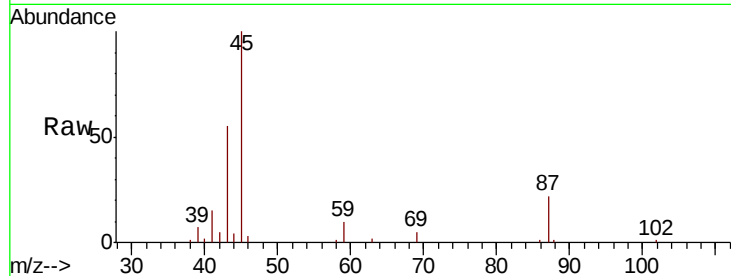


#22

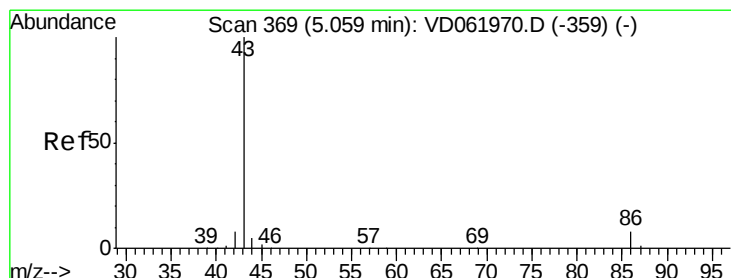
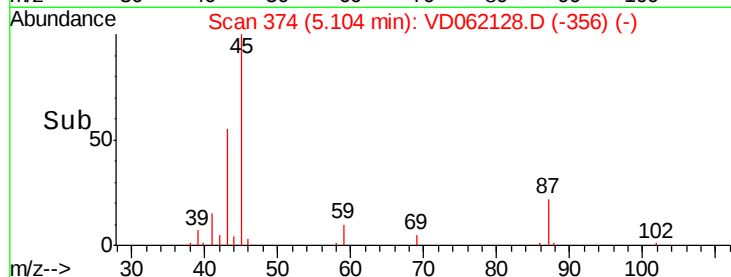
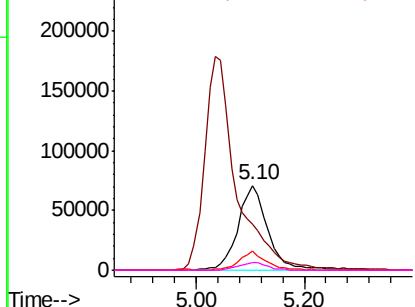
Diisopropyl ether
 Concen: 19.501 ug/l
 RT: 5.10 min Scan# 374
 Delta R.T. -0.02 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0506SBS01

Tot Ion:	45	Resp:	270122
Ion	Ratio	Lower	Upper
45	100		
43	55.3	46.2	69.2
87	22.4	15.9	23.9
59	9.9	7.9	11.9



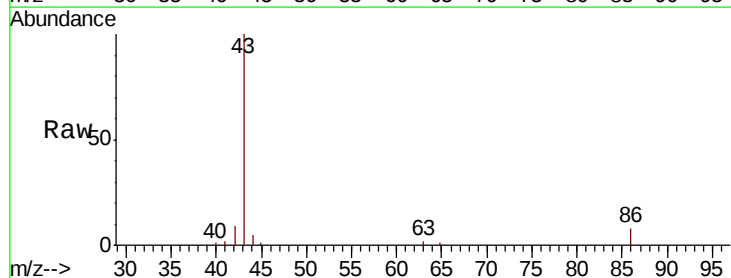
Abundance Ion 45.05 (44.75 to 45.75): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 87.00 (86.70 to 87.70): VDC
 Ion 58.95 (58.65 to 59.65): VDC



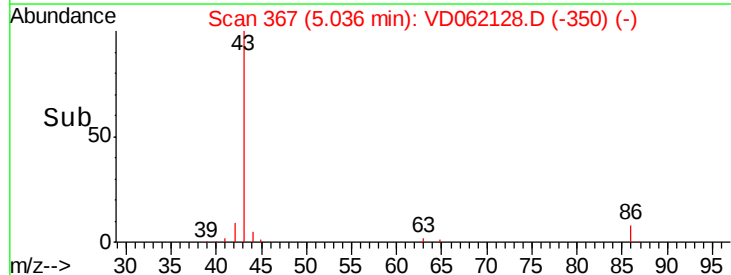
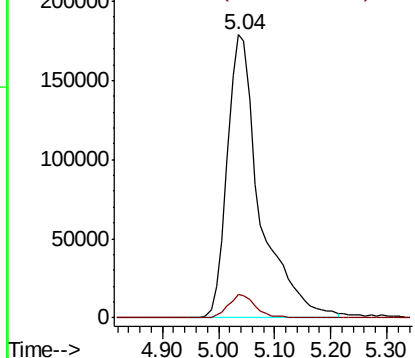
#23

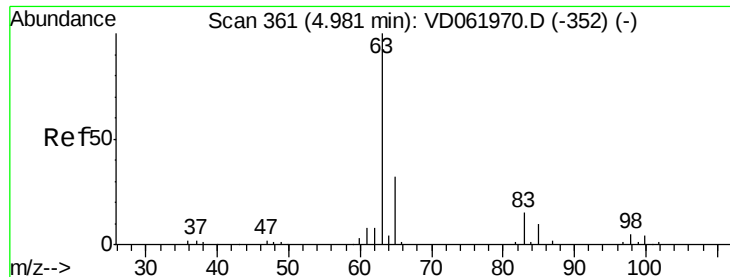
Vinyl Acetate
 Concen: 100.521 ug/l
 RT: 5.04 min Scan# 367
 Delta R.T. -0.03 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion:	43	Resp:	725093
Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.4	9.6



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

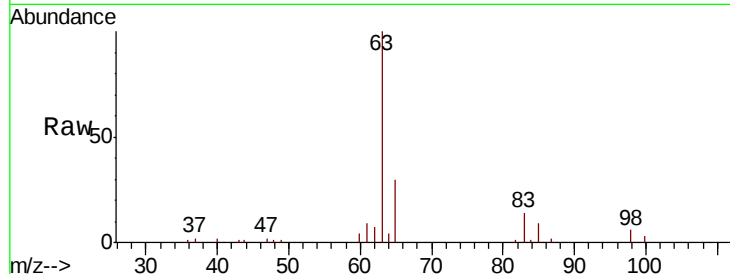




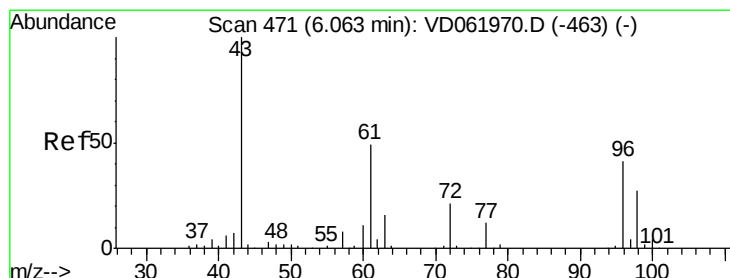
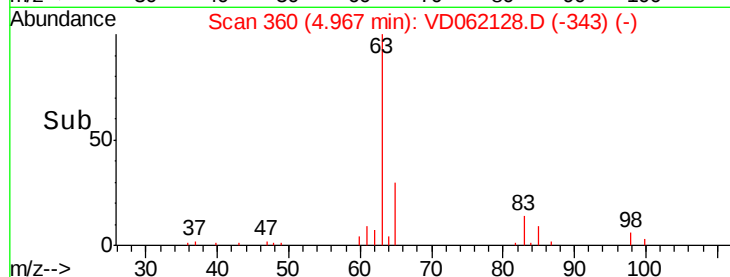
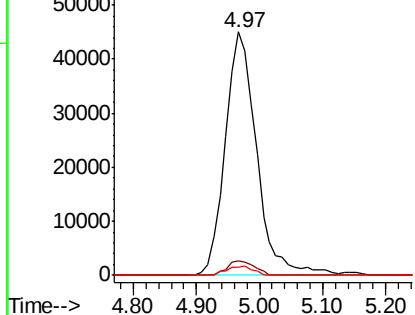
#24
 1,1-Dichloroethane
 Concen: 18.540 ug/l
 RT: 4.97 min Scan# 360
 Delta R.T. -0.03 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Tot Ion: 63 Resp: 155212
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.4 1.8 5.5

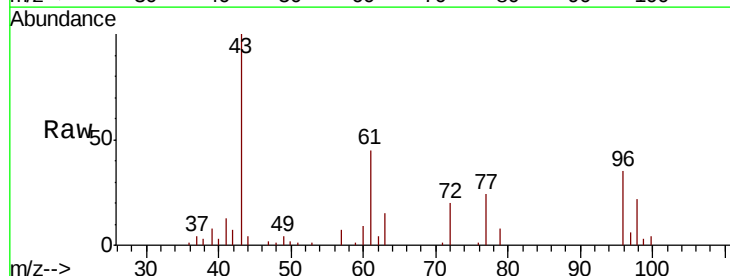


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC

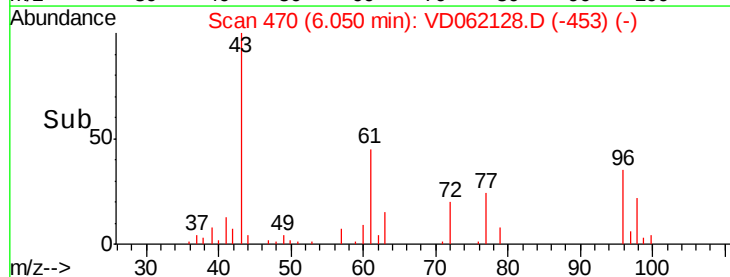
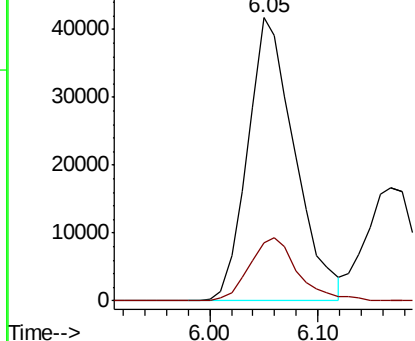


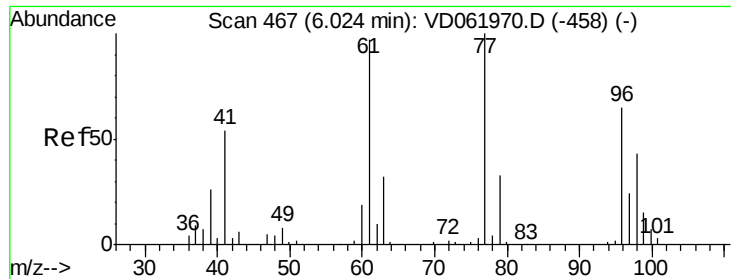
#25
 2-Butanone
 Concen: 104.626 ug/l
 RT: 6.05 min Scan# 470
 Delta R.T. -0.03 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion: 43 Resp: 126356
 Ion Ratio Lower Upper
 43 100
 72 20.4 16.2 24.4



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





#26

2,2-Dichloropropane

Concen: 19.293 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

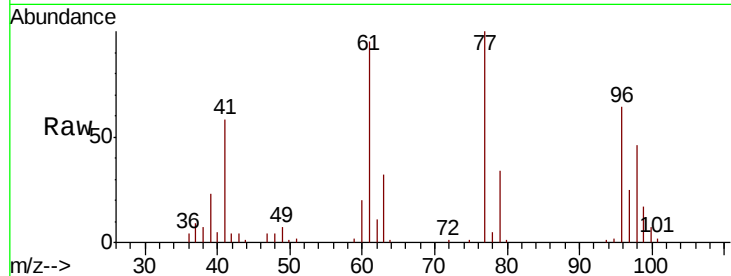
VD0506SBS01

Tot Ion: 77 Resp: 140907

Ion Ratio Lower Upper

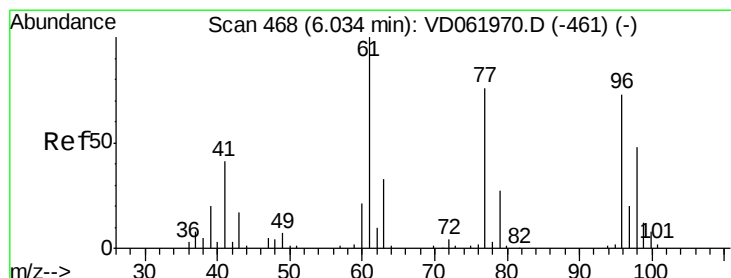
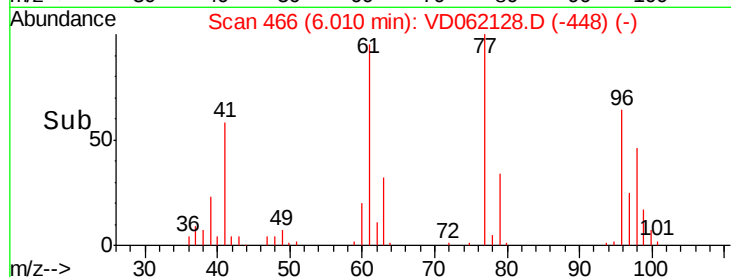
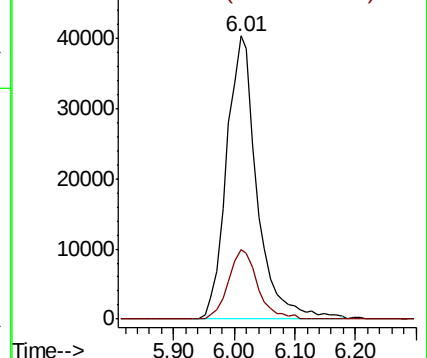
77 100

97 24.8 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: 18.459 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

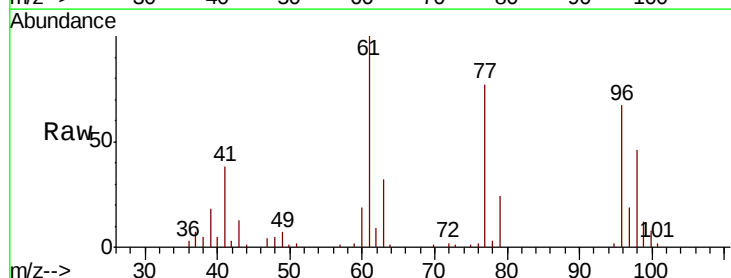
Tgt Ion: 96 Resp: 104667

Ion Ratio Lower Upper

96 100

61 148.5 0.0 279.8

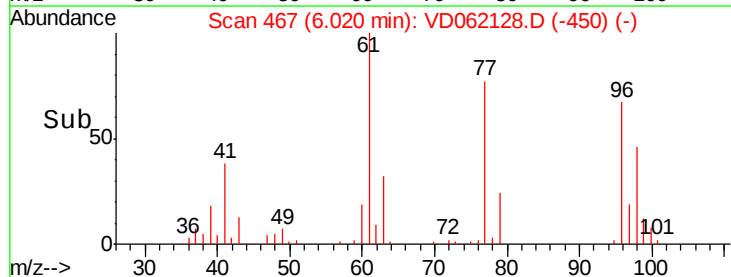
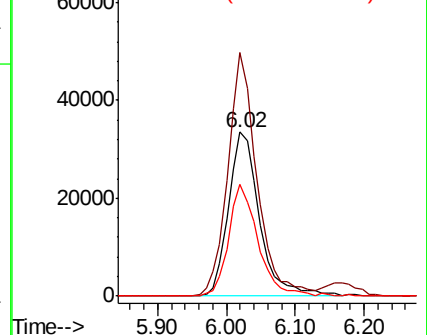
98 68.5 0.0 136.0

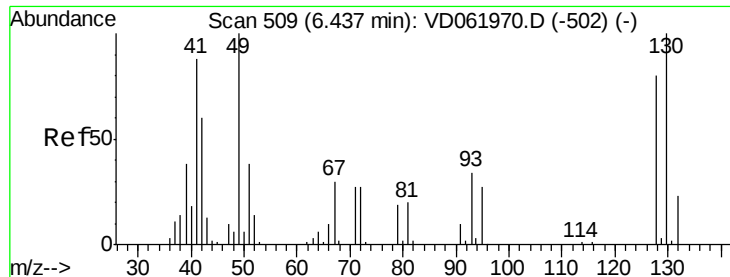


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

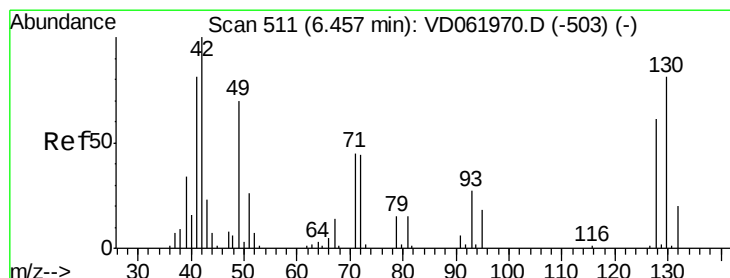
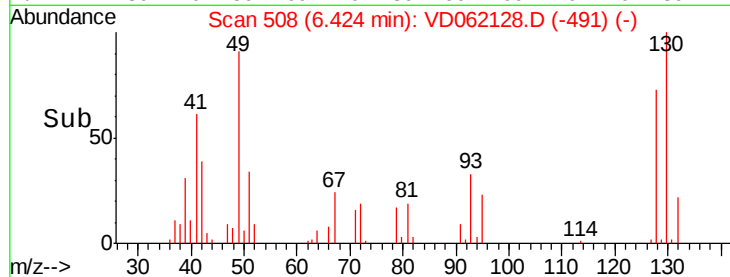
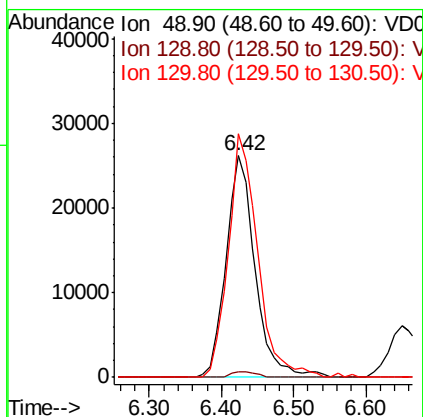
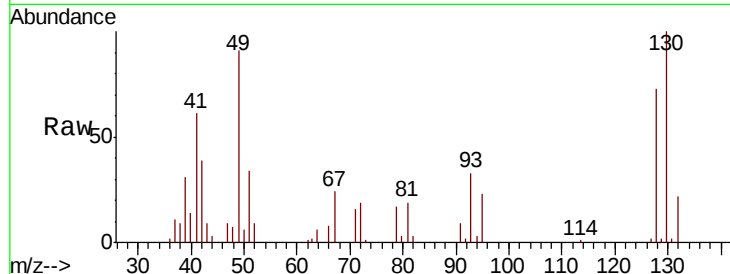




#28
Bromochloromethane
Concen: 22.851 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

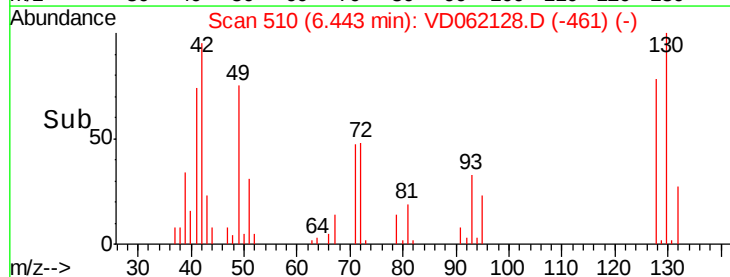
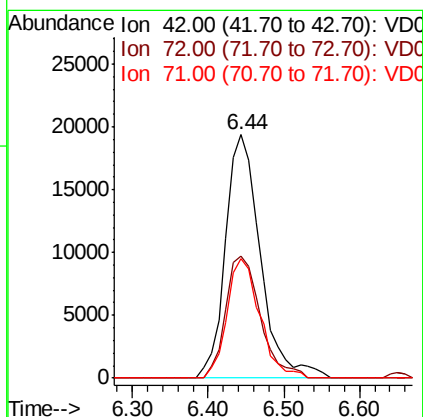
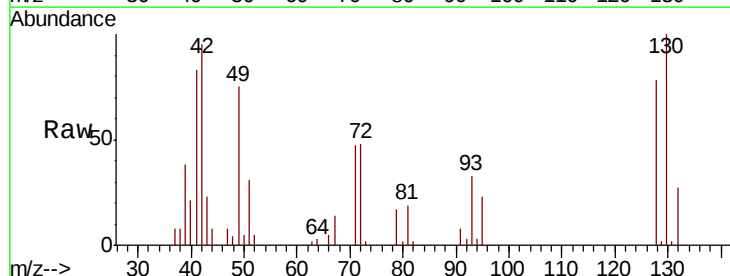
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

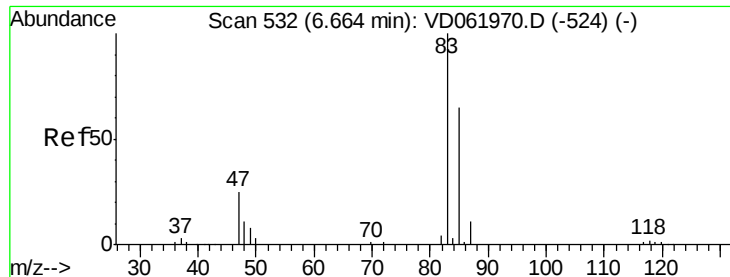
Tot Ion: 49 Resp: 73199
Ion Ratio Lower Upper
49 100
129 2.7 0.0 6.6
130 110.0 86.7 130.1



#29
Tetrahydrofuran
Concen: 103.932 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 42 Resp: 61846
Ion Ratio Lower Upper
42 100
72 49.6 37.8 56.6
71 46.1 36.7 55.1

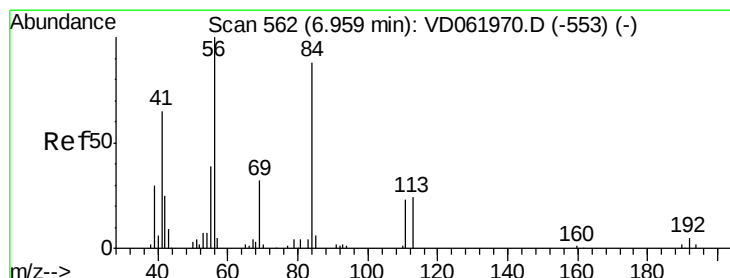
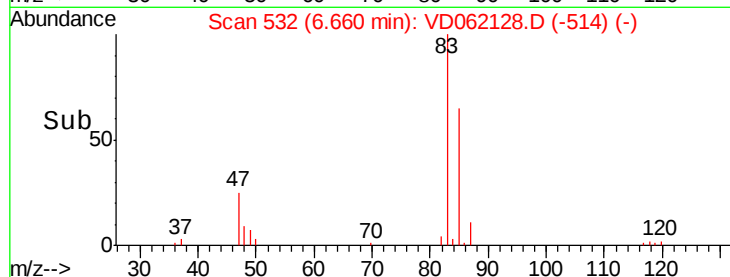
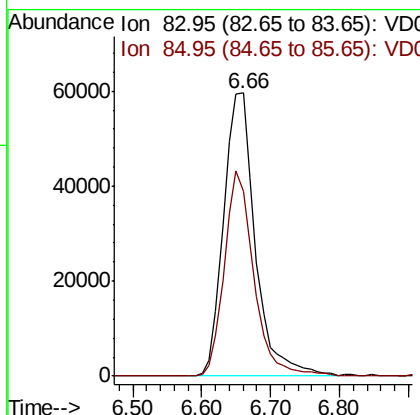
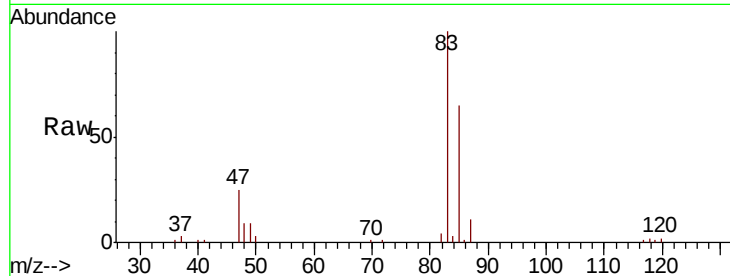




#30
Chloroform
Concen: 19.934 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

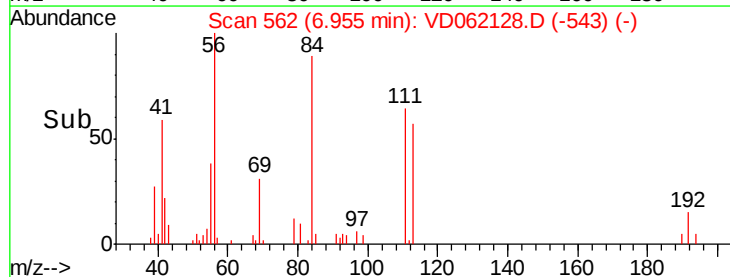
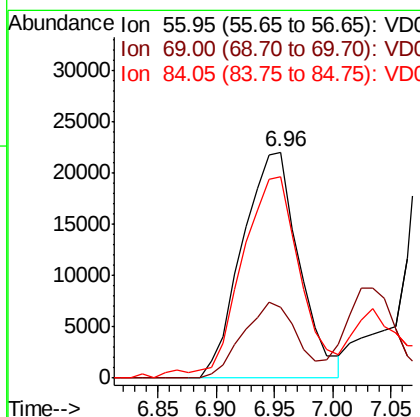
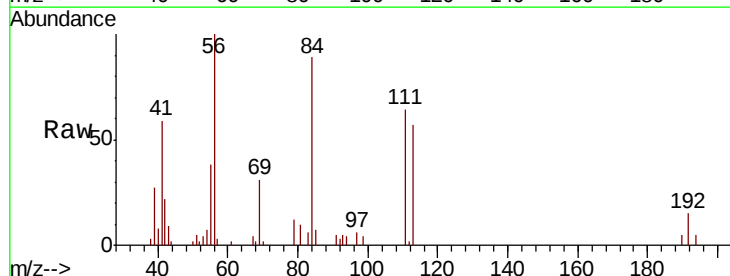
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

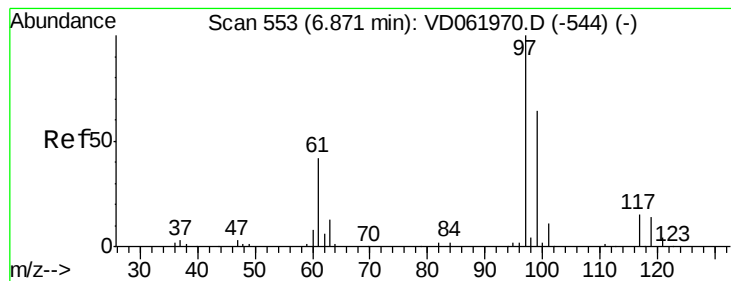
Tot Ion: 83 Resp: 189552
Ion Ratio Lower Upper
83 100
85 65.2 51.7 77.5



#31
Cyclohexane
Concen: 12.016 ug/l
RT: 6.96 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 56 Resp: 74671
Ion Ratio Lower Upper
56 100
69 31.1 25.8 38.6
84 89.4 72.2 108.4





#32

1,1,1-Trichloroethane

Concen: 19.108 ug/l

RT: 6.86 min Scan# 552

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

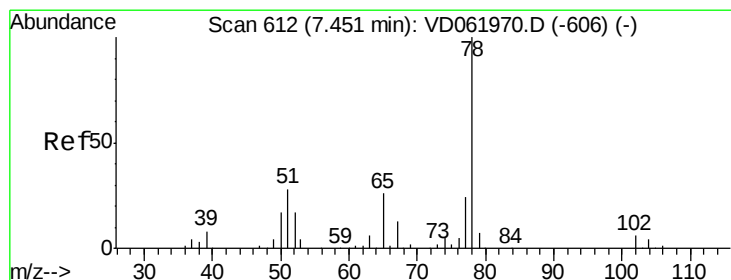
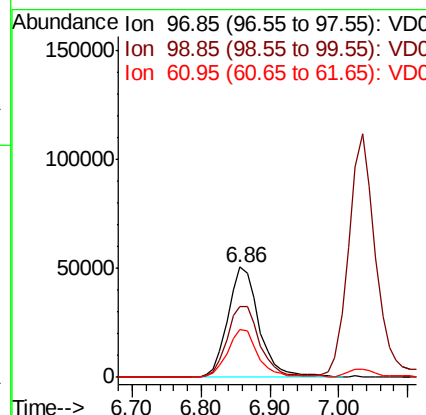
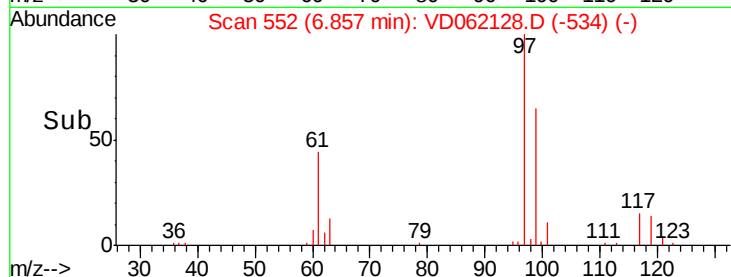
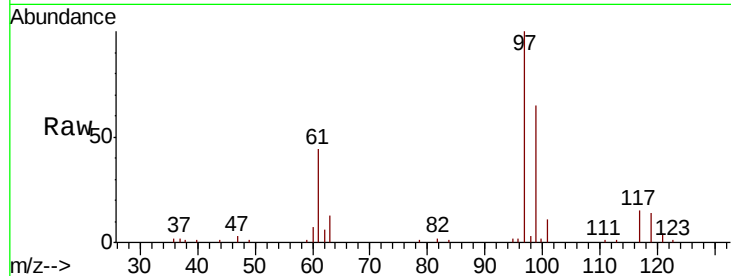
Tot Ion: 97 Resp: 158095

Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.2

61 43.5 32.4 48.6



#33

1,2-Dichloroethane-d4

Concen: 52.586 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.02 min

Lab File: VD062128.D

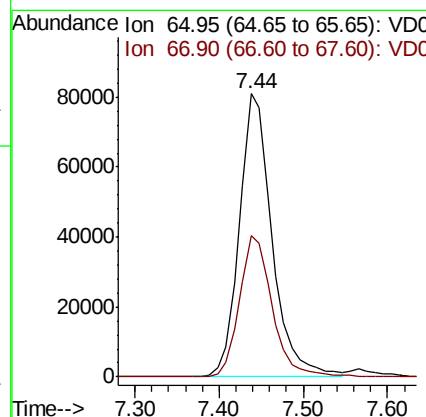
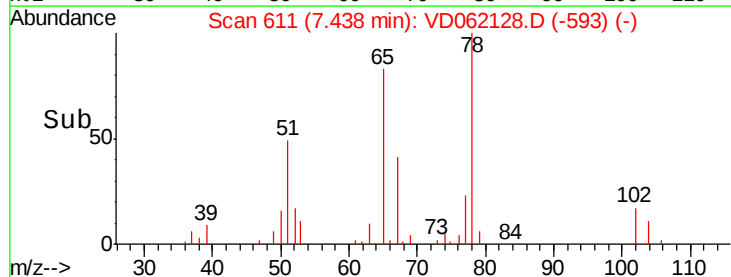
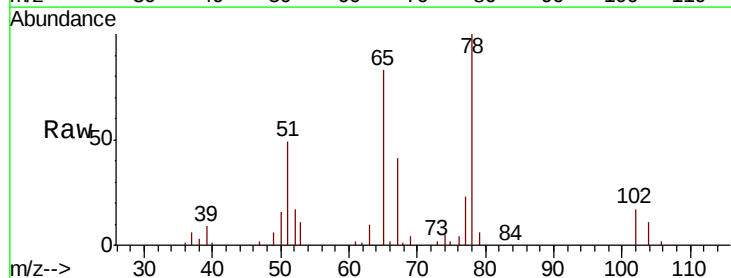
Acq: 6 May 2019 13:59

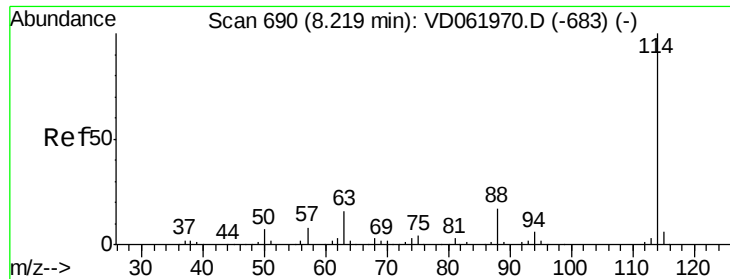
Tgt Ion: 65 Resp: 219378

Ion Ratio Lower Upper

65 100

67 49.9 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

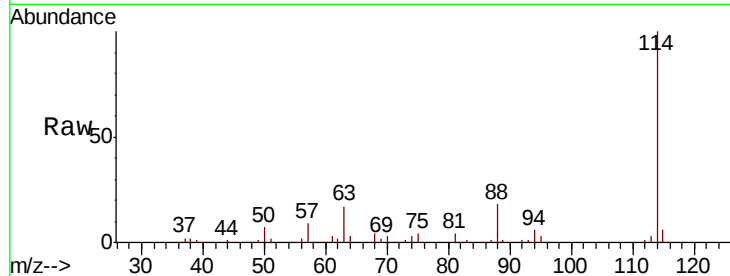
Tot Ion:114 Resp: 799177

Ion Ratio Lower Upper

114 100

63 17.1 0.0 32.4

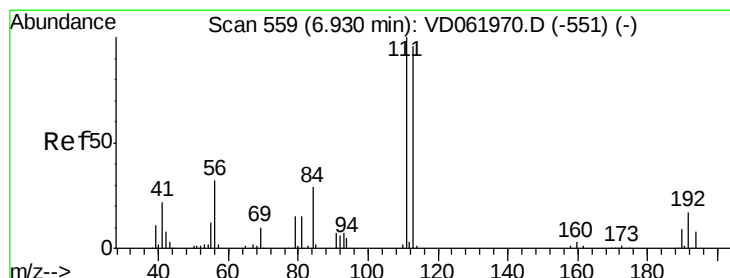
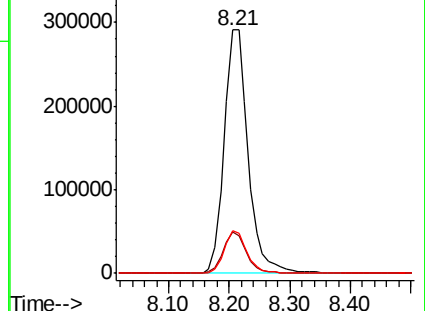
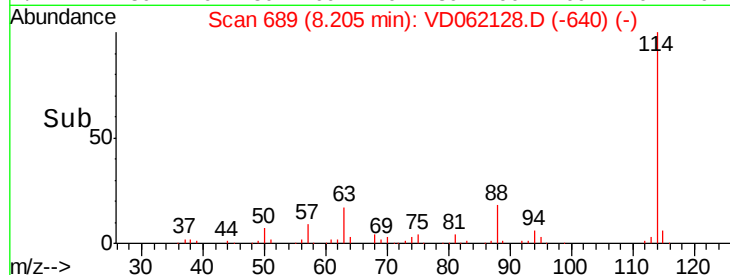
88 17.7 0.0 33.6



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: 57.384 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

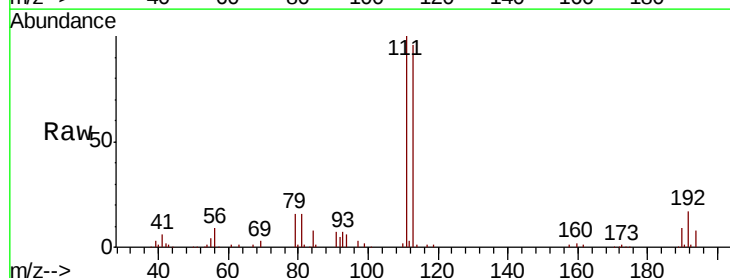
Tgt Ion:113 Resp: 317166

Ion Ratio Lower Upper

113 100

111 103.8 78.5 117.7

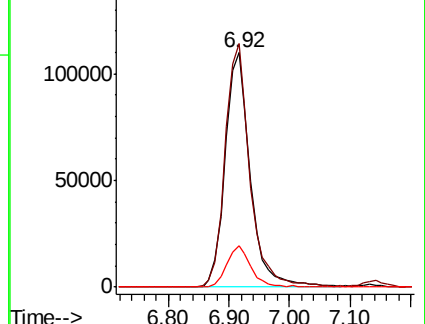
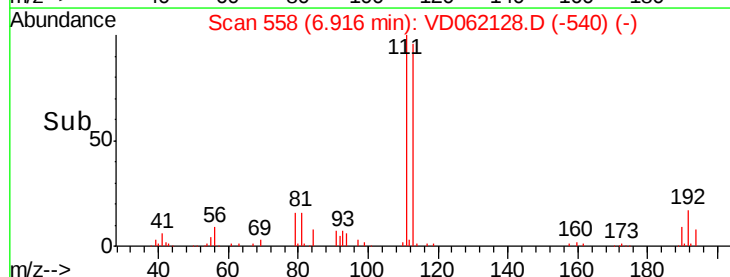
192 17.4 13.0 19.4

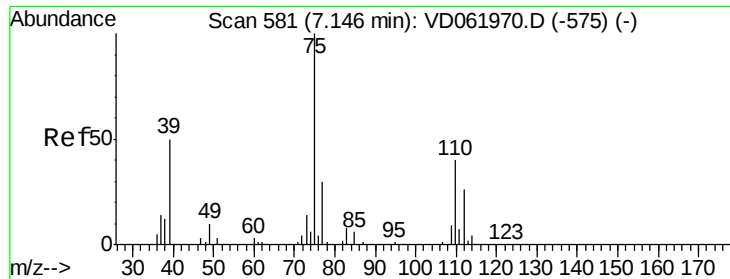


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 18.306 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

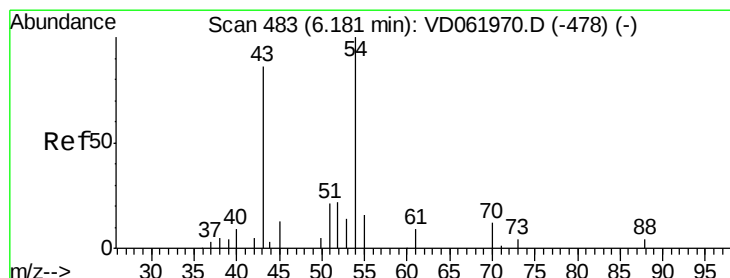
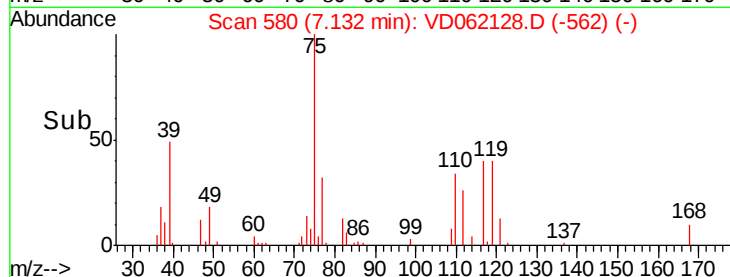
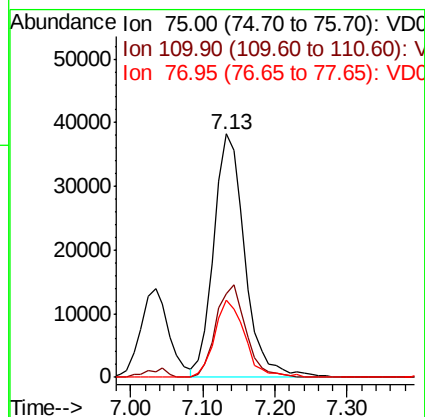
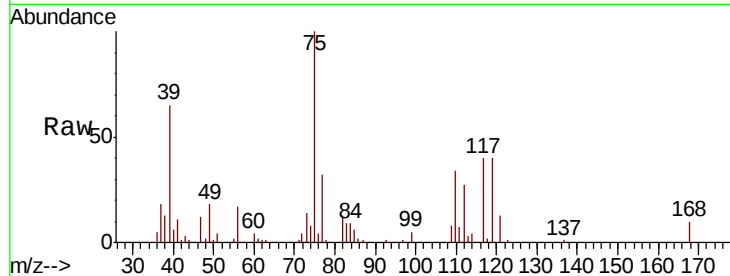
Tot Ion: 75 Resp: 113983

Ion Ratio Lower Upper

75 100

110 34.4 19.1 57.1

77 31.7 25.6 38.4



#37

Ethyl Acetate

Concen: 22.741 ug/l

RT: 6.17 min Scan# 482

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

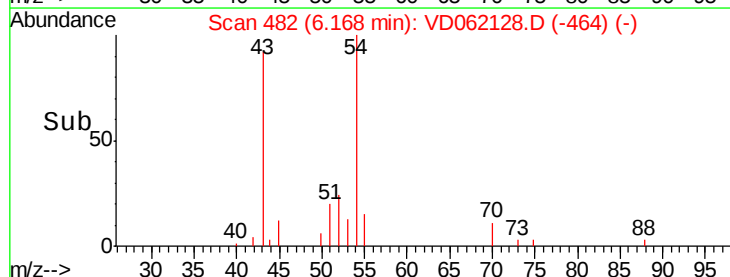
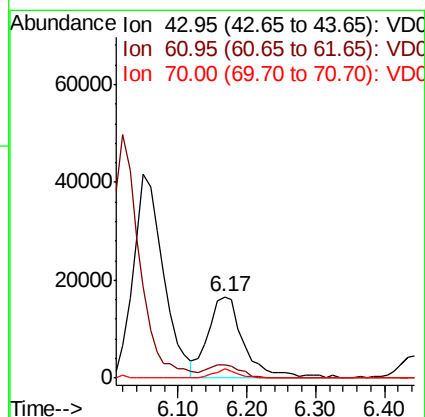
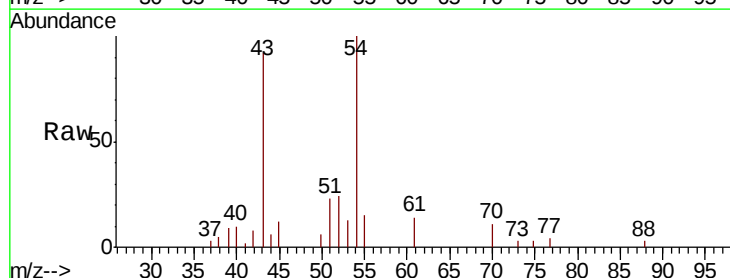
Tgt Ion: 43 Resp: 60338

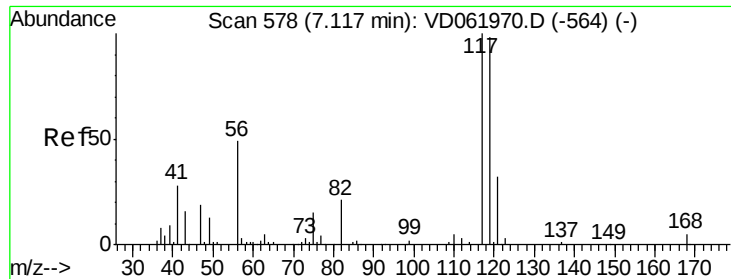
Ion Ratio Lower Upper

43 100

61 15.4 14.7 22.1

70 11.9 7.8 11.6#

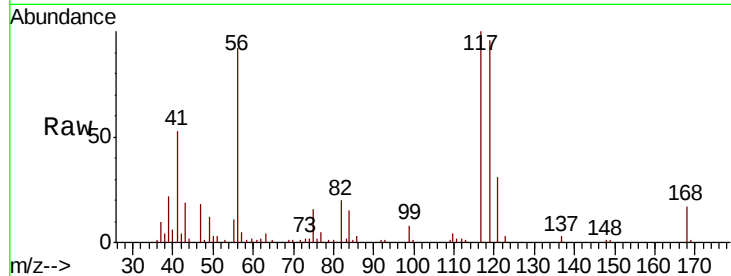




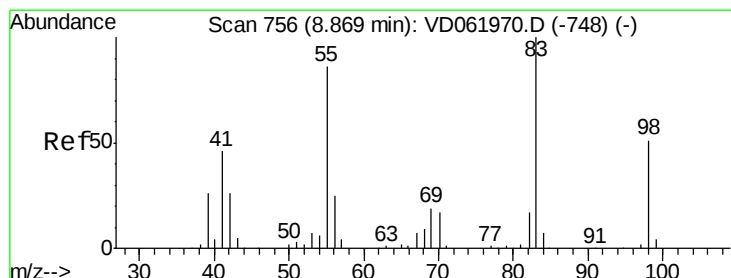
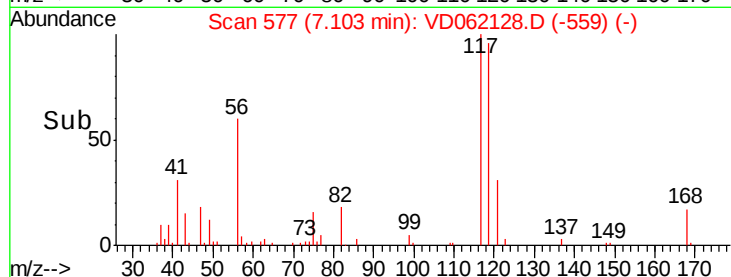
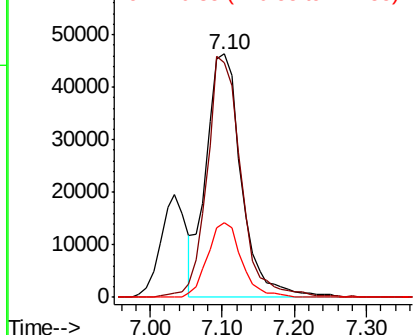
#38
Carbon Tetrachloride
Concen: 19.875 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:117 Resp: 156816
Ion Ratio Lower Upper
117 100
119 96.2 75.8 113.8
121 30.8 25.9 38.9

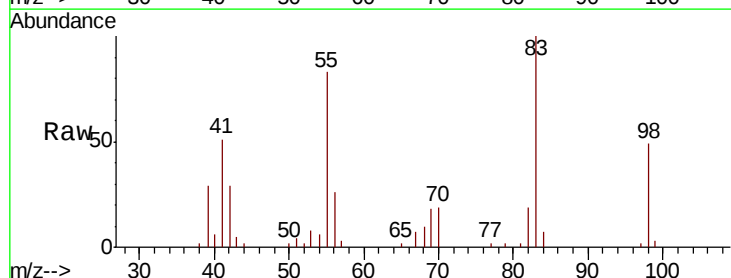


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

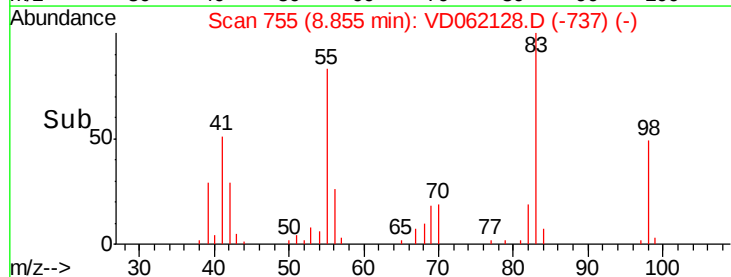
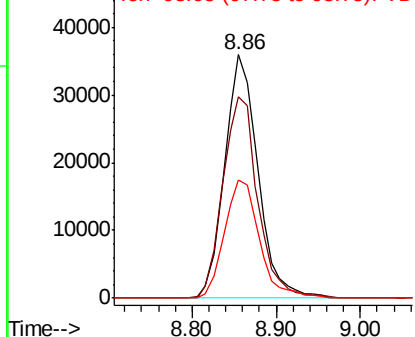


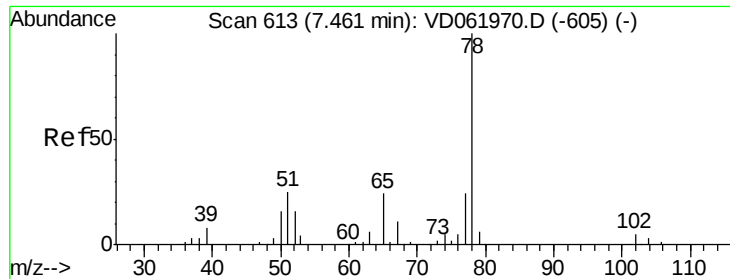
#39
Methylcyclohexane
Concen: 16.074 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 83 Resp: 98746
Ion Ratio Lower Upper
83 100
55 82.7 68.2 102.4
98 48.7 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: 18.253 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

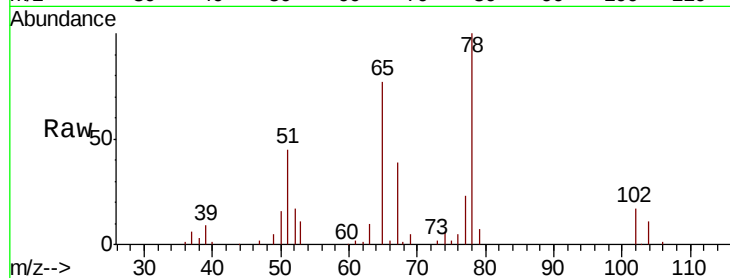
VD0506SBS01

Tot Ion: 78 Resp: 281371

Ion Ratio Lower Upper

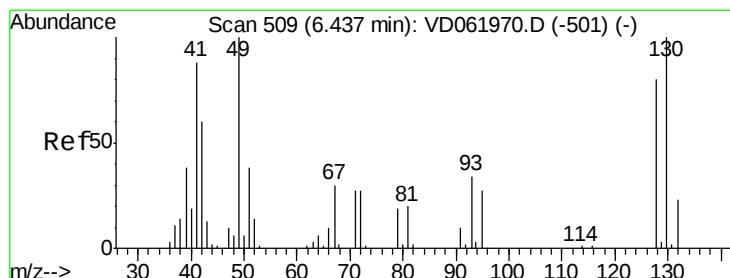
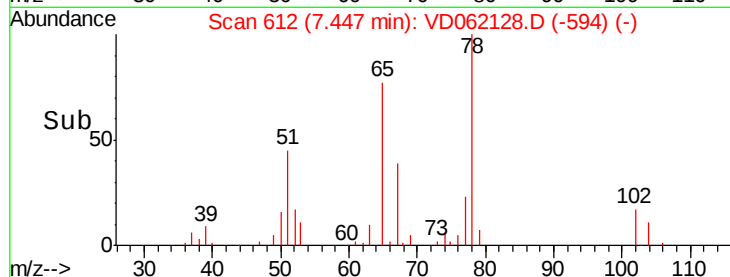
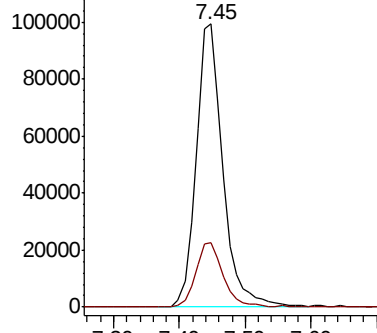
78 100

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: 22.613 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Tgt Ion: 41 Resp: 70006

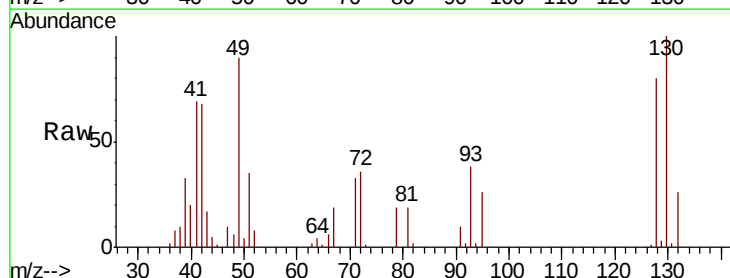
Ion Ratio Lower Upper

41 100

39 47.6 34.1 51.1

67 26.7 23.8 35.6

52 12.1 8.8 13.2

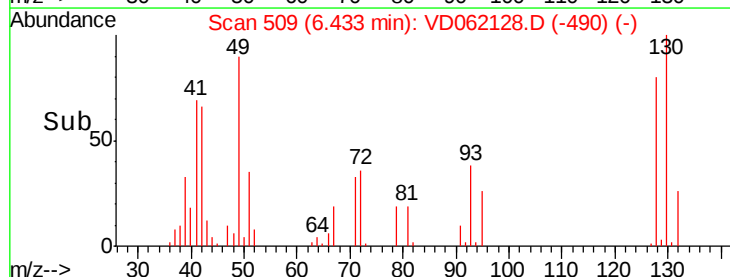
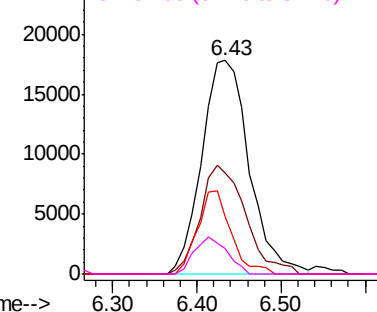


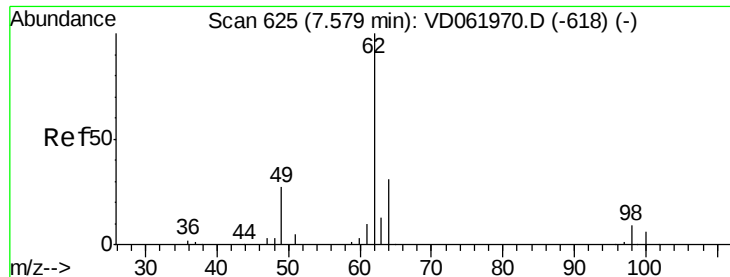
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

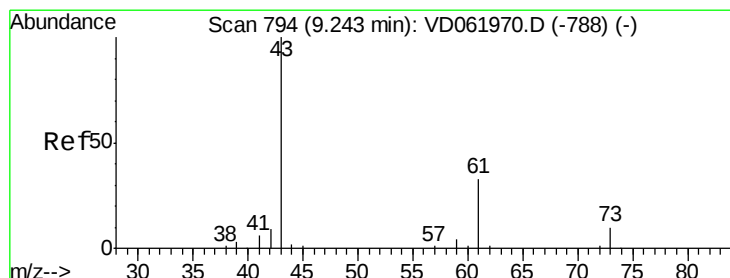
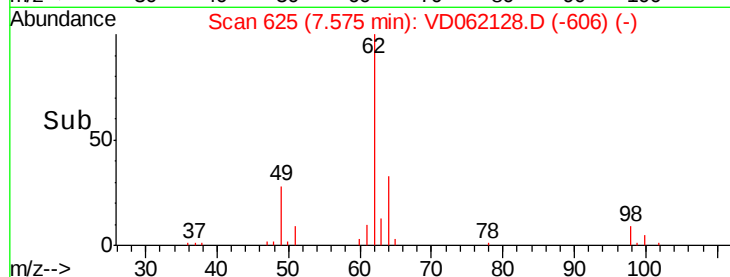
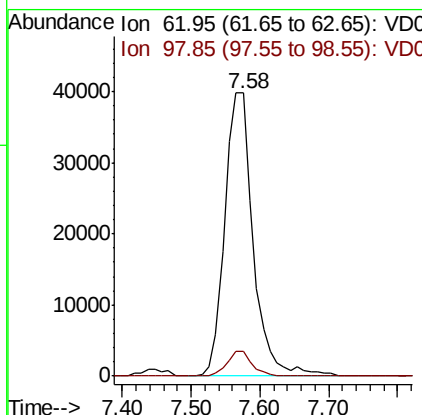
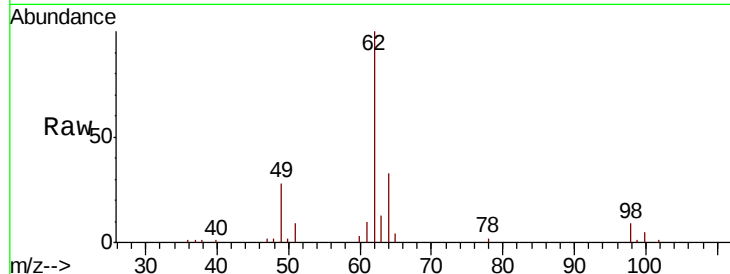




#42
 1,2-Dichloroethane
 Concen: 21.767 ug/l
 RT: 7.58 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

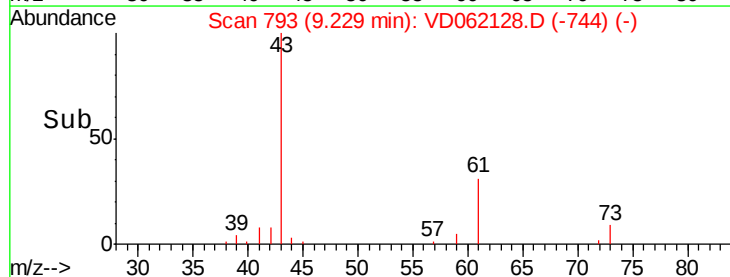
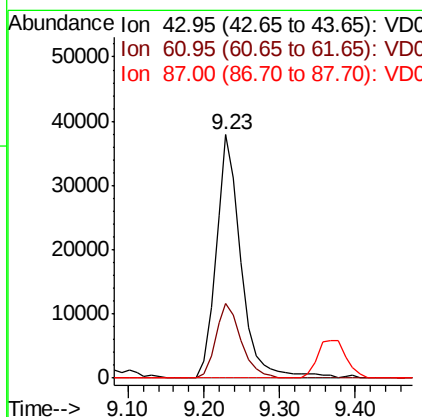
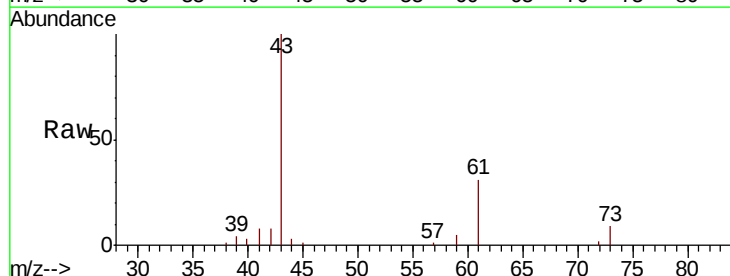
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

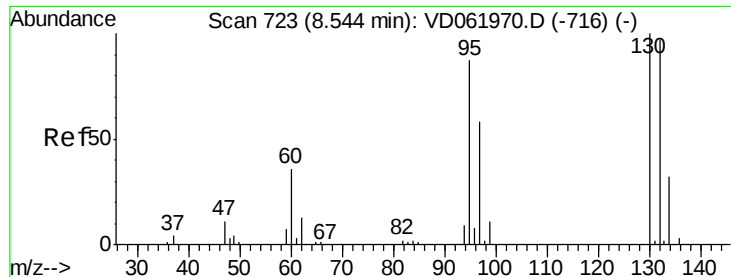
Tot Ion: 62 Resp: 113925
 Ion Ratio Lower Upper
 62 100
 98 8.9 0.0 17.8



#43
 Isopropyl Acetate
 Concen: 22.278 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. -0.02 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion: 43 Resp: 86370
 Ion Ratio Lower Upper
 43 100
 61 30.6 25.1 37.7
 87 0.0 0.0 0.0





#44

Trichloroethene

Concen: 19.995 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

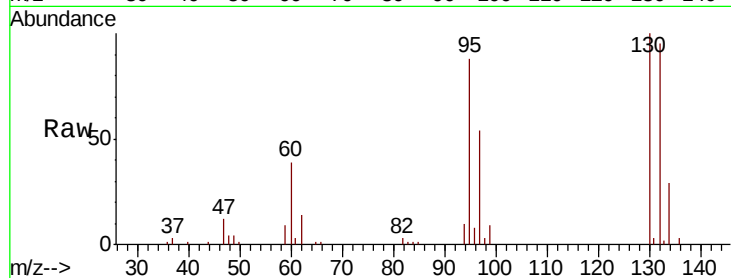
VD0506SBS01

Tot Ion:130 Resp: 119492

Ion Ratio Lower Upper

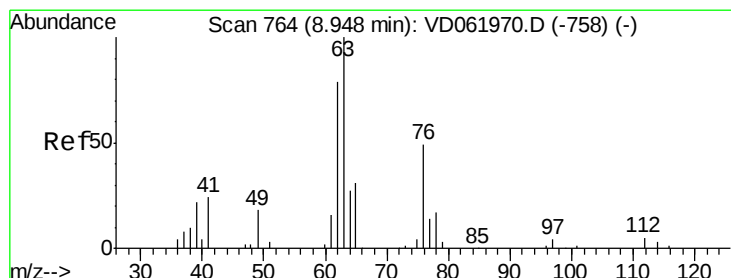
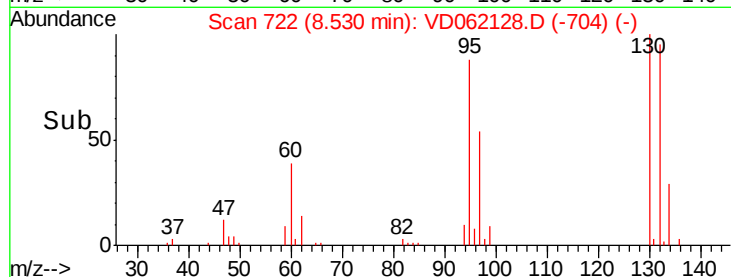
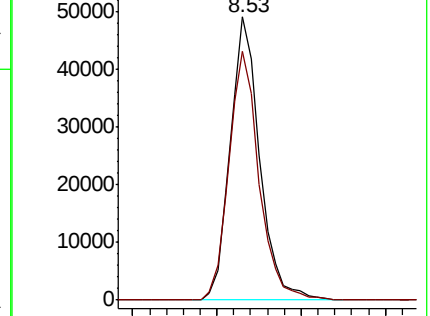
130 100

95 88.1 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: 19.784 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD062128.D

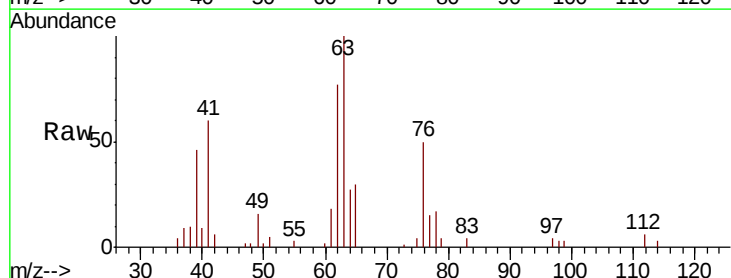
Acq: 6 May 2019 13:59

Tgt Ion: 63 Resp: 77365

Ion Ratio Lower Upper

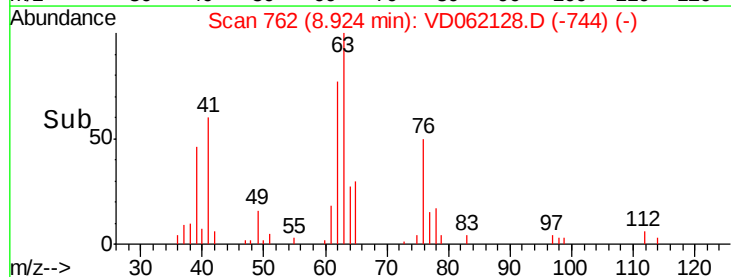
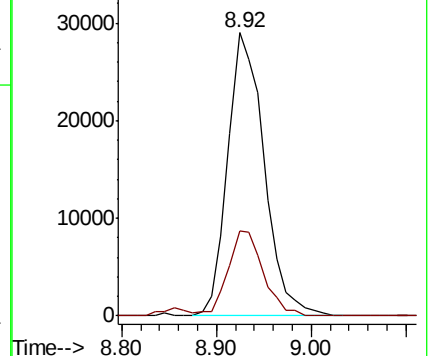
63 100

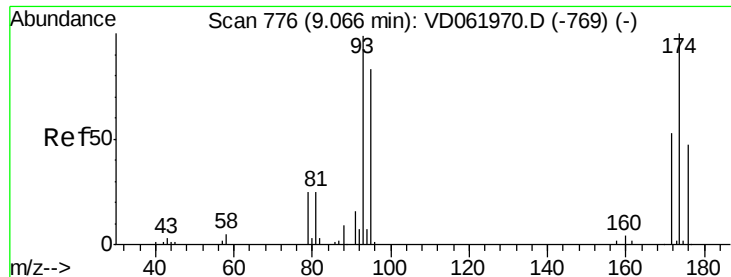
65 30.2 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

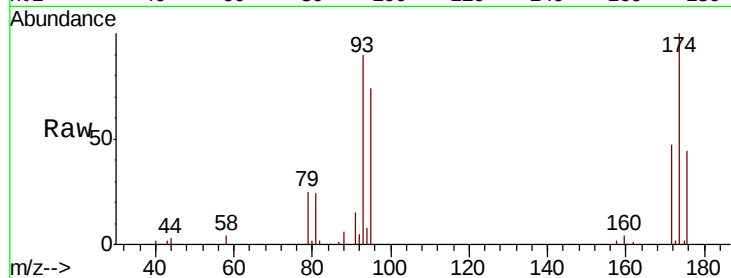




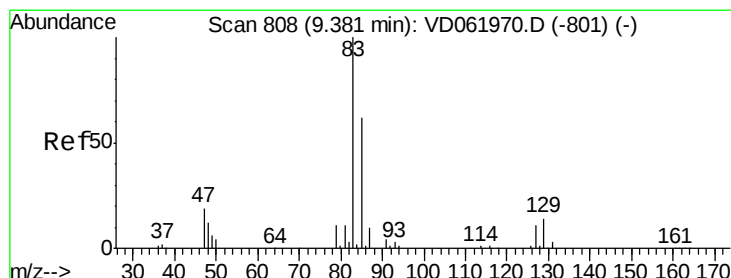
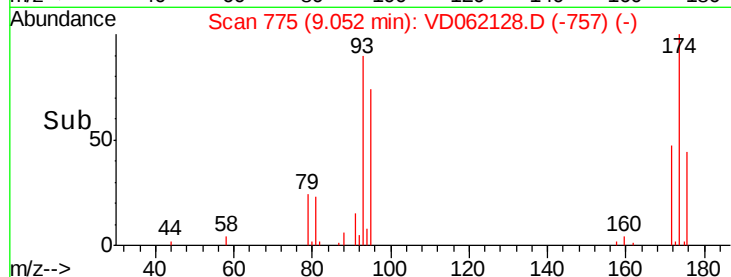
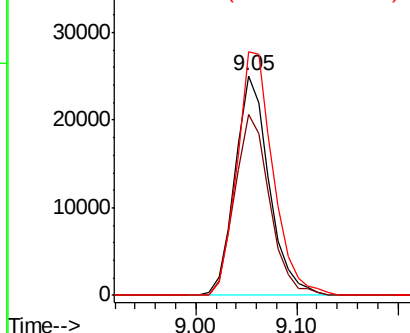
#46
Dibromomethane
Concen: 20.924 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion: 93 Resp: 58876
Ion Ratio Lower Upper
93 100
95 82.4 64.8 97.2
174 110.8 79.3 118.9

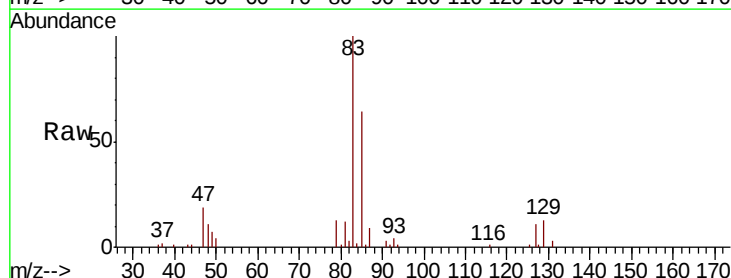


Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V

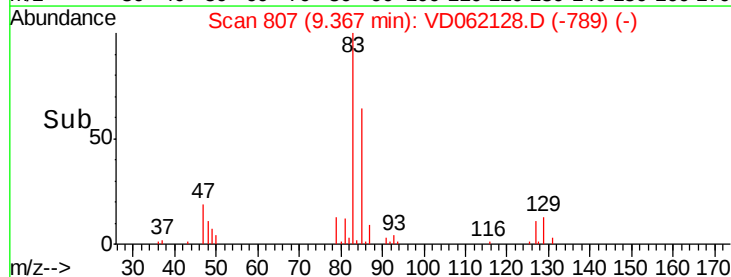
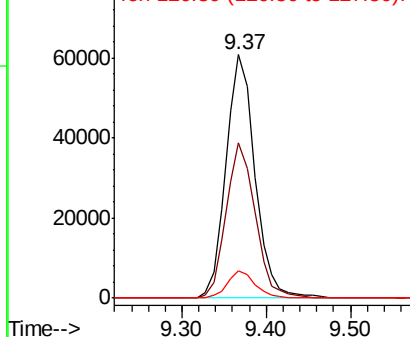


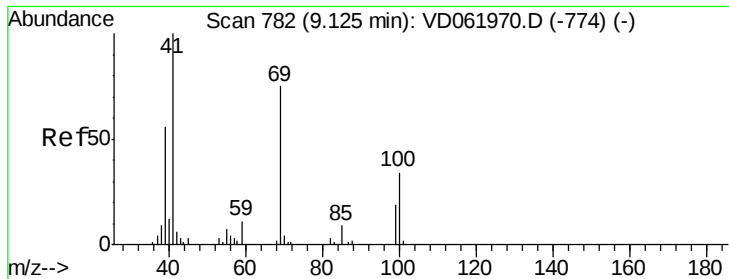
#47
Bromodichloromethane
Concen: 21.875 ug/l
RT: 9.37 min Scan# 807
Delta R.T. -0.02 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 83 Resp: 145442
Ion Ratio Lower Upper
83 100
85 63.9 50.9 76.3
127 11.3 8.1 12.1



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





#48

Methyl methacrylate

Concen: 21.623 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

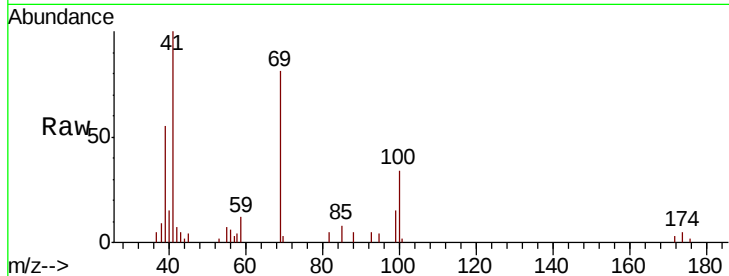
Tot Ion: 41 Resp: 47830

Ion Ratio Lower Upper

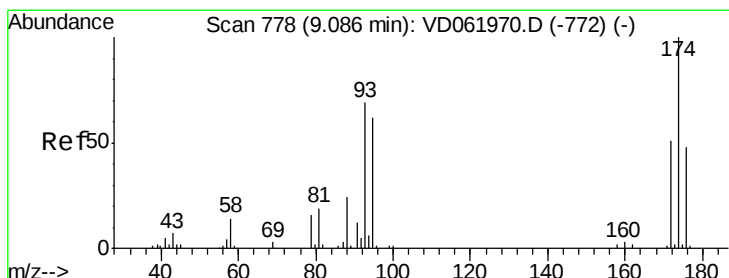
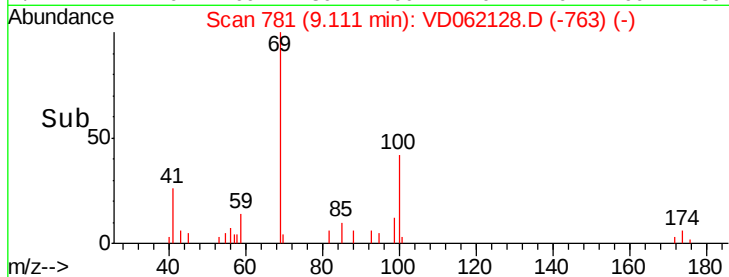
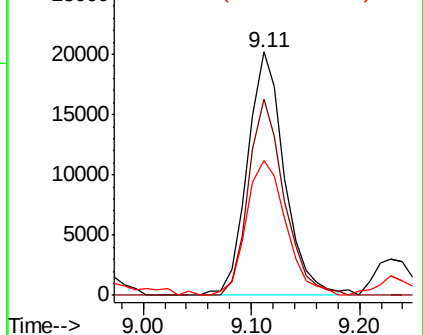
41 100

69 80.7 64.2 96.2

39 55.4 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: 478.287 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

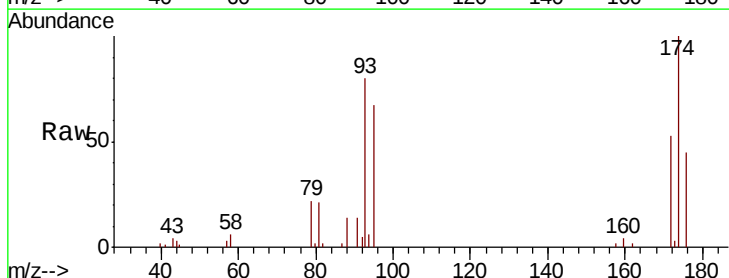
Tgt Ion: 88 Resp: 11406

Ion Ratio Lower Upper

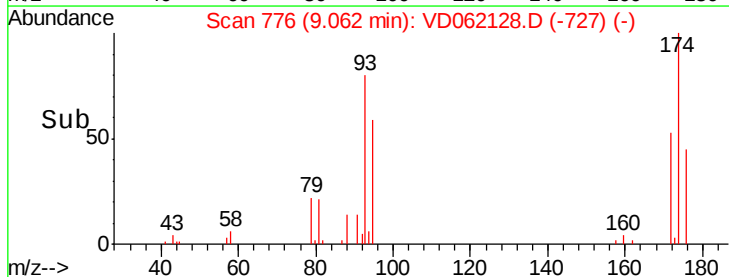
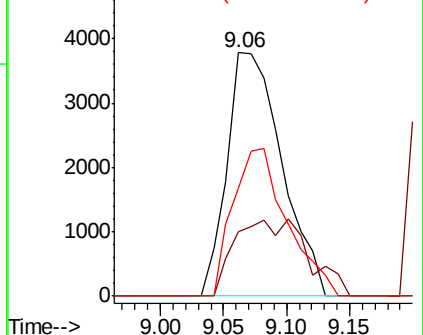
88 100

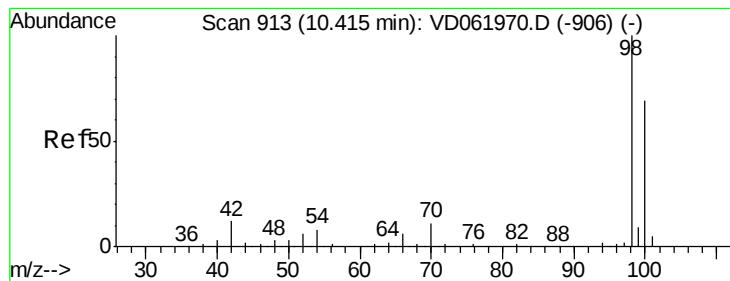
43 26.3 23.4 35.0

58 44.3 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: 53.322 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

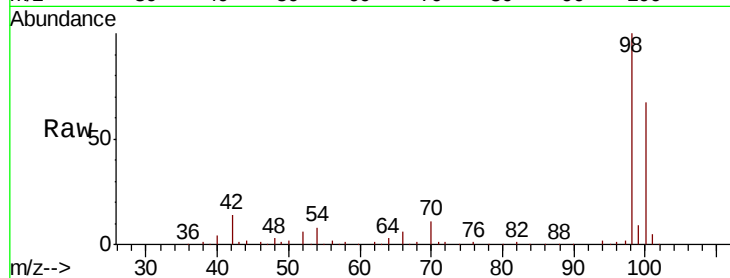
VD0506SBS01

Tot Ion: 98 Resp: 701270

Ion Ratio Lower Upper

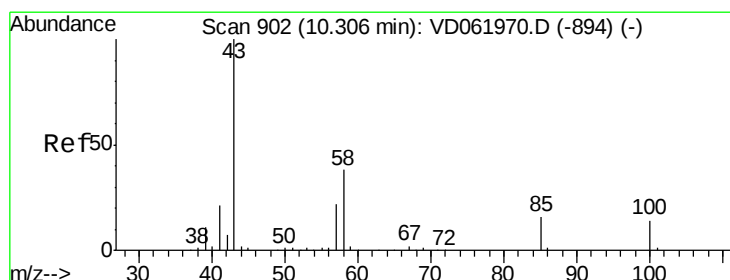
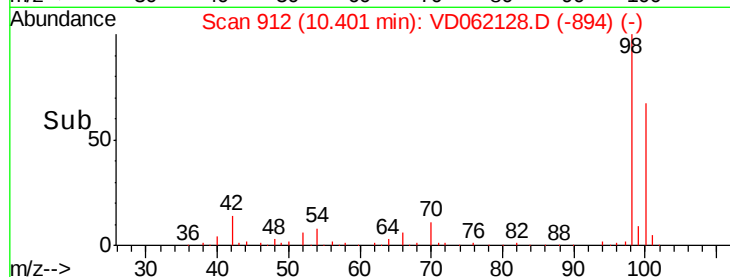
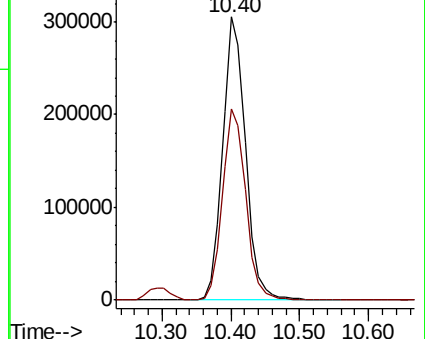
98 100

100 67.4 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 117.144 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD062128.D

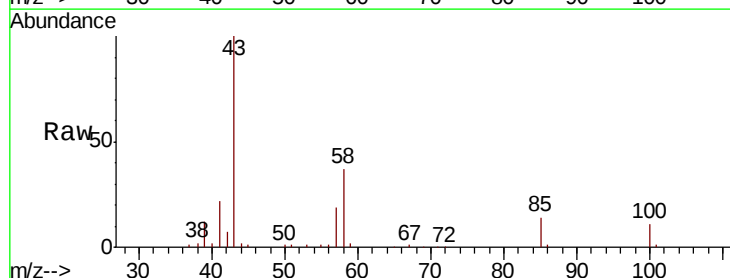
Acq: 6 May 2019 13:59

Tgt Ion: 43 Resp: 277739

Ion Ratio Lower Upper

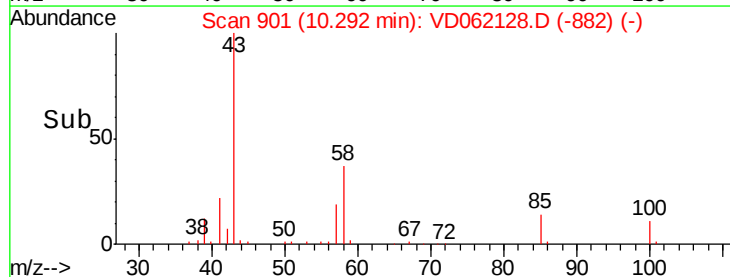
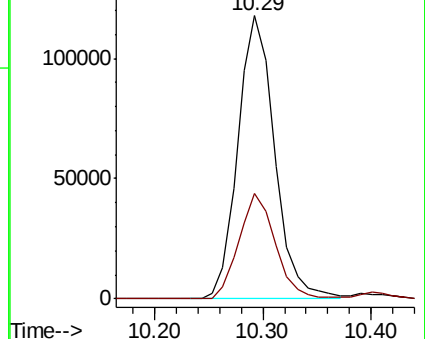
43 100

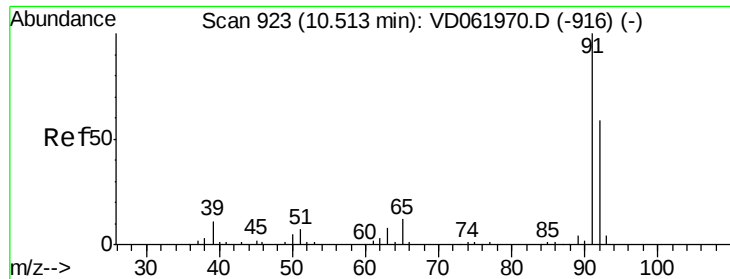
58 37.3 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 20.057 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.02 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

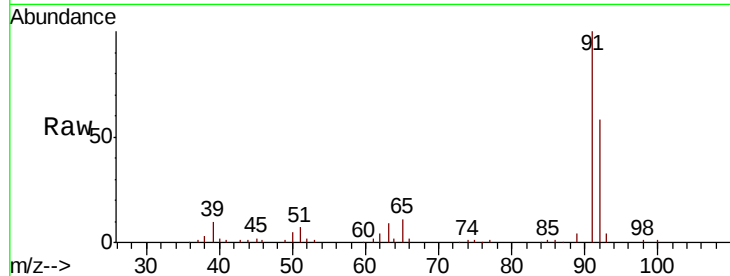
VD0506SBS01

Tot Ion: 92 Resp: 197129

Ion Ratio Lower Upper

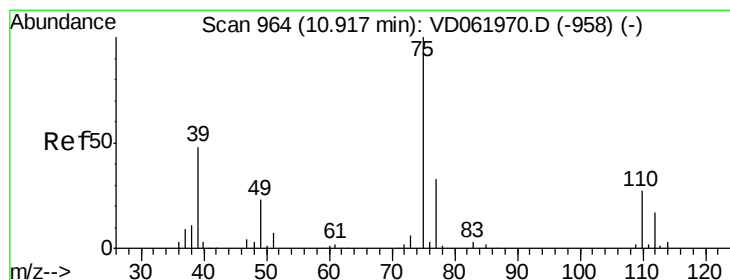
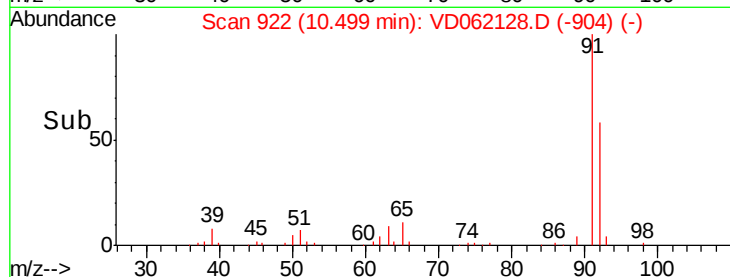
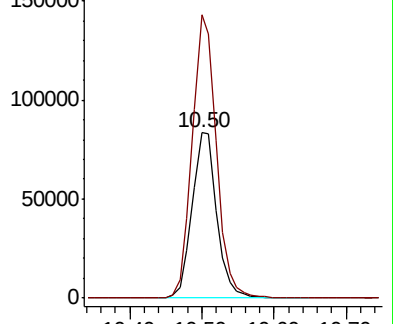
92 100

91 171.2 136.6 204.8



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: 23.182 ug/l

RT: 10.90 min Scan# 963

Delta R.T. -0.02 min

Lab File: VD062128.D

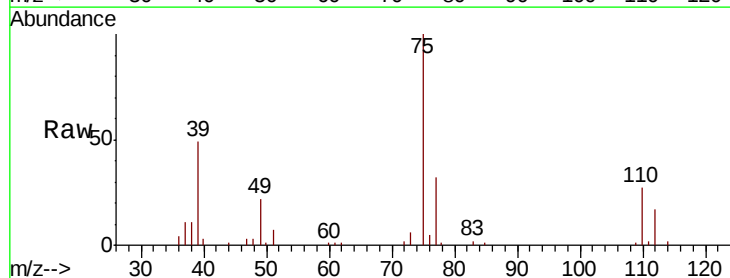
Acq: 6 May 2019 13:59

Tgt Ion: 75 Resp: 129373

Ion Ratio Lower Upper

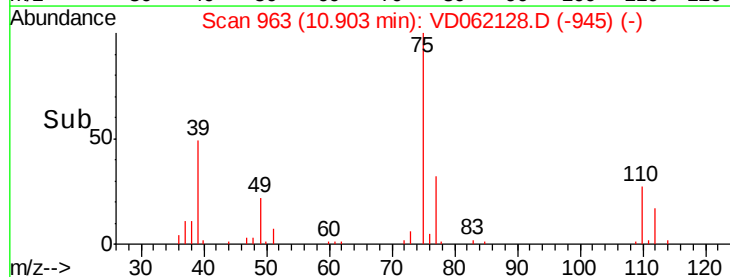
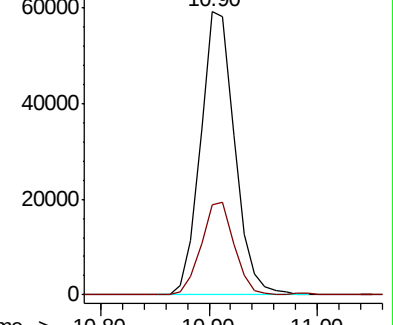
75 100

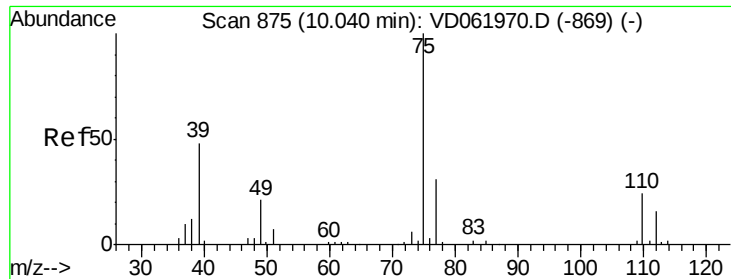
77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

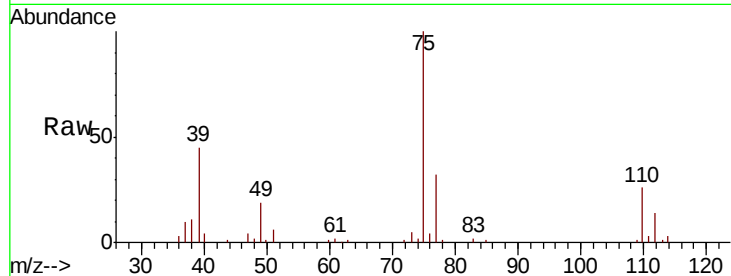




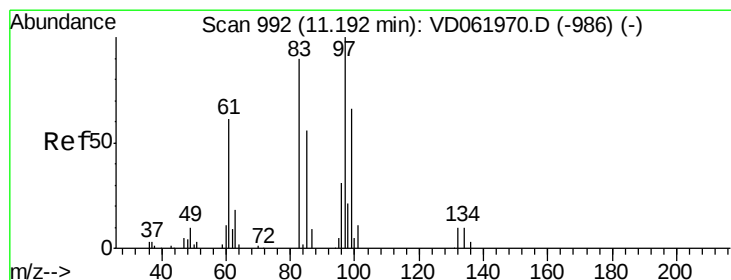
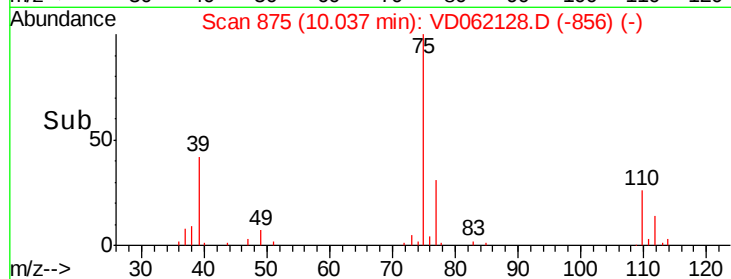
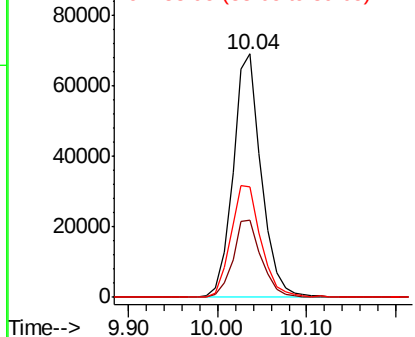
#54
 cis-1,3-Dichloropropene
 Concen: 22.441 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Tot Ion: 75 Resp: 152324
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3
 39 45.5 39.4 59.2

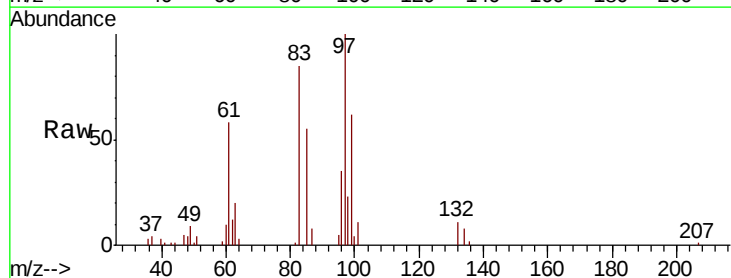


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC
 Ion 38.95 (38.65 to 39.65): VDC

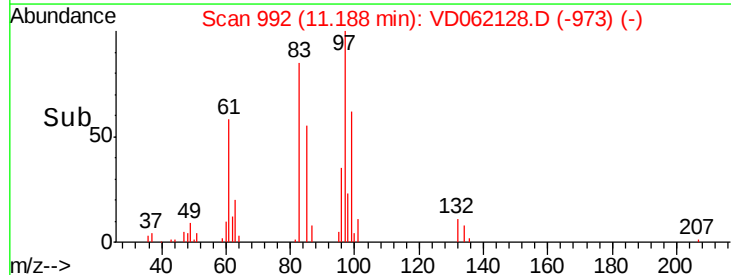
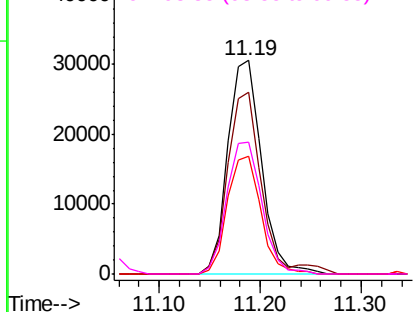


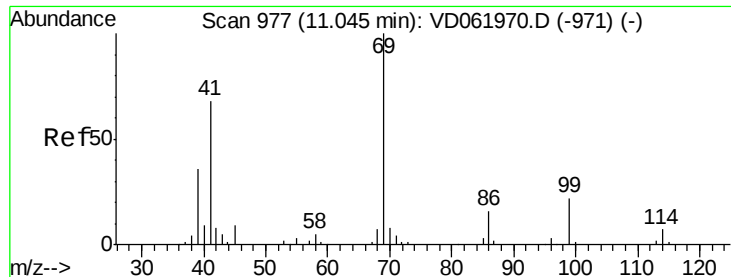
#55
 1,1,2-Trichloroethane
 Concen: 21.514 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion: 97 Resp: 70988
 Ion Ratio Lower Upper
 97 100
 83 85.3 65.7 98.5
 85 55.3 45.6 68.4
 99 61.7 48.4 72.6



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





#56

Ethyl methacrylate

Concen: 21.750 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleID :

VD0506SBS01

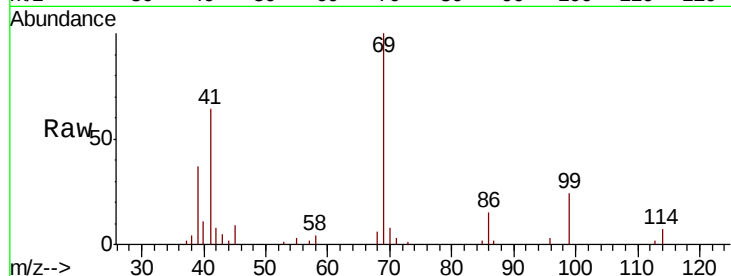
Tot Ion: 69 Resp: 79485

Ion Ratio Lower Upper

69 100

41 64.0 56.3 84.5

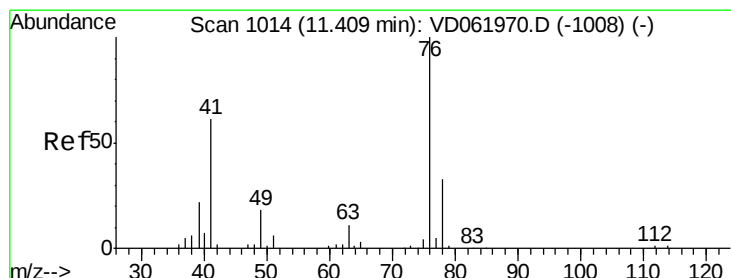
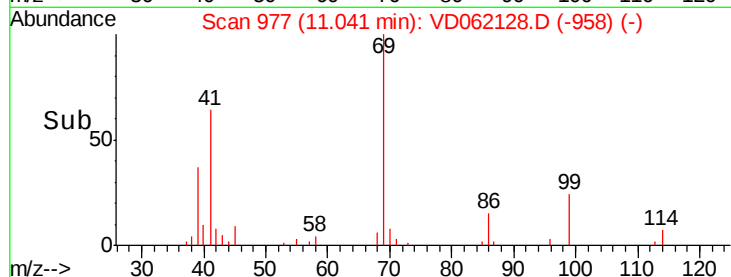
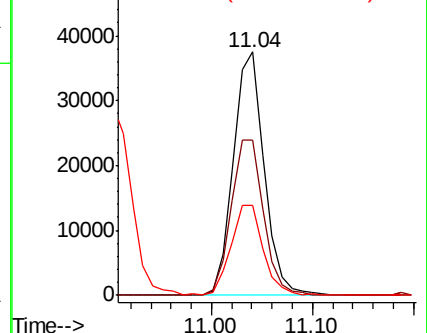
39 36.7 29.4 44.2



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: 20.581 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VD062128.D

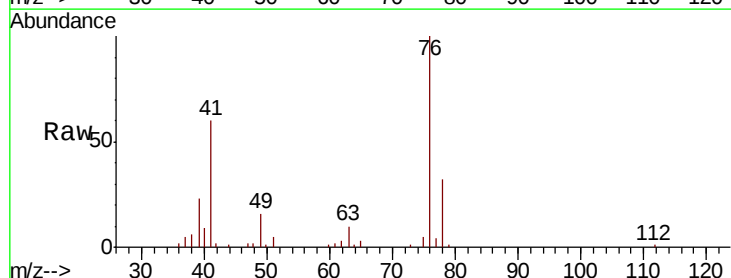
Acq: 6 May 2019 13:59

Tgt Ion: 76 Resp: 104885

Ion Ratio Lower Upper

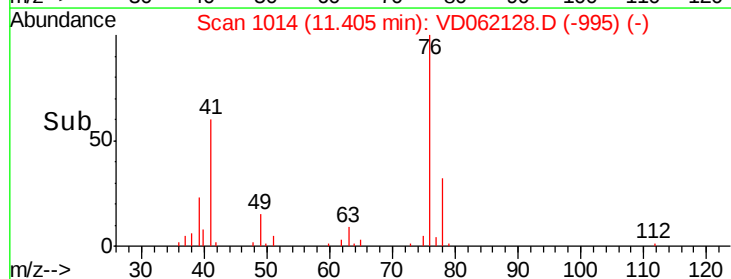
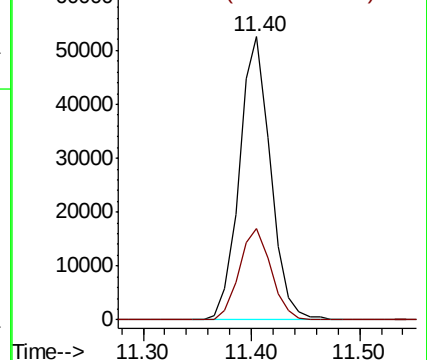
76 100

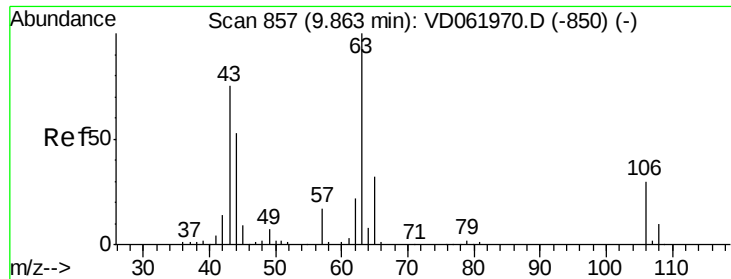
78 32.1 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

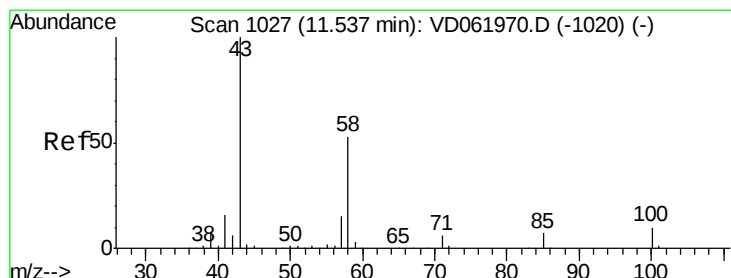
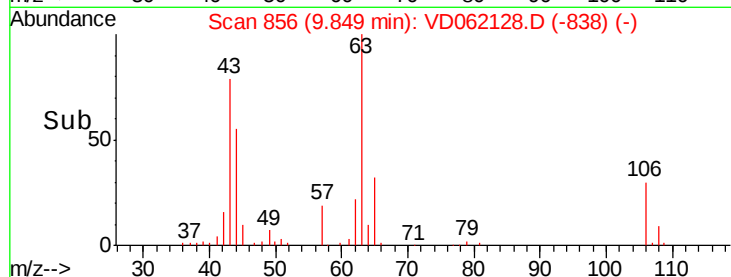
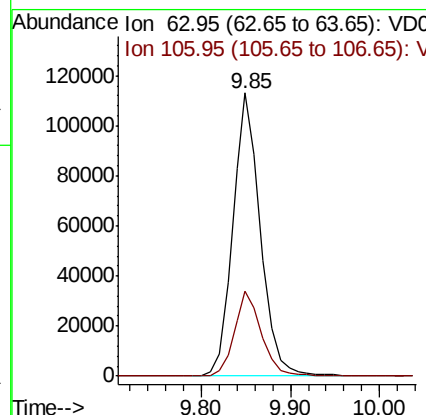
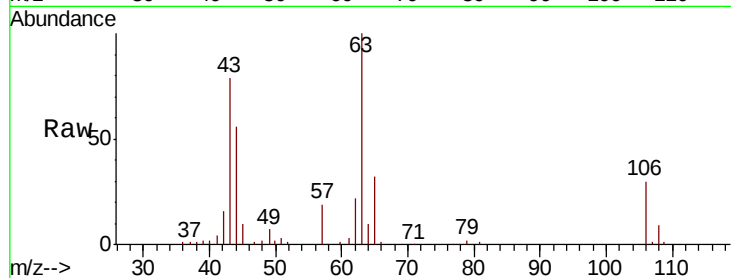




#58
 2-Chloroethyl Vinyl ether
 Concen: 143.495 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

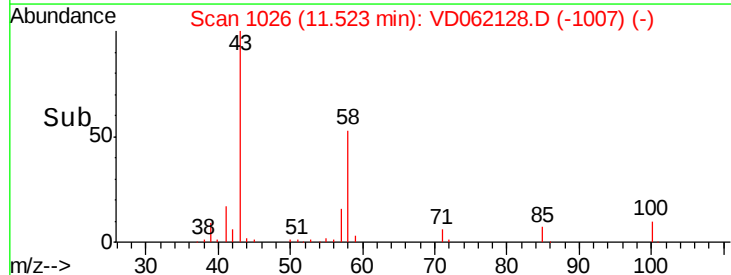
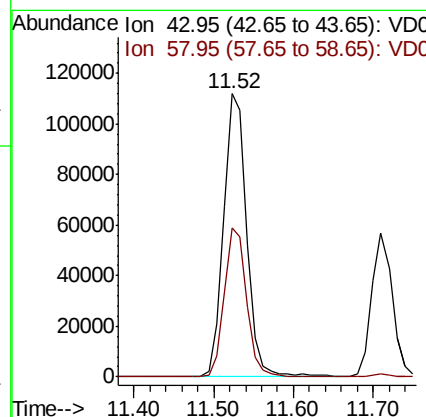
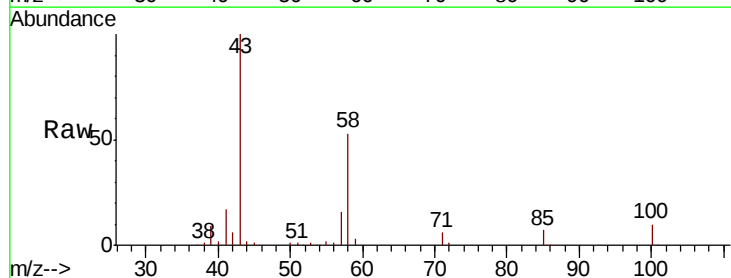
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

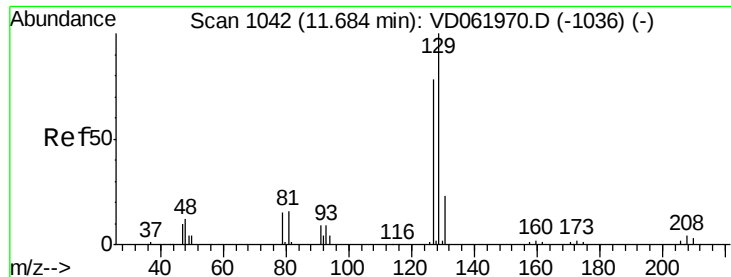
Tot Ion: 63 Resp: 243809
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.6 34.0



#59
 2-Hexanone
 Concen: 128.643 ug/l
 RT: 11.52 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion: 43 Resp: 228796
 Ion Ratio Lower Upper
 43 100
 58 52.7 25.4 76.4





#60

Dibromochloromethane

Concen: 23.285 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

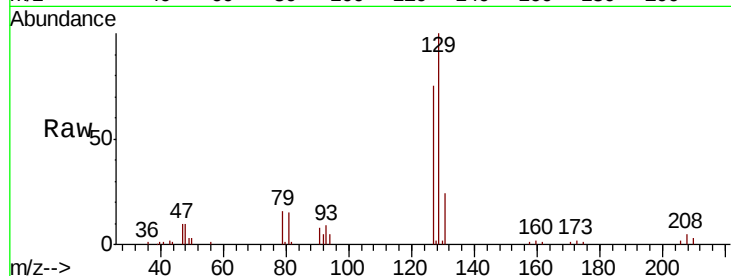
VD0506SBS01

Tot Ion:129 Resp: 127129

Ion Ratio Lower Upper

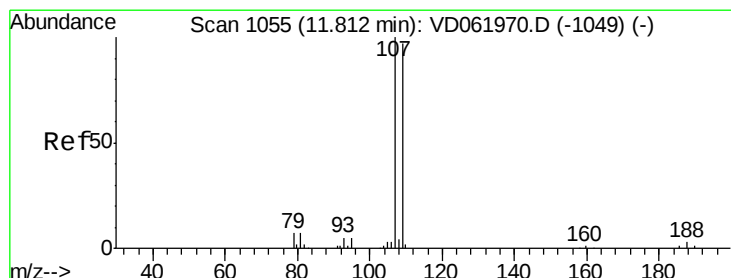
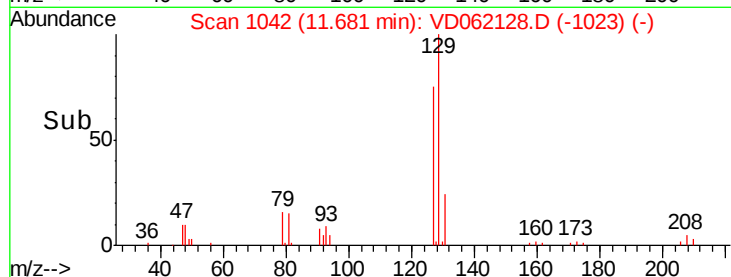
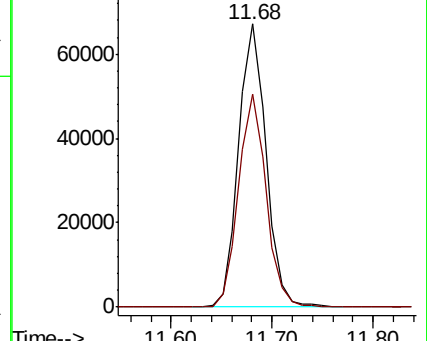
129 100

127 75.2 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: 20.822 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VD062128.D

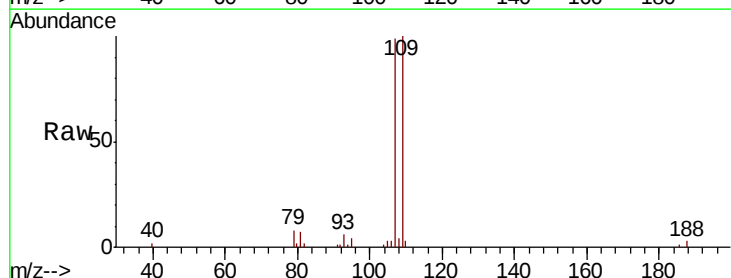
Acq: 6 May 2019 13:59

Tgt Ion:107 Resp: 81500

Ion Ratio Lower Upper

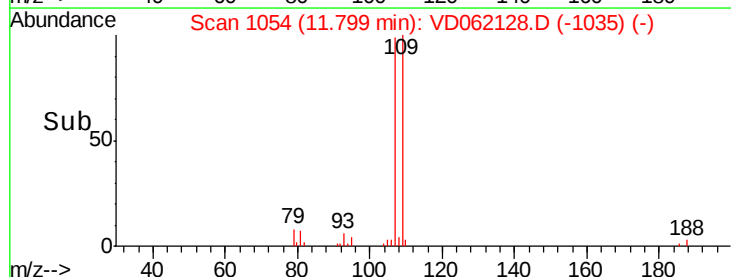
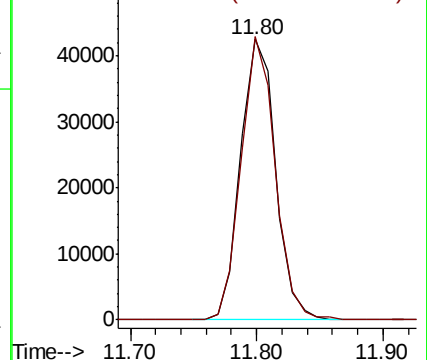
107 100

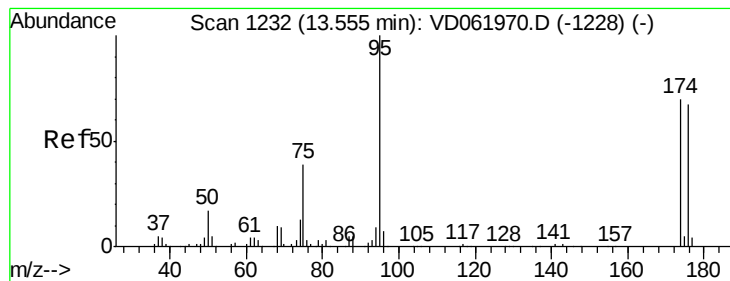
109 100.8 78.3 117.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V





#62

4-Bromofluorobenzene

Concen: 55.886 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

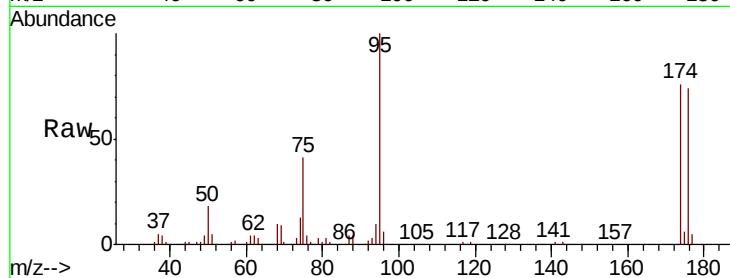
Tot Ion: 95 Resp: 294802

Ion Ratio Lower Upper

95 100

174 75.9 0.0 181.8

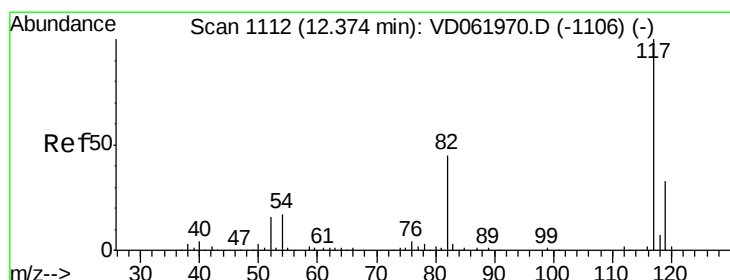
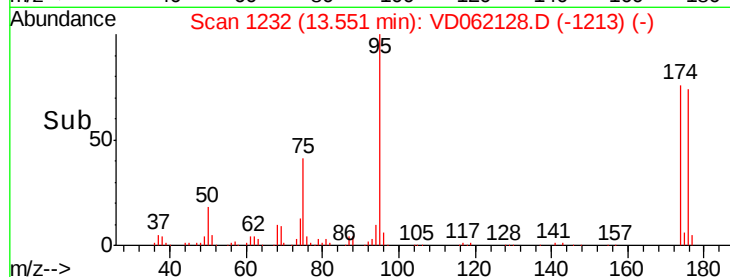
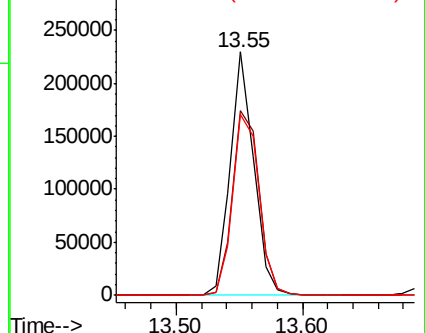
176 74.4 0.0 174.4



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: VD062128.D

Acq: 6 May 2019 13:59

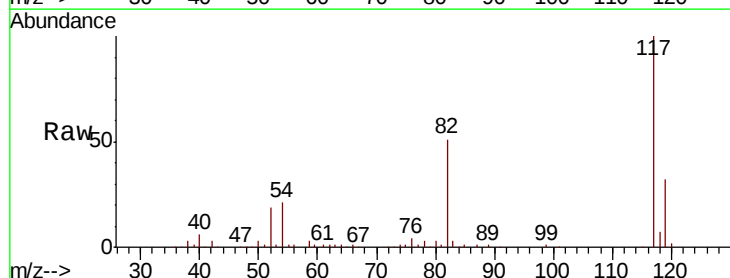
Tgt Ion: 117 Resp: 703475

Ion Ratio Lower Upper

117 100

82 51.1 36.2 54.2

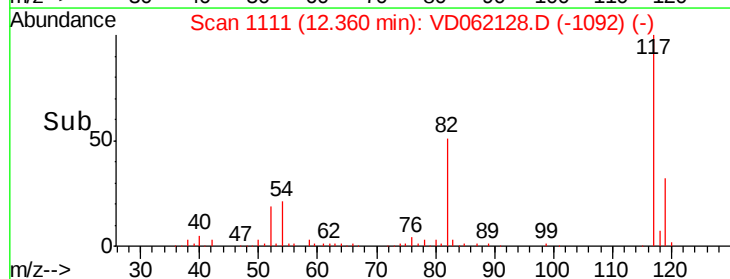
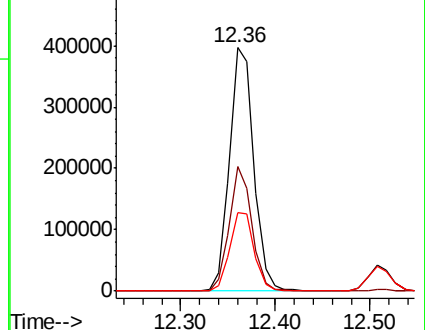
119 32.1 26.2 39.4

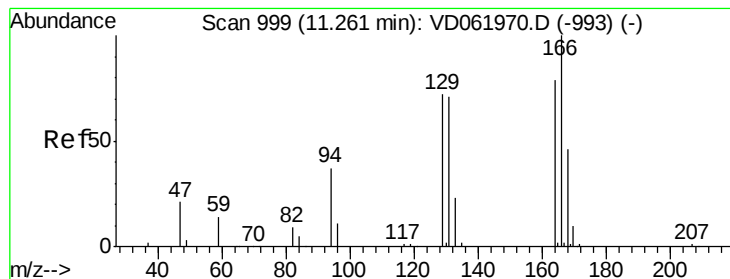


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 17.341 ug/l

RT: 11.26 min Scan# 999

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

Tot Ion:164 Resp: 87022

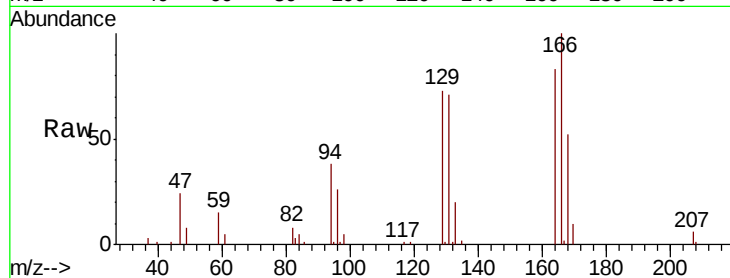
Ion Ratio Lower Upper

164 100

166 120.5 101.5 152.3

129 88.3 74.6 112.0

131 86.1 72.6 108.8

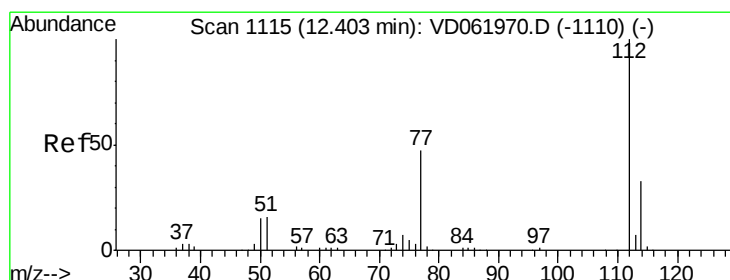
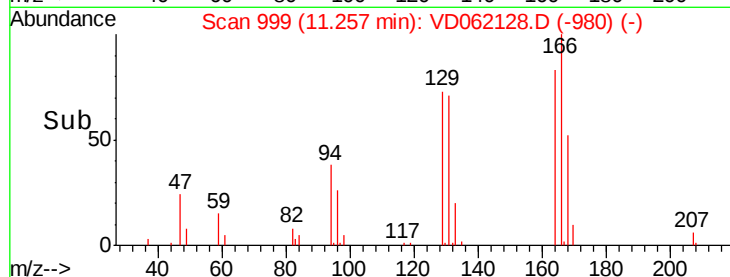
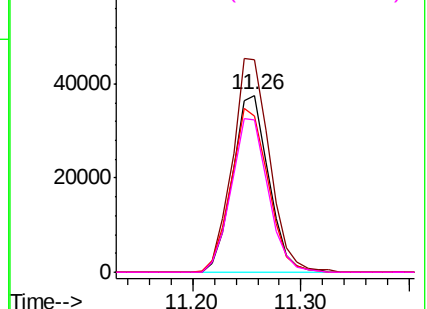


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.585 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD062128.D

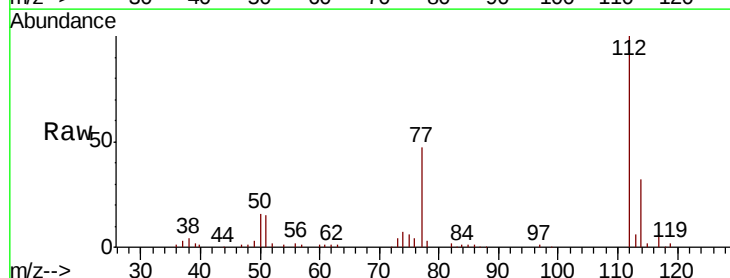
Acq: 6 May 2019 13:59

Tgt Ion:112 Resp: 260346

Ion Ratio Lower Upper

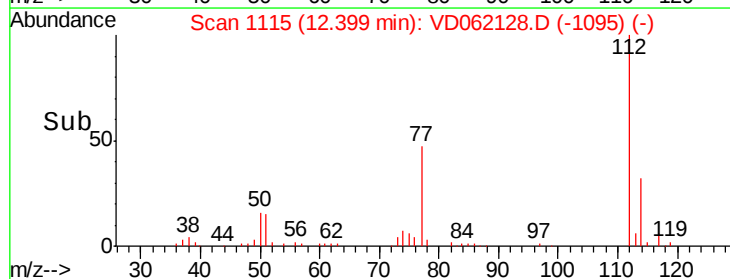
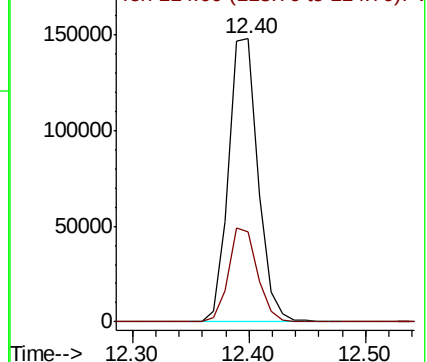
112 100

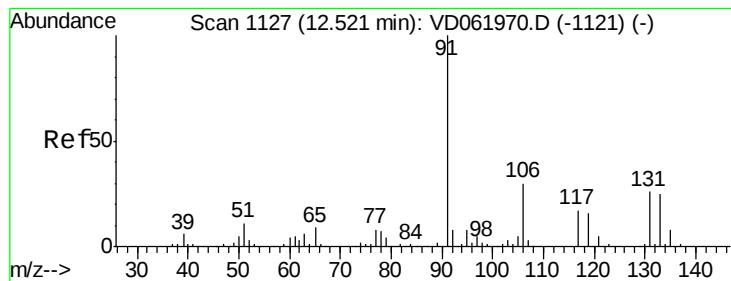
114 31.8 25.8 38.8



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: 18.238 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

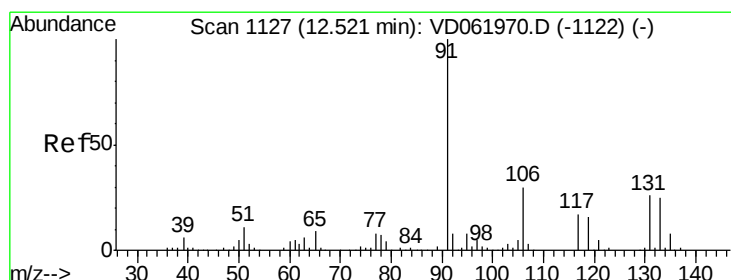
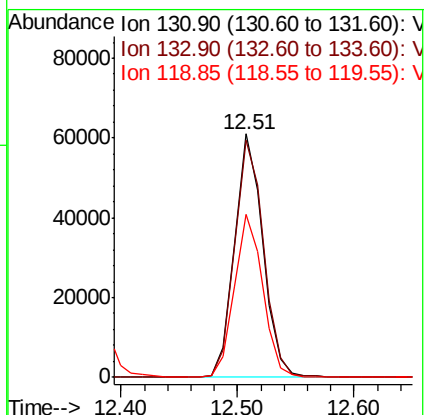
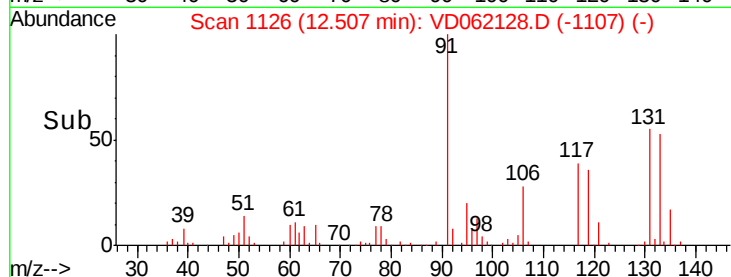
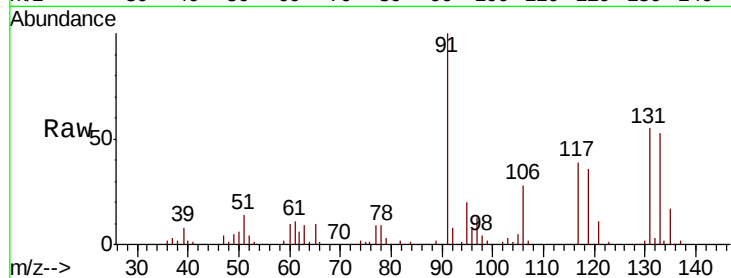
Tot Ion:131 Resp: 102840

Ion Ratio Lower Upper

131 100

133 97.5 48.6 145.8

119 66.8 34.7 104.1



#67

Ethyl Benzene

Concen: 17.653 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. -0.01 min

Lab File: VD062128.D

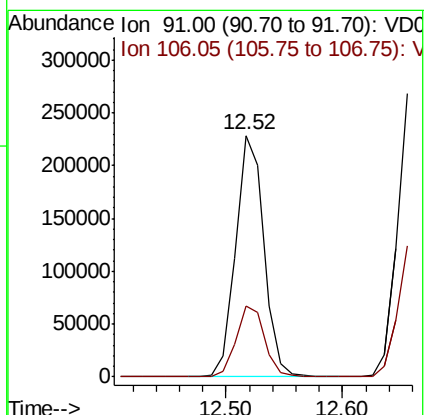
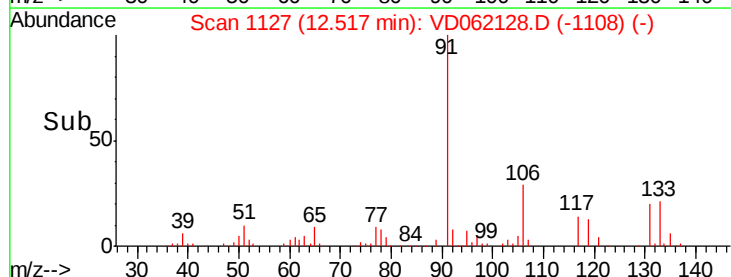
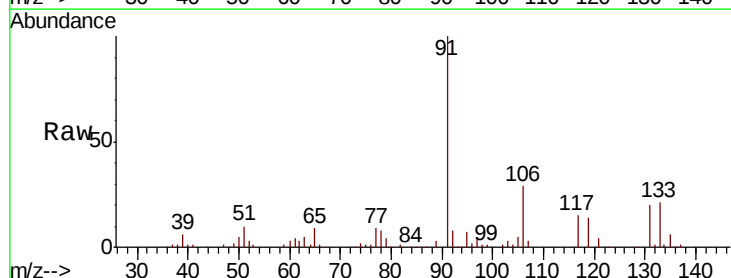
Acq: 6 May 2019 13:59

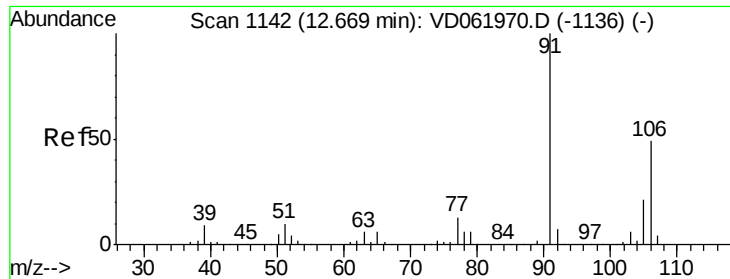
Tgt Ion: 91 Resp: 383018

Ion Ratio Lower Upper

91 100

106 29.5 24.7 37.1

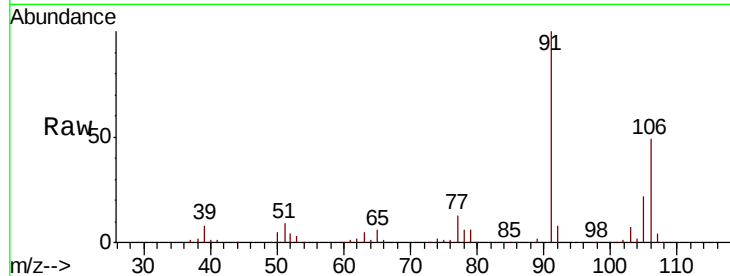




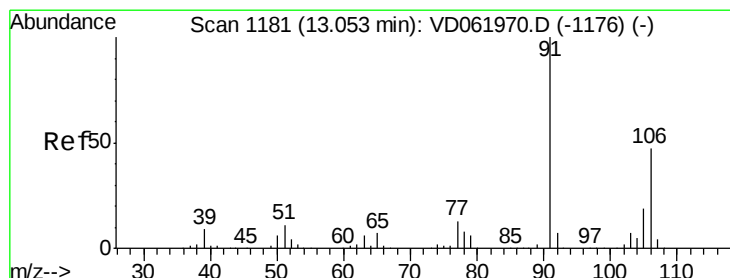
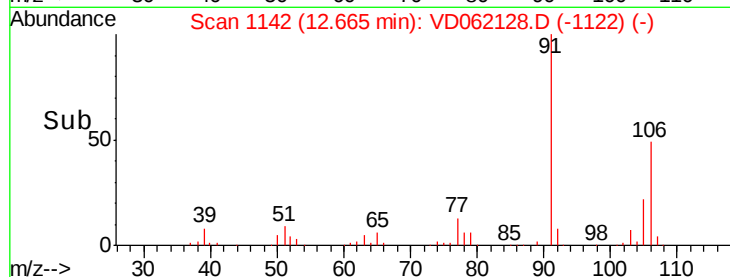
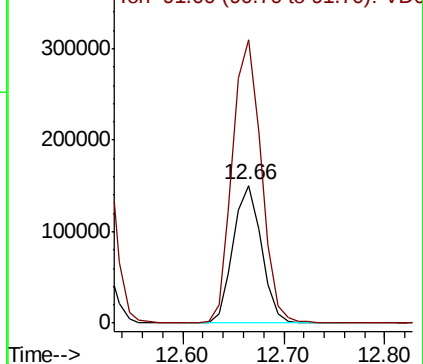
#68
m/p-Xylenes
Concen: 37.535 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:106 Resp: 294343
Ion Ratio Lower Upper
106 100
91 205.9 164.0 246.0

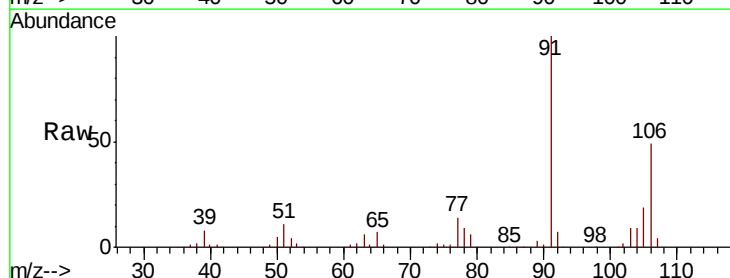


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

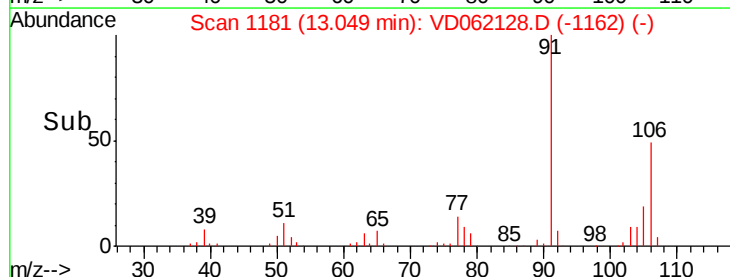
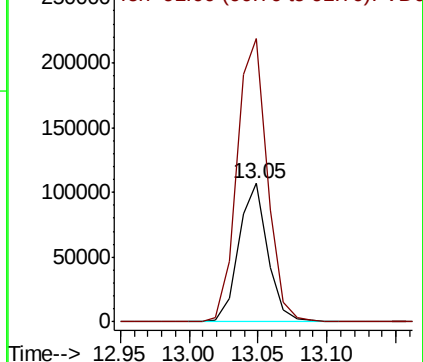


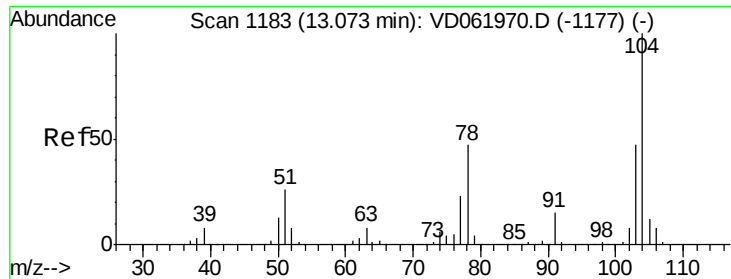
#69
o-Xylene
Concen: 21.786 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion:106 Resp: 156318
Ion Ratio Lower Upper
106 100
91 204.9 106.7 319.9



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

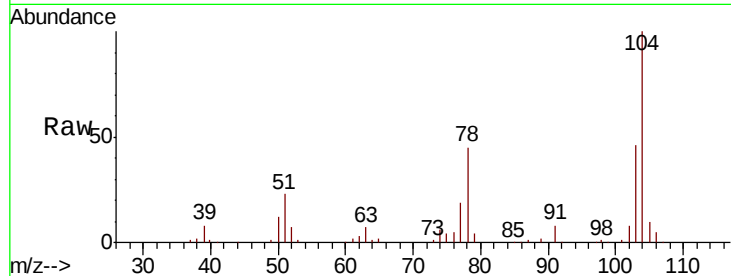




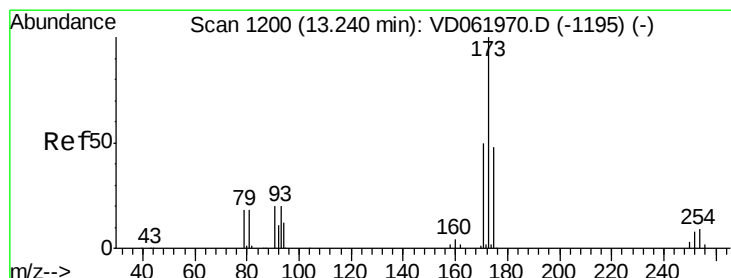
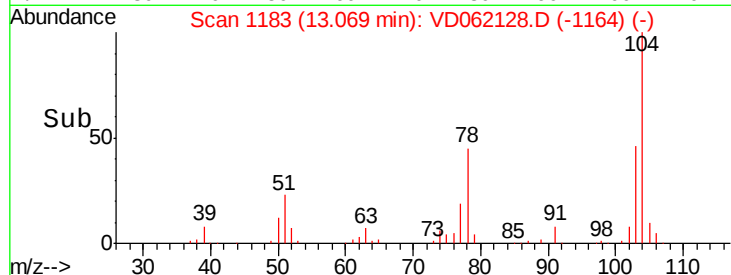
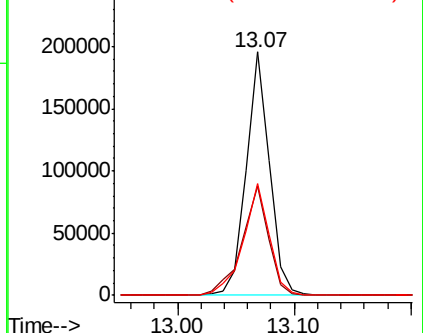
#70
Stvrene
Concen: 21.831 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

Tot Ion:104 Resp: 270467
Ion Ratio Lower Upper
104 100
78 44.6 35.4 53.2
103 46.0 37.5 56.3

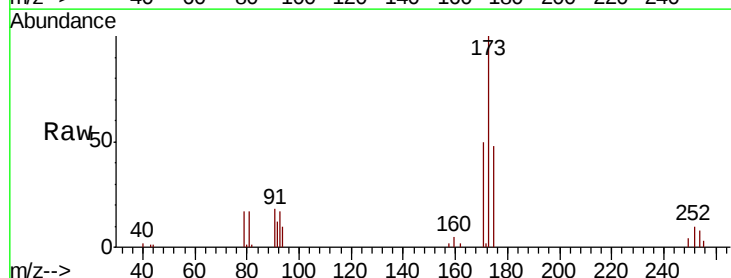


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

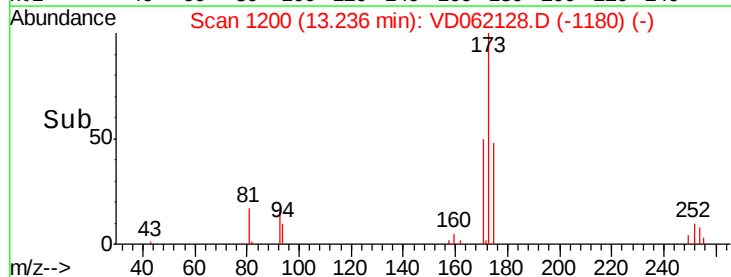
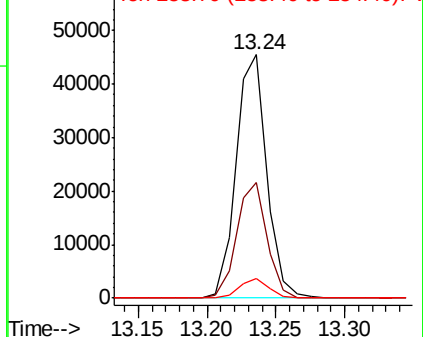


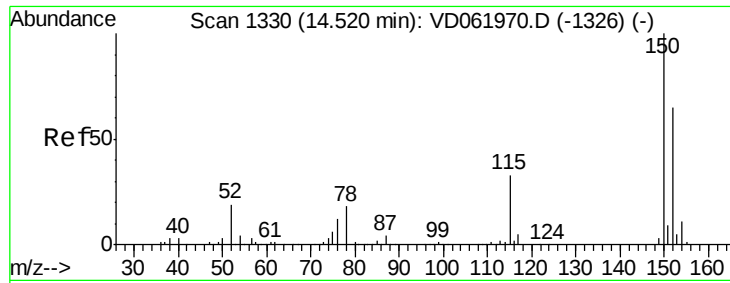
#71
Bromoform
Concen: 21.874 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion:173 Resp: 70319
Ion Ratio Lower Upper
173 100
175 47.7 24.4 73.4
254 8.1 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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

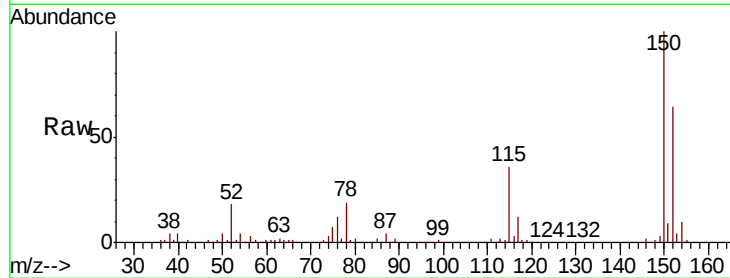
MSVOA_D

ClientSampleId :

VD0506SBS01

Tot Ion:152 Resp: 328714

Ion	Ratio	Lower	Upper
152	100		
115	55.9	30.9	92.7
150	157.0	0.0	314.8

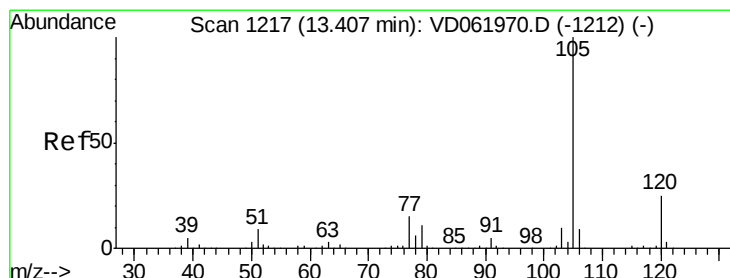
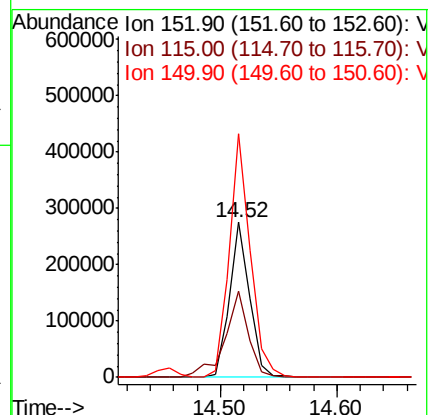
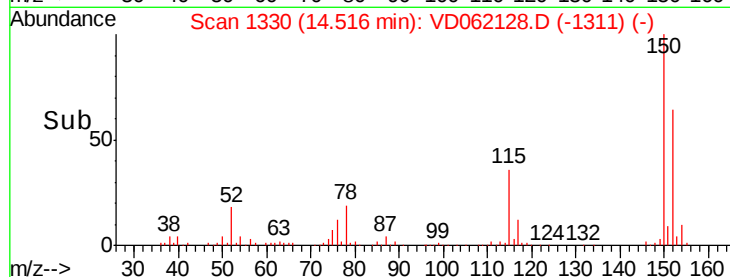


Abundance

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: 20.100 ug/l

RT: 13.40 min Scan# 1217

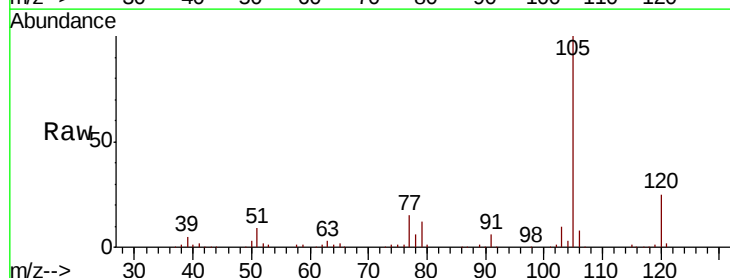
Delta R.T. 0.00 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Tgt Ion:105 Resp: 440749

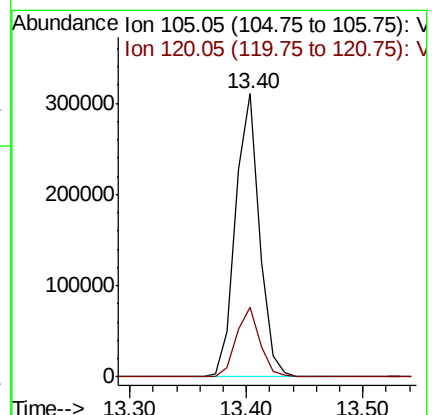
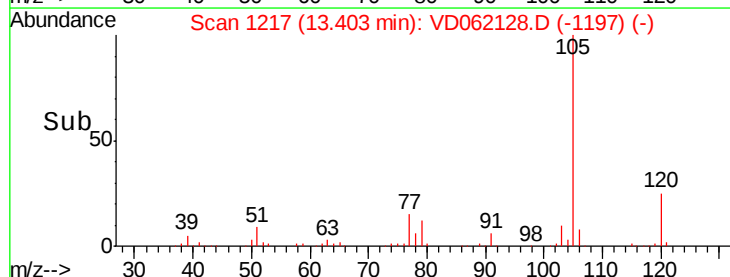
Ion	Ratio	Lower	Upper
105	100		
120	24.6	12.0	36.1

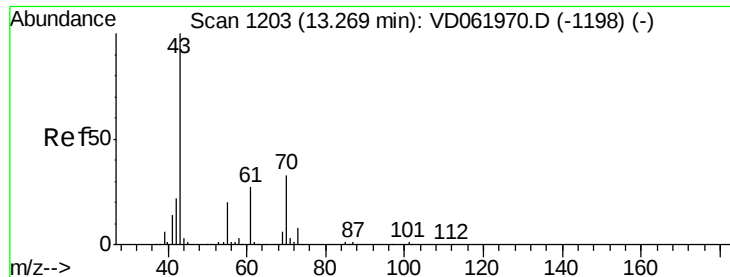


Abundance

Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 20.697 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

Tot Ion: 43 Resp: 116878

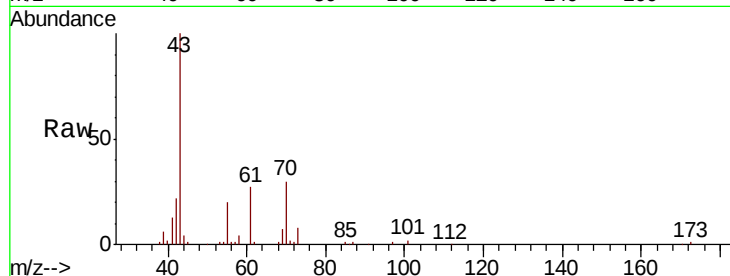
Ion Ratio Lower Upper

43 100

70 30.4 24.2 36.4

55 20.0 16.0 24.0

61 27.5 21.6 32.4

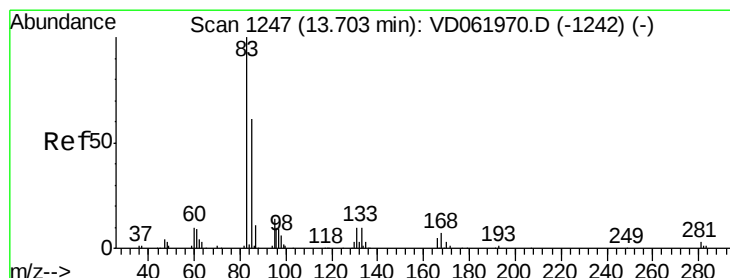
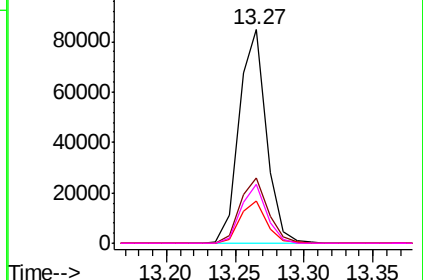
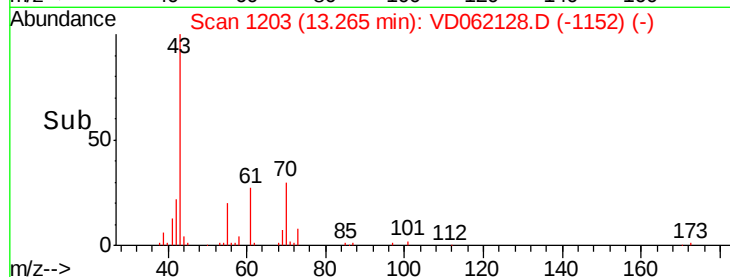


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 20.596 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

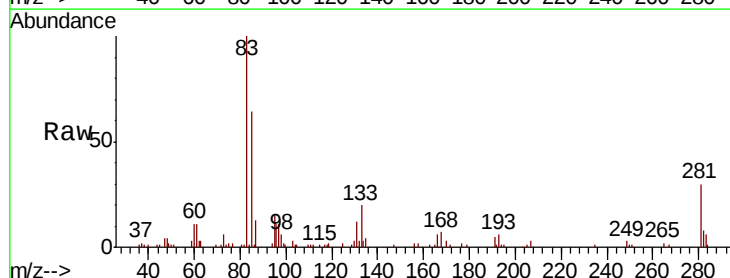
Tgt Ion: 83 Resp: 88502

Ion Ratio Lower Upper

83 100

131 11.6 5.0 14.9

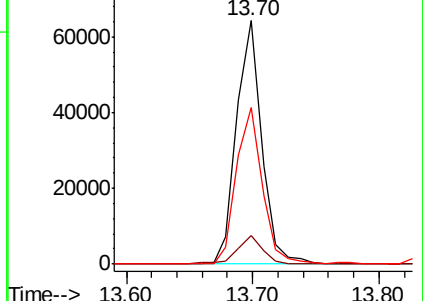
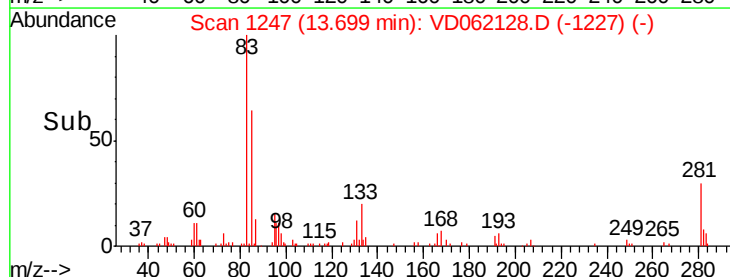
85 64.2 32.6 97.7

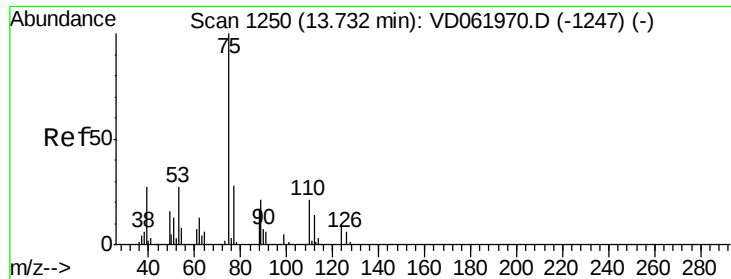


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

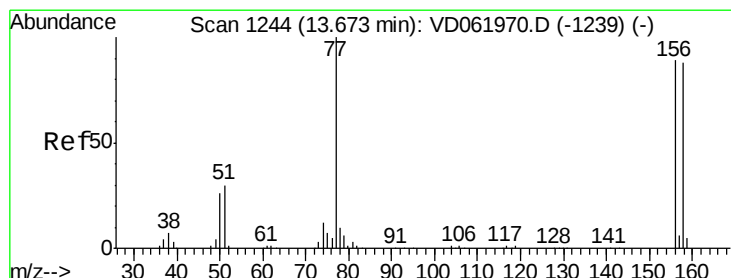
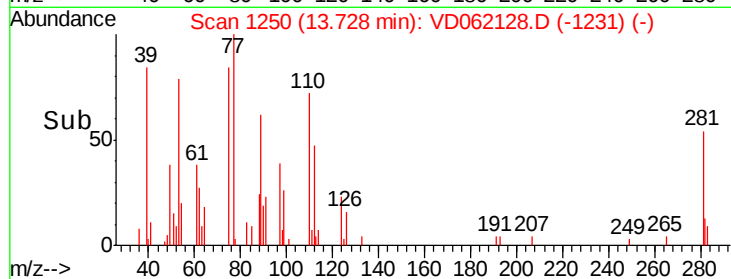
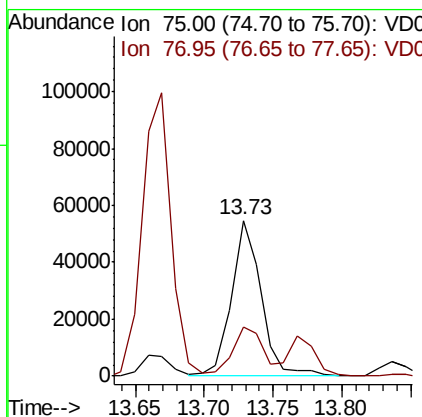
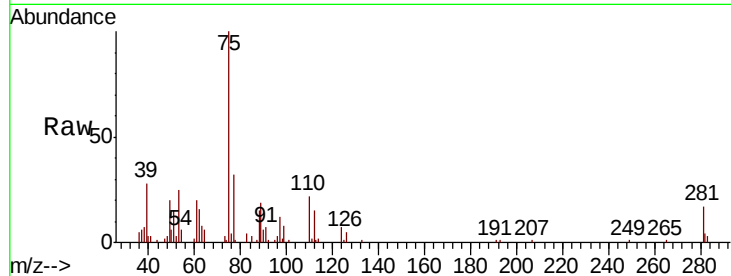




#76
 1,2,3-Trichloropropane
 Concen: 19.716 ug/l
 RT: 13.73 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

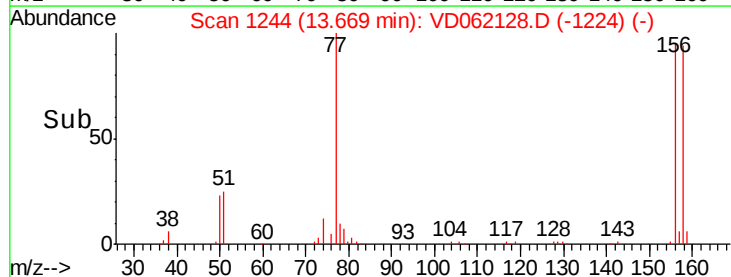
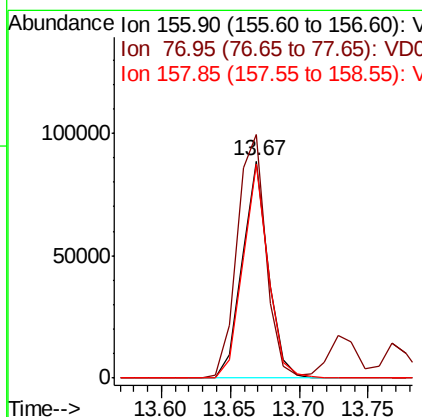
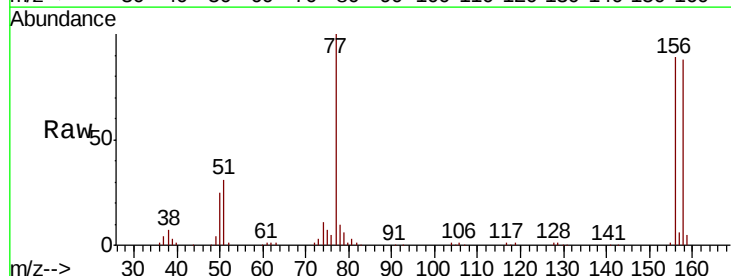
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

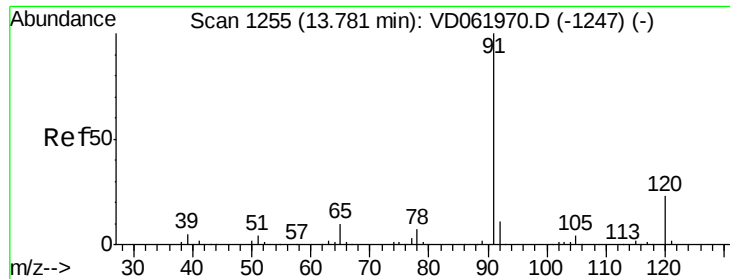
Tot Ion: 75 Resp: 82297
 Ion Ratio Lower Upper
 75 100
 77 31.9 16.4 49.4



#77
 Bromobenzene
 Concen: 18.517 ug/l
 RT: 13.67 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion: 156 Resp: 116478
 Ion Ratio Lower Upper
 156 100
 77 112.1 53.1 159.4
 158 98.4 49.4 148.0





#78

n-propylbenzene

Concen: 19.837 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

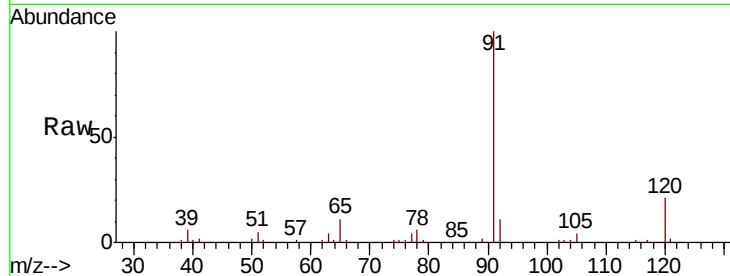
VD0506SBS01

Tot Ion: 91 Resp: 497934

Ion Ratio Lower Upper

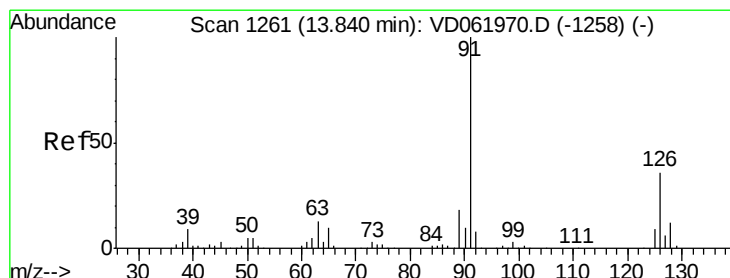
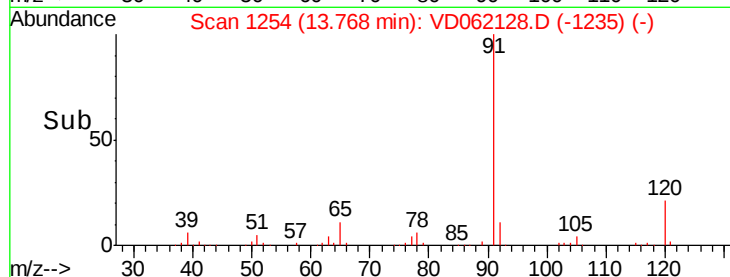
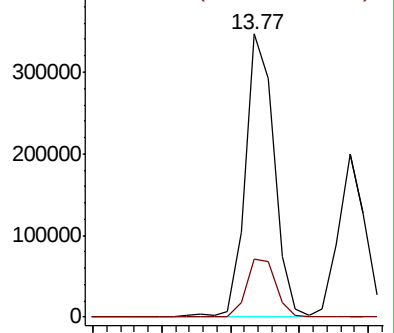
91 100

120 20.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 17.734 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD062128.D

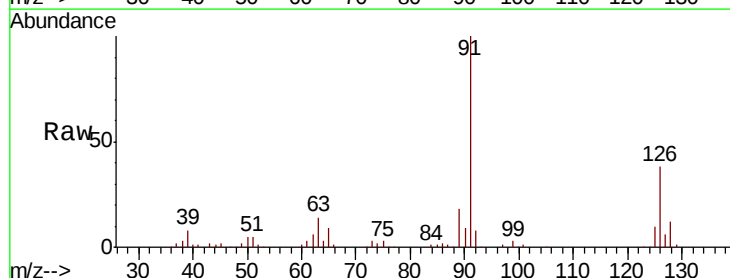
Acq: 6 May 2019 13:59

Tgt Ion: 91 Resp: 269638

Ion Ratio Lower Upper

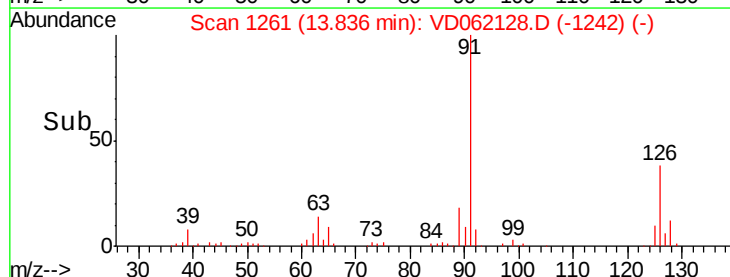
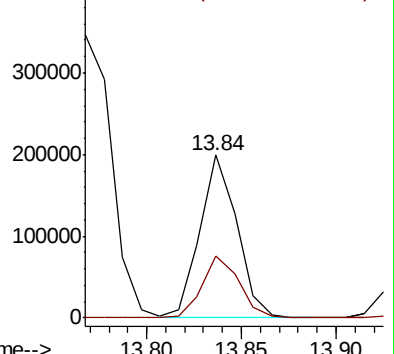
91 100

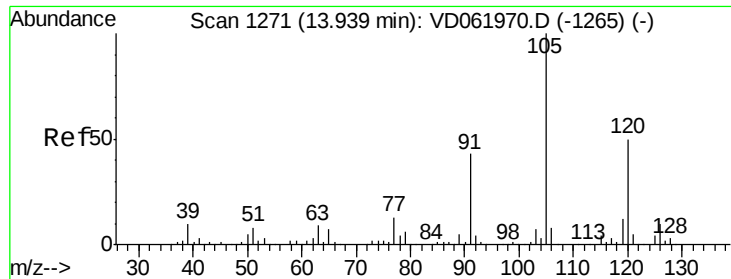
126 37.8 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

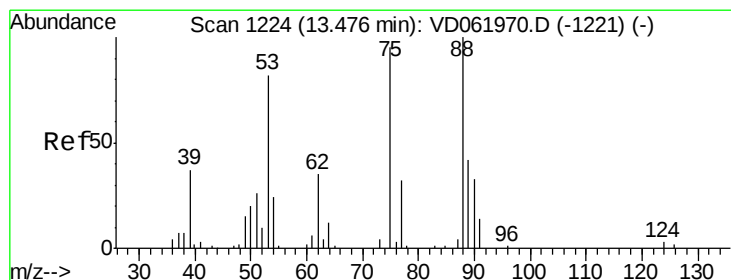
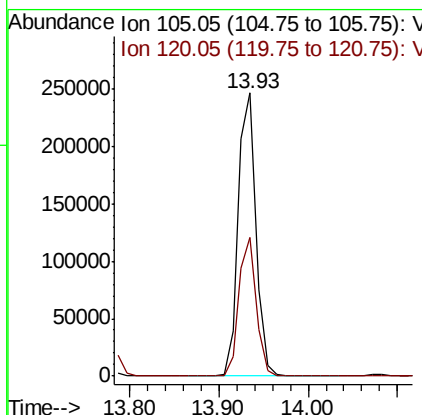
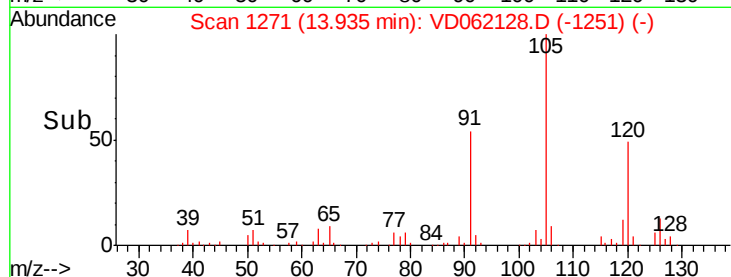
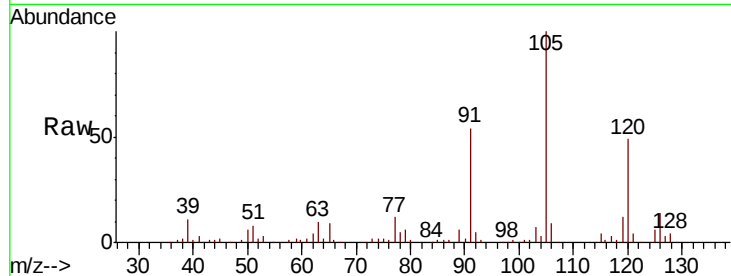




#80
 1,3,5-Trimethylbenzene
 Concen: 19.668 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

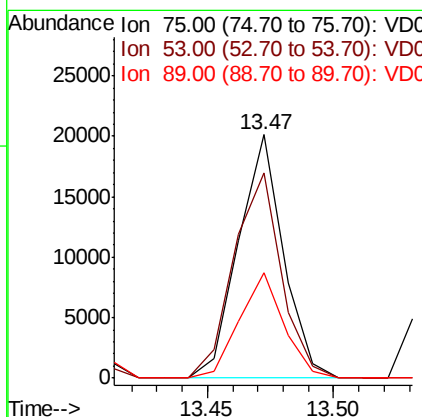
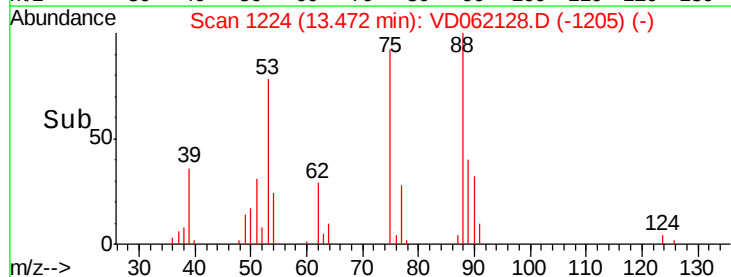
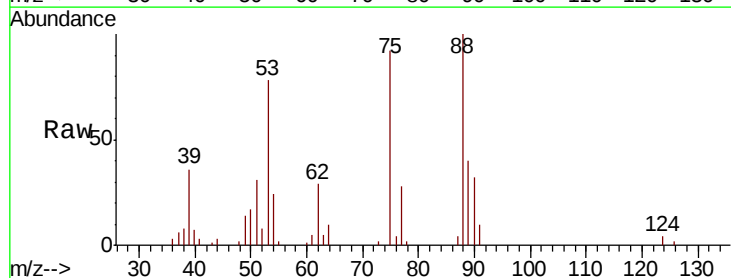
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

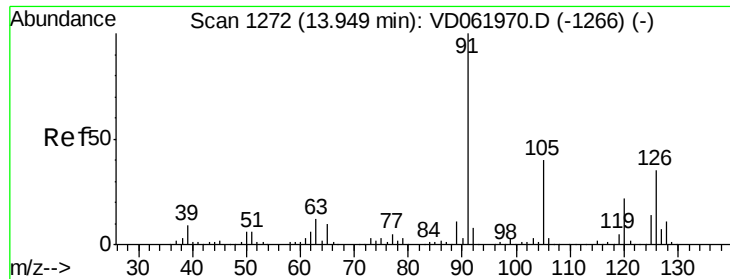
Tot Ion:105 Resp: 343873
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 19.701 ug/l
 RT: 13.47 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion: 75 Resp: 24920
 Ion Ratio Lower Upper
 75 100
 53 84.5 65.8 98.8
 89 43.3 35.0 52.6

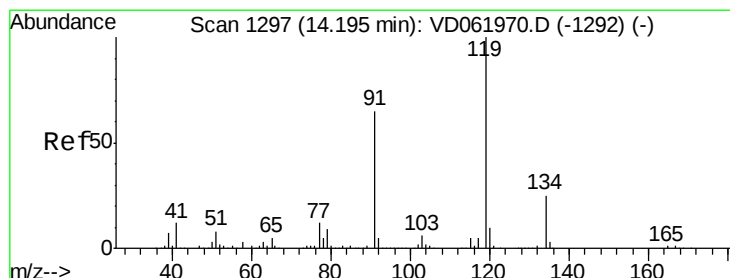
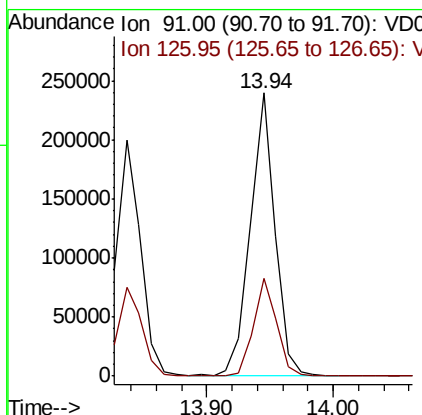
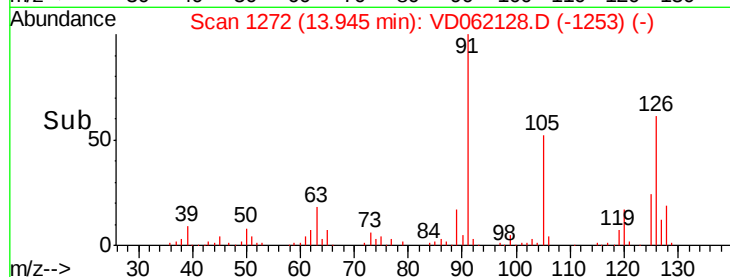
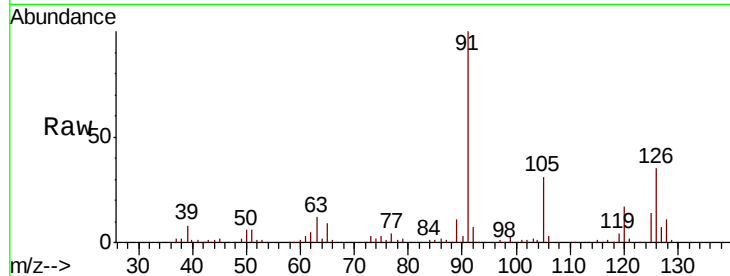




#82
4-Chlorotoluene
Concen: 19.362 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.01 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

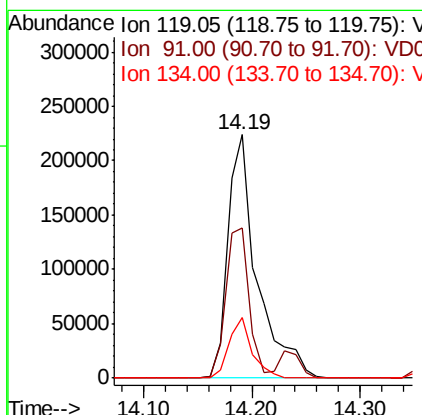
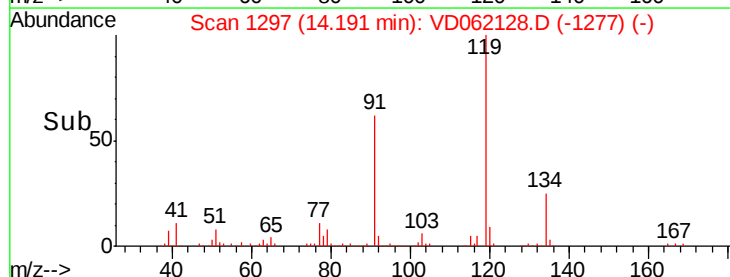
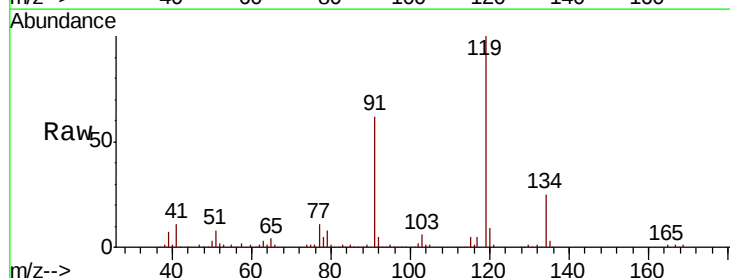
Instrument :
MSVOA_D
ClientSampleId :
VD0506SBS01

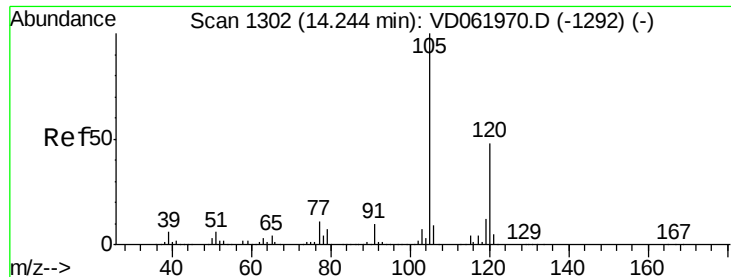
Tot Ion: 91 Resp: 324207
Ion Ratio Lower Upper
91 100
126 34.6 19.1 57.5



#83
tert-Butylbenzene
Concen: 20.792 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD062128.D
Acq: 6 May 2019 13:59

Tgt Ion: 119 Resp: 421125
Ion Ratio Lower Upper
119 100
91 61.8 34.2 102.6
134 24.6 12.0 36.0

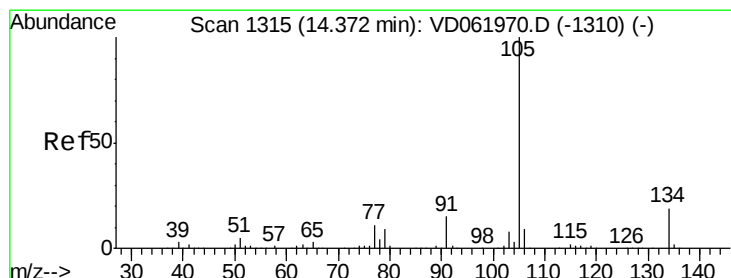
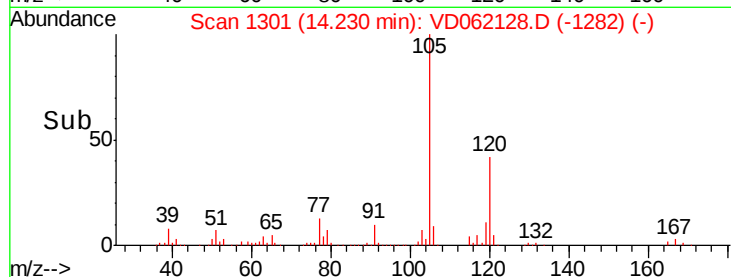
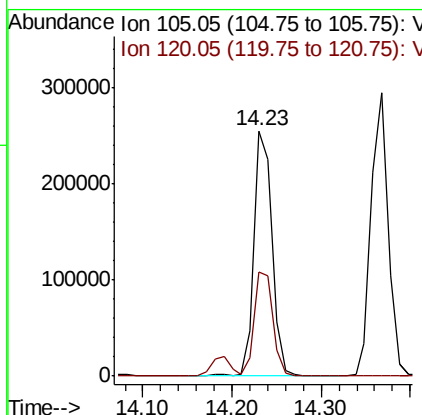
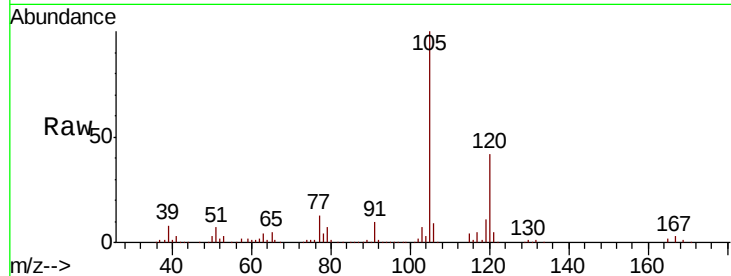




#84
 1,2,4-Trimethylbenzene
 Concen: 21.203 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

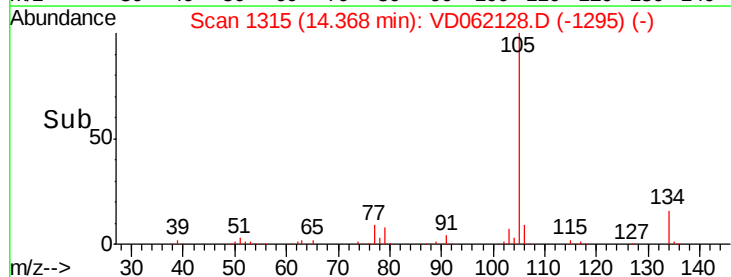
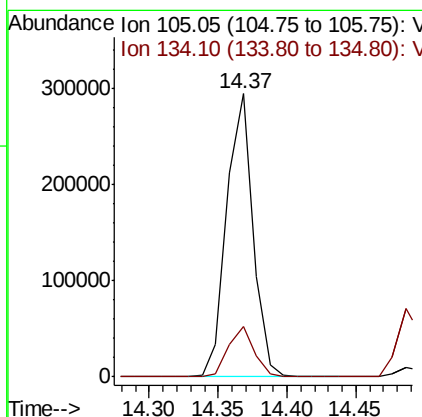
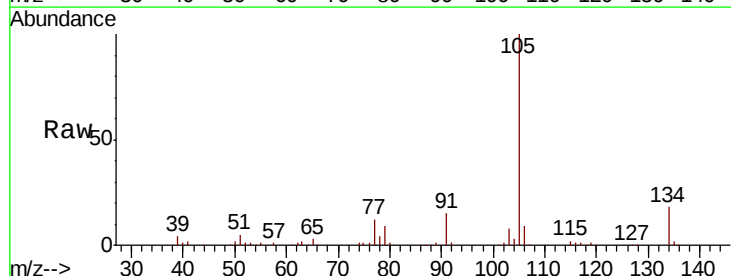
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

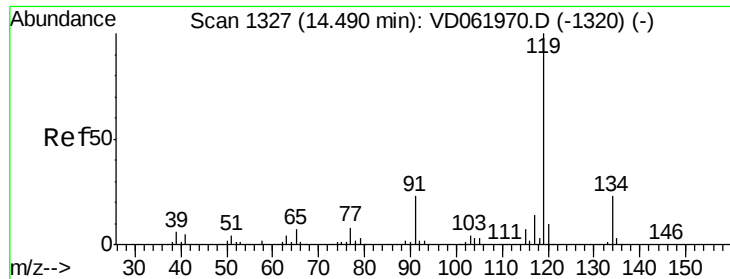
Tot Ion:105 Resp: 353974
 Ion Ratio Lower Upper
 105 100
 120 42.5 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 17.905 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion:105 Resp: 391844
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.7

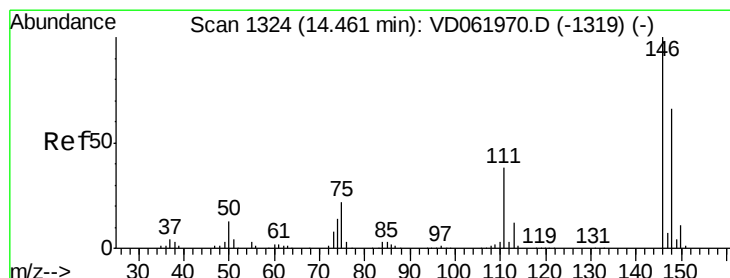
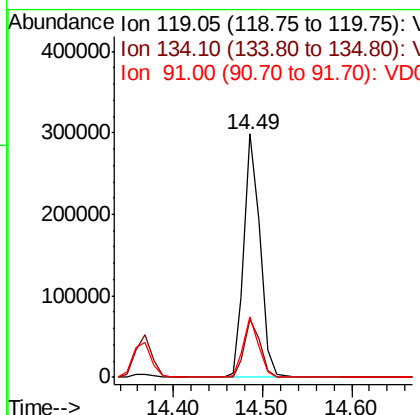
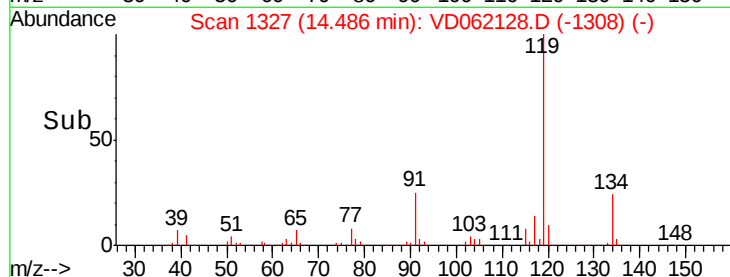
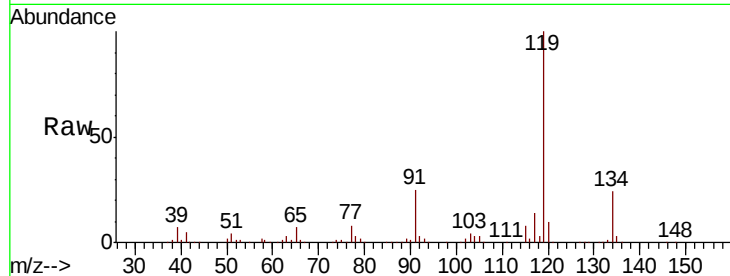




#86
 p-Isopropyltoluene
 Concen: 19.303 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

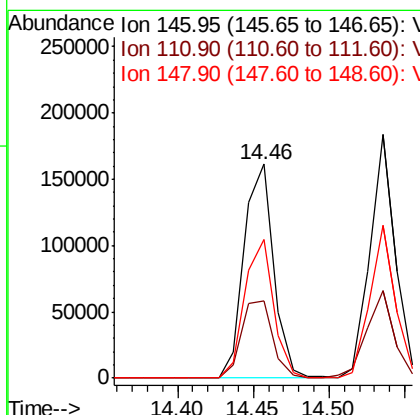
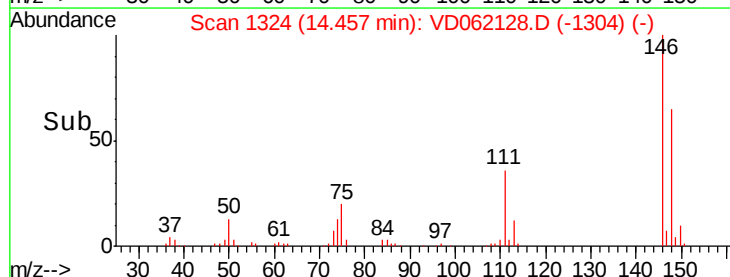
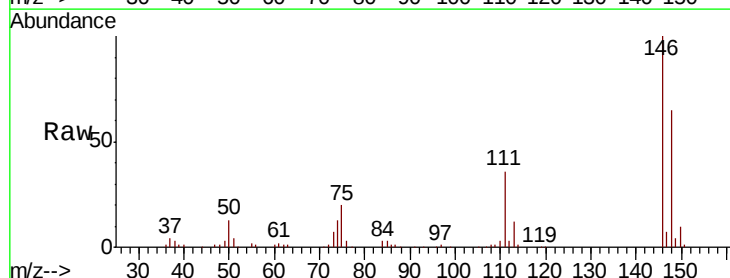
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0506SBS01

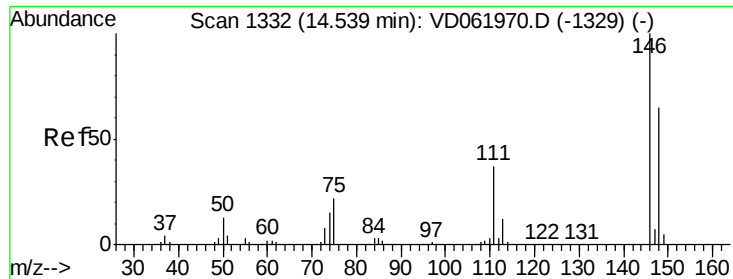
Tot Ion	Ratio	Lower	Upper
119	100		
134	23.8	12.8	38.3
91	24.7	10.7	32.1



#87
 1,3-Dichlorobenzene
 Concen: 19.972 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	20.0	60.0
148	64.8	31.8	95.4

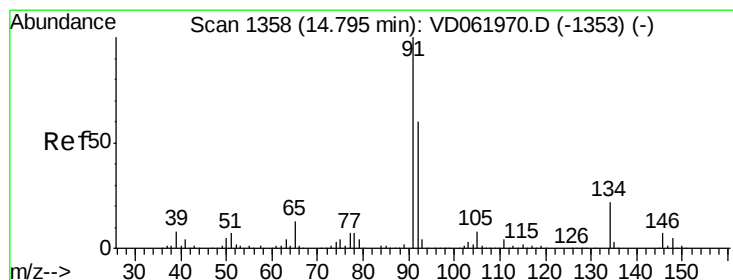
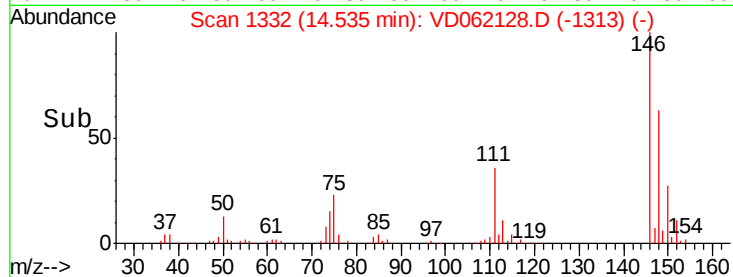
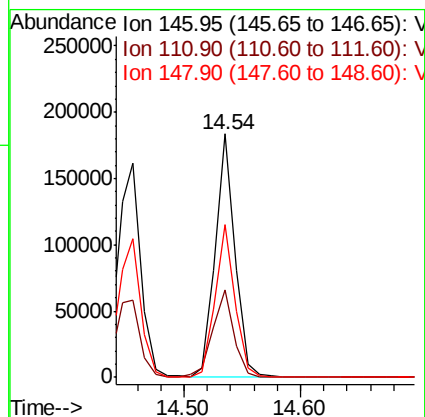
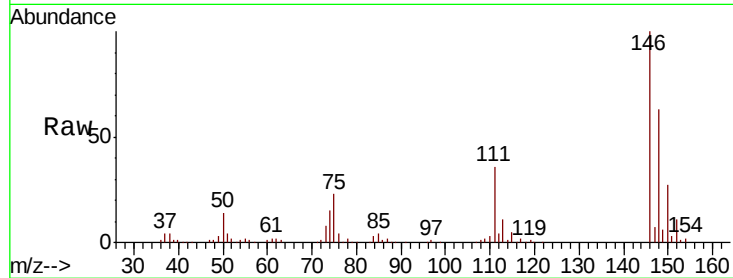




#88
 1,4-Dichlorobenzene
 Concen: 21.040 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

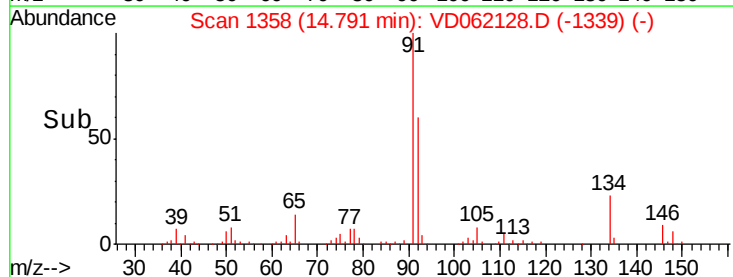
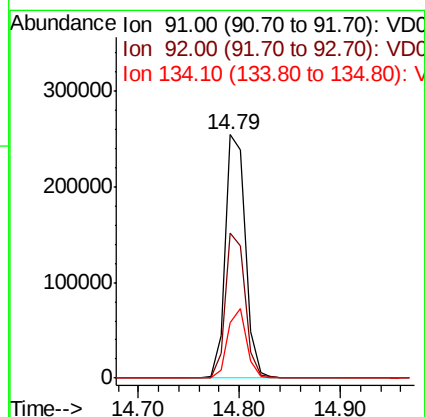
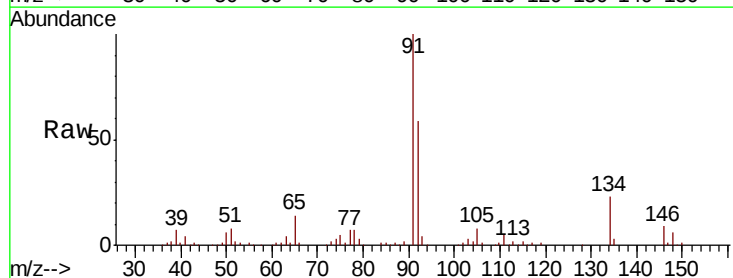
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0506SBS01

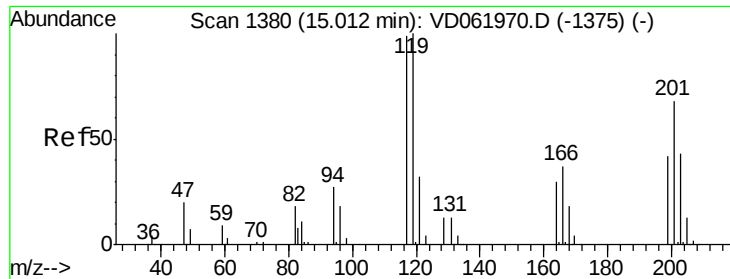
Tot Ion:146 Resp: 216749
 Ion Ratio Lower Upper
 146 100
 111 36.1 20.2 60.5
 148 62.9 32.0 96.2



#89
 n-Butylbenzene
 Concen: 20.136 ug/l
 RT: 14.79 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion: 91 Resp: 354079
 Ion Ratio Lower Upper
 91 100
 92 59.4 30.3 91.0
 134 22.8 14.5 43.6





#90

Hexachloroethane

Concen: 20.302 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

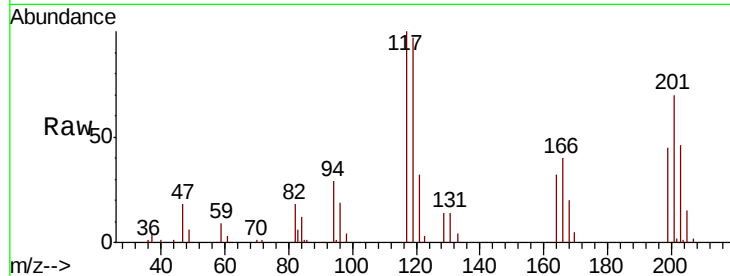
VD0506SBS01

Tot Ion:117 Resp: 107525

Ion Ratio Lower Upper

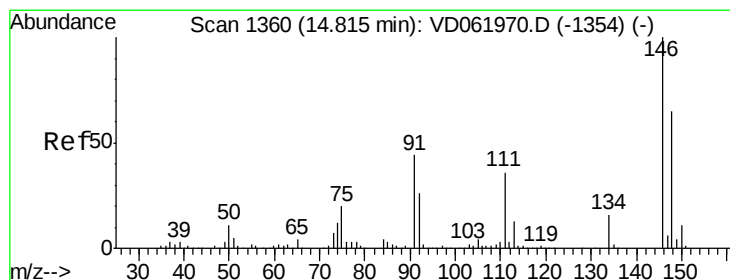
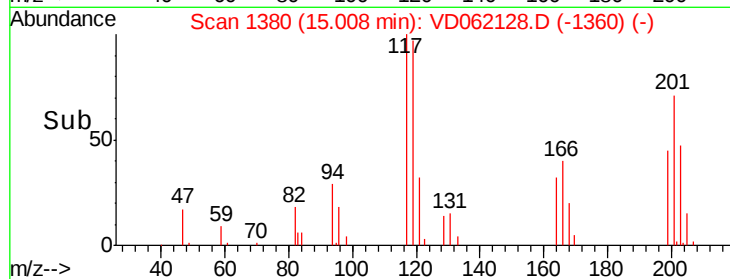
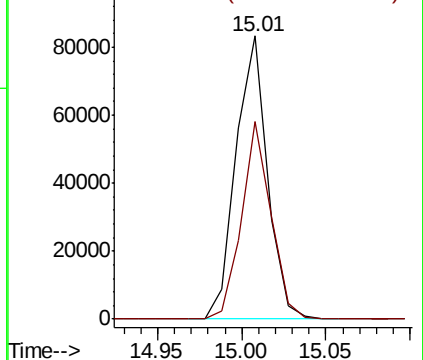
117 100

201 70.0 30.2 90.6



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#91

1,2-Dichlorobenzene

Concen: 20.699 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

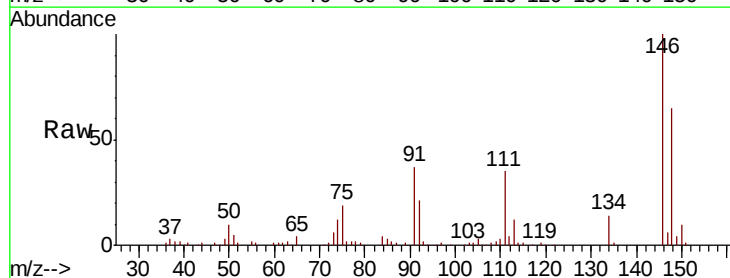
Tgt Ion:146 Resp: 188079

Ion Ratio Lower Upper

146 100

111 35.0 20.0 59.9

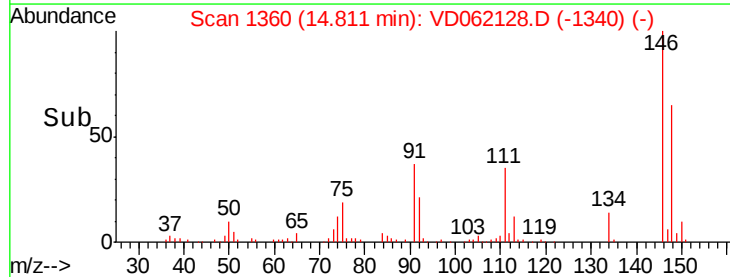
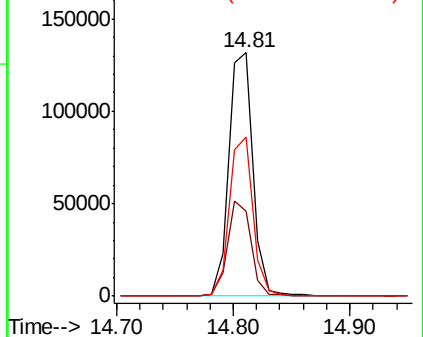
148 65.2 32.3 96.8

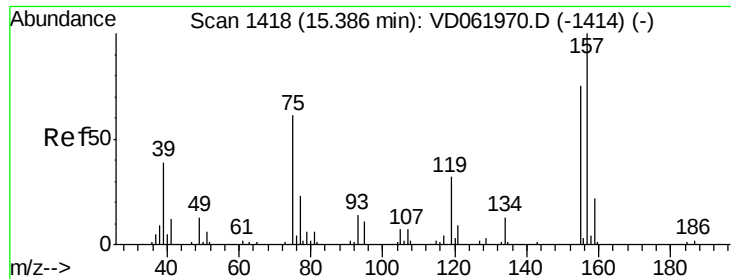


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

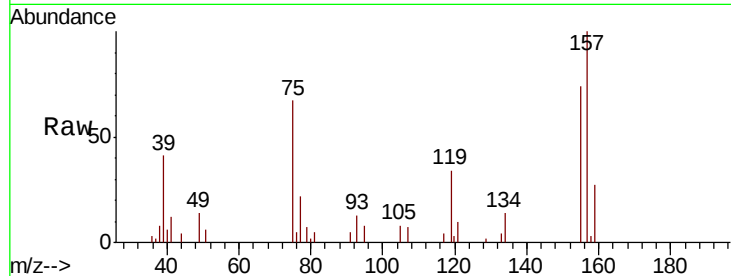




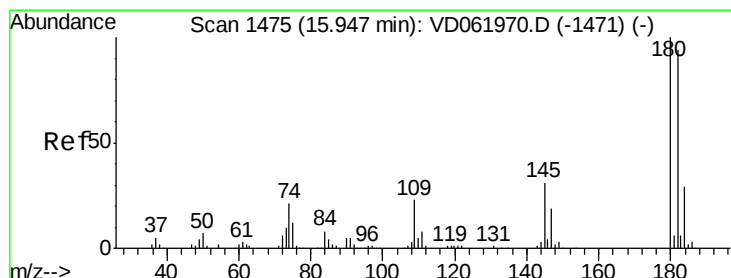
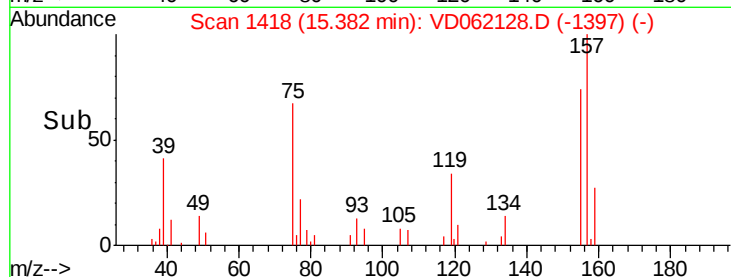
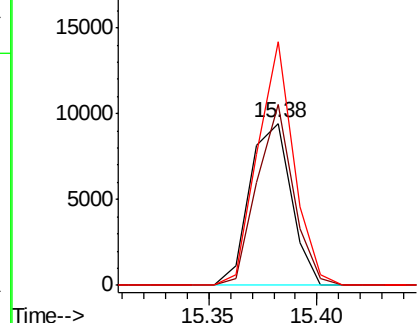
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.353 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0506SBS01

Tot Ion: 75 Resp: 12543
 Ion Ratio Lower Upper
 75 100
 155 111.4 55.3 165.8
 157 150.2 67.8 203.2

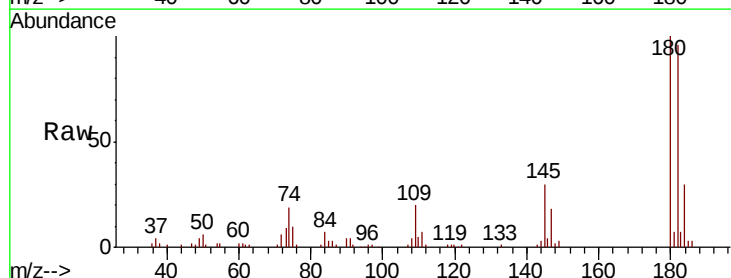


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

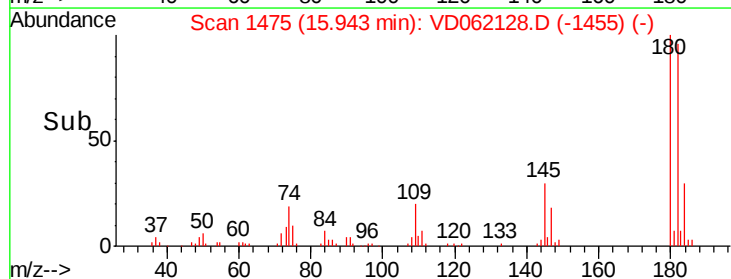
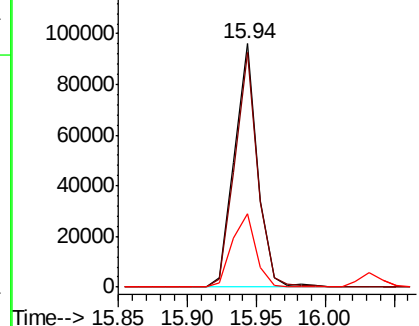


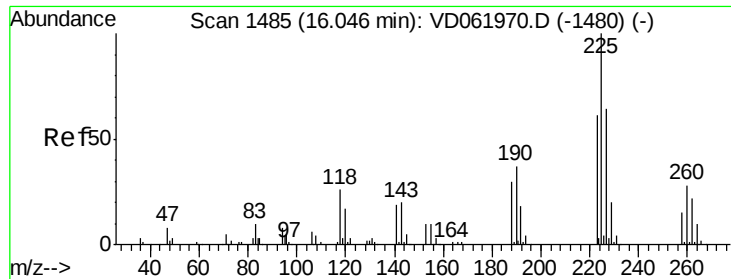
#93
 1,2,4-Trichlorobenzene
 Concen: 22.699 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062128.D
 Acq: 6 May 2019 13:59

Tgt Ion:180 Resp: 111286
 Ion Ratio Lower Upper
 180 100
 182 96.5 49.3 147.8
 145 30.4 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: 22.383 ug/l

RT: 16.03 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

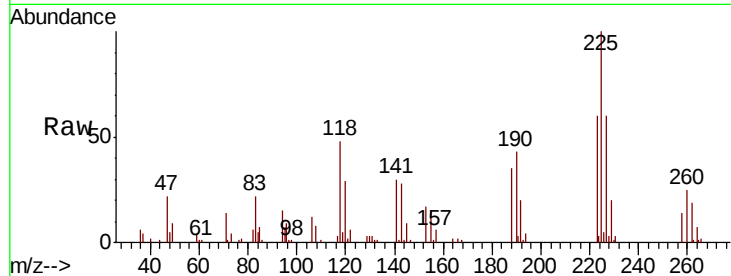
Tot Ion:225 Resp: 81208

Ion Ratio Lower Upper

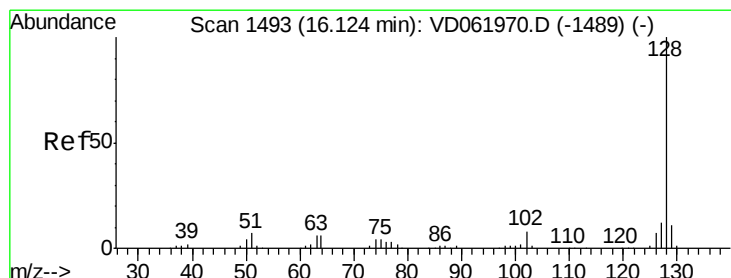
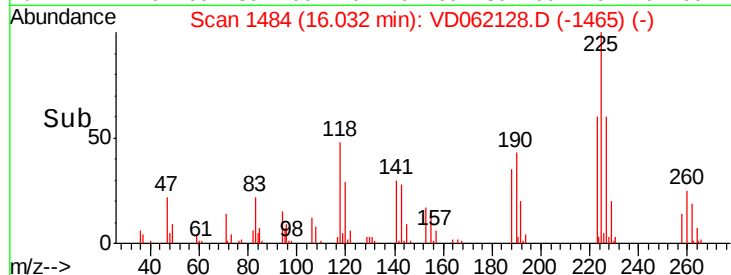
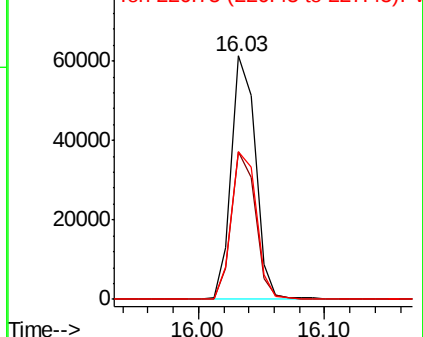
225 100

223 60.4 30.6 92.0

227 60.5 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: 23.653 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

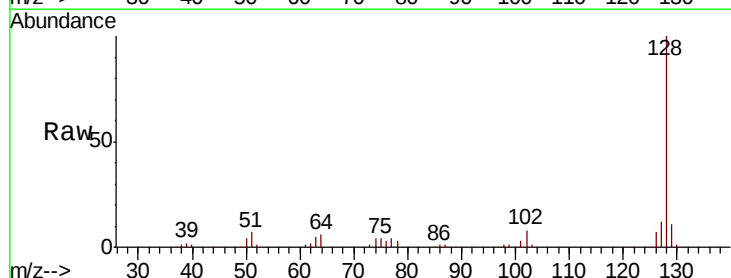
Tgt Ion:128 Resp: 187236

Ion Ratio Lower Upper

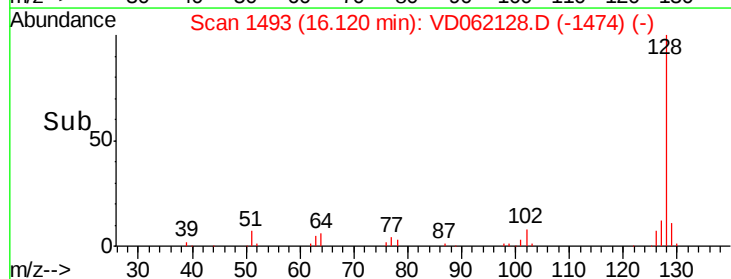
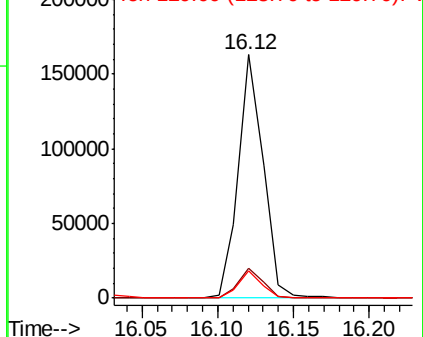
128 100

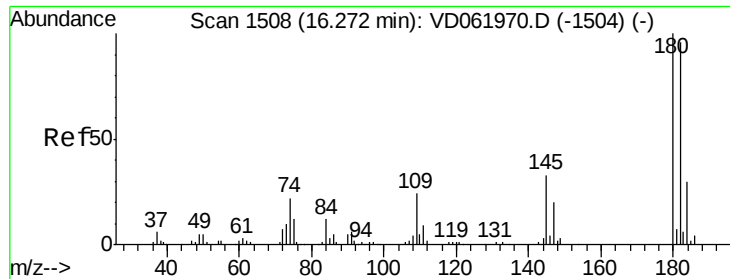
127 12.3 9.8 14.8

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: 27.040 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VD062128.D

Acq: 6 May 2019 13:59

Instrument :

MSVOA_D

ClientSampleId :

VD0506SBS01

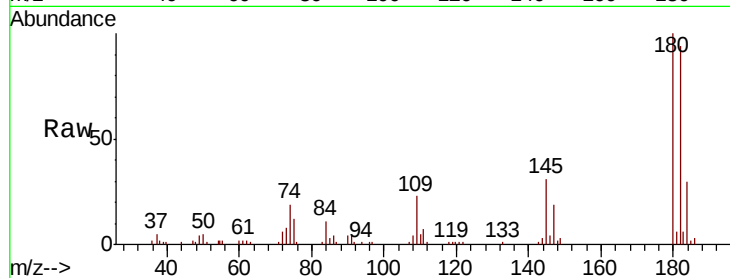
Tot Ion:180 Resp: 75218

Ion Ratio Lower Upper

180 100

182 94.2 47.0 141.0

145 31.0 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

