

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060114.D
 Acq On : 3 Oct 2018 12:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 04 04:23:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1649063	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	2267681	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1827520	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	938076	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	660126	52.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	6.32	113	915341	53.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	9.45	98	2635662	53.67	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.42	95	967504	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	840029	54.153	ug/l	99
3) Chloromethane	1.75	50	769198	54.991	ug/l	99
4) Vinyl Chloride	1.84	62	630258	55.058	ug/l	98
5) Bromomethane	2.14	94	106324	73.972	ug/l	90
6) Chloroethane	2.25	64	191123	61.183	ug/l	98
7) Trichlorofluoromethane	2.50	101	750163	54.730	ug/l	98
8) Diethyl Ether	2.82	74	160222	56.847	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.08	101	473898	55.499	ug/l	97
10) Methyl Iodide	3.24	142	509960	56.316	ug/l	100
11) Tert butyl alcohol	3.96	59	238949	266.538	ug/l	98
12) 1,1-Dichloroethene	3.06	96	383219	56.968	ug/l	95
13) Acrolein	2.97	56	124021	224.415	ug/l	99
14) Allyl chloride	3.53	41	768124	54.979	ug/l	99
15) Acrylonitrile	4.08	53	1007860	271.610	ug/l	98
16) Acetone	3.15	43	650678	286.870	ug/l	100
17) Carbon Disulfide	3.31	76	1285268	56.816	ug/l	98
18) Methyl Acetate	3.54	43	272851	55.968	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	1587208	53.664	ug/l	99
20) Methylene Chloride	3.71	84	1038907	58.961	ug/l	97
21) trans-1,2-Dichloroethene	4.09	96	912070	52.497	ug/l	98
22) Diisopropyl ether	4.84	45	3338794	53.511	ug/l	93
23) Vinyl Acetate	4.79	43	9488939	270.553	ug/l	100
24) 1,1-Dichloroethane	4.75	63	1479246	52.288	ug/l	100
25) 2-Butanone	5.61	43	1608524	283.865	ug/l	99
26) 2,2-Dichloropropane	5.58	77	1186935	55.344	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	964899	52.419	ug/l	93
28) Bromochloromethane	5.92	49	732225	53.262	ug/l	96
29) Tetrahydrofuran	5.95	42	857823	260.626	ug/l	99
30) Chloroform	6.09	83	1553524	54.287	ug/l	97
31) Cyclohexane	6.36	56	1393659	51.462	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	1262491	53.848	ug/l	100
36) 1,1-Dichloropropene	6.52	75	1145342	52.855	ug/l	98
37) Ethyl Acetate	5.69	43	749978	52.142	ug/l	100
38) Carbon Tetrachloride	6.49	117	1076507	54.735	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1277547	51.888	ug/l	98
40) Benzene	6.78	78	2960703	52.225	ug/l	100
41) Methacrylonitrile	5.94	41	863463	106.209	ug/l #	95
42) 1,2-Dichloroethane	6.89	62	851091	52.364	ug/l	100
43) Isopropyl Acetate	8.35	43	1014779	53.627	ug/l	98
44) Trichloroethene	7.74	130	923339	52.614	ug/l	97
45) 1,2-Dichloropropane	8.10	63	774630	52.184	ug/l	100
46) Dibromomethane	8.21	93	513339	53.415	ug/l	96
47) Bromodichloromethane	8.48	83	1112890	54.348	ug/l	100
48) Methyl methacrylate	8.24	41	593822	55.091	ug/l	99
49) 1,4-Dioxane	8.22	88	115763	1091.533	ug/l	91
51) 4-Methyl-2-Pentanone	9.34	43	3249630	272.269	ug/l	99
52) Toluene	9.55	92	1902726	52.114	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	1010729	54.550	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1230825	53.795	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	645235	54.058	ug/l	99
56) Ethyl methacrylate	10.03	69	734189	55.723	ug/l	99
57) 1,3-Dichloropropane	10.38	76	955218	52.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1820376	248.802	ug/l	97
59) 2-Hexanone	10.48	43	2388008	278.242	ug/l	100
60) Dibromochloromethane	10.64	129	797392	54.449	ug/l	96
61) 1,2-Dibromoethane	10.76	107	674587	53.191	ug/l	99
64) Tetrachloroethene	10.25	164	844577	52.765	ug/l	98
65) Chlorobenzene	11.31	112	2060934	52.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	709667	53.807	ug/l	98
67) Ethyl Benzene	11.43	91	3361381	52.476	ug/l	99
68) m/p-Xylenes	11.57	106	2445412	102.175	ug/l	99
69) o-Xylene	11.93	106	1258042	53.142	ug/l	94
70) Styrene	11.96	104	2114134	53.402	ug/l	98
71) Bromoform	12.12	173	609281	57.049	ug/l	99
73) Isopropylbenzene	12.27	105	3225679	52.122	ug/l	99
74) N-amyl acetate	12.14	43	1304808	57.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	729636	54.004	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	752703	55.717	ug/l	100
77) Bromobenzene	12.54	156	962201	53.504	ug/l	90
78) n-propylbenzene	12.64	91	4065255	52.902	ug/l	96
79) 2-Chlorotoluene	12.71	91	2307199	54.097	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	2591768	54.111	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	227500	59.932	ug/l	96
82) 4-Chlorotoluene	12.80	91	2592335	53.739	ug/l	95
83) tert-Butylbenzene	13.04	119	2991396	54.424	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2634381	52.186	ug/l	97
85) sec-Butylbenzene	13.22	105	3463856	53.300	ug/l	98
86) p-Isopropyltoluene	13.34	119	2760558	51.789	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1667495	53.219	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	1622174	51.544	ug/l	97
89) n-Butylbenzene	13.64	91	2789357	53.629	ug/l	99
90) Hexachloroethane	13.86	117	716721	58.098	ug/l	76
91) 1,2-Dichlorobenzene	13.66	146	1409854	53.514	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	104427	57.887	ug/l	79

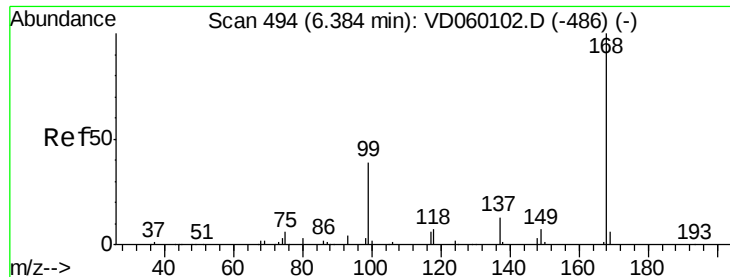
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1194002	53.395	ug/l	98
94) Hexachlorobutadiene	14.88	225	795772	53.537	ug/l	99
95) Naphthalene	14.97	128	1796331	54.193	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1024955	52.690	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

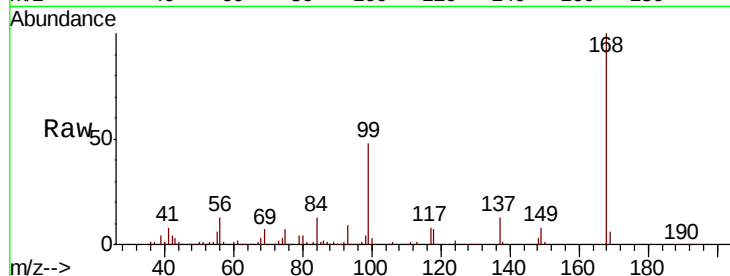
VSTDCCC050

Tot Ion:168 Resp: 1649063

Ion Ratio Lower Upper

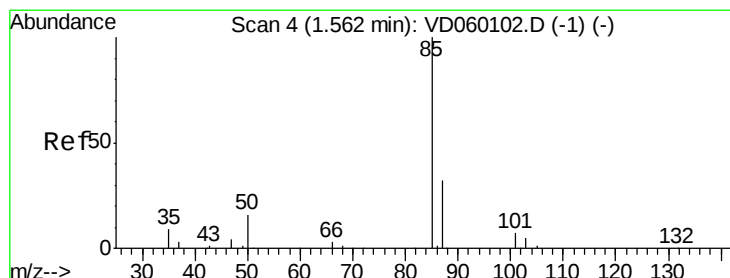
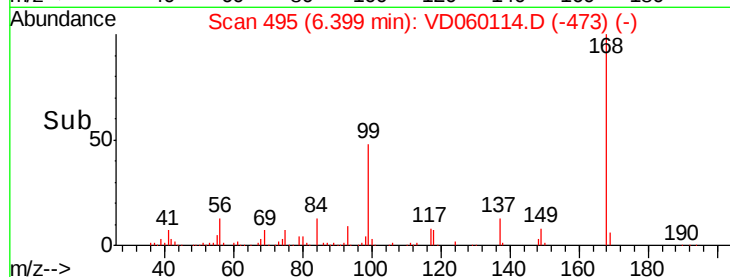
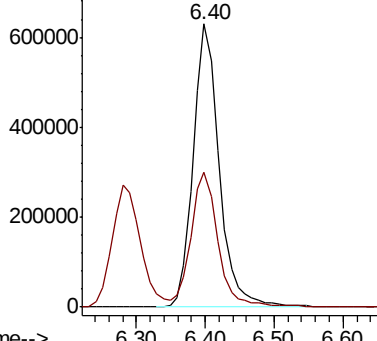
168 100

99 47.7 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 54.153 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060114.D

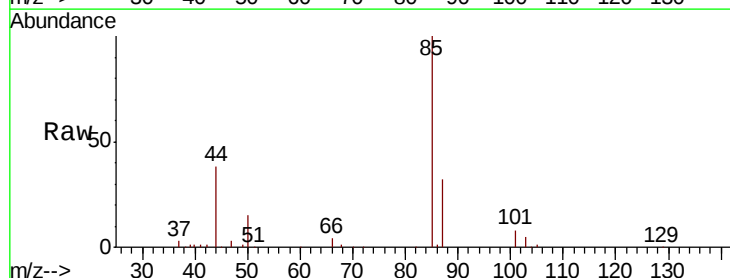
Acq: 3 Oct 2018 12:08

Tgt Ion: 85 Resp: 840029

Ion Ratio Lower Upper

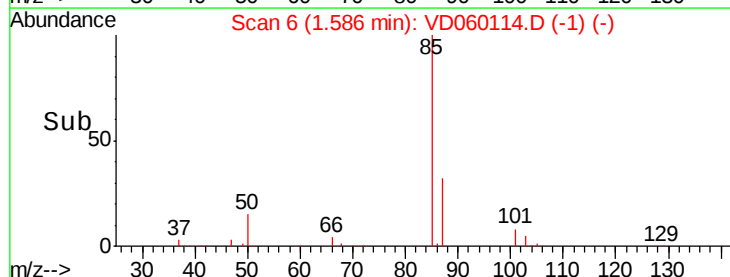
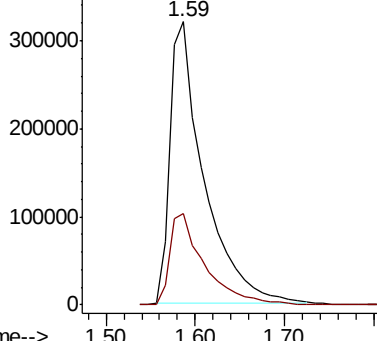
85 100

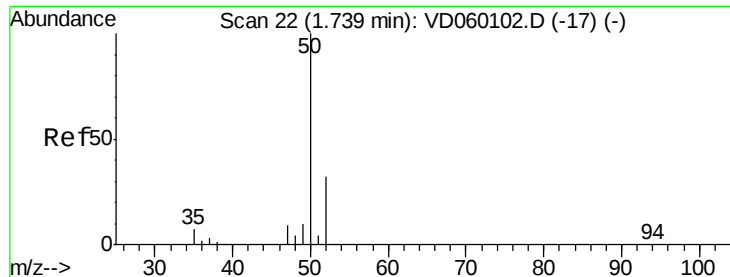
87 32.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.991 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

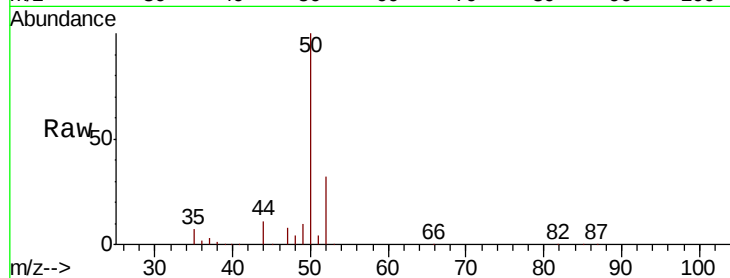
VSTDCCC050

Tot Ion: 50 Resp: 769198

Ion Ratio Lower Upper

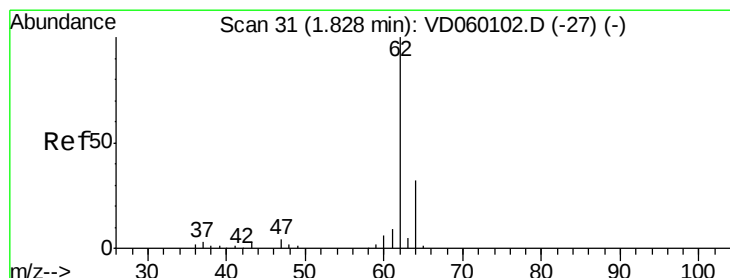
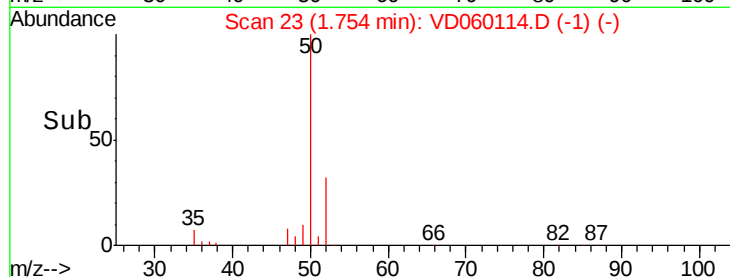
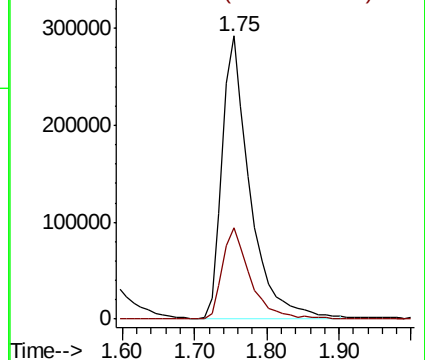
50 100

52 32.3 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 55.058 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060114.D

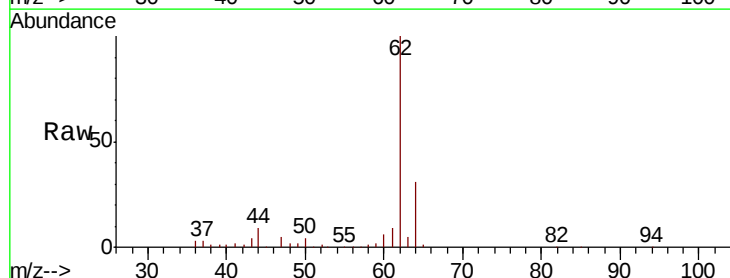
Acq: 3 Oct 2018 12:08

Tgt Ion: 62 Resp: 630258

Ion Ratio Lower Upper

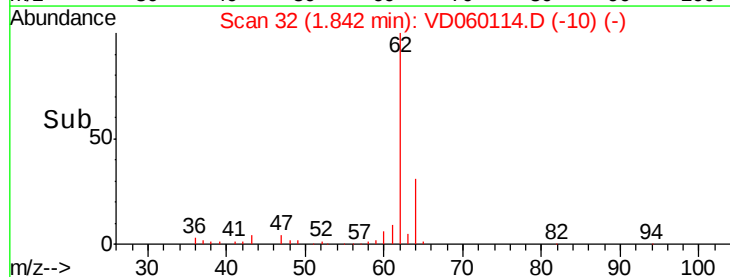
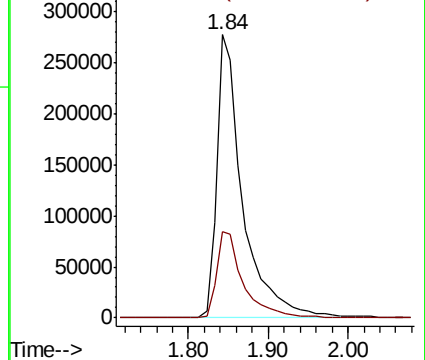
62 100

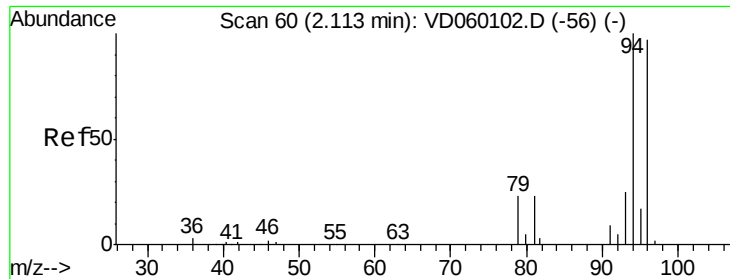
64 30.6 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

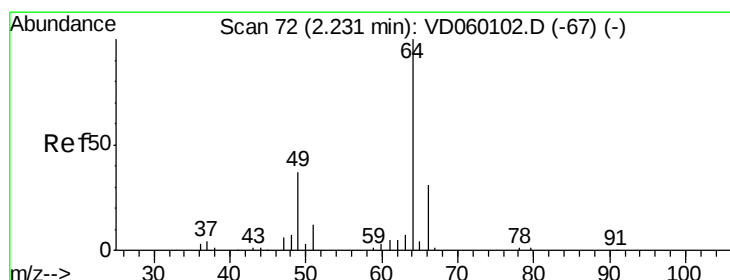
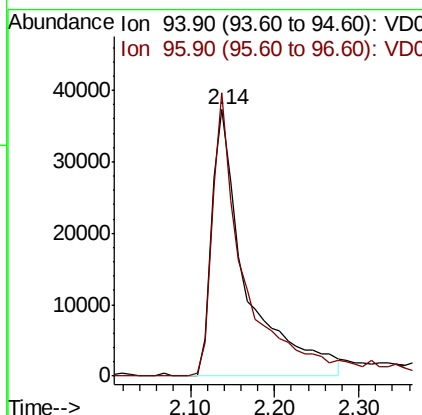
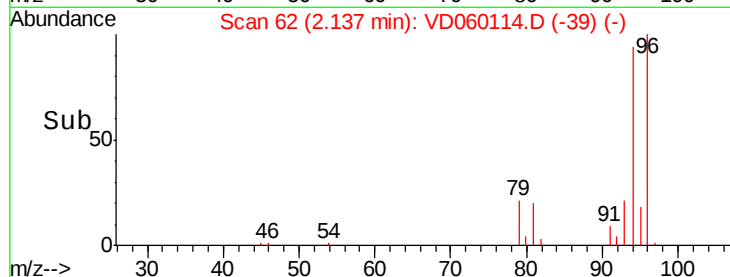
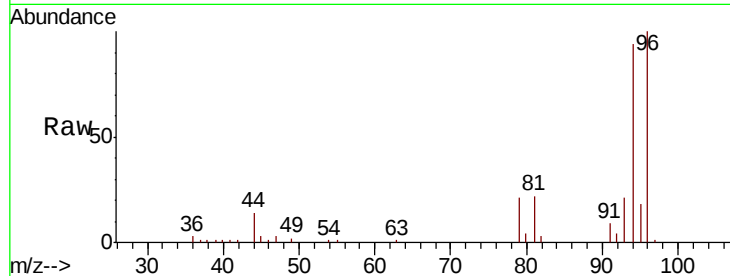




#5
Bromomethane
Concen: 73.972 ug/l
RT: 2.14 min Scan# 62
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

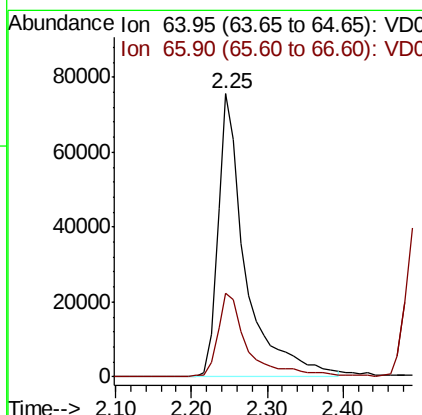
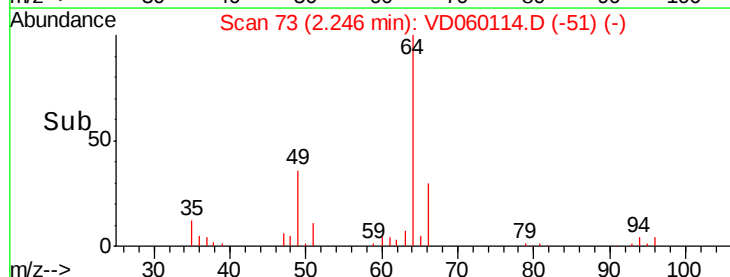
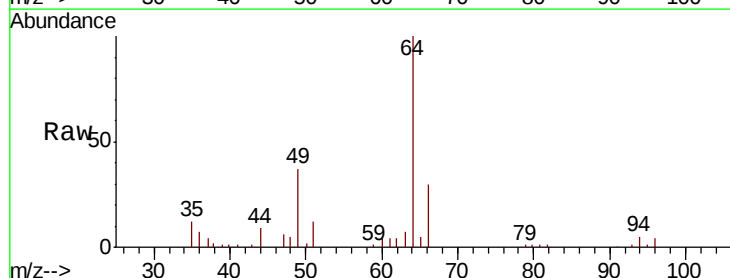
Instrument :
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VSTDCCC050

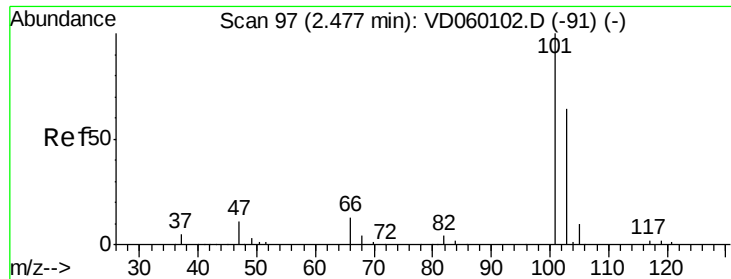
Tot Ion: 94 Resp: 106324
Ion Ratio Lower Upper
94 100
96 106.2 77.4 116.2



#6
Chloroethane
Concen: 61.183 ug/l
RT: 2.25 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 64 Resp: 191123
Ion Ratio Lower Upper
64 100
66 29.8 24.6 37.0





#7

Trichlorofluoromethane

Concen: 54.730 ug/l

RT: 2.50 min Scan# 99

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

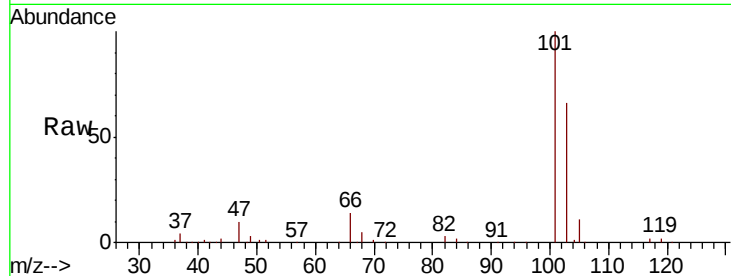
VSTDCCC050

Tot Ion:101 Resp: 750163

Ion Ratio Lower Upper

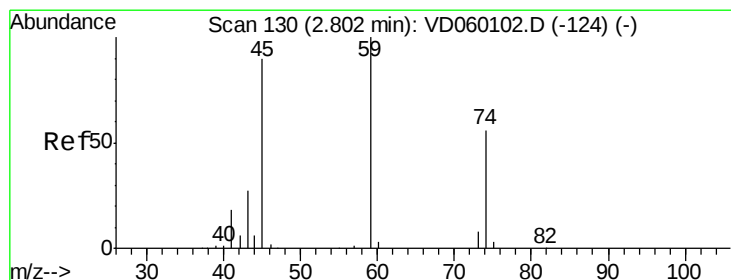
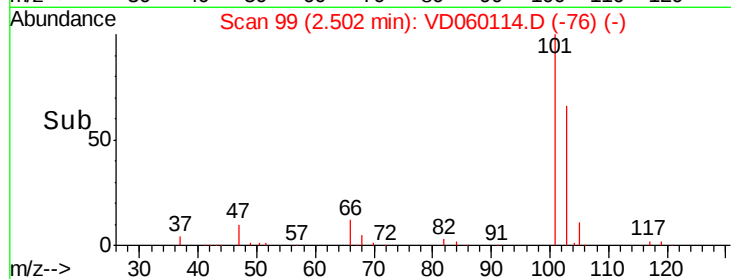
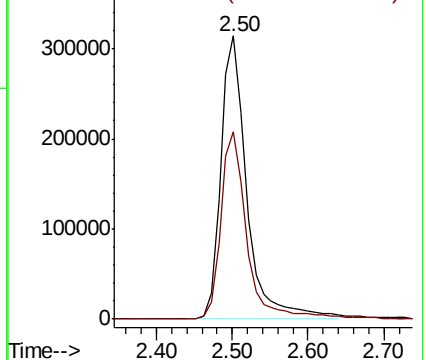
101 100

103 66.3 51.5 77.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 56.847 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060114.D

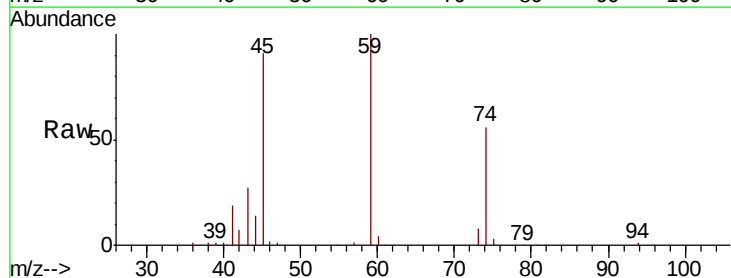
Acq: 3 Oct 2018 12:08

Tgt Ion: 74 Resp: 160222

Ion Ratio Lower Upper

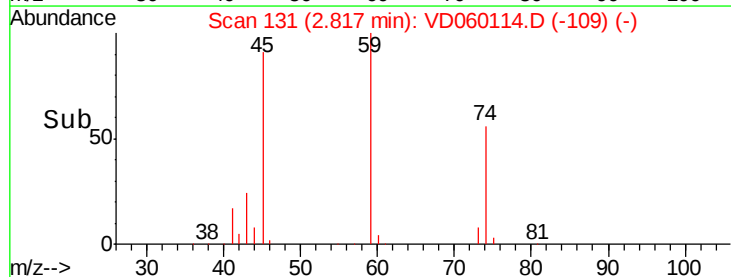
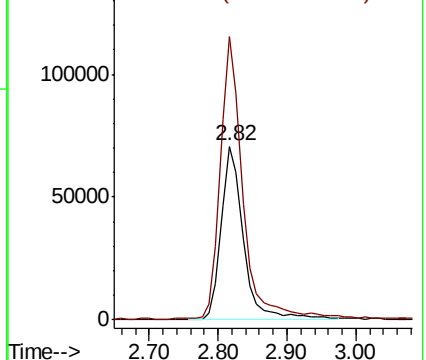
74 100

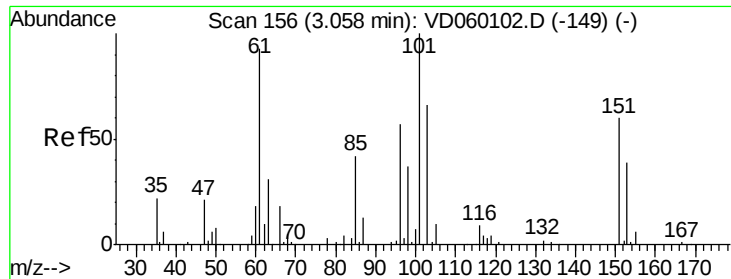
45 162.9 80.3 241.0



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: 55.499 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

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VSTDCCC050

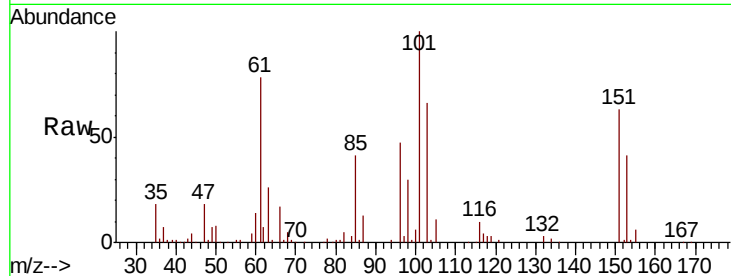
Tot Ion:101 Resp: 473898

Ion Ratio Lower Upper

101 100

85 40.9 33.4 50.0

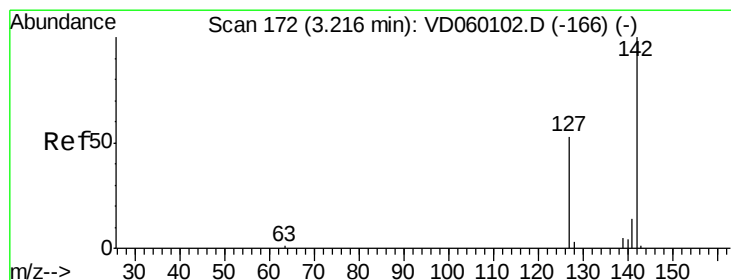
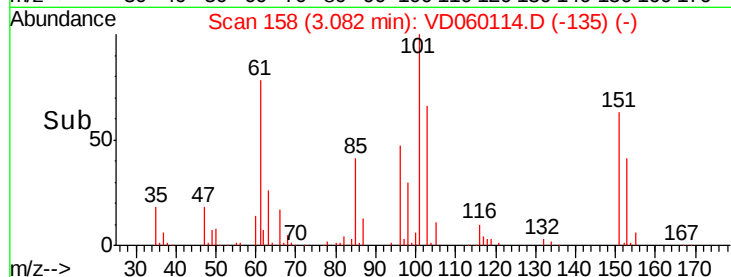
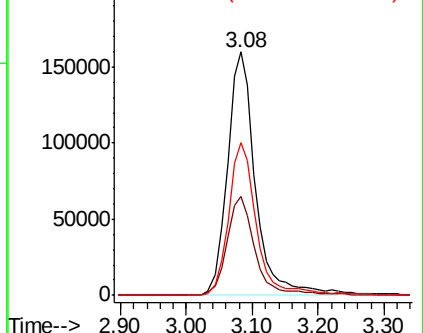
151 62.6 48.0 72.0



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: 56.316 ug/l

RT: 3.24 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

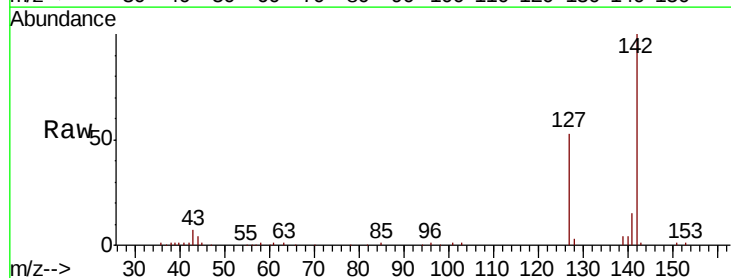
Tgt Ion:142 Resp: 509960

Ion Ratio Lower Upper

142 100

127 52.6 42.0 63.0

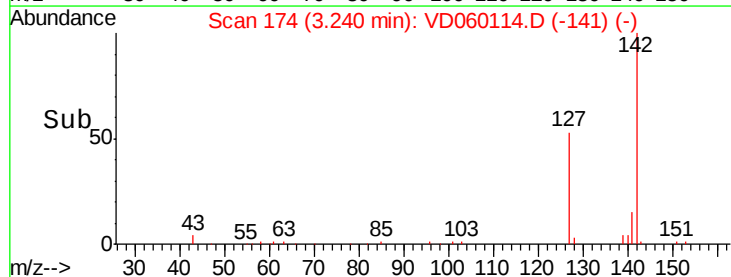
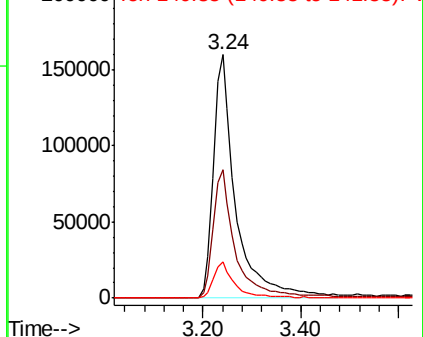
141 14.7 11.4 17.0

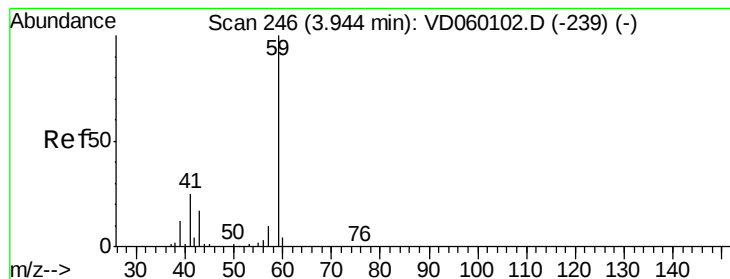


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



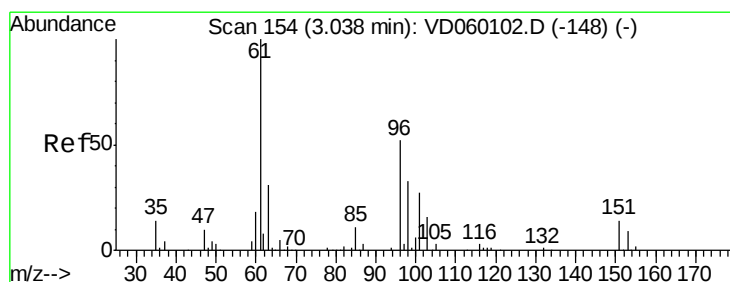
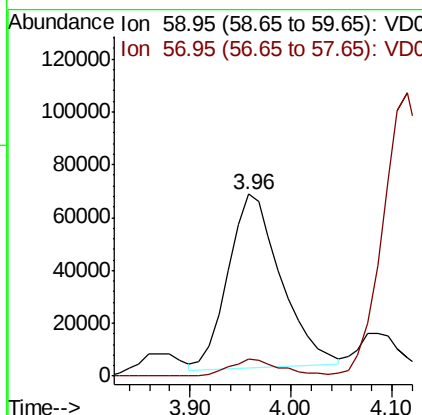
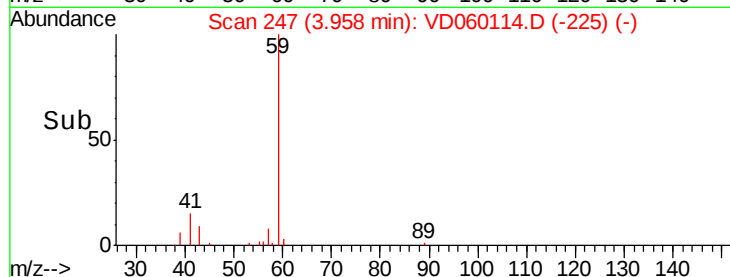
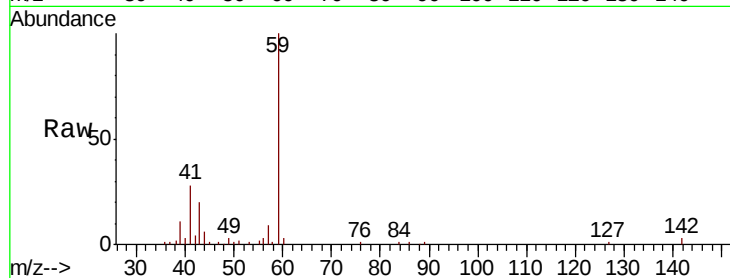


#11

Tert butyl alcohol
 Concen: 266.538 ug/l
 RT: 3.96 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

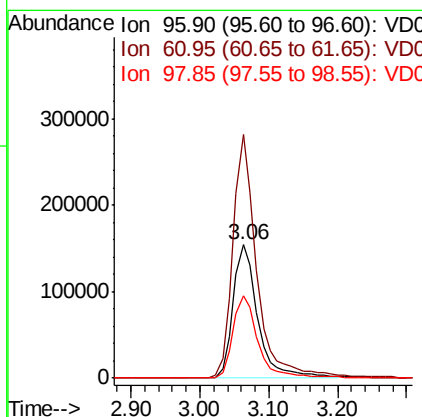
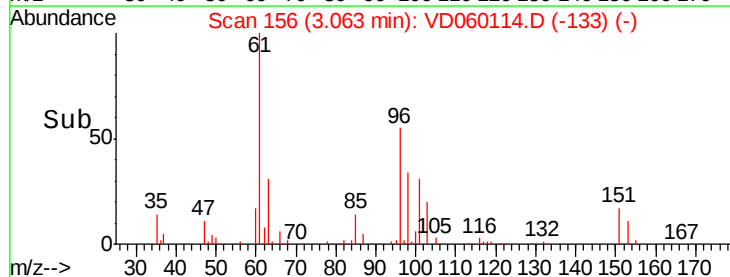
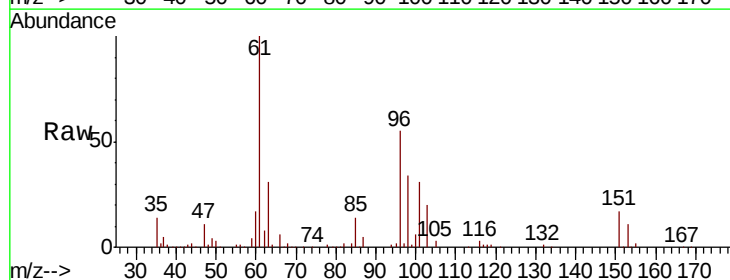
Tot Ion: 59 Resp: 238949
 Ion Ratio Lower Upper
 59 100
 57 9.1 7.8 11.6

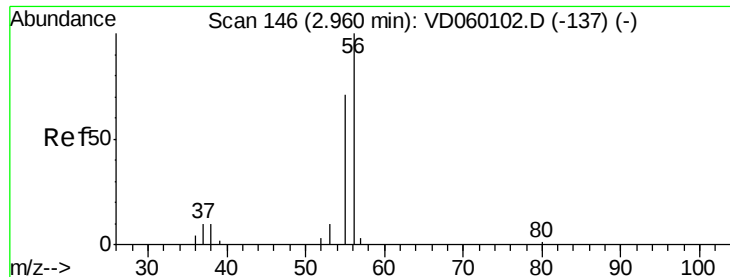


#12

1,1-Dichloroethene
 Concen: 56.968 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 96 Resp: 383219
 Ion Ratio Lower Upper
 96 100
 61 183.1 153.0 229.4
 98 62.1 51.1 76.7





#13

Acrolein

Concen: 224.415 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

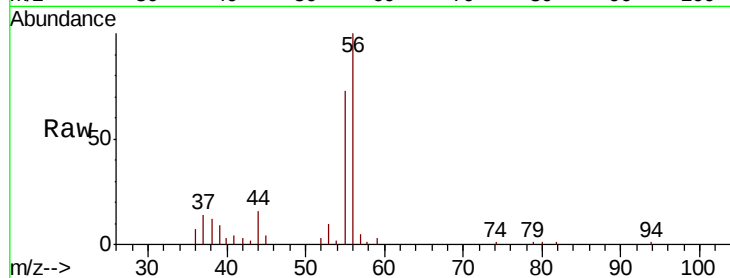
VSTDCCC050

Tot Ion: 56 Resp: 124021

Ion Ratio Lower Upper

56 100

55 72.7 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

50000

40000

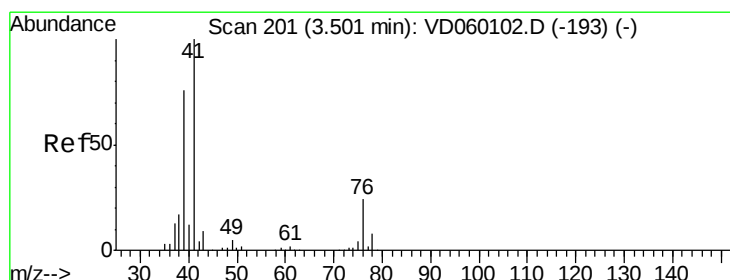
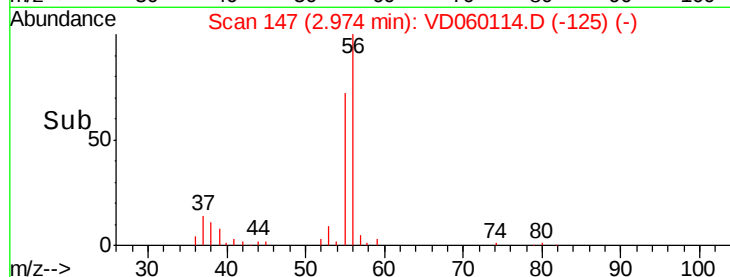
30000

20000

10000

0

Time--> 2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 54.979 ug/l

RT: 3.53 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

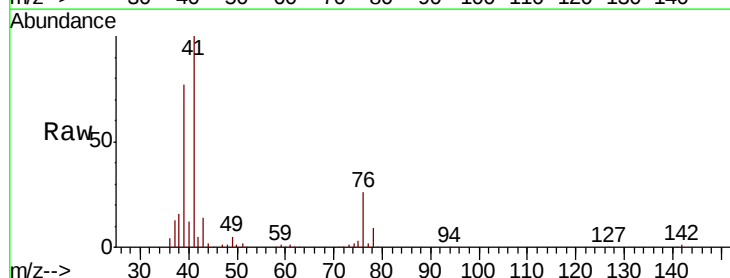
Tgt Ion: 41 Resp: 768124

Ion Ratio Lower Upper

41 100

39 77.3 60.6 90.8

76 26.4 21.3 31.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

400000

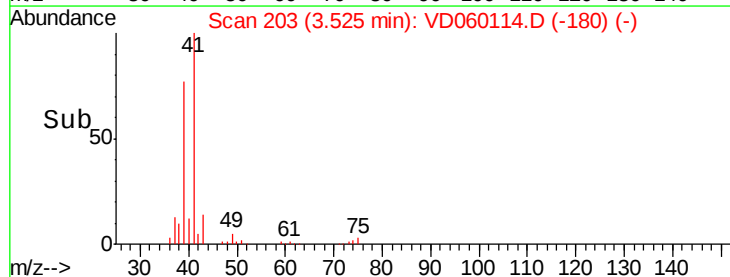
300000

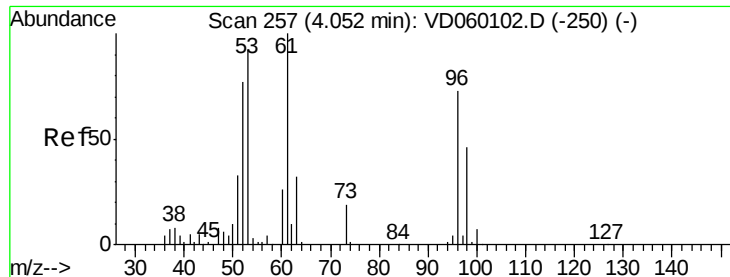
200000

100000

0

Time--> 3.40 3.50 3.60





#15

Acrylonitrile

Concen: 271.610 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

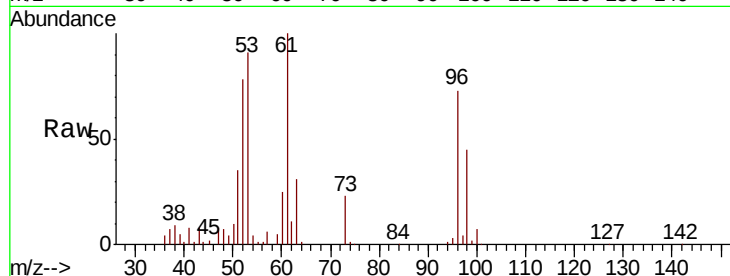
Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 53 Resp: 1007860

Ion	Ratio	Lower	Upper
53	100		
52	85.6	67.5	101.3
51	38.8	29.3	43.9

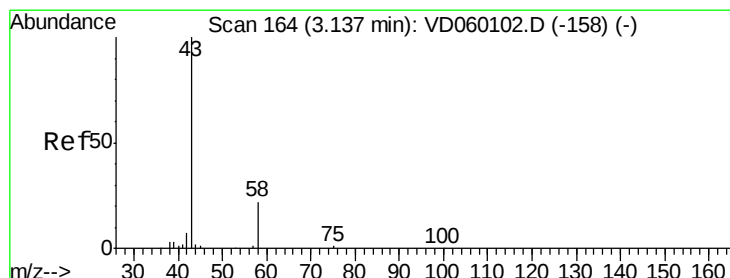
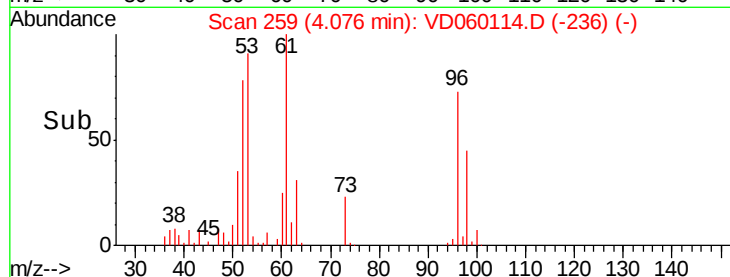


Abundance

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: 286.870 ug/l

RT: 3.15 min Scan# 165

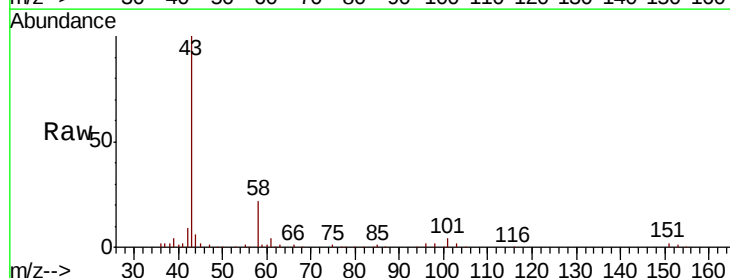
Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion: 43 Resp: 650678

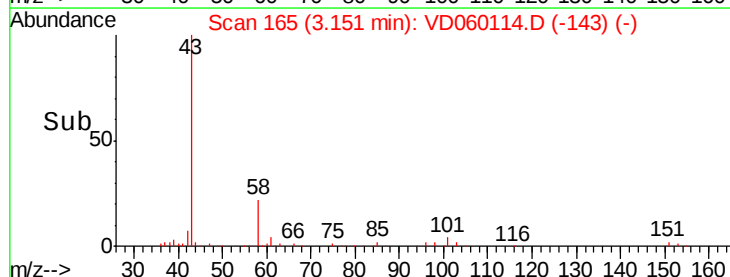
Ion	Ratio	Lower	Upper
43	100		
58	22.1	17.7	26.5

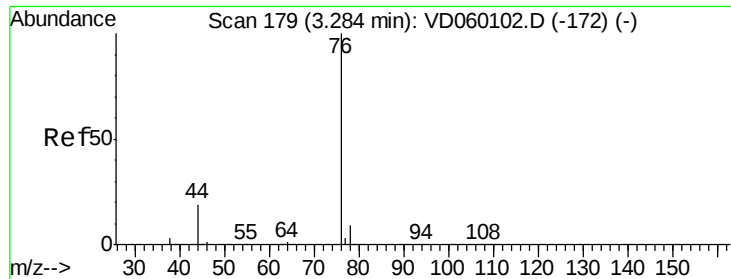


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

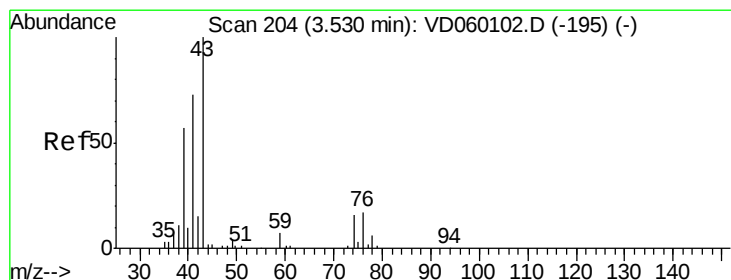
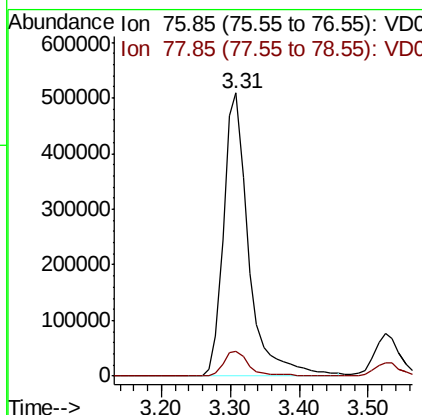
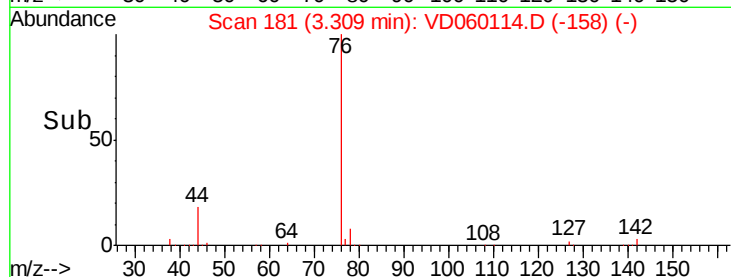
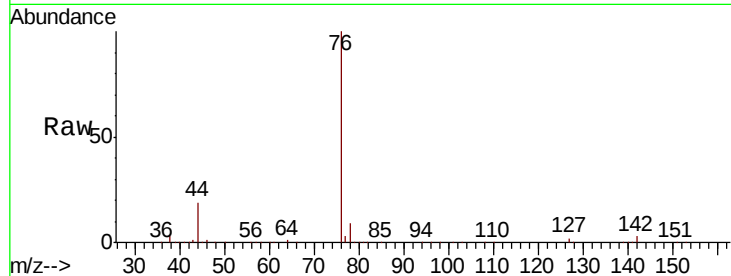




#17
Carbon Disulfide
Concen: 56.816 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

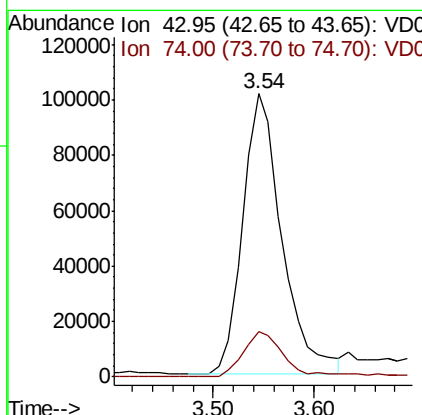
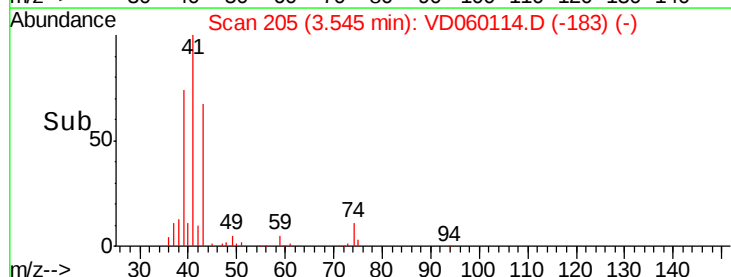
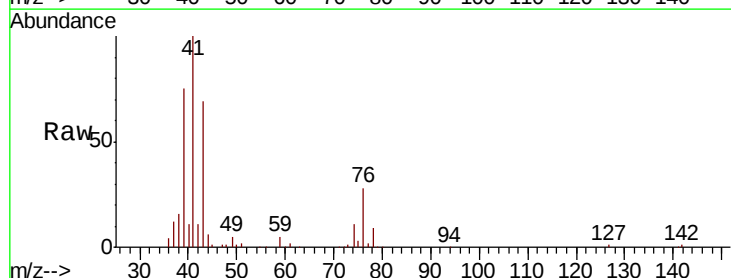
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

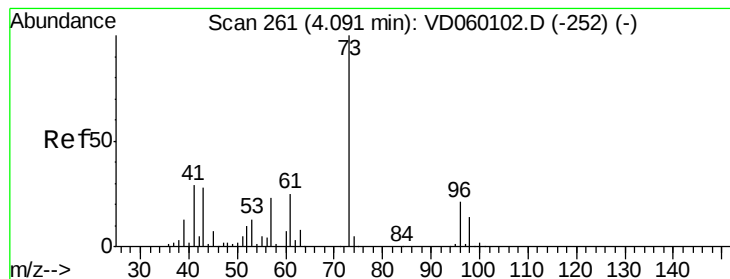
Tot Ion: 76 Resp: 1285268
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2



#18
Methyl Acetate
Concen: 55.968 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 43 Resp: 272851
Ion Ratio Lower Upper
43 100
74 15.8 12.6 19.0



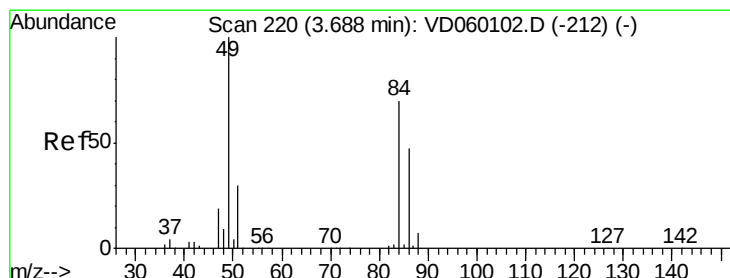
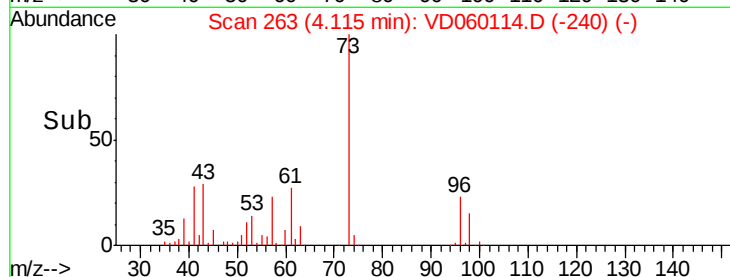
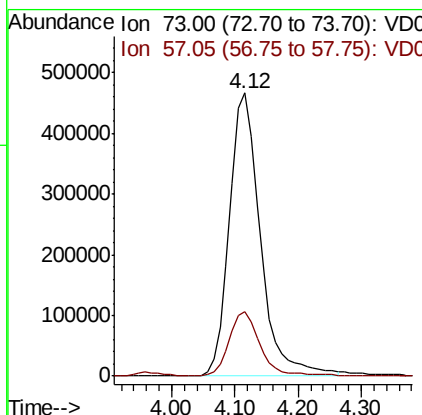
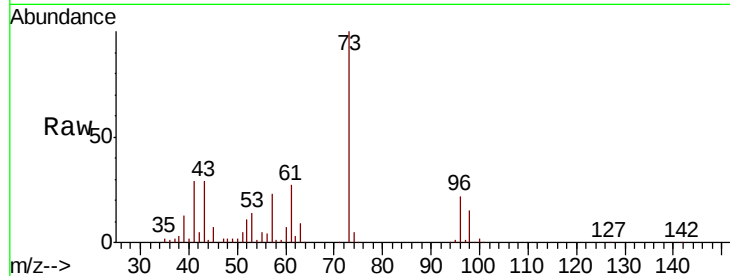


#19

Methyl tert-butyl Ether
 Concen: 53.664 ug/l
 RT: 4.12 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

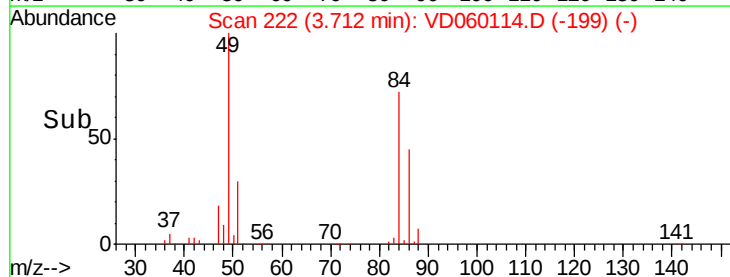
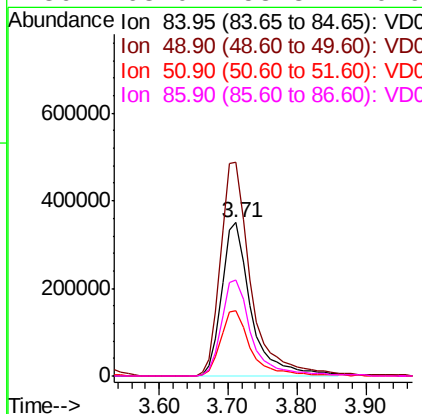
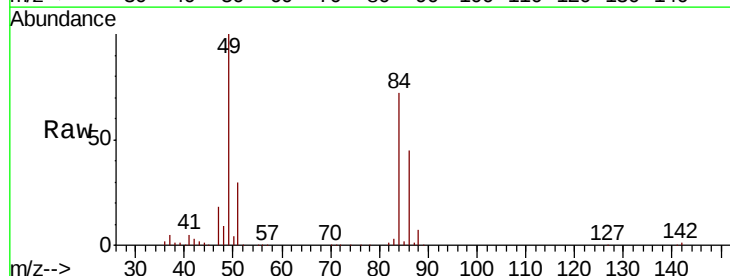
Tot Ion: 73 Resp: 1587208
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.7 28.1

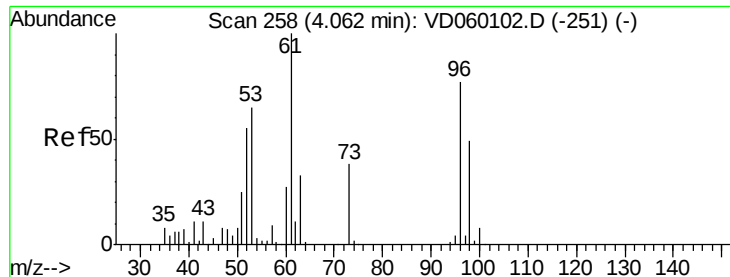


#20

Methylene Chloride
 Concen: 58.961 ug/l
 RT: 3.71 min Scan# 222
 Delta R.T. 0.03 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 84 Resp: 1038907
 Ion Ratio Lower Upper
 84 100
 49 139.5 114.6 172.0
 51 42.3 33.8 50.8
 86 63.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 52.497 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

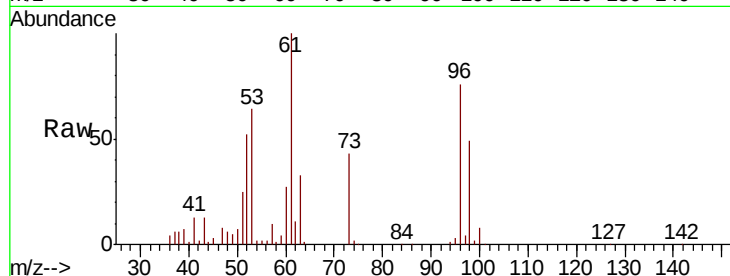
Tot Ion: 96 Resp: 912070

Ion Ratio Lower Upper

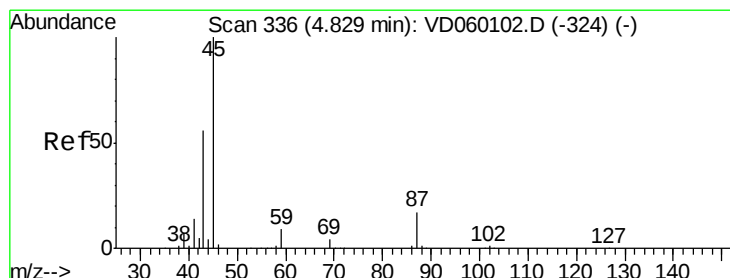
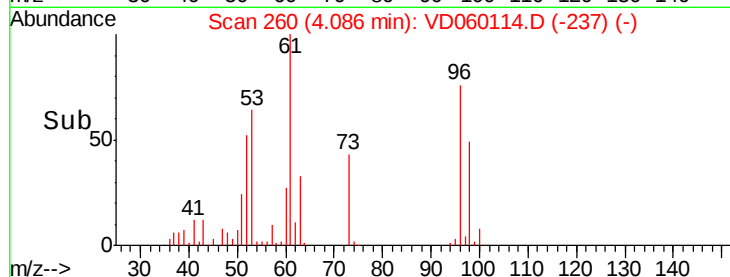
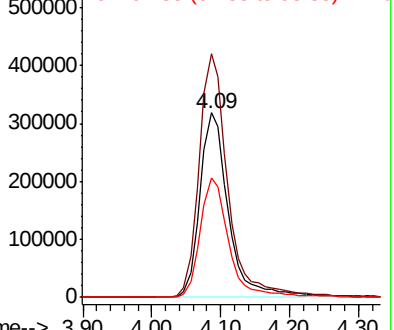
96 100

61 131.9 103.3 154.9

98 64.9 50.4 75.6



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: 53.511 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion: 45 Resp: 3338794

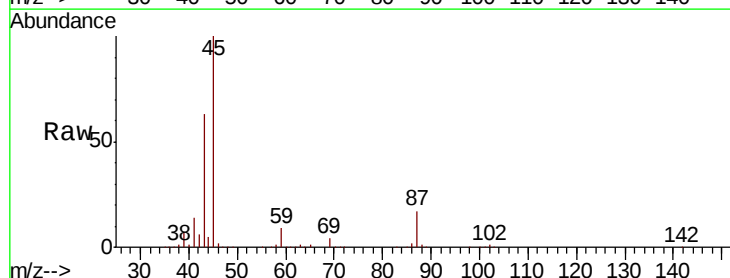
Ion Ratio Lower Upper

45 100

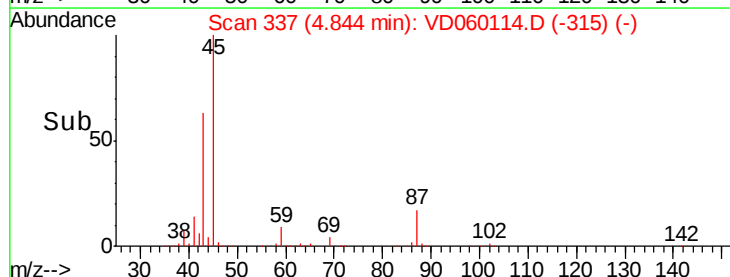
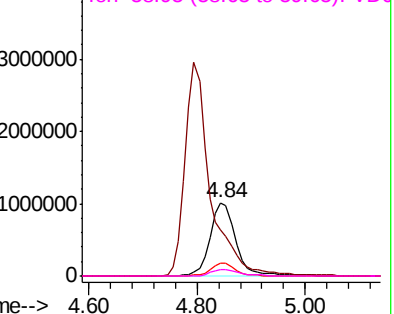
43 63.3 44.8 67.2

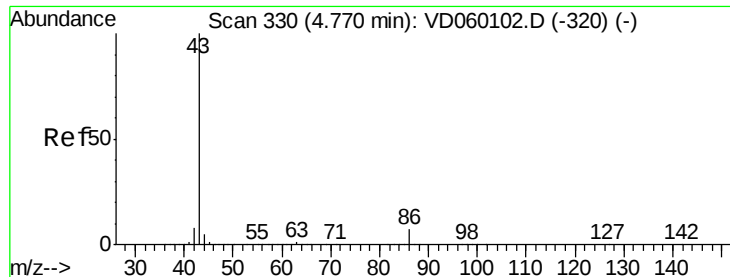
87 17.4 13.9 20.9

59 9.0 7.1 10.7



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: 270.553 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

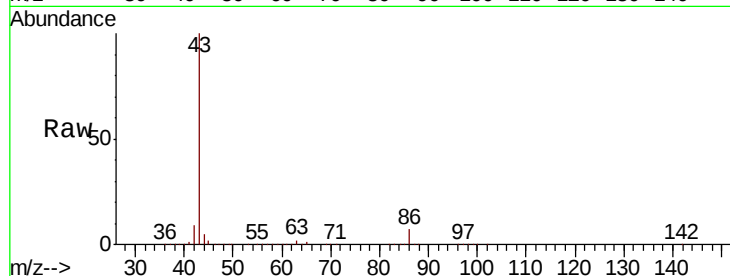
VSTDCCC050

Tot Ion: 43 Resp: 9488939

Ion Ratio Lower Upper

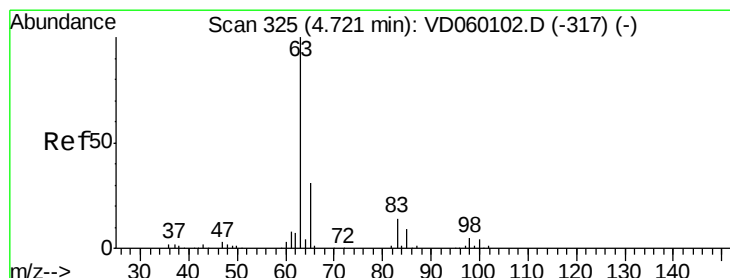
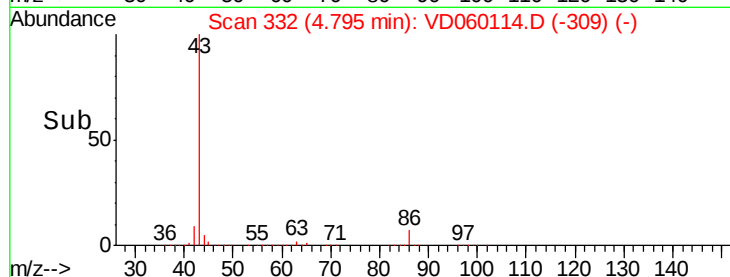
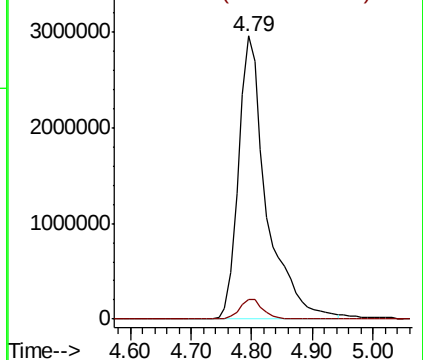
43 100

86 7.0 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.288 ug/l

RT: 4.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

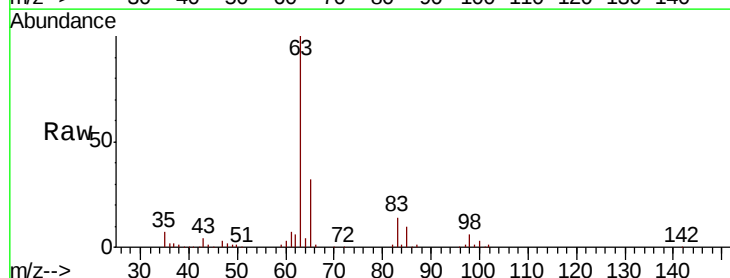
Tgt Ion: 63 Resp: 1479246

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

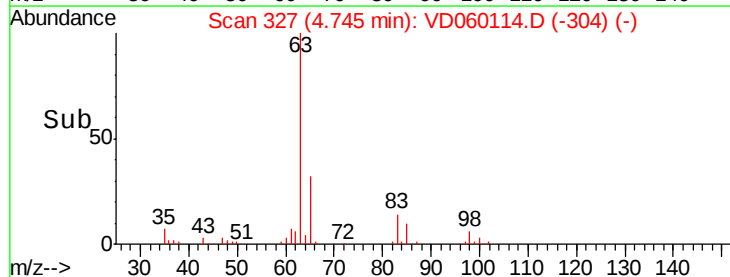
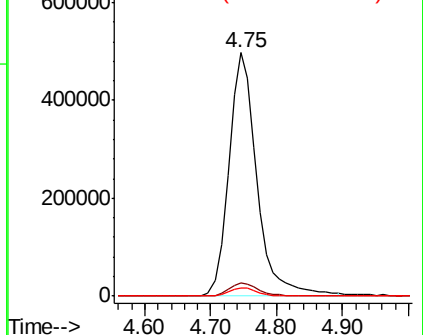
100 3.4 1.8 5.3

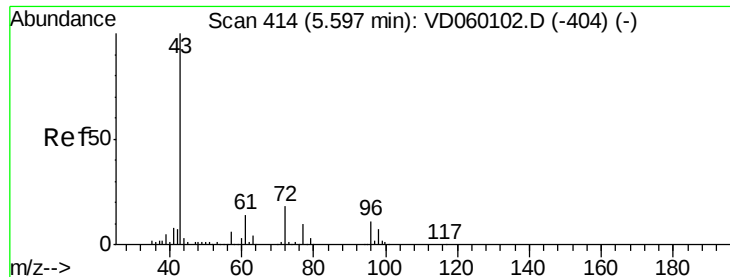


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 283.865 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

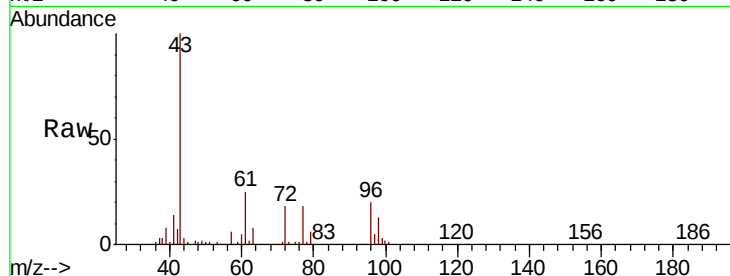
VSTDCCC050

Tot Ion: 43 Resp: 1608524

Ion Ratio Lower Upper

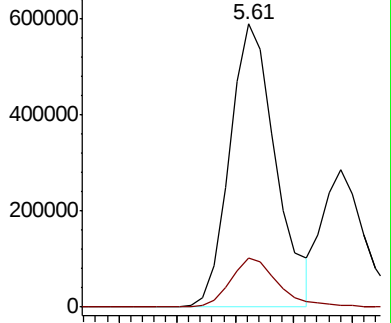
43 100

72 17.6 14.5 21.7

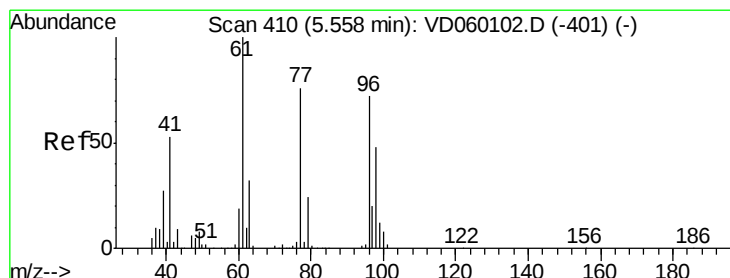
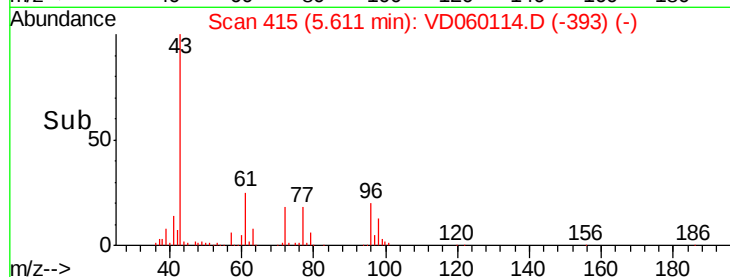


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 55.344 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060114.D

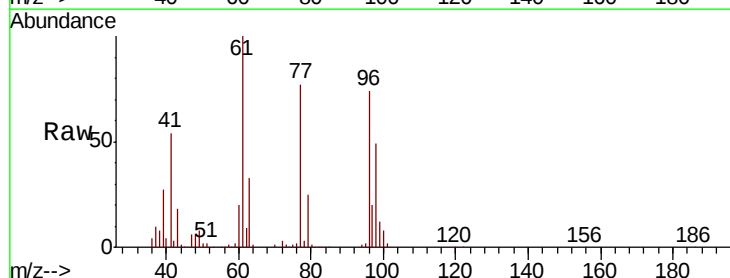
Acq: 3 Oct 2018 12:08

Tgt Ion: 77 Resp: 1186935

Ion Ratio Lower Upper

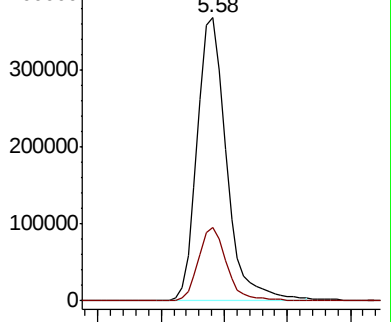
77 100

97 26.0 13.3 39.9

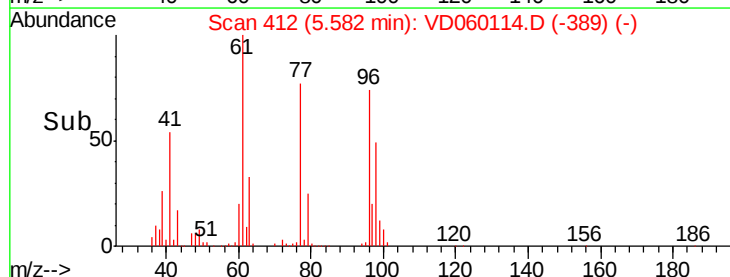


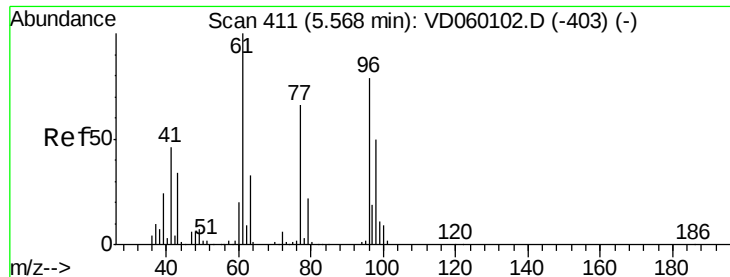
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->



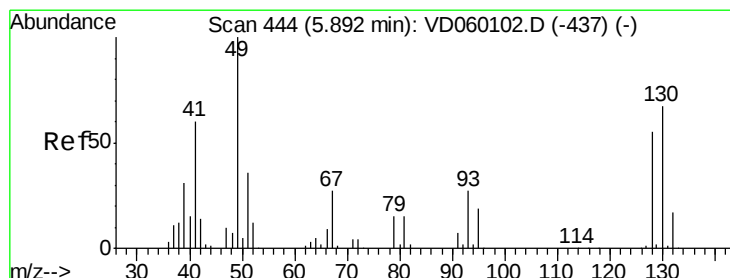
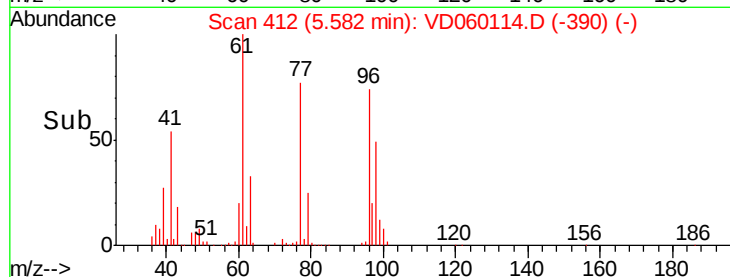
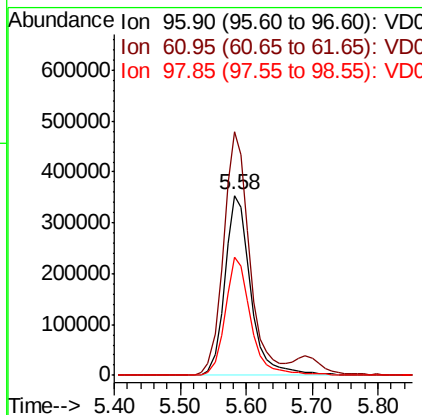
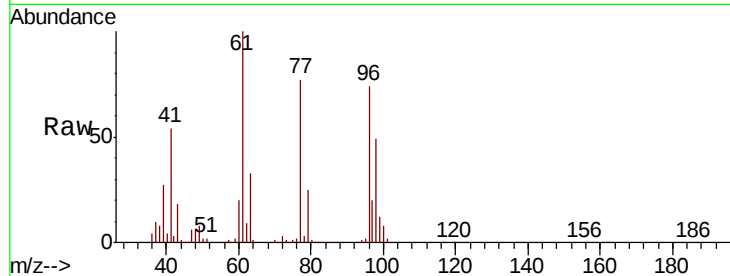


#27

cis-1,2-Dichloroethene
Concen: 52.419 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

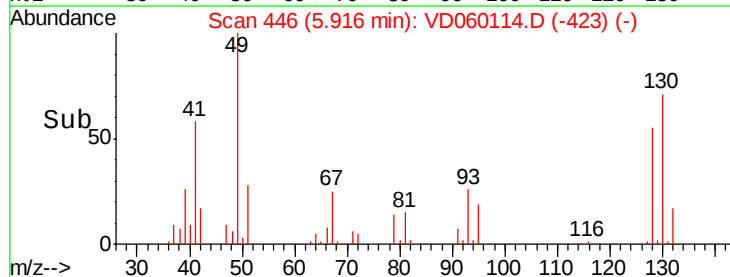
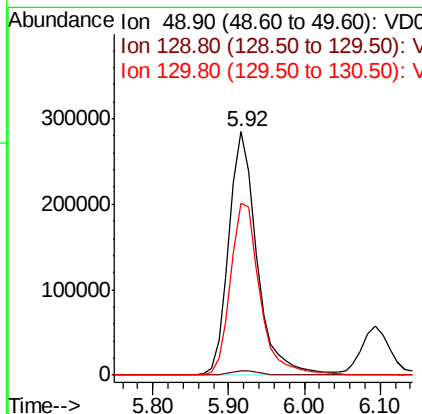
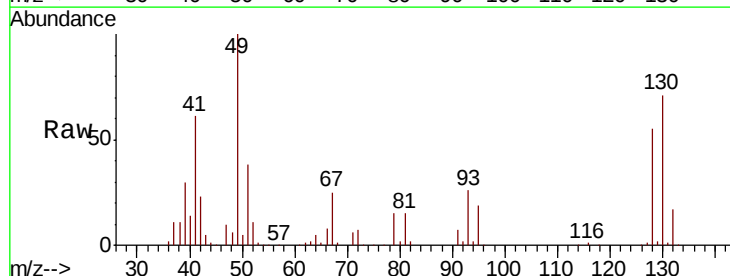
Tot Ion: 96 Resp: 964899
Ion Ratio Lower Upper
96 100
61 135.1 0.0 251.8
98 65.7 0.0 125.2

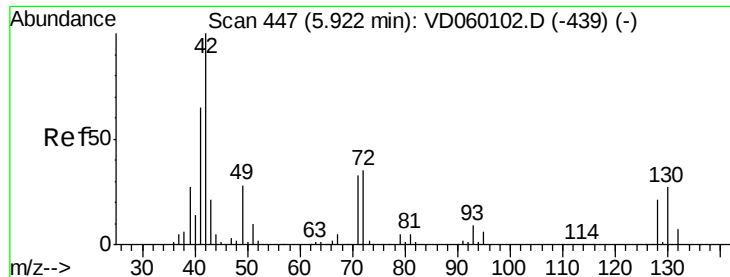


#28

Bromochloromethane
Concen: 53.262 ug/l
RT: 5.92 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 49 Resp: 732225
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 70.8 53.9 80.9

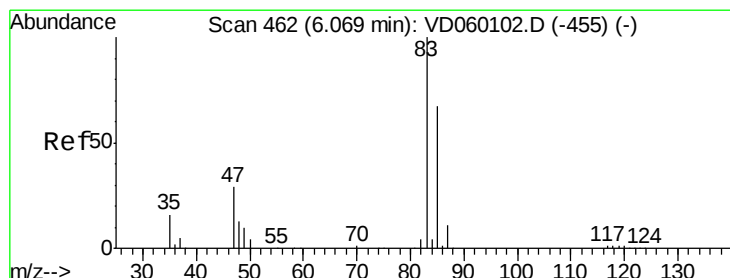
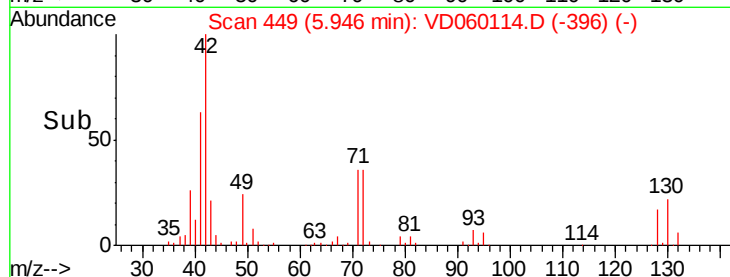
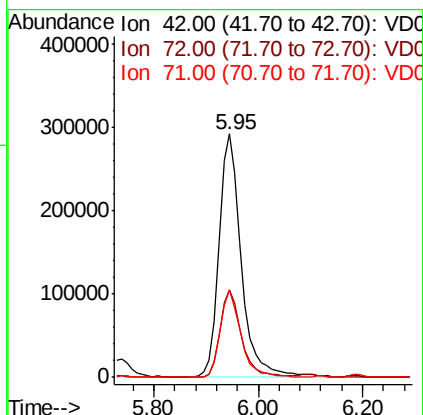
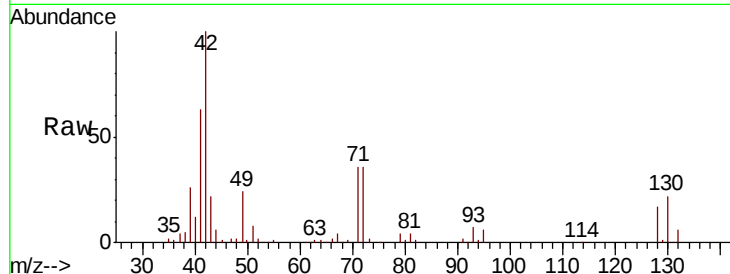




#29
Tetrahydrofuran
Concen: 260.626 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

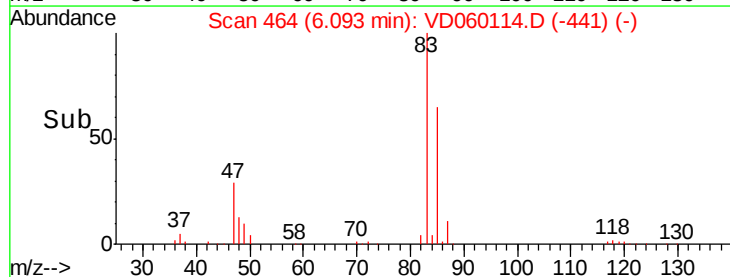
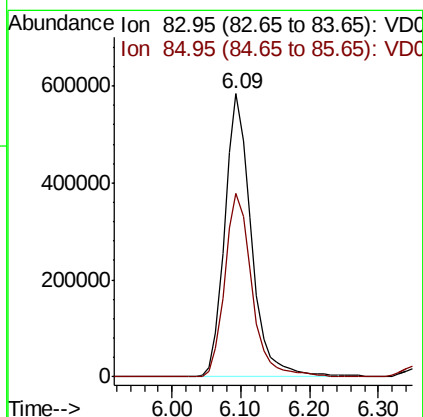
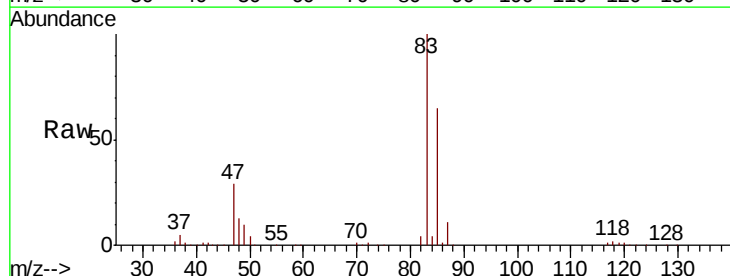
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

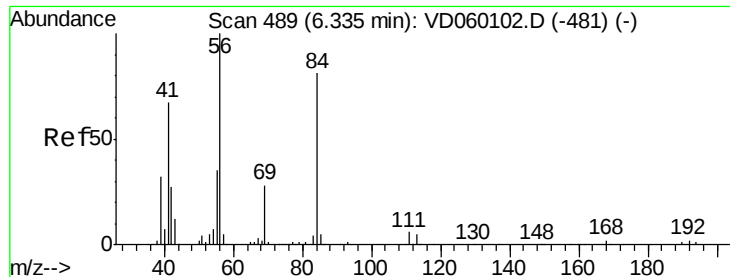
Tot Ion: 42 Resp: 857823
Ion Ratio Lower Upper
42 100
72 34.3 26.9 40.3
71 33.5 26.7 40.1



#30
Chloroform
Concen: 54.287 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 83 Resp: 1553524
Ion Ratio Lower Upper
83 100
85 65.0 53.8 80.8

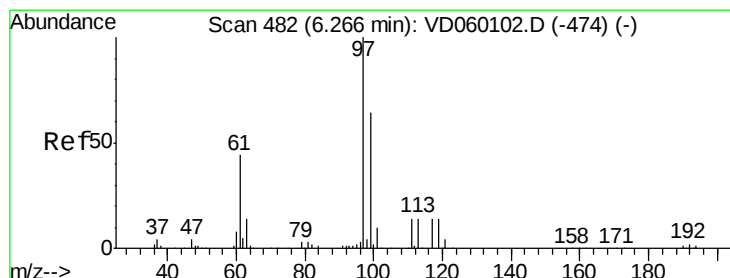
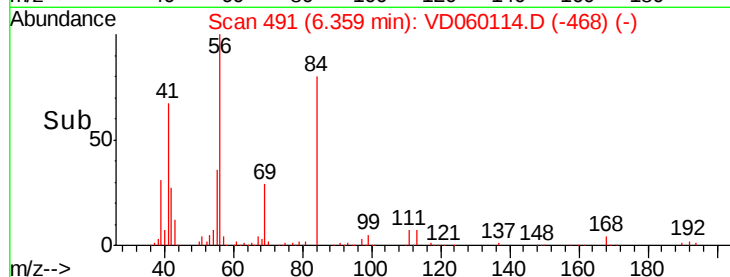
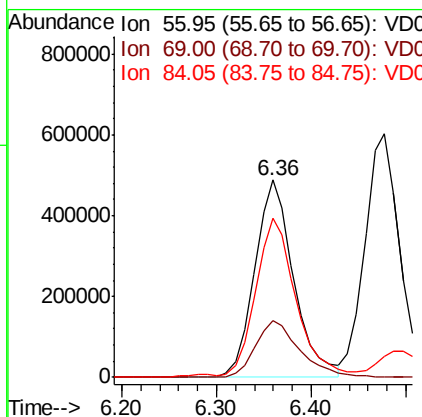
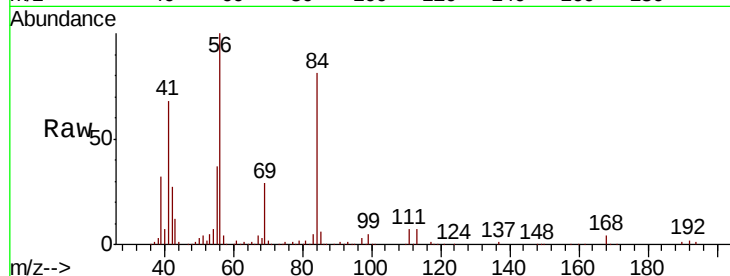




#31
Cyclohexane
Concen: 51.462 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

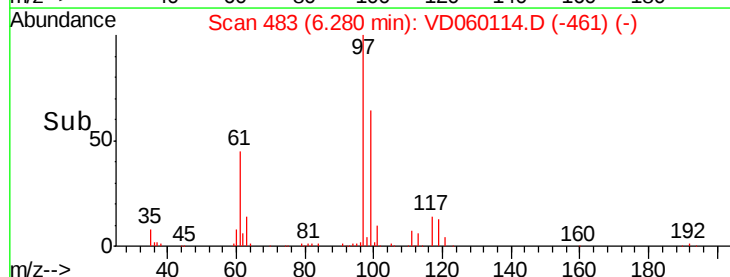
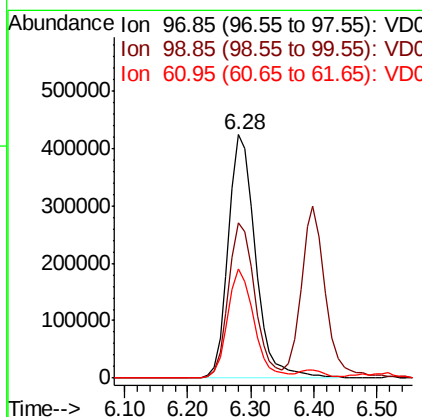
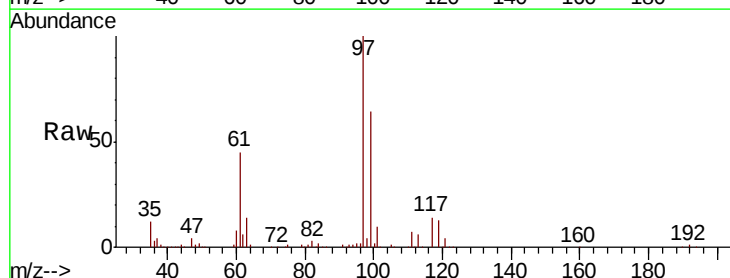
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

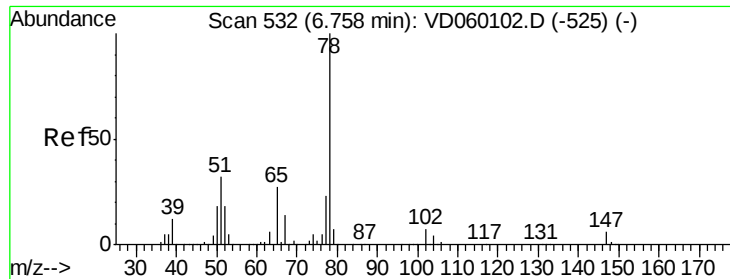
Tot Ion: 56 Resp: 1393659
Ion Ratio Lower Upper
56 100
69 28.9 22.8 34.2
84 80.6 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 53.848 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 97 Resp: 1262491
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 44.6 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 53.848 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

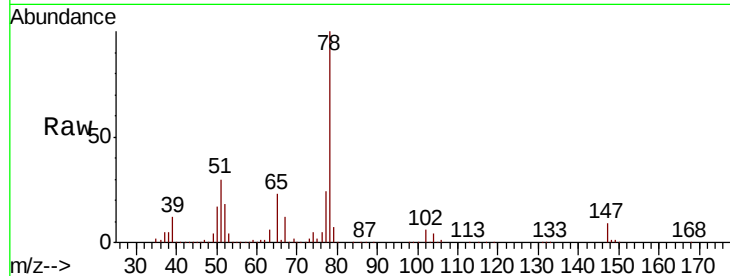
VSTDCCC050

Tot Ion: 65 Resp: 660126

Ion Ratio Lower Upper

65 100

67 51.1 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.78

250000

200000

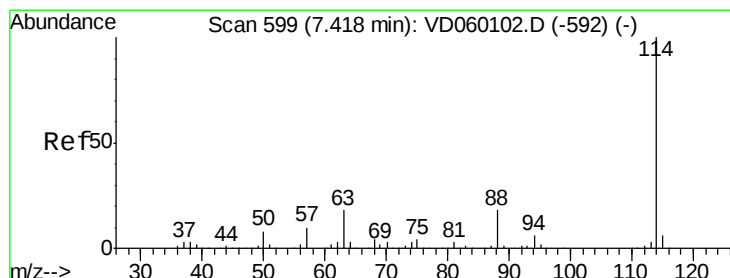
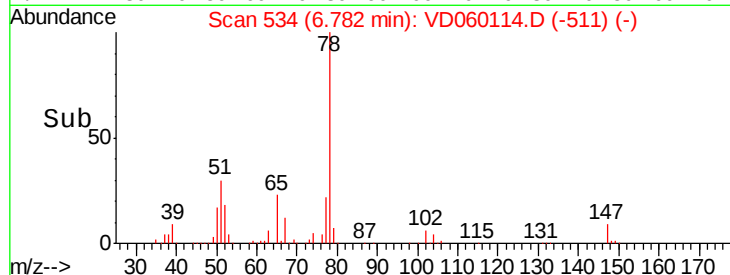
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

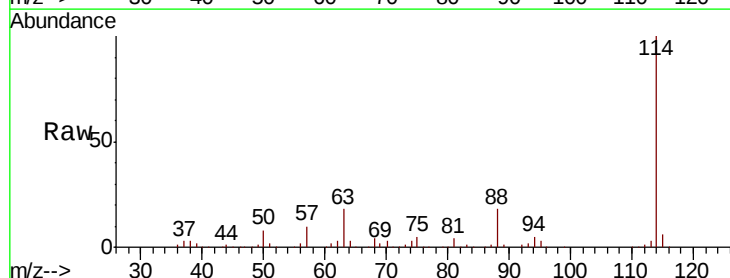
Tgt Ion: 114 Resp: 2267681

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.0

88 18.1 0.0 36.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

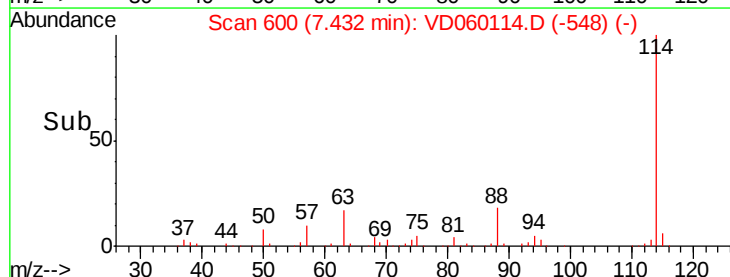
600000

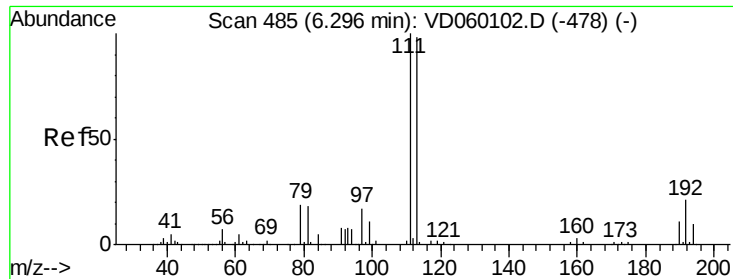
400000

200000

0

Time-->

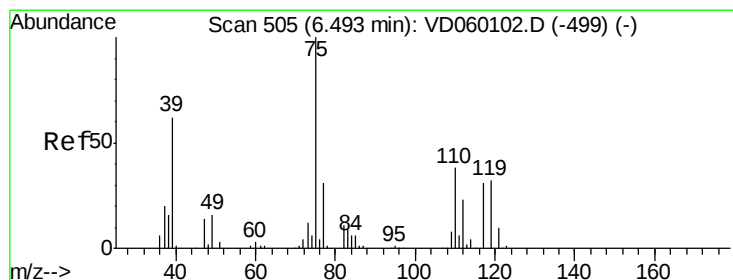
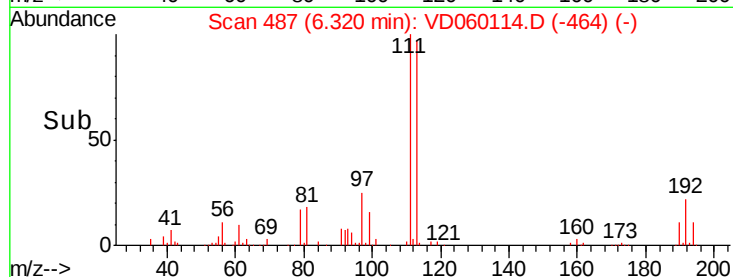
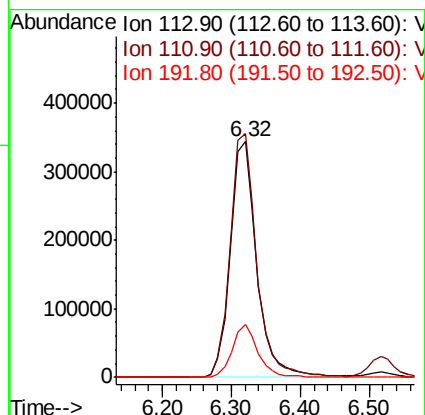
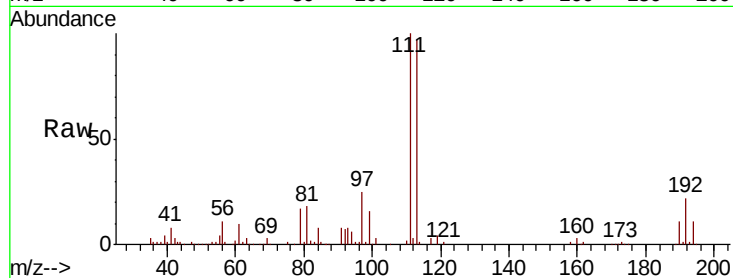




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

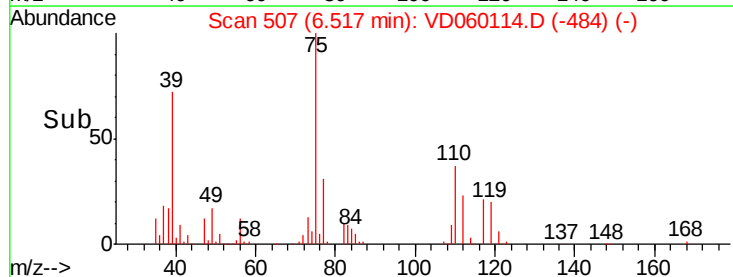
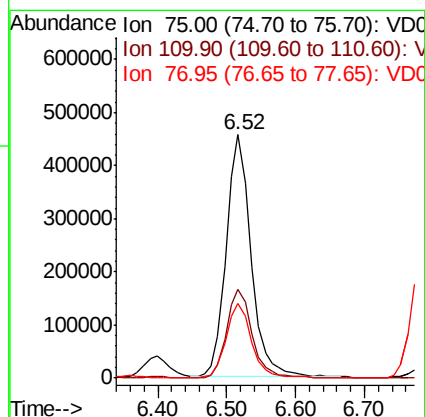
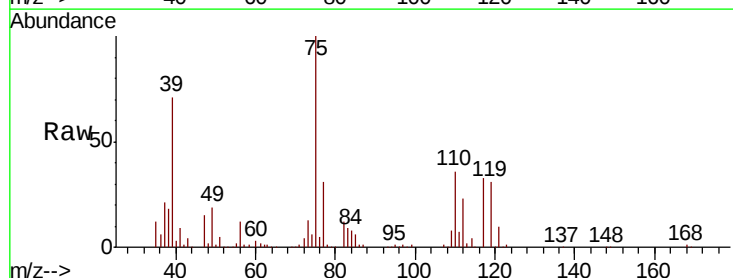
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

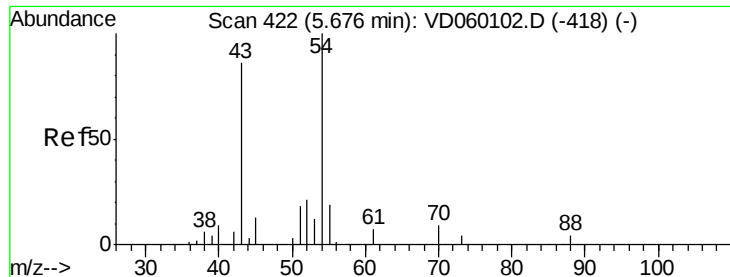
Tot Ion:113 Resp: 915341
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.5 122.3
 192 22.3 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 52.855 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 75 Resp: 1145342
 Ion Ratio Lower Upper
 75 100
 110 36.4 19.0 57.0
 77 30.9 24.9 37.3

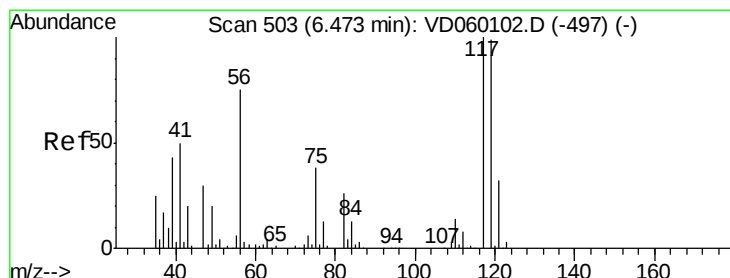
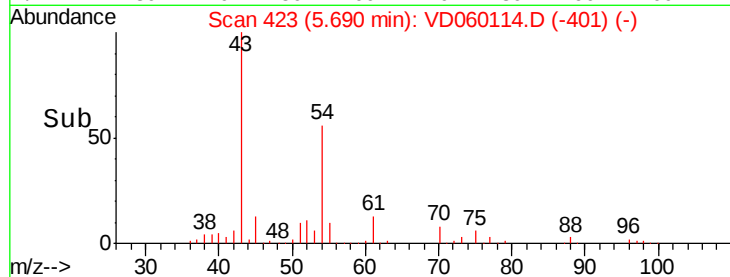
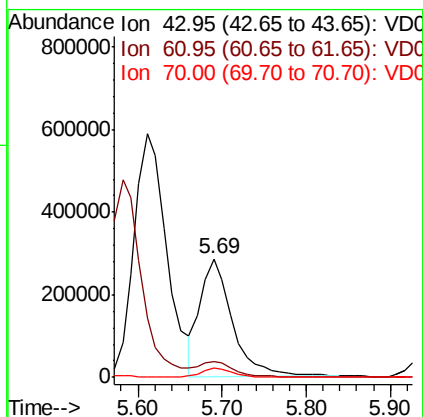
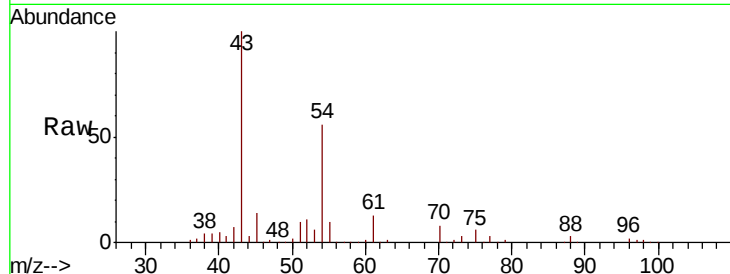




#37
Ethyl Acetate
Concen: 52.142 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

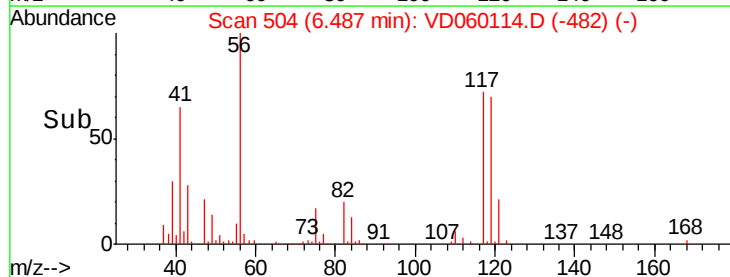
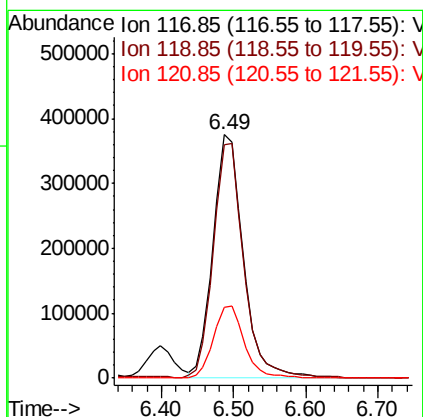
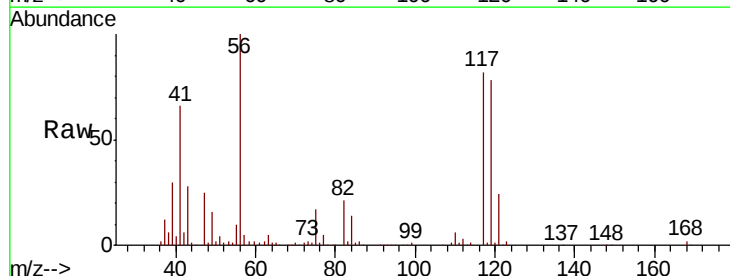
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

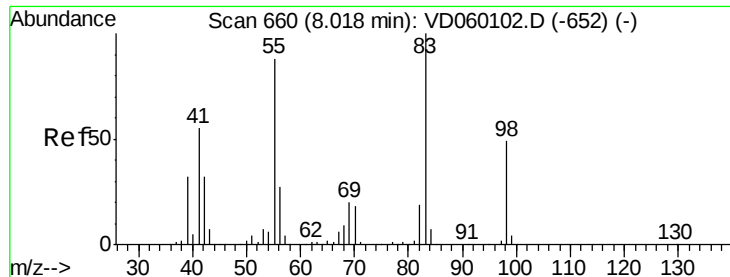
Tot Ion: 43 Resp: 749978
Ion Ratio Lower Upper
43 100
61 13.1 10.5 15.7
70 7.9 6.3 9.5



#38
Carbon Tetrachloride
Concen: 54.735 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 117 Resp: 1076507
Ion Ratio Lower Upper
117 100
119 95.7 77.8 116.6
121 29.2 24.8 37.2

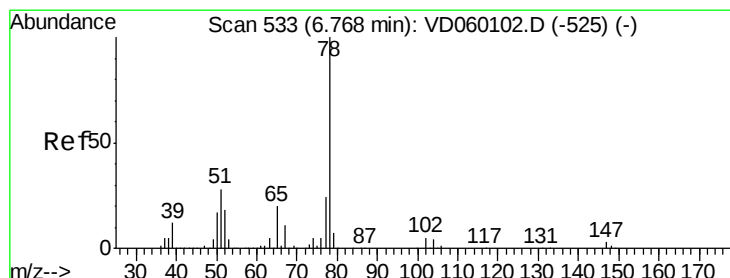
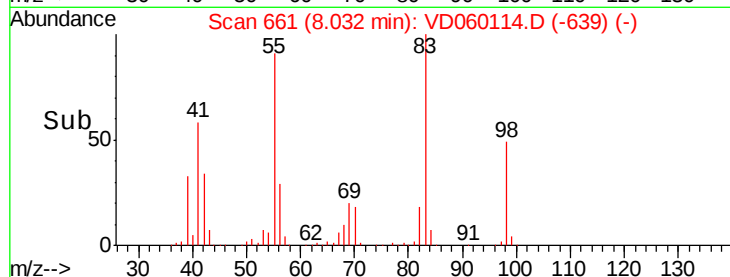
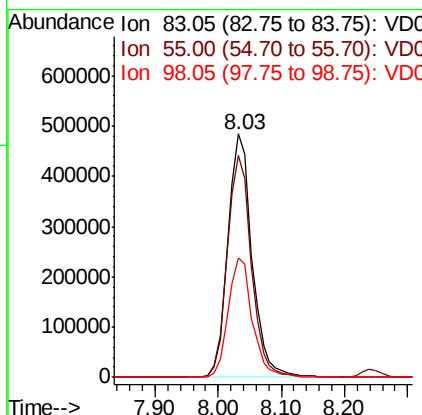
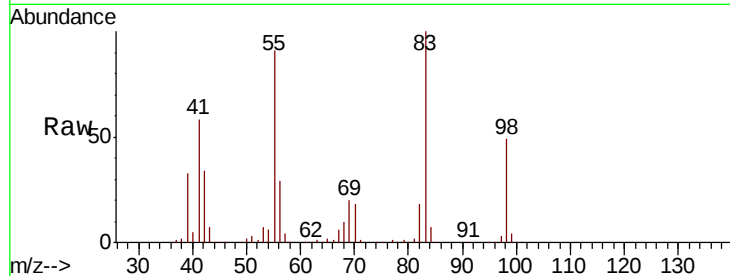




#39
Methvlcvclohexane
Concen: 51.888 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

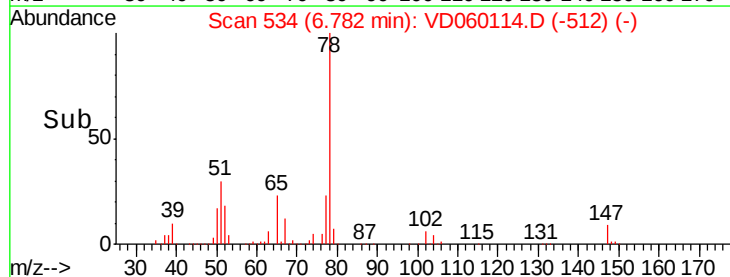
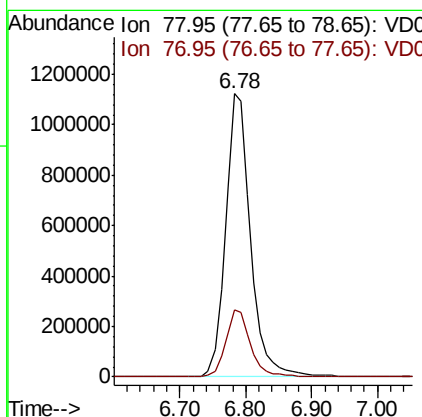
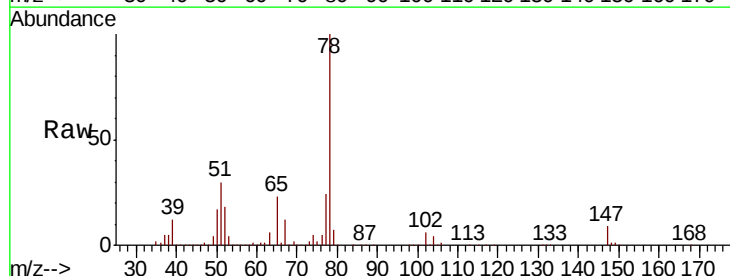
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

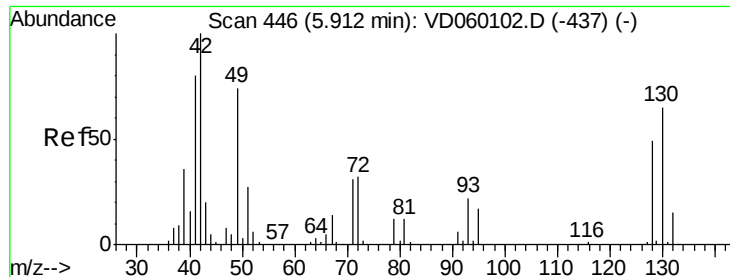
Tot Ion: 83 Resp: 1277547
Ion Ratio Lower Upper
83 100
55 91.2 70.5 105.7
98 48.9 39.4 59.2



#40
Benzene
Concen: 52.225 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 78 Resp: 2960703
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

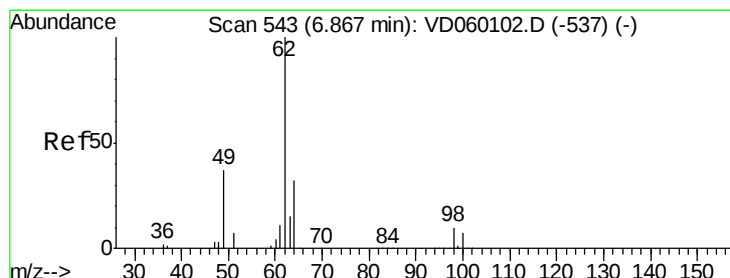
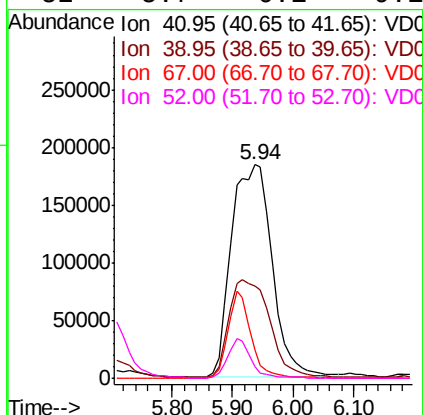
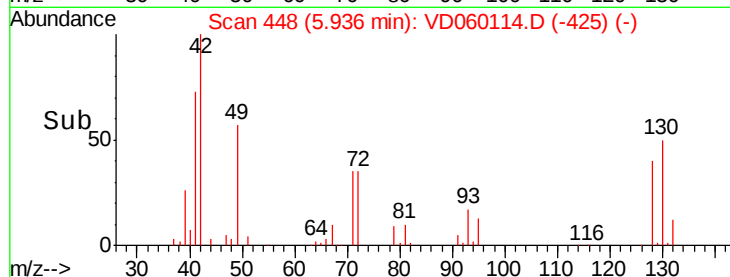
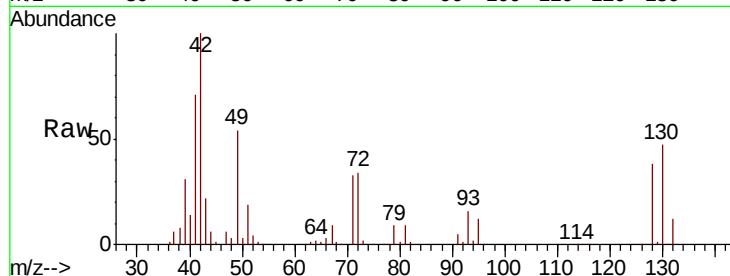




#41
Methacrylonitrile
Concen: 106.209 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

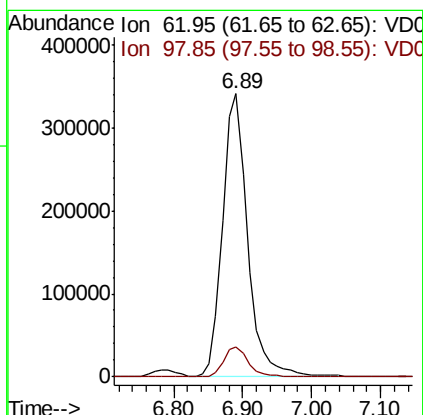
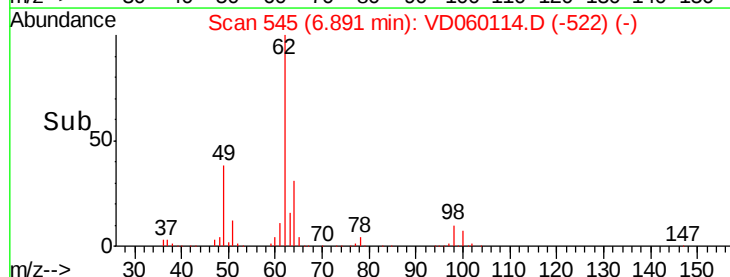
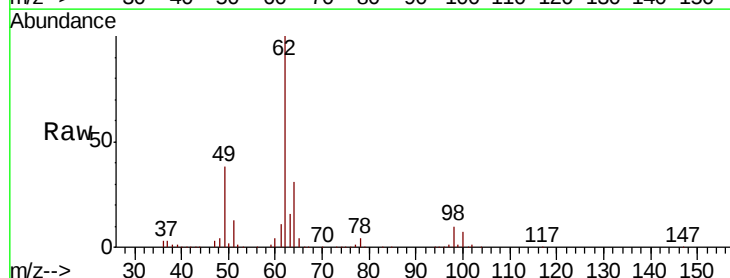
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

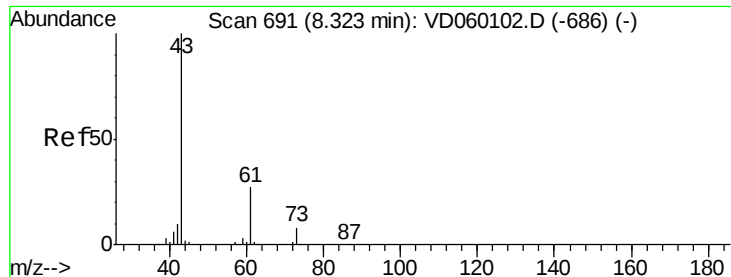
Tot Ion: 41 Resp: 863463
Ion Ratio Lower Upper
41 100
39 43.1 36.0 54.0
67 13.2 13.9 20.9#
52 5.7 6.1 9.1#



#42
1,2-Dichloroethane
Concen: 52.364 ug/l
RT: 6.89 min Scan# 545
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 62 Resp: 851091
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6



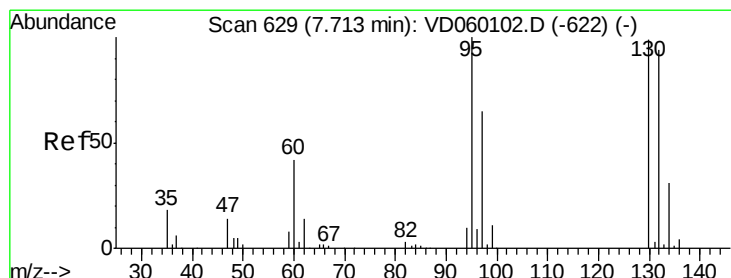
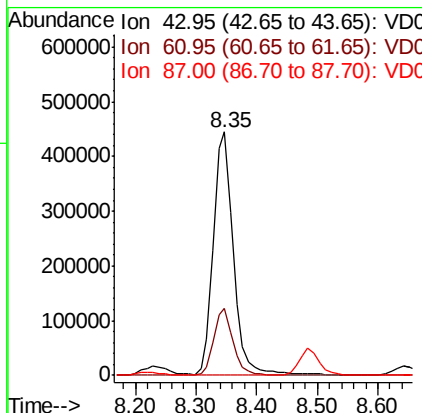
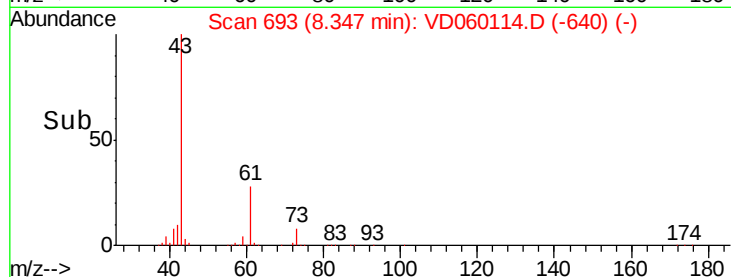
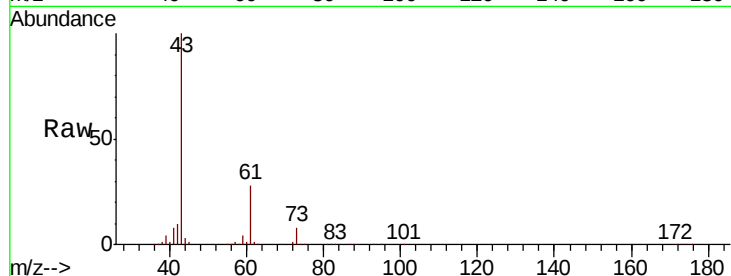


#43

Isopropyl Acetate
 Concen: 53.627 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

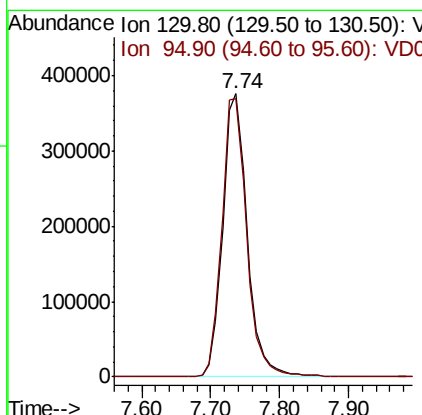
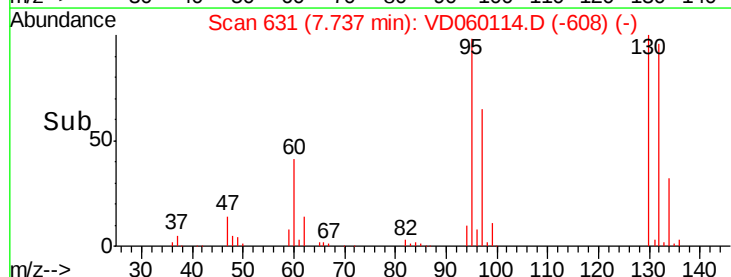
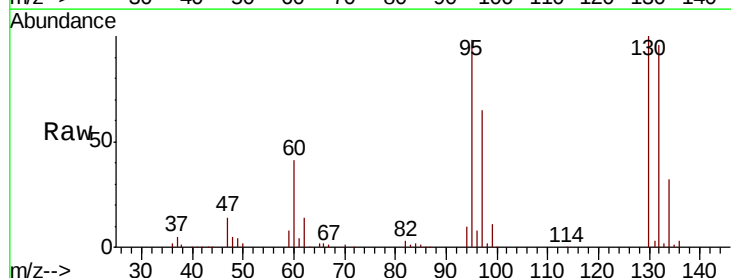
Tot Ion: 43 Resp: 1014779
 Ion Ratio Lower Upper
 43 100
 61 27.8 21.4 32.2
 87 0.2 0.2 0.2

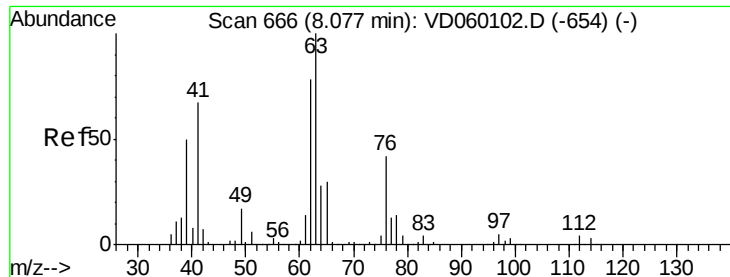


#44

Trichloroethene
 Concen: 52.614 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 130 Resp: 923339
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 202.2

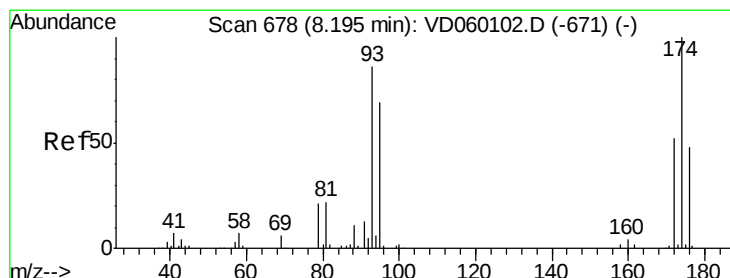
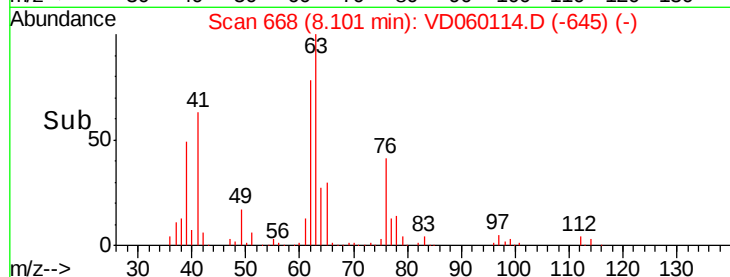
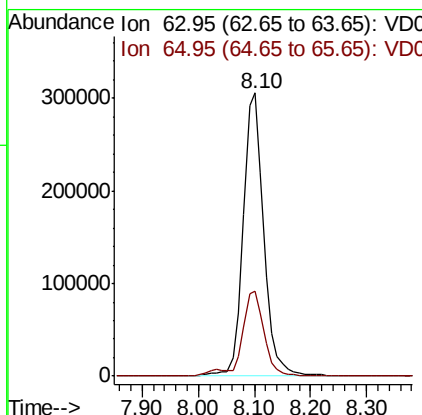
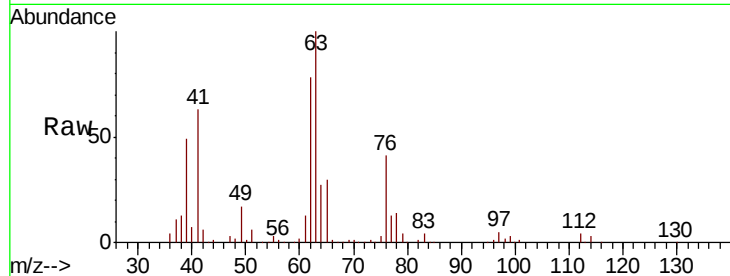




#45
 1,2-Dichloropropane
 Concen: 52.184 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

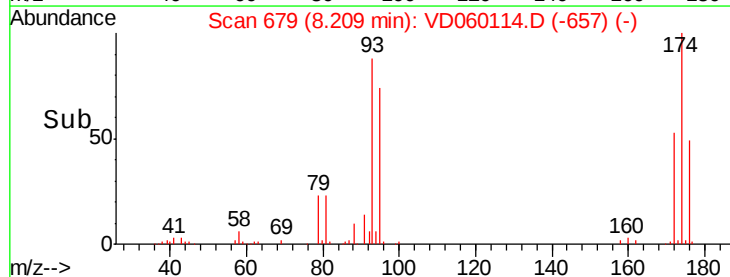
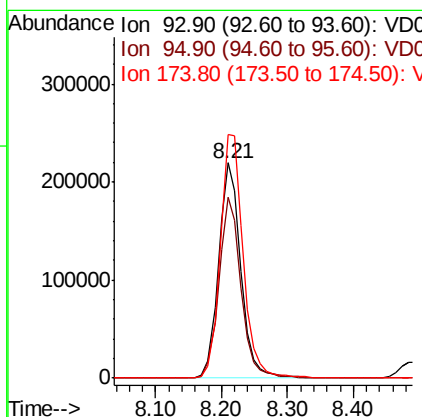
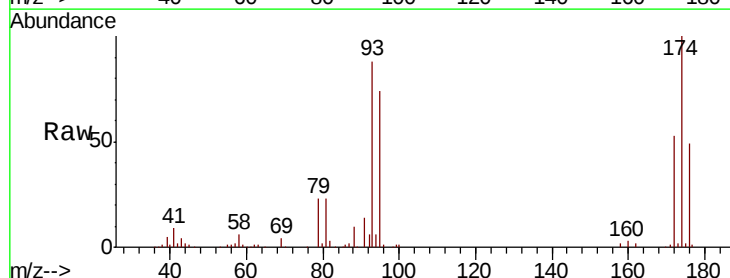
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

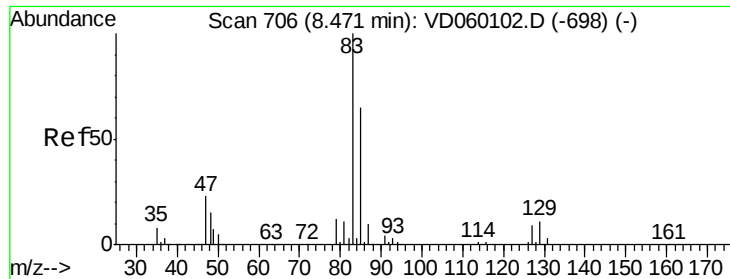
Tot Ion: 63 Resp: 774630
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.1 36.1



#46
 Dibromomethane
 Concen: 53.415 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 93 Resp: 513339
 Ion Ratio Lower Upper
 93 100
 95 84.1 63.8 95.6
 174 113.1 92.9 139.3





#47

Bromodichloromethane

Concen: 54.348 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

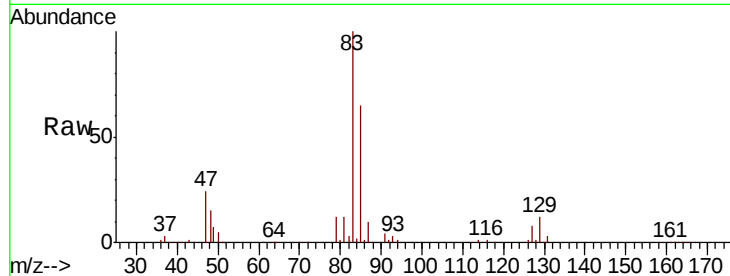
Tot Ion: 83 Resp: 1112890

Ion Ratio Lower Upper

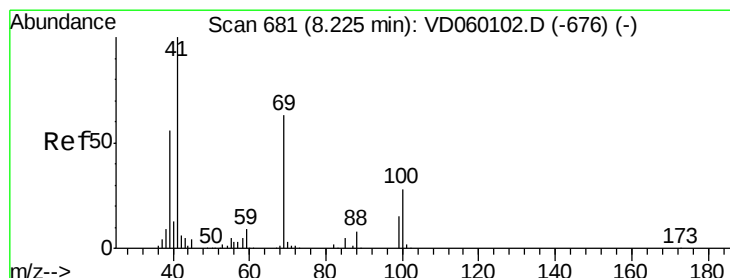
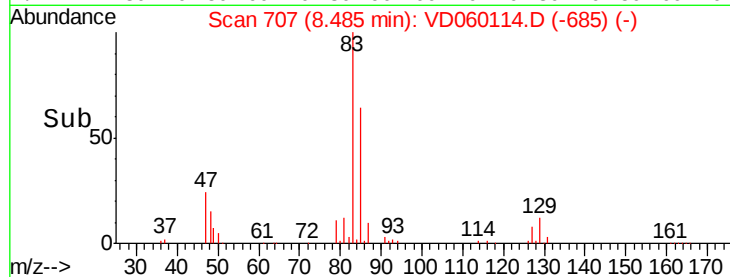
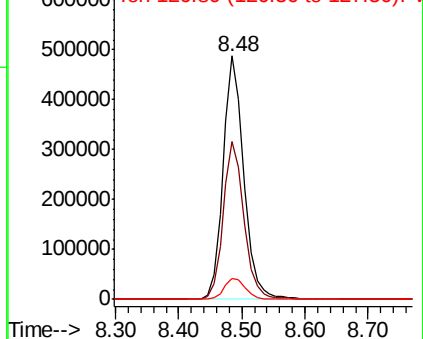
83 100

85 65.1 52.2 78.2

127 8.4 7.4 11.0



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: 55.091 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

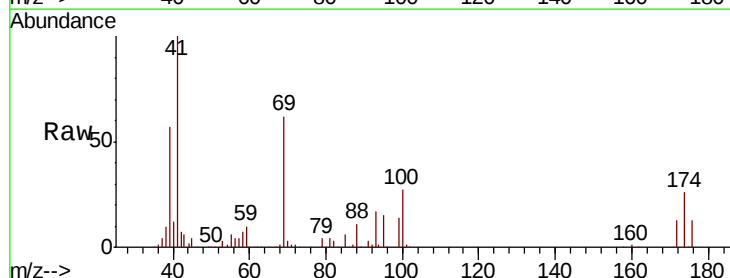
Tgt Ion: 41 Resp: 593822

Ion Ratio Lower Upper

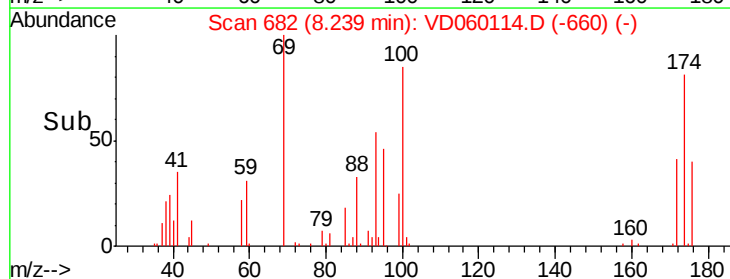
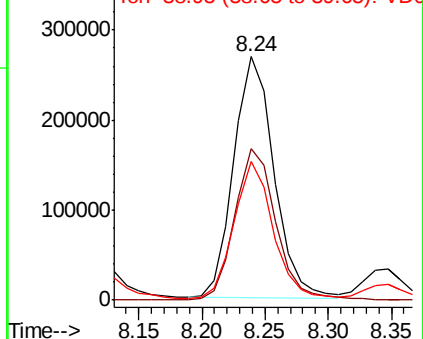
41 100

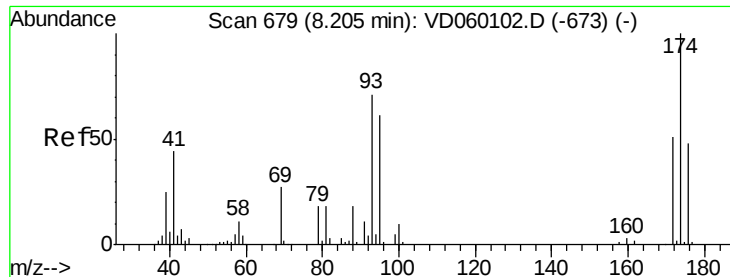
69 62.3 49.7 74.5

39 57.1 45.2 67.8



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

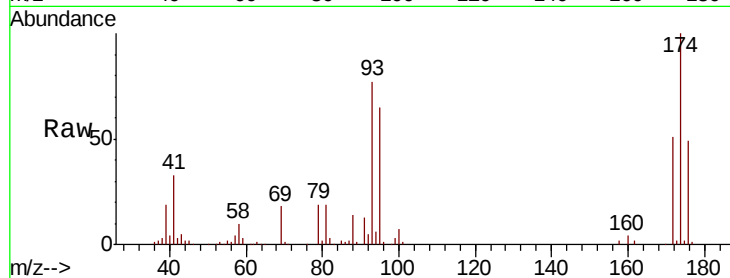




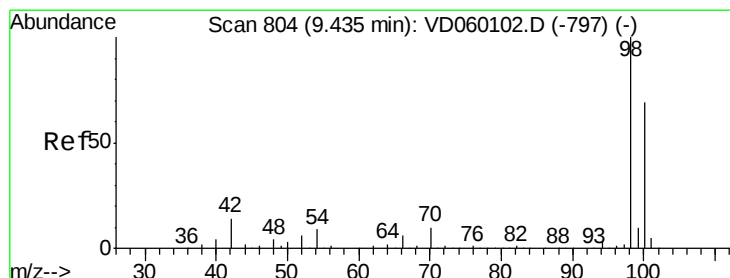
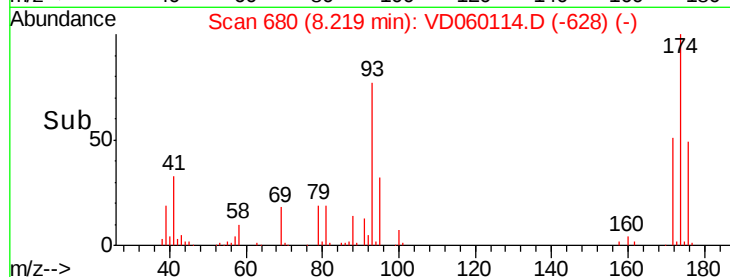
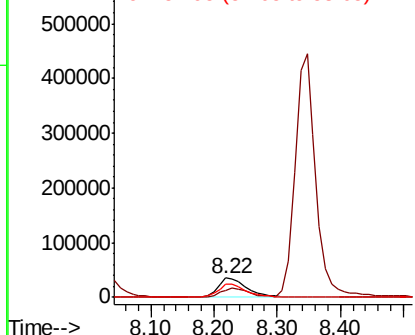
#49
1,4-Dioxane
Concen: 1091.533 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 115763
Ion Ratio Lower Upper
88 100
43 38.1 33.7 50.5
58 69.7 49.1 73.7

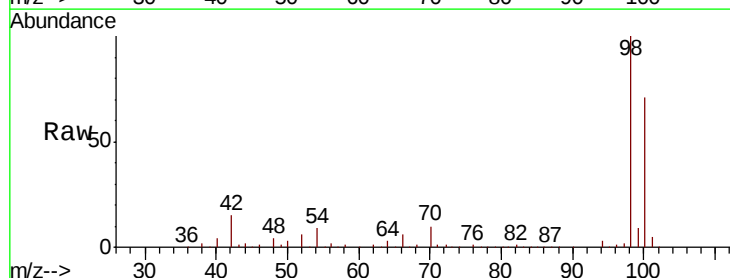


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

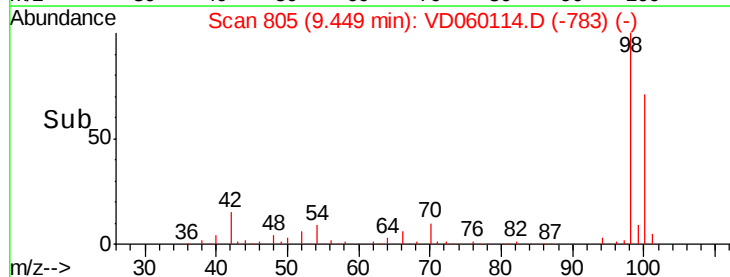
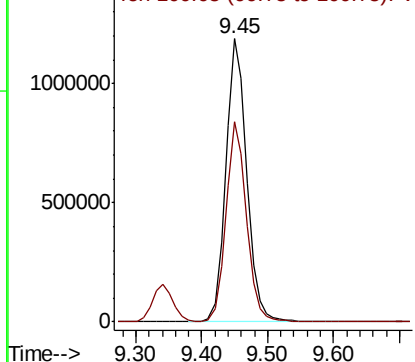


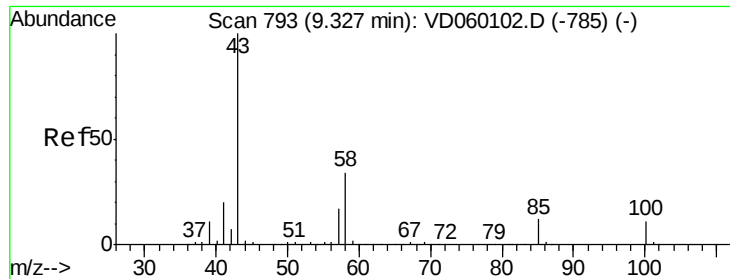
#50
Toluene-d8
Concen: 1091.533 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 98 Resp: 2635662
Ion Ratio Lower Upper
98 100
100 70.7 55.4 83.0



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





#51

4-Methyl-2-Pentanone

Concen: 272.269 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

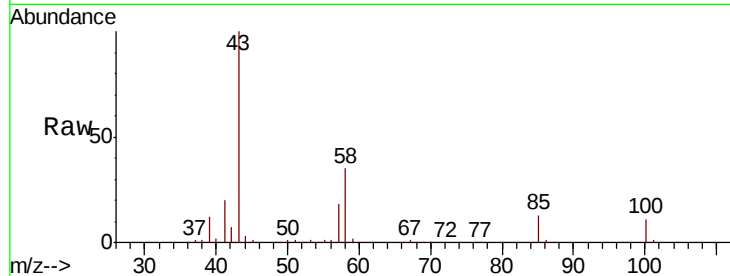
VSTDCCC050

Tot Ion: 43 Resp: 3249630

Ion Ratio Lower Upper

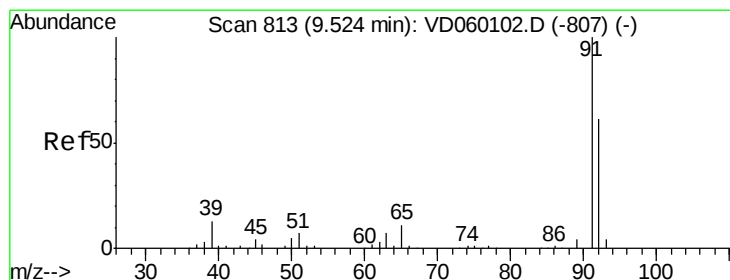
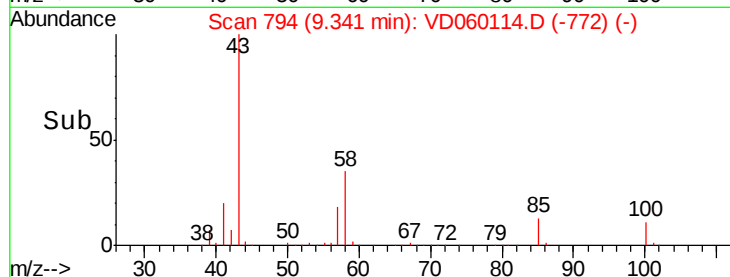
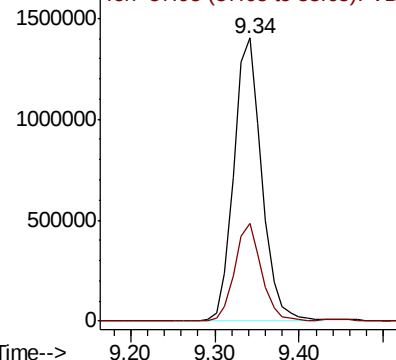
43 100

58 34.6 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.114 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060114.D

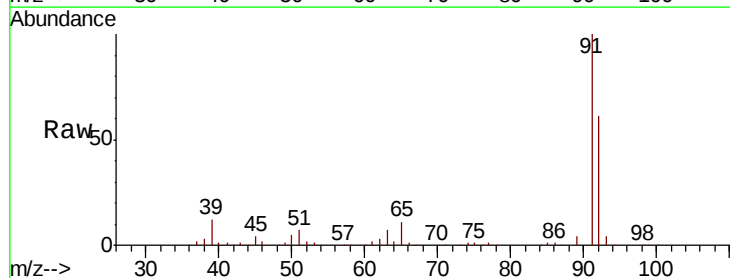
Acq: 3 Oct 2018 12:08

Tgt Ion: 92 Resp: 1902726

Ion Ratio Lower Upper

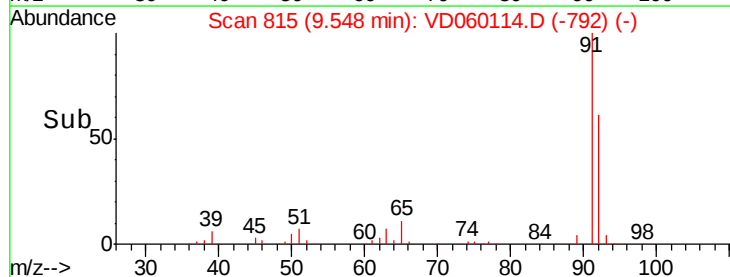
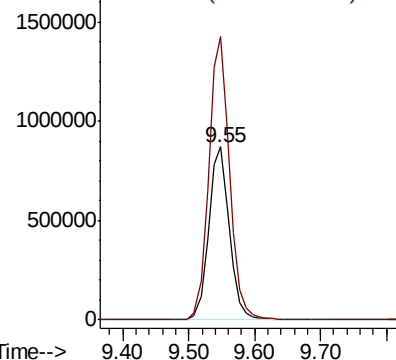
92 100

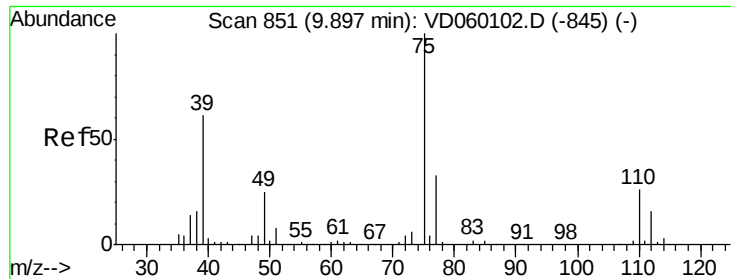
91 163.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 54.550 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

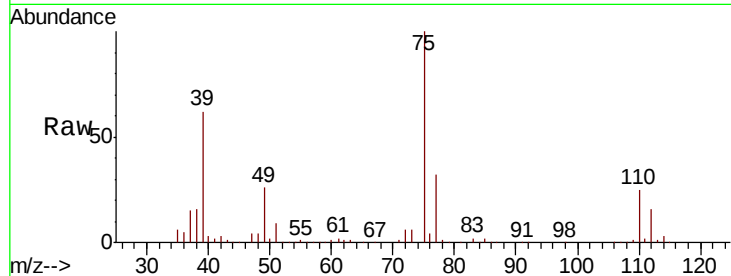
VSTDCCC050

Tot Ion: 75 Resp: 1010729

Ion Ratio Lower Upper

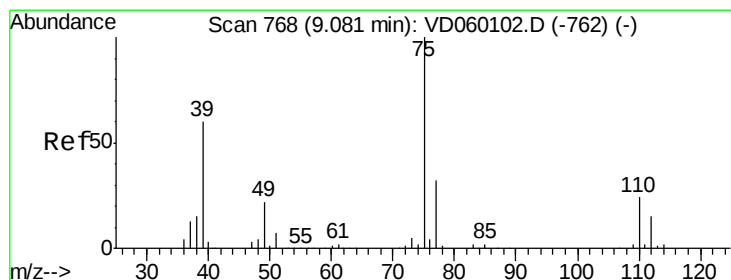
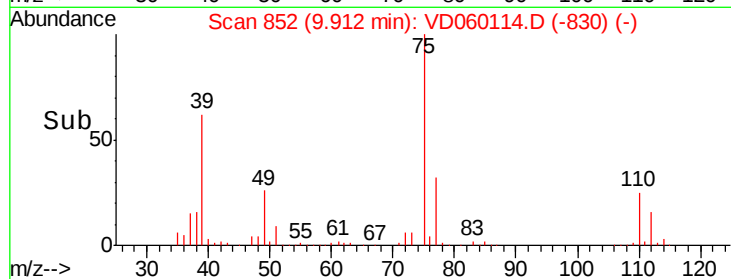
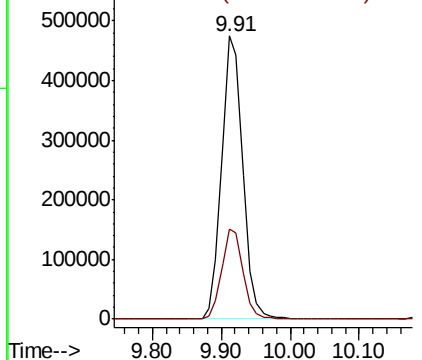
75 100

77 31.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 53.795 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

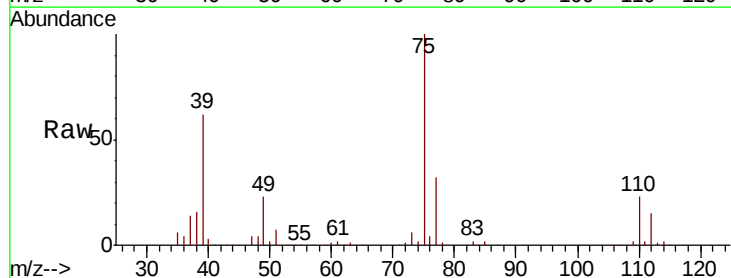
Tgt Ion: 75 Resp: 1230825

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

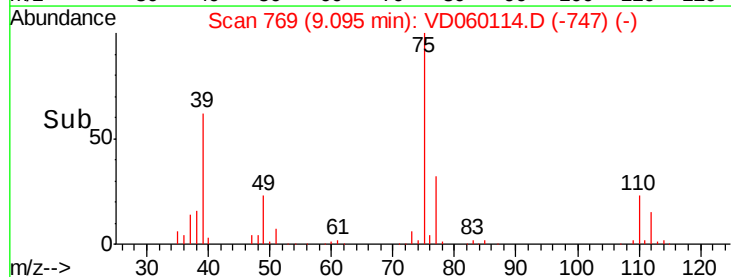
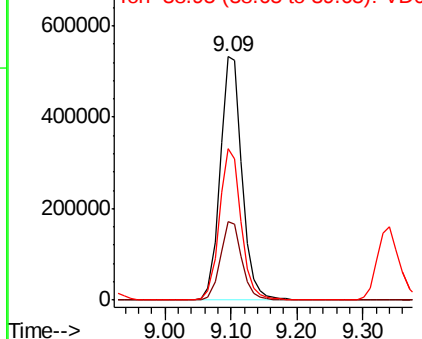
39 62.4 48.2 72.4

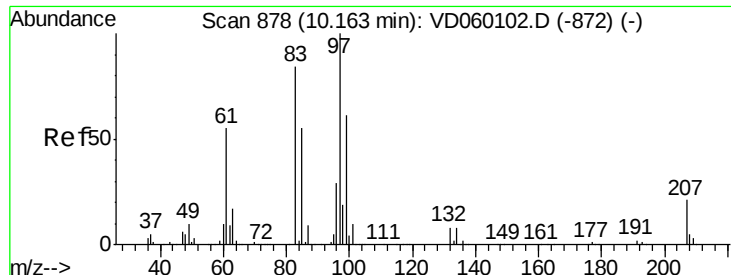


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

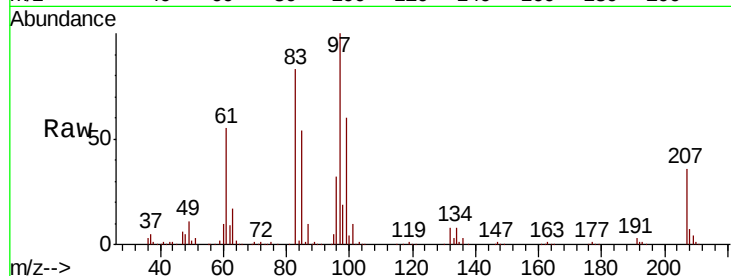




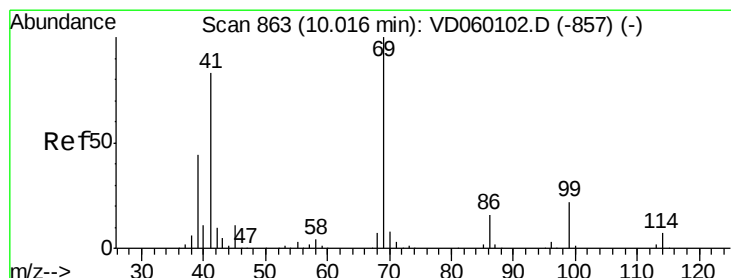
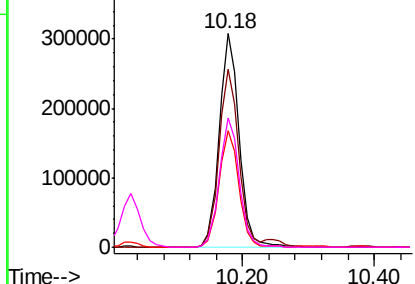
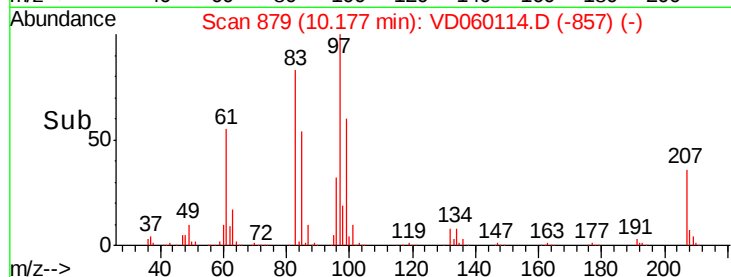
#55
 1,1,2-Trichloroethane
 Concen: 54.058 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 645235
 Ion Ratio Lower Upper
 97 100
 83 83.0 67.0 100.6
 85 54.4 43.9 65.9
 99 60.3 49.1 73.7

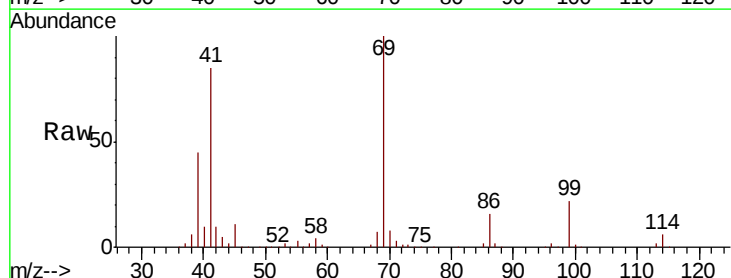


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

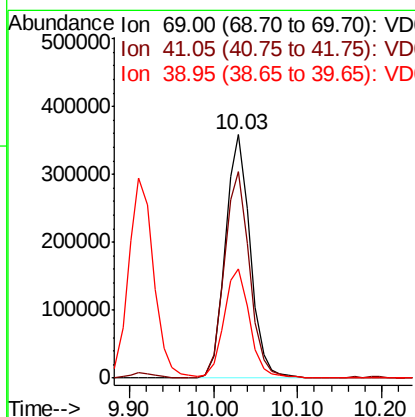
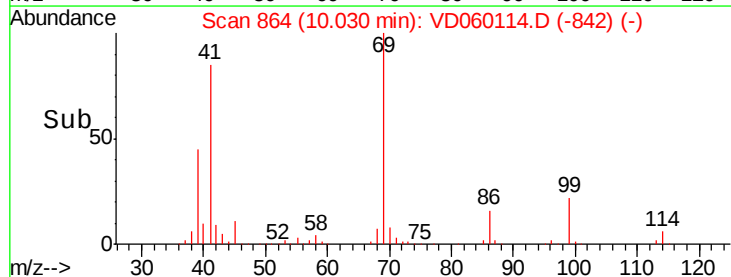


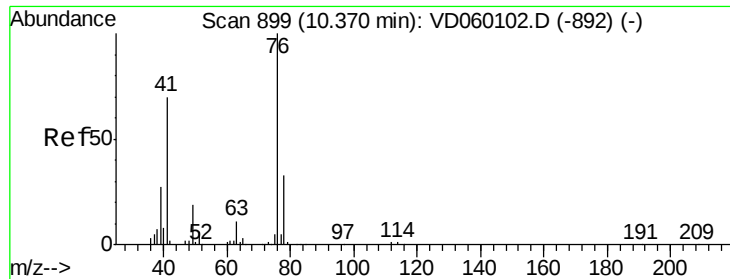
#56
 Ethyl methacrylate
 Concen: 55.723 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 69 Resp: 734189
 Ion Ratio Lower Upper
 69 100
 41 84.8 66.6 100.0
 39 45.0 36.0 54.0



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: 52.473 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

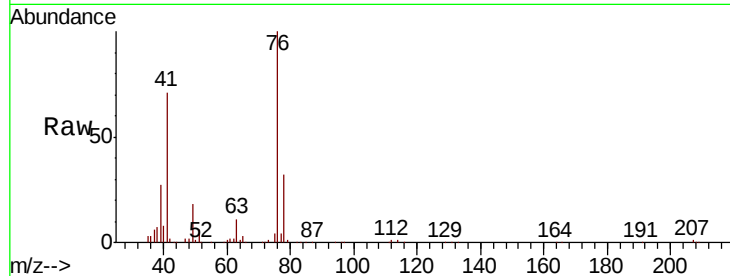
VSTDCCC050

Tot Ion: 76 Resp: 955218

Ion Ratio Lower Upper

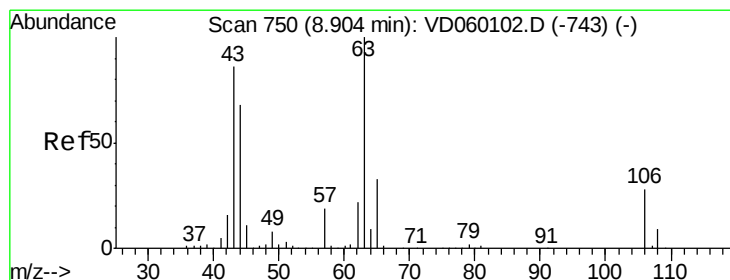
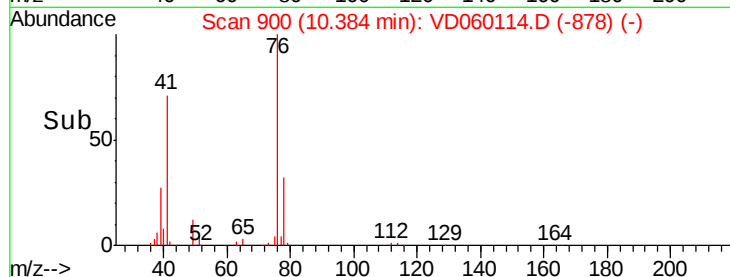
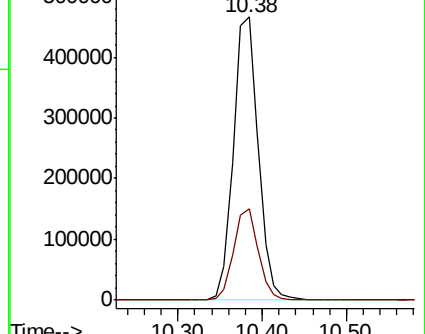
76 100

78 32.2 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 248.802 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060114.D

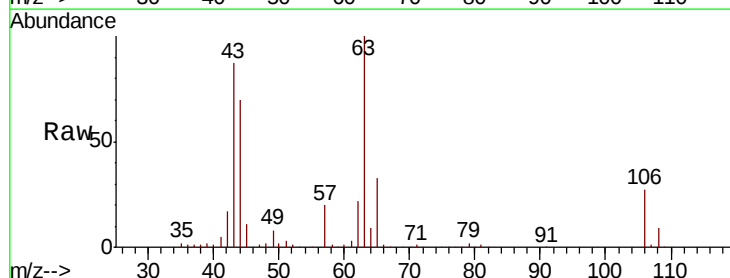
Acq: 3 Oct 2018 12:08

Tgt Ion: 63 Resp: 1820376

Ion Ratio Lower Upper

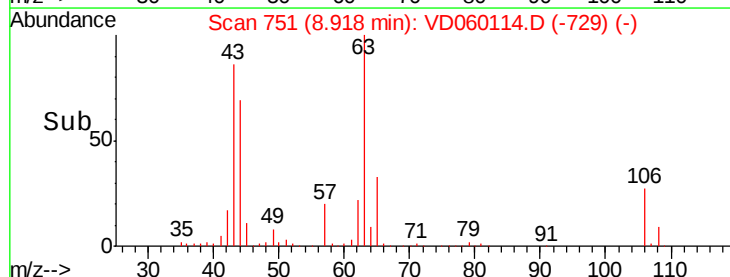
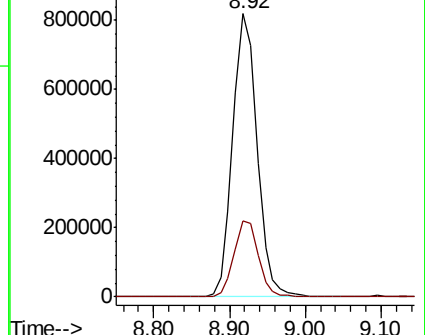
63 100

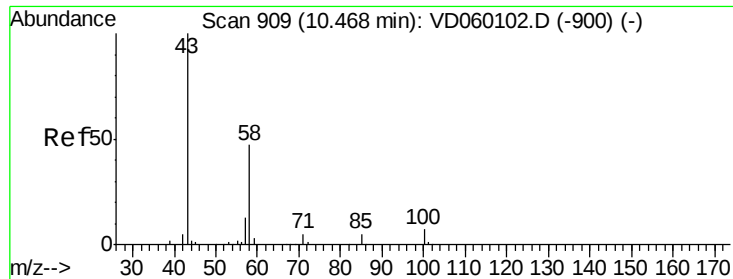
106 26.7 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

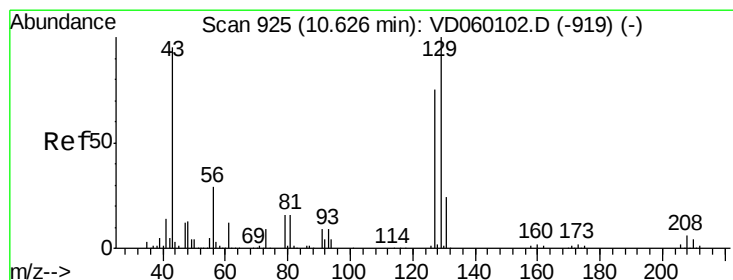
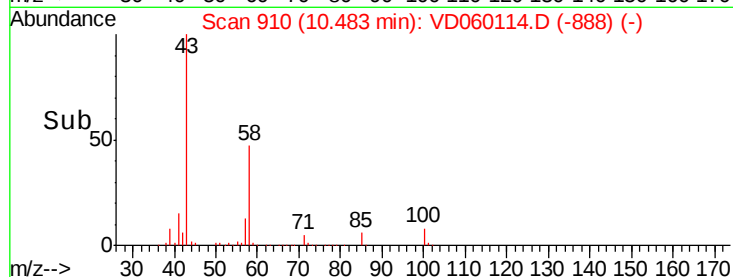
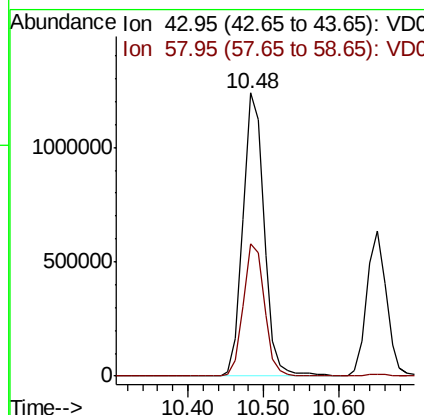
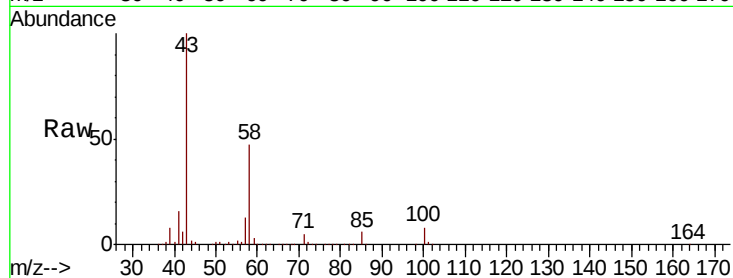




#59
2-Hexanone
Concen: 278.242 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

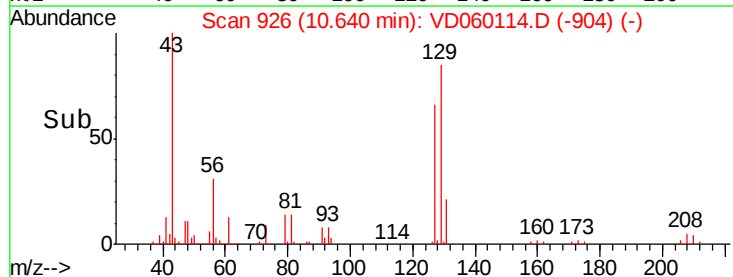
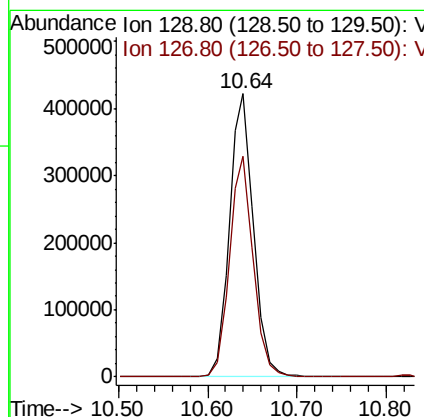
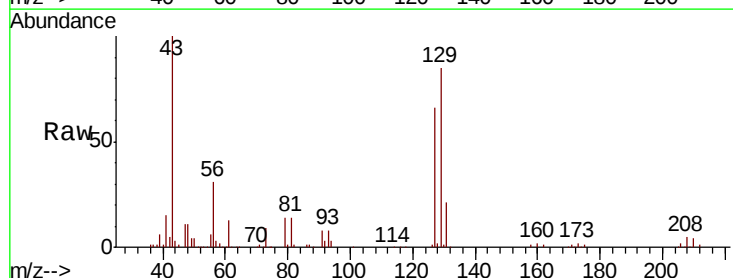
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

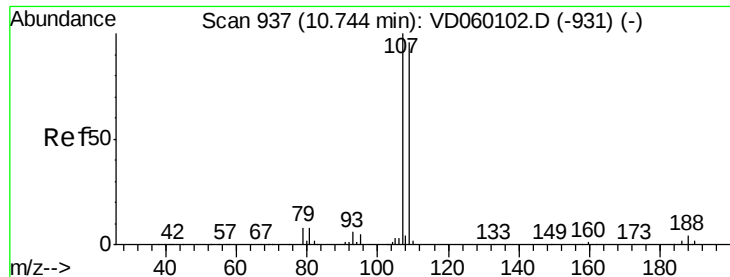
Tot Ion: 43 Resp: 2388008
Ion Ratio Lower Upper
43 100
58 46.7 23.3 69.9



#60
Dibromochloromethane
Concen: 54.449 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:129 Resp: 797392
Ion Ratio Lower Upper
129 100
127 77.8 37.4 112.2





#61

1,2-Dibromoethane

Concen: 53.191 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

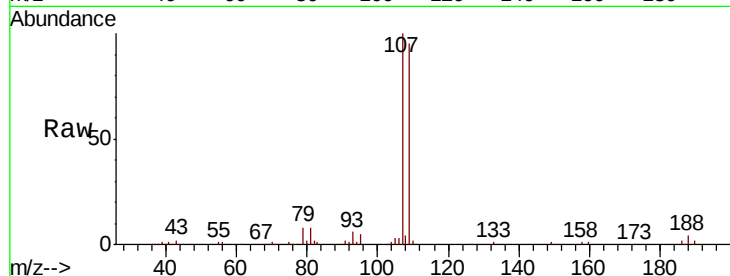
VSTDCCC050

Tot Ion:107 Resp: 674587

Ion Ratio Lower Upper

107 100

109 95.0 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

400000

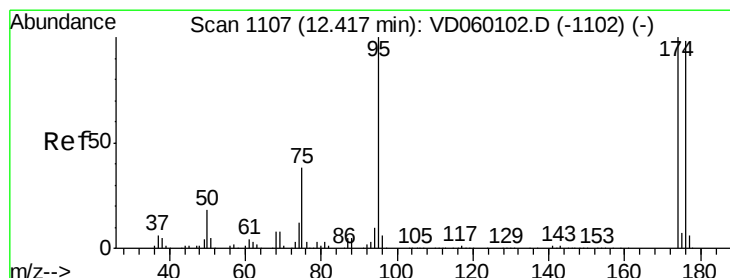
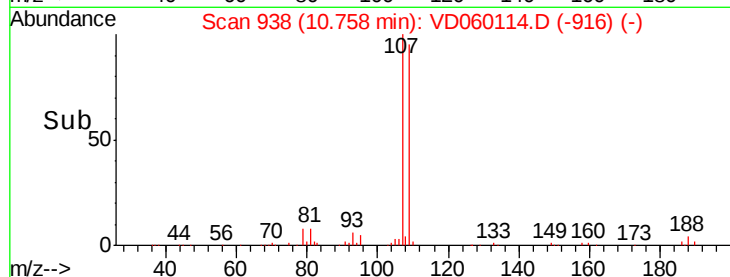
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.191 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

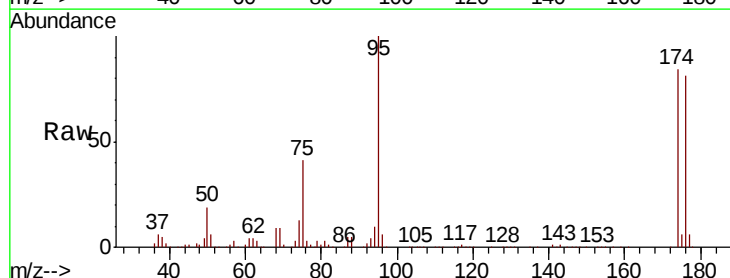
Tgt Ion: 95 Resp: 967504

Ion Ratio Lower Upper

95 100

174 84.3 0.0 200.2

176 81.4 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

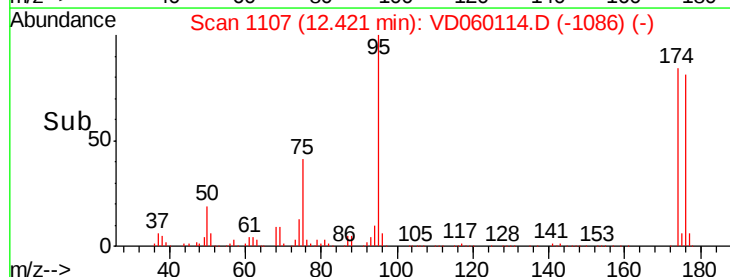
600000

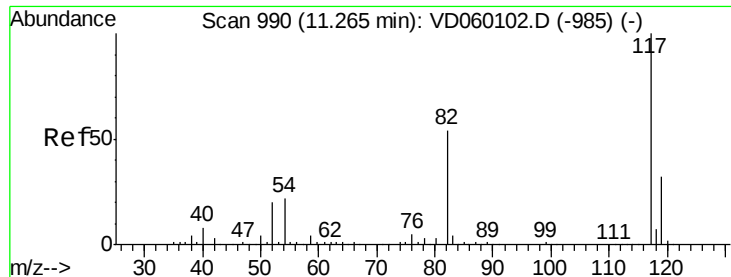
400000

200000

0

Time-->

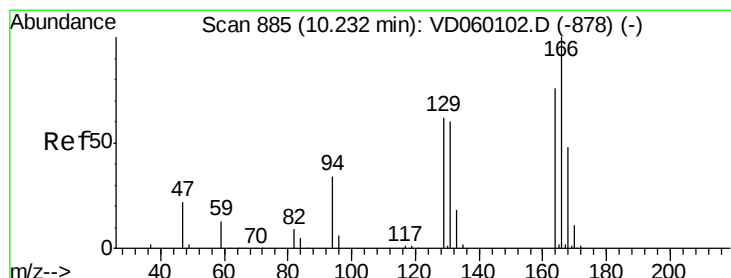
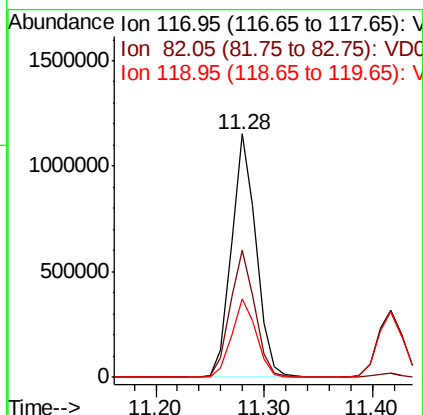
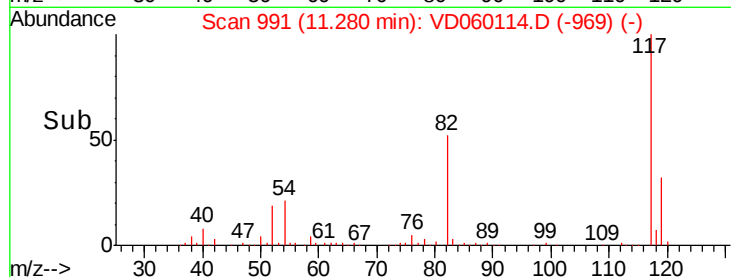
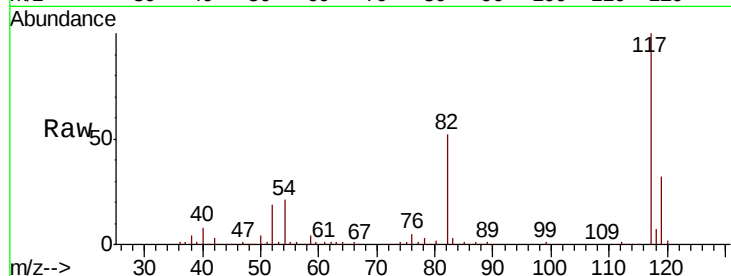




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

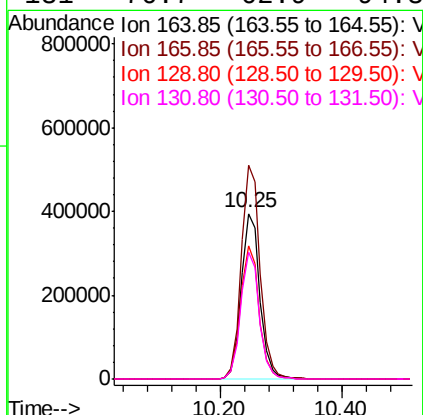
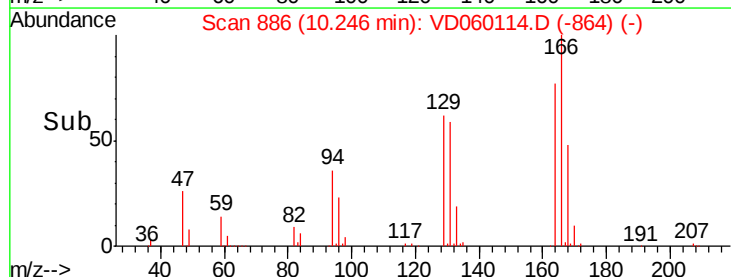
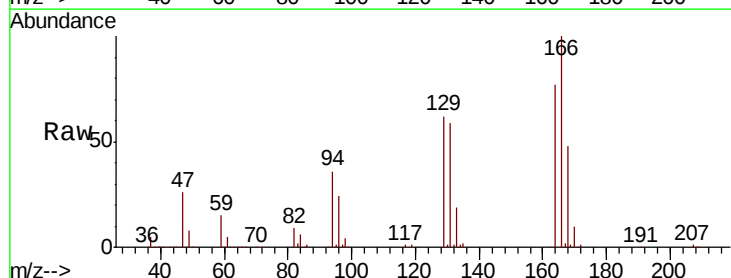
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

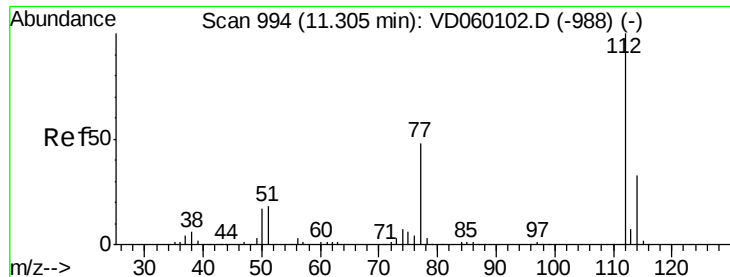
Tot Ion:117 Resp: 1827520
Ion Ratio Lower Upper
117 100
82 52.0 43.4 65.2
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 52.765 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:164 Resp: 844577
Ion Ratio Lower Upper
164 100
166 129.3 105.4 158.0
129 80.7 65.7 98.5
131 76.7 62.9 94.3





#65

Chlorobenzene

Concen: 52.128 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

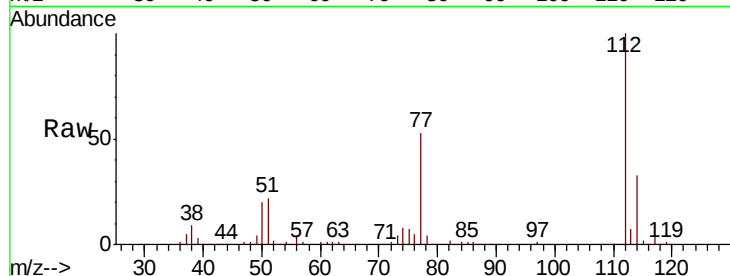
VSTDCCC050

Tot Ion:112 Resp: 2060934

Ion Ratio Lower Upper

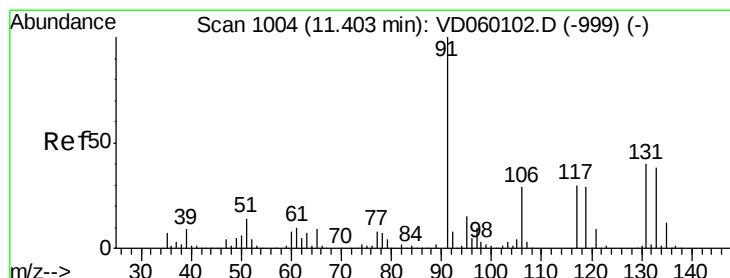
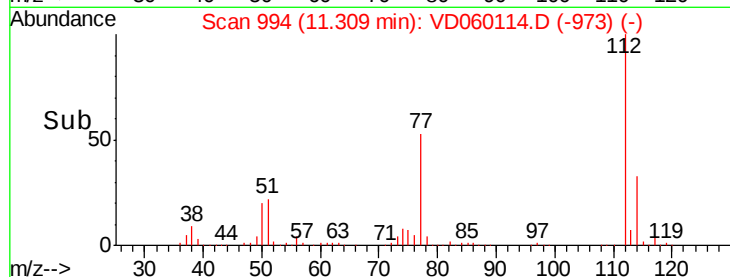
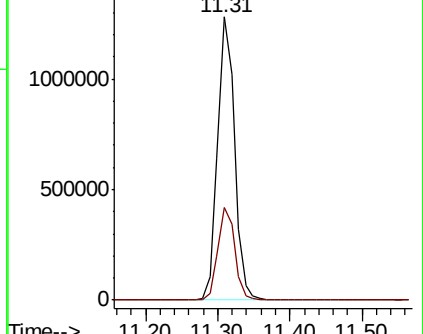
112 100

114 32.6 26.0 39.0



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: 53.807 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

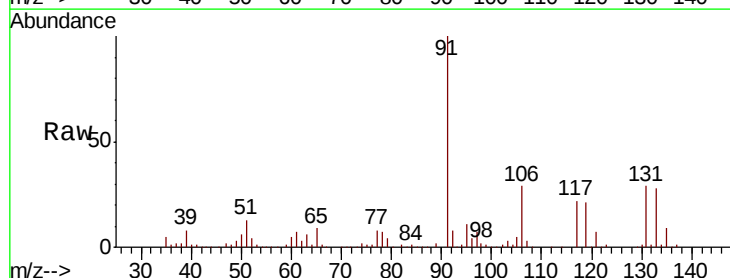
Tgt Ion:131 Resp: 709667

Ion Ratio Lower Upper

131 100

133 97.9 47.4 142.3

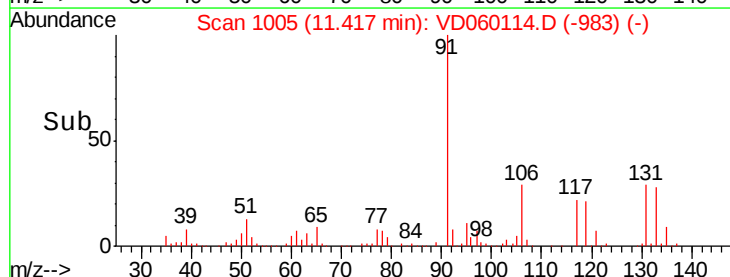
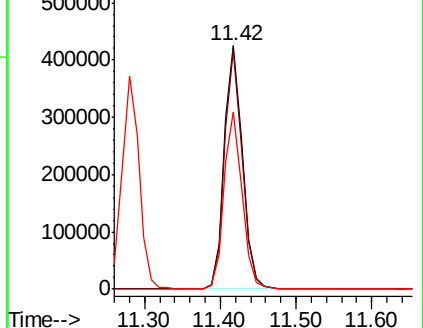
119 72.8 36.1 108.3



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

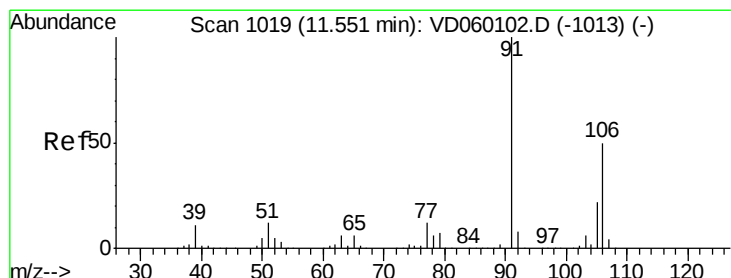
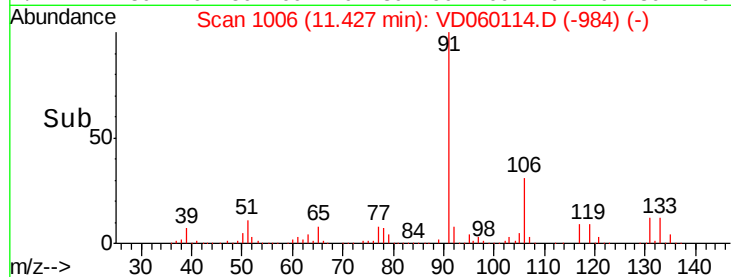
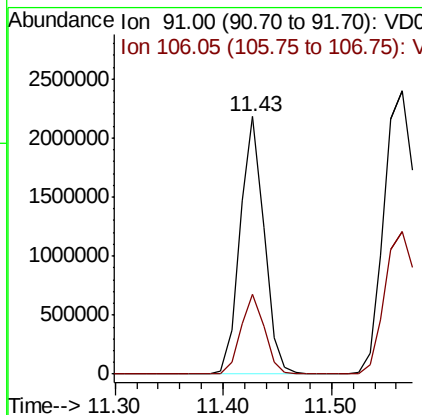
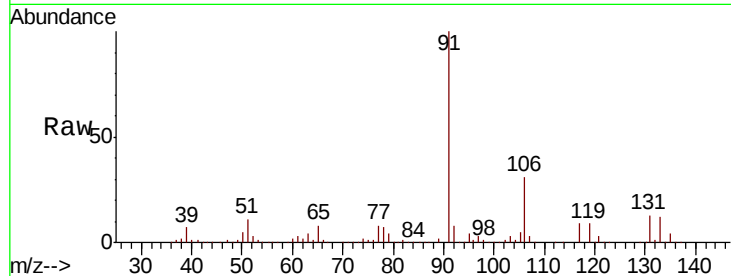




#67
Ethyl Benzene
Concen: 52.476 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

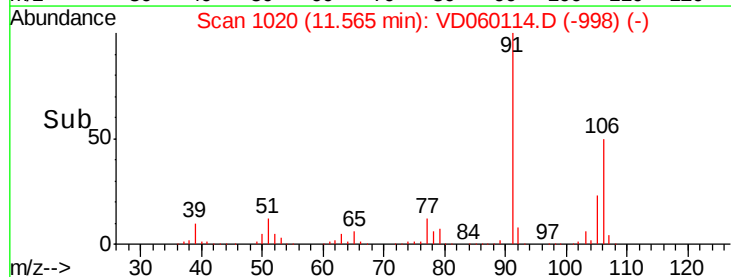
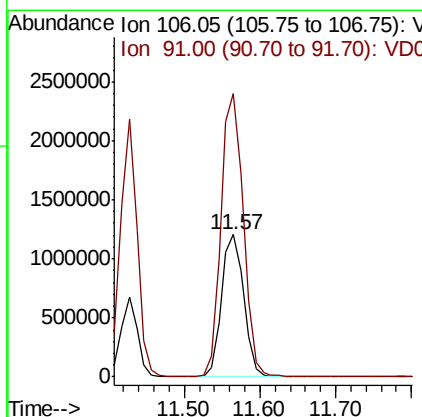
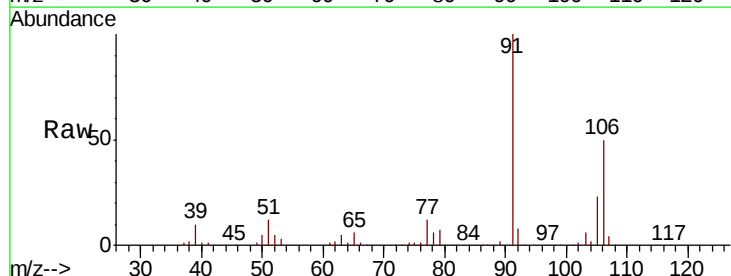
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3361381
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6



#68
m/p-Xylenes
Concen: 102.175 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 106 Resp: 2445412
Ion Ratio Lower Upper
106 100
91 199.2 160.0 240.0

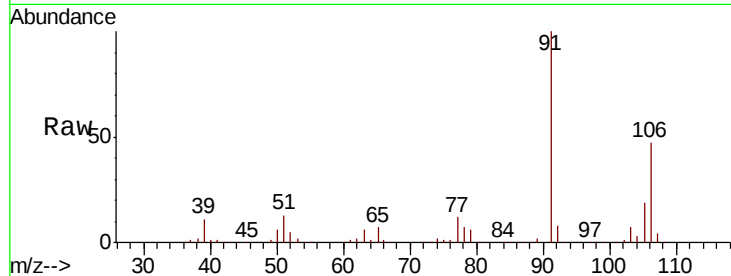




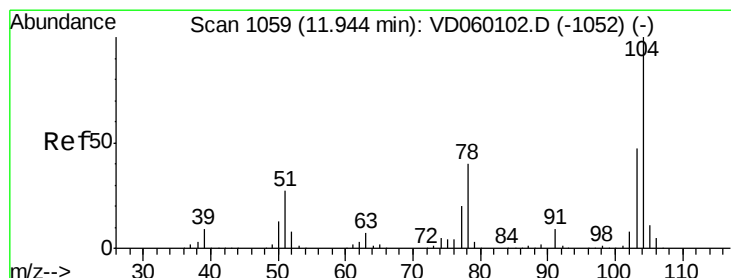
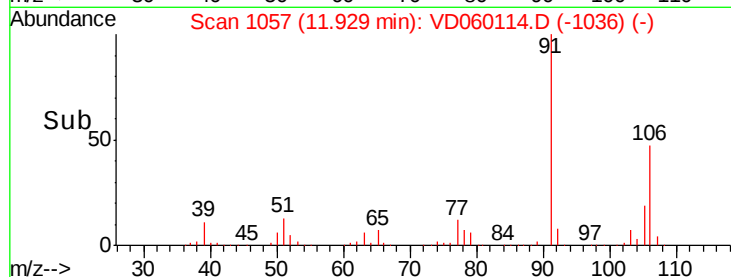
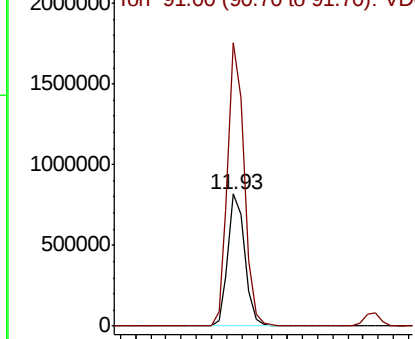
#69
o-Xylene
Concen: 53.142 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1258042
Ion Ratio Lower Upper
106 100
91 214.5 102.5 307.5

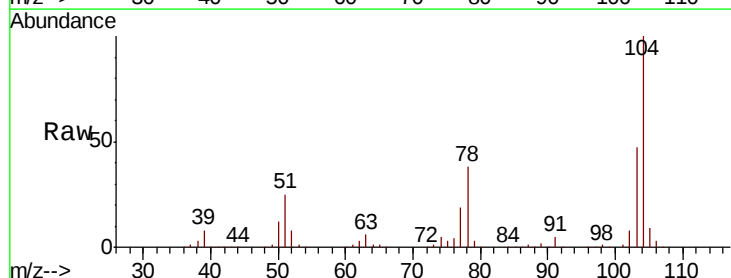


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

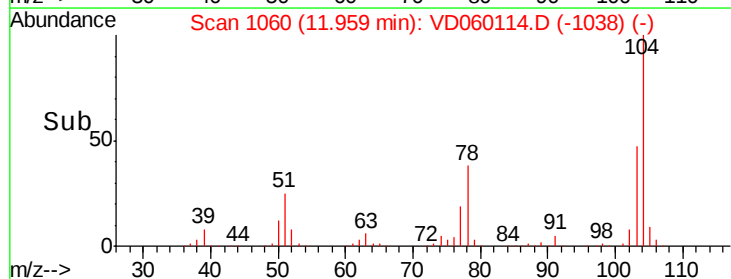
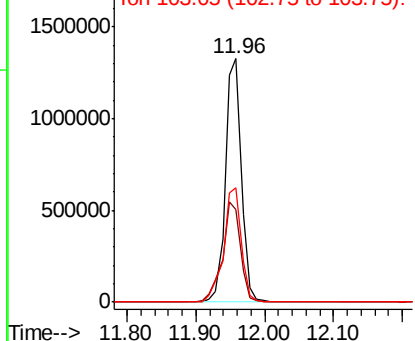


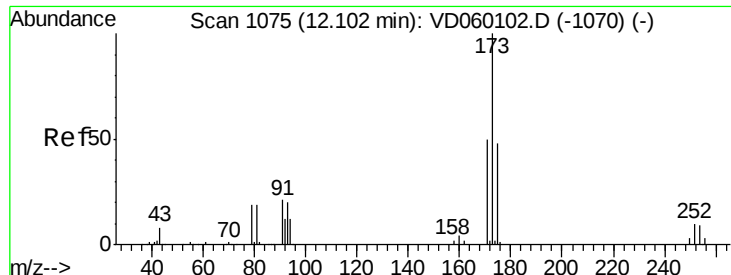
#70
Styrene
Concen: 53.402 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:104 Resp: 2114134
Ion Ratio Lower Upper
104 100
78 38.1 32.2 48.4
103 47.0 37.4 56.0



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





#71

Bromoform

Concen: 57.049 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

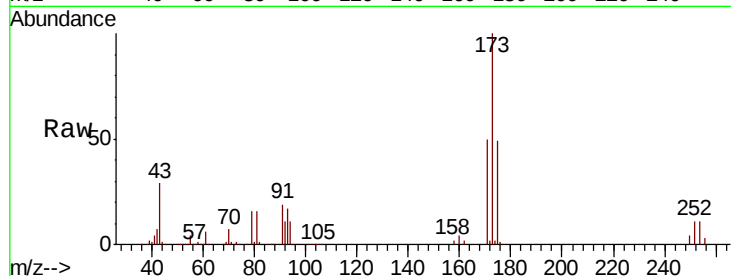
Tot Ion:173 Resp: 609281

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

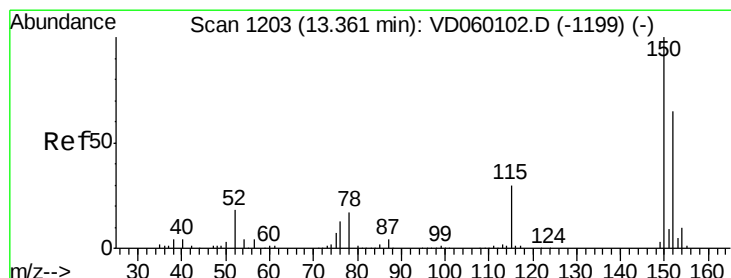
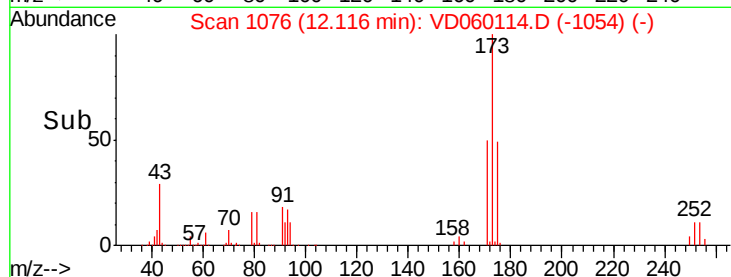
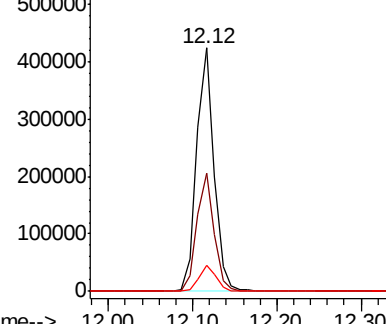
254 10.6 7.4 11.0



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: 13.38 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

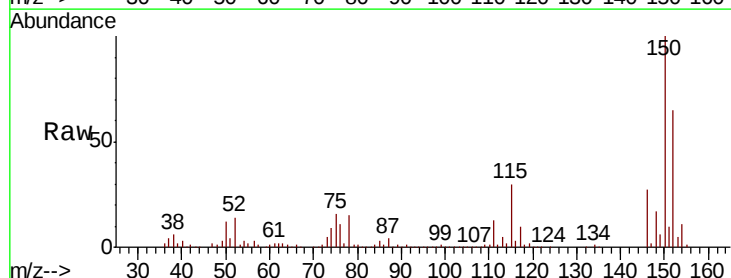
Tgt Ion:152 Resp: 938076

Ion Ratio Lower Upper

152 100

115 46.4 27.1 81.2

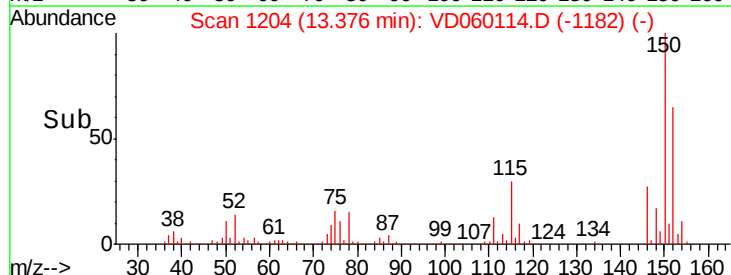
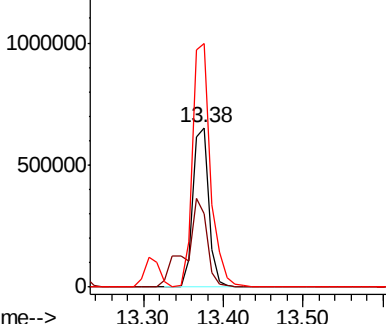
150 152.8 0.0 311.8

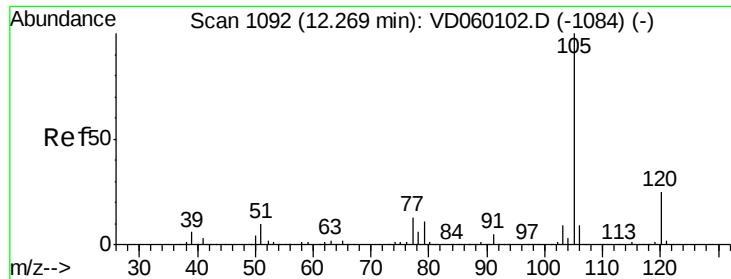


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.122 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

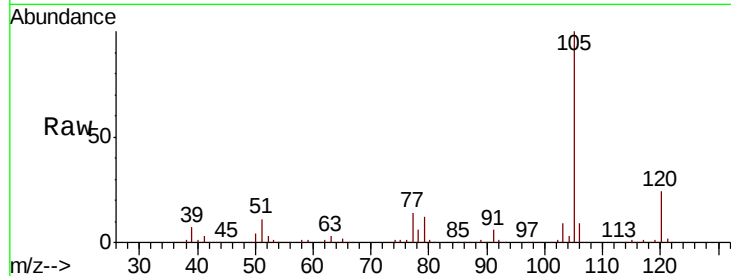
VSTDCCC050

Tot Ion:105 Resp: 3225679

Ion Ratio Lower Upper

105 100

120 24.5 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

2500000

2000000

1500000

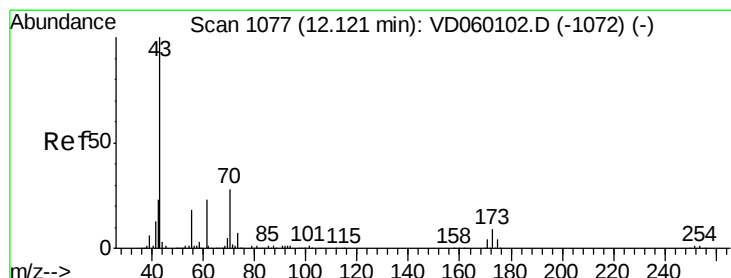
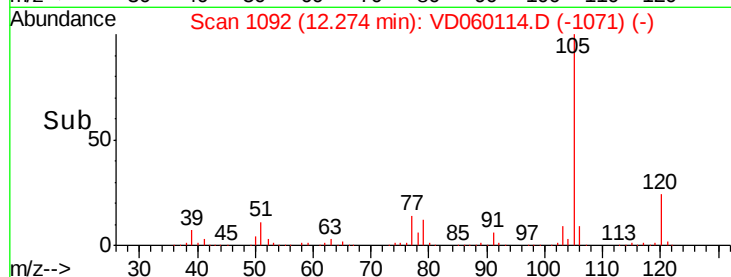
1000000

500000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 57.560 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion: 43 Resp: 1304808

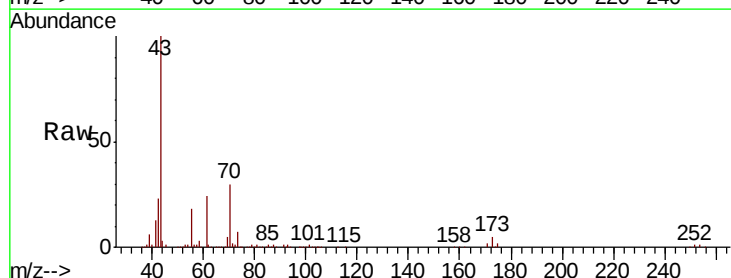
Ion Ratio Lower Upper

43 100

70 29.8 22.1 33.1

55 18.1 14.1 21.1

61 23.7 18.4 27.6



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

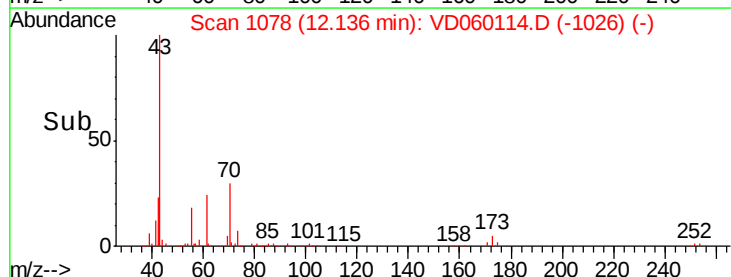
1000000

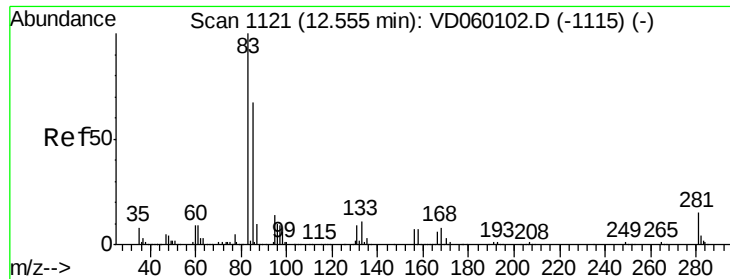
500000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 54.004 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

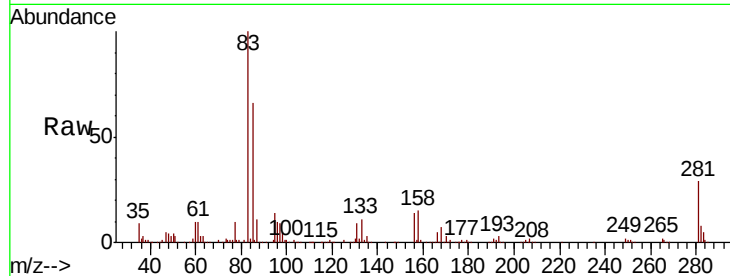
Tot Ion: 83 Resp: 729636

Ion Ratio Lower Upper

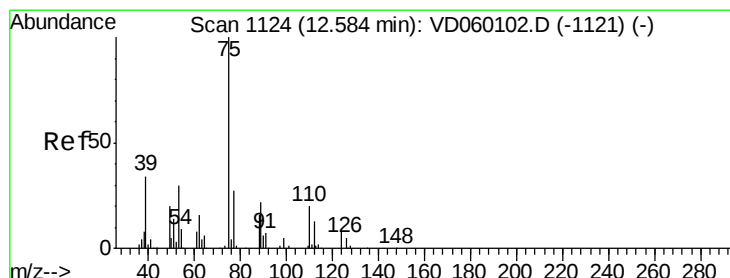
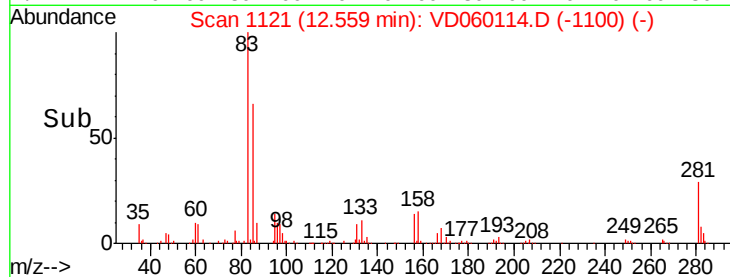
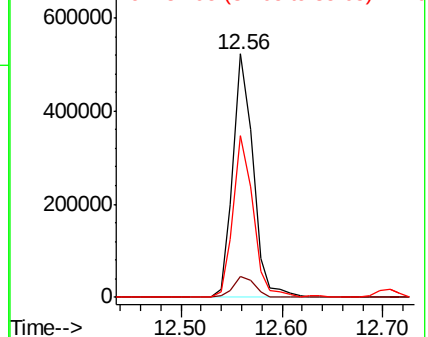
83 100

131 8.7 4.5 13.4

85 66.4 33.3 99.9



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: 55.717 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060114.D

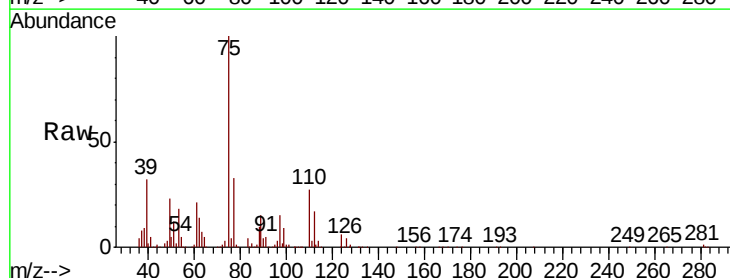
Acq: 3 Oct 2018 12:08

Tgt Ion: 75 Resp: 752703

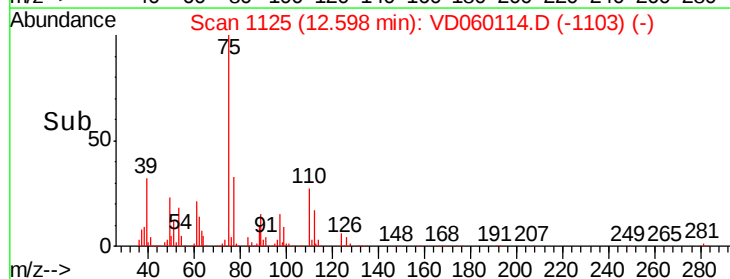
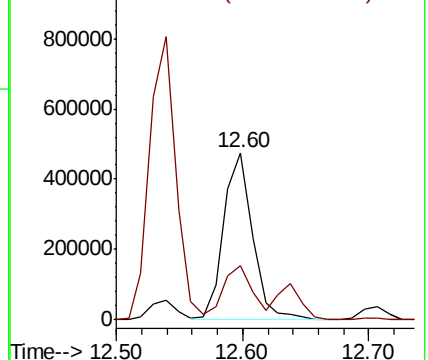
Ion Ratio Lower Upper

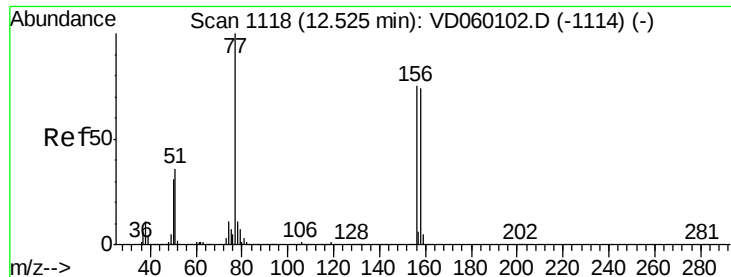
75 100

77 32.8 16.3 48.9



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





#77

Bromobenzene

Concen: 53.504 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

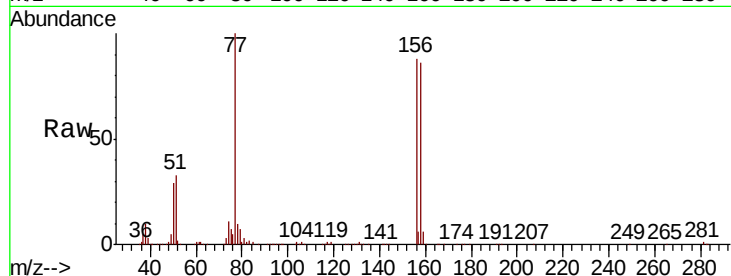
Tot Ion:156 Resp: 962201

Ion Ratio Lower Upper

156 100

77 113.6 66.9 200.7

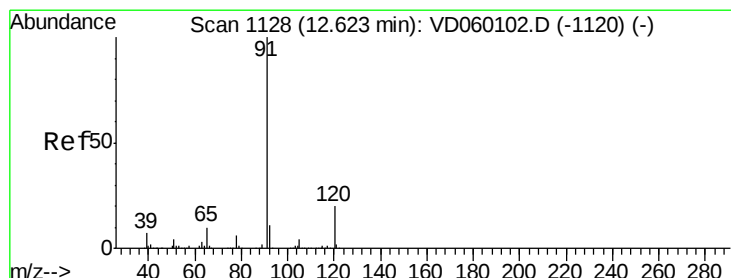
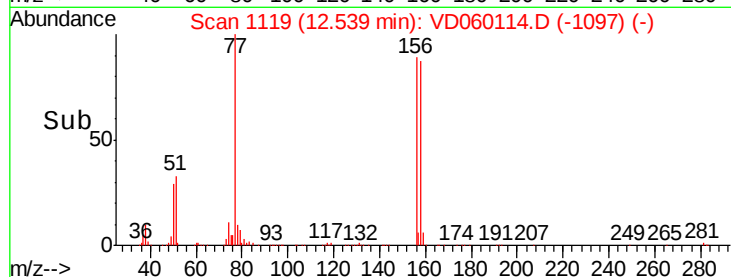
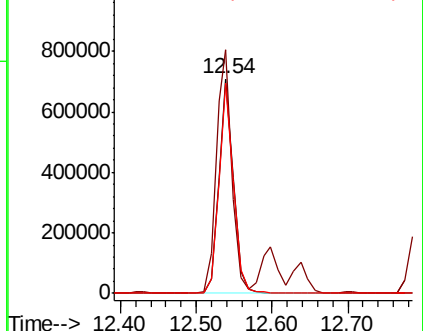
158 98.2 49.1 147.4



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: 52.902 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060114.D

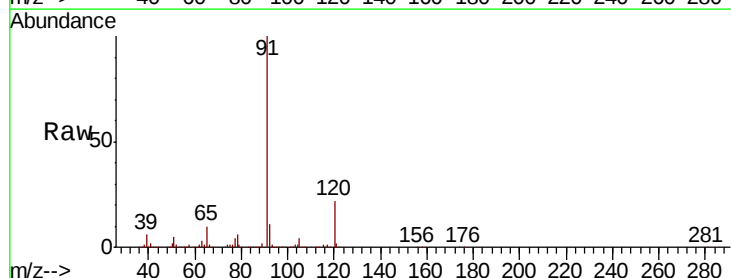
Acq: 3 Oct 2018 12:08

Tgt Ion: 91 Resp: 4065255

Ion Ratio Lower Upper

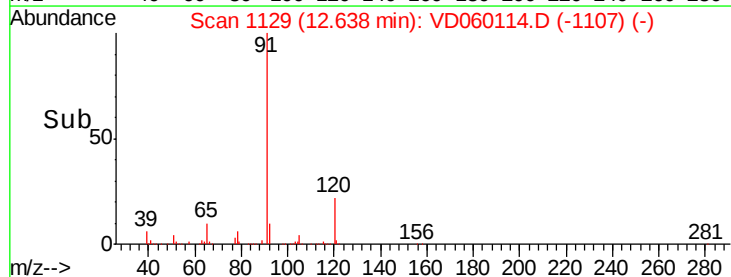
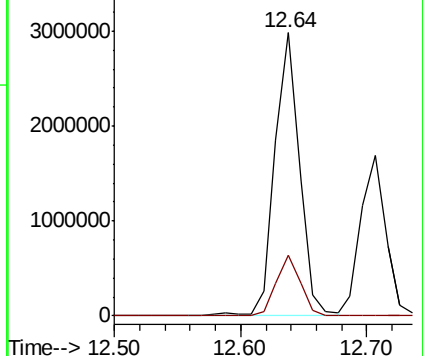
91 100

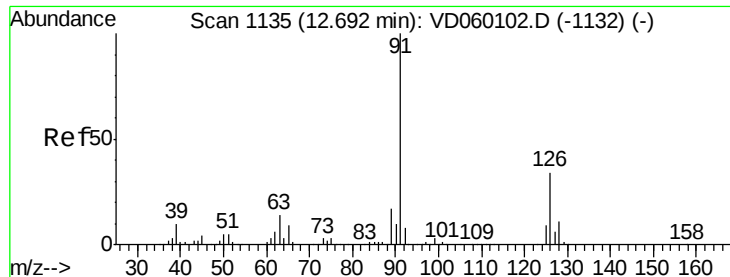
120 21.7 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

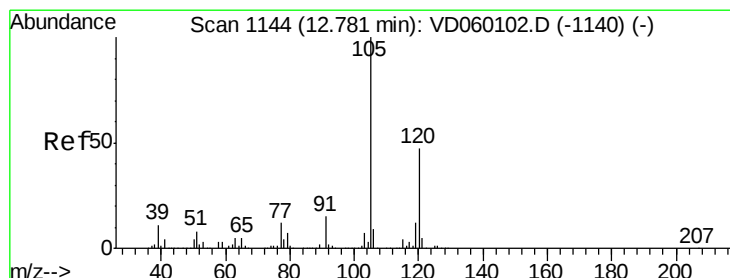
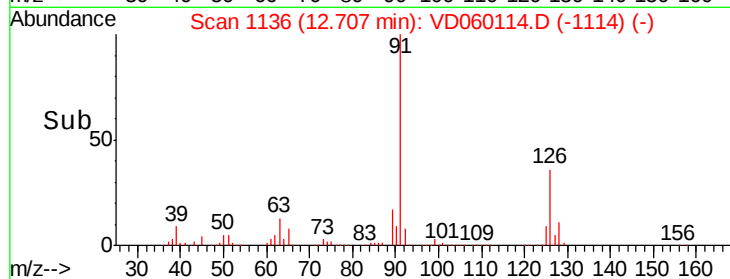
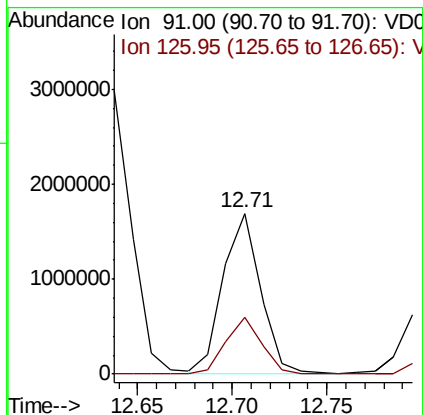
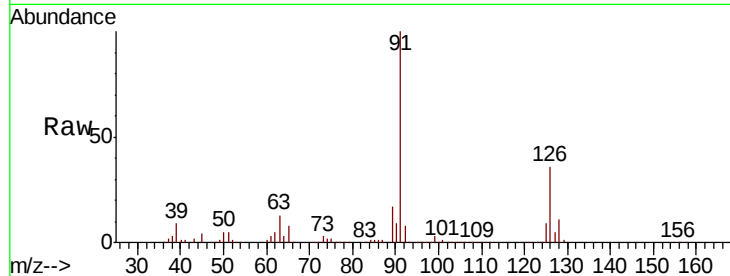




#79
 2-Chlorotoluene
 Concen: 54.097 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

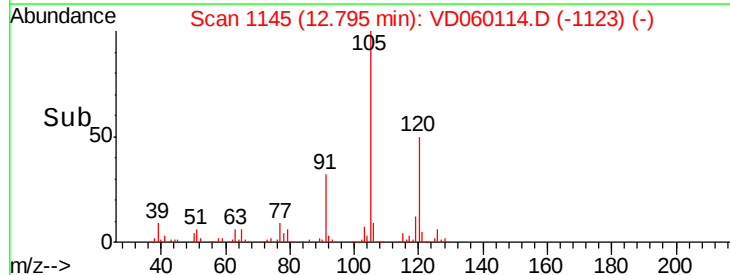
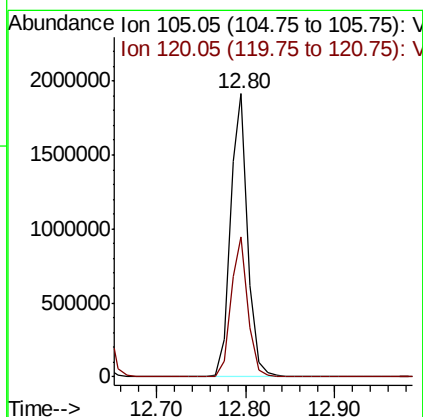
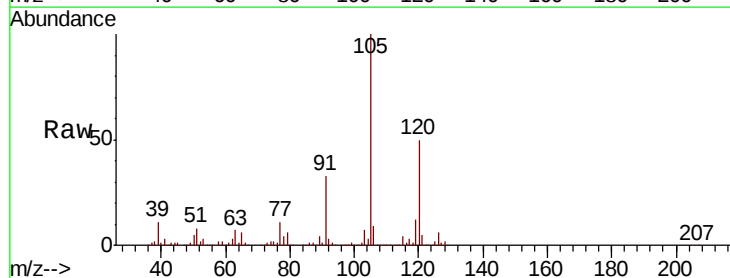
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

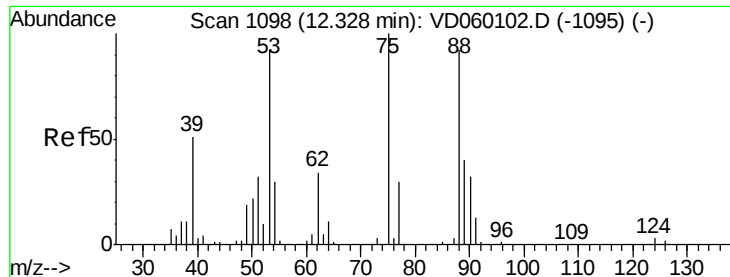
Tot Ion: 91 Resp: 2307199
 Ion Ratio Lower Upper
 91 100
 126 35.5 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 54.111 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion:105 Resp: 2591768
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 59.932 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

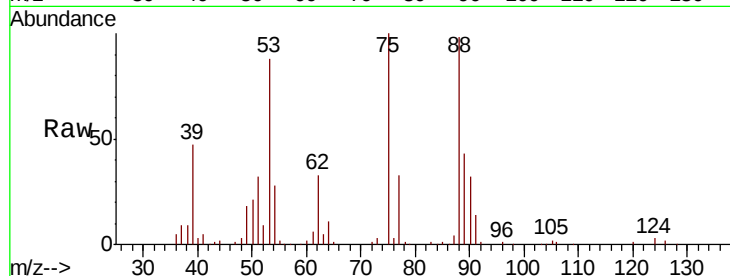
Tot Ion: 75 Resp: 227500

Ion Ratio Lower Upper

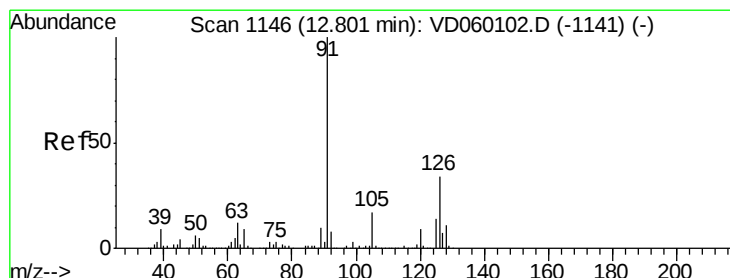
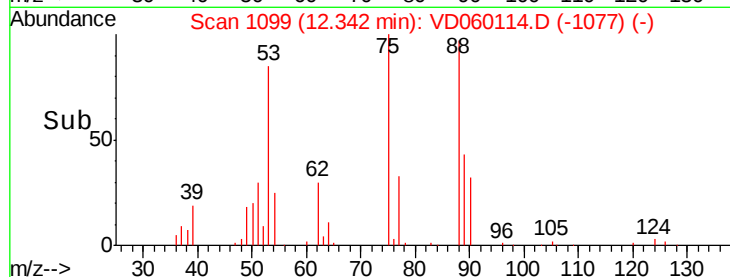
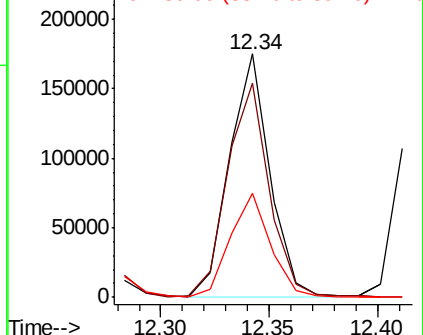
75 100

53 88.0 73.0 109.6

89 42.8 32.0 48.0



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: 53.739 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060114.D

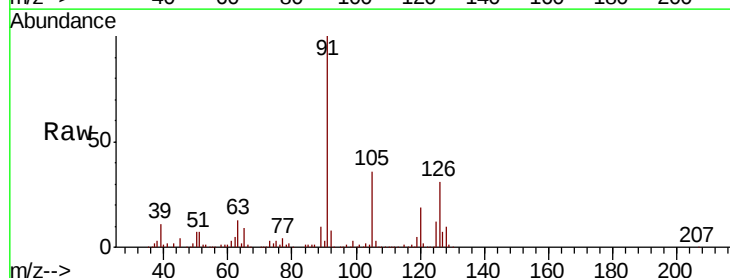
Acq: 3 Oct 2018 12:08

Tgt Ion: 91 Resp: 2592335

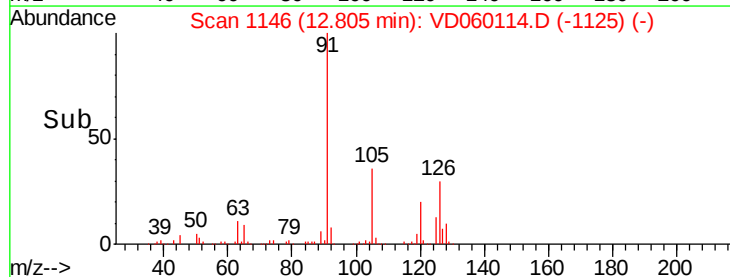
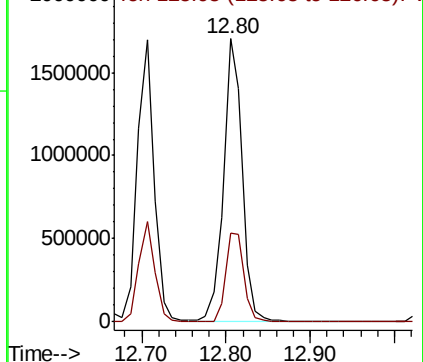
Ion Ratio Lower Upper

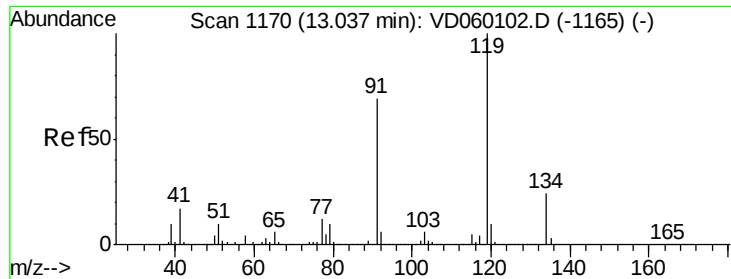
91 100

126 31.2 17.1 51.2



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

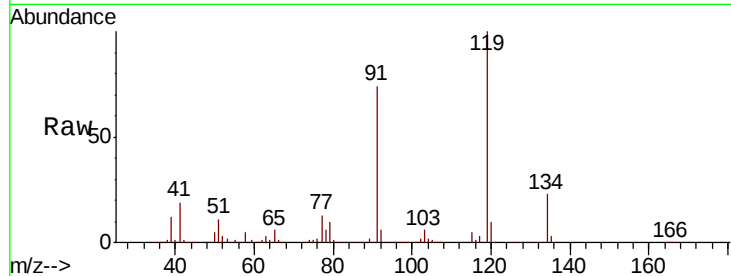




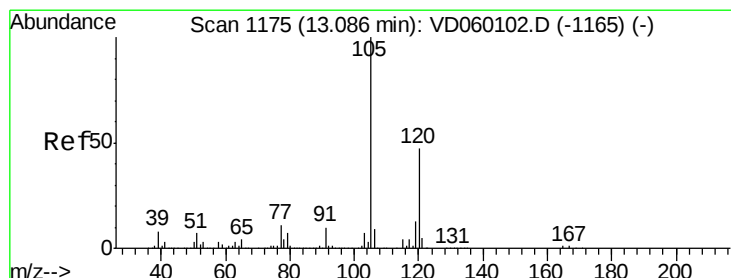
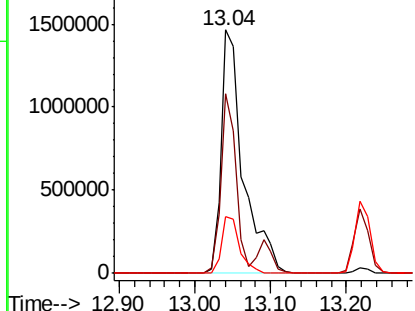
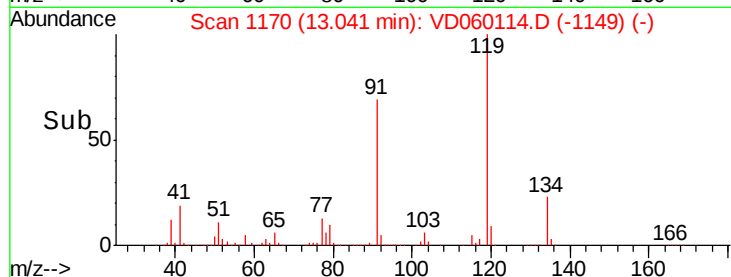
#83
 tert-Butylbenzene
 Concen: 54.424 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 2991396
 Ion Ratio Lower Upper
 119 100
 91 73.6 34.8 104.4
 134 23.1 11.8 35.4

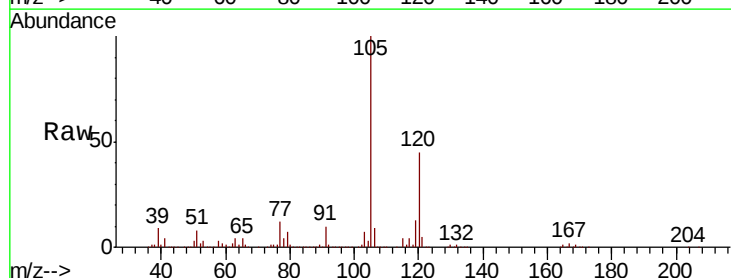


Abundance Ion 119.05 (118.75 to 119.75): V
 2000000 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

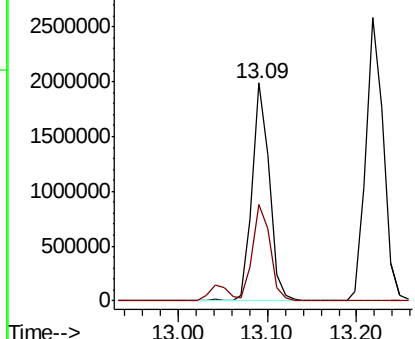
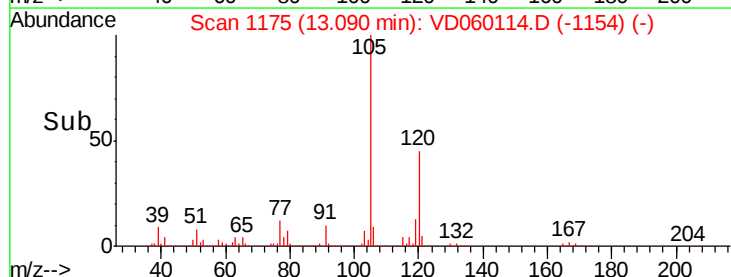


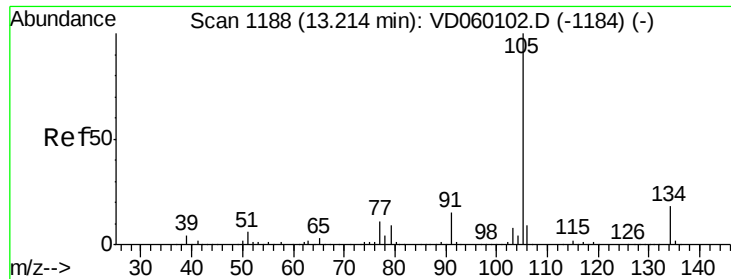
#84
 1,2,4-Trimethylbenzene
 Concen: 52.186 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion:105 Resp: 2634381
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V
 3000000 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 53.300 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

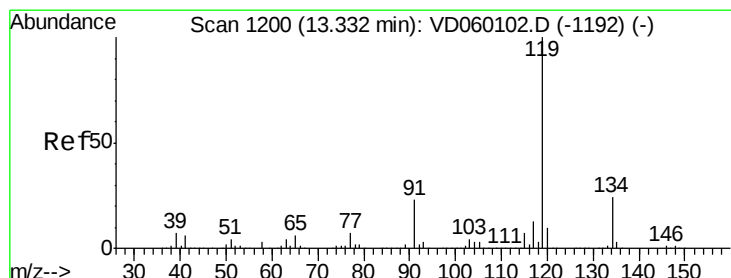
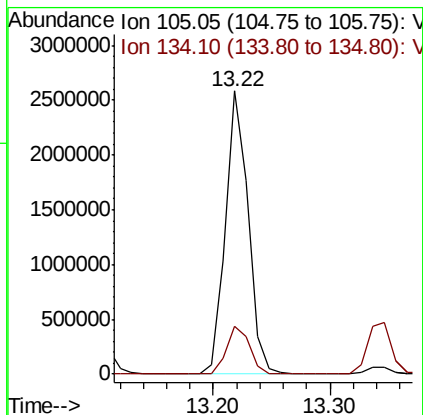
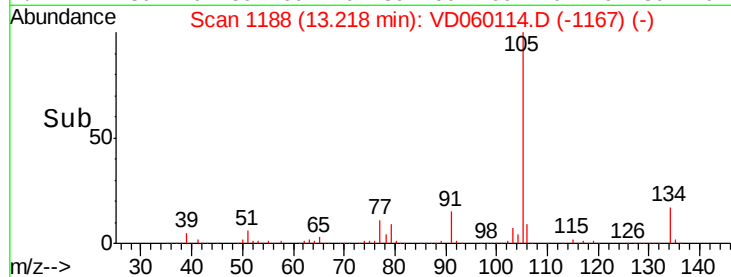
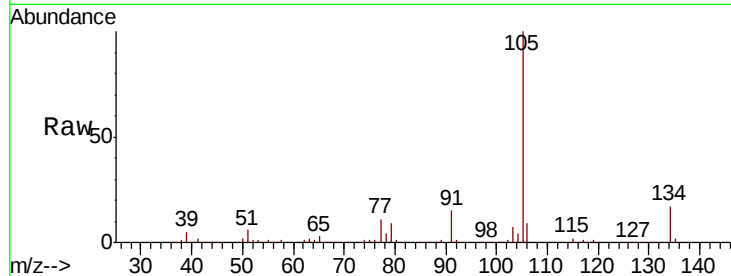
VSTDCCC050

Tot Ion:105 Resp: 3463856

Ion Ratio Lower Upper

105 100

134 16.8 8.8 26.2



#86

p-Isopropyltoluene

Concen: 51.789 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

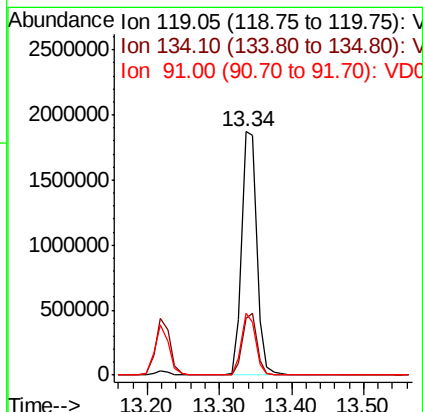
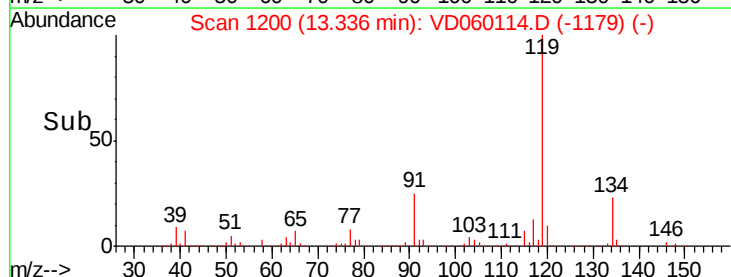
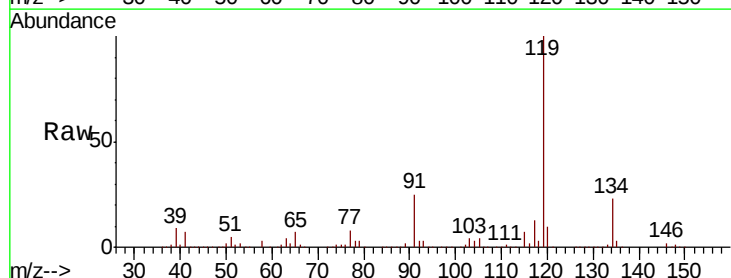
Tgt Ion:119 Resp: 2760558

Ion Ratio Lower Upper

119 100

134 23.3 12.3 36.8

91 25.5 11.8 35.4

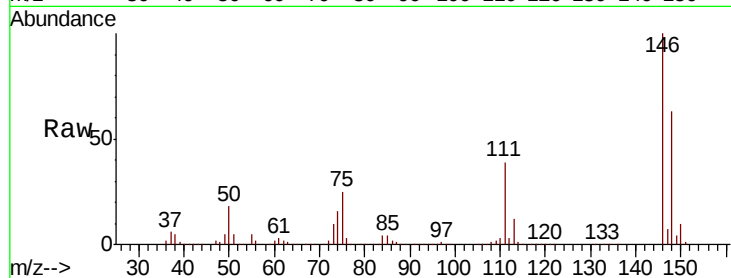




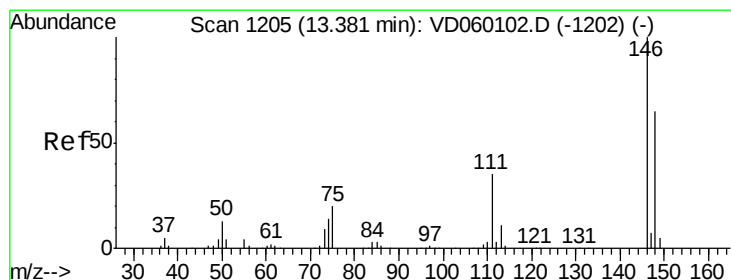
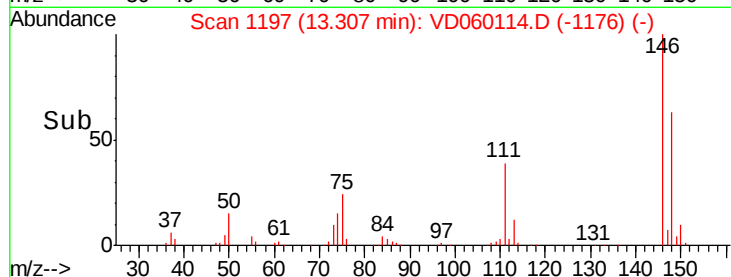
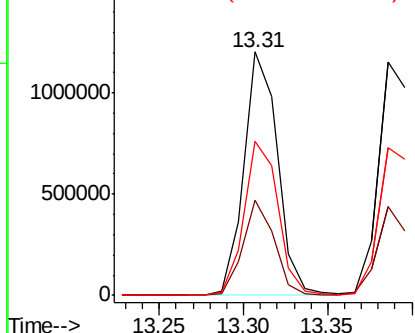
#87
 1,3-Dichlorobenzene
 Concen: 53.219 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1667495
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.1 54.3
 148 63.3 32.3 96.9

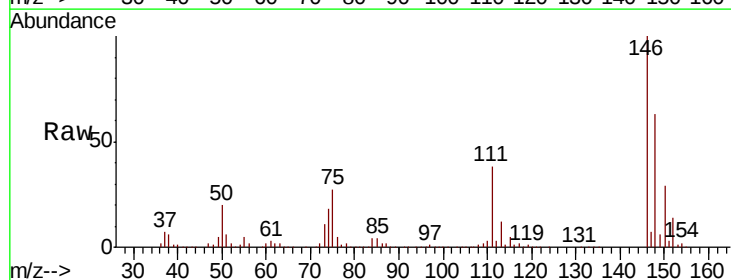


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

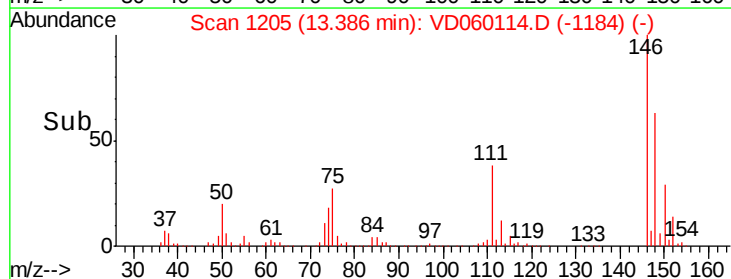
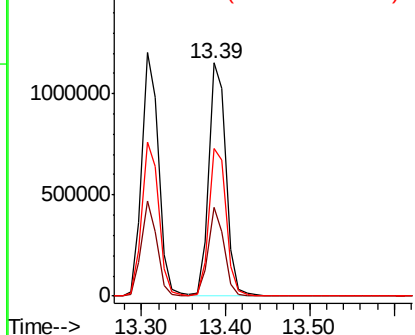


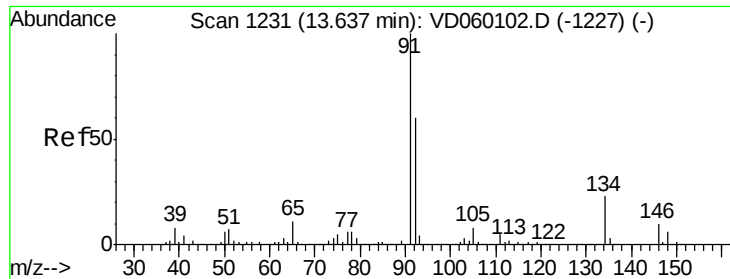
#88
 1,4-Dichlorobenzene
 Concen: 51.544 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion:146 Resp: 1622174
 Ion Ratio Lower Upper
 146 100
 111 38.0 17.8 53.3
 148 63.3 32.4 97.2



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

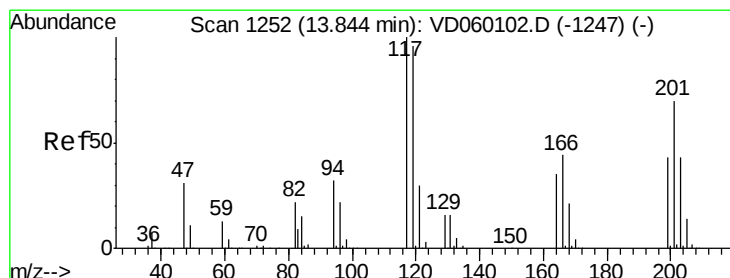
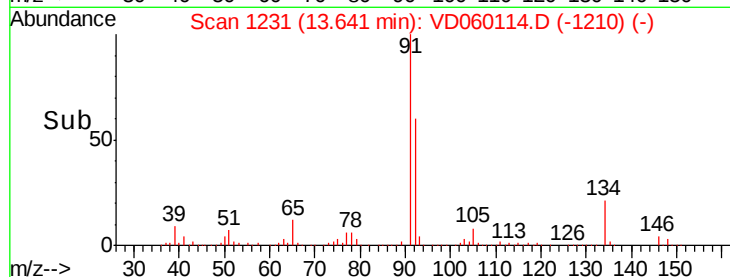
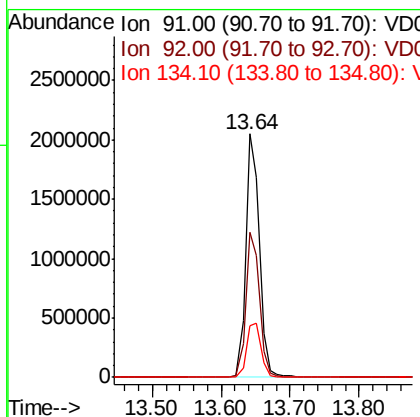
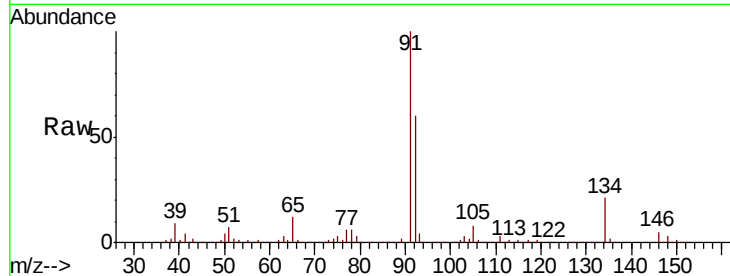




#89
n-Butylbenzene
Concen: 53.629 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

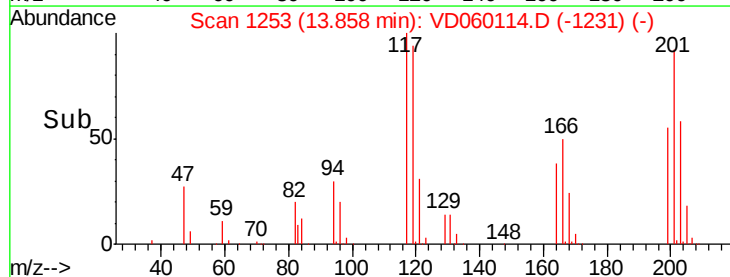
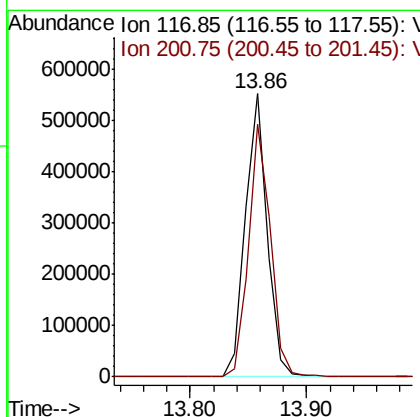
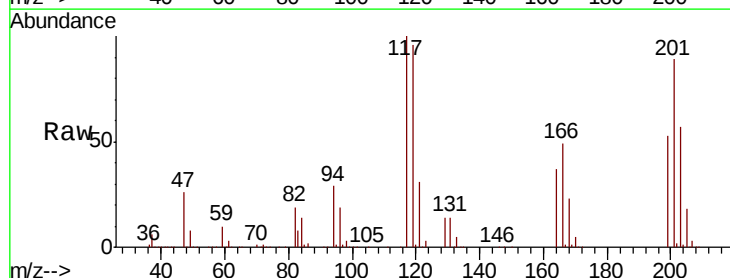
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

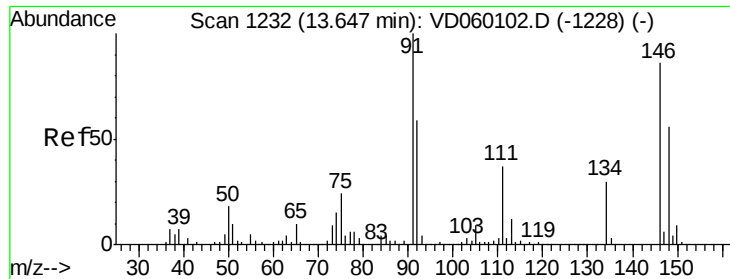
Tot Ion: 91 Resp: 2789357
Ion Ratio Lower Upper
91 100
92 59.8 30.1 90.3
134 21.5 11.6 34.7



#90
Hexachloroethane
Concen: 58.098 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 117 Resp: 716721
Ion Ratio Lower Upper
117 100
201 89.4 34.8 104.5

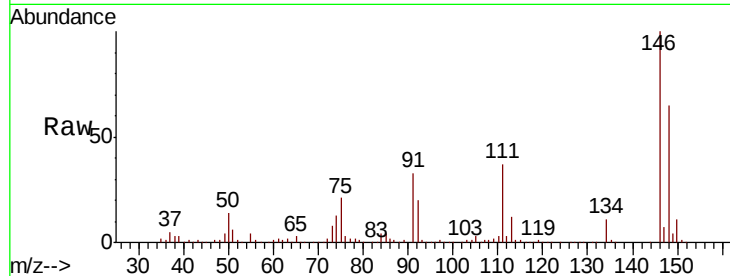




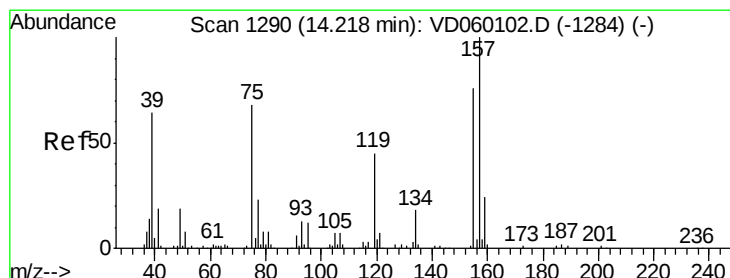
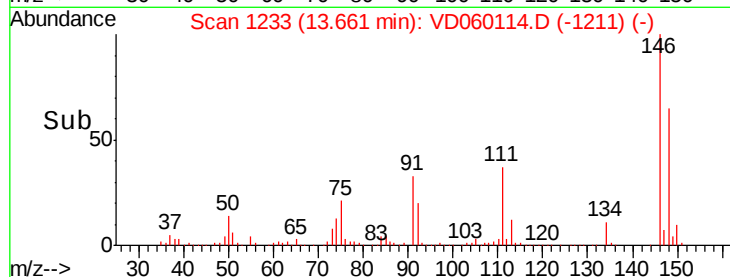
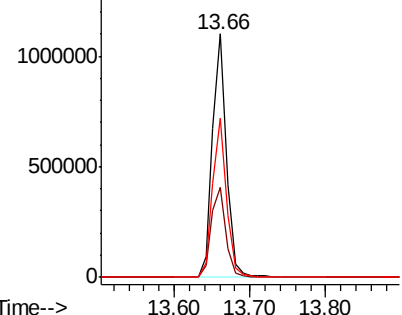
#91
 1,2-Dichlorobenzene
 Concen: 53.514 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1409854
 Ion Ratio Lower Upper
 146 100
 111 37.1 21.4 64.3
 148 65.3 32.2 96.6

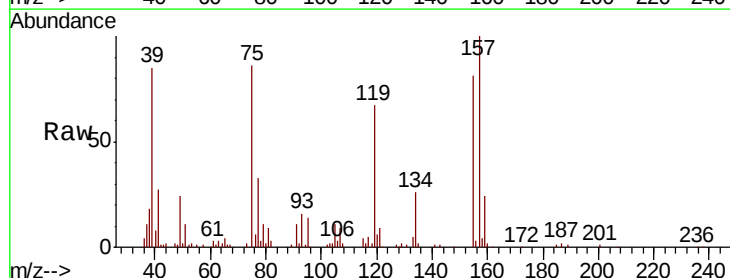


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

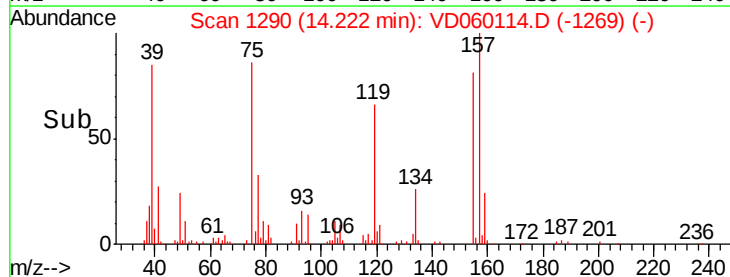
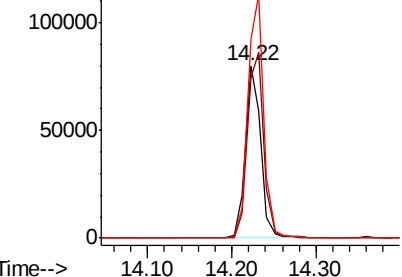


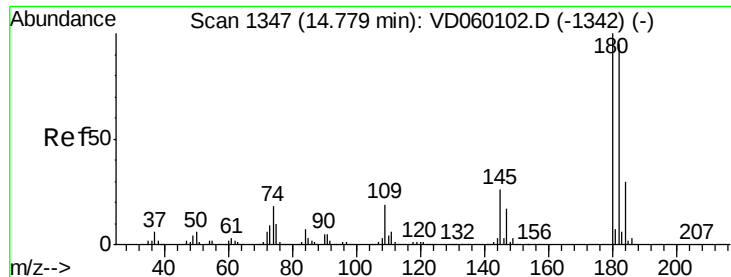
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.887 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 75 Resp: 104427
 Ion Ratio Lower Upper
 75 100
 155 93.2 55.9 167.7
 157 115.7 73.3 219.8



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

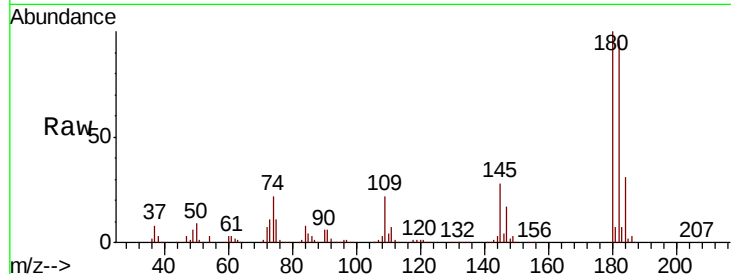




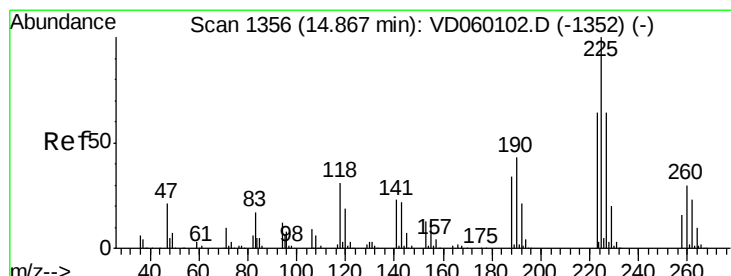
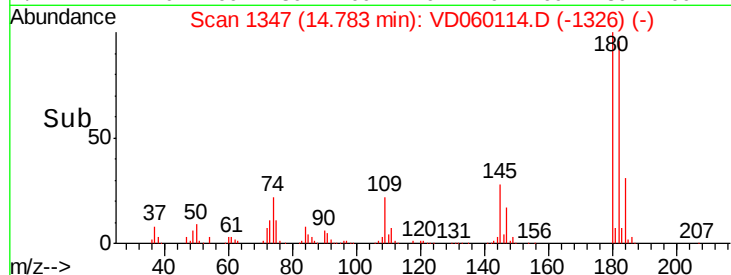
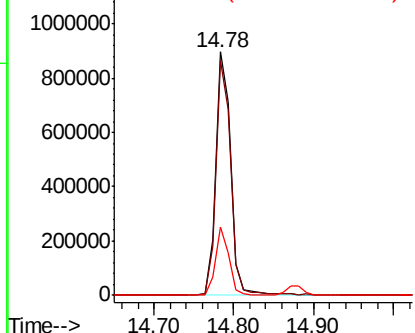
#93
1,2,4-Trichlorobenzene
Concen: 53.395 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 1194002
Ion Ratio Lower Upper
180 100
182 96.5 47.3 141.8
145 27.8 13.0 38.9

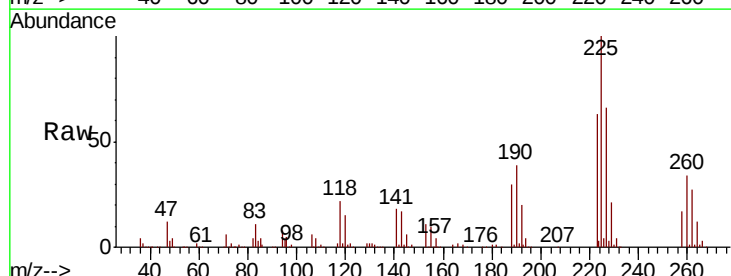


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

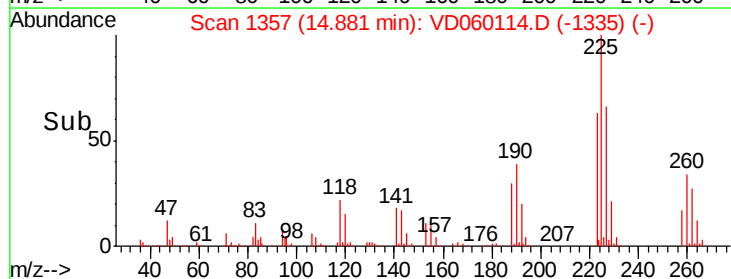
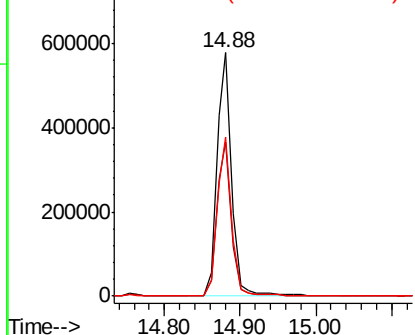


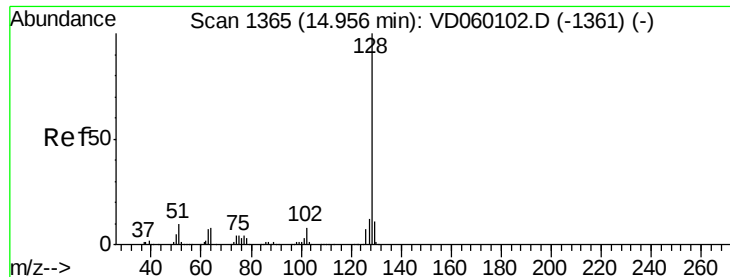
#94
Hexachlorobutadiene
Concen: 53.537 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:225 Resp: 795772
Ion Ratio Lower Upper
225 100
223 63.5 31.8 95.4
227 65.6 32.0 96.0



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

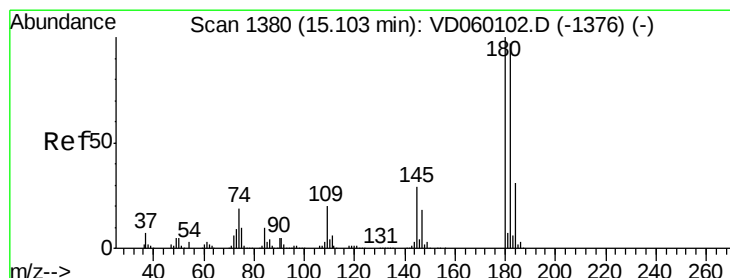
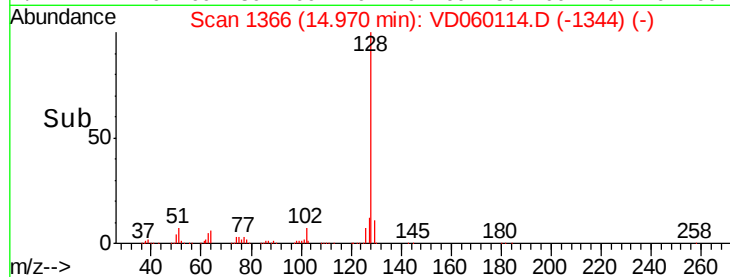
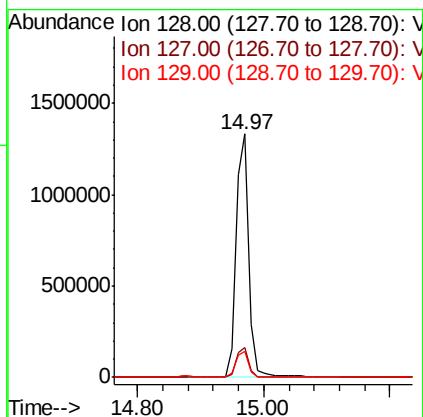
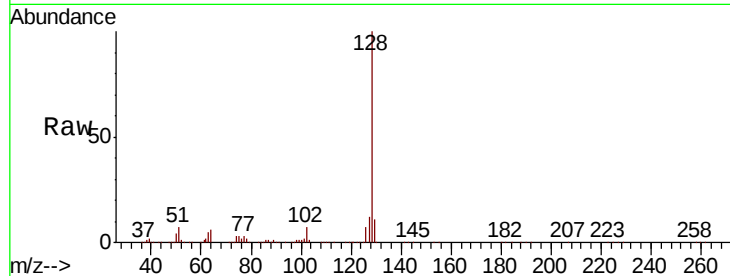




#95
Naphthalene
Concen: 54.193 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1796331
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.690 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:180 Resp: 1024955
Ion Ratio Lower Upper
180 100
182 95.6 48.4 145.0
145 24.3 14.5 43.6

