

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061957.D
 Acq On : 23 Apr 2019 1:13
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 23 09:10:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	501780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	863801	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	721323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	347003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	250918	59.67	ug/l	0.00
Spiked Amount			Recovery	=	119.34%	
35) Dibromofluoromethane	6.92	113	341135	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.41	98	745374	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	13.56	95	329452	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	246336	50.298	ug/l	99
3) Chloromethane	1.75	50	190416	48.786	ug/l	97
4) Vinyl Chloride	1.84	62	172045	44.414	ug/l	95
5) Bromomethane	2.15	94	58089	68.361	ug/l	98
6) Chloroethane	2.27	64	72231	54.660	ug/l	99
7) Trichlorofluoromethane	2.53	101	300730	47.868	ug/l	97
8) Diethyl Ether	2.87	74	71846	43.637	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	234363	41.837	ug/l	99
10) Methyl Iodide	3.31	142	431158	48.339	ug/l	97
11) Tert butyl alcohol	4.05	59	68448	275.998	ug/l	100
12) 1,1-Dichloroethene	3.12	96	195009	41.409	ug/l	98
13) Acrolein	3.04	56	60773	253.129	ug/l	98
14) Allyl chloride	3.62	41	290912	45.320	ug/l	97
15) Acrylonitrile	4.19	53	210895	270.873	ug/l	96
16) Acetone	3.21	43	227065	219.075	ug/l	94
17) Carbon Disulfide	3.37	76	607815	39.946	ug/l	98
18) Methyl Acetate	3.64	43	100766	48.506	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	503664	57.309	ug/l	96
20) Methylene Chloride	3.81	84	252973	49.012	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	265657	51.330	ug/l	99
22) Diisopropyl ether	5.11	45	787179	57.369	ug/l	96
23) Vinyl Acetate	5.05	43	2163142	294.910	ug/l	100
24) 1,1-Dichloroethane	4.98	63	468117	56.269	ug/l	99
25) 2-Butanone	6.07	43	329116	278.914	ug/l	95
26) 2,2-Dichloropropane	6.03	77	355347	49.418	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	292660	52.164	ug/l	99
28) Bromochloromethane	6.44	49	186598	59.051	ug/l	98
29) Tetrahydrofuran	6.45	42	177882	309.472	ug/l	99
30) Chloroform	6.67	83	548673	59.130	ug/l	97
31) Cyclohexane	6.95	56	312865	49.126	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	451057	54.837	ug/l	98
36) 1,1-Dichloropropene	7.15	75	368760	52.242	ug/l	97
37) Ethyl Acetate	6.18	43	166271	55.038	ug/l #	93
38) Carbon Tetrachloride	7.11	117	498801	55.963	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	353268	48.195	ug/l	98
40) Benzene	7.46	78	935307	55.192	ug/l	98
41) Methacrylonitrile	6.44	41	206046	57.704	ug/l	95
42) 1,2-Dichloroethane	7.57	62	325819	55.205	ug/l	95
43) Isopropyl Acetate	9.24	43	232860	54.774	ug/l	99
44) Trichloroethene	8.54	130	360265	55.224	ug/l	99
45) 1,2-Dichloropropane	8.94	63	233621	52.926	ug/l	100
46) Dibromomethane	9.06	93	178341	56.702	ug/l	96
47) Bromodichloromethane	9.38	83	392666	54.116	ug/l	97
48) Methyl methacrylate	9.12	41	132300	52.941	ug/l	98
49) 1,4-Dioxane	9.08	88	29448	1078.120	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	769770	296.084	ug/l	99
52) Toluene	10.51	92	578833	53.301	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	348396	53.286	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	411626	53.634	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	199587	54.542	ug/l	99
56) Ethyl methacrylate	11.04	69	215823	53.738	ug/l	98
57) 1,3-Dichloropropane	11.41	76	303849	55.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	520211	272.320	ug/l	100
59) 2-Hexanone	11.53	43	500866	259.387	ug/l	97
60) Dibromochloromethane	11.69	129	327613	54.716	ug/l	99
61) 1,2-Dibromoethane	11.81	107	257462	57.220	ug/l	97
64) Tetrachloroethene	11.27	164	267086	49.372	ug/l	98
65) Chlorobenzene	12.40	112	730429	54.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	300371	53.356	ug/l	97
67) Ethyl Benzene	12.53	91	1086247	50.493	ug/l	99
68) m/p-Xylenes	12.67	106	820496	101.535	ug/l	99
69) o-Xylene	13.05	106	372948	49.102	ug/l	96
70) Styrene	13.08	104	637053	48.740	ug/l	97
71) Bromoform	13.23	173	184439	55.195	ug/l	99
73) Isopropylbenzene	13.40	105	990923	44.033	ug/l	99
74) N-amyl acetate	13.26	43	281675	46.546	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	236207	53.100	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	239001	52.446	ug/l	98
77) Bromobenzene	13.68	156	321129	50.234	ug/l	98
78) n-propylbenzene	13.78	91	1307673	50.294	ug/l	99
79) 2-Chlorotoluene	13.84	91	747078	49.186	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	869204	48.678	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	71401	48.450	ug/l	90
82) 4-Chlorotoluene	13.95	91	833607	47.949	ug/l	97
83) tert-Butylbenzene	14.19	119	1072078	51.133	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	821625	45.775	ug/l	97
85) sec-Butylbenzene	14.37	105	1084667	50.043	ug/l	98
86) p-Isopropyltoluene	14.49	119	968188	47.742	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	549185	49.210	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	537368	48.711	ug/l	95
89) n-Butylbenzene	14.80	91	919545	51.225	ug/l	98
90) Hexachloroethane	15.01	117	294350	53.252	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	485640	51.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32540	51.607	ug/l	83

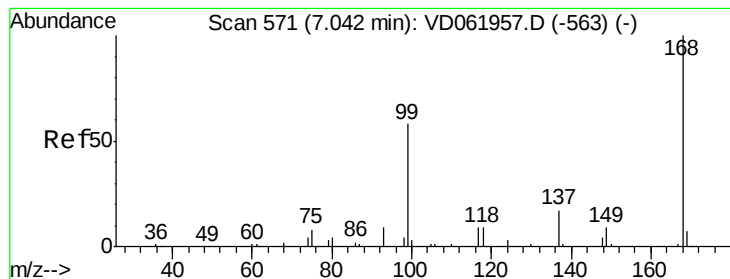
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248746	48.448	ug/l	92
94) Hexachlorobutadiene	16.04	225	183956	49.440	ug/l	99
95) Naphthalene	16.13	128	423411	53.804	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	145947	49.882	ug/l	96

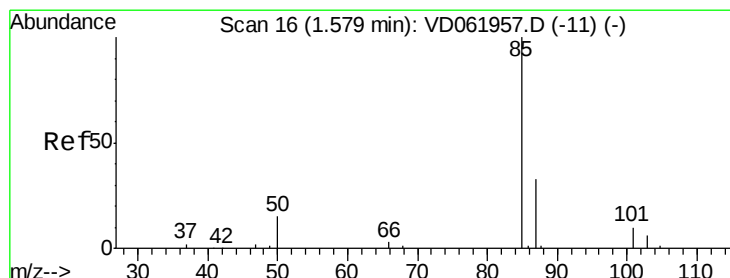
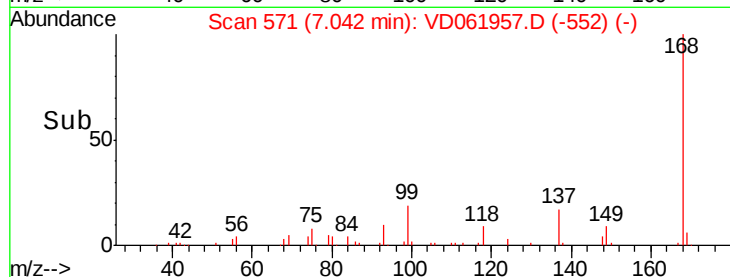
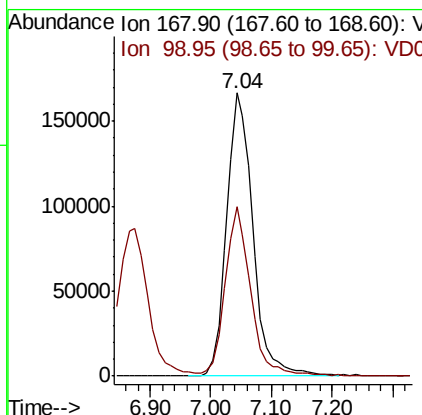
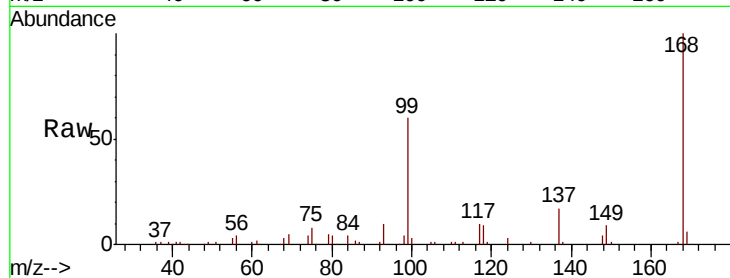
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.01 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

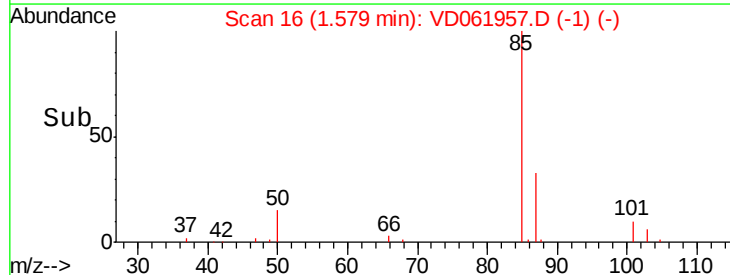
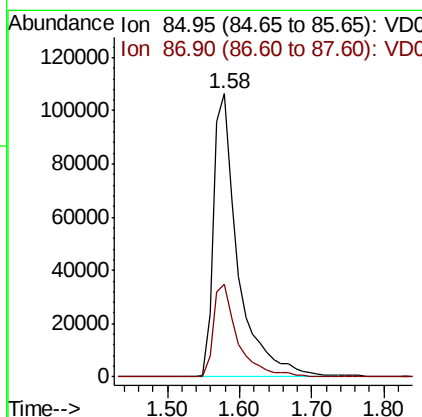
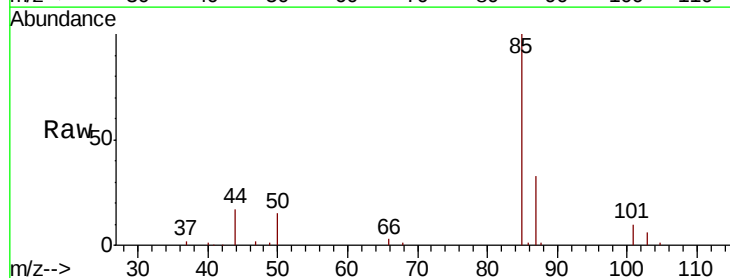
Instrument :
MSVOA_D
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VSTDICCC050

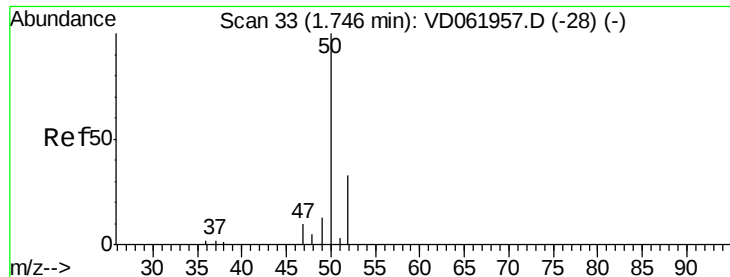
Tot Ion:168 Resp: 501780
Ion Ratio Lower Upper
168 100
99 59.8 46.5 69.7



#2
Dichlorodifluoromethane
Concen: 50.298 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 85 Resp: 246336
Ion Ratio Lower Upper
85 100
87 32.9 16.2 48.6





#3

Chloromethane

Concen: 48.786 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

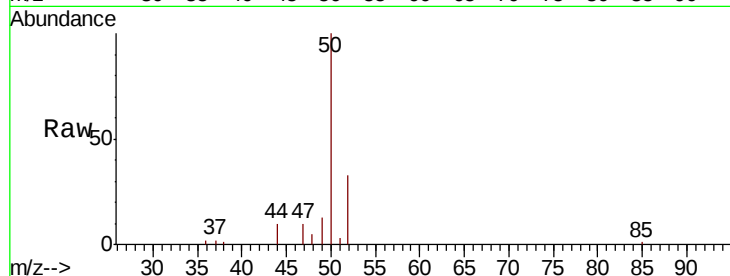
VSTDICCC050

Tot Ion: 50 Resp: 190416

Ion Ratio Lower Upper

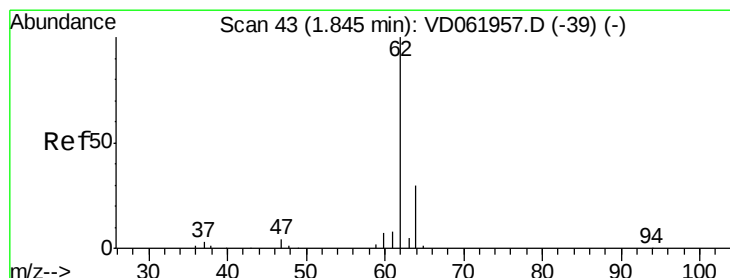
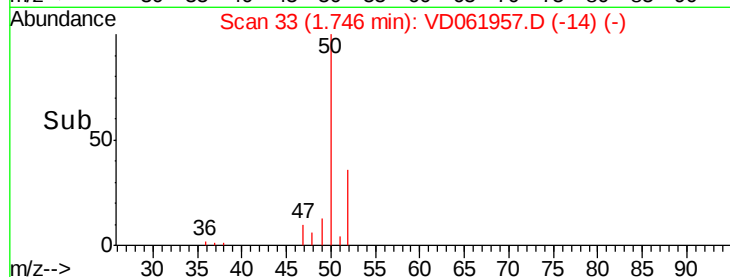
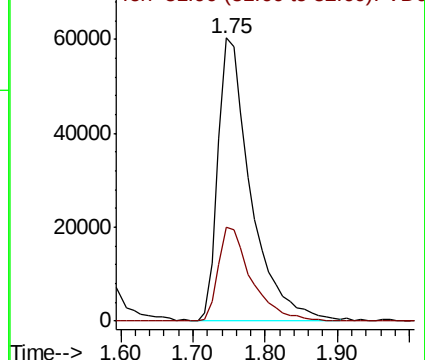
50 100

52 33.1 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: 44.414 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061957.D

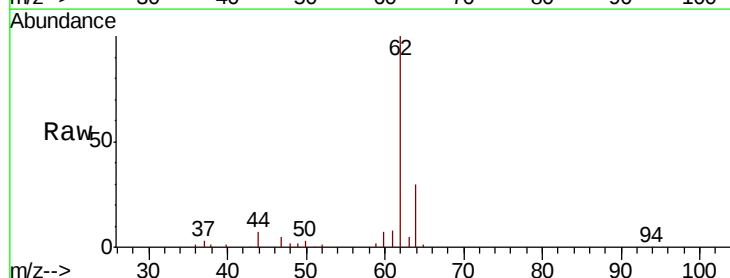
Acq: 23 Apr 2019 1:13

Tgt Ion: 62 Resp: 172045

Ion Ratio Lower Upper

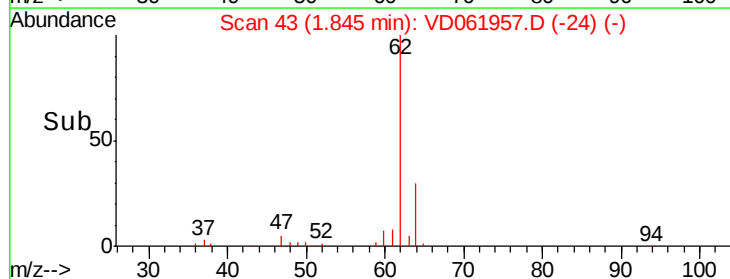
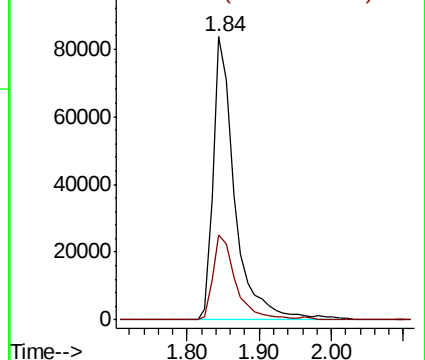
62 100

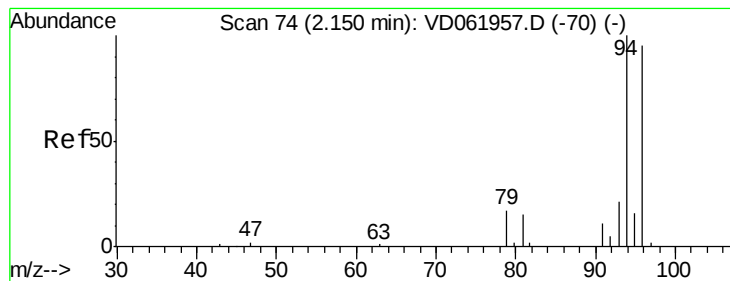
64 30.2 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 68.361 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

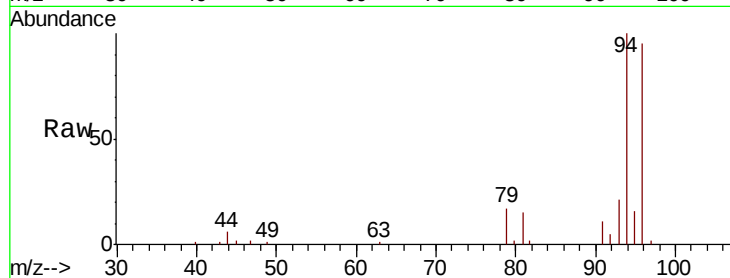
Tot Ion: 94 Resp: 58089

Ion Ratio Lower Upper

94 100

96 94.6 76.6 115.0

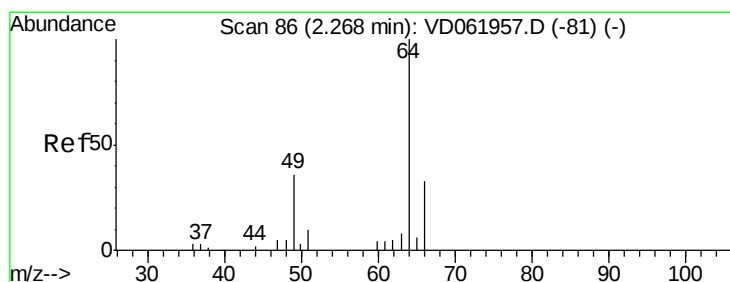
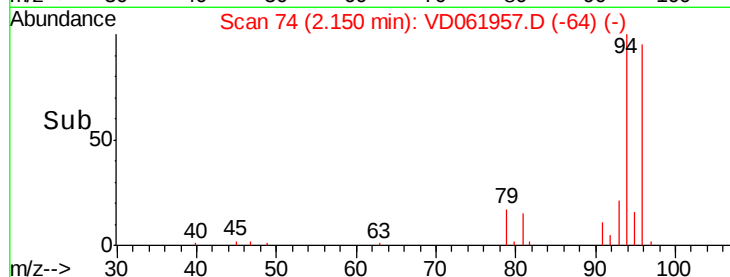
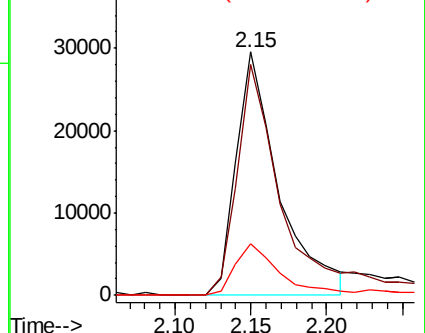
93 20.9 18.5 27.7



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: 54.660 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061957.D

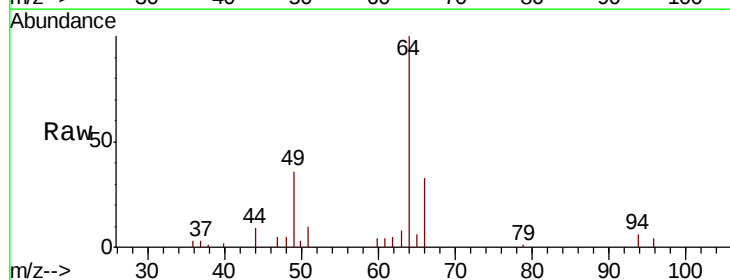
Acq: 23 Apr 2019 1:13

Tgt Ion: 64 Resp: 72231

Ion Ratio Lower Upper

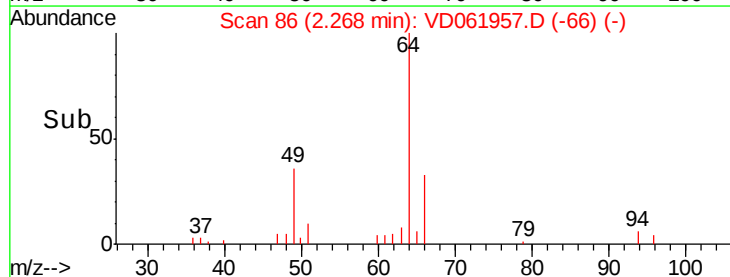
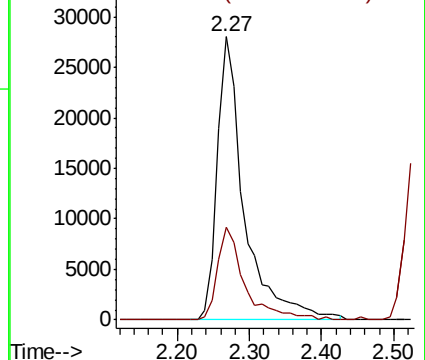
64 100

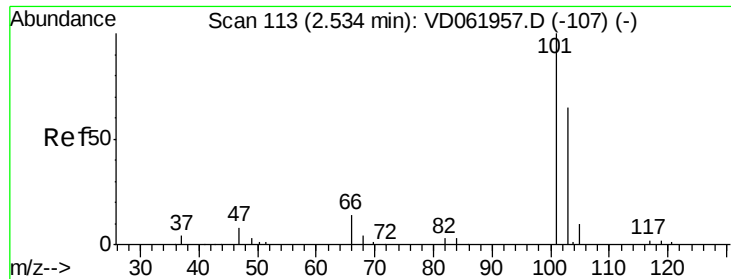
66 32.7 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



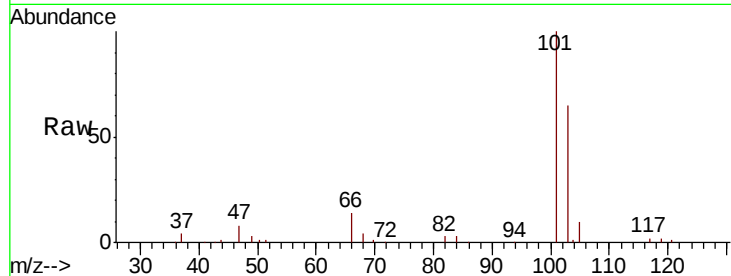


#7

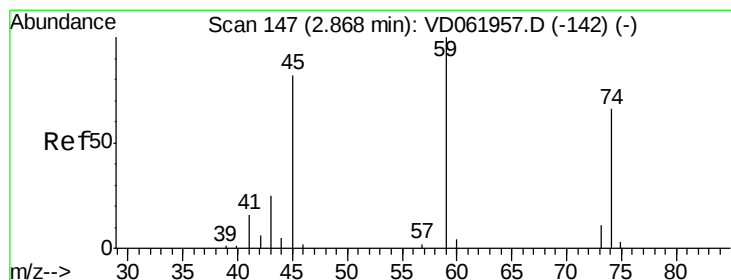
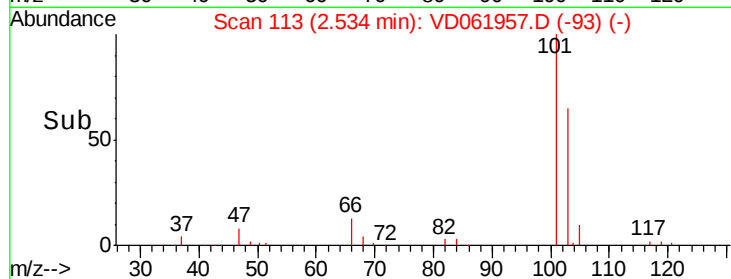
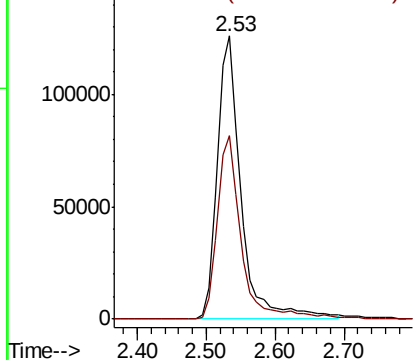
Trichlorofluoromethane
 Concen: 47.868 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD061957.D
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Tot Ion:101 Resp: 300730
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.6 80.4



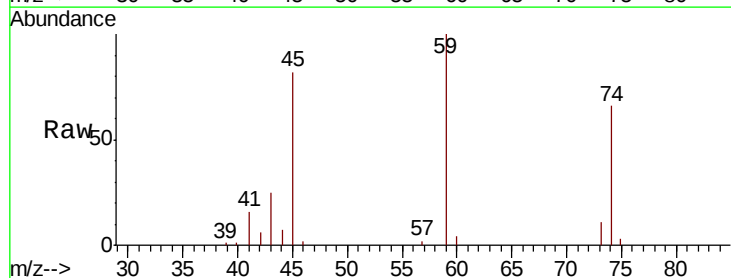
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



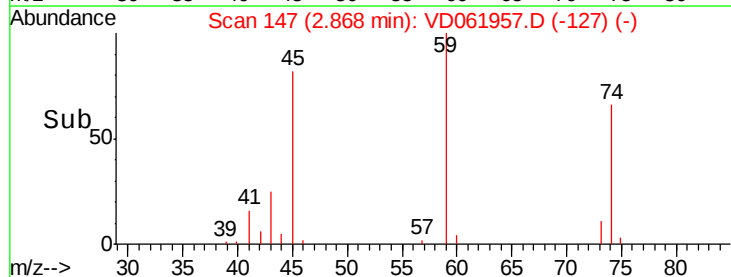
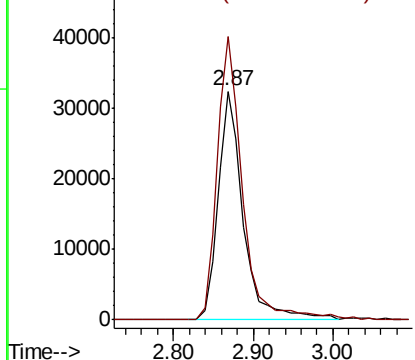
#8

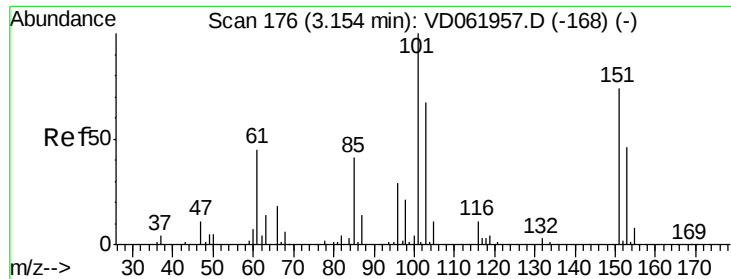
Diethyl Ether
 Concen: 43.637 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 74 Resp: 71846
 Ion Ratio Lower Upper
 74 100
 45 123.9 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: 41.837 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

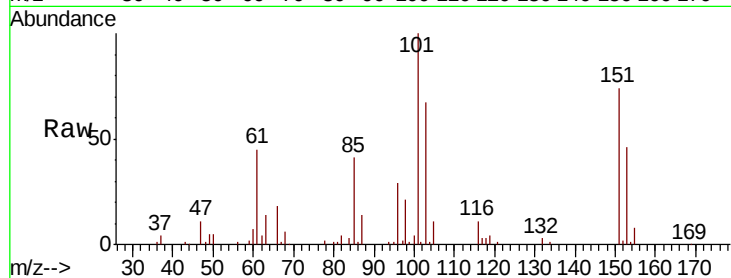
Tot Ion:101 Resp: 234363

Ion Ratio Lower Upper

101 100

85 41.0 32.4 48.6

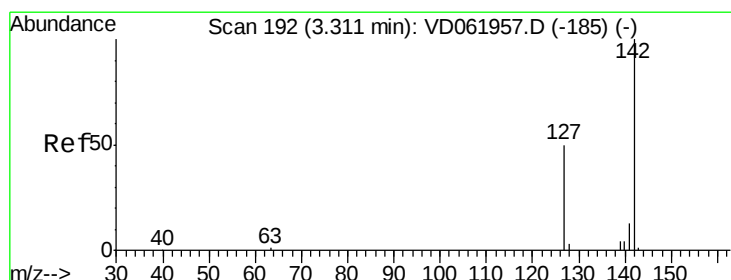
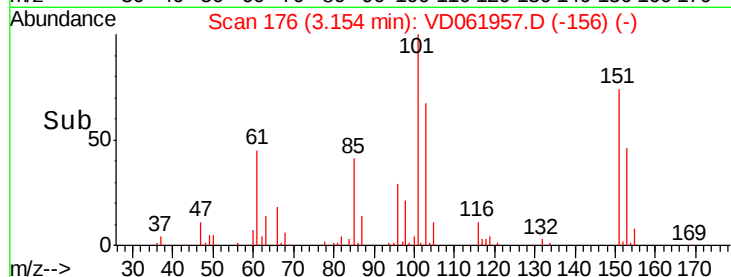
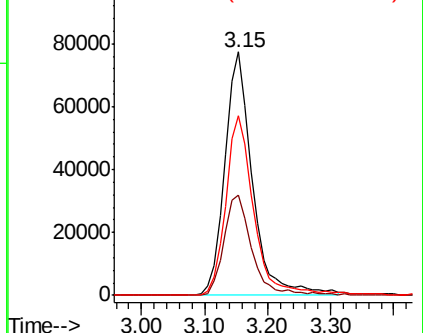
151 73.9 59.4 89.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 48.339 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

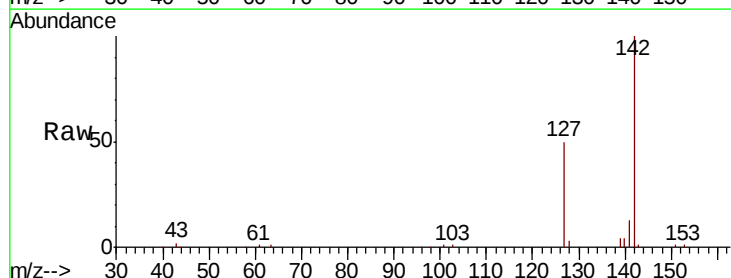
Tgt Ion:142 Resp: 431158

Ion Ratio Lower Upper

142 100

127 50.4 38.8 58.2

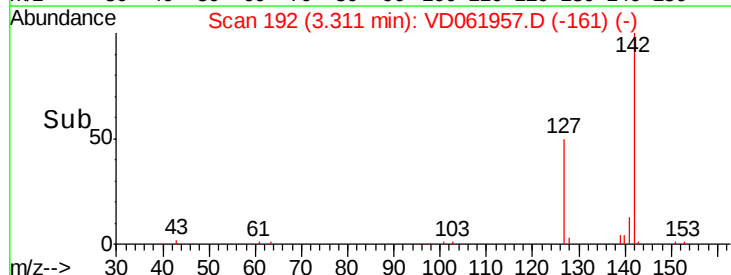
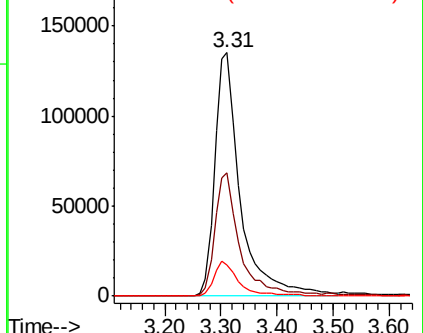
141 12.9 11.4 17.0

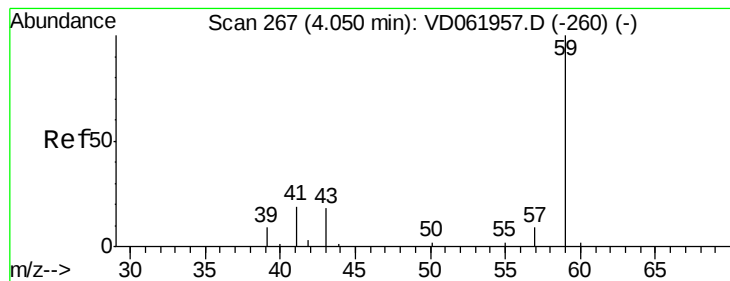


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



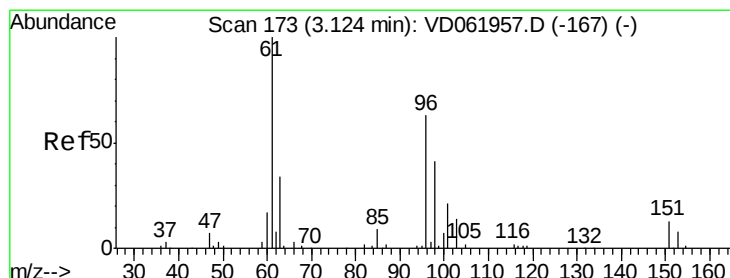
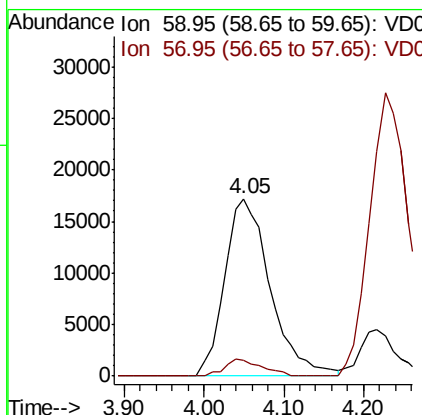
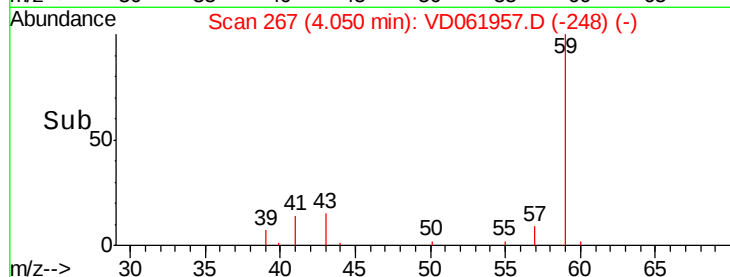
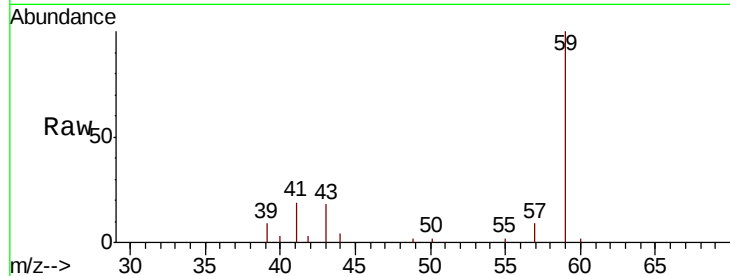


#11

Tert butyl alcohol
 Concen: 275.998 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.01 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

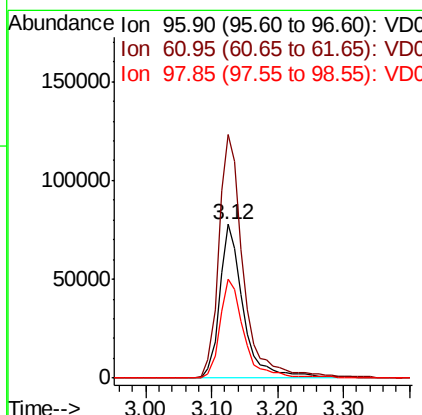
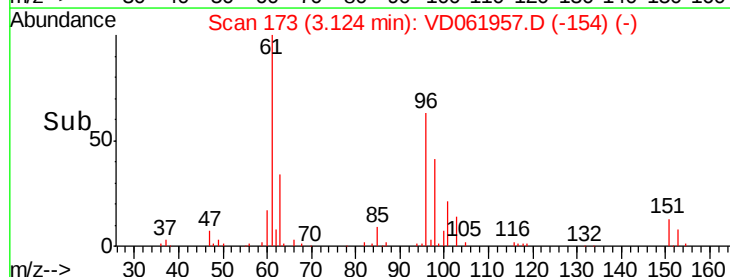
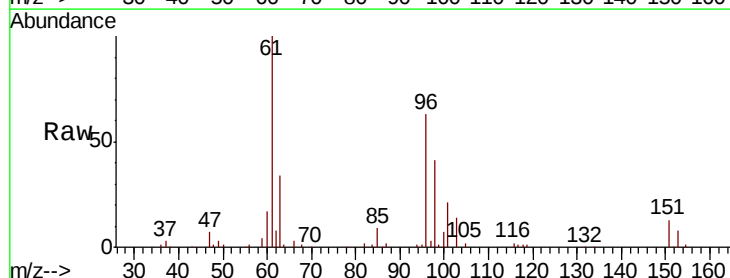
Tot Ion: 59 Resp: 68448
 Ion Ratio Lower Upper
 59 100
 57 8.8 6.9 10.3

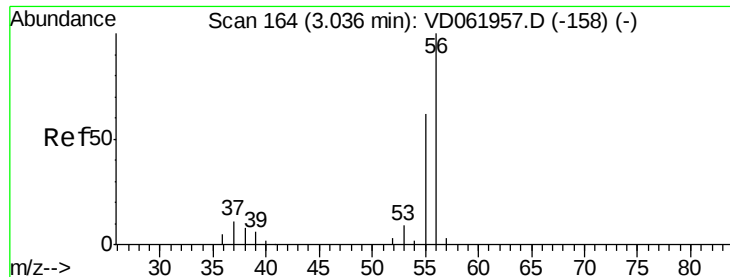


#12

1,1-Dichloroethene
 Concen: 41.409 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 96 Resp: 195009
 Ion Ratio Lower Upper
 96 100
 61 158.4 129.8 194.8
 98 64.4 51.2 76.8

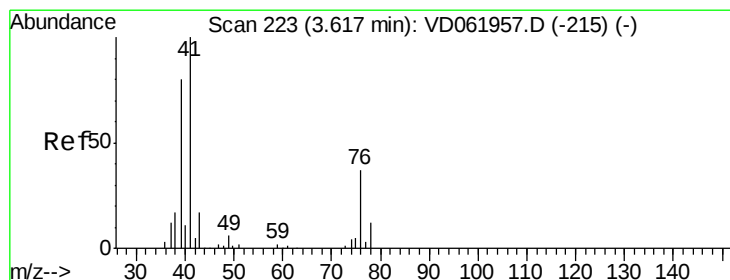
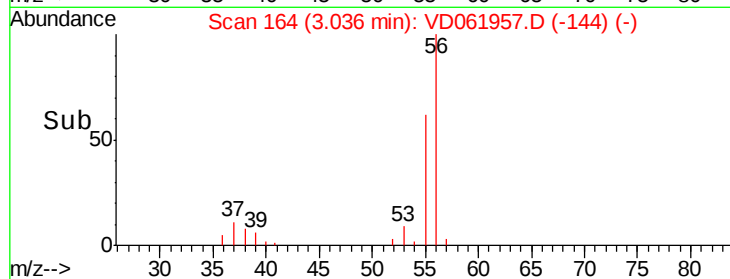
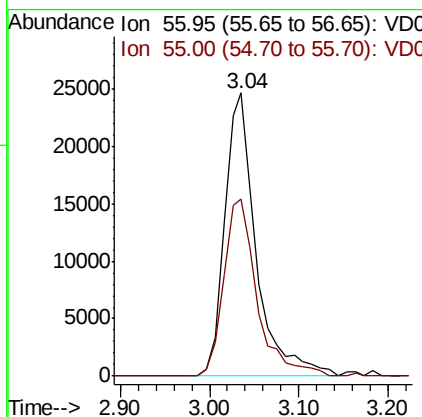
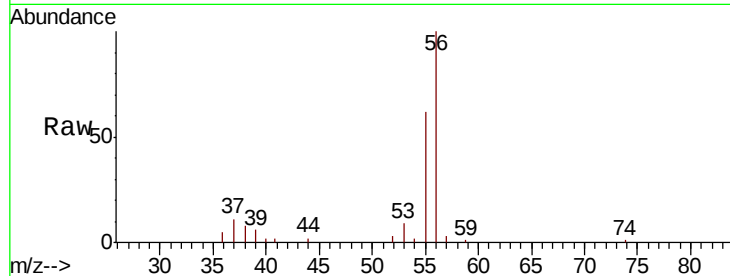




#13
 Acrolein
 Concen: 253.129 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

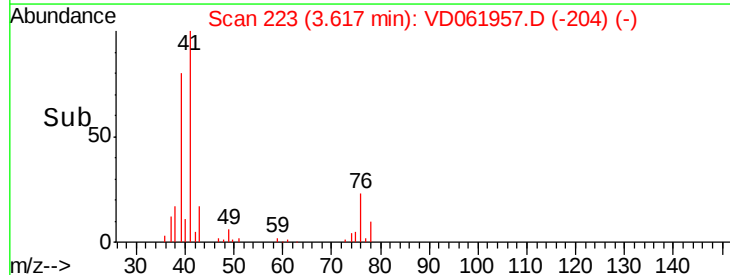
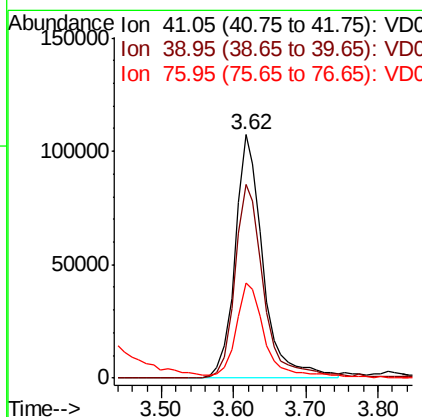
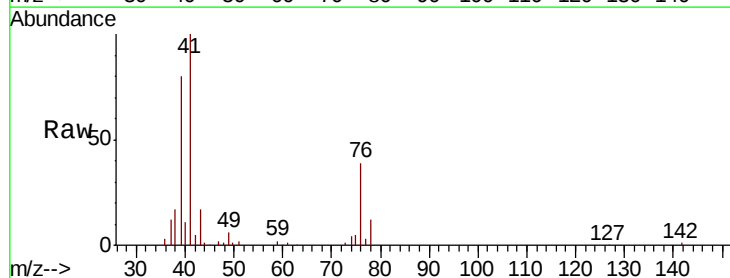
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

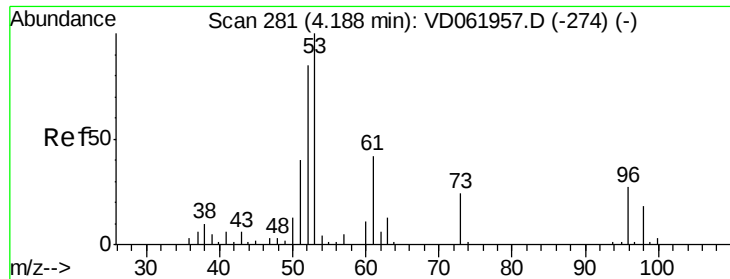
Tot Ion: 56 Resp: 60773
 Ion Ratio Lower Upper
 56 100
 55 62.4 51.4 77.2



#14
 Allyl chloride
 Concen: 45.320 ug/l
 RT: 3.62 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 41 Resp: 290912
 Ion Ratio Lower Upper
 41 100
 39 79.5 60.5 90.7
 76 39.3 31.8 47.8





#15

Acrylonitrile

Concen: 270.873 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

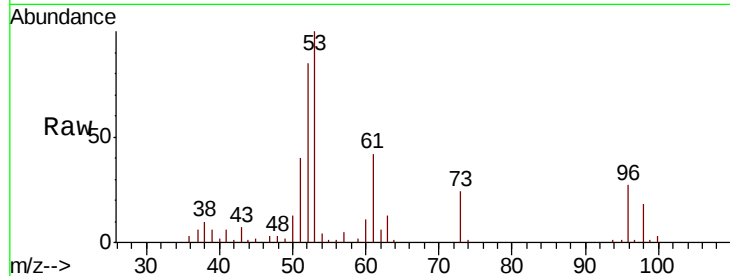
Tot Ion: 53 Resp: 210895

Ion Ratio Lower Upper

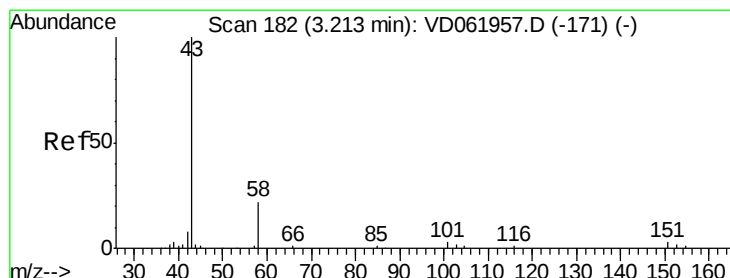
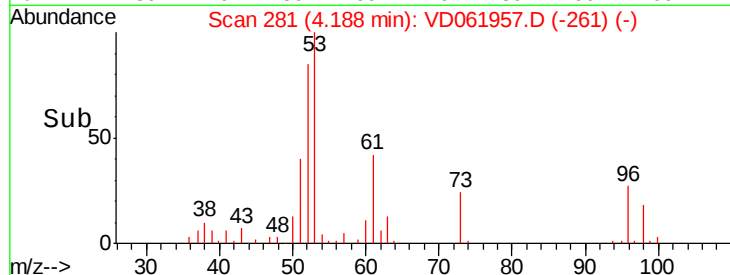
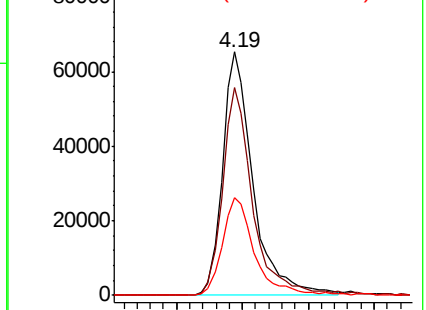
53 100

52 85.3 65.0 97.4

51 39.9 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: 219.075 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD061957.D

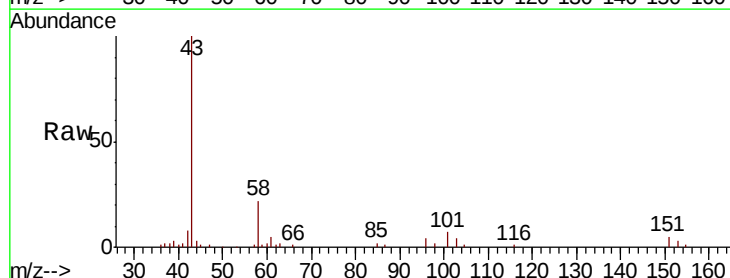
Acq: 23 Apr 2019 1:13

Tgt Ion: 43 Resp: 227065

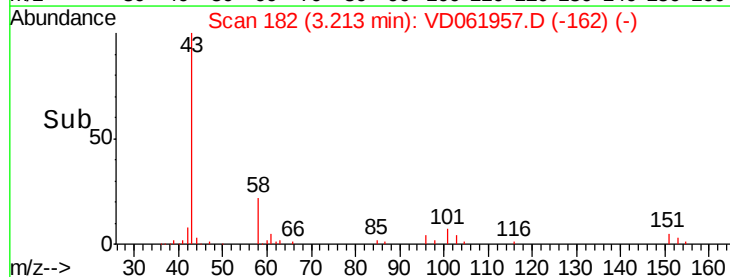
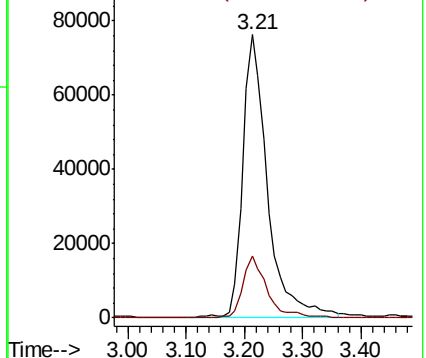
Ion Ratio Lower Upper

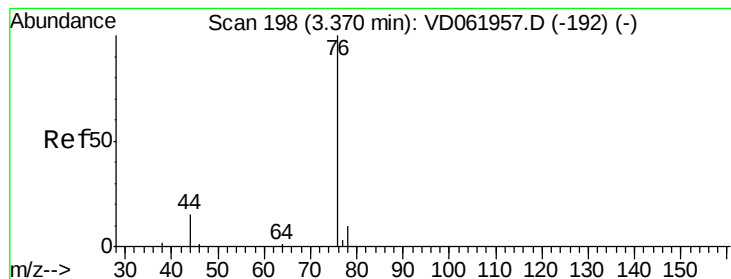
43 100

58 21.9 19.9 29.9



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





#17

Carbon Disulfide

Concen: 39.946 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

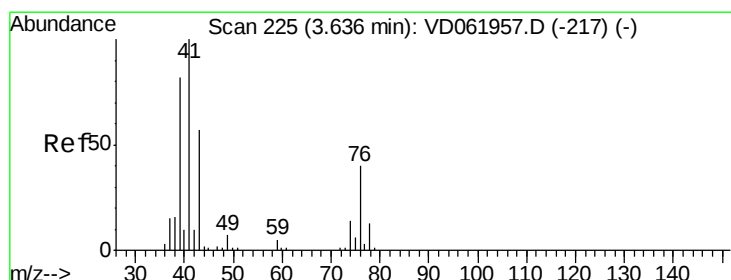
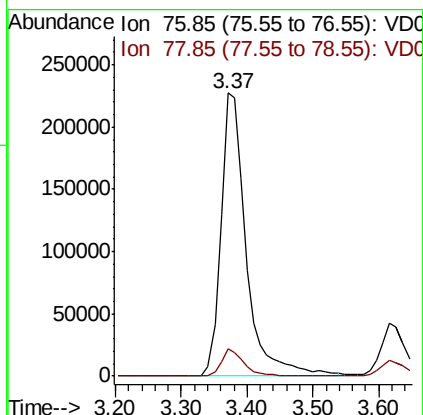
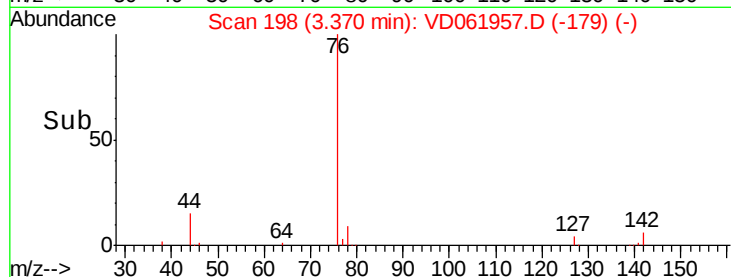
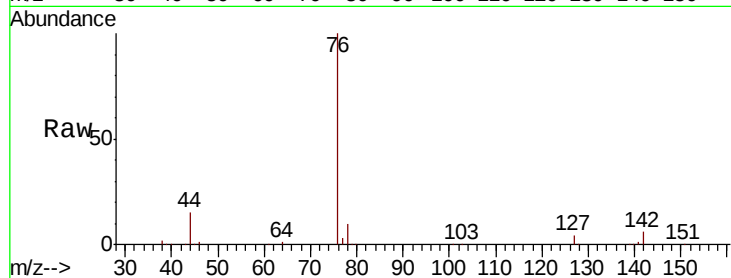
VSTDICCC050

Tot Ion: 76 Resp: 607815

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8



#18

Methyl Acetate

Concen: 48.506 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD061957.D

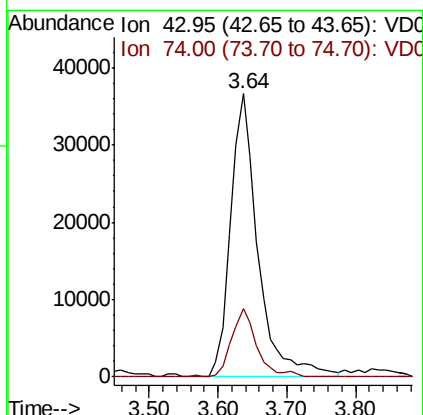
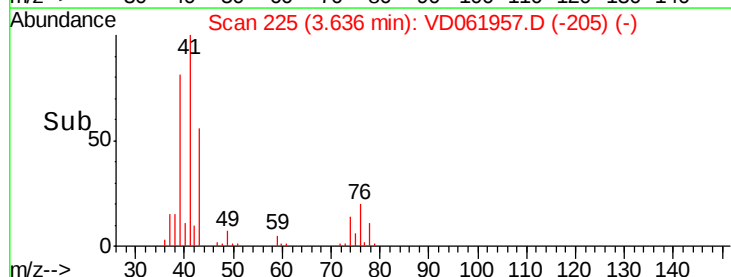
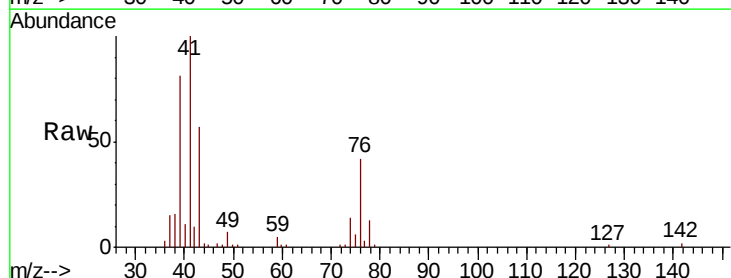
Acq: 23 Apr 2019 1:13

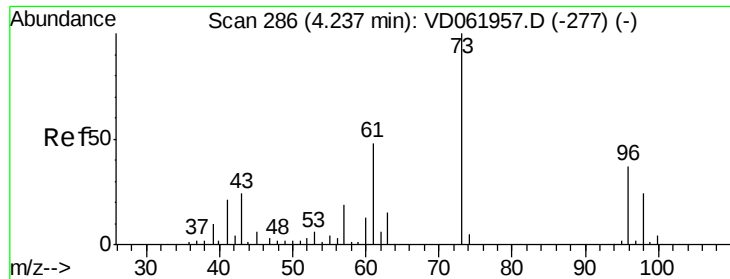
Tgt Ion: 43 Resp: 100766

Ion Ratio Lower Upper

43 100

74 24.3 18.0 27.0

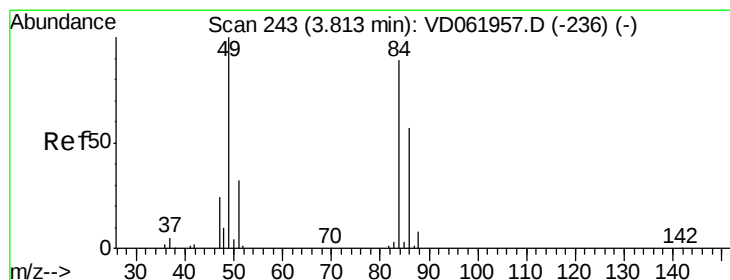
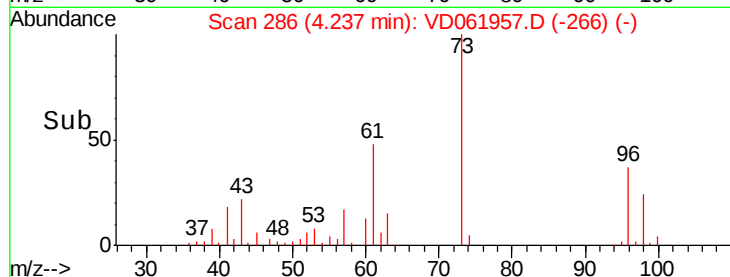
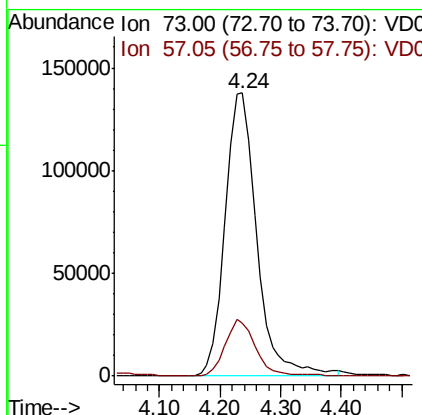
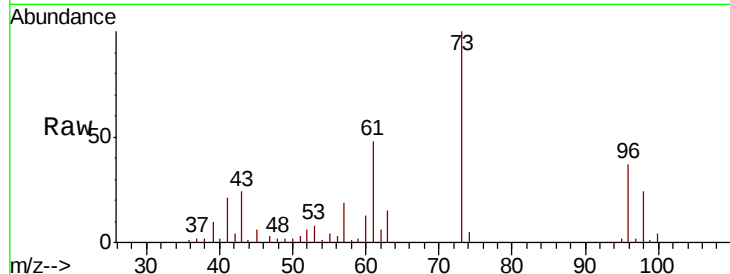




#19
Methvl tert-butvl Ether
Concen: 57.309 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

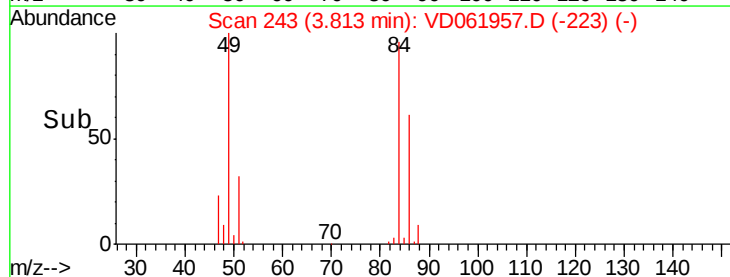
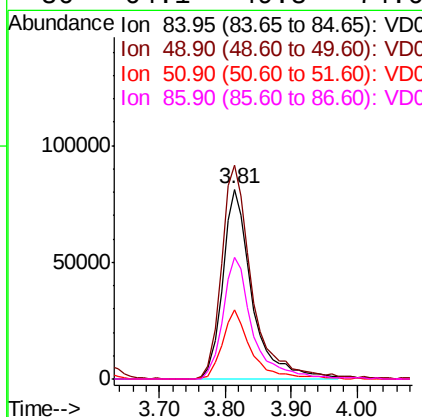
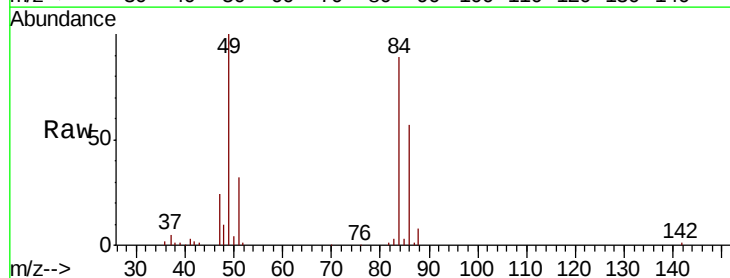
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

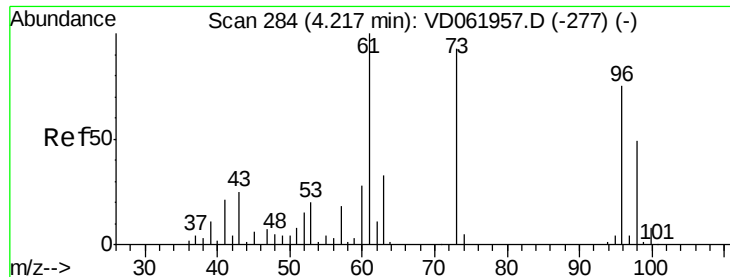
Tot Ion: 73 Resp: 503664
Ion Ratio Lower Upper
73 100
57 18.5 16.3 24.5



#20
Methylene Chloride
Concen: 49.012 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 84 Resp: 252973
Ion Ratio Lower Upper
84 100
49 112.7 94.0 141.0
51 36.2 29.0 43.4
86 64.1 49.8 74.6

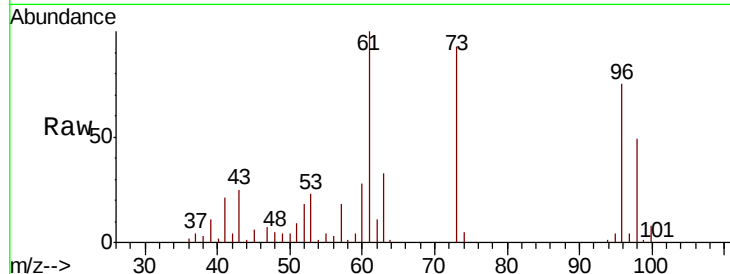




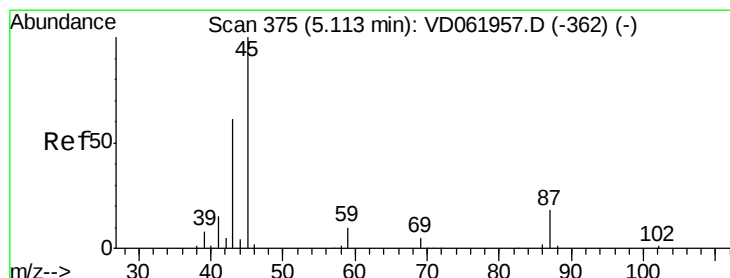
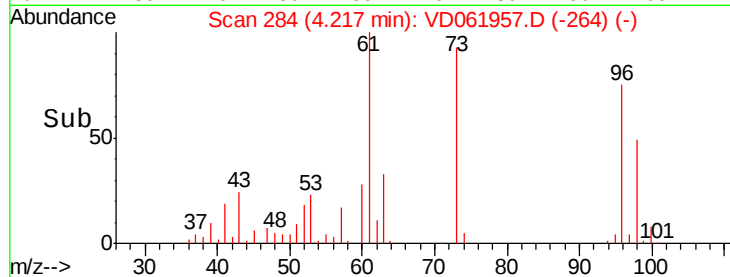
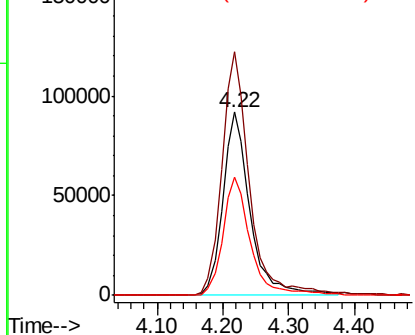
#21
trans-1,2-Dichloroethene
Concen: 51.330 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 265657
Ion Ratio Lower Upper
96 100
61 133.1 104.4 156.6
98 64.9 51.8 77.8

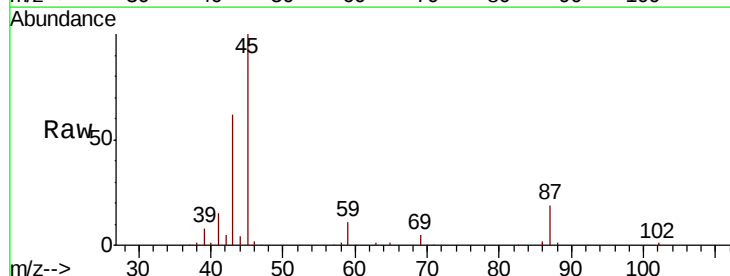


Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

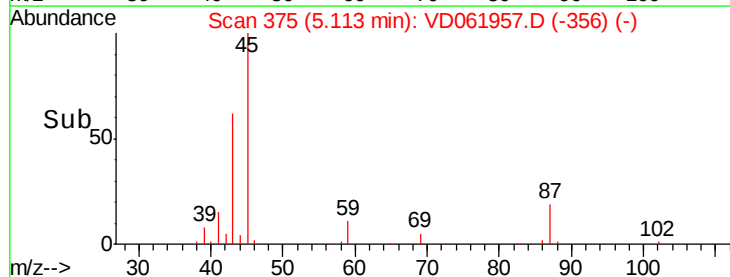
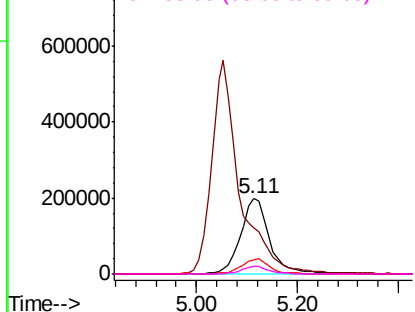


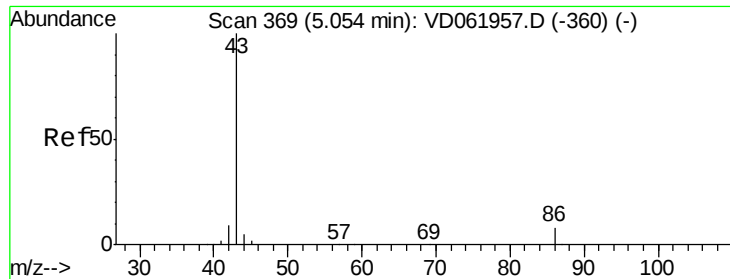
#22
Diisopropyl ether
Concen: 57.369 ug/l
RT: 5.11 min Scan# 375
Delta R.T. -0.01 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 45 Resp: 787179
Ion Ratio Lower Upper
45 100
43 61.5 46.2 69.2
87 19.2 15.9 23.9
59 10.5 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: 294.910 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

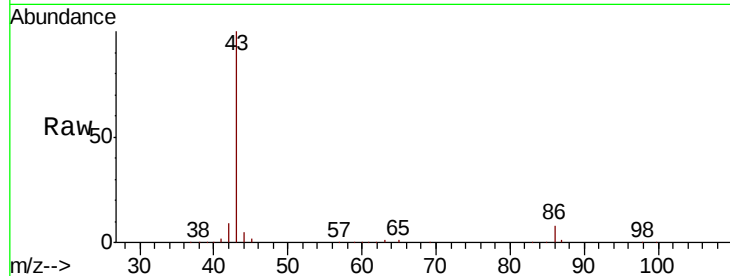
VSTDICCC050

Tot Ion: 43 Resp: 2163142

Ion Ratio Lower Upper

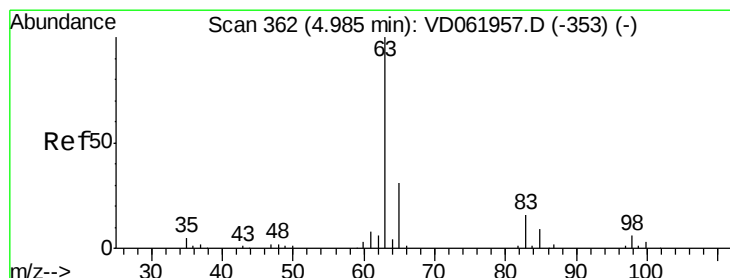
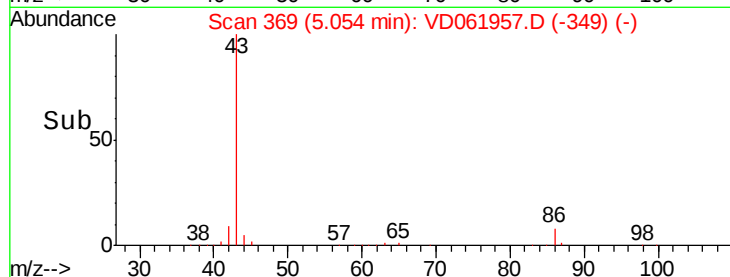
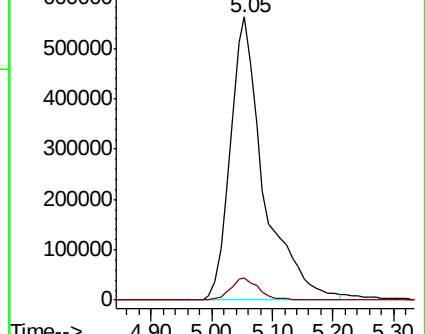
43 100

86 8.0 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 56.269 ug/l

RT: 4.98 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

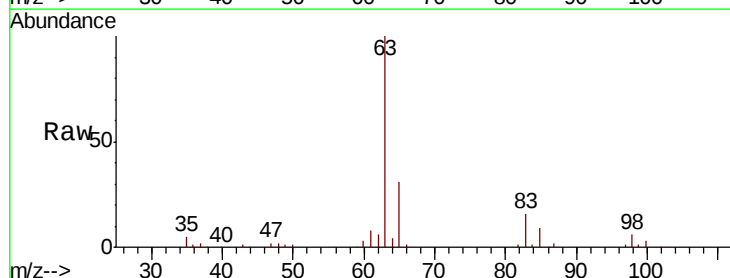
Tgt Ion: 63 Resp: 468117

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

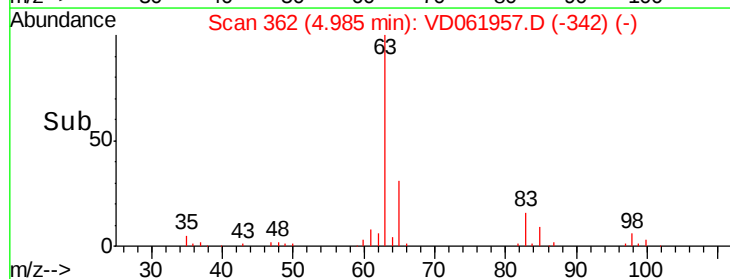
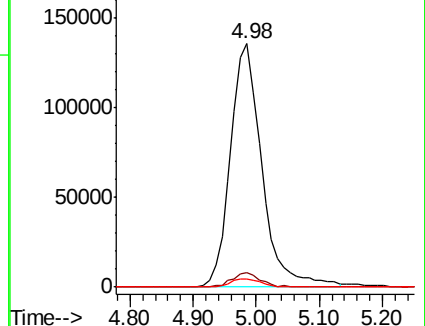
100 3.3 1.8 5.5

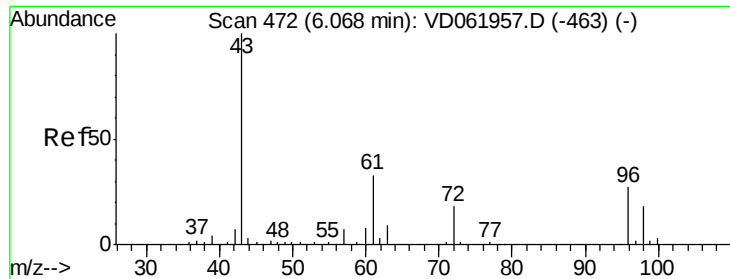


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 278.914 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

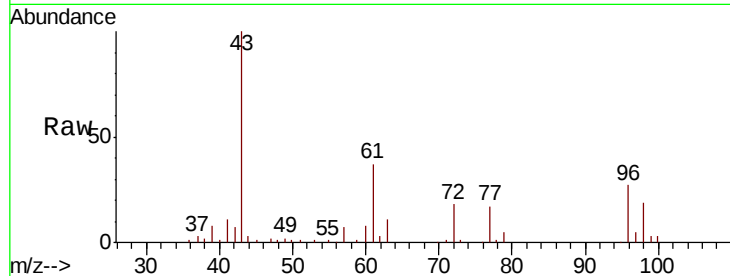
VSTDICCC050

Tot Ion: 43 Resp: 329116

Ion Ratio Lower Upper

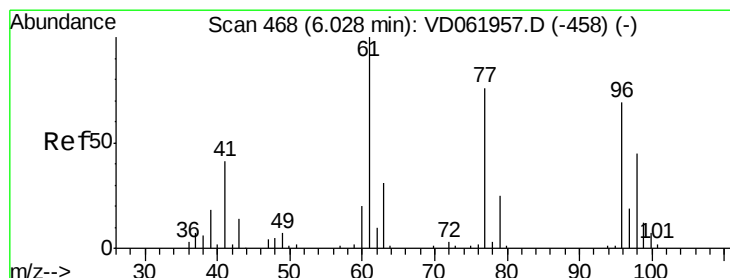
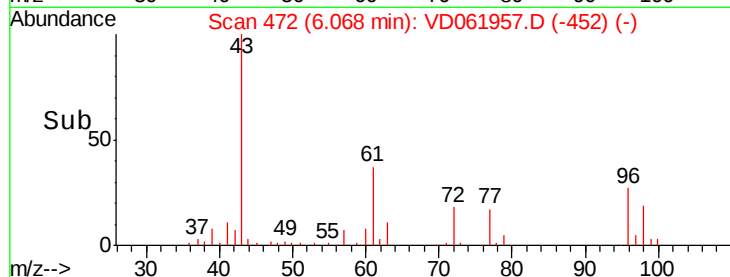
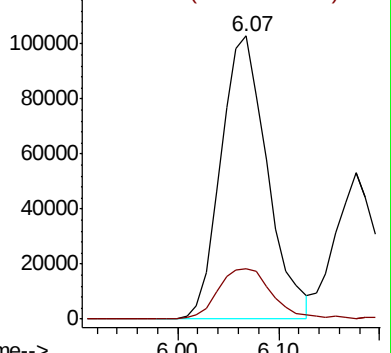
43 100

72 18.0 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: 49.418 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD061957.D

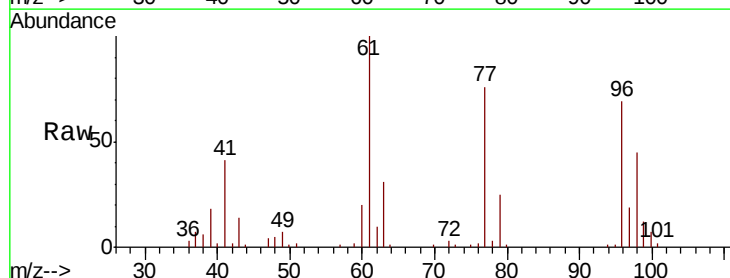
Acq: 23 Apr 2019 1:13

Tgt Ion: 77 Resp: 355347

Ion Ratio Lower Upper

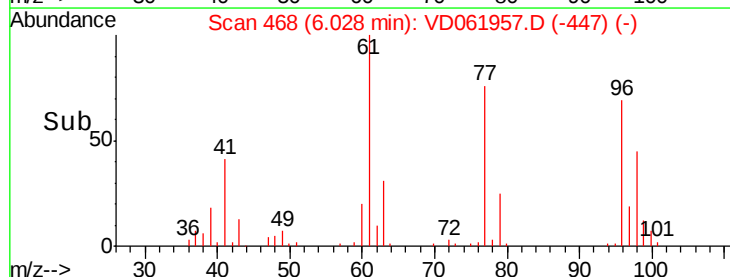
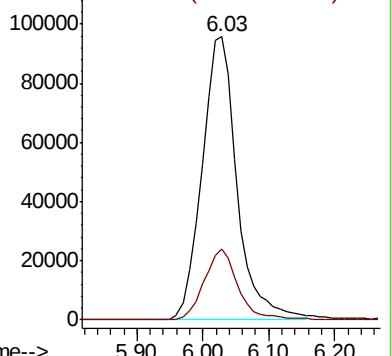
77 100

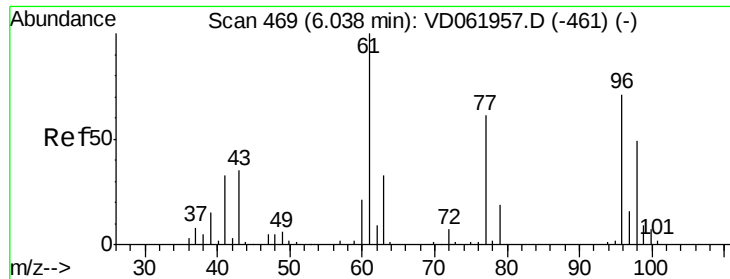
97 24.8 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



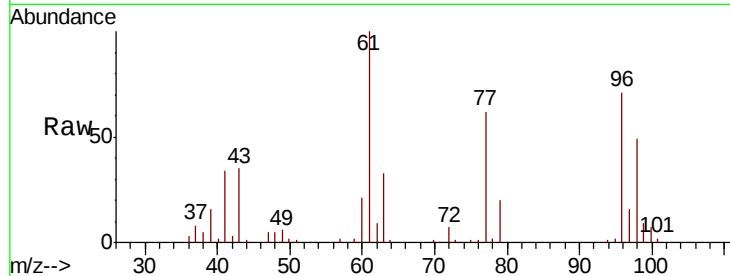


#27

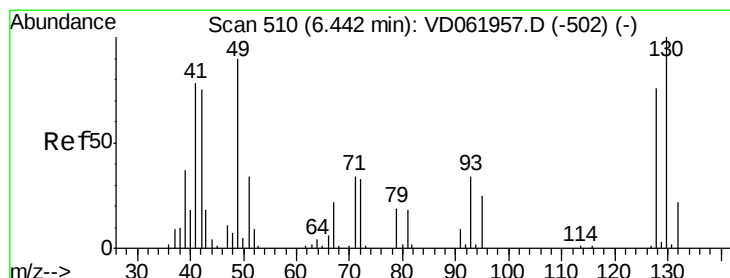
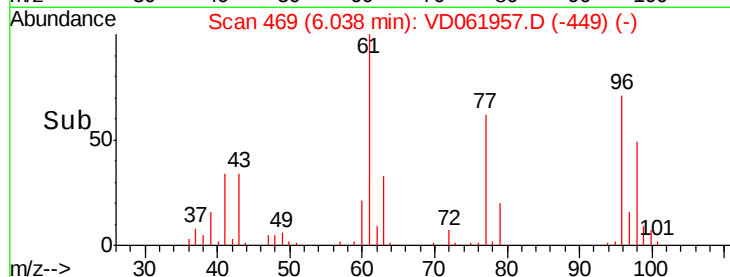
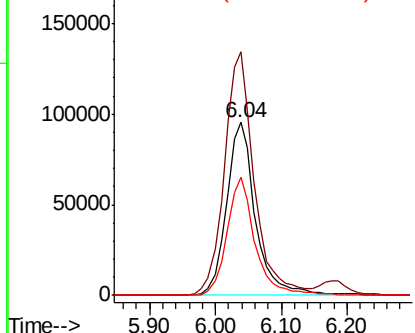
cis-1,2-Dichloroethene
 Concen: 52.164 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	279.8
98	68.5	0.0	136.0



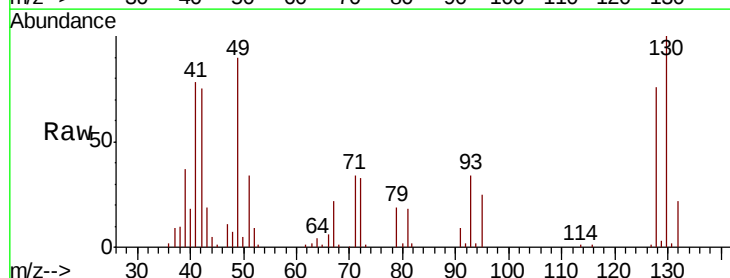
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



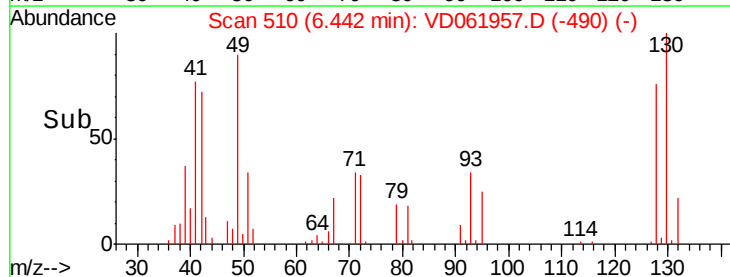
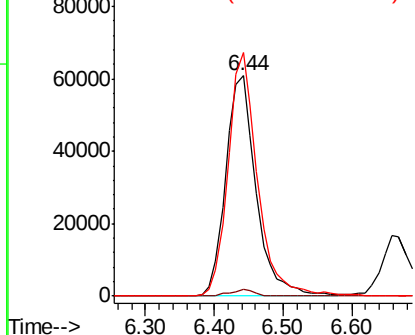
#28

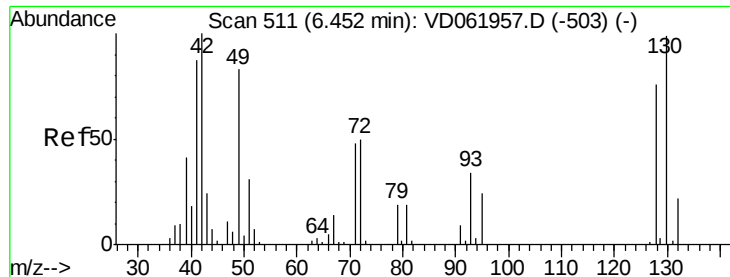
Bromochloromethane
 Concen: 59.051 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	6.6
130	110.6	86.7	130.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 309.472 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

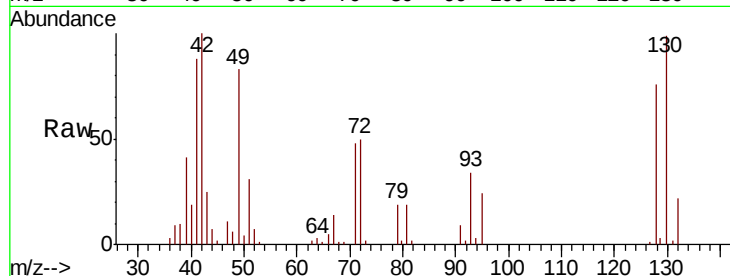
Tot Ion: 42 Resp: 177882

Ion Ratio Lower Upper

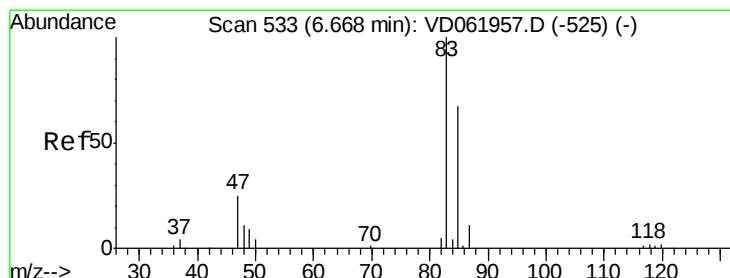
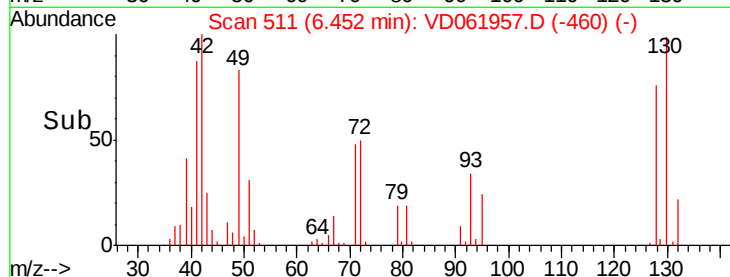
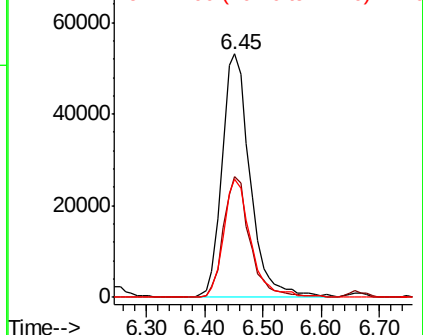
42 100

72 46.6 37.8 56.6

71 46.7 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 59.130 ug/l

RT: 6.67 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD061957.D

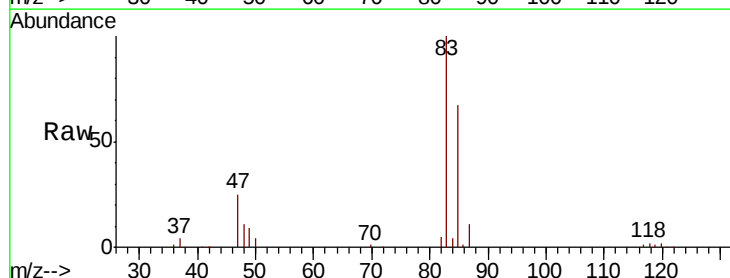
Acq: 23 Apr 2019 1:13

Tgt Ion: 83 Resp: 548673

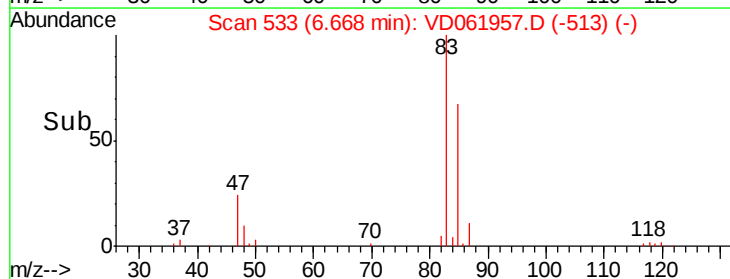
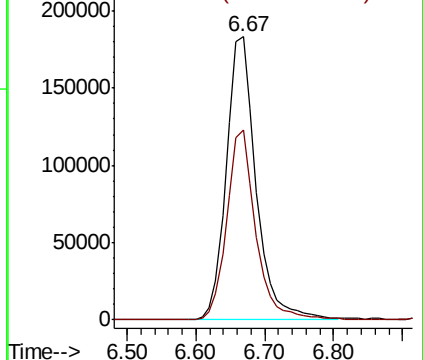
Ion Ratio Lower Upper

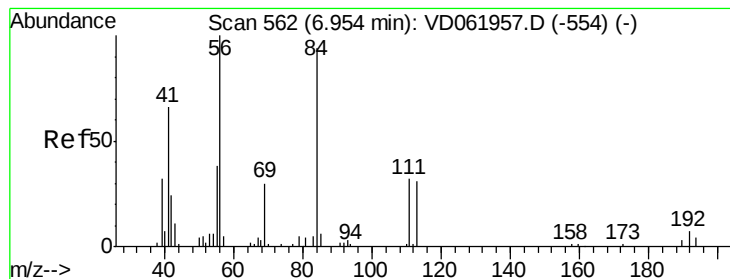
83 100

85 67.0 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 49.126 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

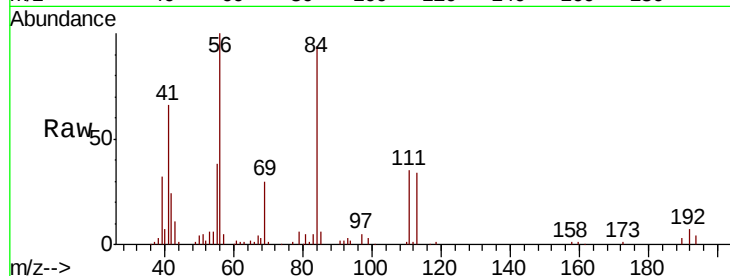
Tot Ion: 56 Resp: 312865

Ion Ratio Lower Upper

56 100

69 30.0 25.8 38.6

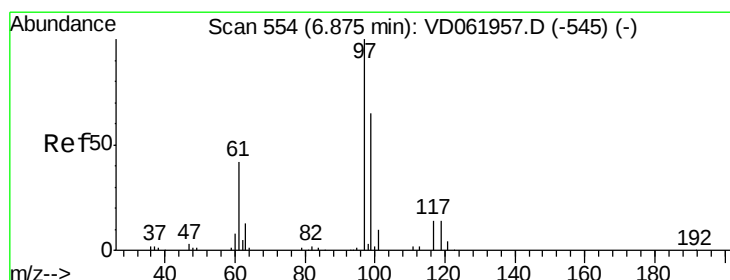
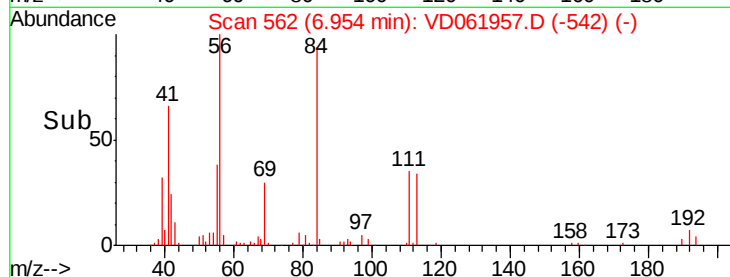
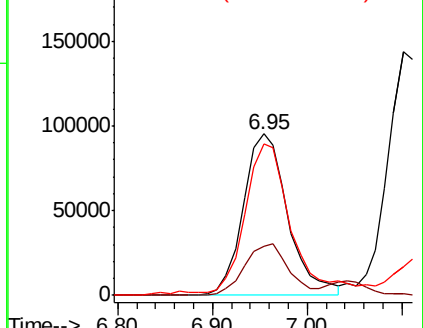
84 94.1 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.837 ug/l

RT: 6.88 min Scan# 554

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

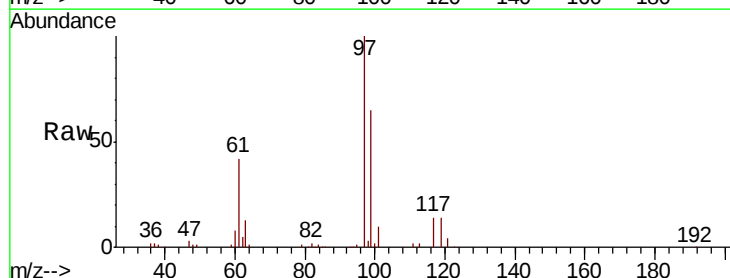
Tgt Ion: 97 Resp: 451057

Ion Ratio Lower Upper

97 100

99 64.5 52.2 78.2

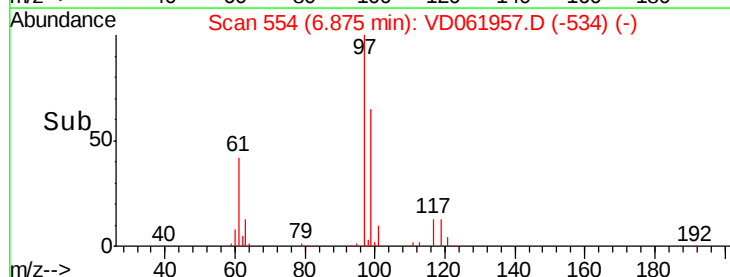
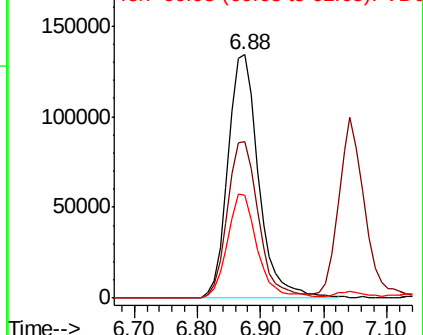
61 42.1 32.4 48.6

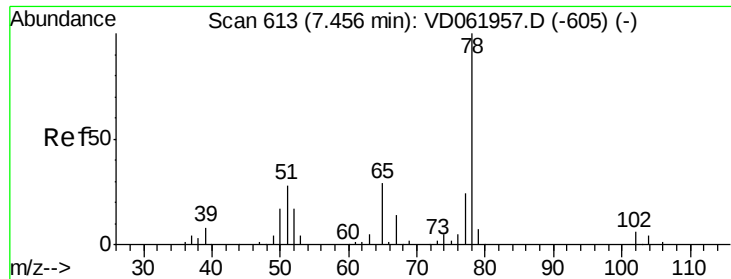


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

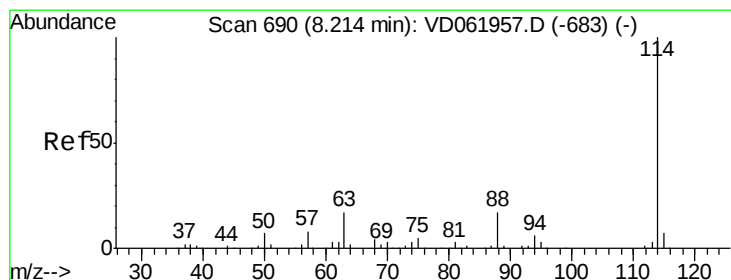
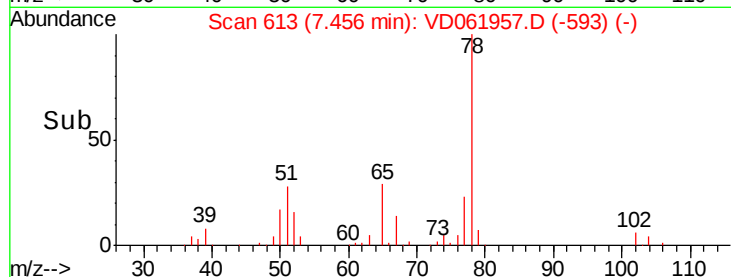
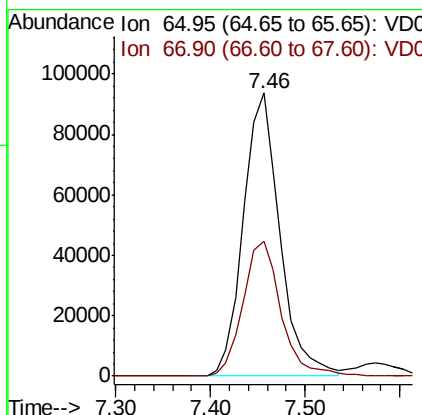
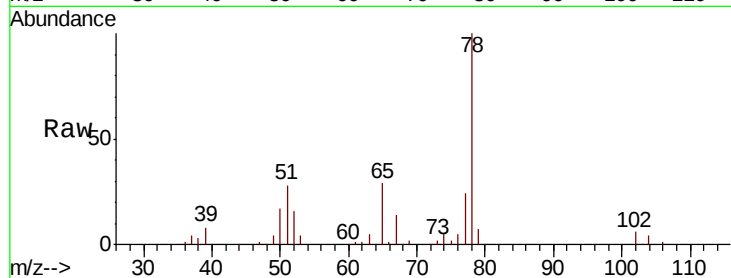




#33
 1,2-Dichloroethane-d4
 Concen: 54.837 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

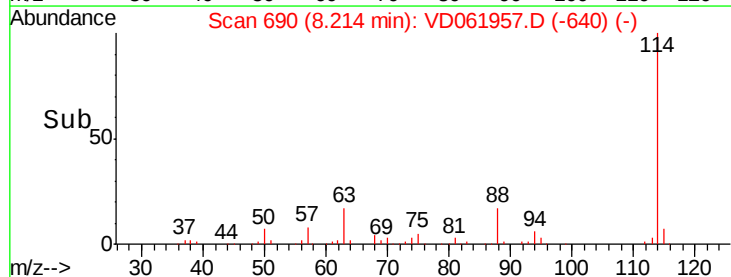
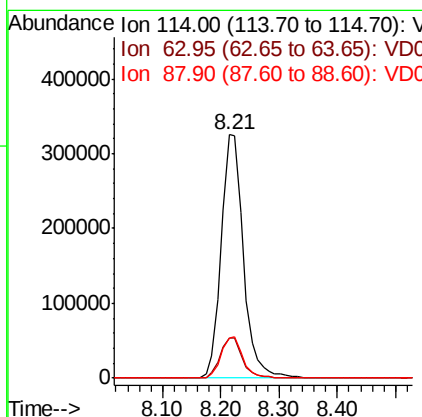
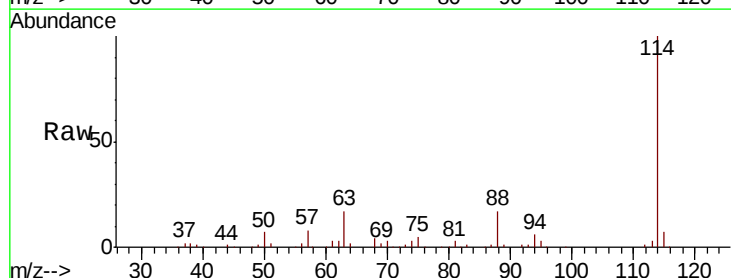
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

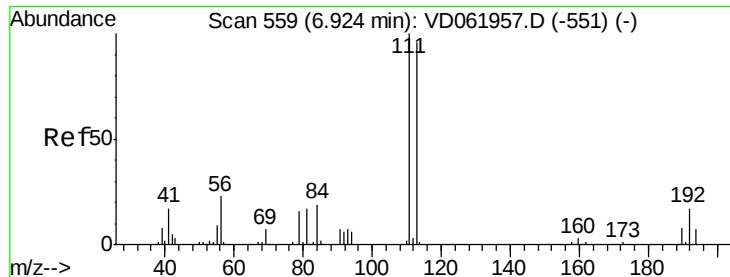
Tot Ion: 65 Resp: 250918
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 114 Resp: 863801
 Ion Ratio Lower Upper
 114 100
 63 16.7 0.0 32.4
 88 16.6 0.0 33.6

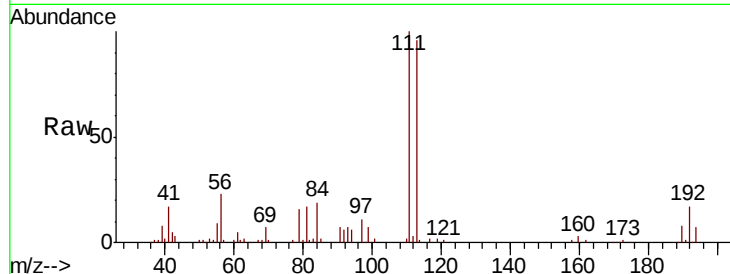




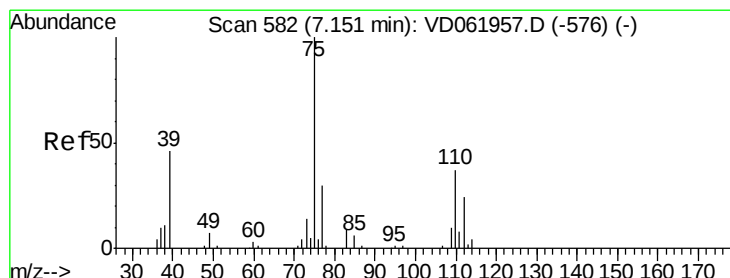
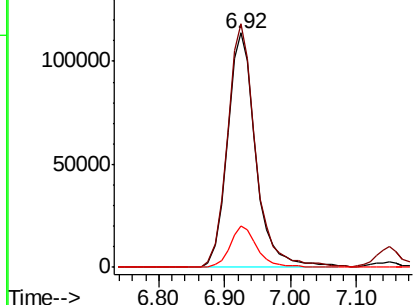
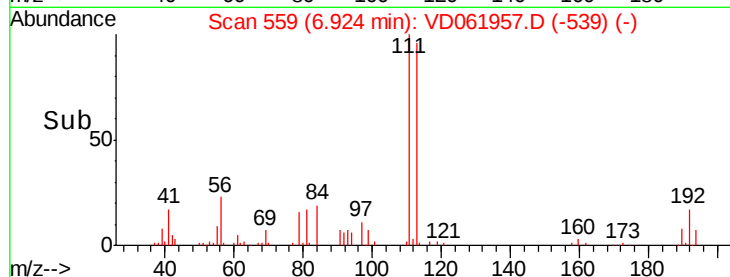
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	78.5	117.7
192	17.6	13.0	19.4

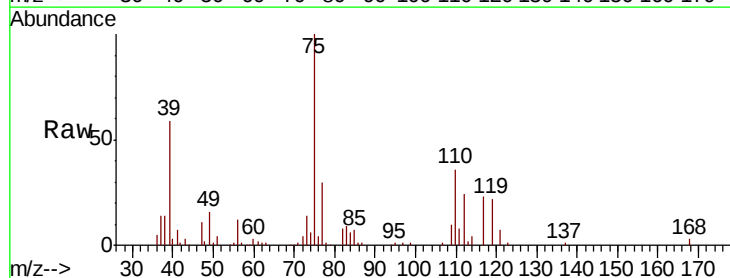


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

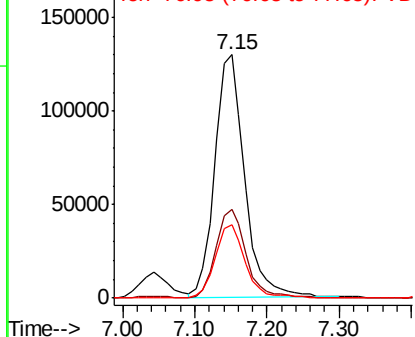
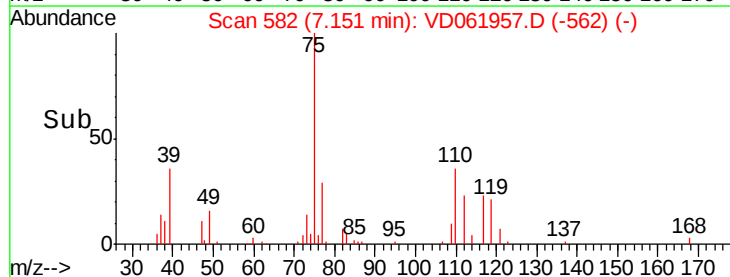


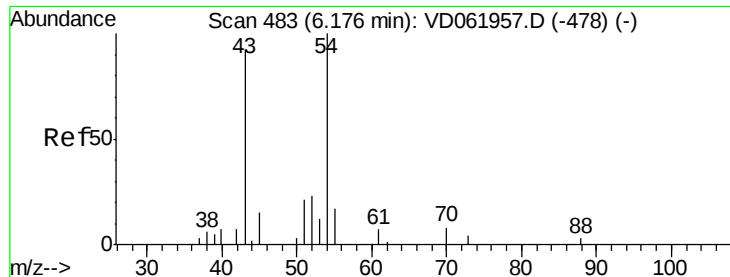
#36
 1,1-Dichloropropene
 Concen: 52.242 ug/l
 RT: 7.15 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	19.1	57.1
77	30.0	25.6	38.4



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

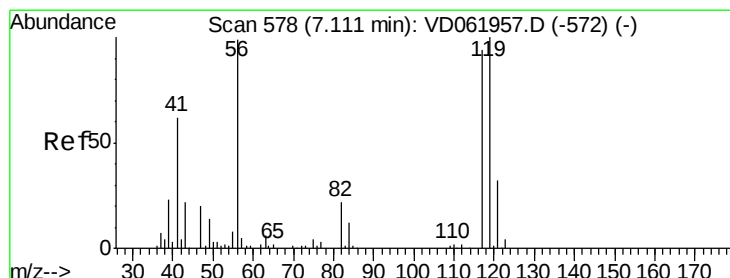
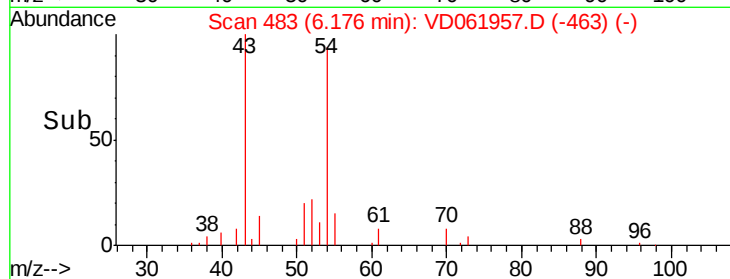
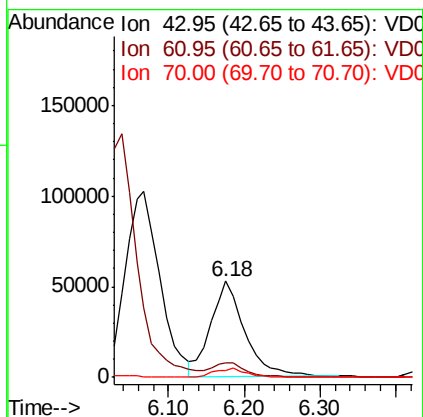
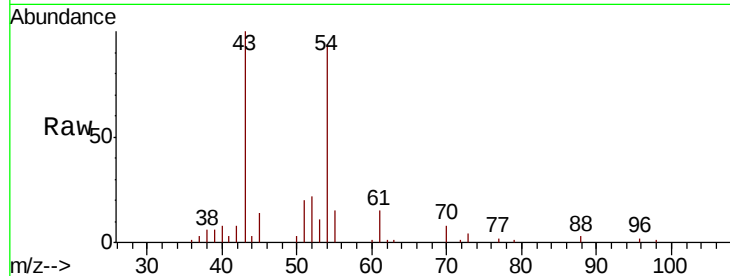




#37
Ethyl Acetate
Concen: 55.038 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

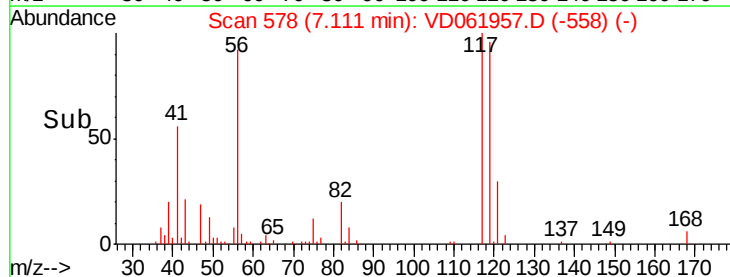
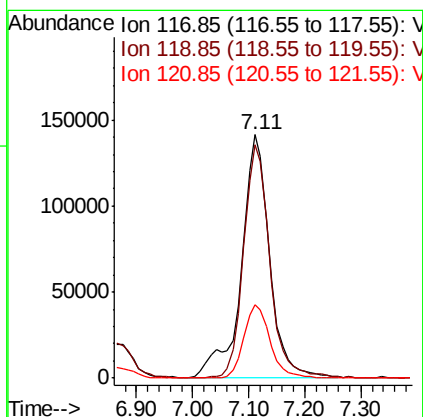
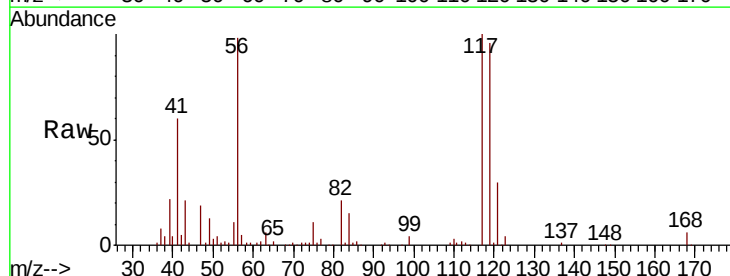
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

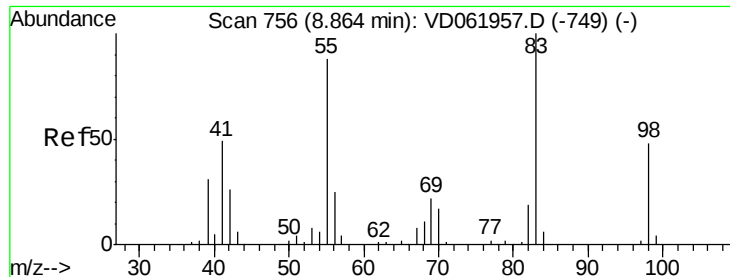
Tot Ion: 43 Resp: 166271
Ion Ratio Lower Upper
43 100
61 14.9 14.7 22.1
70 7.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 55.963 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 117 Resp: 498801
Ion Ratio Lower Upper
117 100
119 96.0 75.8 113.8
121 30.1 25.9 38.9

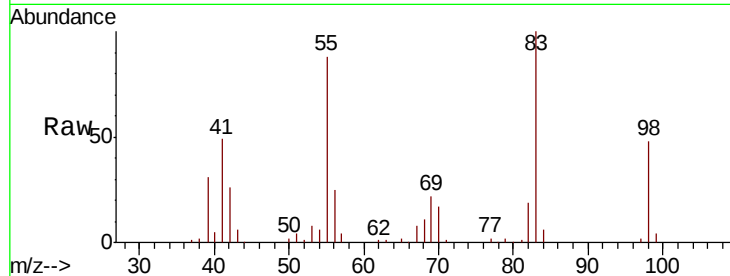




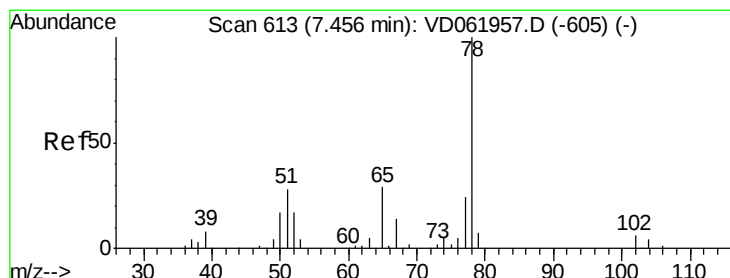
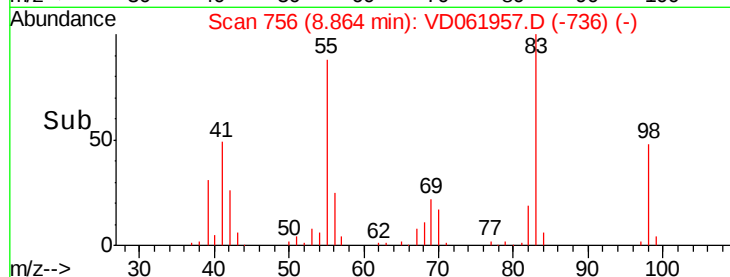
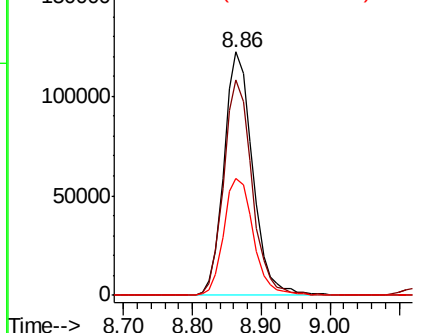
#39
Methvlcvclohexane
Concen: 48.195 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 353268
Ion Ratio Lower Upper
83 100
55 88.3 68.2 102.4
98 48.1 38.2 57.4

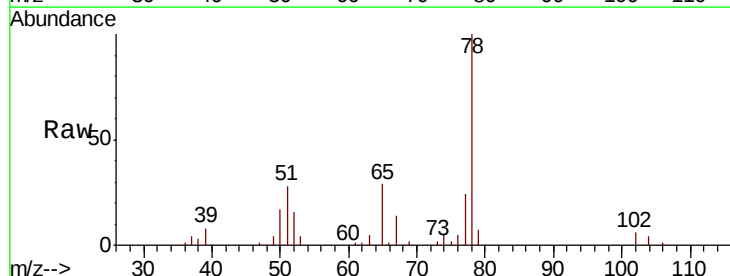


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

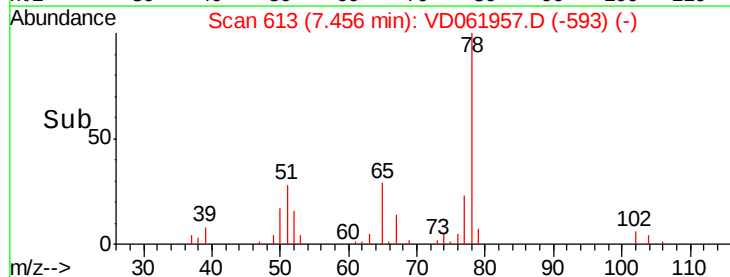
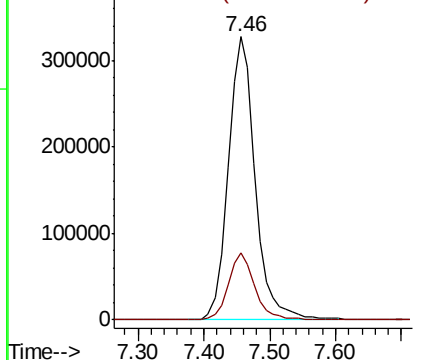


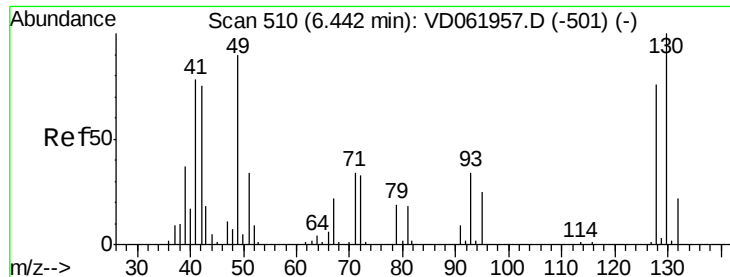
#40
Benzene
Concen: 55.192 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 78 Resp: 935307
Ion Ratio Lower Upper
78 100
77 23.5 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

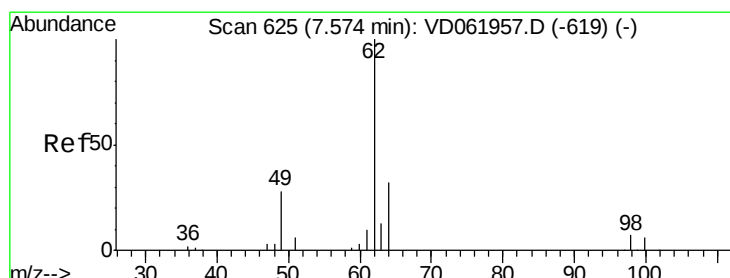
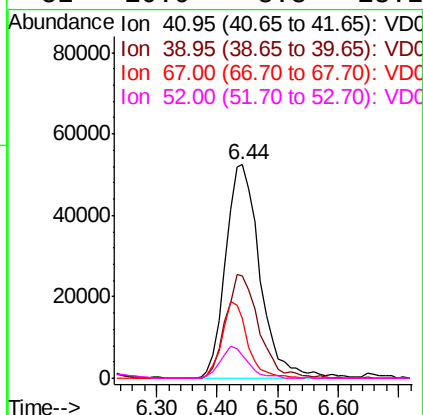
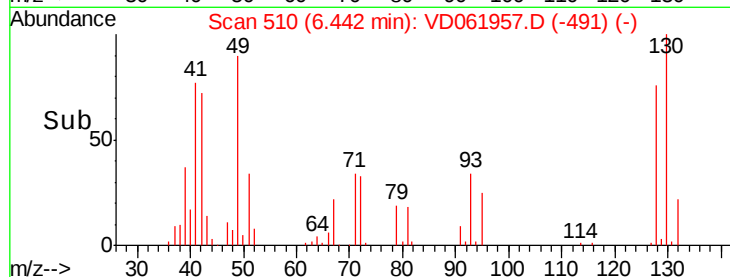
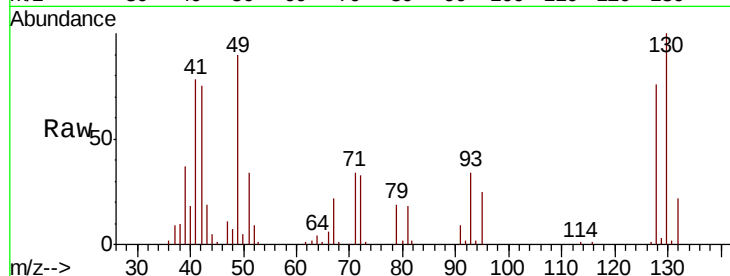




#41
Methacrylonitrile
Concen: 57.704 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

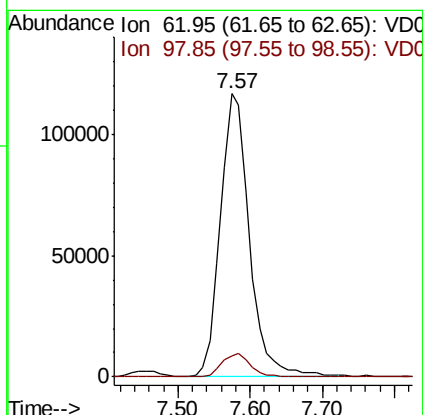
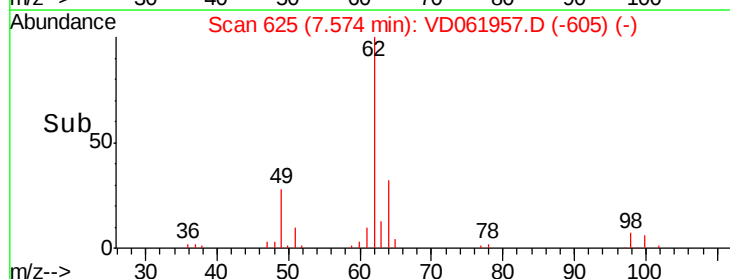
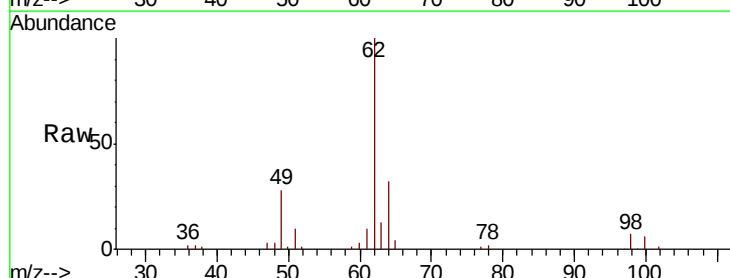
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

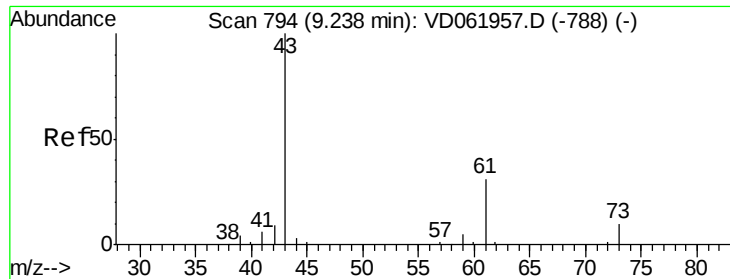
Tot Ion:	41	Resp:	206046
Ion	Ratio	Lower	Upper
41	100		
39	48.0	34.1	51.1
67	28.5	23.8	35.6
52	10.9	8.8	13.2



#42
1,2-Dichloroethane
Concen: 55.205 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion:	62	Resp:	325819
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	17.8



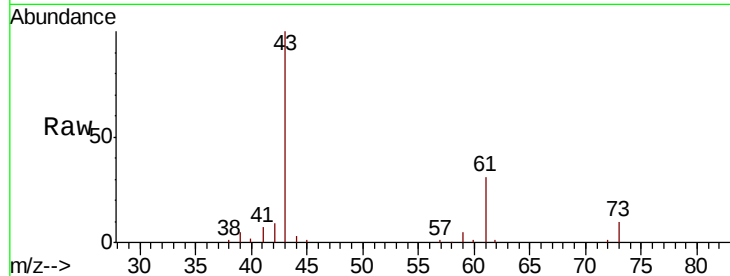


#43

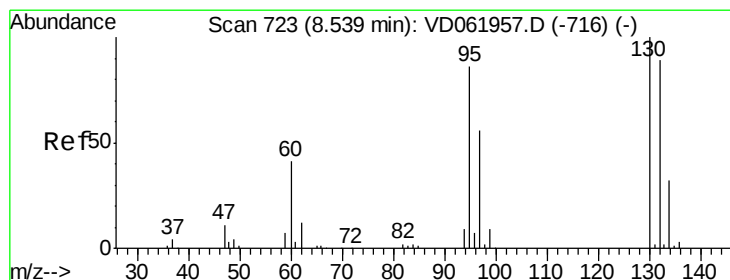
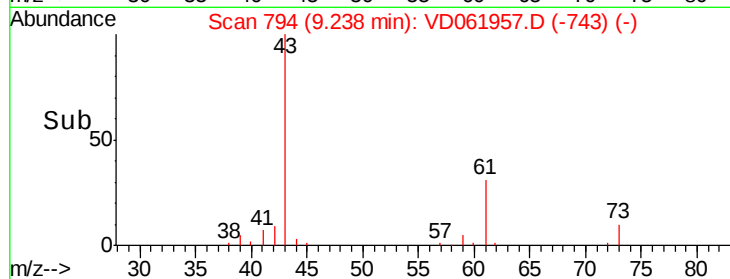
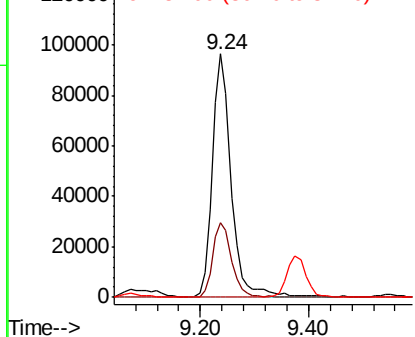
Isopropyl Acetate
 Concen: 54.774 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 232860
 Ion Ratio Lower Upper
 43 100
 61 30.7 25.1 37.7
 87 0.0 0.0 0.0



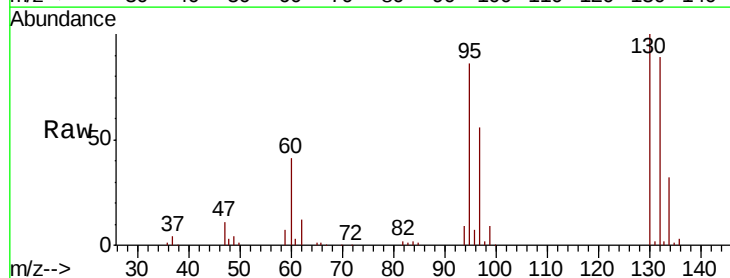
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



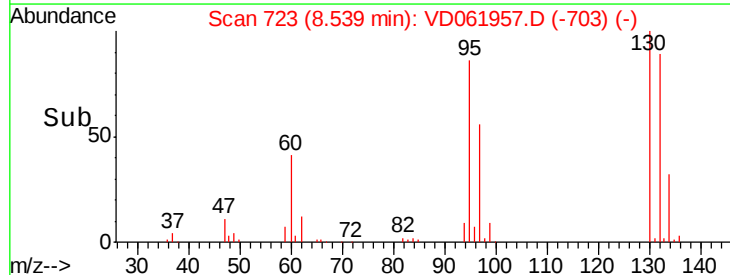
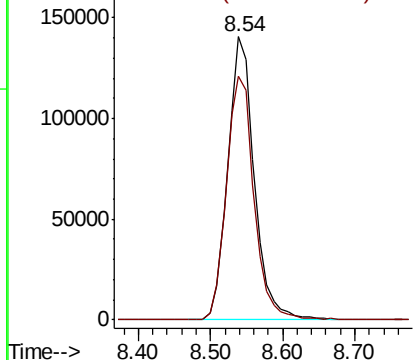
#44

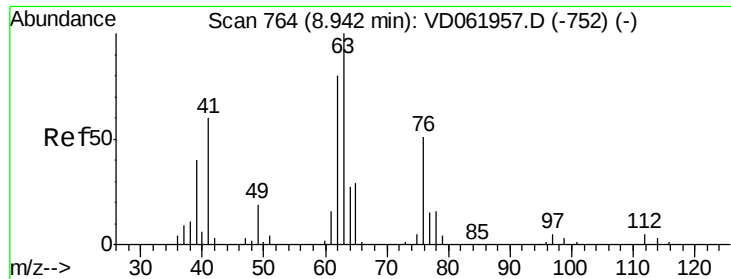
Trichloroethene
 Concen: 55.224 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 130 Resp: 360265
 Ion Ratio Lower Upper
 130 100
 95 86.1 0.0 174.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.926 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

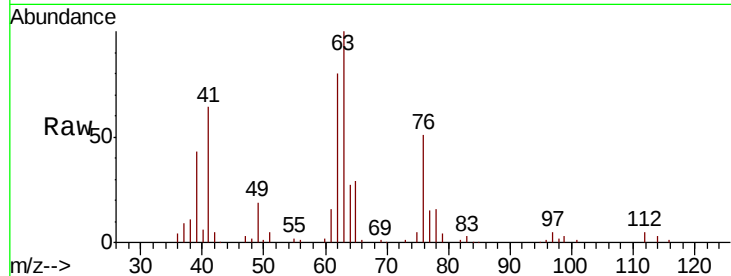
VSTDICCC050

Tot Ion: 63 Resp: 233621

Ion Ratio Lower Upper

63 100

65 29.4 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

100000

80000

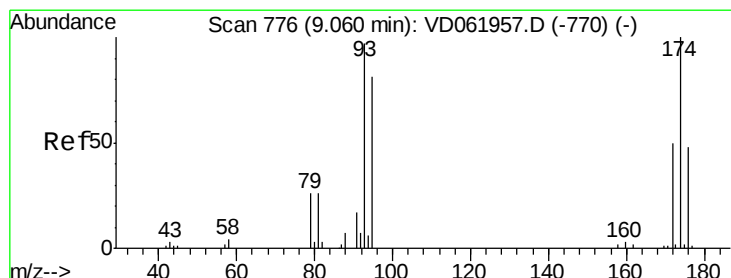
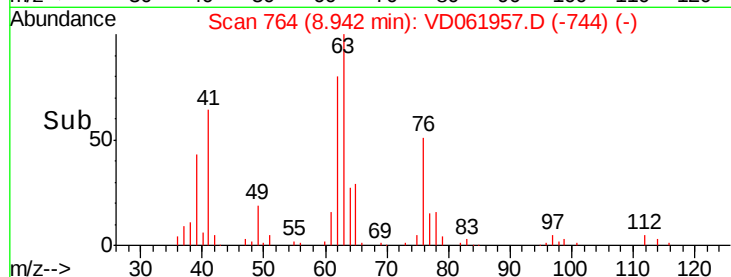
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 56.702 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

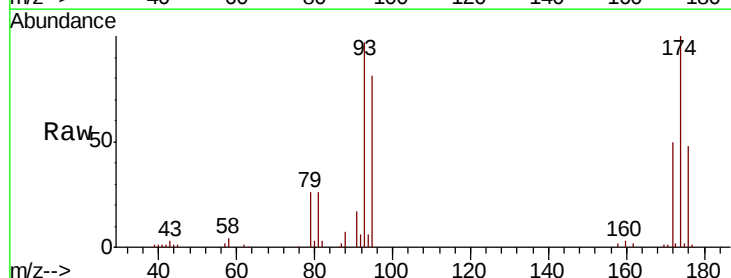
Tgt Ion: 93 Resp: 178341

Ion Ratio Lower Upper

93 100

95 83.5 64.8 97.2

174 103.5 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

9.06

100000

80000

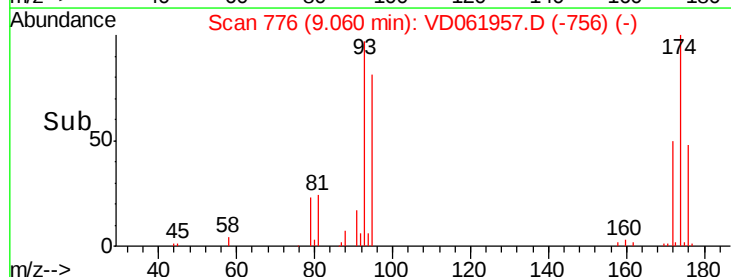
60000

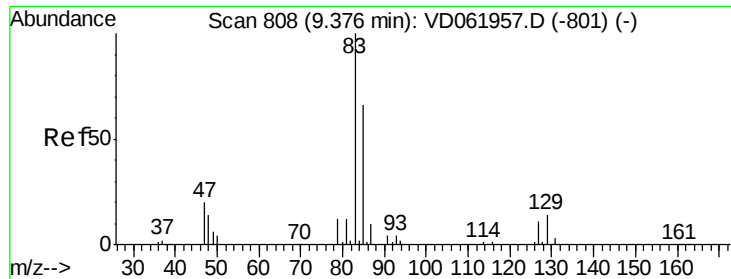
40000

20000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 54.116 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

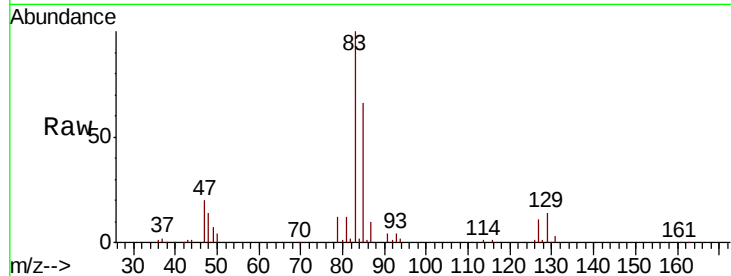
Tot Ion: 83 Resp: 392666

Ion Ratio Lower Upper

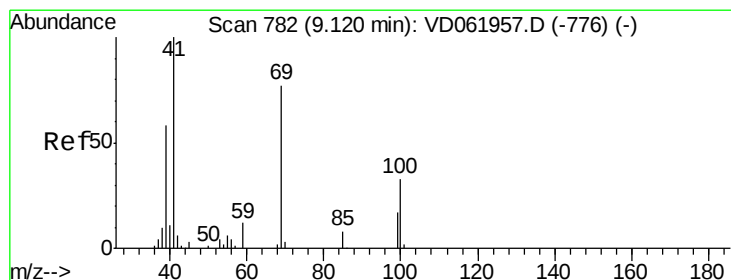
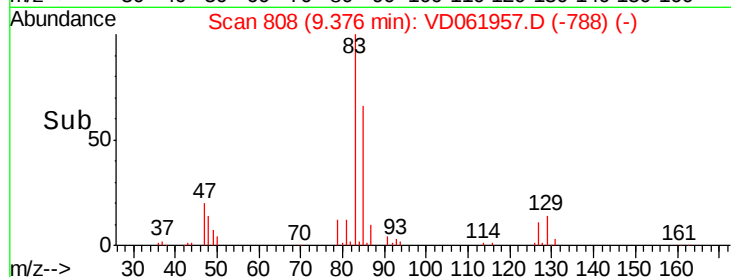
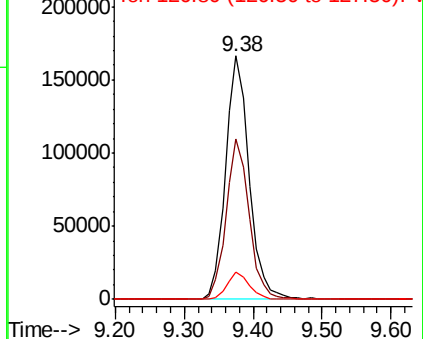
83 100

85 65.7 50.9 76.3

127 11.0 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): VDC



#48

Methyl methacrylate

Concen: 52.941 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

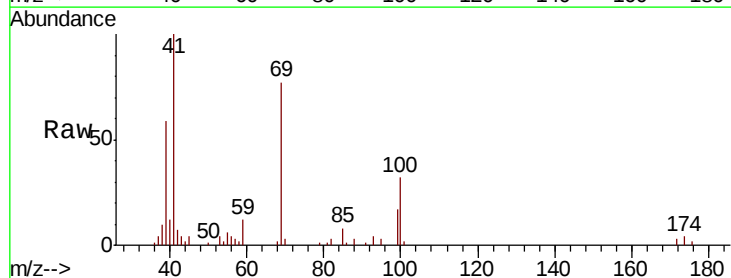
Tgt Ion: 41 Resp: 132300

Ion Ratio Lower Upper

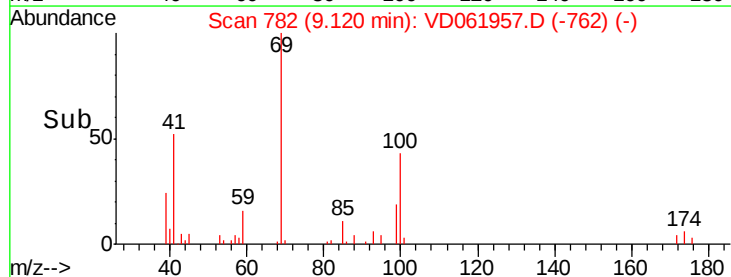
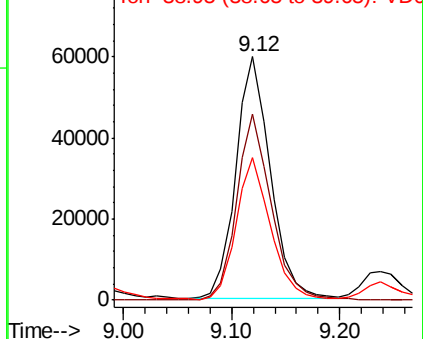
41 100

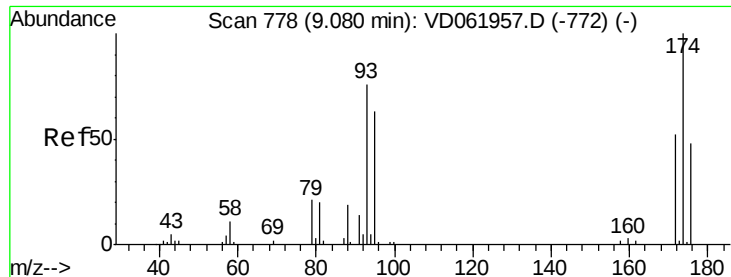
69 76.7 64.2 96.2

39 58.6 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

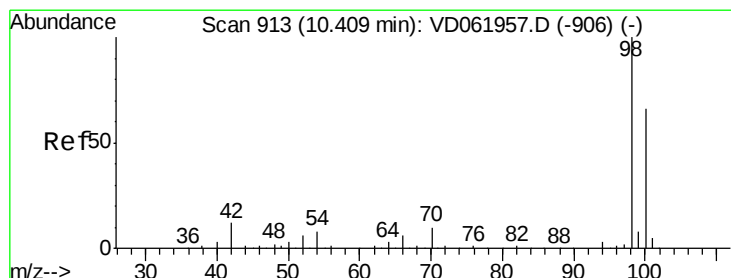
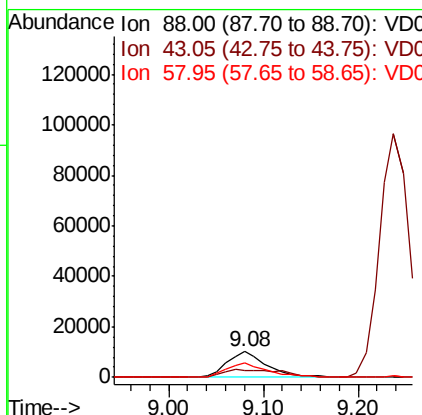
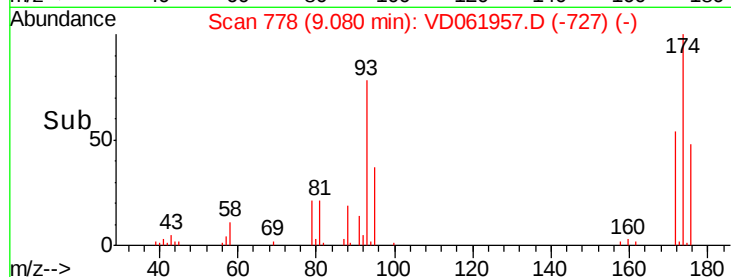
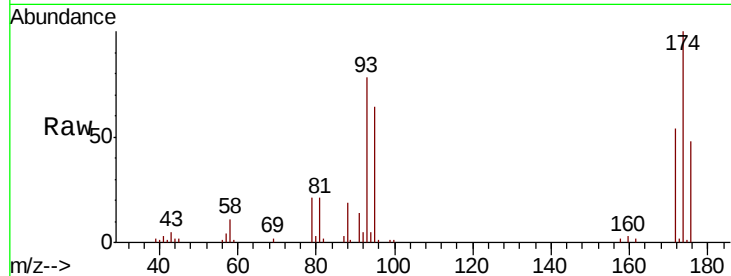




#49
1,4-Dioxane
Concen: 1078.120 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

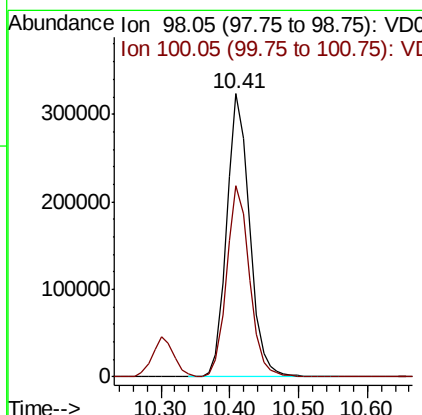
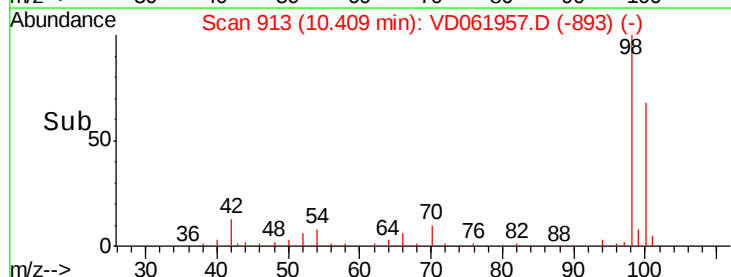
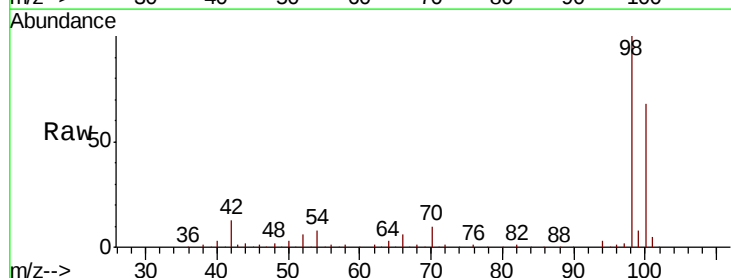
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

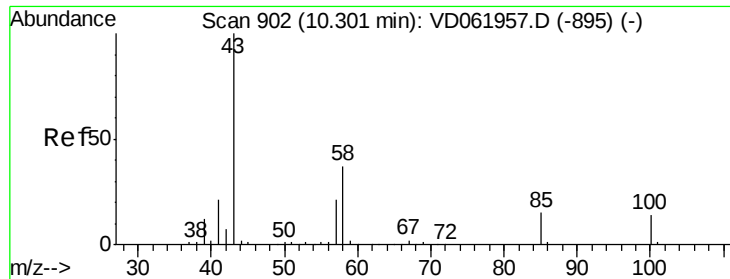
Tot Ion: 88 Resp: 29448
Ion Ratio Lower Upper
88 100
43 26.4 23.4 35.0
58 55.1 44.0 66.0



#50
Toluene-d8
Concen: 1078.120 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 98 Resp: 745374
Ion Ratio Lower Upper
98 100
100 67.5 53.8 80.8

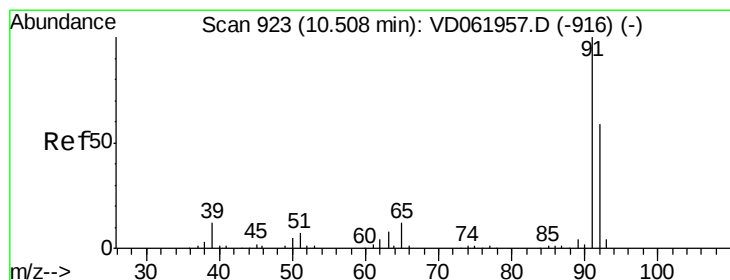
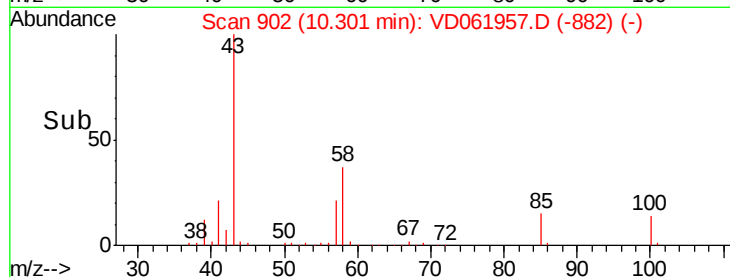
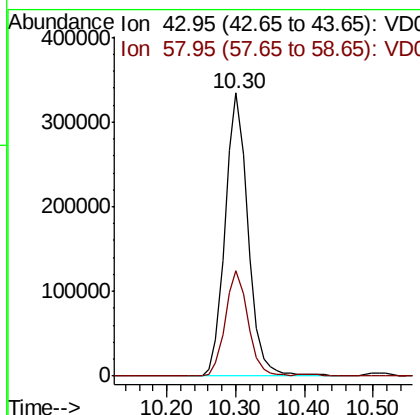
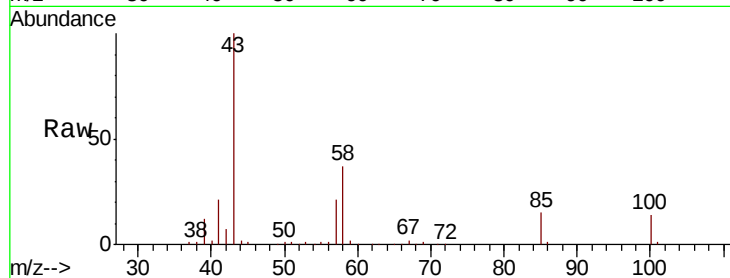




#51
 4-Methyl-2-Pentanone
 Concen: 296.084 ug/l
 RT: 10.30 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

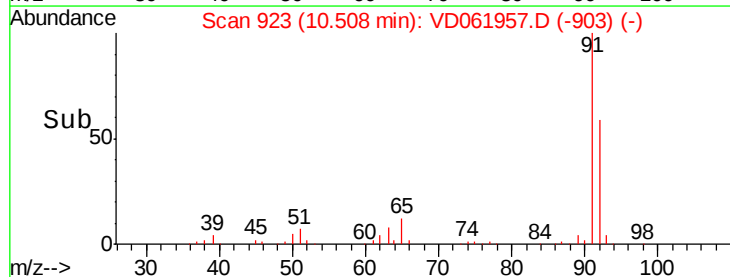
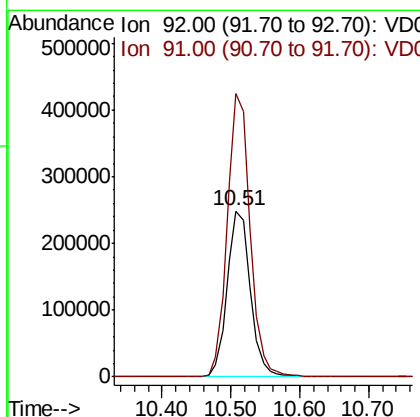
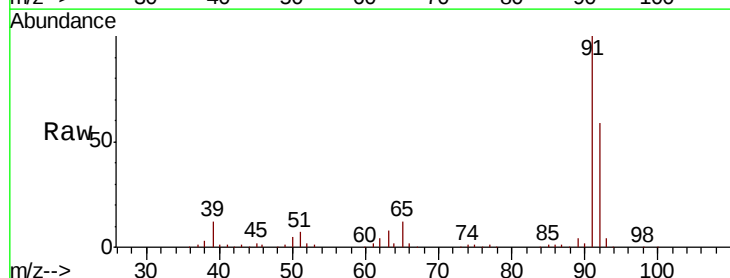
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

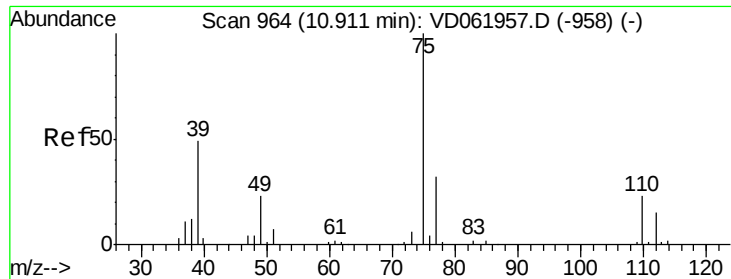
Tot Ion: 43 Resp: 769770
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.4 45.6



#52
 Toluene
 Concen: 53.301 ug/l
 RT: 10.51 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 92 Resp: 578833
 Ion Ratio Lower Upper
 92 100
 91 170.5 136.6 204.8

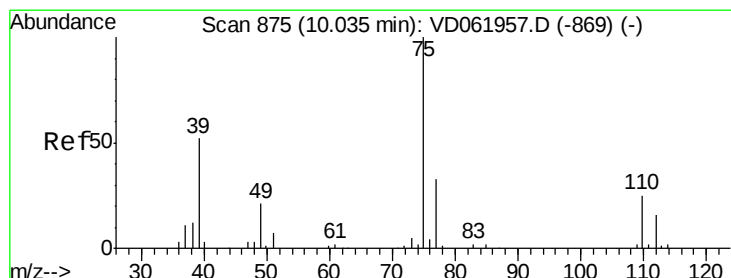
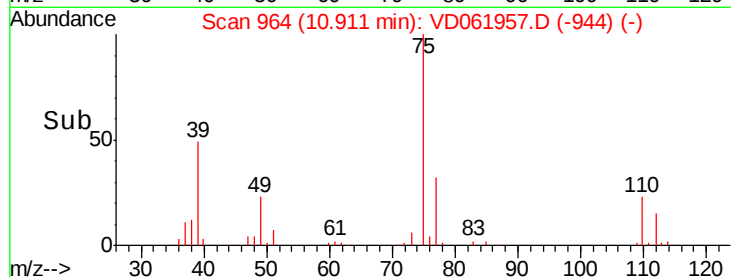
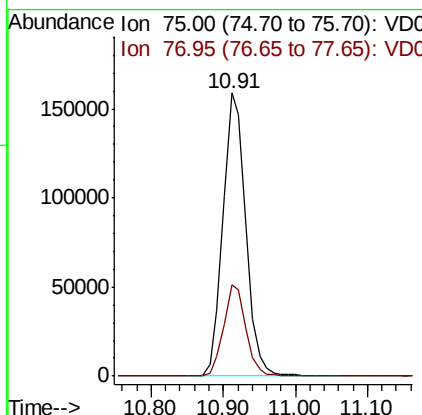
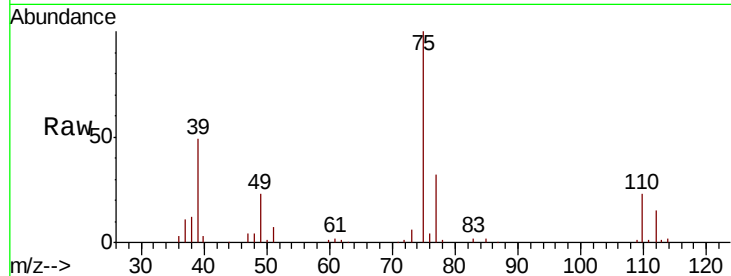




#53
 t-1,3-Dichloropropene
 Concen: 53.286 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

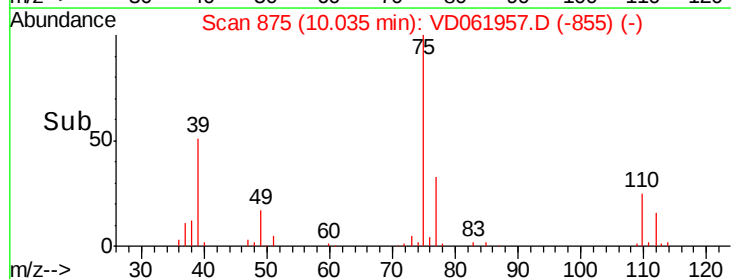
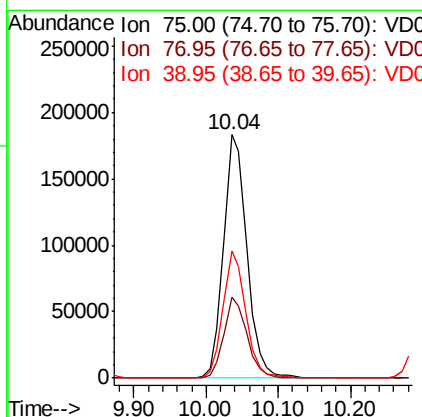
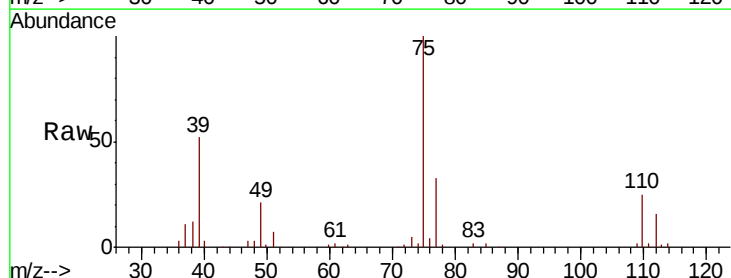
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

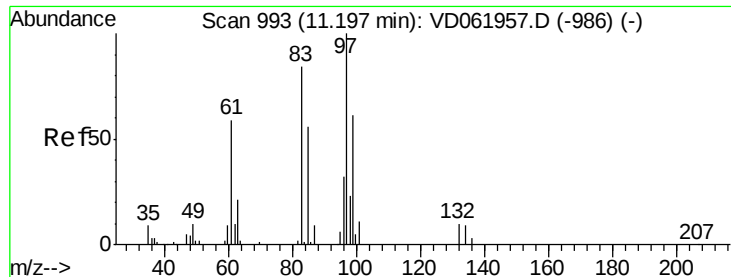
Tot Ion: 75 Resp: 348396
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 53.634 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 75 Resp: 411626
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.5 38.3
 39 52.3 39.4 59.2

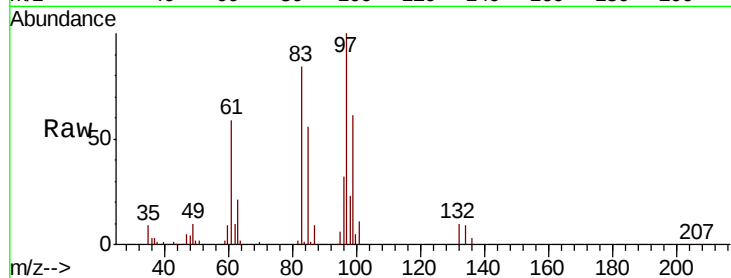




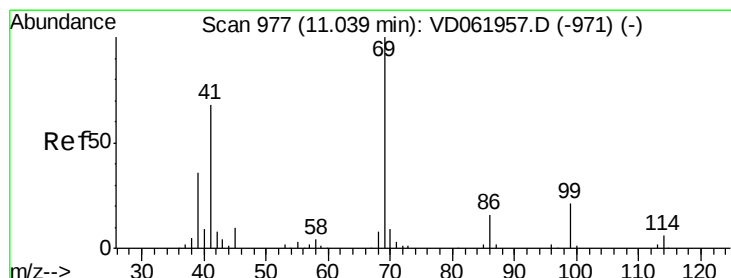
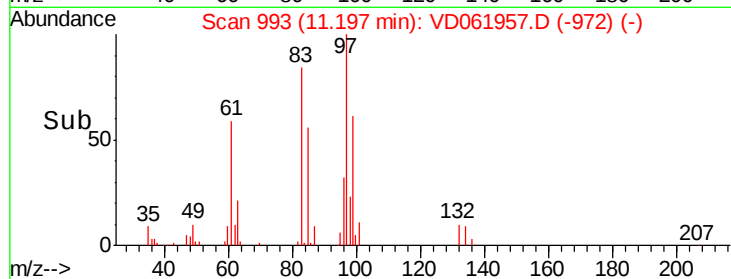
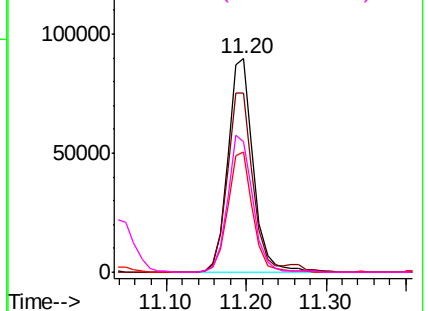
#55
 1,1,2-Trichloroethane
 Concen: 54.542 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	199587
Ion	Ratio	Lower	Upper
97	100		
83	83.8	65.7	98.5
85	56.2	45.6	68.4
99	61.1	48.4	72.6

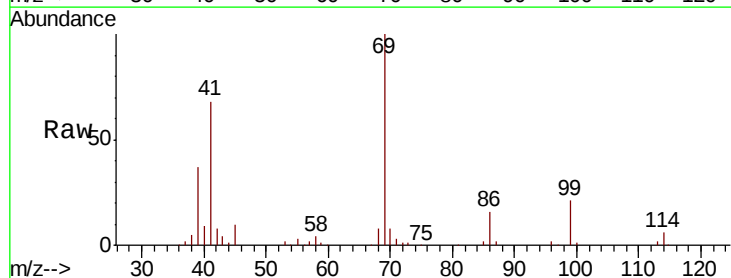


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

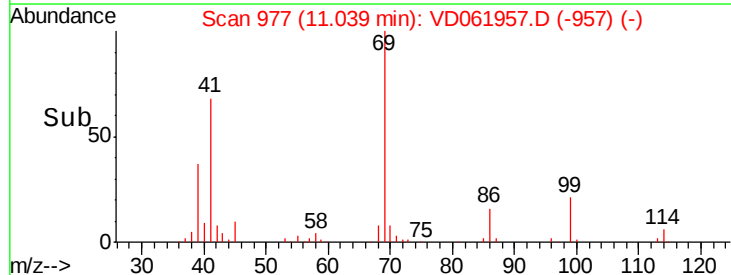
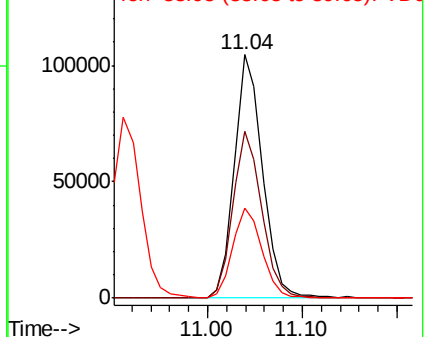


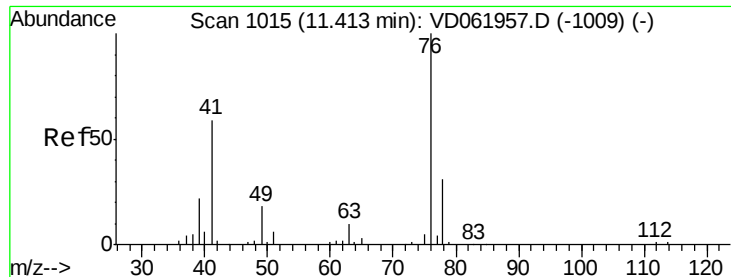
#56
 Ethyl methacrylate
 Concen: 53.738 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion:	69	Resp:	215823
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.3	84.5
39	37.1	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: 55.232 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

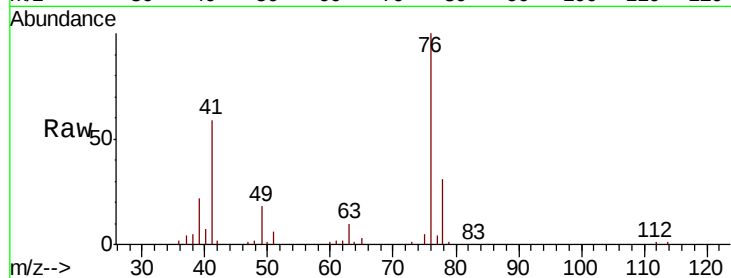
VSTDICCC050

Tot Ion: 76 Resp: 303849

Ion Ratio Lower Upper

76 100

78 31.3 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

150000

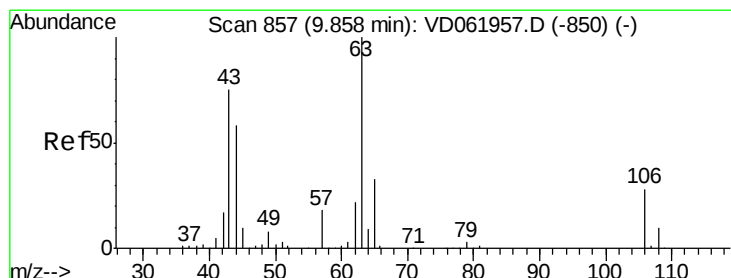
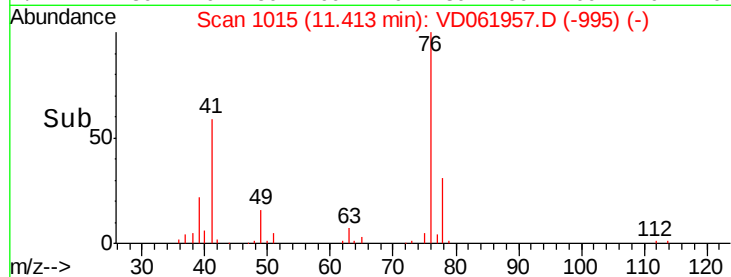
100000

50000

0

Time-->

11.30 11.40 11.50



#58

2-Chloroethyl Vinyl ether

Concen: 272.320 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061957.D

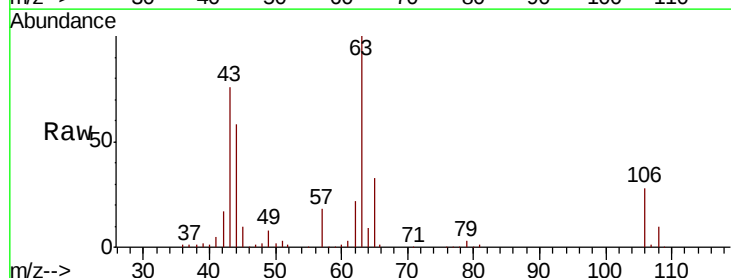
Acq: 23 Apr 2019 1:13

Tgt Ion: 63 Resp: 520211

Ion Ratio Lower Upper

63 100

106 28.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.86

250000

200000

150000

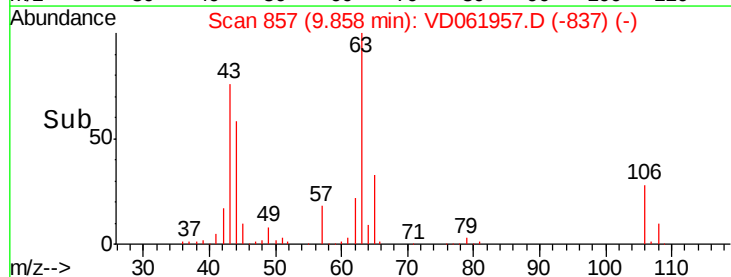
100000

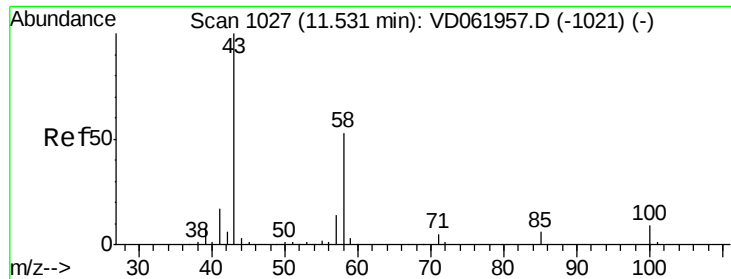
50000

0

Time-->

9.70 9.80 9.90 10.00

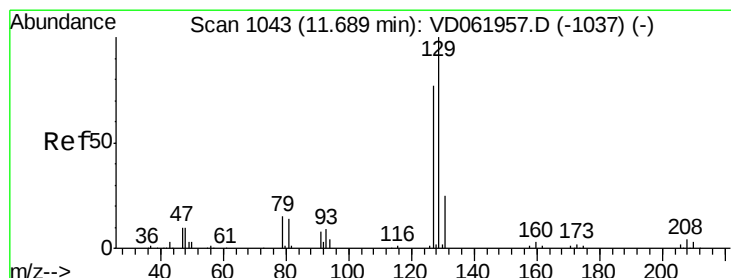
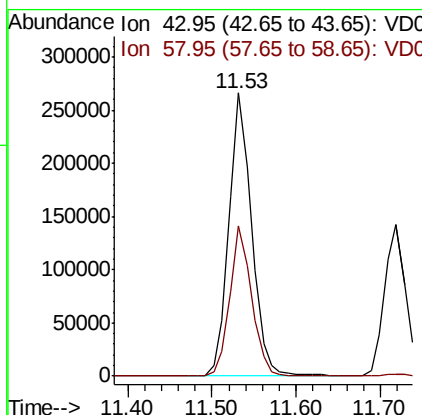
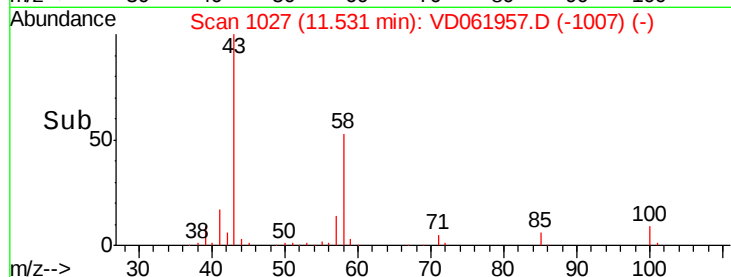
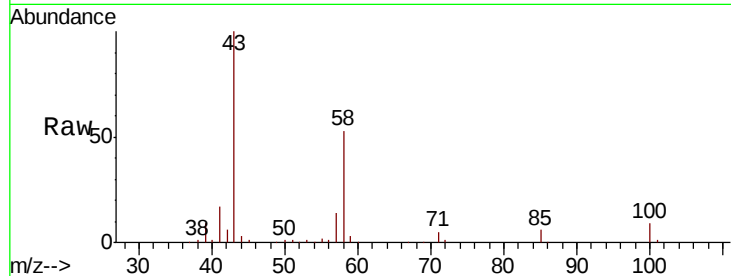




#59
2-Hexanone
Concen: 259.387 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

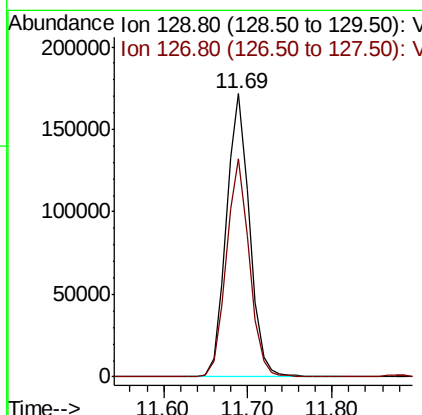
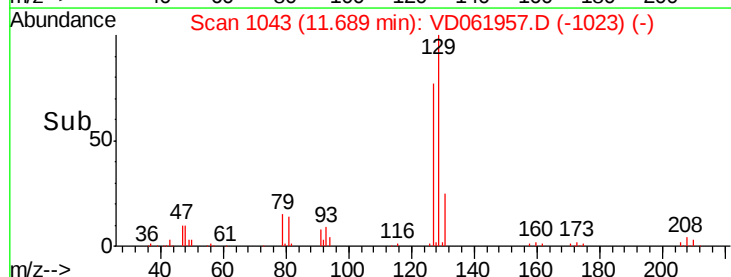
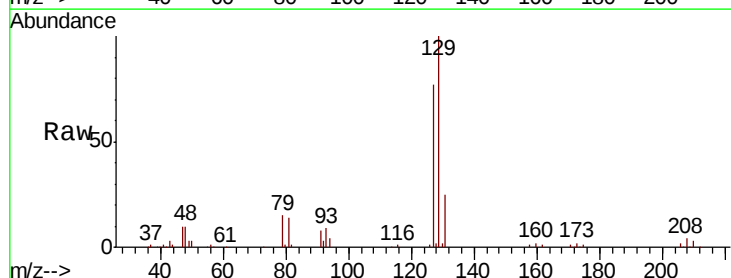
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

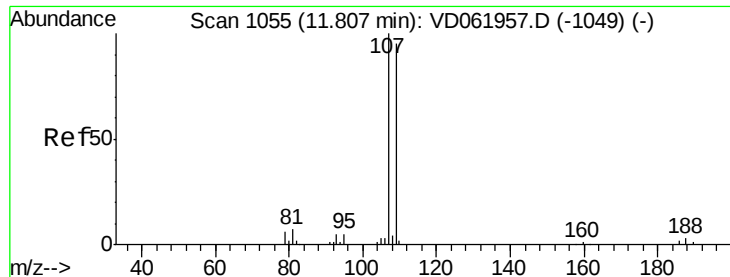
Tot Ion: 43 Resp: 500866
Ion Ratio Lower Upper
43 100
58 53.1 25.4 76.4



#60
Dibromochloromethane
Concen: 54.716 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 129 Resp: 327613
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9

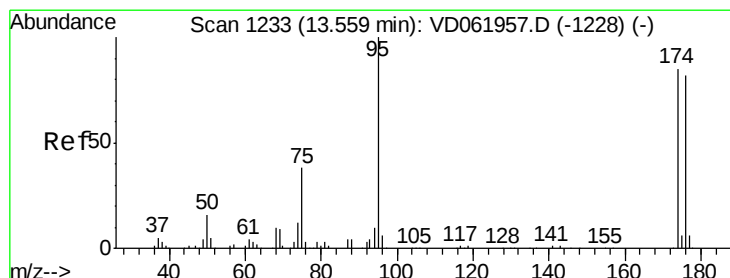
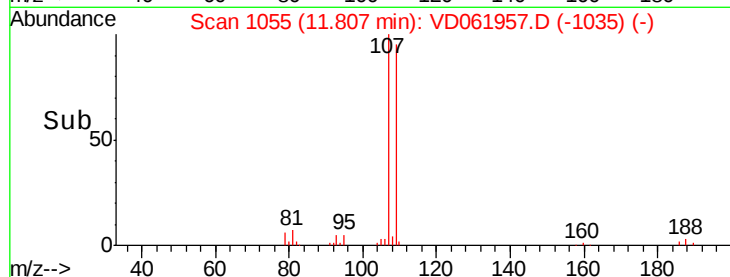
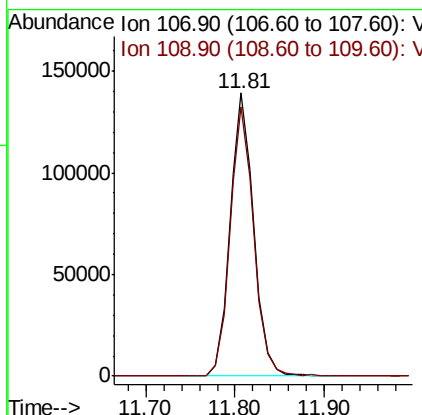
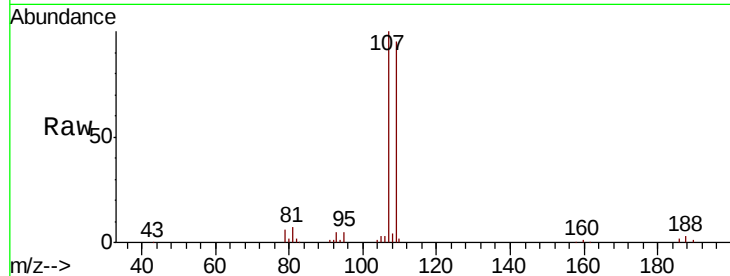




#61
 1,2-Dibromoethane
 Concen: 57.220 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

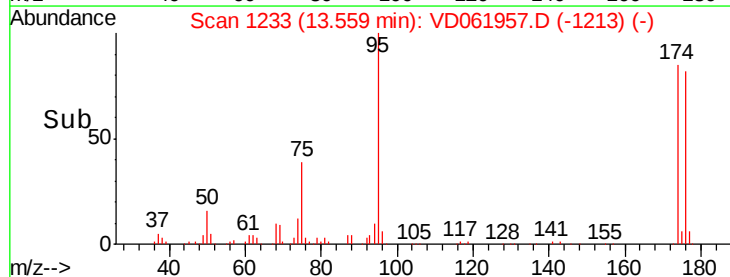
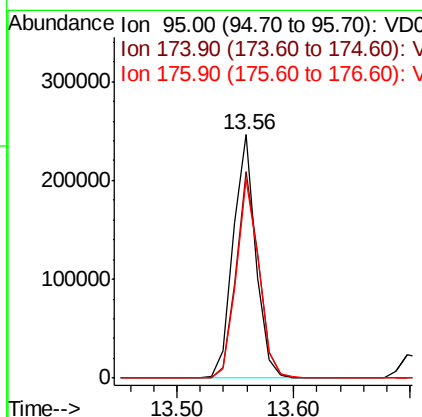
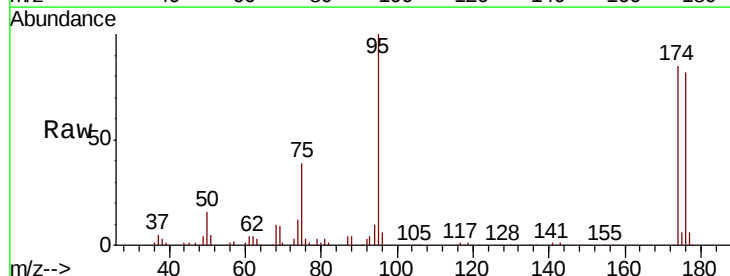
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

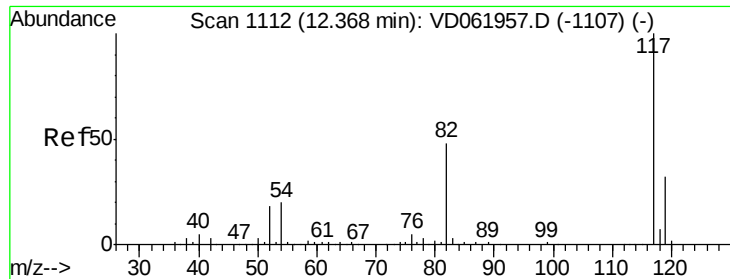
Tot Ion:107 Resp: 257462
 Ion Ratio Lower Upper
 107 100
 109 94.9 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 57.220 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 95 Resp: 329452
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 181.8
 176 81.7 0.0 174.4

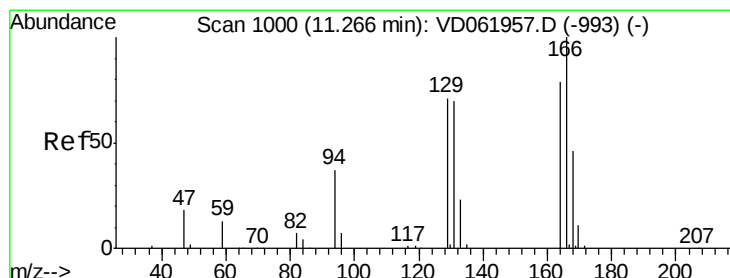
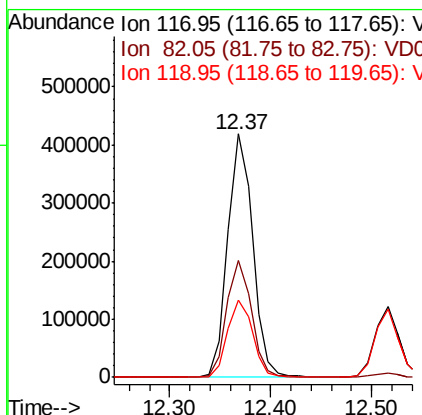
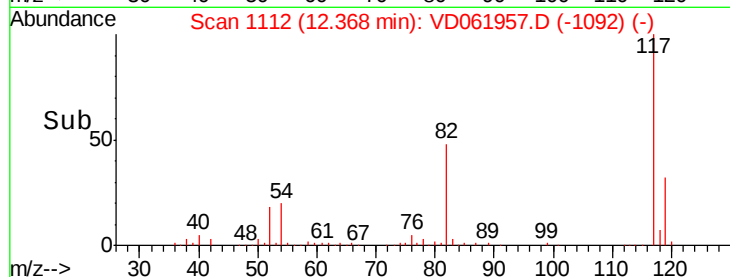
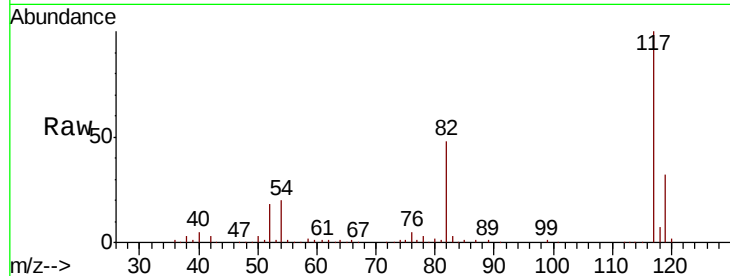




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

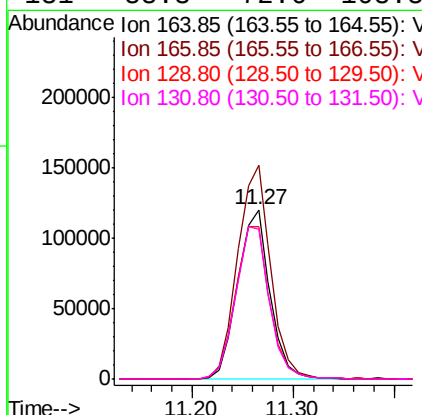
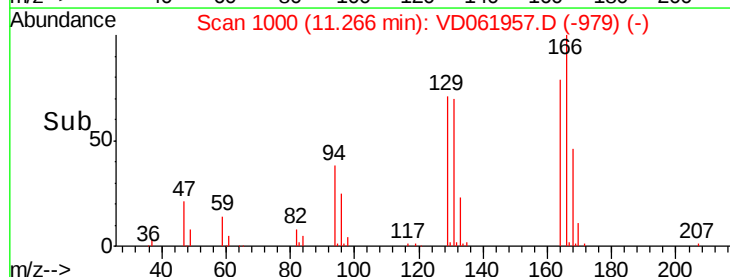
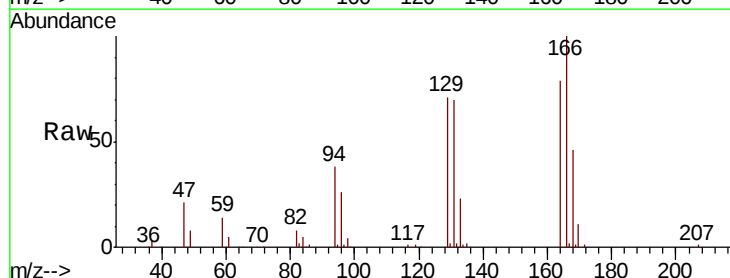
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

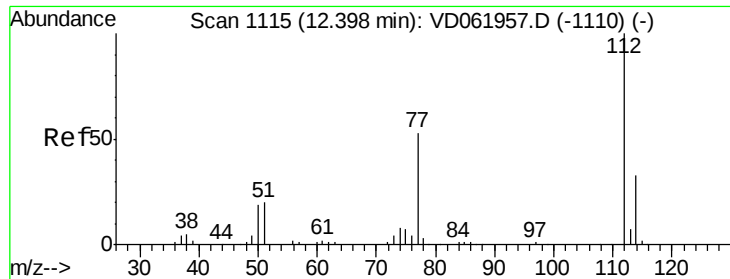
Tot Ion:117 Resp: 721323
Ion Ratio Lower Upper
117 100
82 47.9 36.2 54.2
119 31.9 26.2 39.4



#64
Tetrachloroethene
Concen: 49.372 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion:164 Resp: 267086
Ion Ratio Lower Upper
164 100
166 126.2 101.5 152.3
129 89.8 74.6 112.0
131 88.3 72.6 108.8

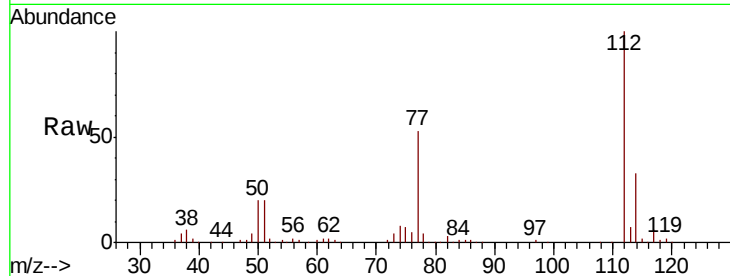




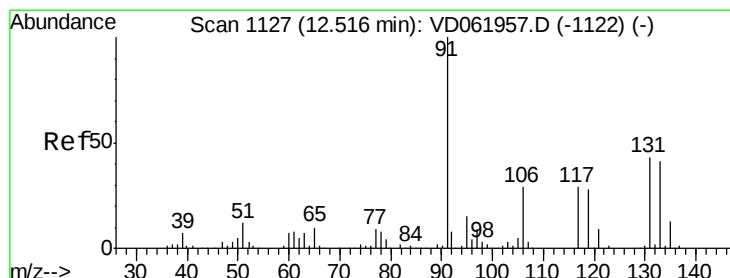
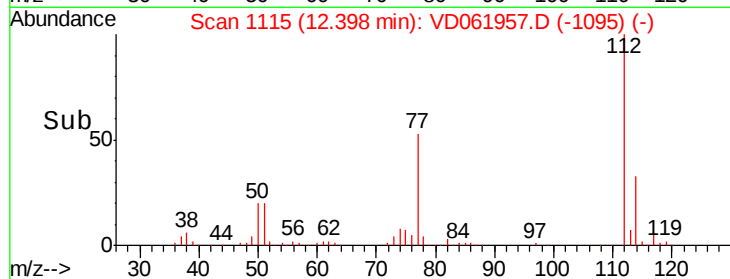
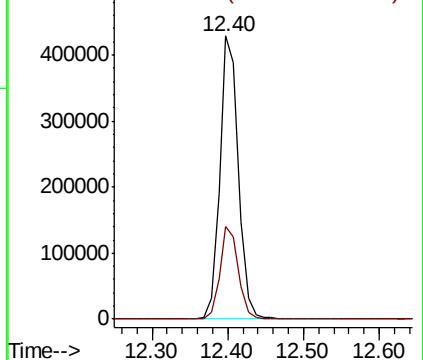
#65
Chlorobenzene
Concen: 54.374 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 730429
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

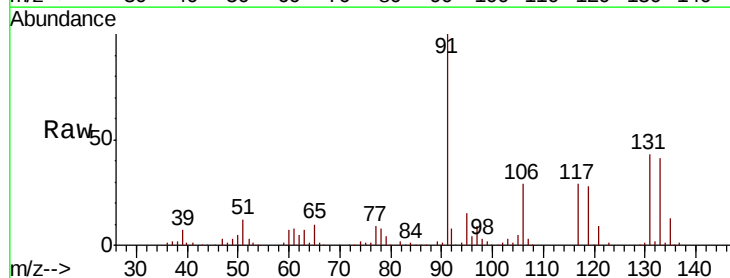


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

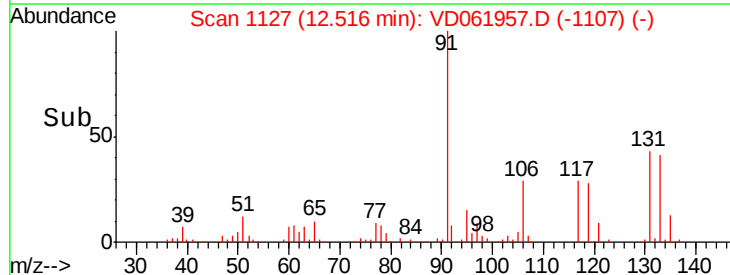
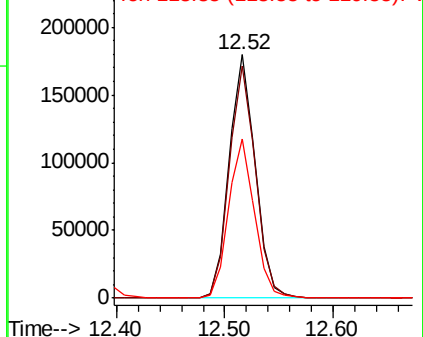


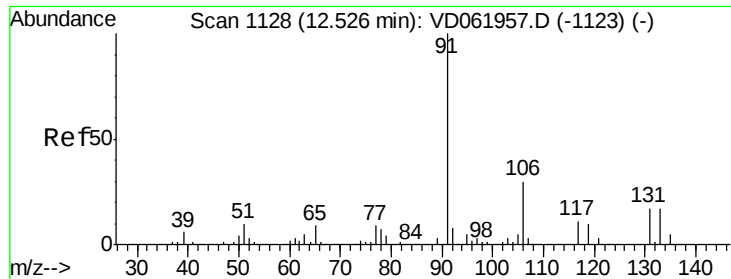
#66
1,1,1,2-Tetrachloroethane
Concen: 53.356 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion:131 Resp: 300371
Ion Ratio Lower Upper
131 100
133 95.3 48.6 145.8
119 65.4 34.7 104.1



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

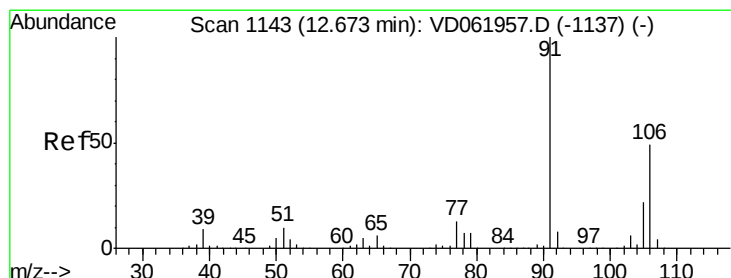
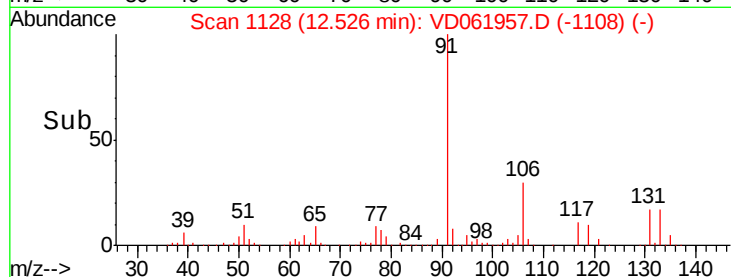
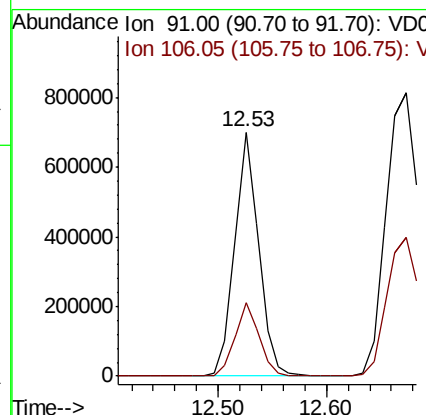
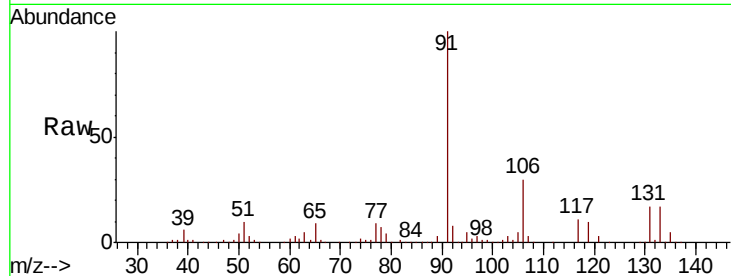




#67
Ethyl Benzene
Concen: 50.493 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

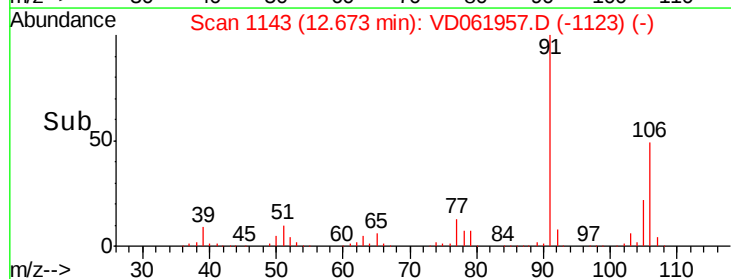
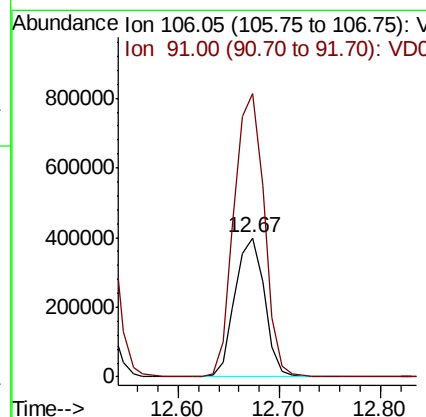
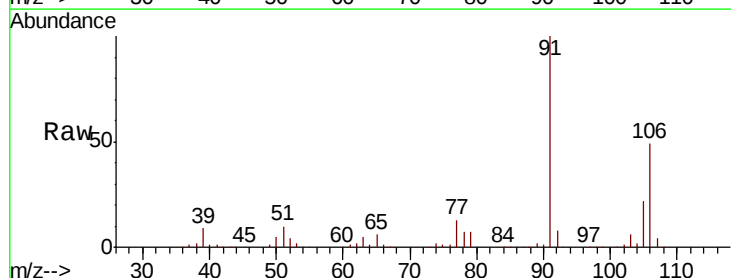
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

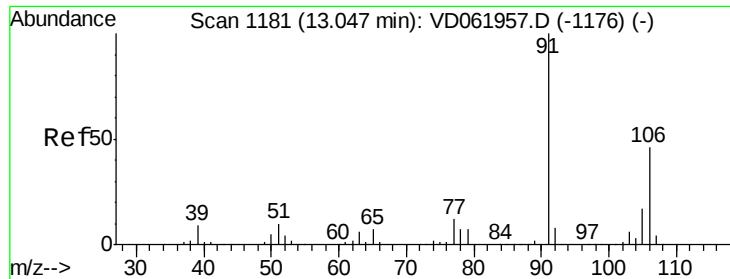
Tot Ion: 91 Resp: 1086247
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 101.535 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion:106 Resp: 820496
Ion Ratio Lower Upper
106 100
91 203.4 164.0 246.0

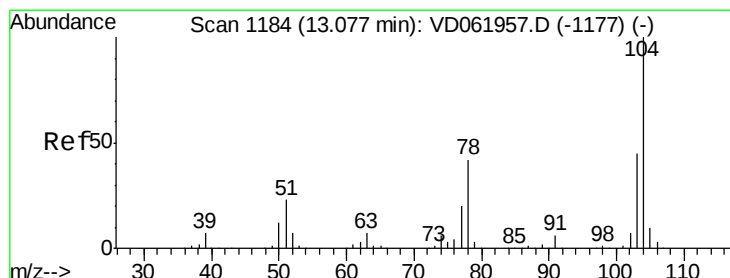
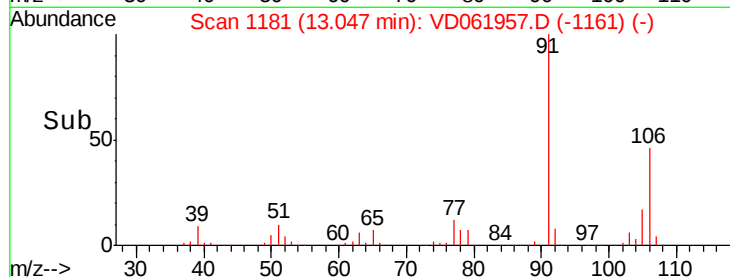
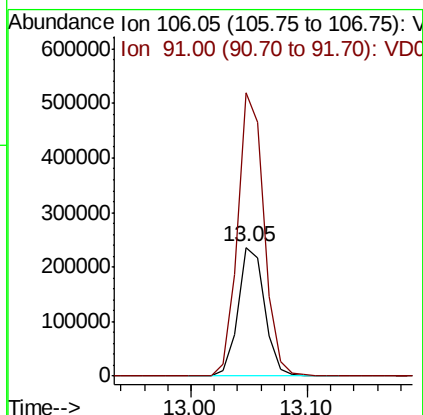
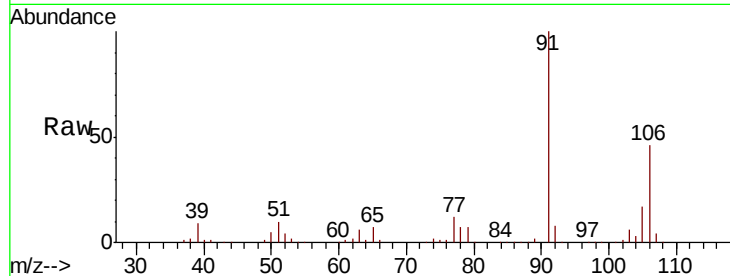




#69
o-Xylene
Concen: 49.102 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

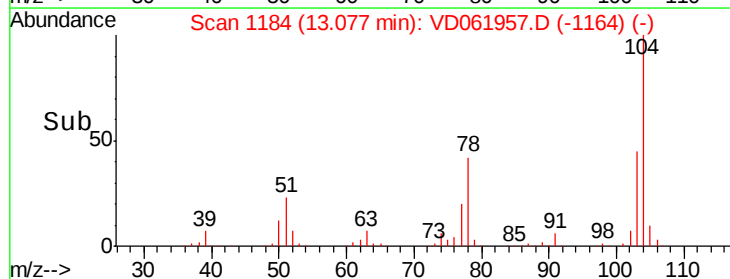
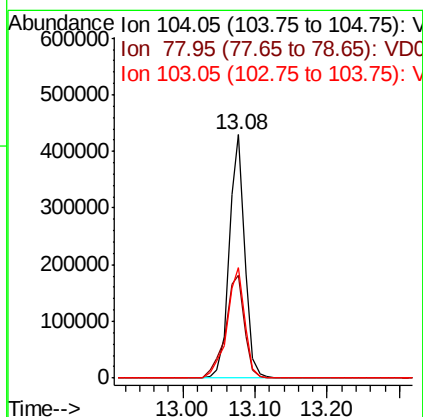
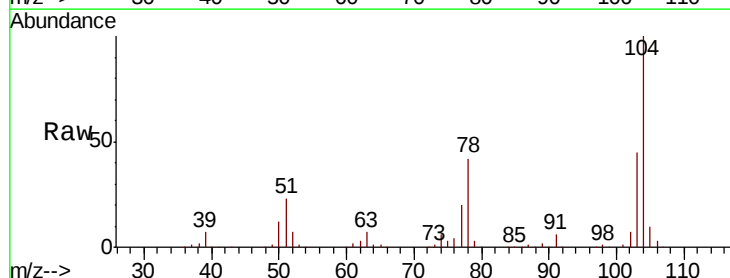
Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

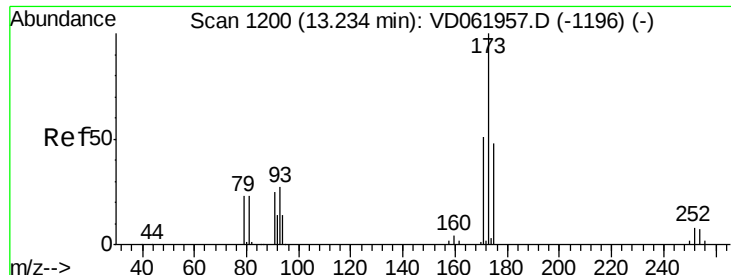
Tot Ion:106 Resp: 372948
Ion Ratio Lower Upper
106 100
91 219.7 106.7 319.9



#70
Styrene
Concen: 48.740 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion:104 Resp: 637053
Ion Ratio Lower Upper
104 100
78 42.3 35.4 53.2
103 45.4 37.5 56.3





#71

Bromoform

Concen: 55.195 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

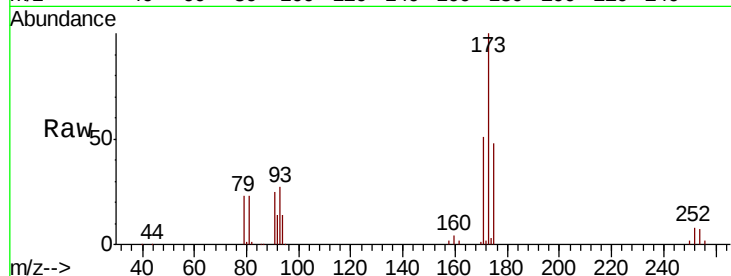
Tot Ion:173 Resp: 184439

Ion Ratio Lower Upper

173 100

175 48.4 24.4 73.4

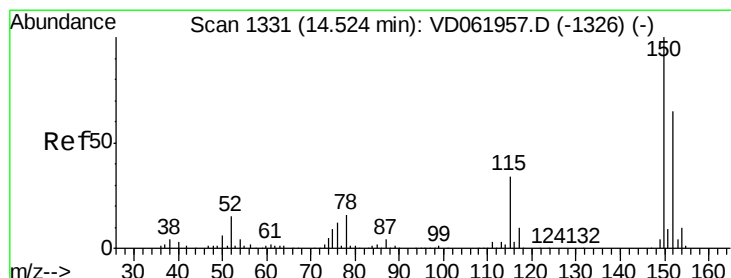
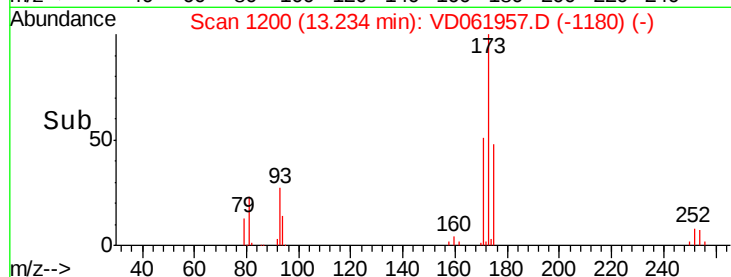
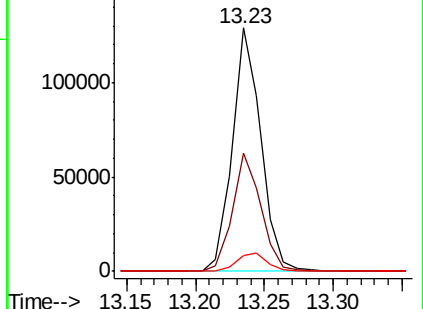
254 6.6 5.4 8.2



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# 1331

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

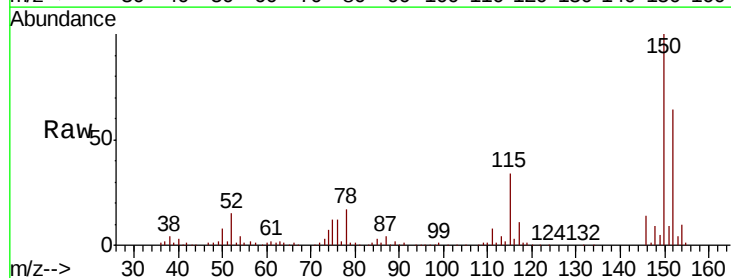
Tgt Ion:152 Resp: 347003

Ion Ratio Lower Upper

152 100

115 53.3 30.9 92.7

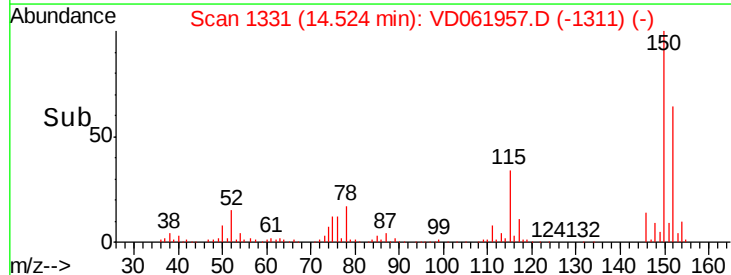
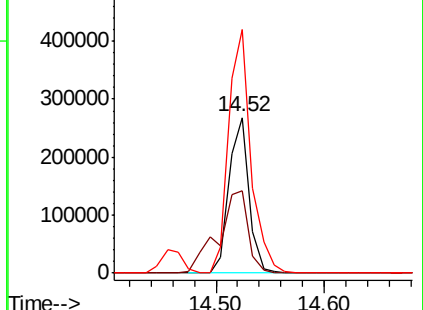
150 156.3 0.0 314.8

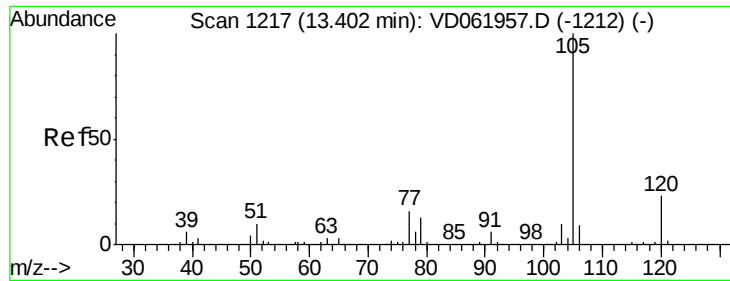


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.033 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

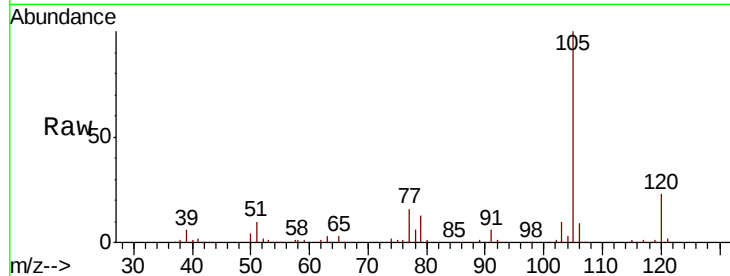
VSTDICCC050

Tot Ion:105 Resp: 990923

Ion Ratio Lower Upper

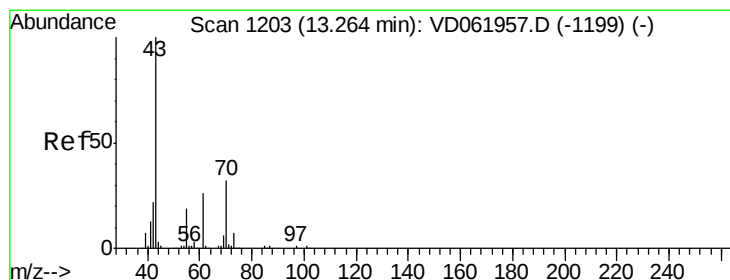
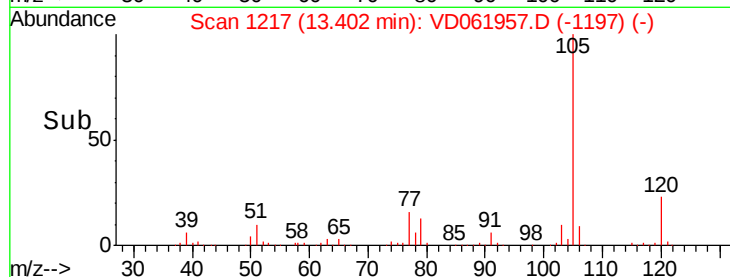
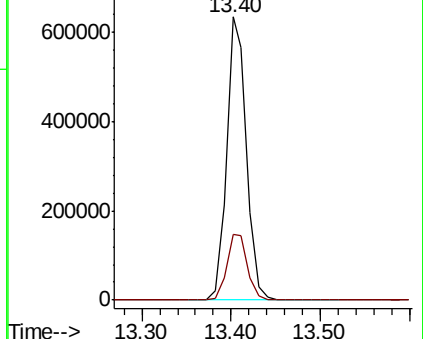
105 100

120 23.5 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-ethyl acetate

Concen: 46.546 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Tgt Ion: 43 Resp: 281675

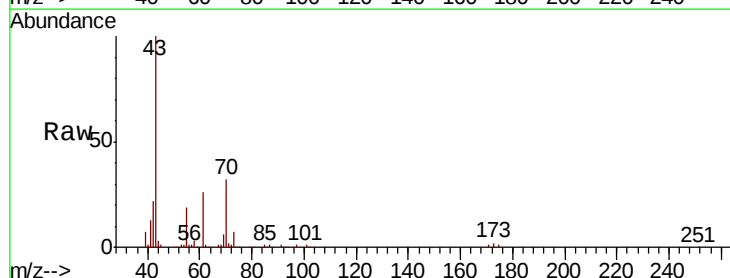
Ion Ratio Lower Upper

43 100

70 31.7 24.2 36.4

55 18.9 16.0 24.0

61 25.9 21.6 32.4

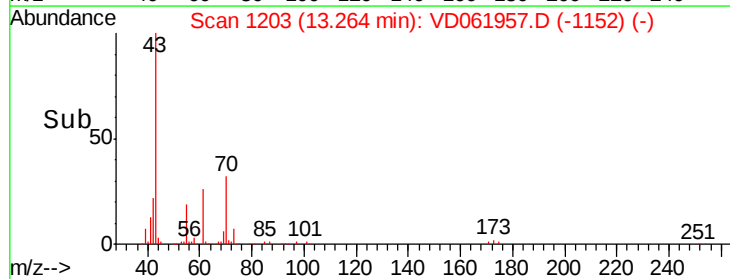
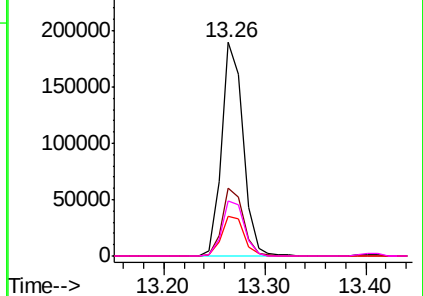


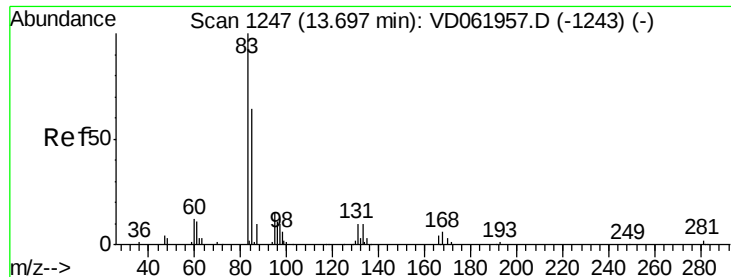
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 53.100 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

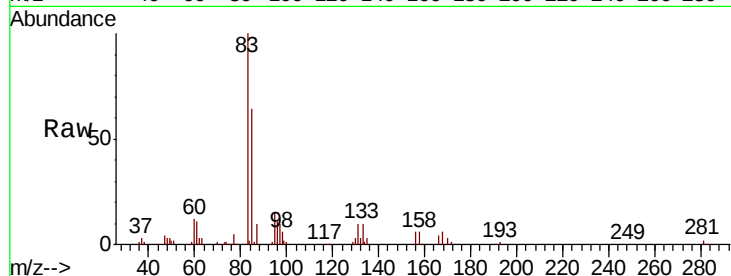
MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 236207

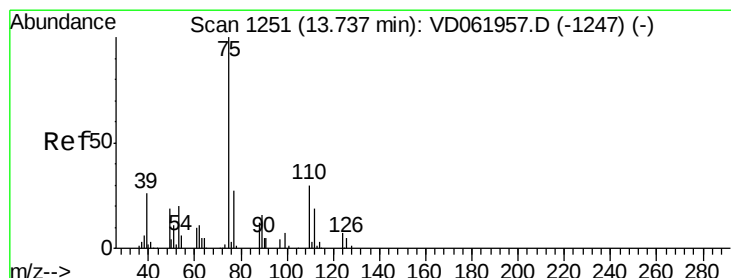
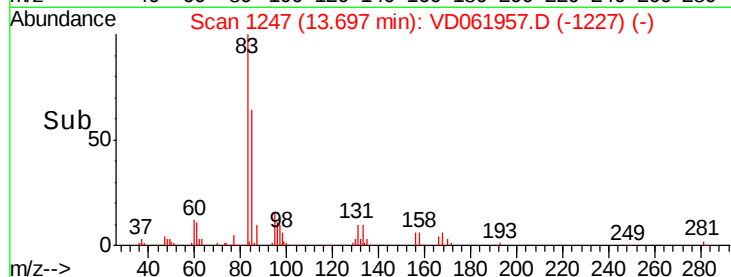
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	63.9	32.6	97.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 52.446 ug/l

RT: 13.74 min Scan# 1251

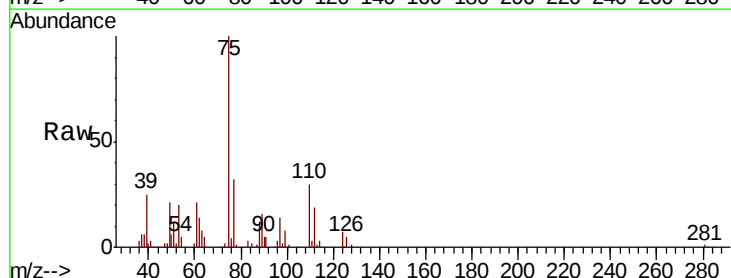
Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

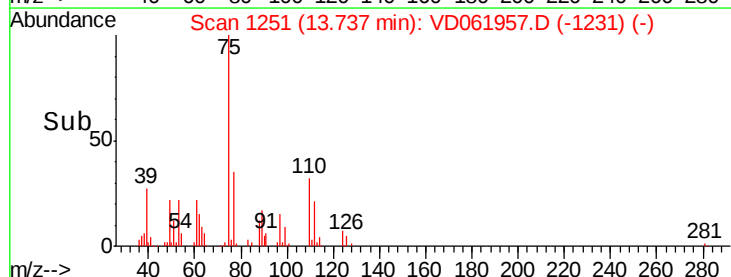
Tgt Ion: 75 Resp: 239001

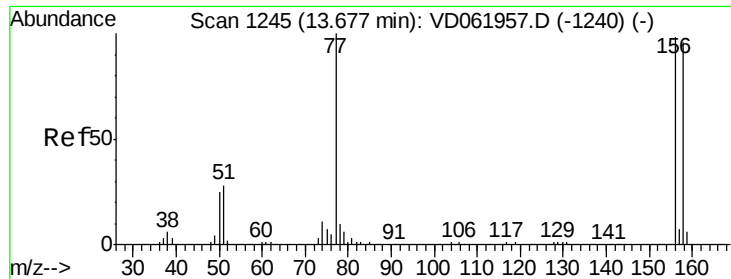
Ion	Ratio	Lower	Upper
75	100		
77	32.0	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.234 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

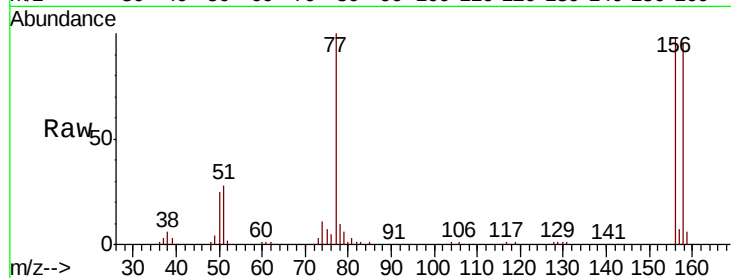
Tot Ion:156 Resp: 321129

Ion Ratio Lower Upper

156 100

77 102.4 53.1 159.4

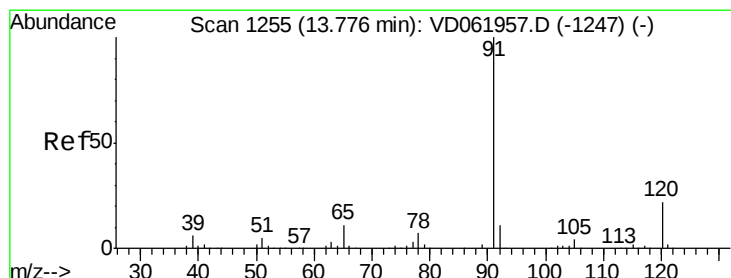
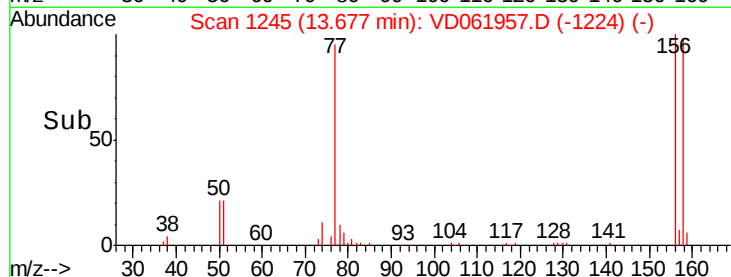
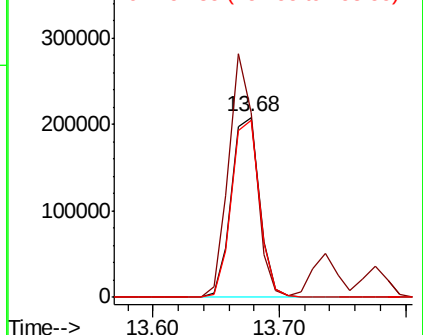
158 98.0 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.294 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061957.D

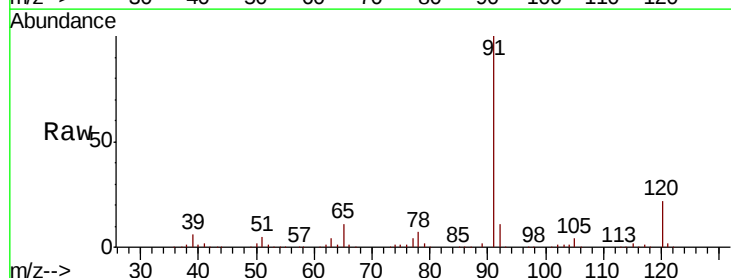
Acq: 23 Apr 2019 1:13

Tgt Ion: 91 Resp: 1307673

Ion Ratio Lower Upper

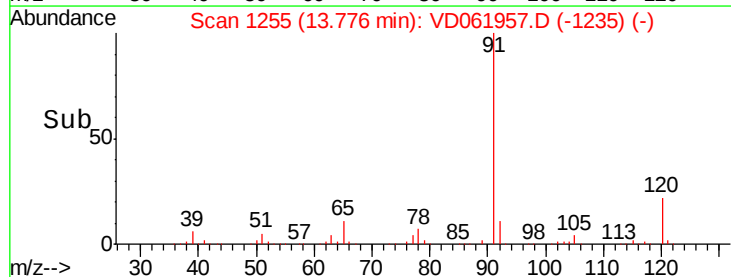
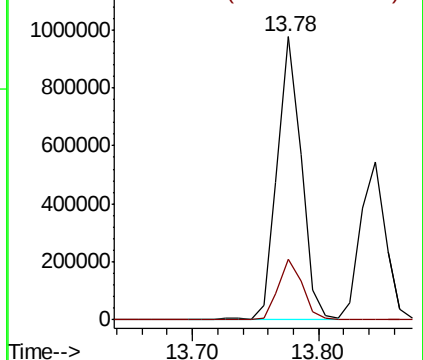
91 100

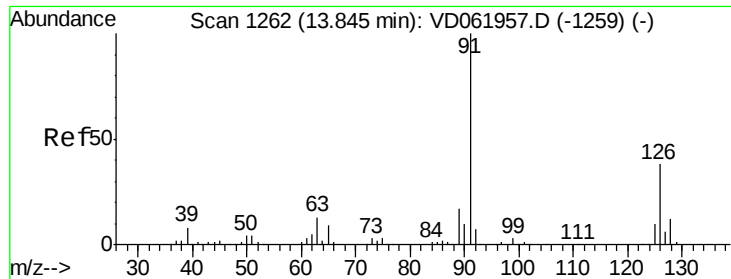
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

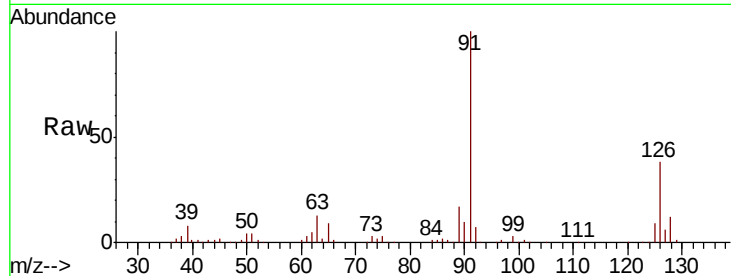




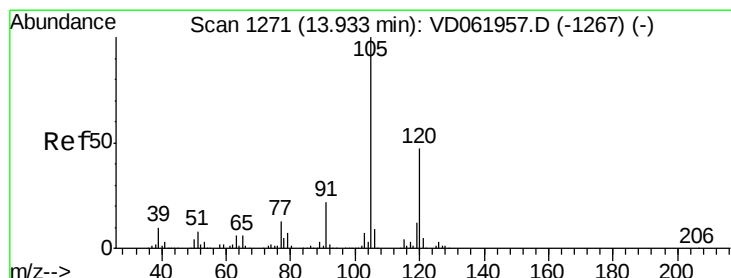
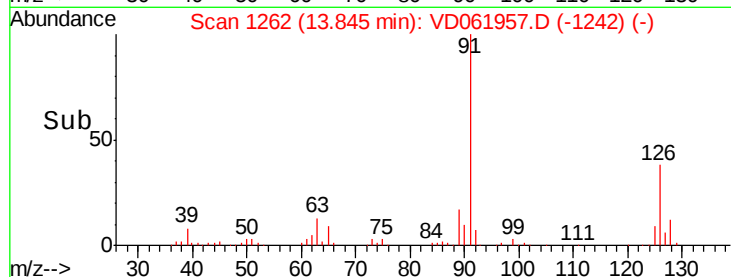
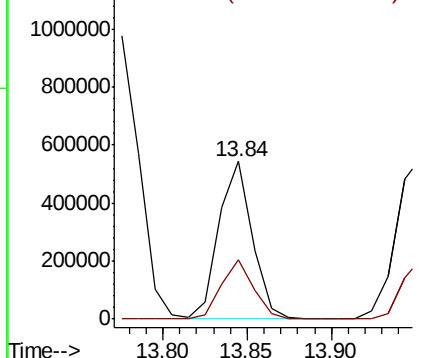
#79
 2-Chlorotoluene
 Concen: 49.186 ug/l
 RT: 13.84 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 747078
 Ion Ratio Lower Upper
 91 100
 126 37.9 18.6 55.8

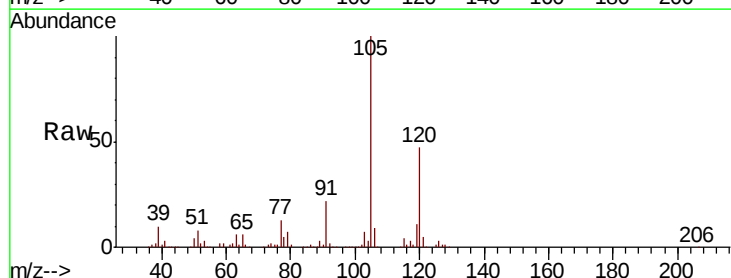


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

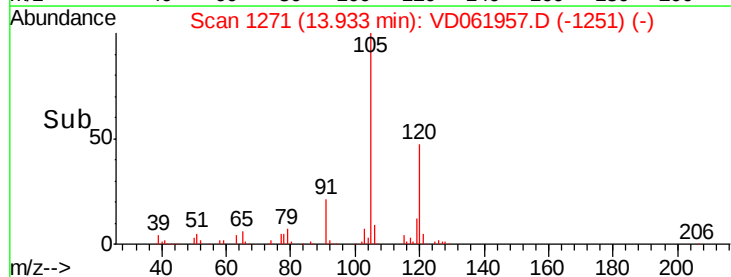
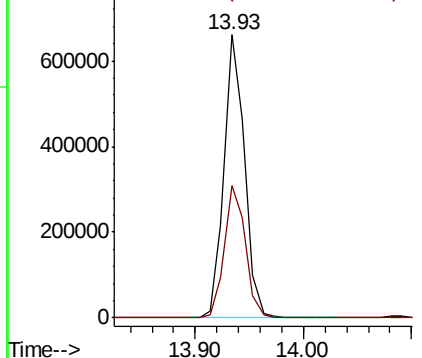


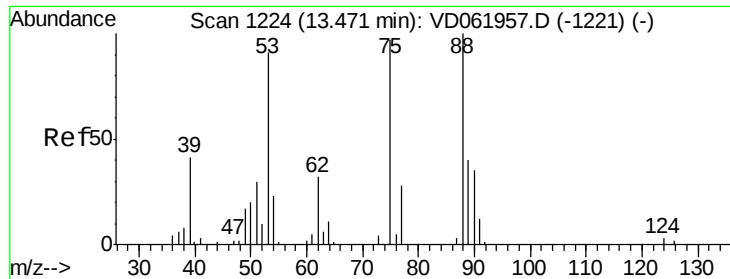
#80
 1,3,5-Trimethylbenzene
 Concen: 48.678 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 105 Resp: 869204
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.450 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

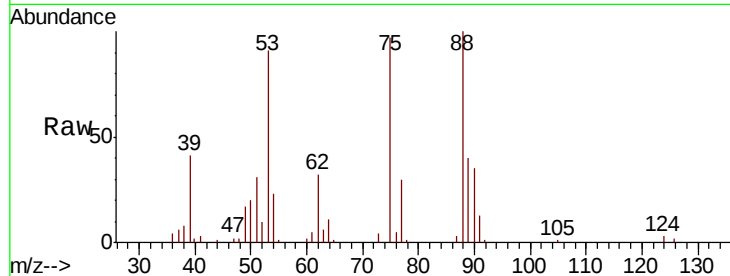
Tot Ion: 75 Resp: 71401

Ion Ratio Lower Upper

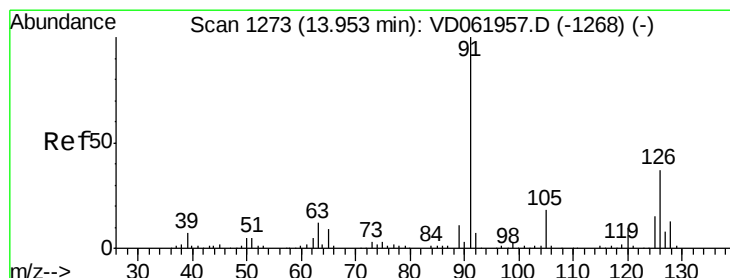
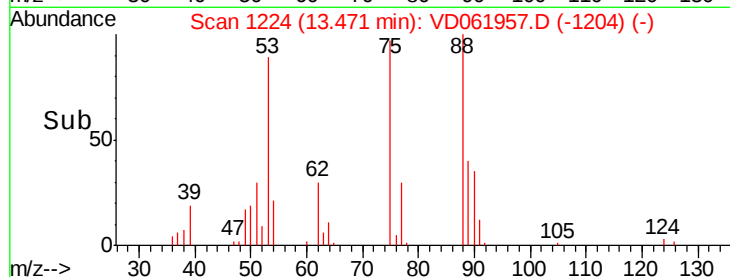
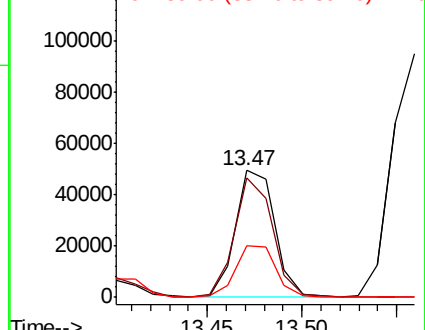
75 100

53 94.0 65.8 98.8

89 41.2 35.0 52.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 47.949 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD061957.D

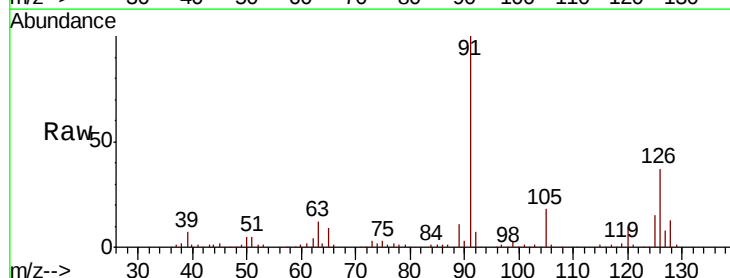
Acq: 23 Apr 2019 1:13

Tgt Ion: 91 Resp: 833607

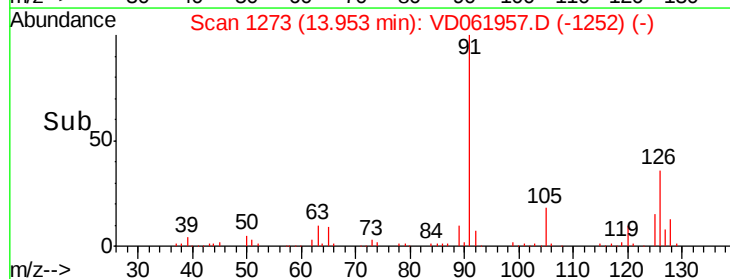
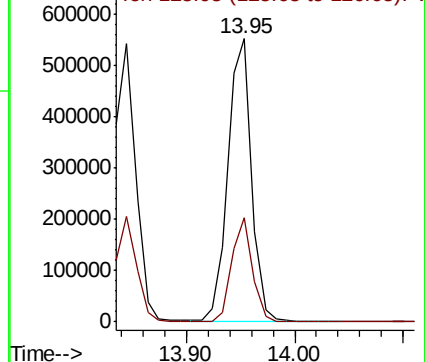
Ion Ratio Lower Upper

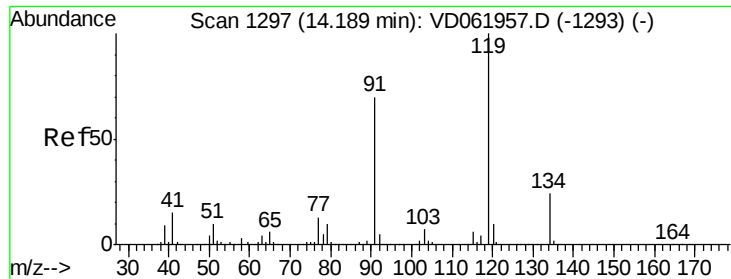
91 100

126 36.6 19.1 57.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

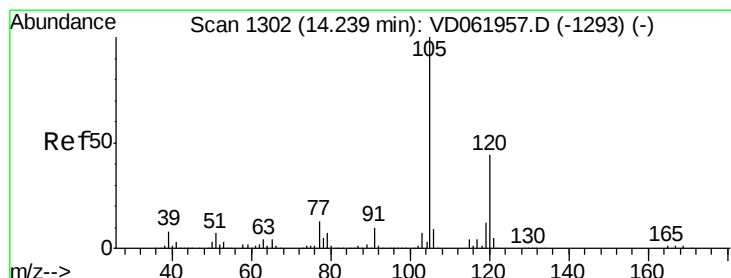
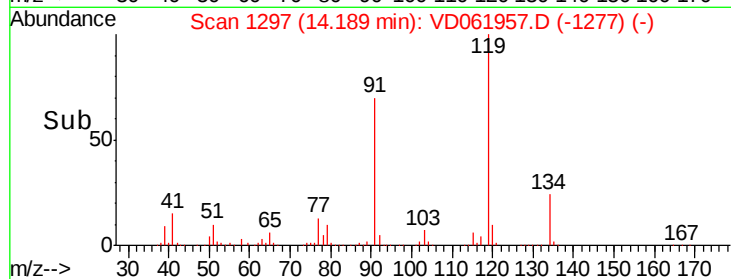
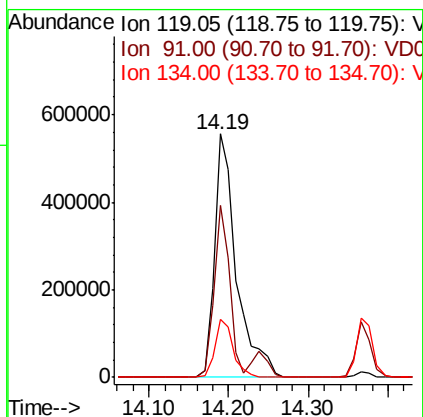
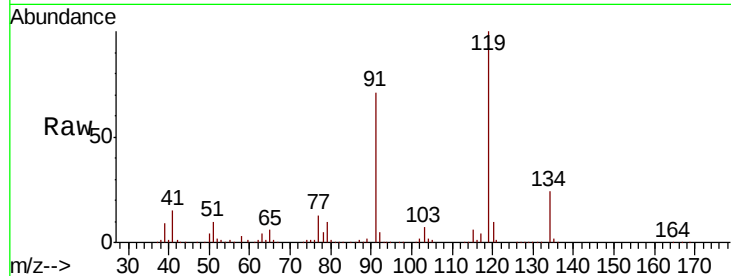




#83
 tert-Butylbenzene
 Concen: 51.133 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

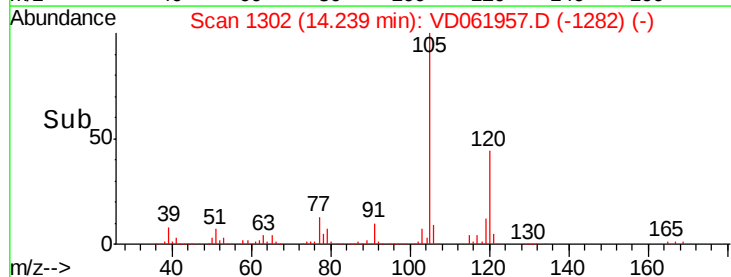
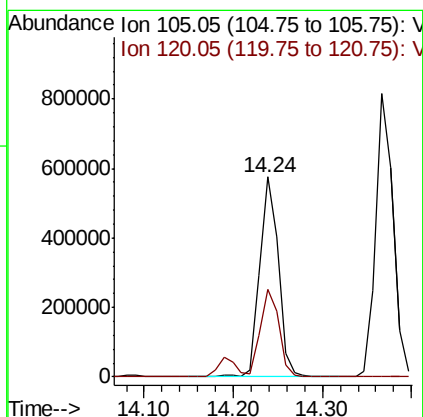
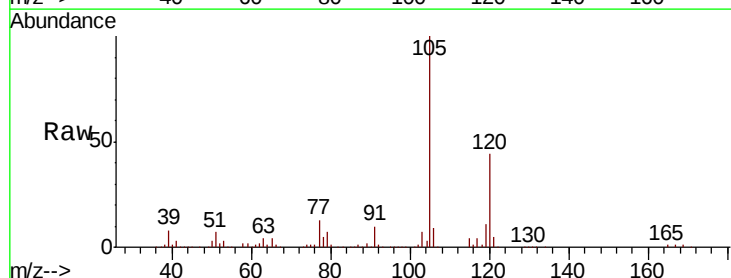
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

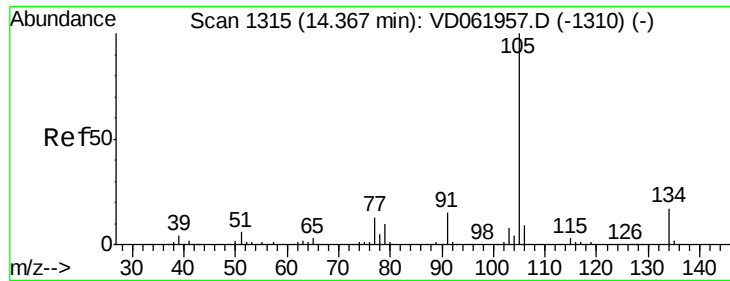
Tot Ion:119 Resp: 1072078
 Ion Ratio Lower Upper
 119 100
 91 70.5 34.2 102.6
 134 23.8 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 45.775 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion:105 Resp: 821625
 Ion Ratio Lower Upper
 105 100
 120 44.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 50.043 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

Instrument :

MSVOA_D

ClientSampleId :

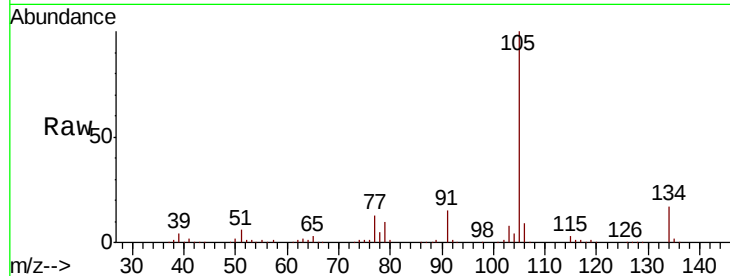
VSTDICCC050

Tot Ion:105 Resp: 1084667

Ion Ratio Lower Upper

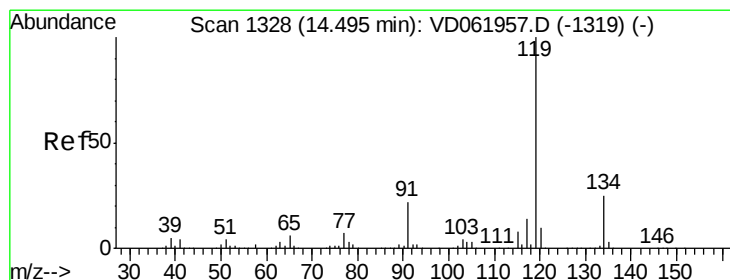
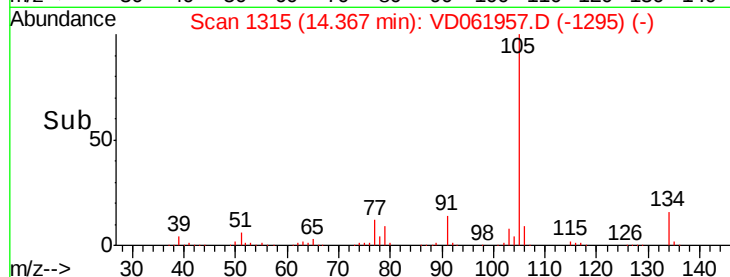
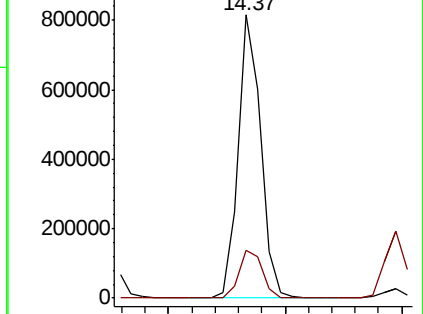
105 100

134 16.8 8.9 26.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 47.742 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.00 min

Lab File: VD061957.D

Acq: 23 Apr 2019 1:13

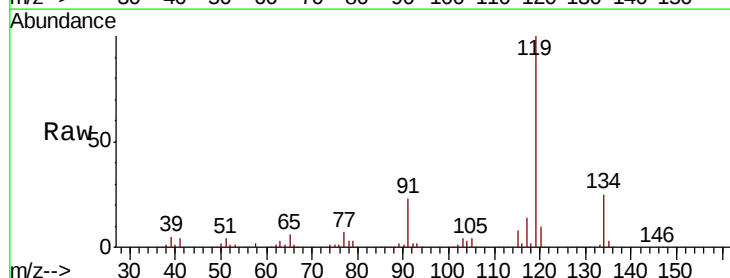
Tgt Ion:119 Resp: 968188

Ion Ratio Lower Upper

119 100

134 24.8 12.8 38.3

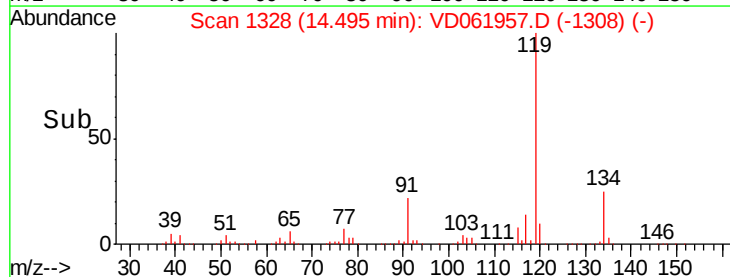
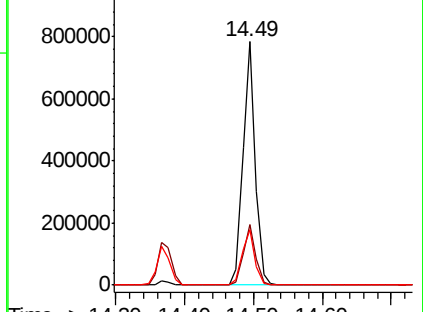
91 22.6 10.7 32.1

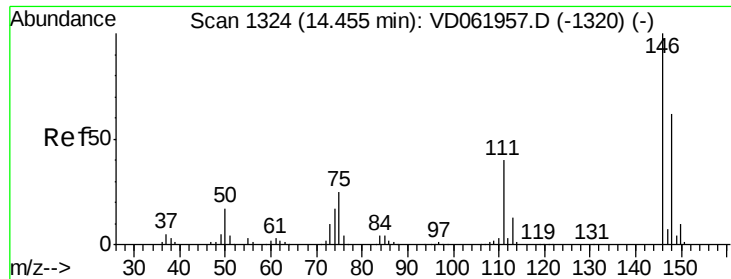


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

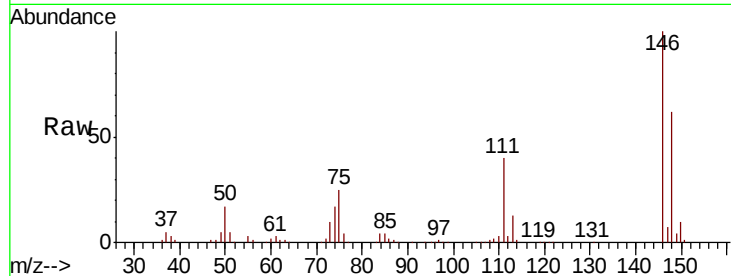




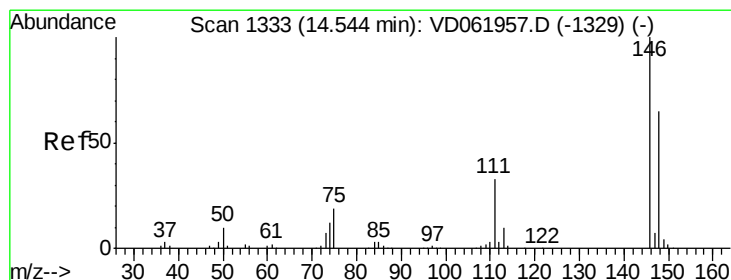
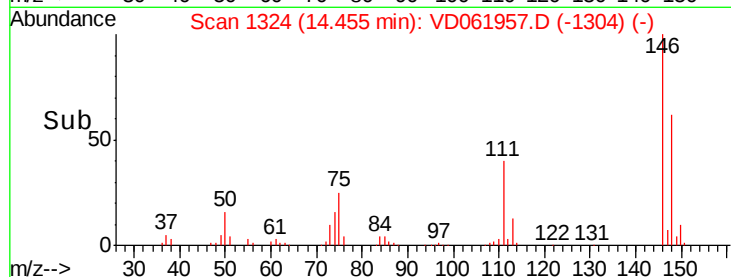
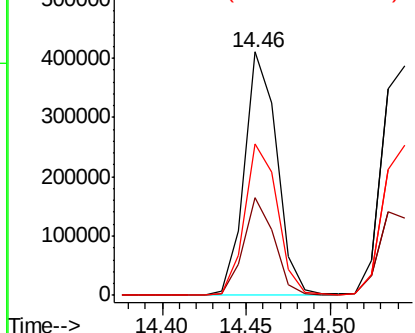
#87
 1,3-Dichlorobenzene
 Concen: 49.210 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 549185
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.0 60.0
 148 62.1 31.8 95.4

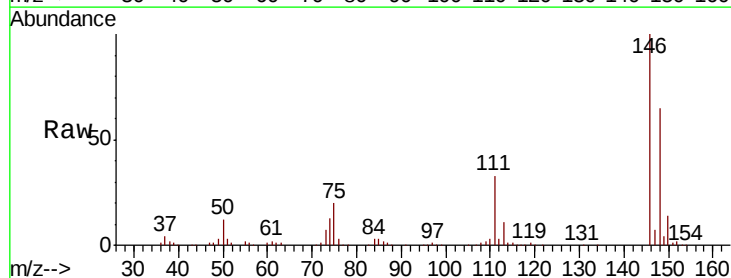


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

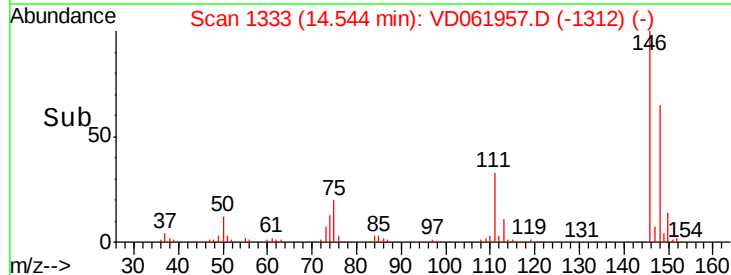
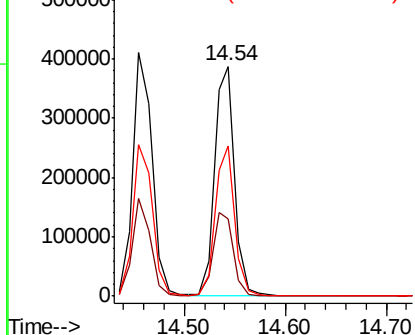


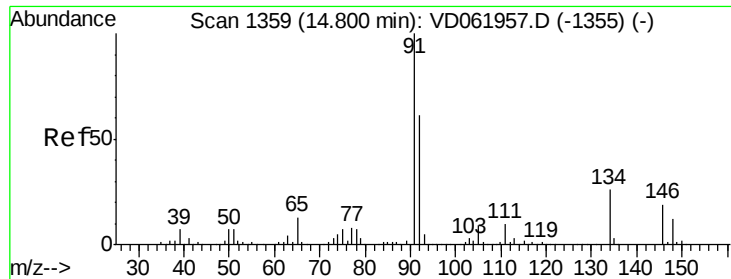
#88
 1,4-Dichlorobenzene
 Concen: 48.711 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion:146 Resp: 537368
 Ion Ratio Lower Upper
 146 100
 111 33.5 20.2 60.5
 148 65.2 32.0 96.2



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

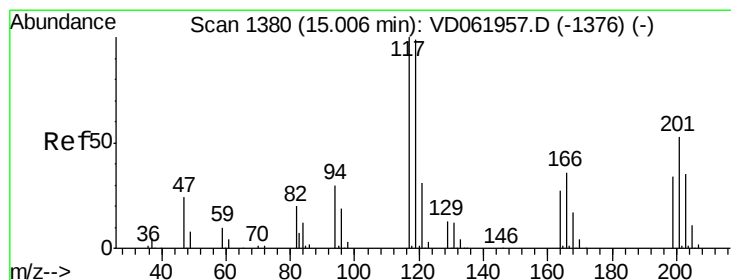
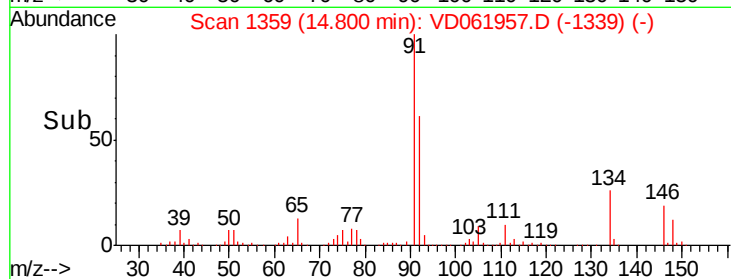
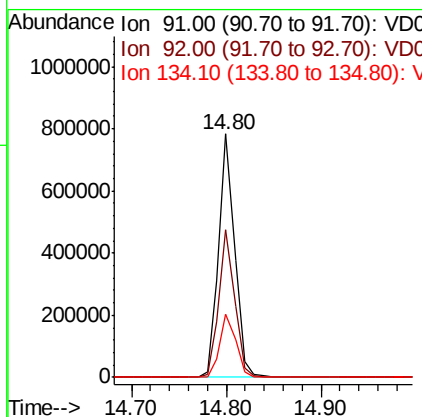
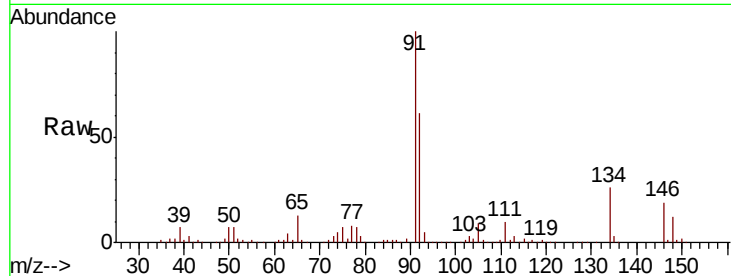




#89
n-Butylbenzene
Concen: 51.225 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

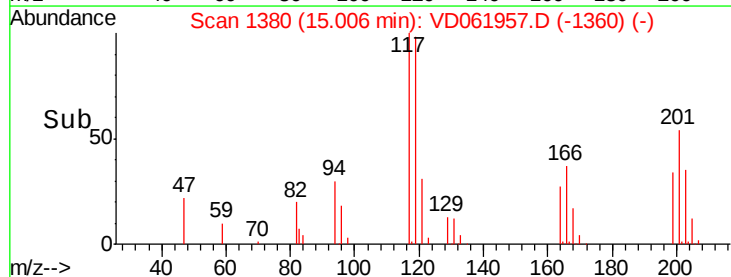
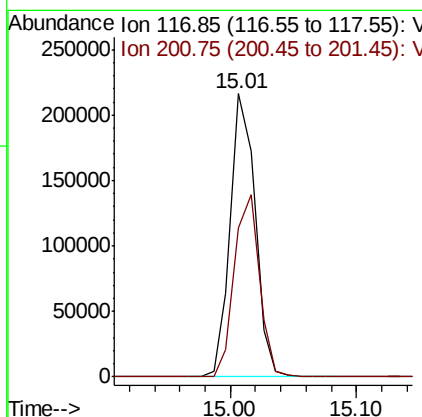
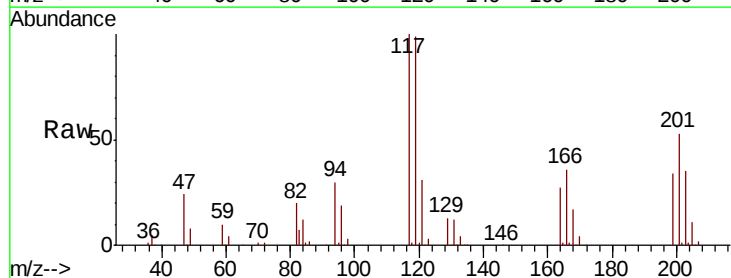
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

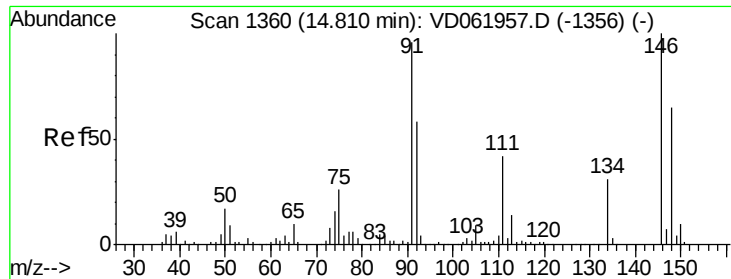
Tot Ion: 91 Resp: 919545
Ion Ratio Lower Upper
91 100
92 60.7 30.3 91.0
134 26.1 14.5 43.6



#90
Hexachloroethane
Concen: 53.252 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion: 117 Resp: 294350
Ion Ratio Lower Upper
117 100
201 52.8 30.2 90.6

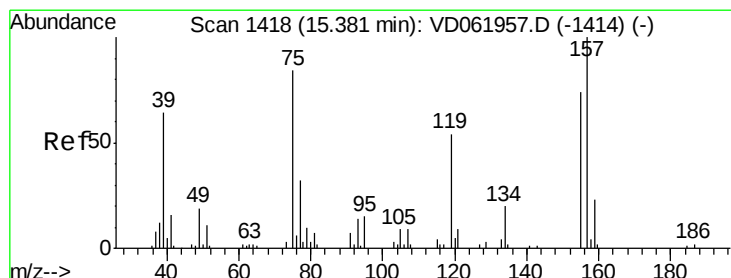
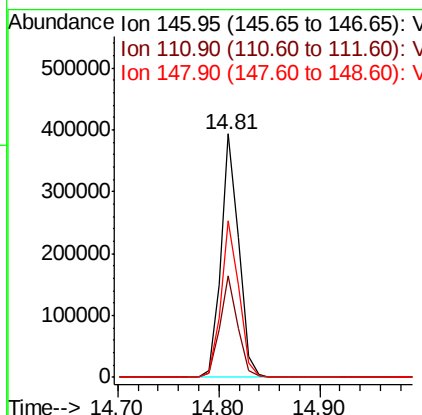
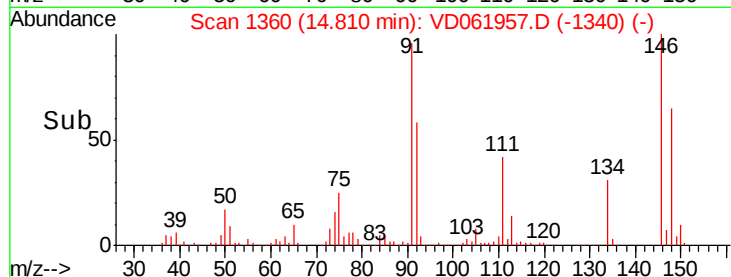
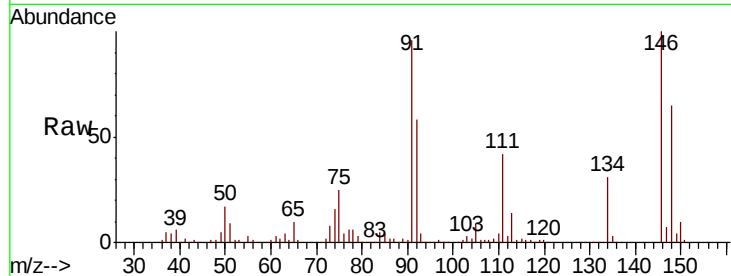




#91
 1,2-Dichlorobenzene
 Concen: 51.951 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

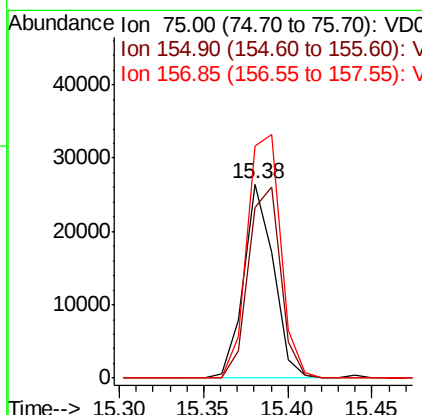
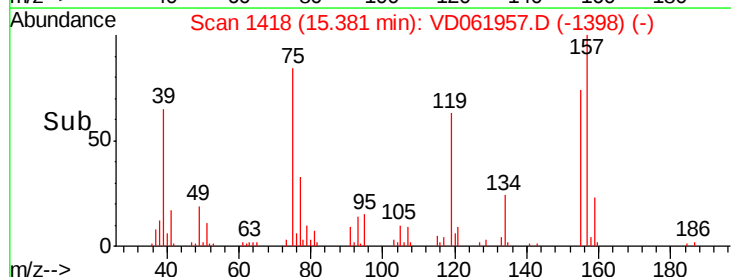
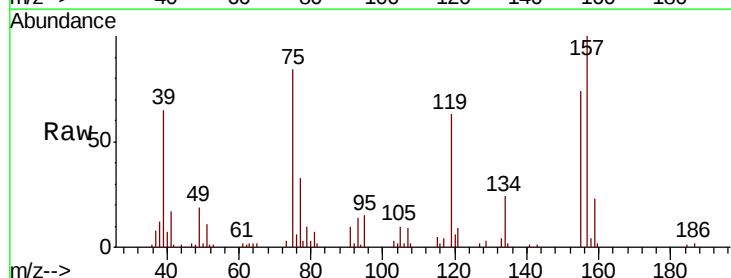
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

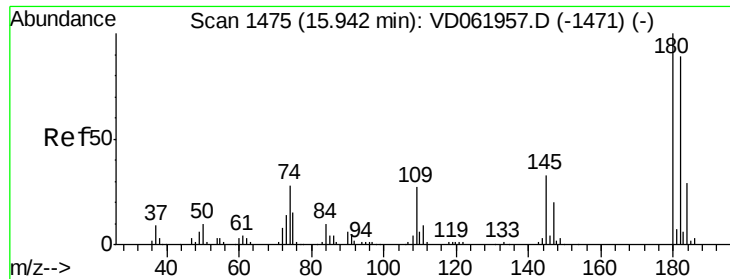
Tot Ion:146 Resp: 485640
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.0 59.9
 148 64.5 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.607 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion: 75 Resp: 32540
 Ion Ratio Lower Upper
 75 100
 155 87.9 55.3 165.8
 157 119.6 67.8 203.2

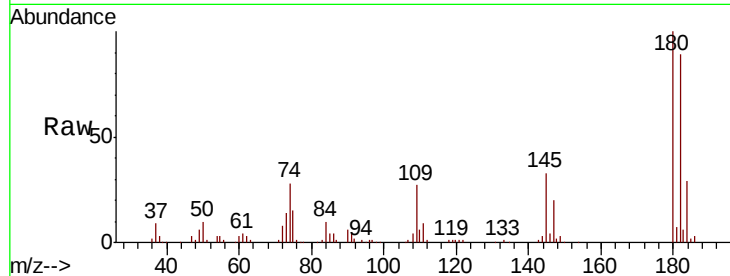




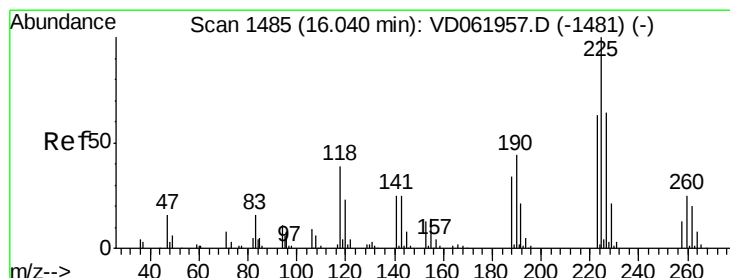
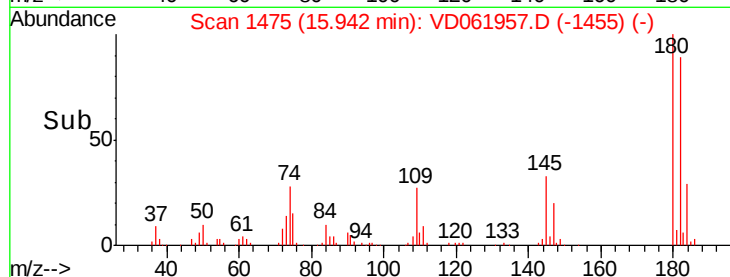
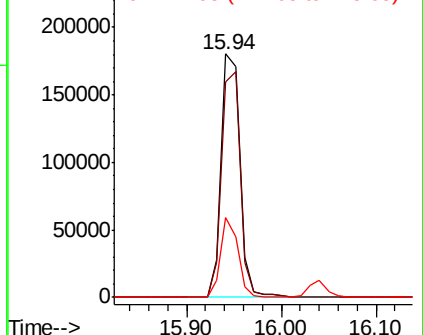
#93
 1,2,4-Trichlorobenzene
 Concen: 48.448 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 248746
 Ion Ratio Lower Upper
 180 100
 182 88.6 49.3 147.8
 145 32.7 16.2 48.6

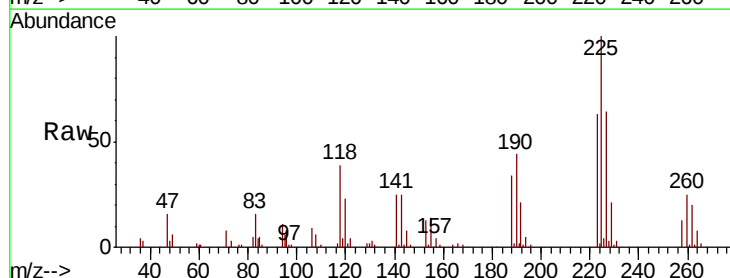


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

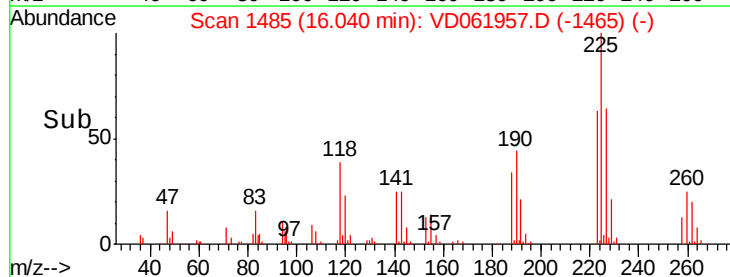
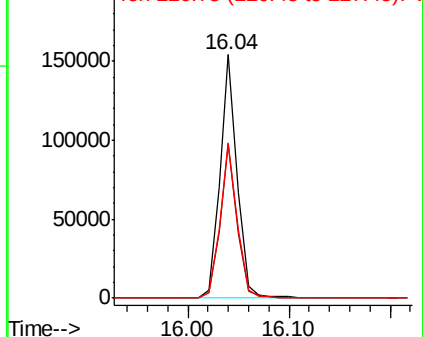


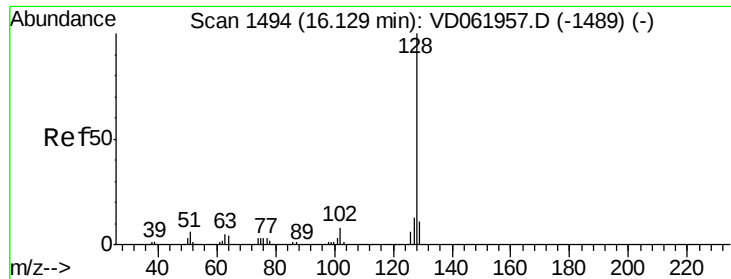
#94
 Hexachlorobutadiene
 Concen: 49.440 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061957.D
 Acq: 23 Apr 2019 1:13

Tgt Ion:225 Resp: 183956
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.6 92.0
 227 63.8 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

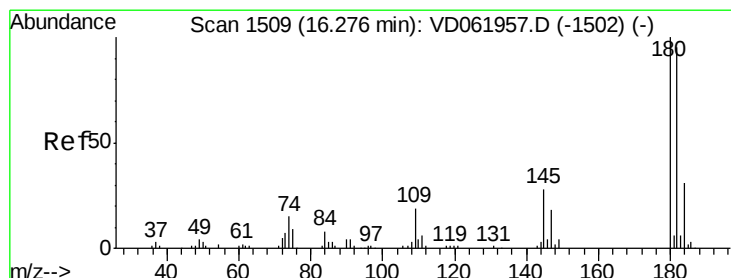
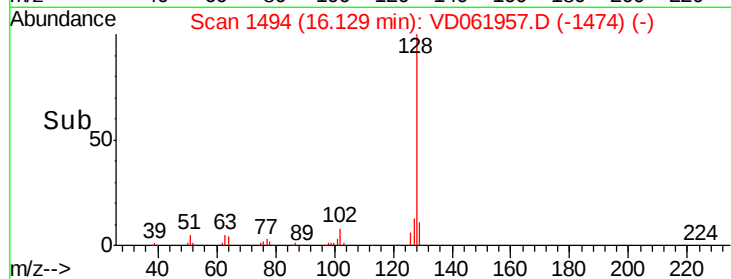
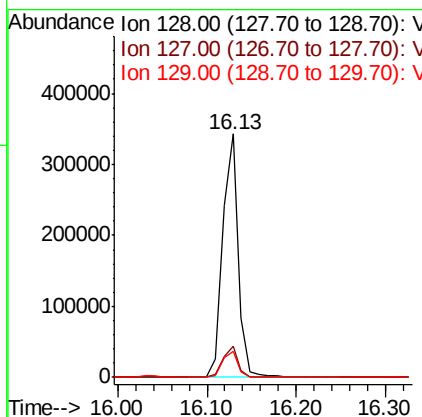
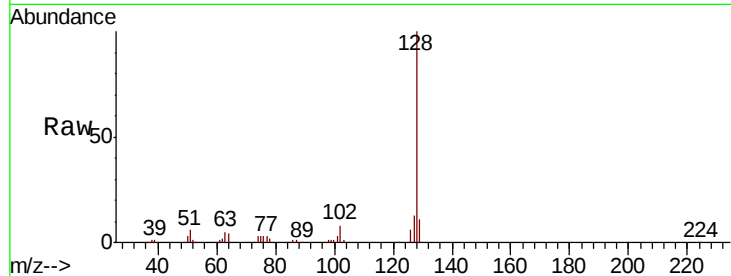




#95
Naphthalene
Concen: 53.804 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 423411
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 49.882 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061957.D
Acq: 23 Apr 2019 1:13

Tgt Ion:180 Resp: 145947
Ion Ratio Lower Upper
180 100
182 95.4 47.0 141.0
145 28.0 17.0 51.0

