

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060086.D
 Acq On : 25 Sep 2018 11:32
 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: Sep 25 14:40:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1714861	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.42	114	2355472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1909887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	995902	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	666702	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
35) Dibromofluoromethane	6.30	113	932822	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	9.44	98	2624644	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.42	95	1002938	51.47	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	829481	45.823	ug/l	98
3) Chloromethane	1.75	50	793389	49.618	ug/l	98
4) Vinyl Chloride	1.84	62	665455	51.770	ug/l	99
5) Bromomethane	2.14	94	110183	72.417	ug/l	94
6) Chloroethane	2.25	64	191191	66.531	ug/l	97
7) Trichlorofluoromethane	2.49	101	795842	56.236	ug/l	100
8) Diethyl Ether	2.82	74	166519	55.353	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.07	101	509444	57.088	ug/l	99
10) Methyl Iodide	3.23	142	577403	61.092	ug/l	92
11) Tert butyl alcohol	3.95	59	225930	209.374	ug/l	98
12) 1,1-Dichloroethene	3.06	96	405809	57.513	ug/l	91
13) Acrolein	2.98	56	133981	200.500	ug/l	97
14) Allyl chloride	3.52	41	830080	55.783	ug/l	98
15) Acrylonitrile	4.07	53	995222	244.334	ug/l	99
16) Acetone	3.14	43	676213	261.902	ug/l	99
17) Carbon Disulfide	3.30	76	1312066	53.970	ug/l	100
18) Methyl Acetate	3.54	43	287450	54.743	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	1594252	48.900	ug/l	99
20) Methylene Chloride	3.70	84	965183	52.965	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	938604	50.691	ug/l	96
22) Diisopropyl ether	4.84	45	3436190	50.624	ug/l	97
23) Vinyl Acetate	4.79	43	9432312	245.289	ug/l	100
24) 1,1-Dichloroethane	4.74	63	1580969	51.903	ug/l	100
25) 2-Butanone	5.60	43	1539174	220.914	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1225460	51.748	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	983664	50.787	ug/l	99
28) Bromochloromethane	5.91	49	755186	51.577	ug/l	99
29) Tetrahydrofuran	5.94	42	857091	229.384	ug/l	100
30) Chloroform	6.08	83	1594183	51.608	ug/l	99
31) Cyclohexane	6.35	56	1374121	46.267	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1305489	50.956	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1160250	49.588	ug/l	99
37) Ethyl Acetate	5.68	43	726524	45.153	ug/l	97
38) Carbon Tetrachloride	6.48	117	1070427	49.008	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1352488	51.098	ug/l	98
40) Benzene	6.77	78	3058177	51.281	ug/l	100
41) Methacrylonitrile	5.93	41	860678	102.129	ug/l #	86
42) 1,2-Dichloroethane	6.88	62	877938	49.029	ug/l	99
43) Isopropyl Acetate	8.33	43	1040045	48.277	ug/l	98
44) Trichloroethene	7.73	130	941164	51.080	ug/l	98
45) 1,2-Dichloropropane	8.08	63	820235	51.437	ug/l	98
46) Dibromomethane	8.20	93	517331	49.721	ug/l	94
47) Bromodichloromethane	8.48	83	1159464	51.687	ug/l	100
48) Methyl methacrylate	8.23	41	577192	48.106	ug/l	98
49) 1,4-Dioxane	8.22	88	111030	931.681	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	3159121	218.805	ug/l	97
52) Toluene	9.54	92	1931862	50.539	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	1043714	49.886	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1292323	51.698	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	636211	47.936	ug/l	98
56) Ethyl methacrylate	10.02	69	726502	49.351	ug/l	97
57) 1,3-Dichloropropane	10.37	76	980107	50.029	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	1817943	255.737	ug/l	99
59) 2-Hexanone	10.47	43	2344508	228.446	ug/l	99
60) Dibromochloromethane	10.63	129	830539	51.414	ug/l	98
61) 1,2-Dibromoethane	10.75	107	677092	49.412	ug/l	98
64) Tetrachloroethene	10.24	164	827010	49.078	ug/l	98
65) Chlorobenzene	11.30	112	2104102	51.242	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	732281	52.874	ug/l	98
67) Ethyl Benzene	11.42	91	3470191	52.515	ug/l	100
68) m/p-Xylenes	11.56	106	2578275	105.647	ug/l	99
69) o-Xylene	11.93	106	1279911	52.929	ug/l	93
70) Styrene	11.95	104	2135420	52.520	ug/l	99
71) Bromoform	12.11	173	605644	50.899	ug/l	99
73) Isopropylbenzene	12.26	105	3469456	53.118	ug/l	99
74) N-amyl acetate	12.13	43	1266422	48.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	737148	49.749	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	751915	49.435	ug/l	99
77) Bromobenzene	12.53	156	990914	52.667	ug/l	96
78) n-propylbenzene	12.63	91	4344261	52.891	ug/l	100
79) 2-Chlorotoluene	12.70	91	2408332	51.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2697613	53.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	229872	50.066	ug/l	97
82) 4-Chlorotoluene	12.81	91	2683450	52.649	ug/l	91
83) tert-Butylbenzene	13.04	119	3080133	53.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	2786589	52.160	ug/l	99
85) sec-Butylbenzene	13.22	105	3571166	51.872	ug/l	96
86) p-Isopropyltoluene	13.34	119	3011092	54.076	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1724303	52.702	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1710887	51.555	ug/l	99
89) n-Butylbenzene	13.64	91	2876132	56.449	ug/l	99
90) Hexachloroethane	13.85	117	746327	54.115	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1406621	53.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102544	45.396	ug/l #	55

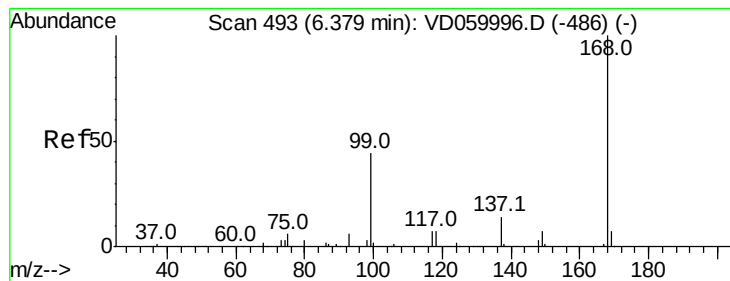
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1191869	51.119	ug/l	99
94) Hexachlorobutadiene	14.87	225	815039	52.845	ug/l	99
95) Naphthalene	14.96	128	1782471	49.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	1031408	50.198	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

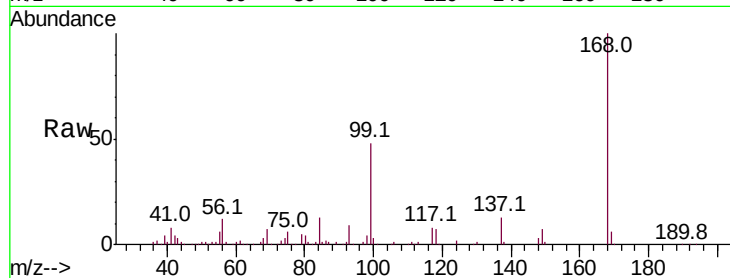
VSTDCCC050

Tot Ion:168 Resp: 1714861

Ion Ratio Lower Upper

168 100

99 48.1 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

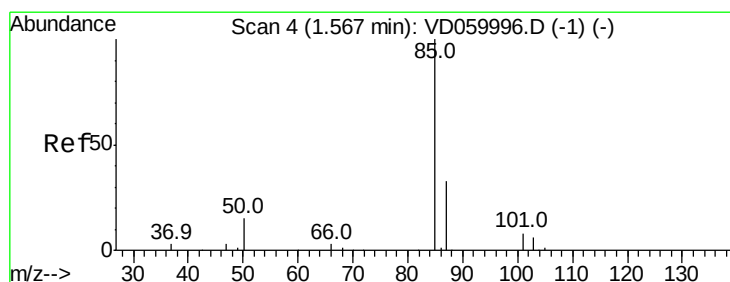
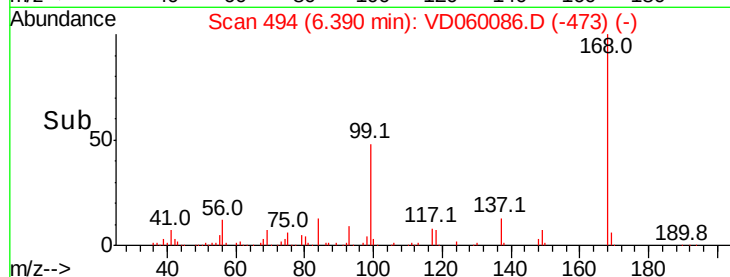
600000

400000

200000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 45.823 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060086.D

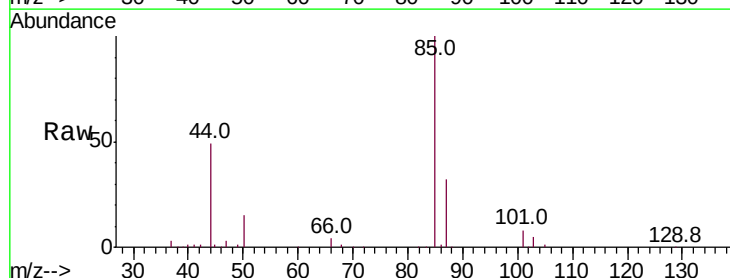
Acq: 25 Sep 2018 11:32

Tgt Ion: 85 Resp: 829481

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

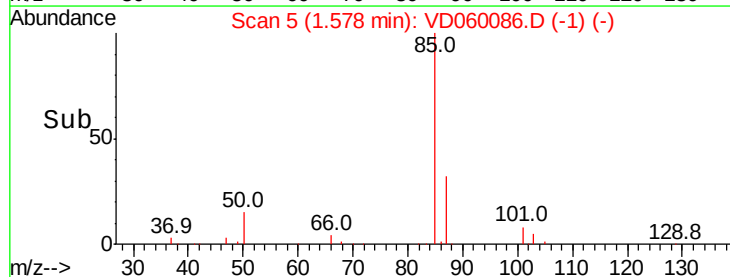
300000

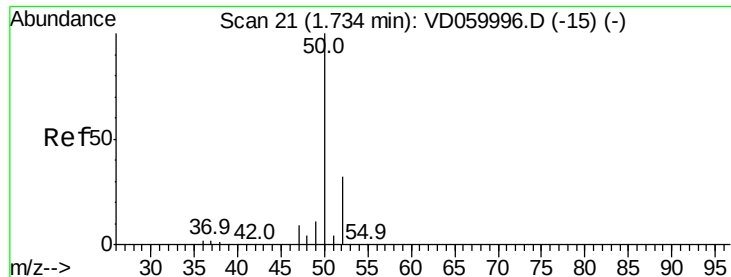
200000

100000

0

Time--> 1.50 1.60 1.70





#3

Chloromethane

Concen: 49.618 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.02 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

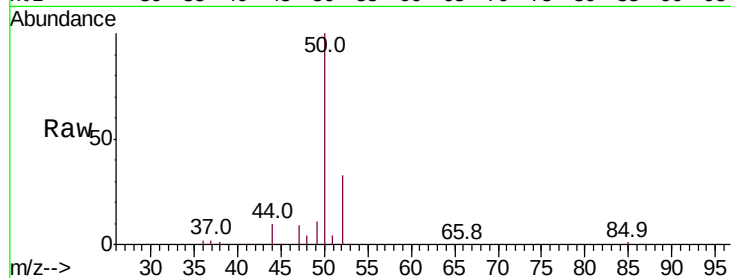
VSTDCCC050

Tot Ion: 50 Resp: 793389

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

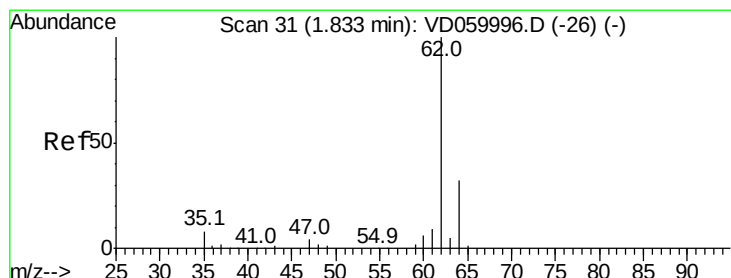
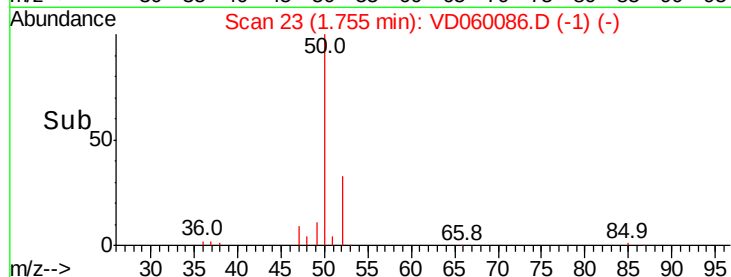
300000

200000

100000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 51.770 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060086.D

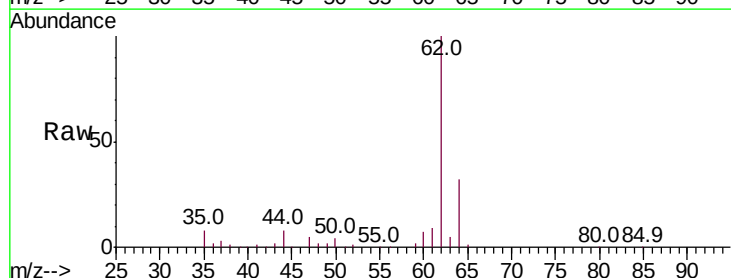
Acq: 25 Sep 2018 11:32

Tgt Ion: 62 Resp: 665455

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

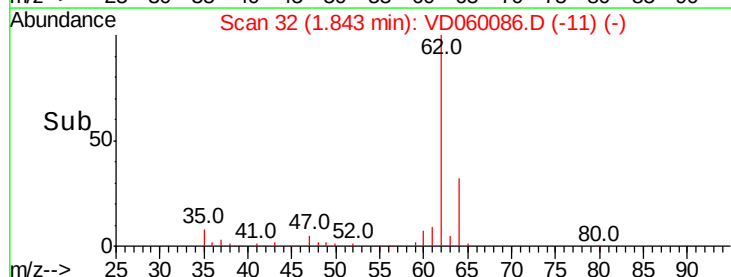
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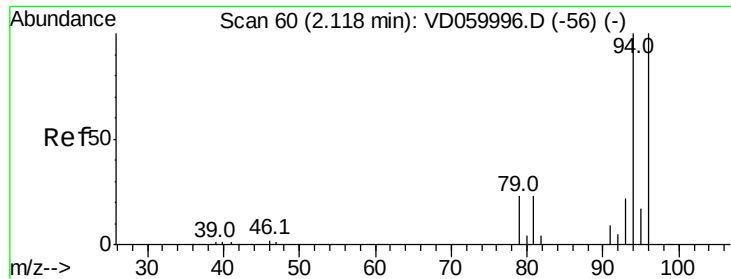
200000

100000

0

Time--> 1.80 1.90 2.00

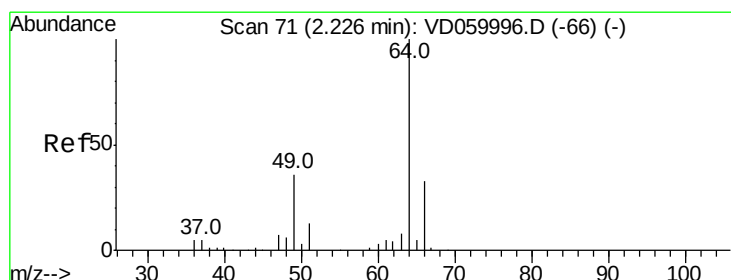
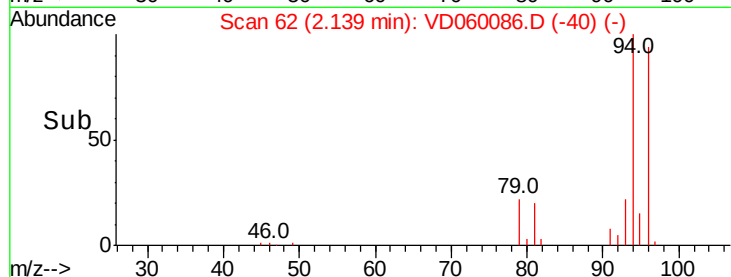
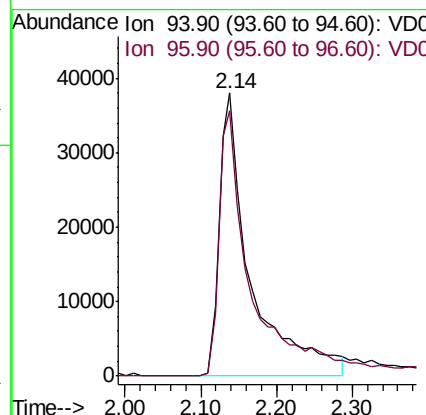
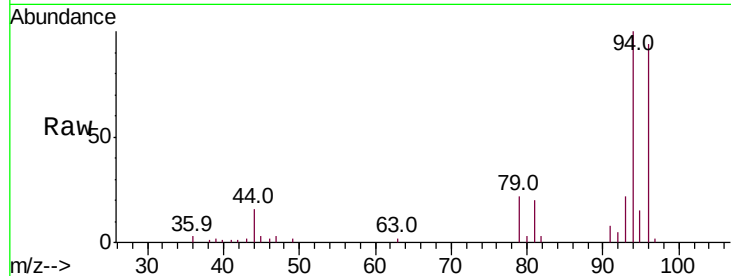




#5
Bromomethane
Concen: 72.417 ug/l
RT: 2.14 min Scan# 62
Delta R.T. 0.02 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

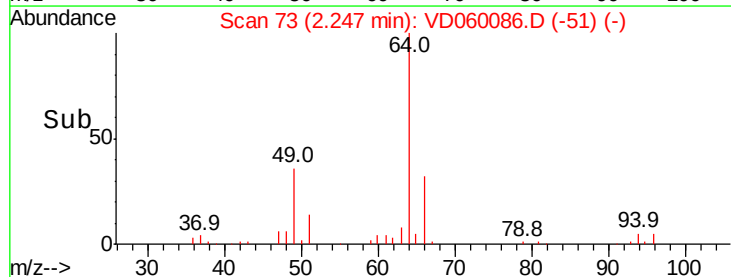
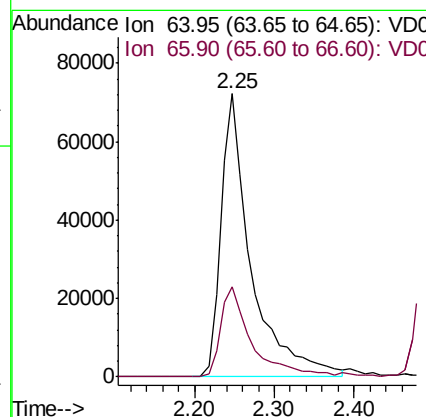
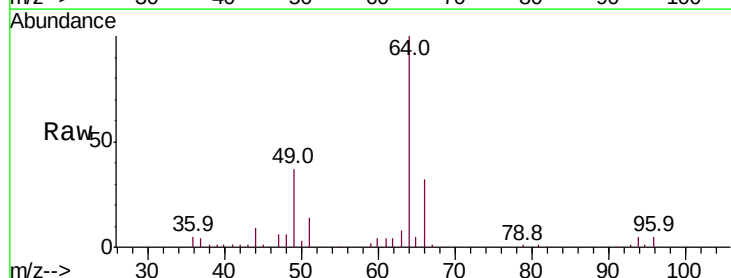
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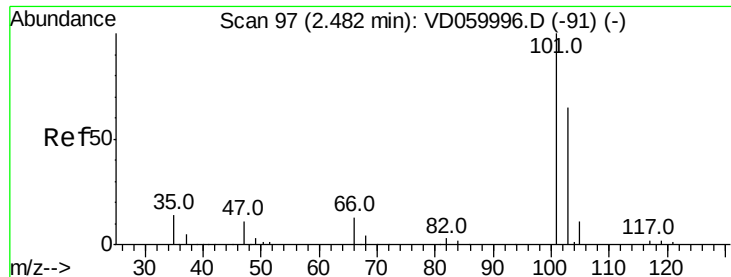
Tot Ion: 94 Resp: 110183
Ion Ratio Lower Upper
94 100
96 93.9 79.8 119.8



#6
Chloroethane
Concen: 66.531 ug/l
RT: 2.25 min Scan# 73
Delta R.T. 0.02 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion: 64 Resp: 191191
Ion Ratio Lower Upper
64 100
66 31.7 26.5 39.7





#7

Trichlorofluoromethane

Concen: 56.236 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

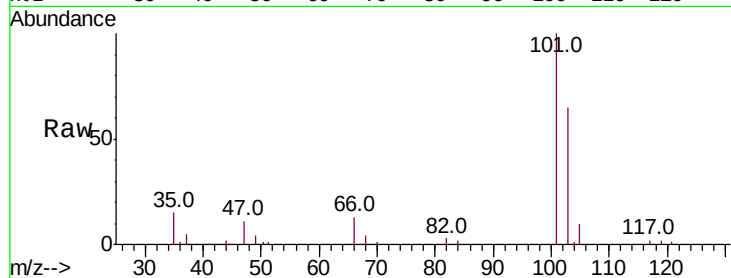
VSTDCCC050

Tot Ion:101 Resp: 795842

Ion Ratio Lower Upper

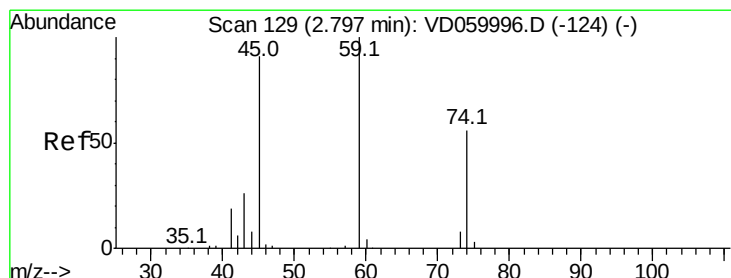
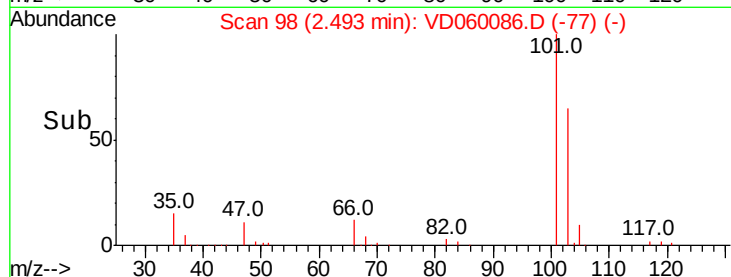
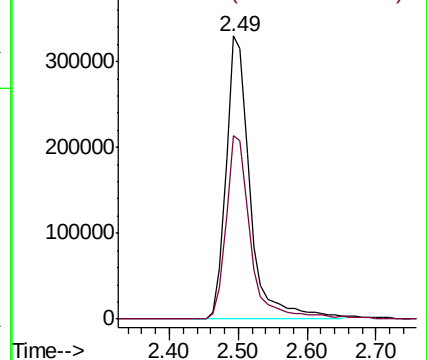
101 100

103 64.8 51.6 77.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 55.353 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060086.D

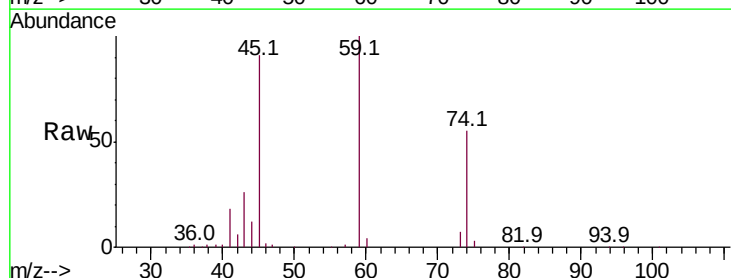
Acq: 25 Sep 2018 11:32

Tgt Ion: 74 Resp: 166519

Ion Ratio Lower Upper

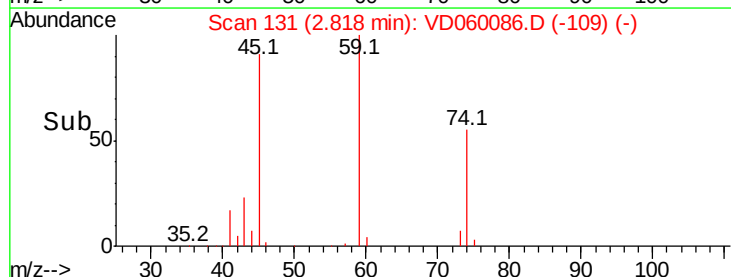
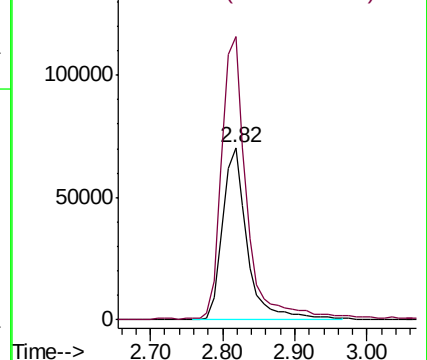
74 100

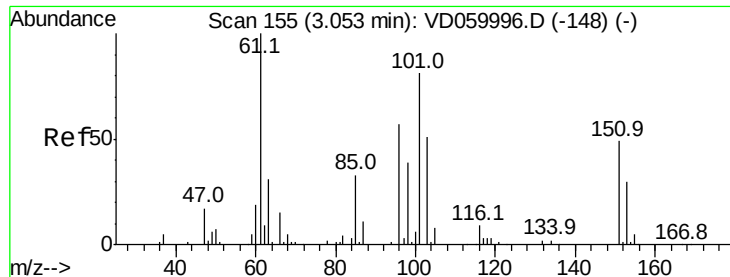
45 164.2 81.2 243.4



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: 57.088 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

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ClientSampleId :

VSTDCCC050

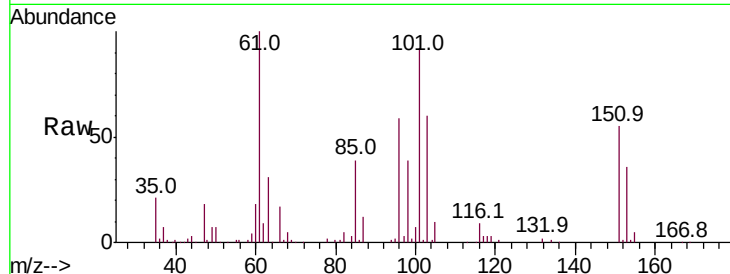
Tot Ion:101 Resp: 509444

Ion Ratio Lower Upper

101 100

85 42.2 33.1 49.7

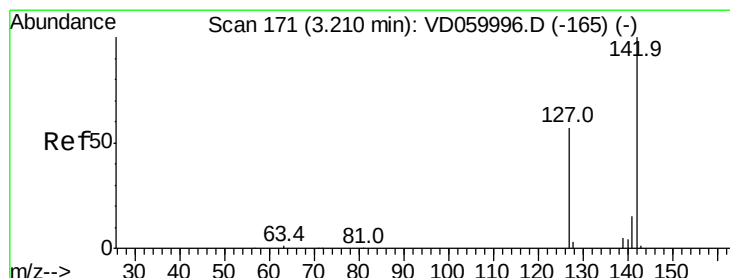
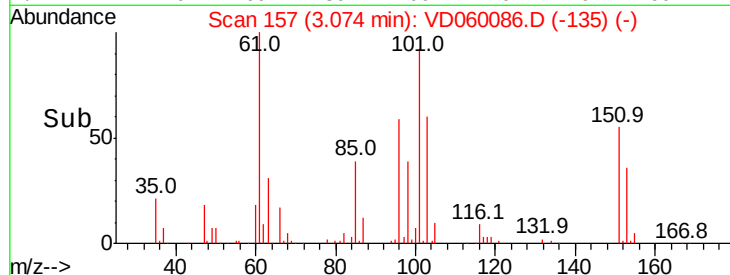
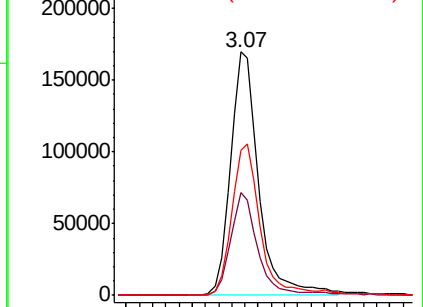
151 59.3 48.2 72.4



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: 61.092 ug/l

RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

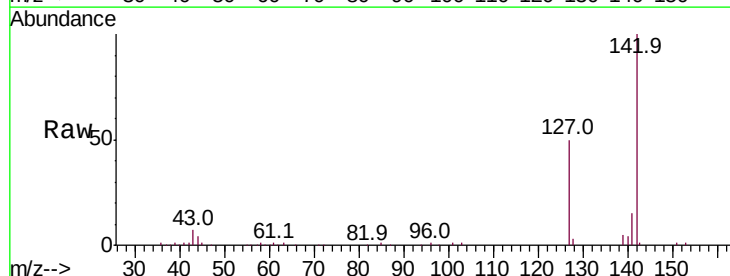
Tgt Ion:142 Resp: 577403

Ion Ratio Lower Upper

142 100

127 50.5 45.8 68.8

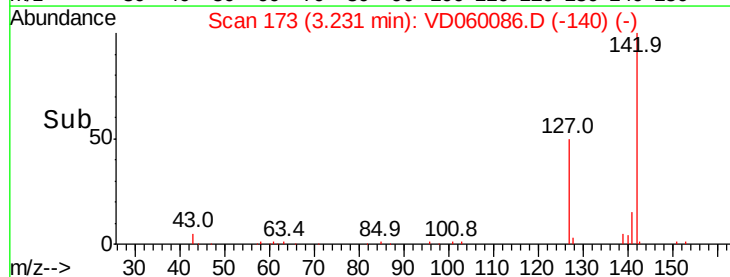
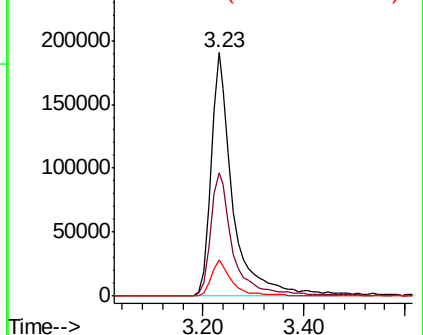
141 14.7 12.2 18.4

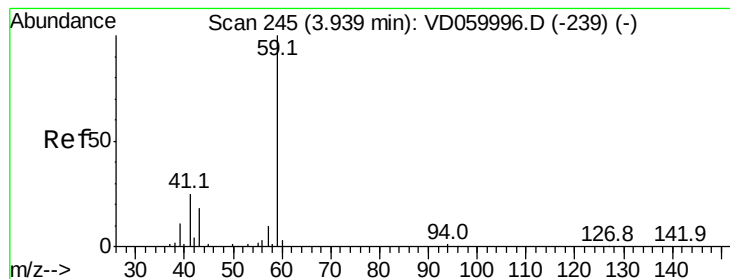


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



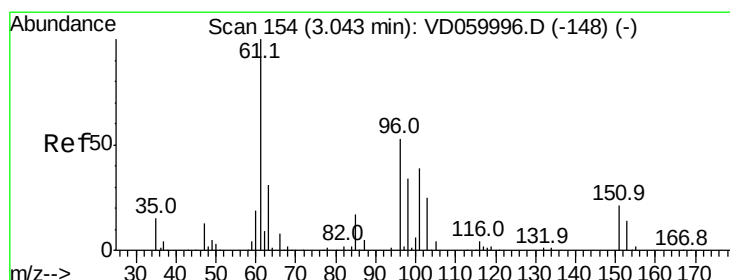
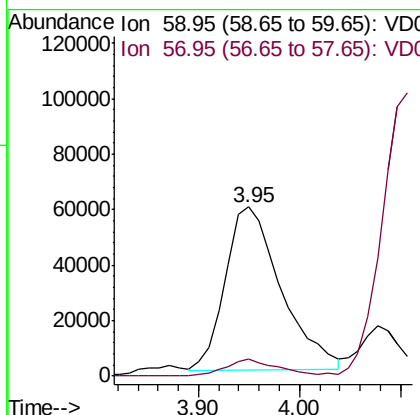
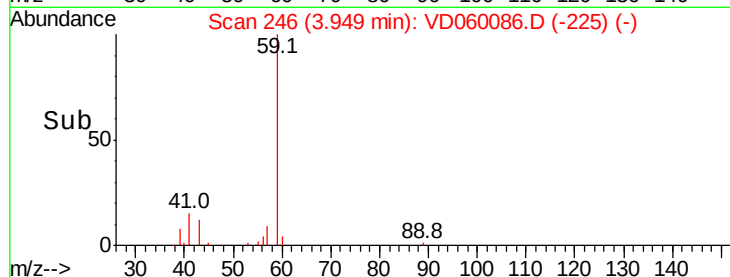
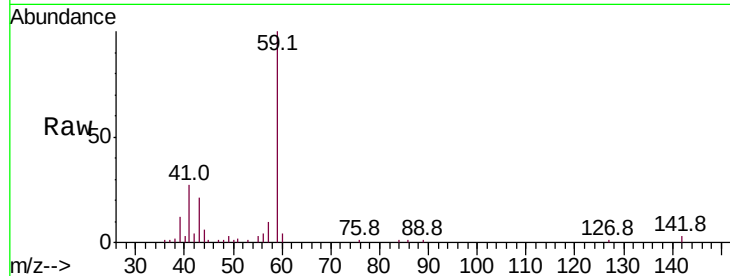


#11

Tert butyl alcohol
 Concen: 209.374 ug/l
 RT: 3.95 min Scan# 246
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

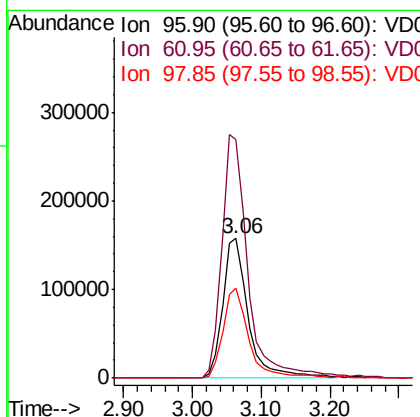
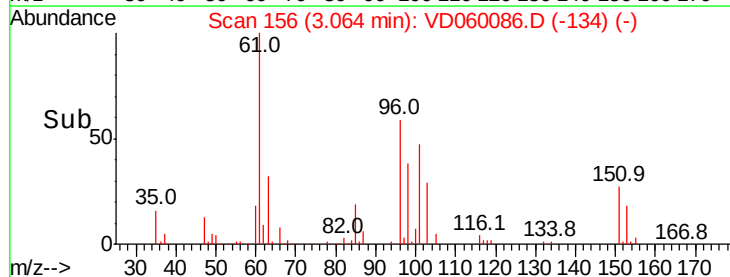
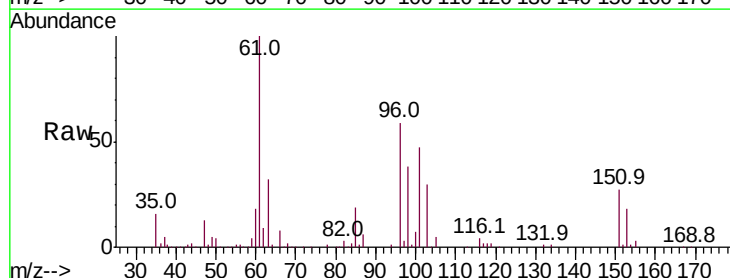
Tot Ion: 59 Resp: 225930
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.4 11.2

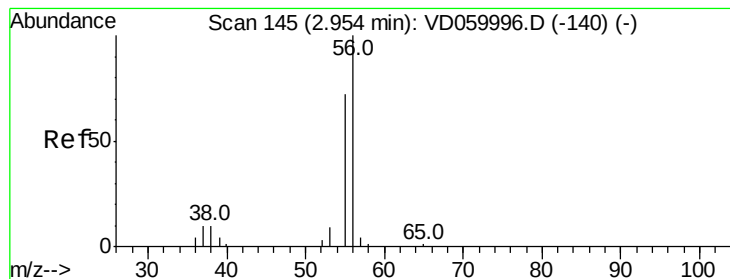


#12

1,1-Dichloroethene
 Concen: 57.513 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.02 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 96 Resp: 405809
 Ion Ratio Lower Upper
 96 100
 61 170.8 149.8 224.6
 98 64.4 50.2 75.4





#13

Acrolein

Concen: 200.500 ug/l

RT: 2.98 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

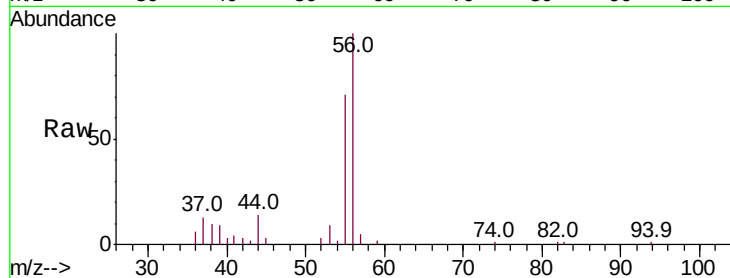
VSTDCCC050

Tot Ion: 56 Resp: 133981

Ion Ratio Lower Upper

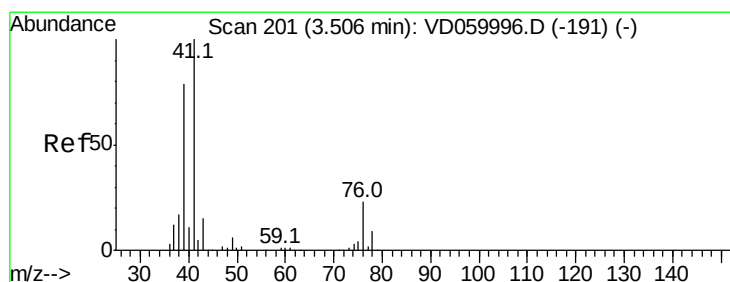
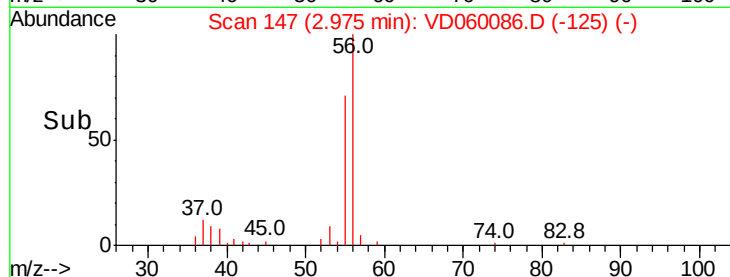
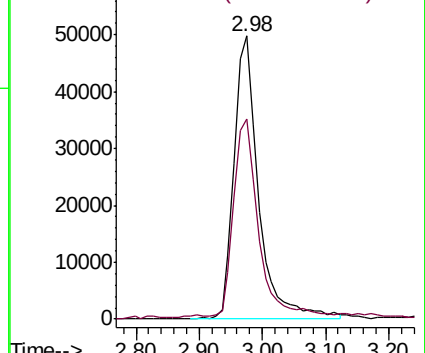
56 100

55 70.7 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.783 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

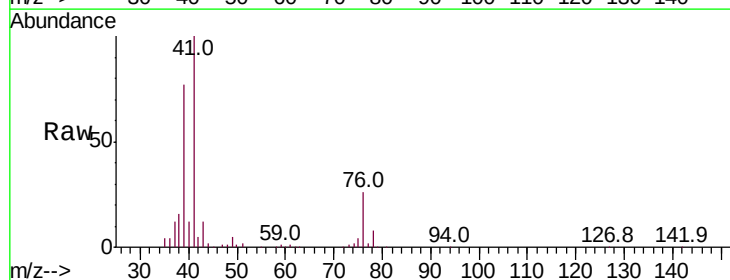
Tgt Ion: 41 Resp: 830080

Ion Ratio Lower Upper

41 100

39 77.1 63.6 95.4

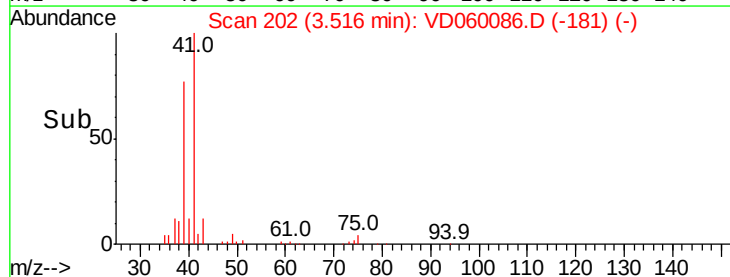
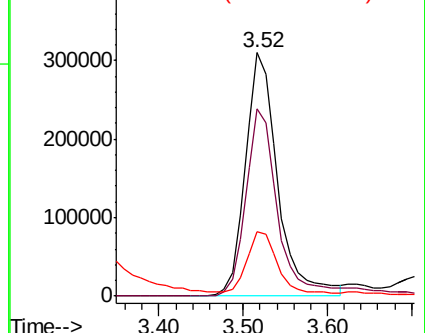
76 26.4 21.1 31.7

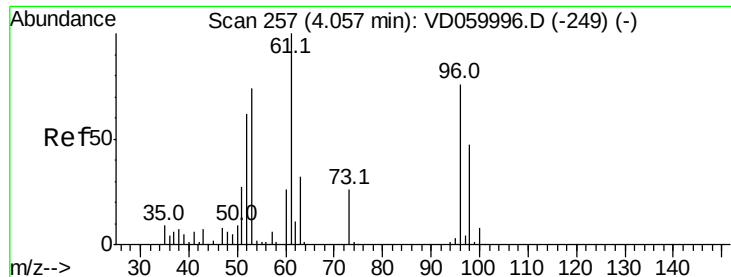


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 244.334 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

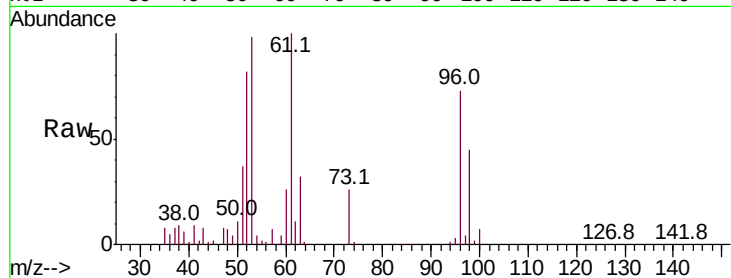
Tot Ion: 53 Resp: 995222

Ion Ratio Lower Upper

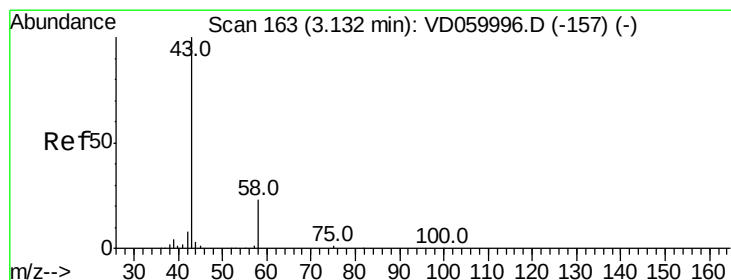
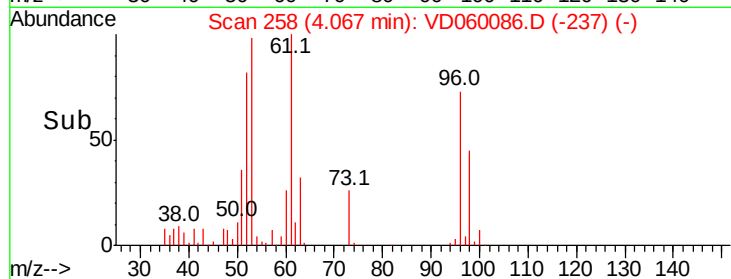
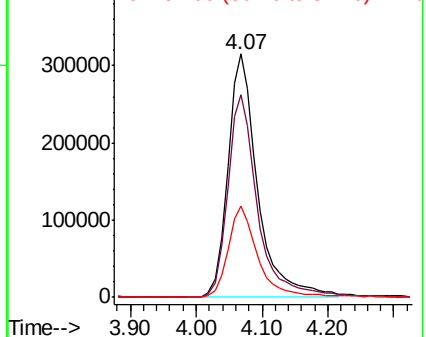
53 100

52 83.3 66.7 100.1

51 37.6 29.0 43.6



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: 261.902 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060086.D

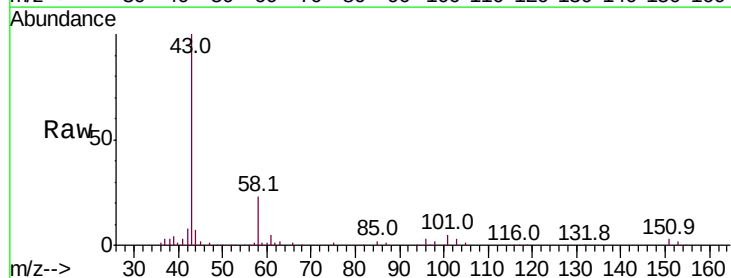
Acq: 25 Sep 2018 11:32

Tgt Ion: 43 Resp: 676213

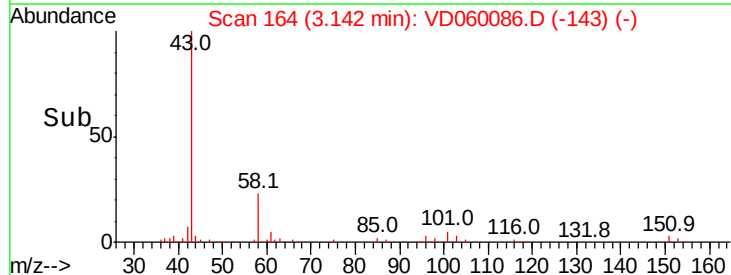
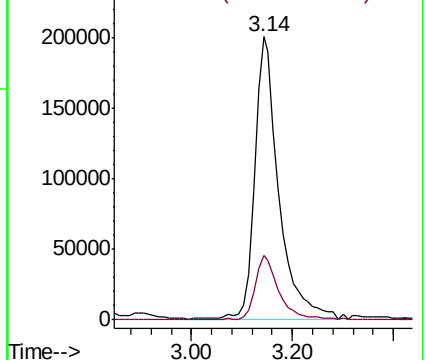
Ion Ratio Lower Upper

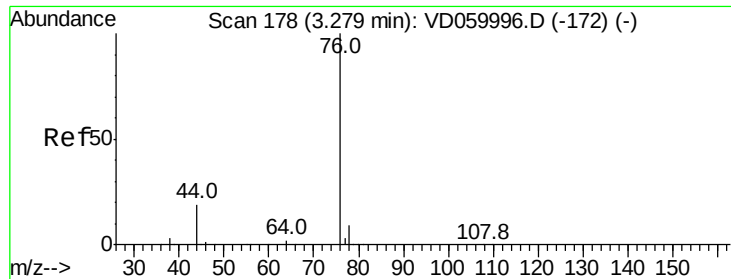
43 100

58 22.9 18.1 27.1



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

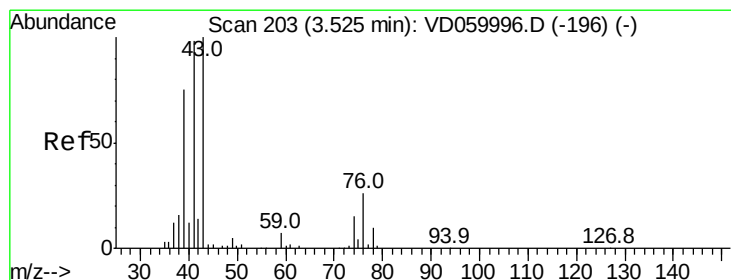
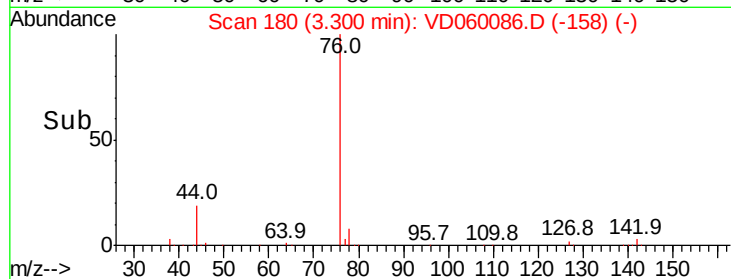
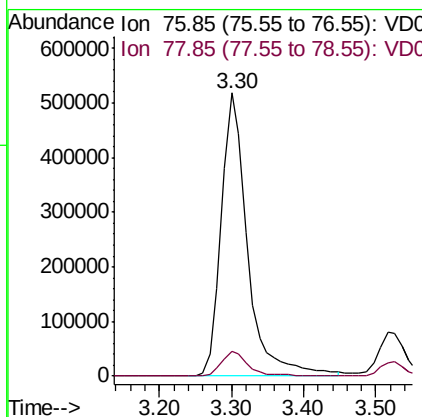
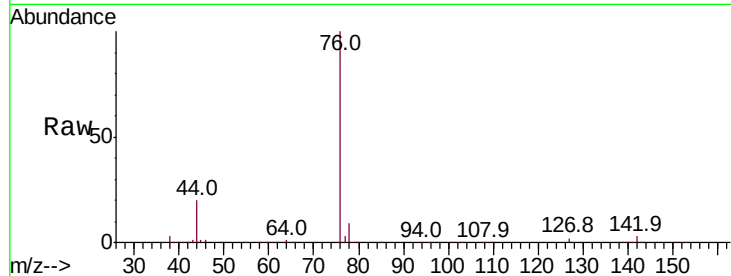




#17
Carbon Disulfide
Concen: 53.970 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

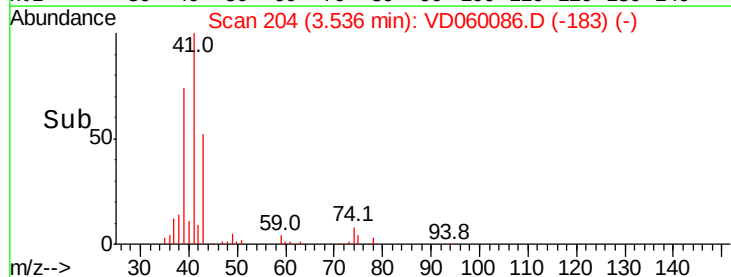
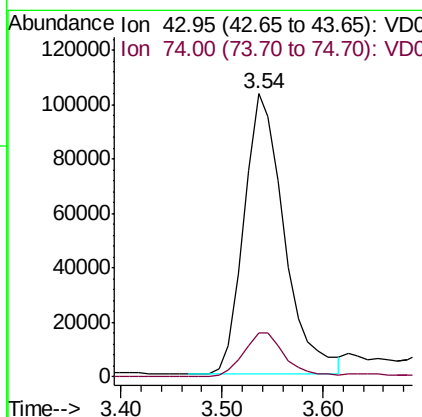
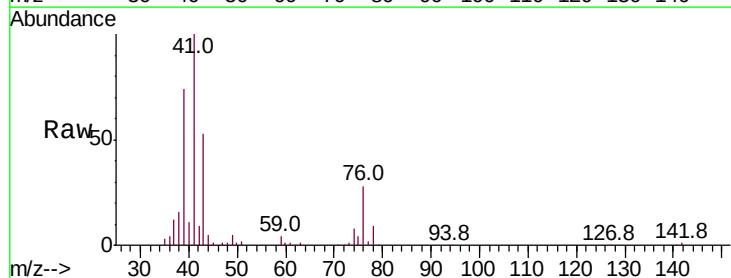
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

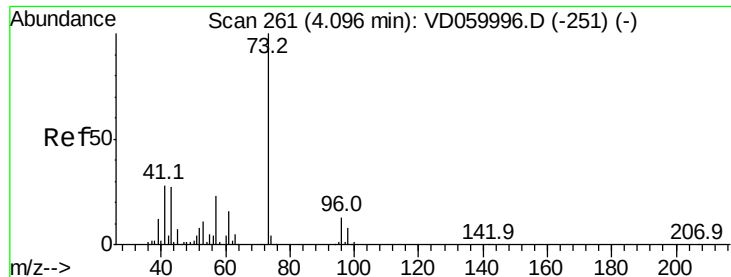
Tot Ion: 76 Resp: 1312066
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 54.743 ug/l
RT: 3.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion: 43 Resp: 287450
Ion Ratio Lower Upper
43 100
74 15.5 11.8 17.8





#19

Methyl tert-butyl Ether
 Concen: 48.900 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

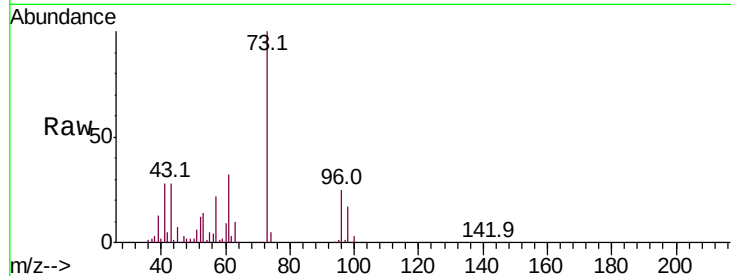
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1594252

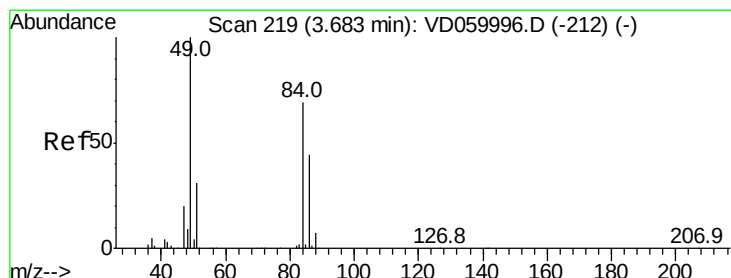
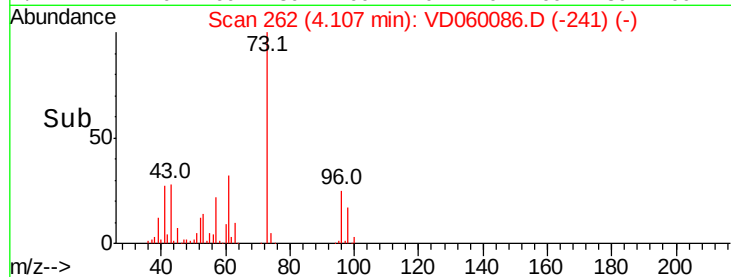
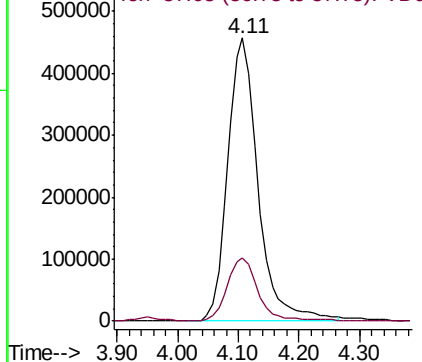
Ion Ratio Lower Upper

73 100

57 22.3 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 52.965 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 84 Resp: 965183

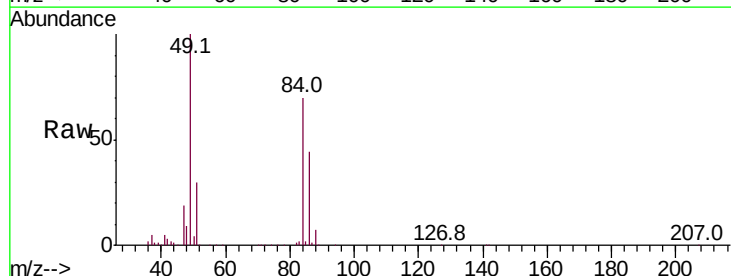
Ion Ratio Lower Upper

84 100

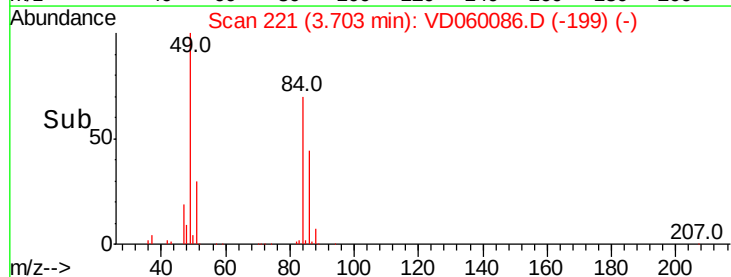
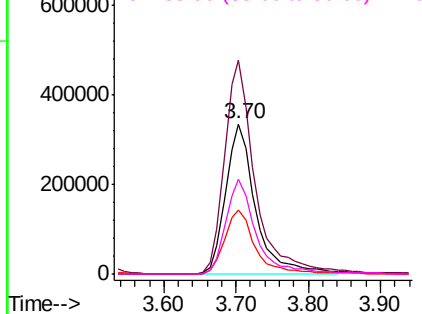
49 142.3 116.6 175.0

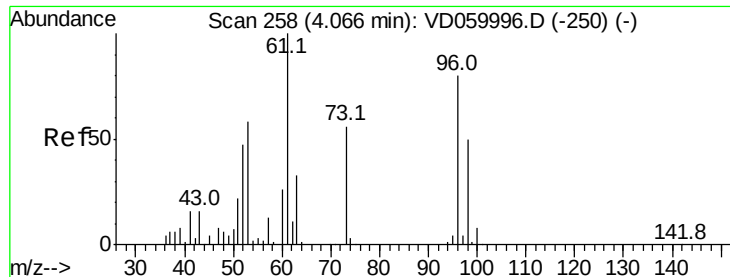
51 43.0 35.9 53.9

86 63.0 51.8 77.6



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





#21

trans-1,2-Dichloroethene

Concen: 50.691 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

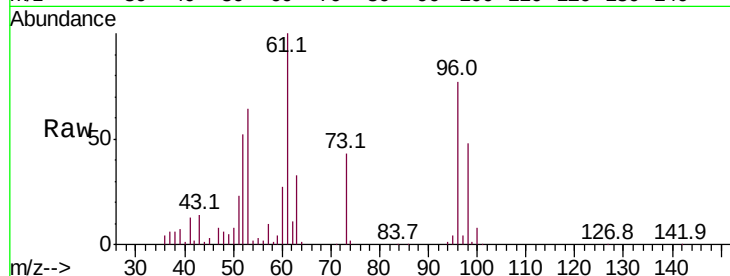
Tot Ion: 96 Resp: 938604

Ion Ratio Lower Upper

96 100

61 130.7 100.1 150.1

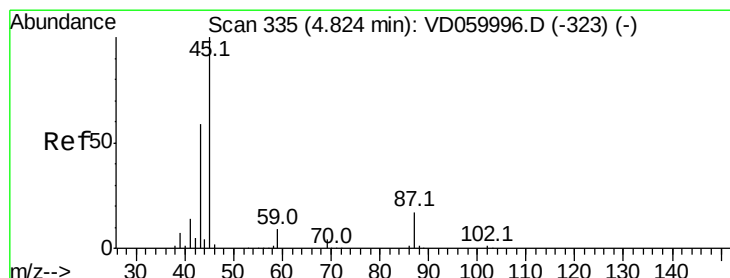
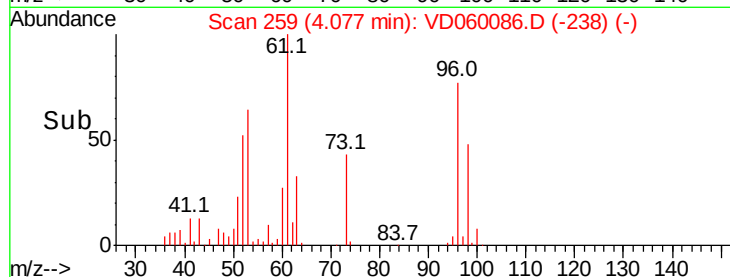
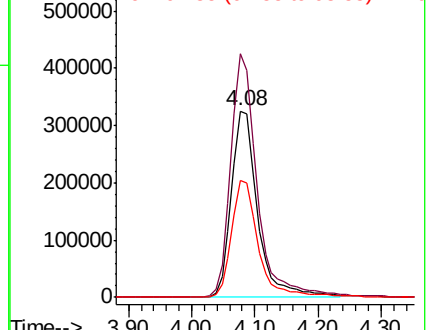
98 62.7 49.5 74.3



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: 50.624 ug/l

RT: 4.84 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Tgt Ion: 45 Resp: 3436190

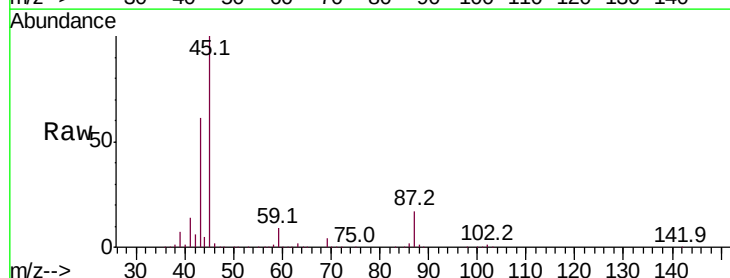
Ion Ratio Lower Upper

45 100

43 61.4 47.1 70.7

87 17.0 14.2 21.2

59 8.9 7.0 10.6

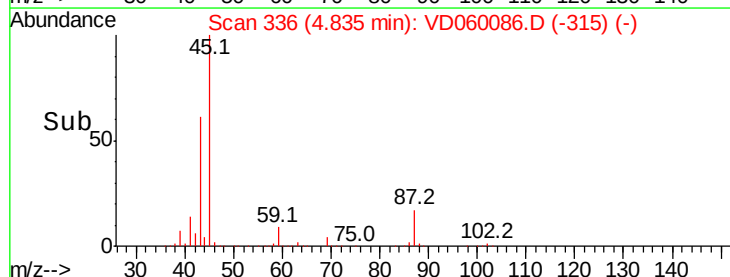
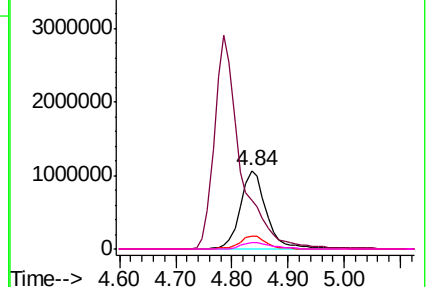


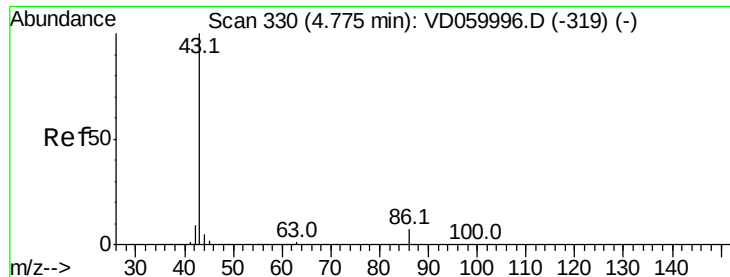
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 245.289 ug/l

RT: 4.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

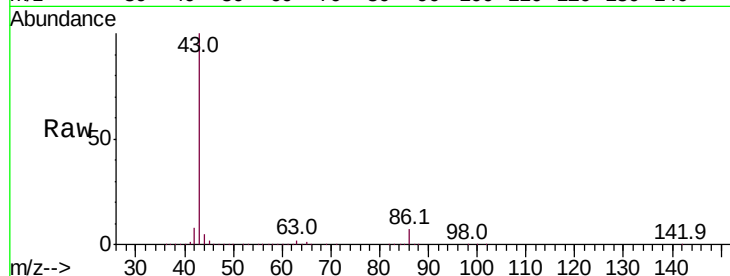
VSTDCCC050

Tot Ion: 43 Resp: 9432312

Ion Ratio Lower Upper

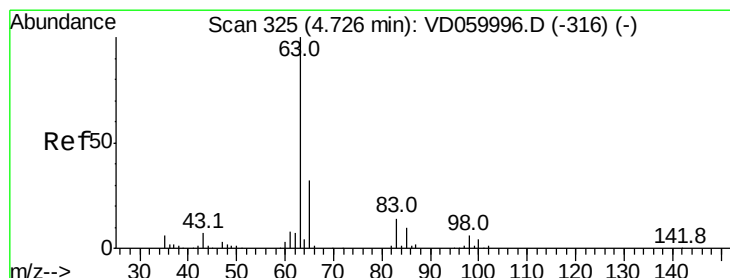
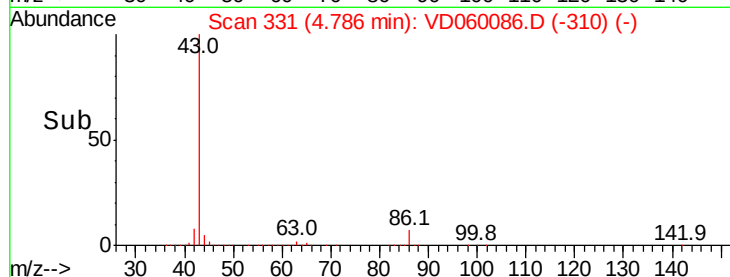
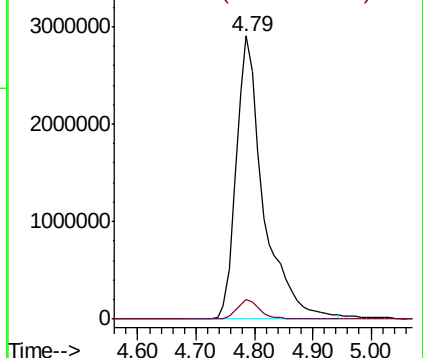
43 100

86 6.9 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.903 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

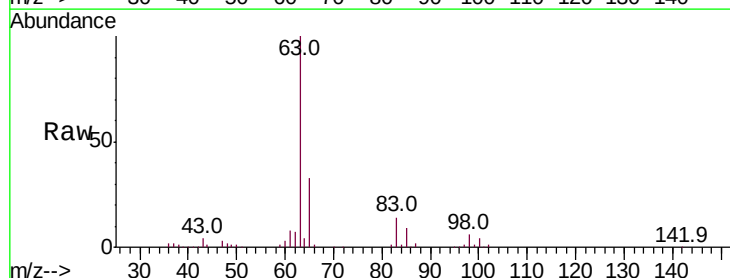
Tgt Ion: 63 Resp: 1580969

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.6

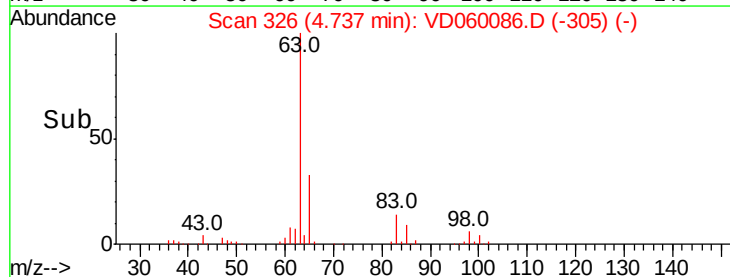
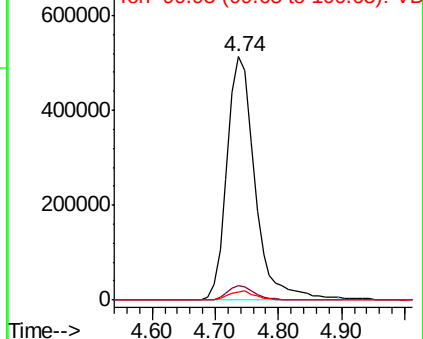
100 3.6 1.8 5.4

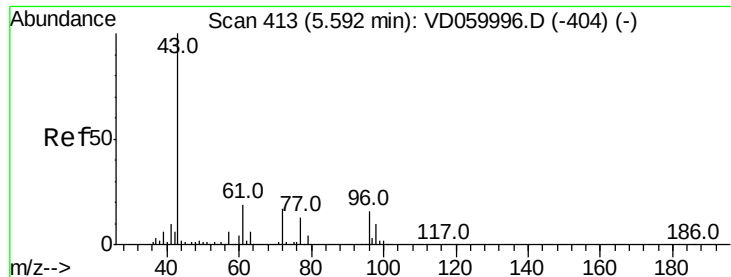


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 220.914 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

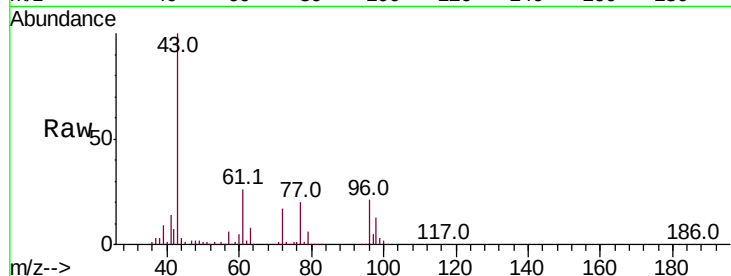
VSTDCCC050

Tot Ion: 43 Resp: 1539174

Ion Ratio Lower Upper

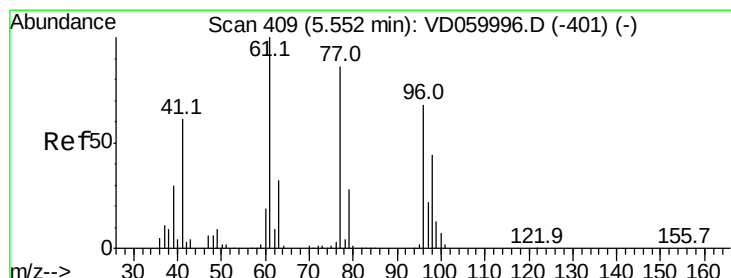
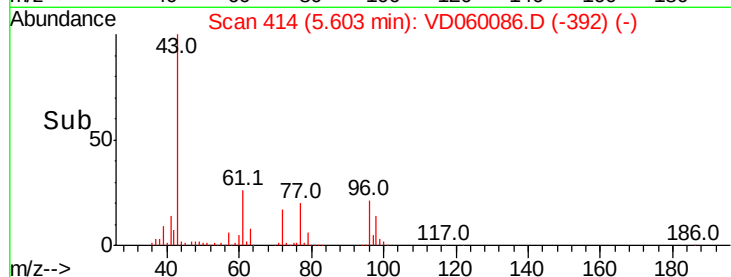
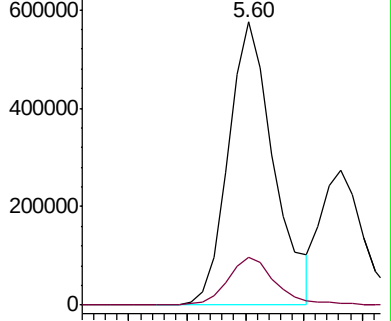
43 100

72 17.1 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.748 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060086.D

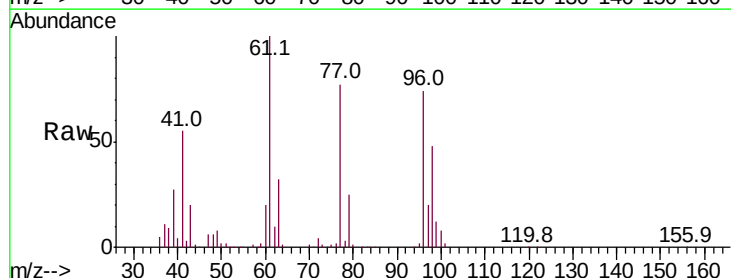
Acq: 25 Sep 2018 11:32

Tgt Ion: 77 Resp: 1225460

Ion Ratio Lower Upper

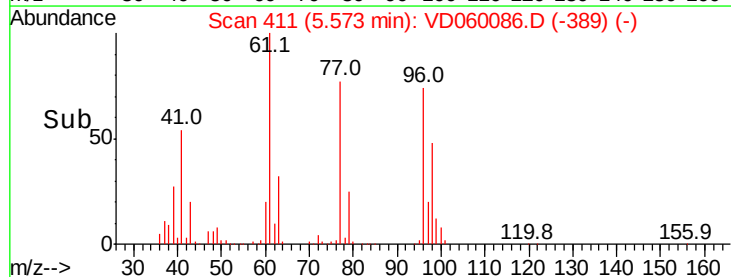
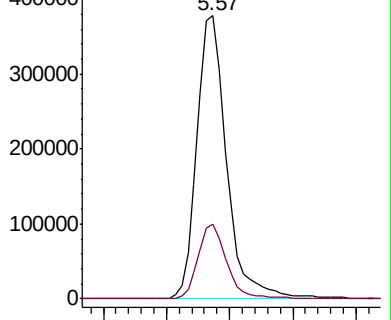
77 100

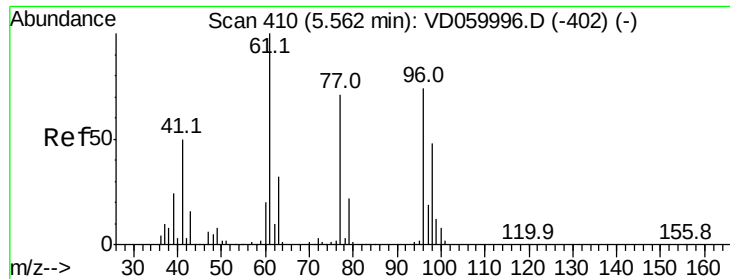
97 26.2 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



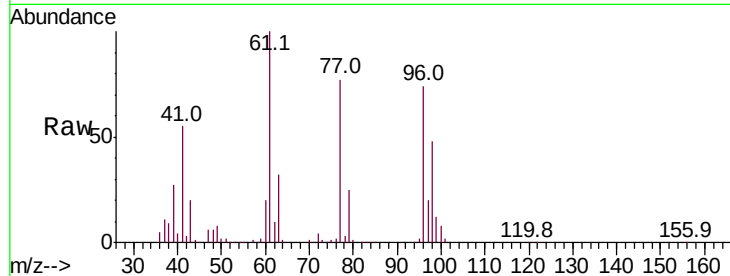


#27

cis-1,2-Dichloroethene
 Concen: 50.787 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	96	Resp	983664
Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	269.6
98	65.2	0.0	128.4

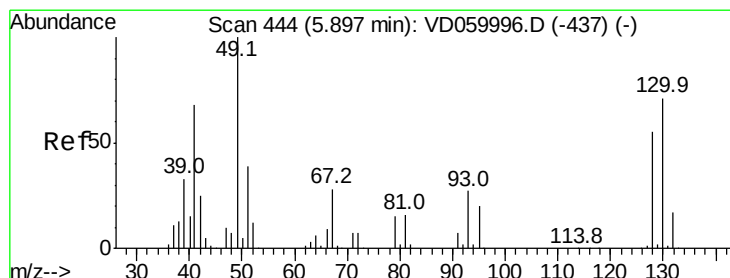
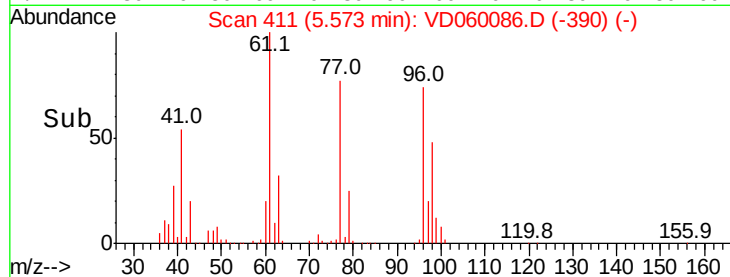
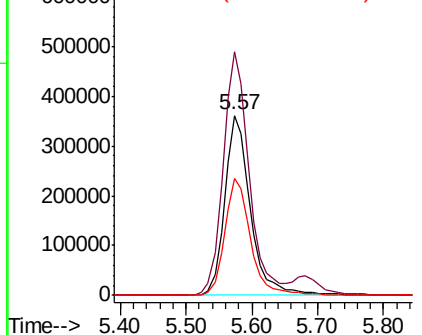


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

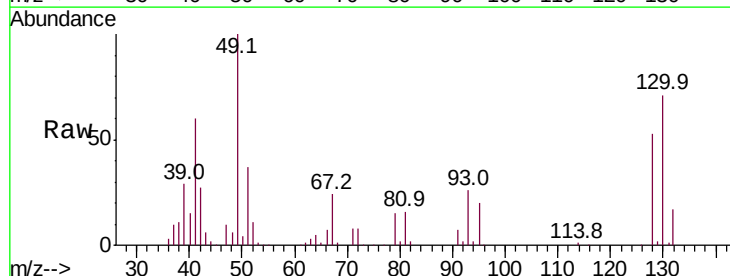
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
 Concen: 51.577 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion	49	Resp	755186
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	70.8	57.1	85.7

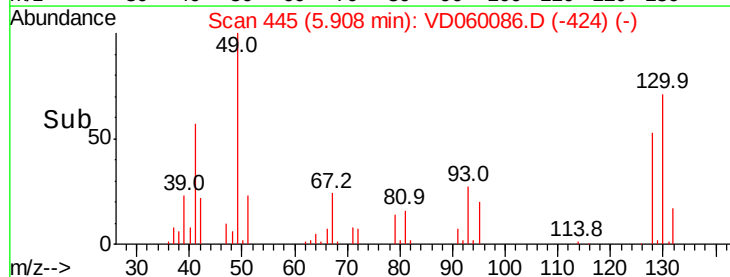
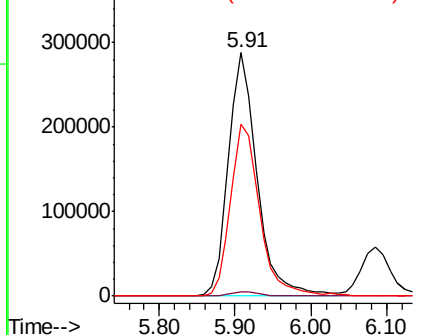


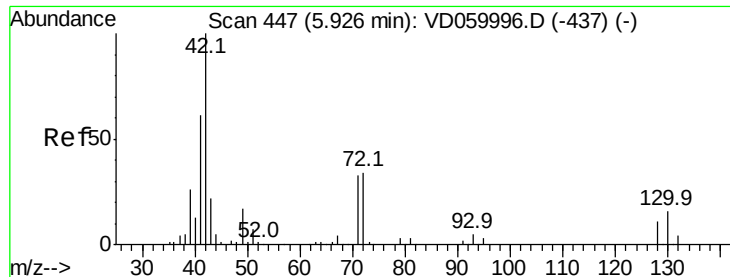
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 229.384 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

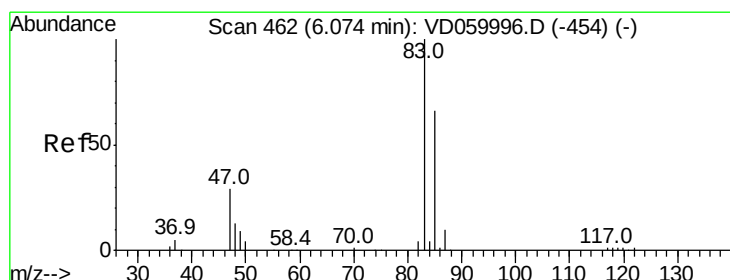
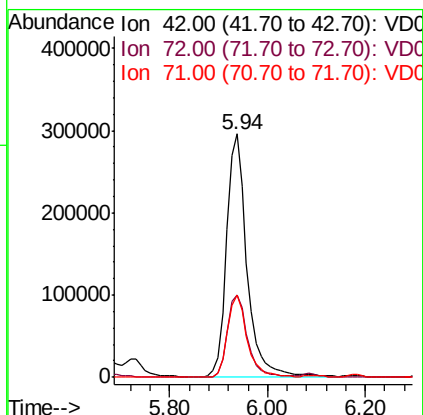
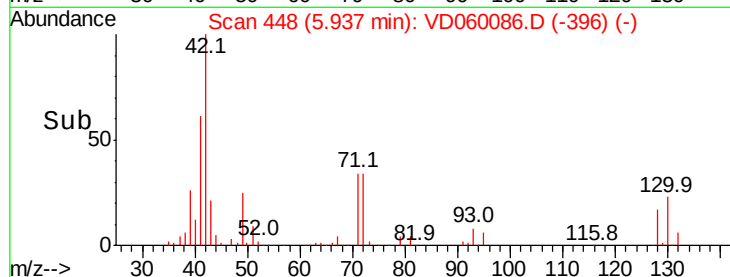
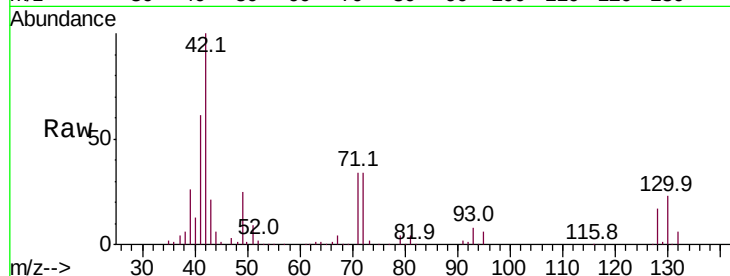
Tot Ion: 42 Resp: 857091

Ion Ratio Lower Upper

42 100

72 33.7 26.9 40.3

71 33.0 26.2 39.4



#30

Chloroform

Concen: 51.608 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060086.D

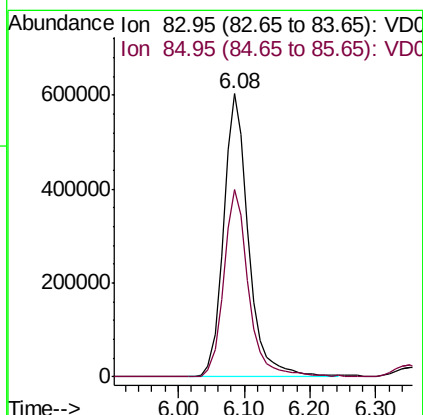
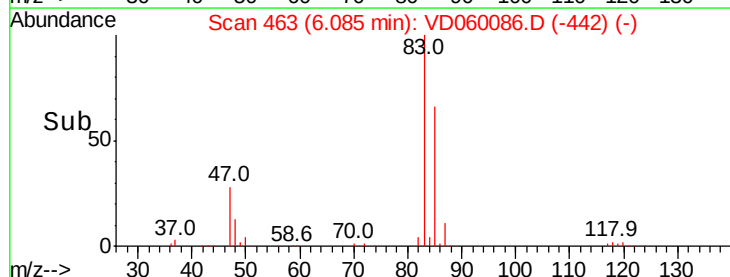
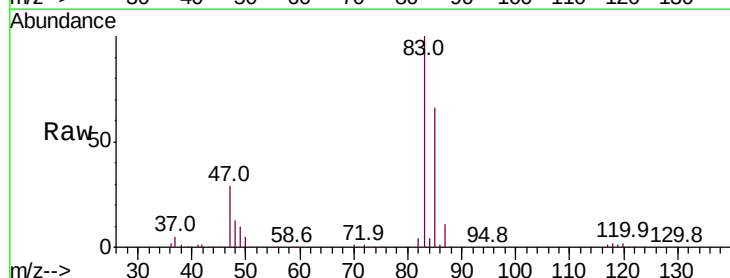
Acq: 25 Sep 2018 11:32

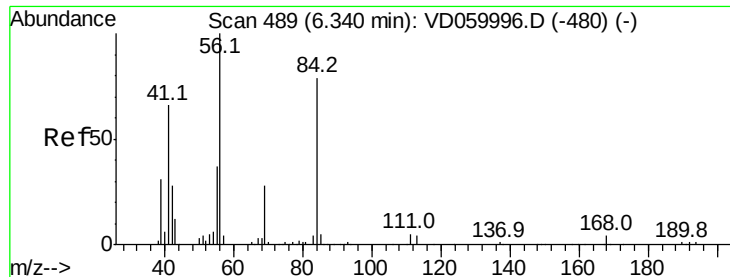
Tgt Ion: 83 Resp: 1594183

Ion Ratio Lower Upper

83 100

85 66.3 52.6 78.8

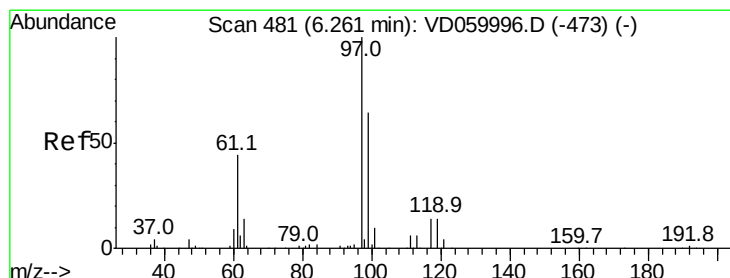
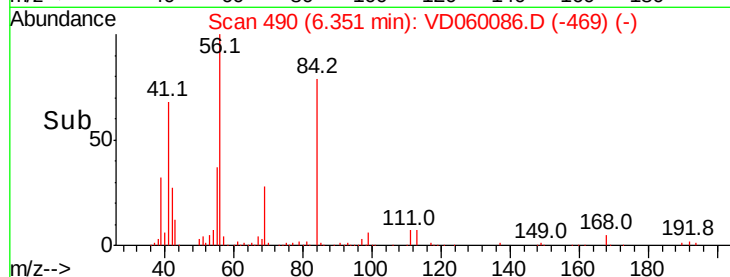
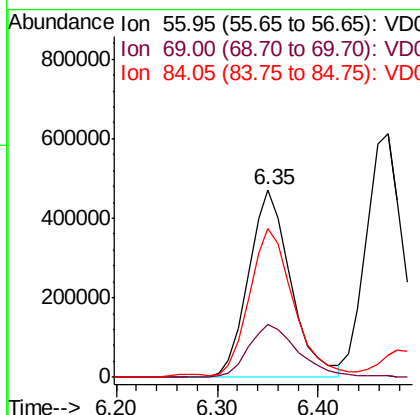
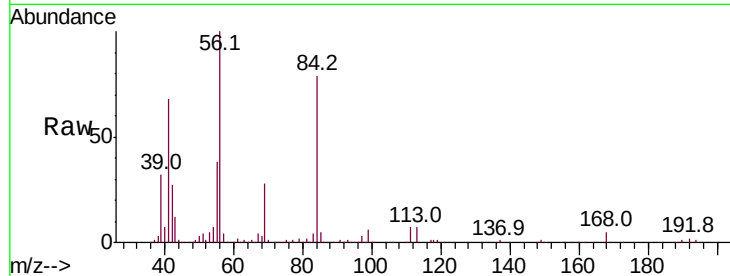




#31
Cyclohexane
Concen: 46.267 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

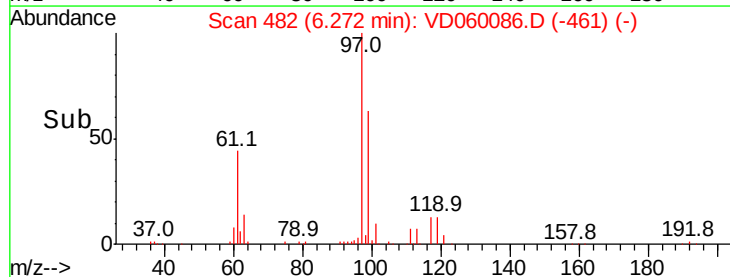
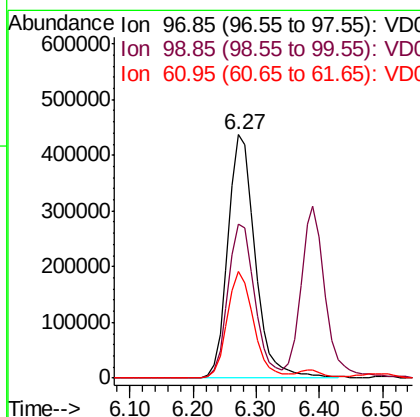
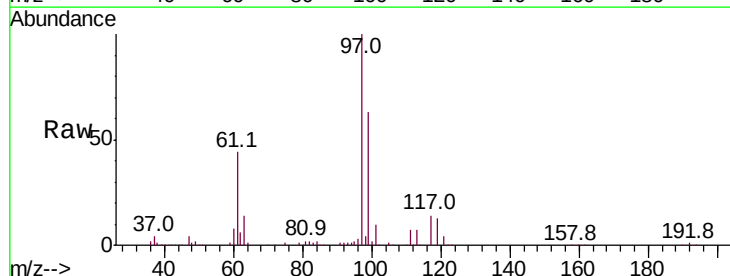
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

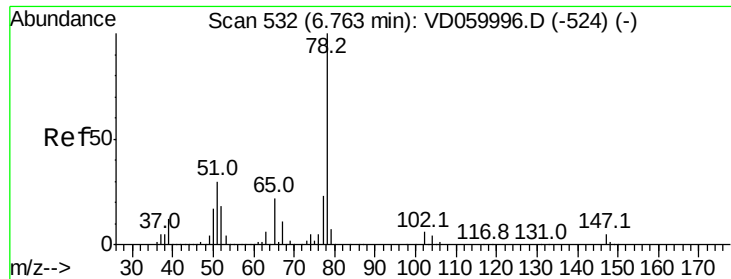
Tot Ion: 56 Resp: 1374121
Ion Ratio Lower Upper
56 100
69 28.0 22.7 34.1
84 79.3 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 50.956 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion: 97 Resp: 1305489
Ion Ratio Lower Upper
97 100
99 63.5 51.3 76.9
61 43.9 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 50.956 ug/l

RT: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

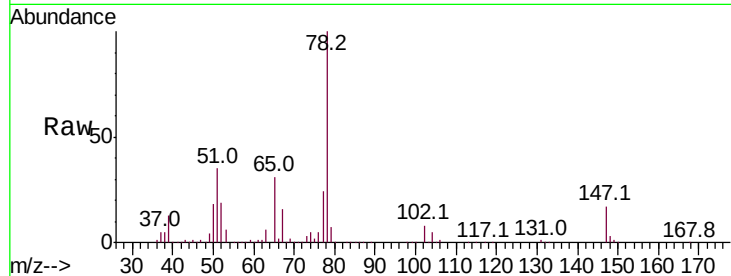
VSTDCCC050

Tot Ion: 65 Resp: 666702

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

250000

200000

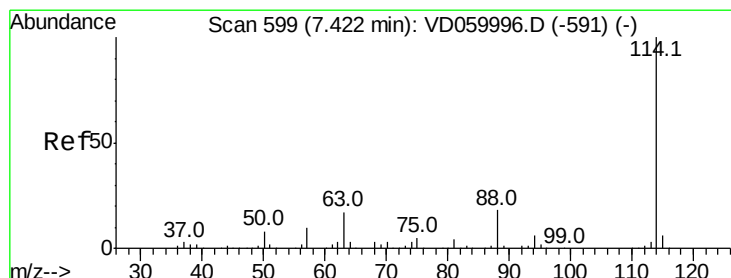
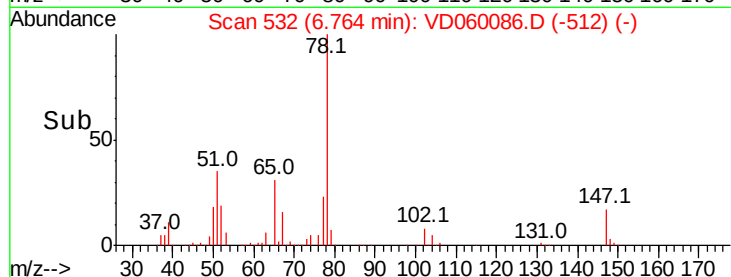
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

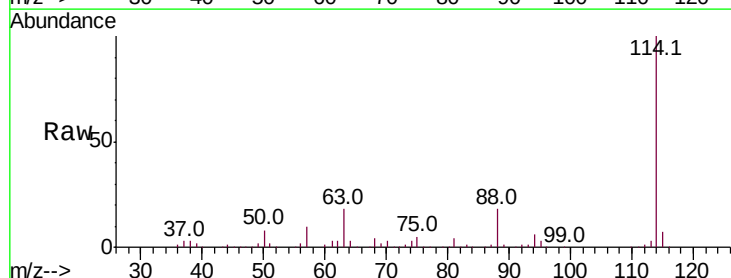
Tgt Ion:114 Resp: 2355472

Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.4

88 18.2 0.0 35.8



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

7.42

1200000

1000000

800000

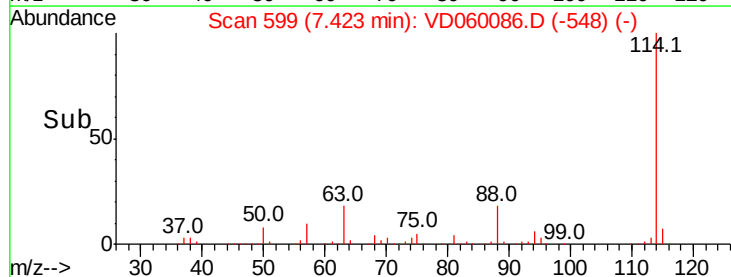
600000

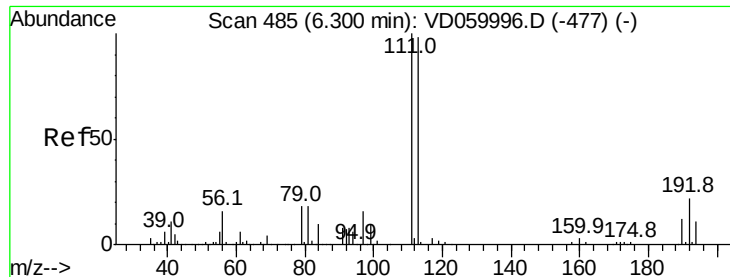
400000

200000

0

Time-->

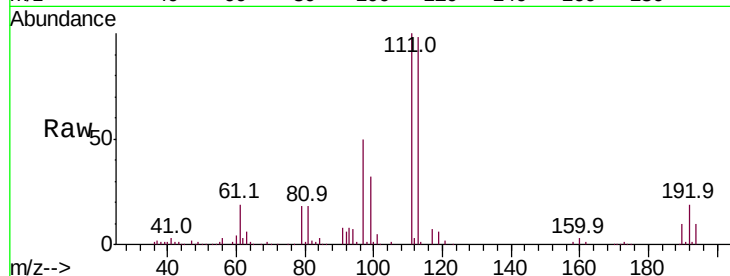




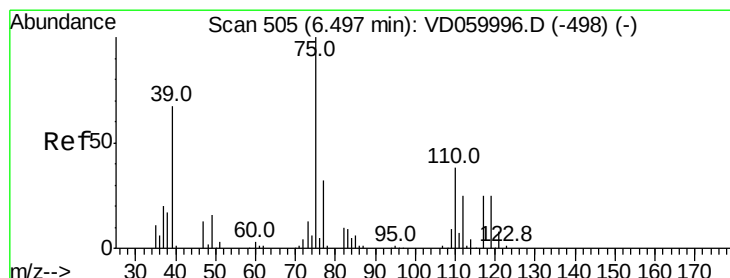
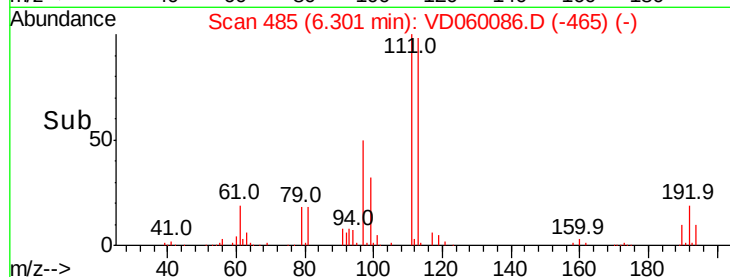
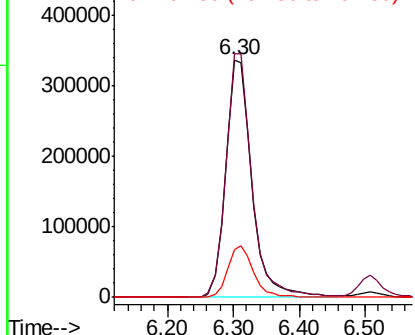
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 932822
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.3 121.9
 192 19.9 18.1 27.1

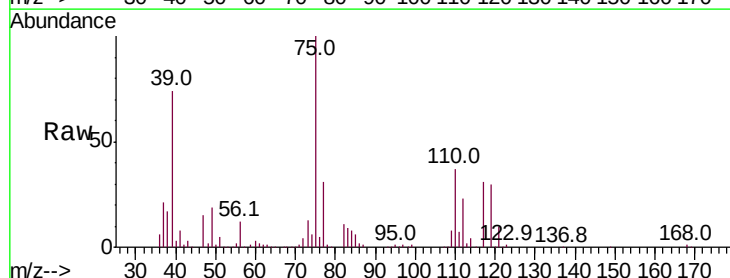


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

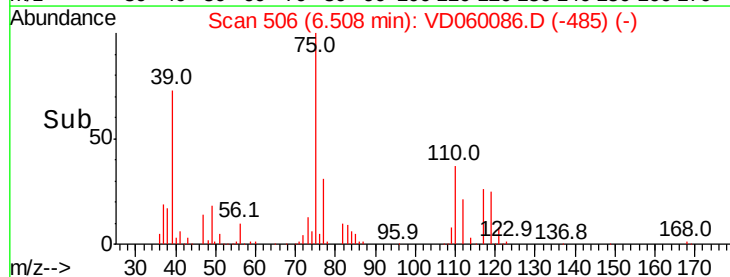
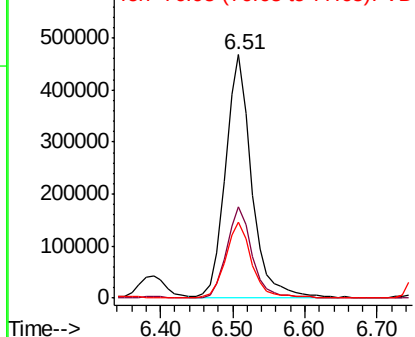


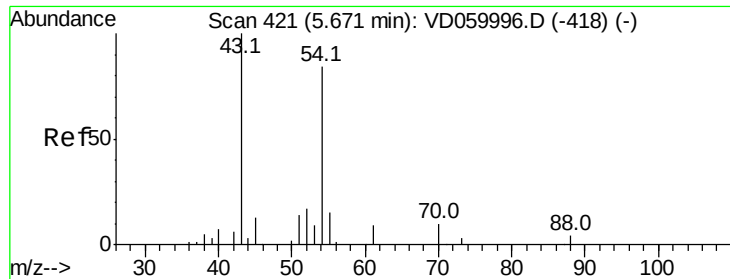
#36
 1,1-Dichloropropene
 Concen: 49.588 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 75 Resp: 1160250
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.9 56.9
 77 31.1 25.3 37.9



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





#37

Ethyl Acetate

Concen: 45.153 ug/l

RT: 5.68 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

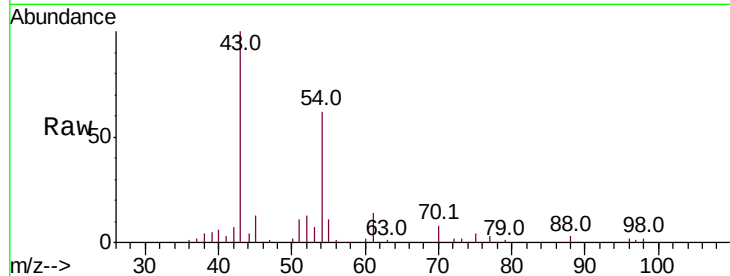
Tot Ion: 43 Resp: 726524

Ion Ratio Lower Upper

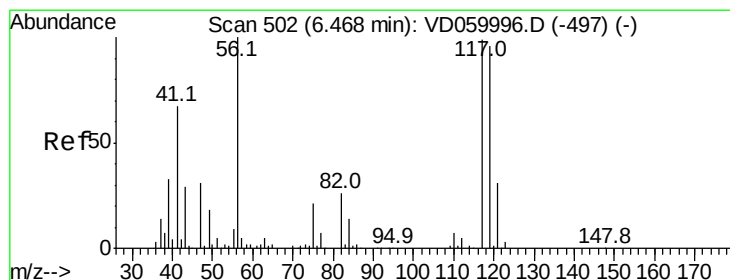
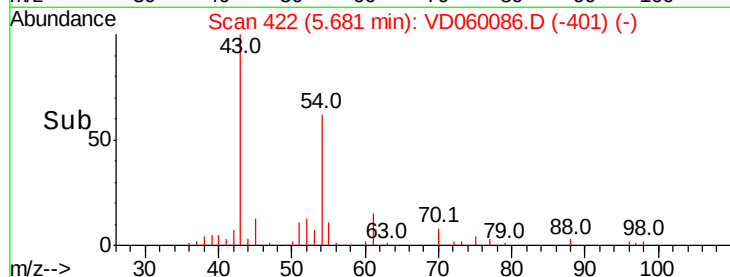
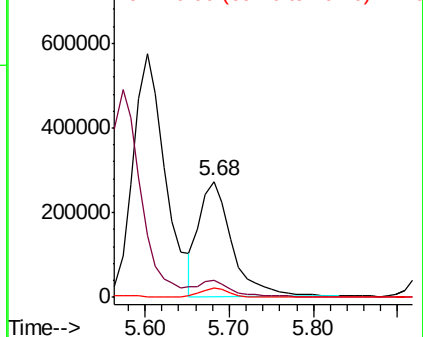
43 100

61 14.5 10.2 15.2

70 7.6 6.1 9.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 49.008 ug/l

RT: 6.48 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

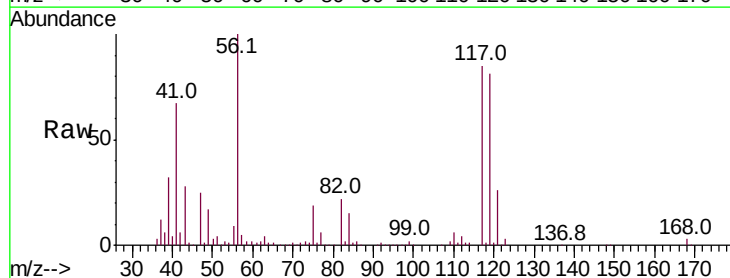
Tgt Ion: 117 Resp: 1070427

Ion Ratio Lower Upper

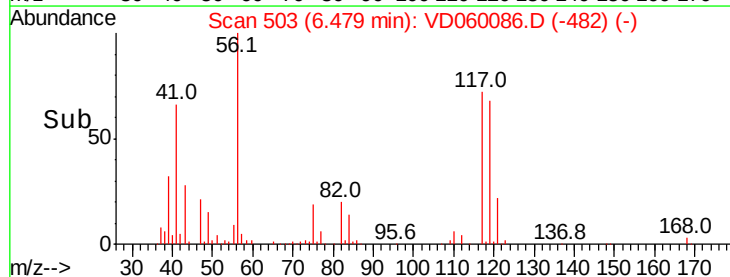
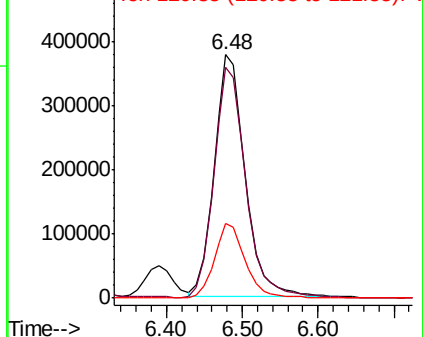
117 100

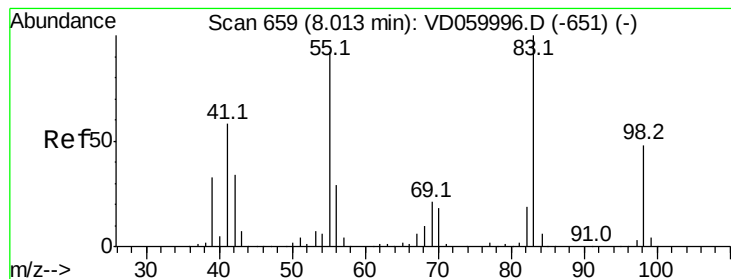
119 94.9 76.7 115.1

121 30.7 24.9 37.3



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





#39

Methylvlcyclohexane

Concen: 51.098 ug/l

RT: 8.02 min Scan# 660

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

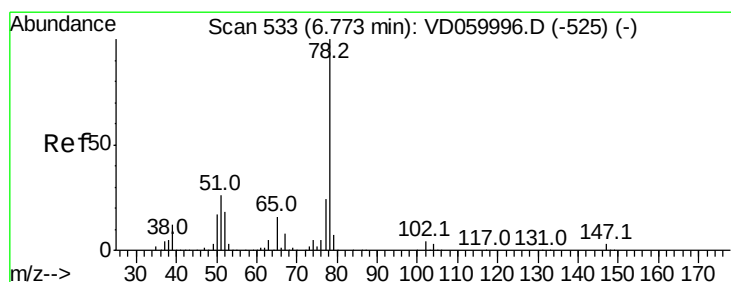
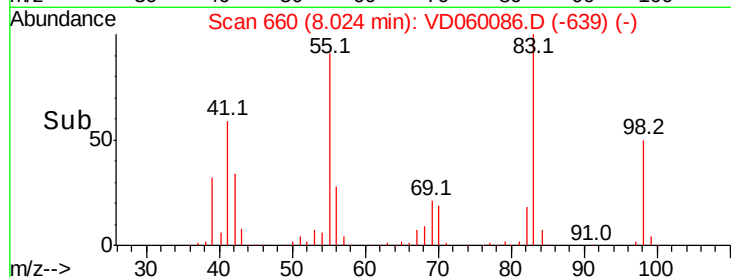
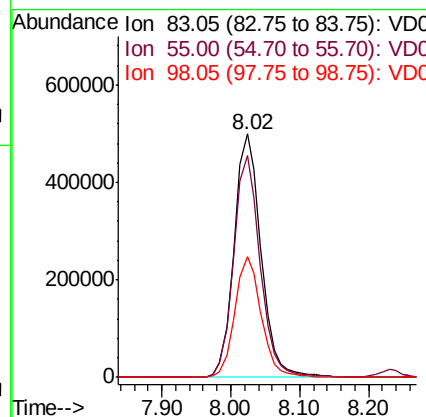
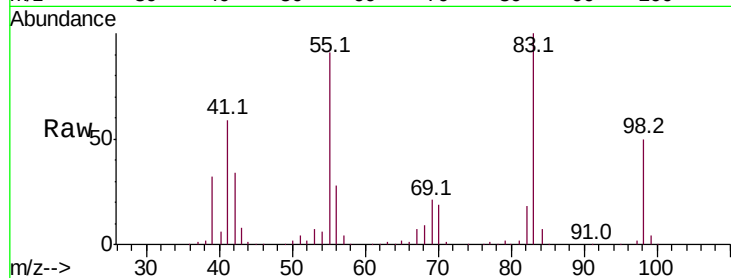
Tot Ion: 83 Resp: 1352488

Ion Ratio Lower Upper

83 100

55 90.9 73.8 110.6

98 49.8 38.1 57.1



#40

Benzene

Concen: 51.281 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060086.D

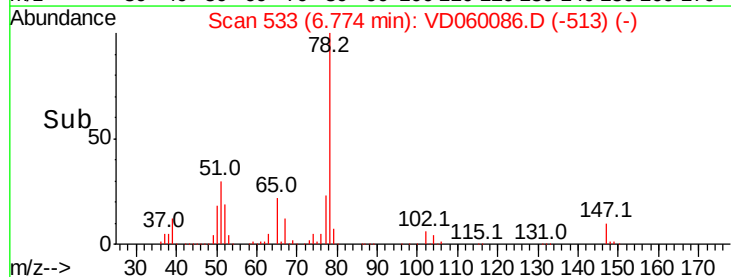
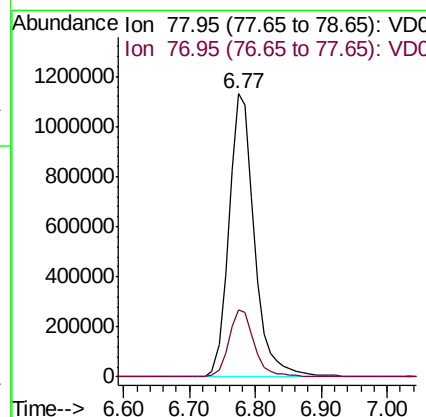
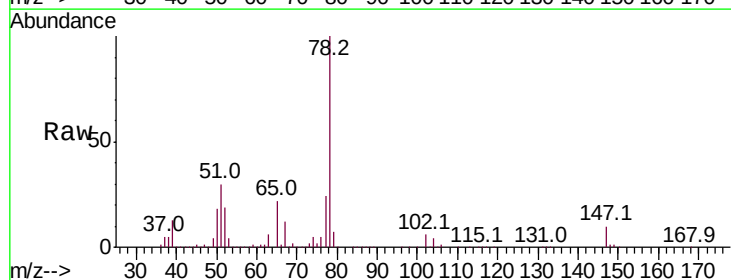
Acq: 25 Sep 2018 11:32

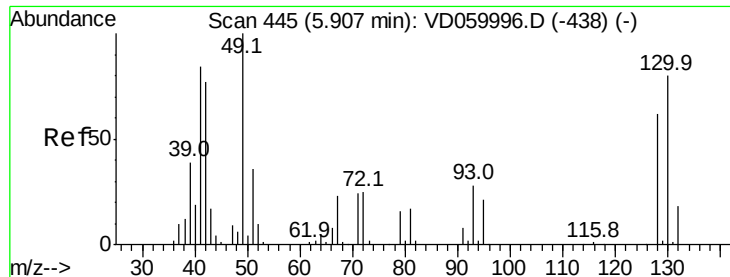
Tgt Ion: 78 Resp: 3058177

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.4

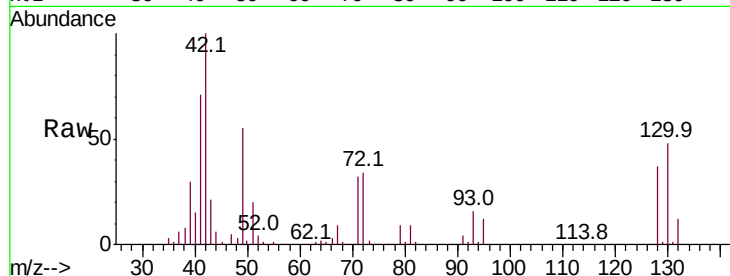




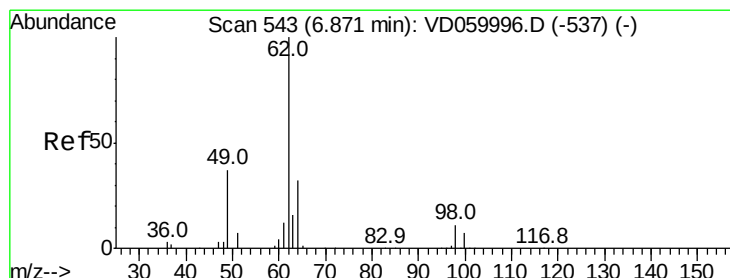
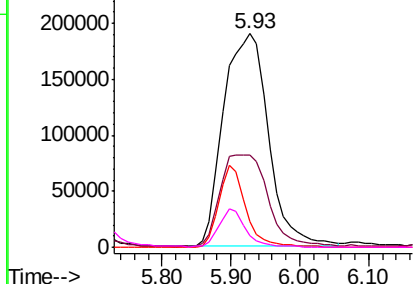
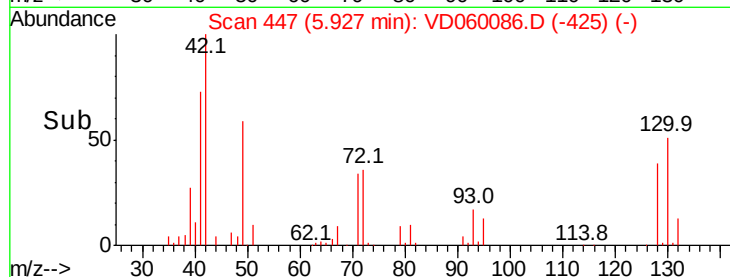
#41
Methacrylonitrile
Concen: 102.129 ug/l
RT: 5.93 min Scan# 447
Delta R.T. 0.02 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 860678
Ion Ratio Lower Upper
41 100
39 42.9 37.5 56.3
67 12.1 21.5 32.3#
52 5.6 9.2 13.8#

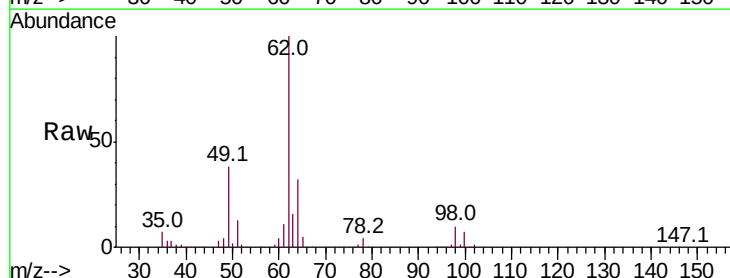


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

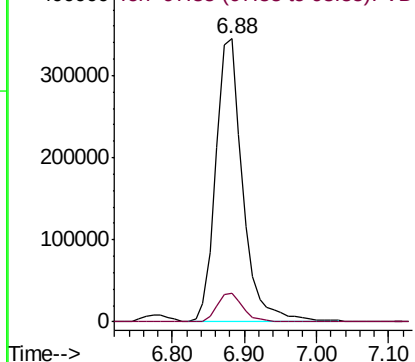
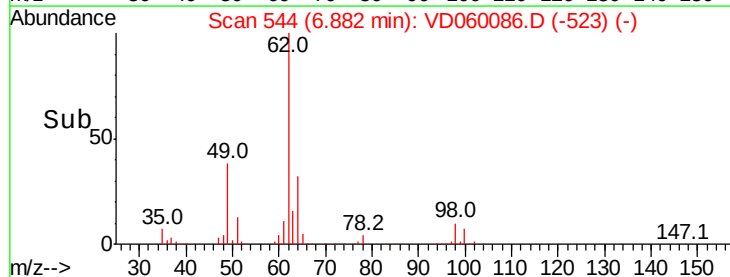


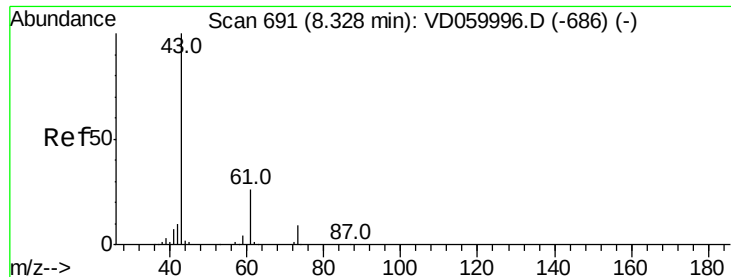
#42
1,2-Dichloroethane
Concen: 49.029 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion: 62 Resp: 877938
Ion Ratio Lower Upper
62 100
98 10.3 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 48.277 ug/l

RT: 8.33 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

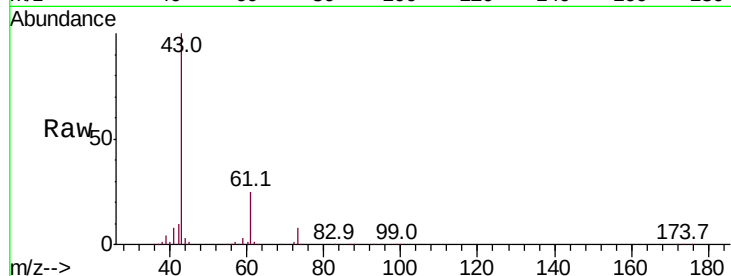
Tot Ion: 43 Resp: 1040045

Ion Ratio Lower Upper

43 100

61 25.5 21.0 31.6

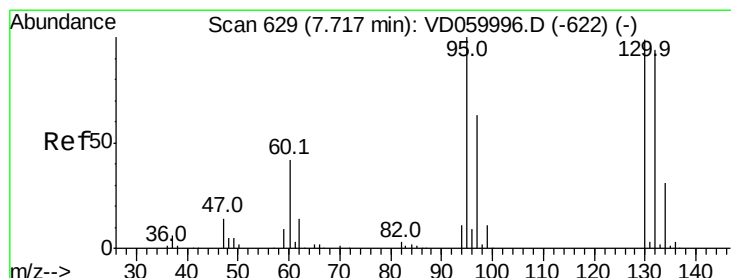
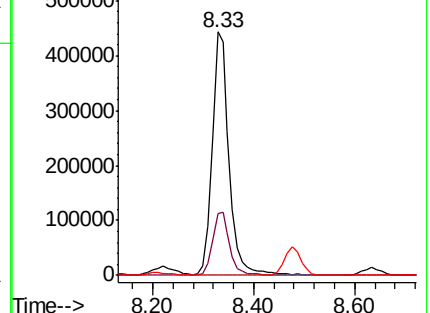
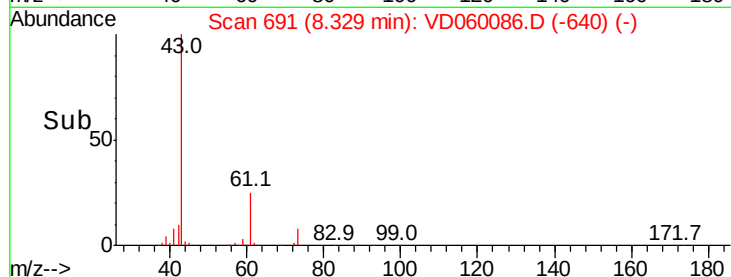
87 0.2 0.2 0.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.080 ug/l

RT: 7.73 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060086.D

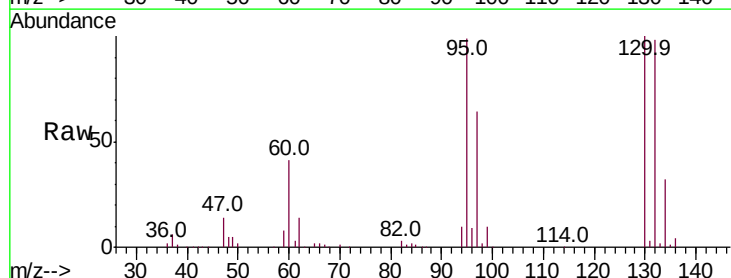
Acq: 25 Sep 2018 11:32

Tgt Ion:130 Resp: 941164

Ion Ratio Lower Upper

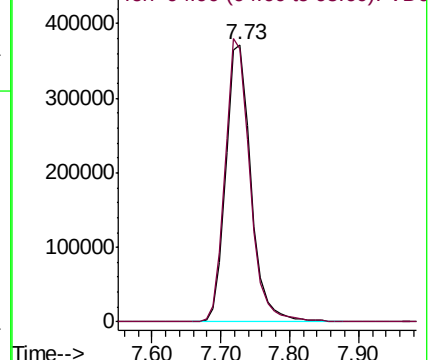
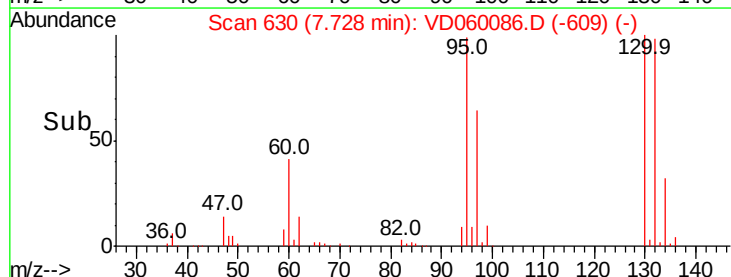
130 100

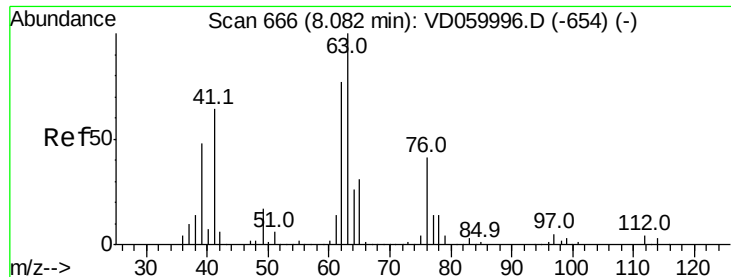
95 98.6 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

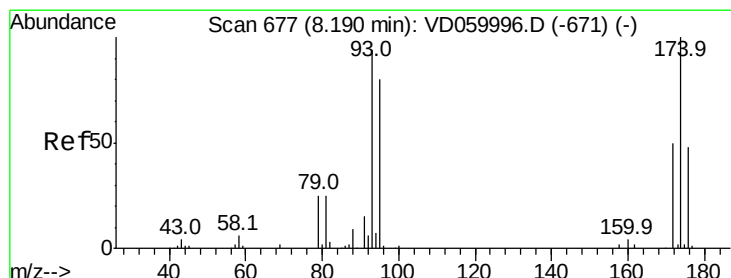
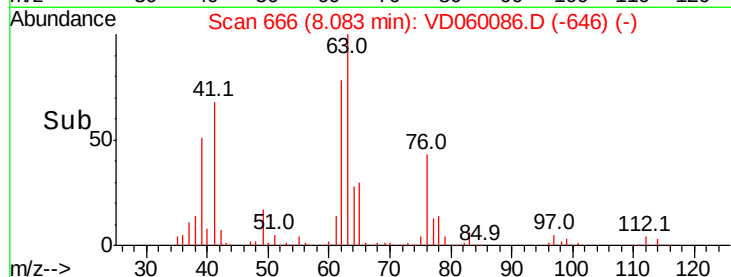
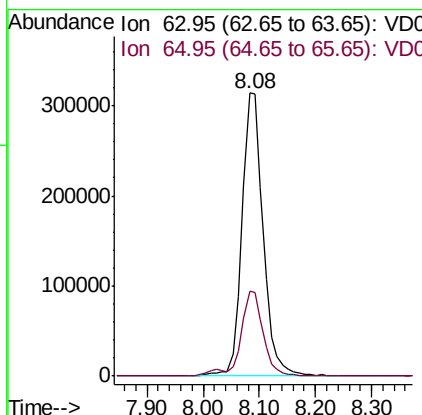
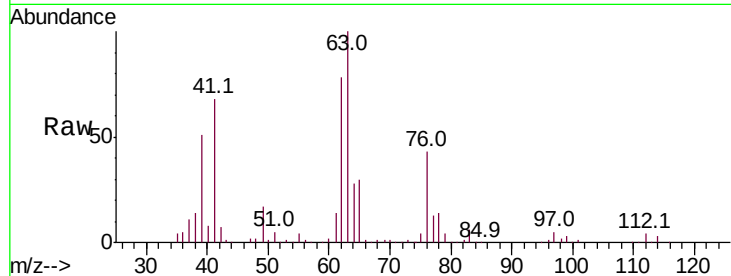




#45
 1,2-Dichloropropane
 Concen: 51.437 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

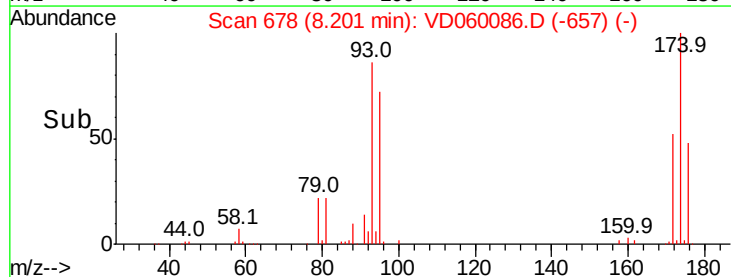
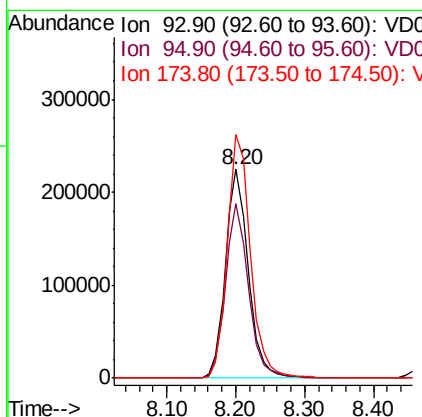
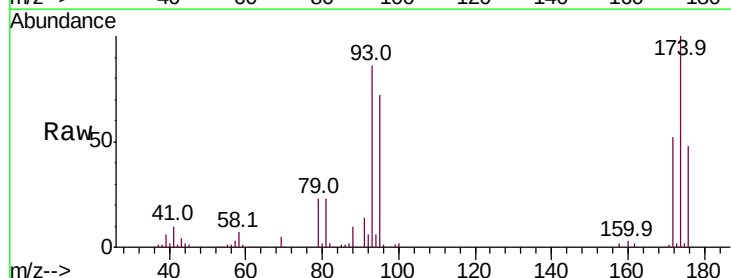
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

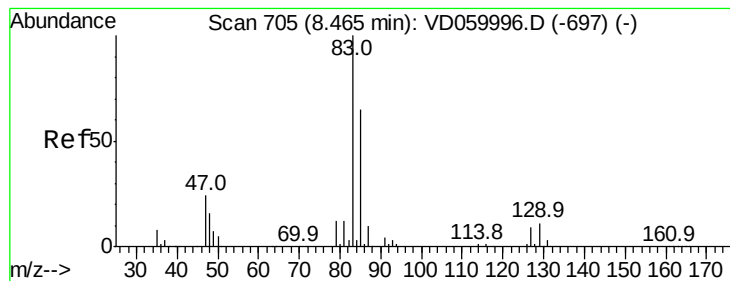
Tot Ion: 63 Resp: 820235
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0



#46
 Dibromomethane
 Concen: 49.721 ug/l
 RT: 8.20 min Scan# 678
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 93 Resp: 517331
 Ion Ratio Lower Upper
 93 100
 95 83.7 68.0 102.0
 174 116.5 85.4 128.2





#47

Bromodichloromethane

Concen: 51.687 ug/l

RT: 8.48 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

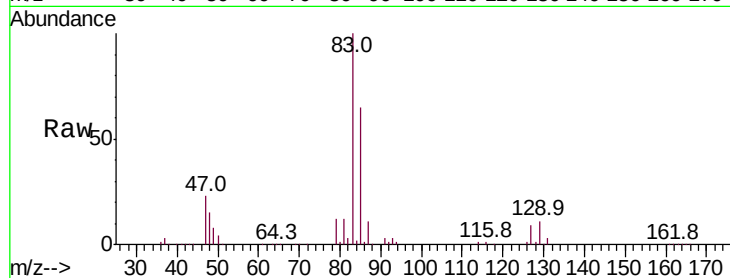
Tot Ion: 83 Resp: 1159464

Ion Ratio Lower Upper

83 100

85 65.0 51.9 77.9

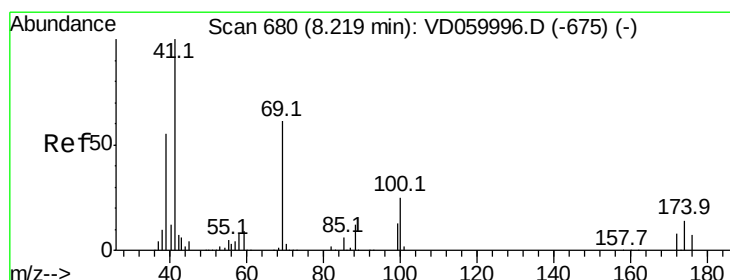
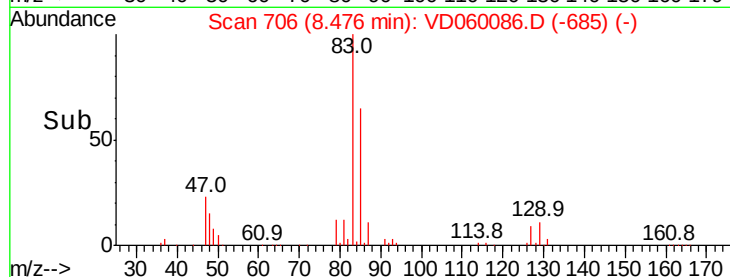
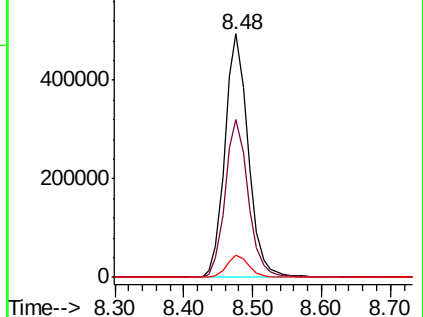
127 8.9 6.8 10.2



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: 48.106 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

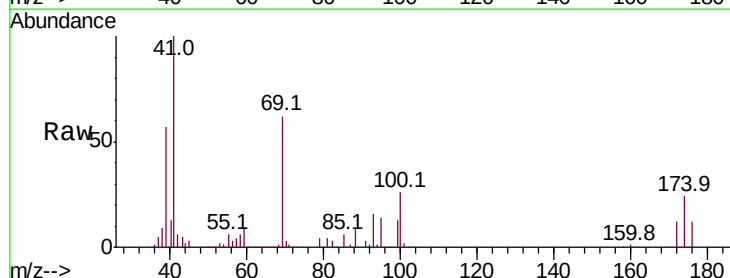
Tgt Ion: 41 Resp: 577192

Ion Ratio Lower Upper

41 100

69 61.7 48.3 72.5

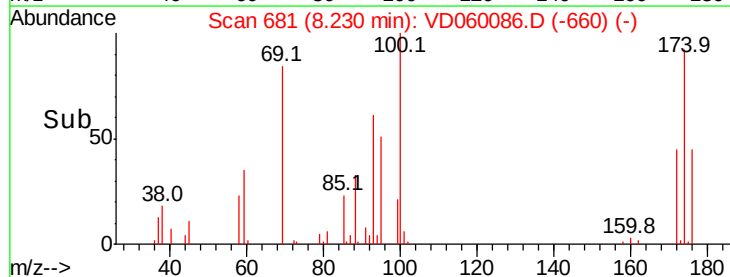
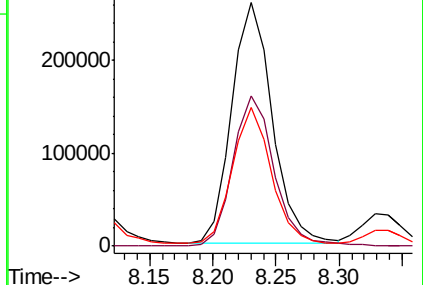
39 56.7 44.1 66.1

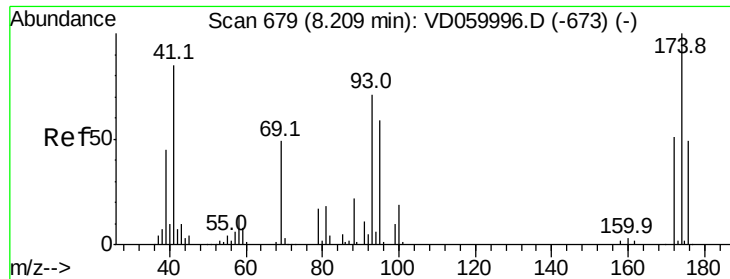


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 931.681 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

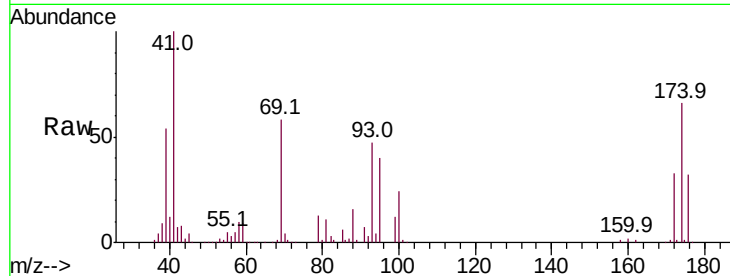
Tot Ion: 88 Resp: 111030

Ion Ratio Lower Upper

88 100

43 49.3 36.2 54.2

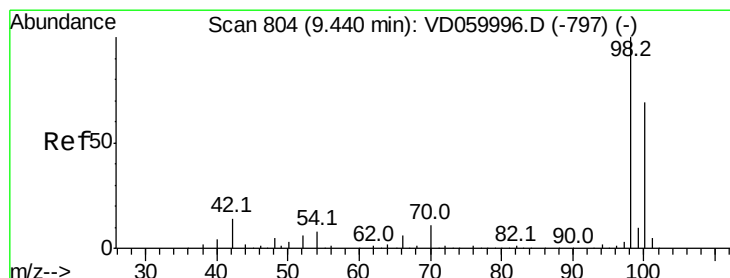
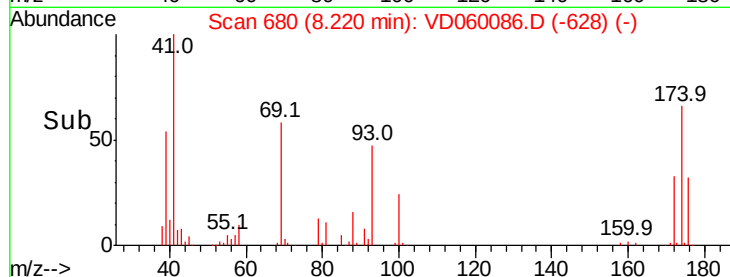
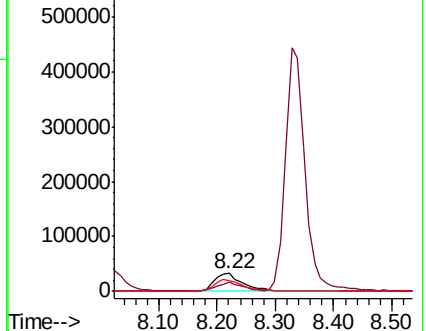
58 62.3 51.0 76.6



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: 931.681 ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.00 min

Lab File: VD060086.D

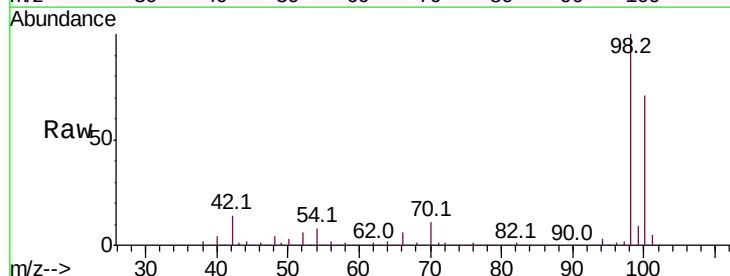
Acq: 25 Sep 2018 11:32

Tgt Ion: 98 Resp: 2624644

Ion Ratio Lower Upper

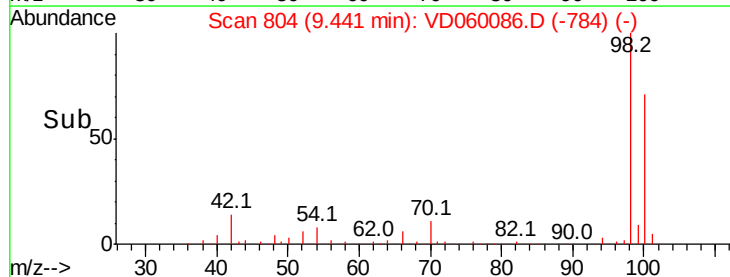
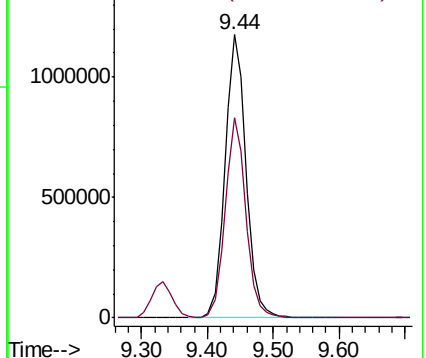
98 100

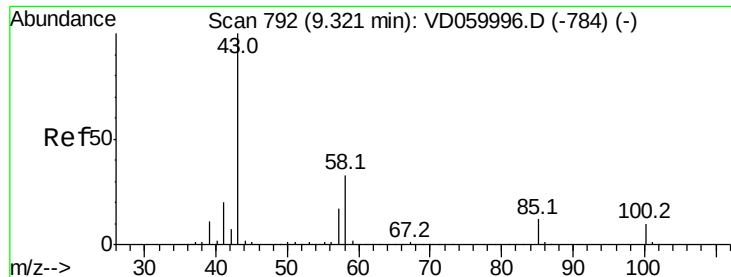
100 70.7 55.8 83.6



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: 218.805 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

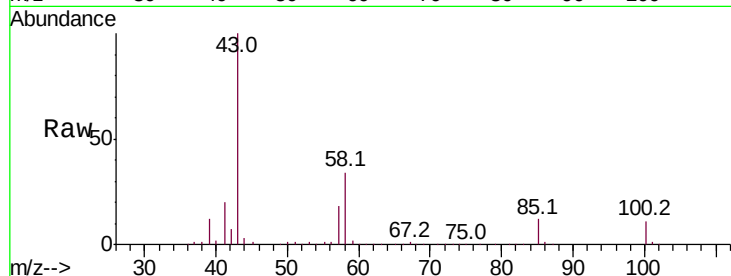
VSTDCCC050

Tot Ion: 43 Resp: 3159121

Ion Ratio Lower Upper

43 100

58 34.5 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

1000000

500000

0

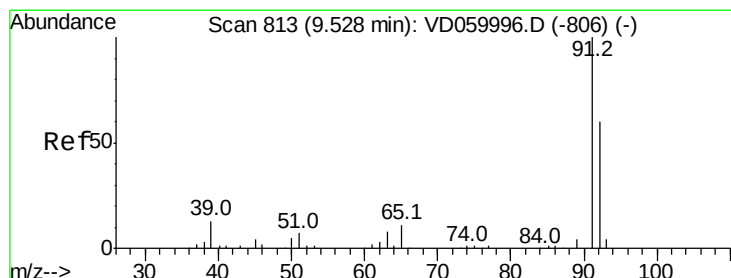
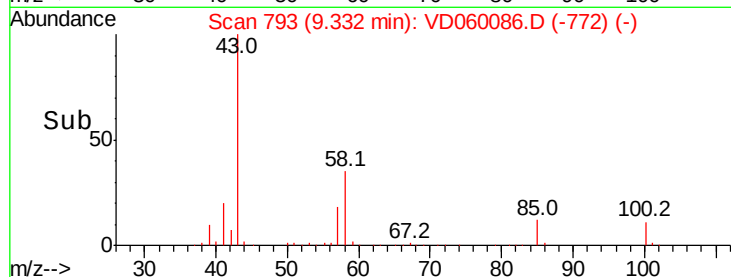
9.33

9.30

9.35

9.40

Time-->



#52

Toluene

Concen: 50.539 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060086.D

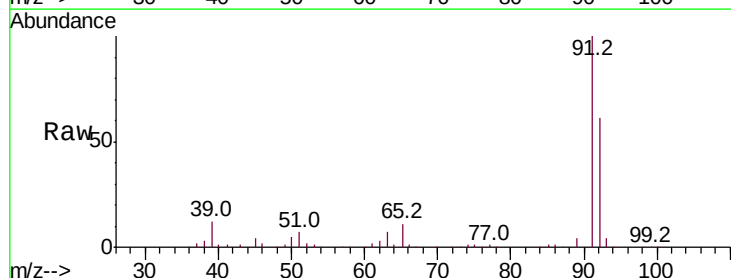
Acq: 25 Sep 2018 11:32

Tgt Ion: 92 Resp: 1931862

Ion Ratio Lower Upper

92 100

91 163.2 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

1000000

500000

0

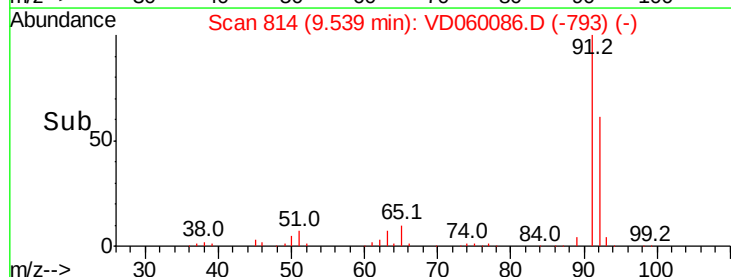
9.54

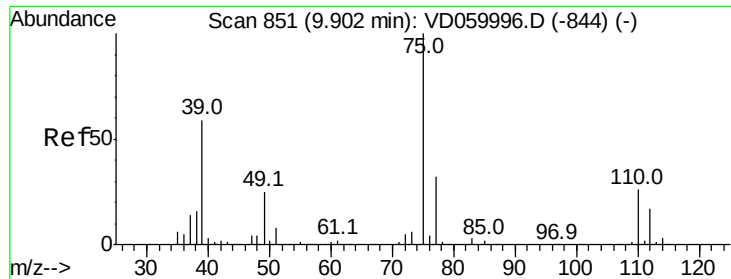
9.50

9.60

9.70

Time-->

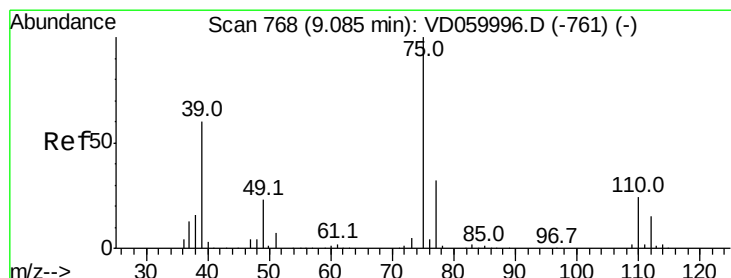
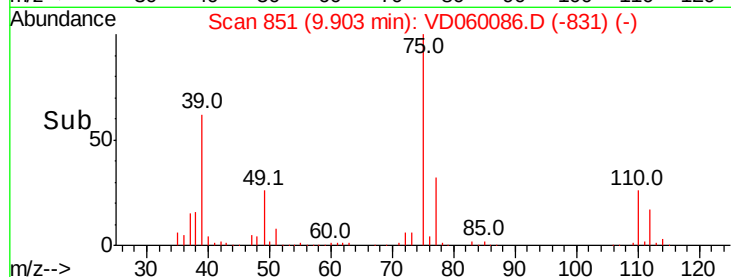
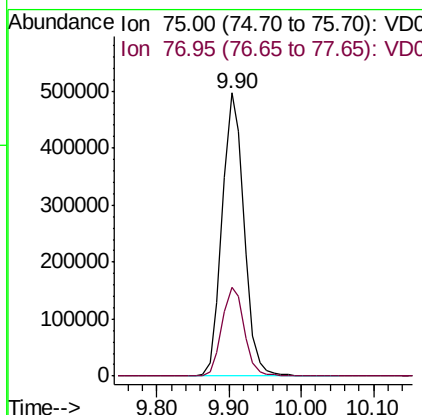
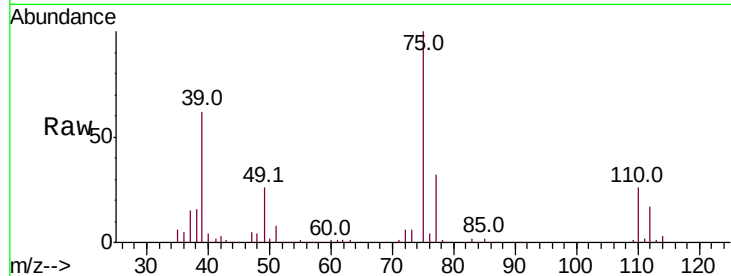




#53
 t-1,3-Dichloropropene
 Concen: 49.886 ug/l
 RT: 9.90 min Scan# 851
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

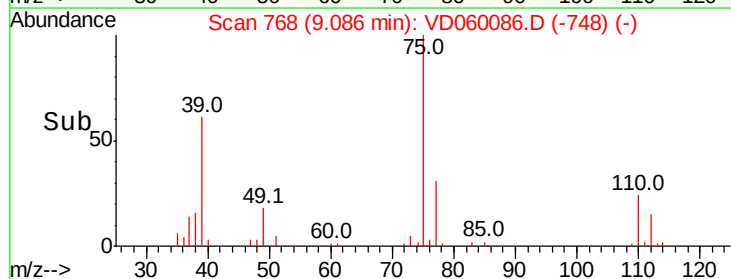
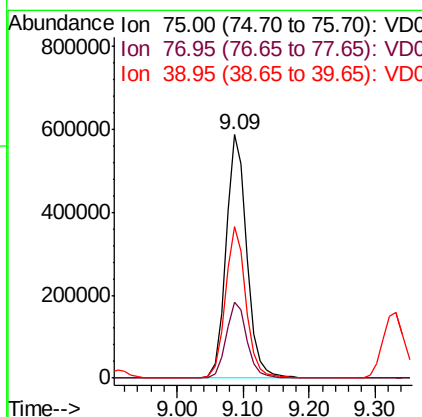
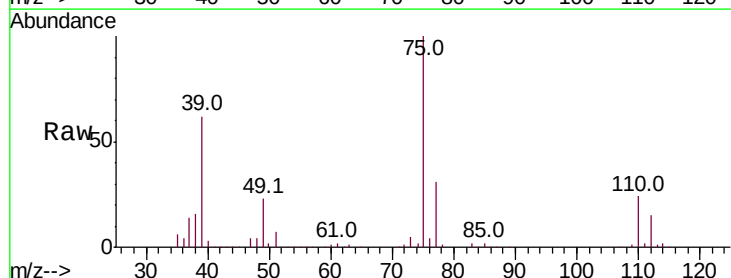
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

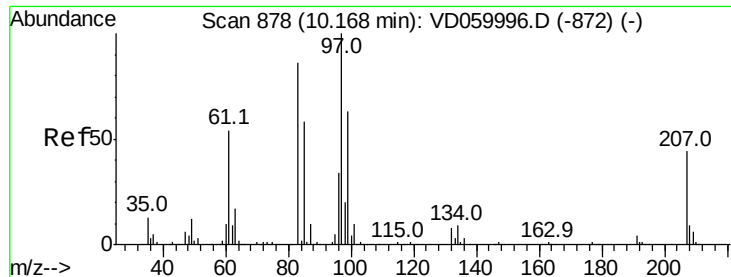
Tot Ion: 75 Resp: 1043714
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 51.698 ug/l
 RT: 9.09 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 75 Resp: 1292323
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.5 38.3
 39 62.1 48.0 72.0



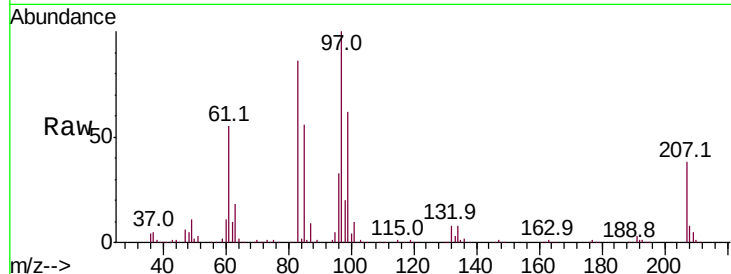


#55
 1,1,2-Trichloroethane
 Concen: 47.936 ug/l
 RT: 10.17 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

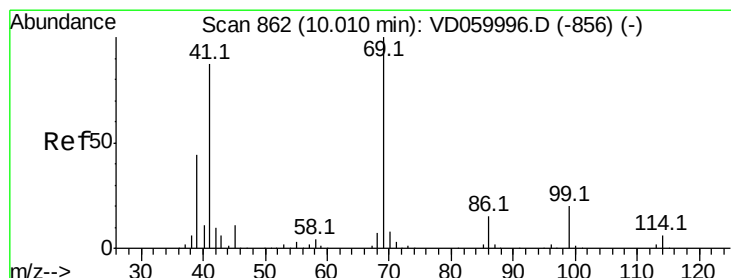
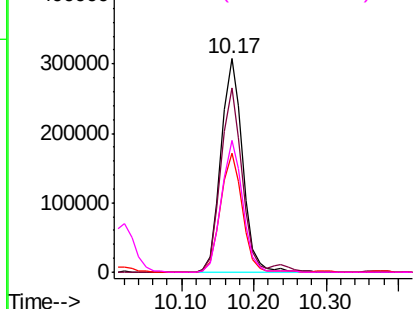
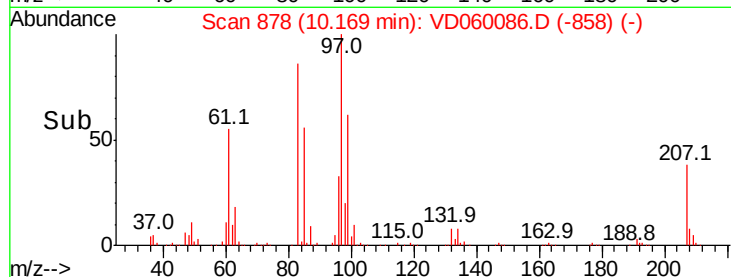
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 636211

Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.1	103.7
85	55.6	46.2	69.4
99	61.6	50.6	75.8



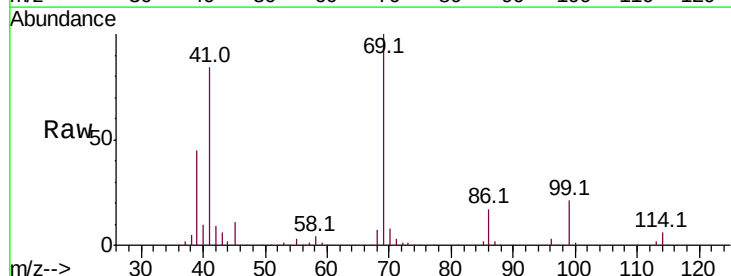
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



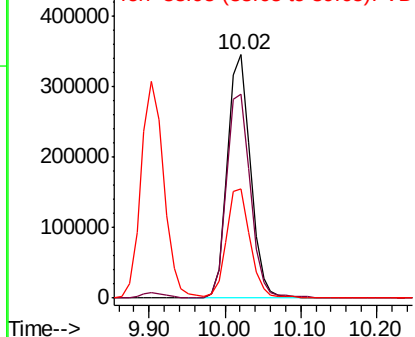
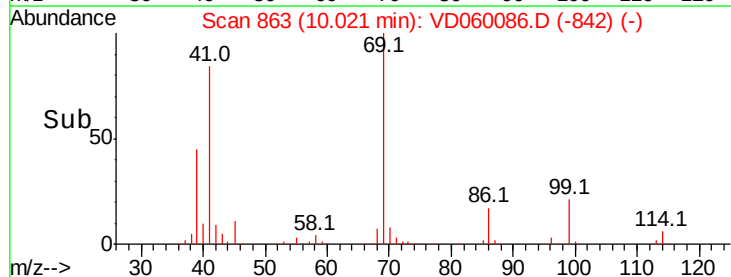
#56
 Ethyl methacrylate
 Concen: 49.351 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

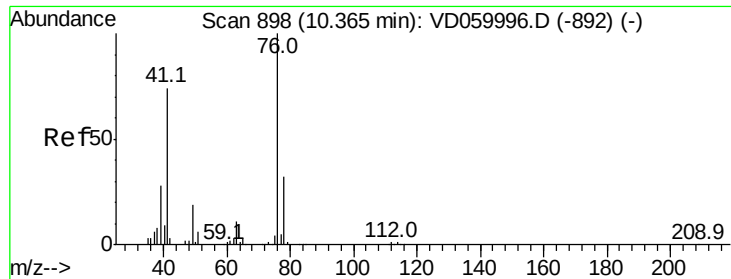
Tgt Ion: 69 Resp: 726502

Ion	Ratio	Lower	Upper
69	100		
41	83.8	70.1	105.1
39	44.7	36.5	54.7



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

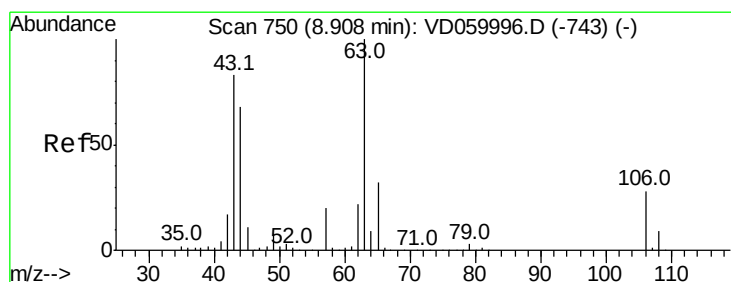
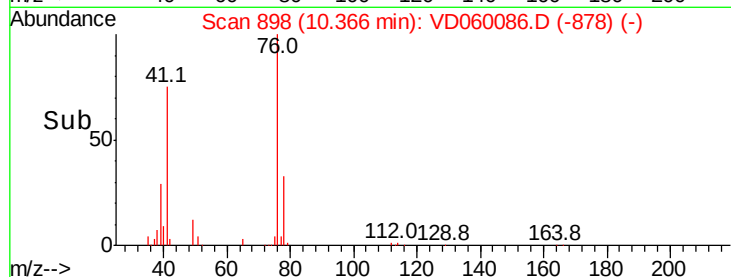
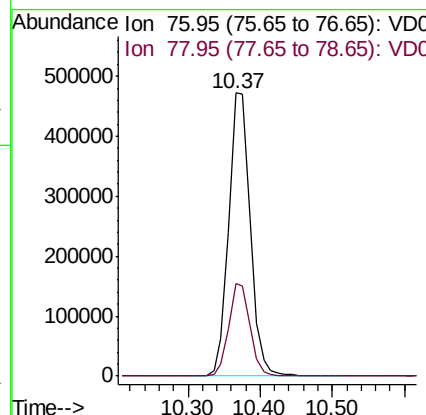
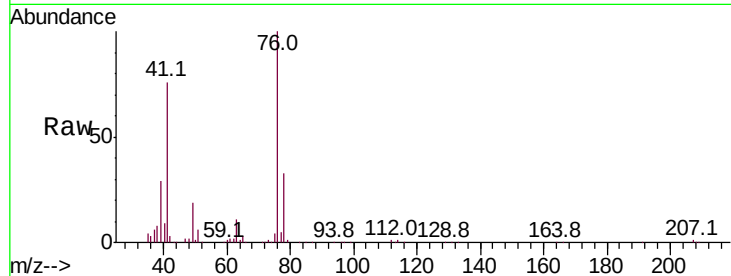




#57
 1,3-Dichloropropane
 Concen: 50.029 ug/l
 RT: 10.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

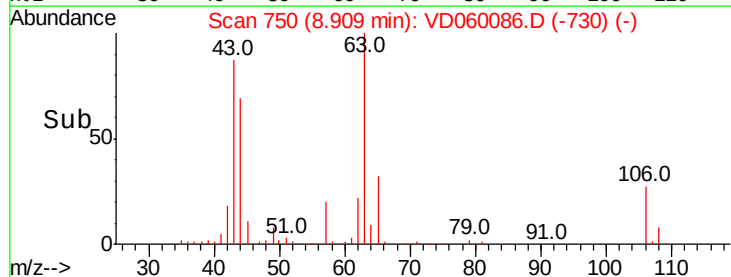
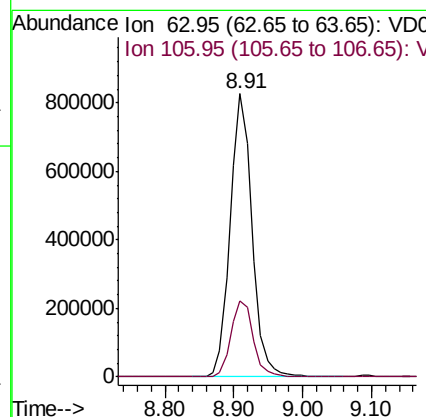
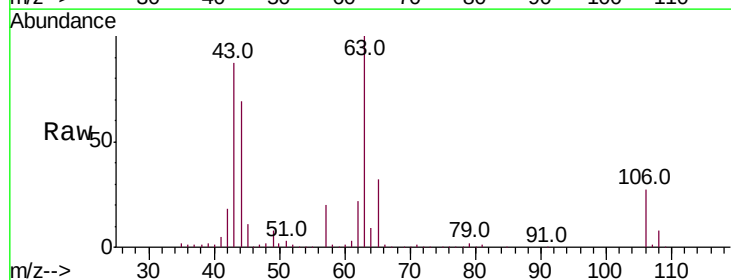
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

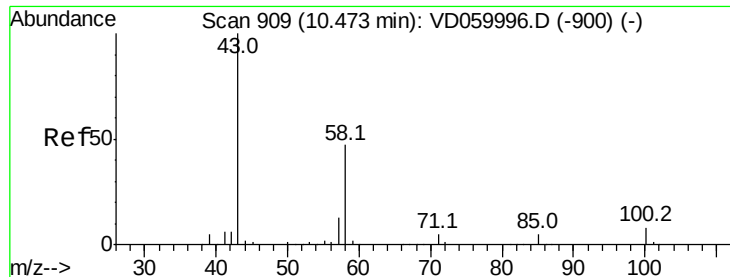
Tot Ion: 76 Resp: 980107
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.737 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 63 Resp: 1817943
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.0 33.0

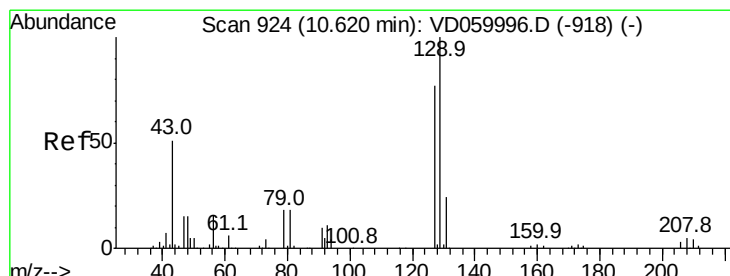
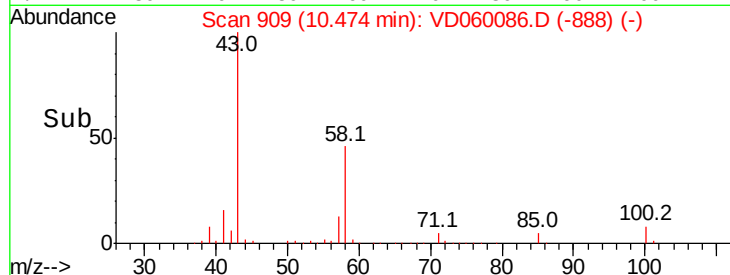
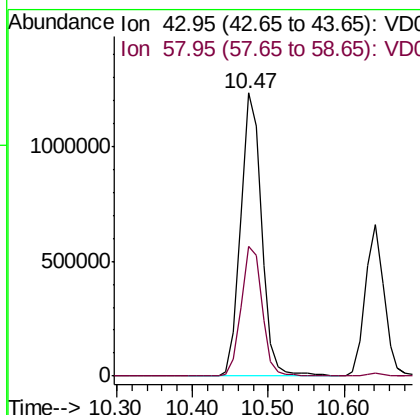
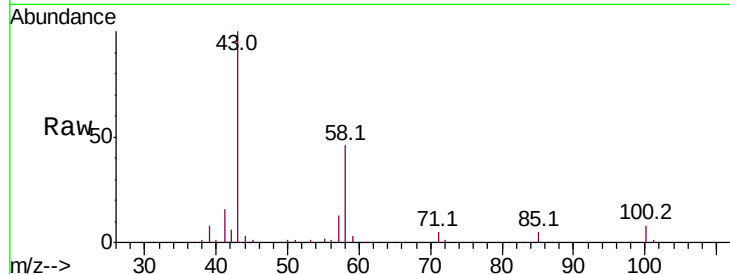




#59
2-Hexanone
Concen: 228.446 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

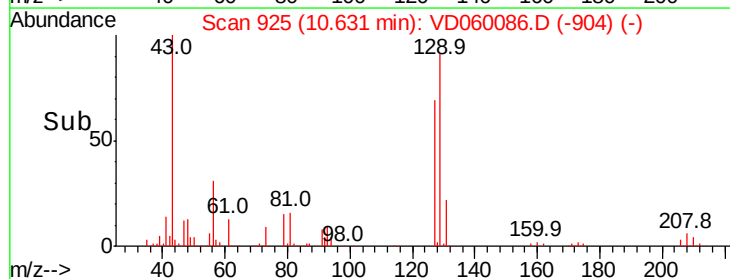
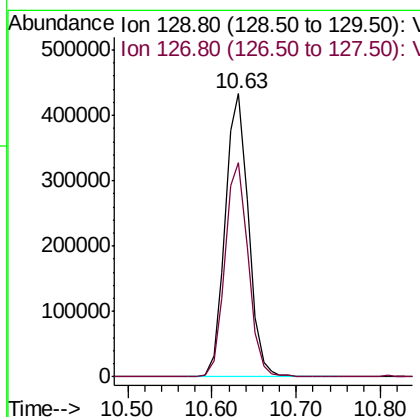
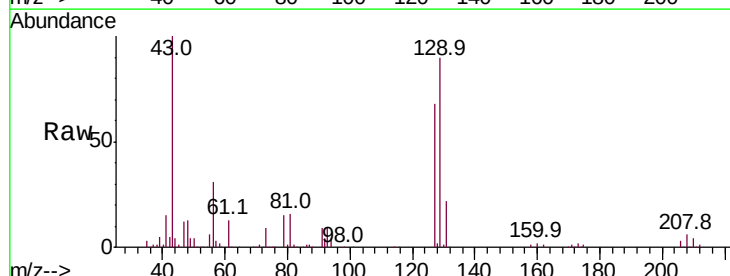
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

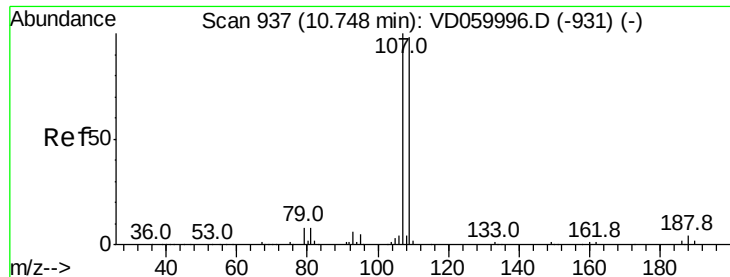
Tot Ion: 43 Resp: 2344508
Ion Ratio Lower Upper
43 100
58 45.9 23.4 70.0



#60
Dibromochloromethane
Concen: 51.414 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion:129 Resp: 830539
Ion Ratio Lower Upper
129 100
127 75.6 38.6 116.0

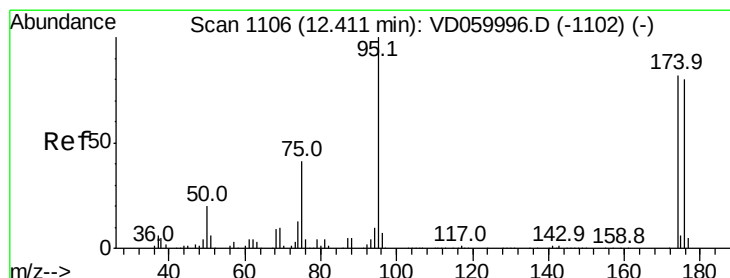
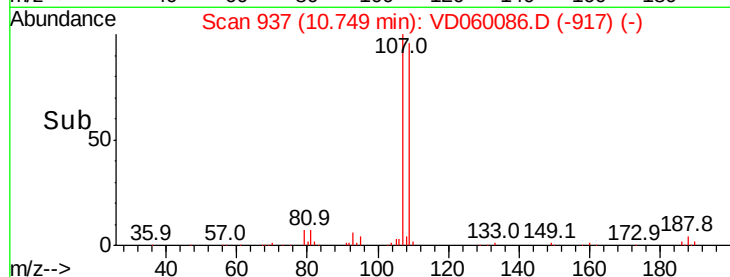
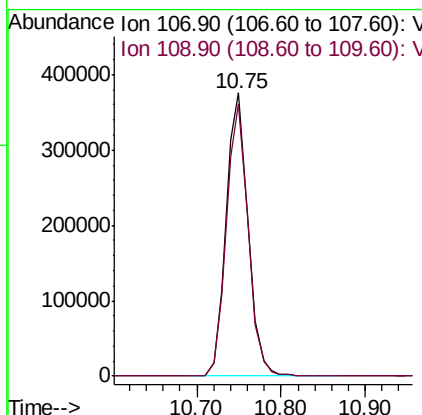
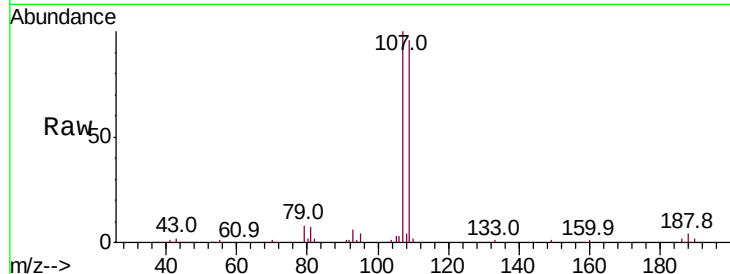




#61
 1,2-Dibromoethane
 Concen: 49.412 ug/l
 RT: 10.75 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

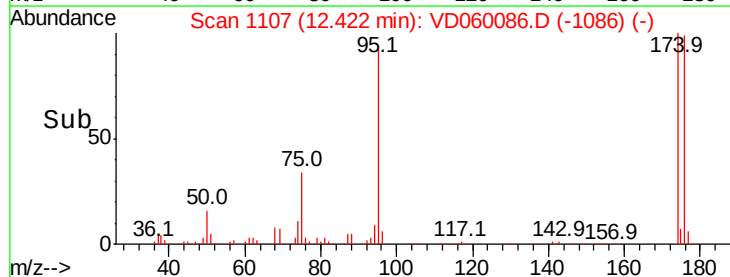
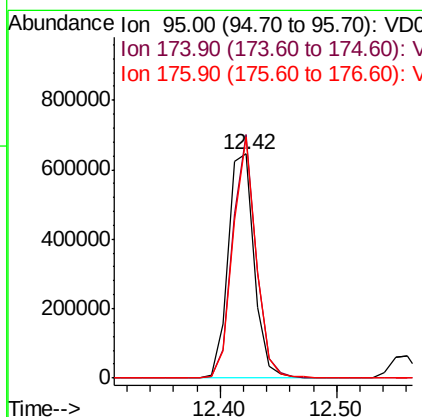
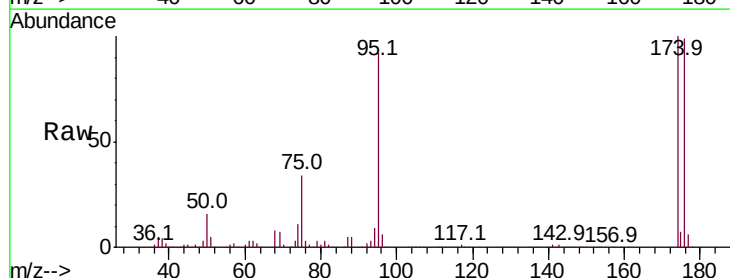
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

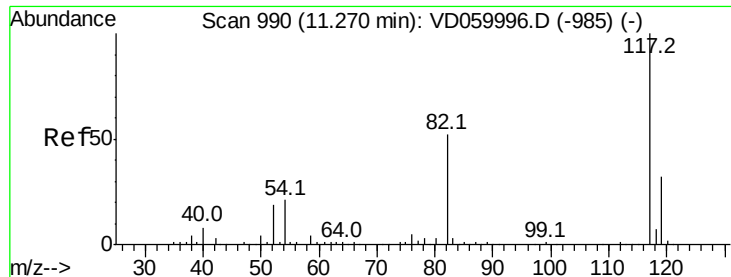
Tot Ion:107 Resp: 677092
 Ion Ratio Lower Upper
 107 100
 109 95.8 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 49.412 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 95 Resp: 1002938
 Ion Ratio Lower Upper
 95 100
 174 108.6 0.0 165.0
 176 107.4 0.0 160.2

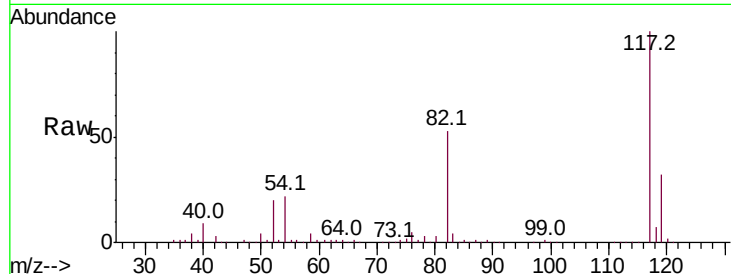




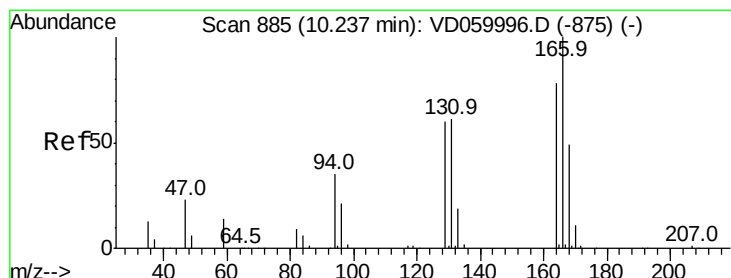
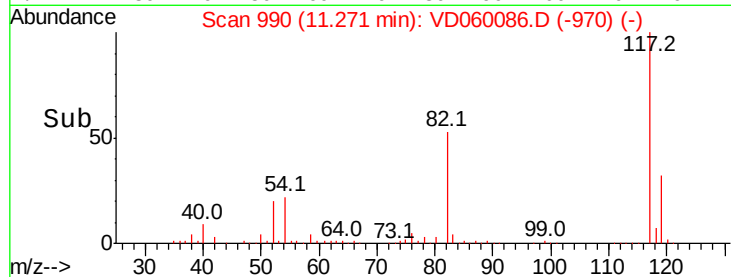
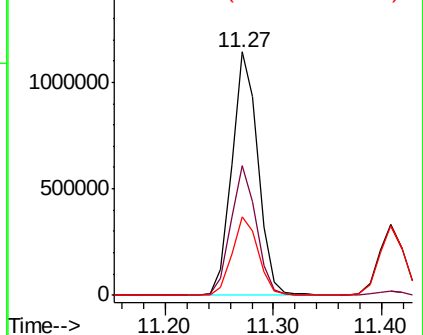
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1909887
Ion Ratio Lower Upper
117 100
82 53.5 41.7 62.5
119 32.5 26.0 39.0

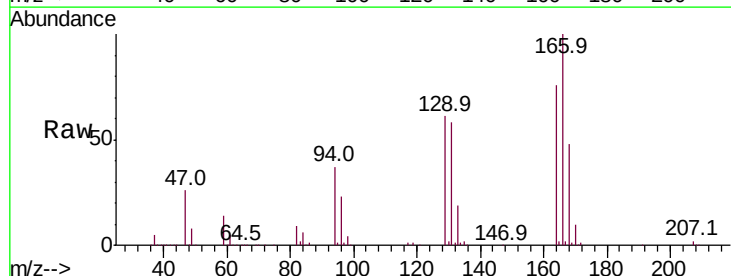


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

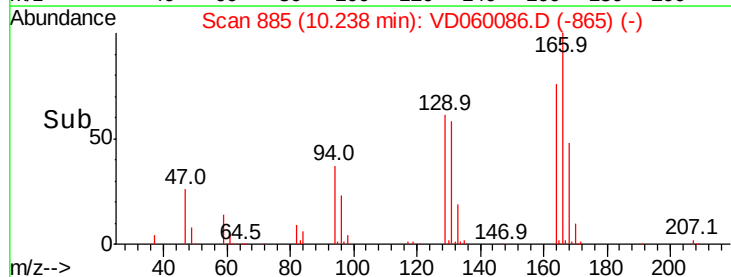
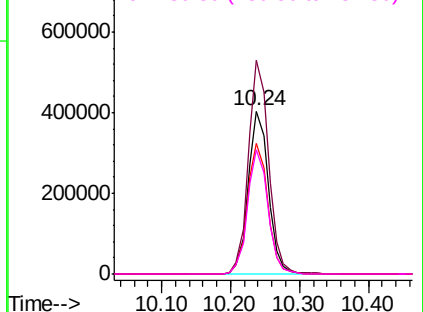


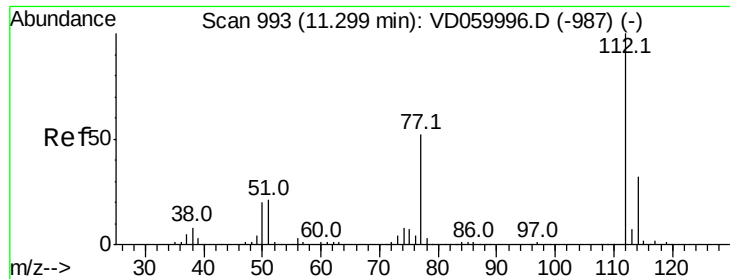
#64
Tetrachloroethene
Concen: 49.078 ug/l
RT: 10.24 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion:164 Resp: 827010
Ion Ratio Lower Upper
164 100
166 131.2 103.0 154.6
129 80.5 61.9 92.9
131 76.5 62.6 93.8



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

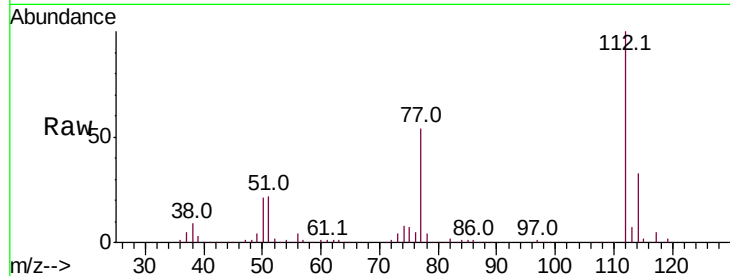




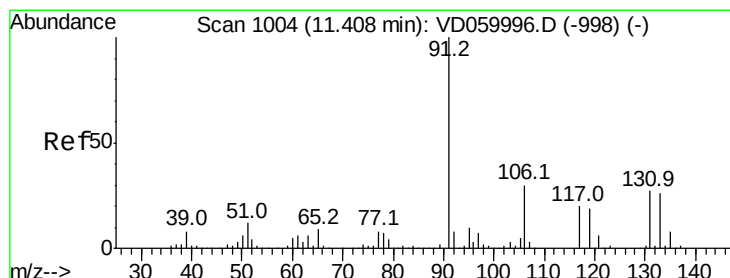
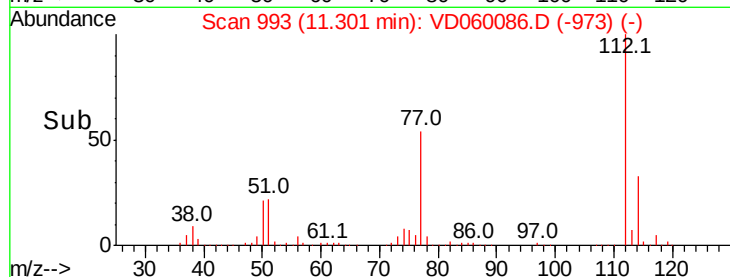
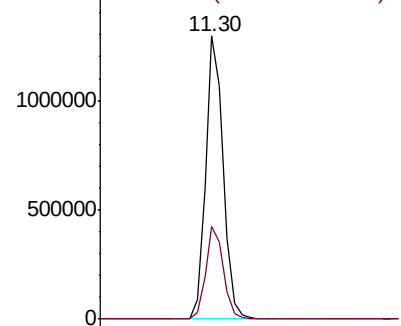
#65
Chlorobenzene
Concen: 51.242 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2104102
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9

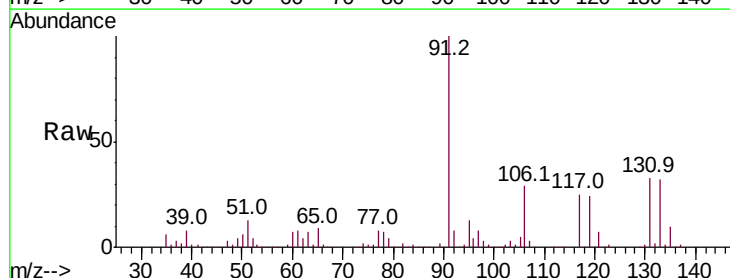


Abundance Ion 111.90 (111.60 to 112.60): V
1500000 Ion 114.00 (113.70 to 114.70): V

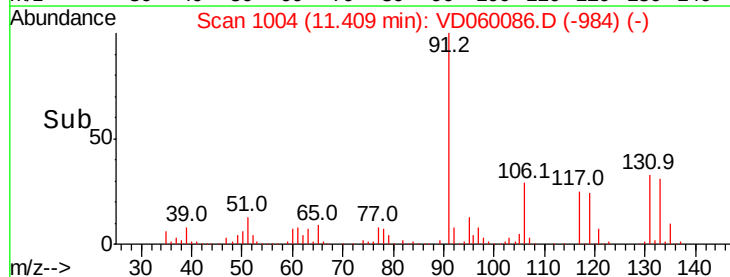
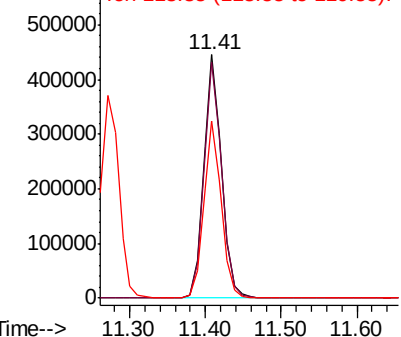


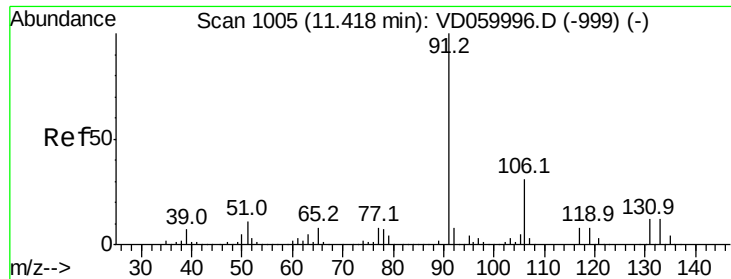
#66
1,1,1,2-Tetrachloroethane
Concen: 52.874 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion:131 Resp: 732281
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.3
119 72.8 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V
600000 Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

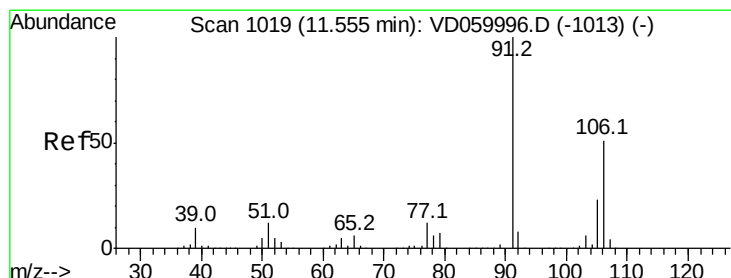
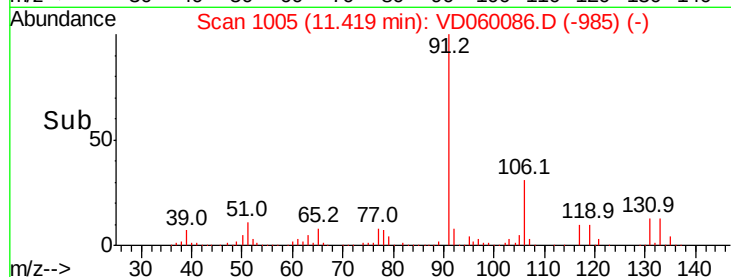
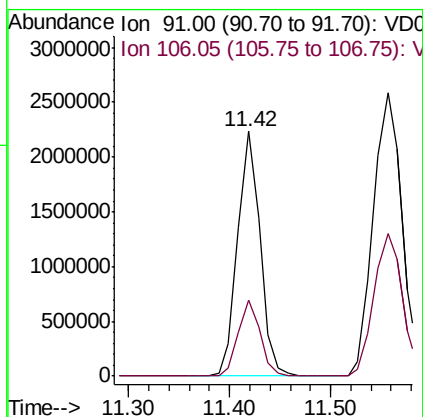
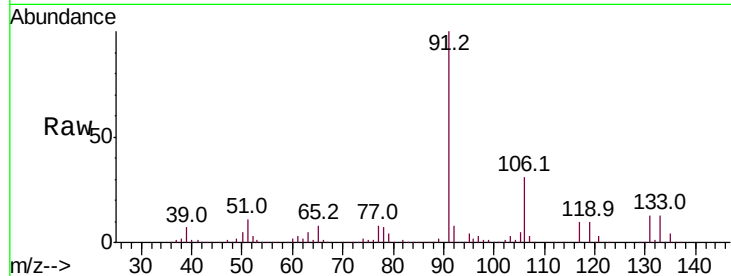




#67
Ethyl Benzene
Concen: 52.515 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

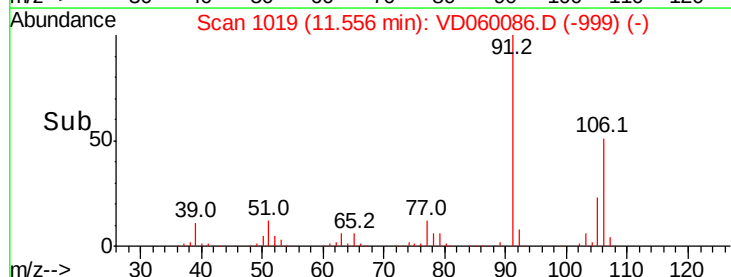
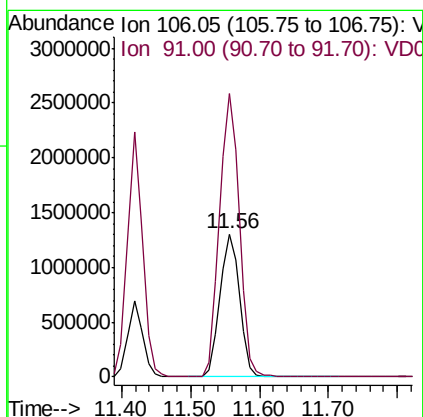
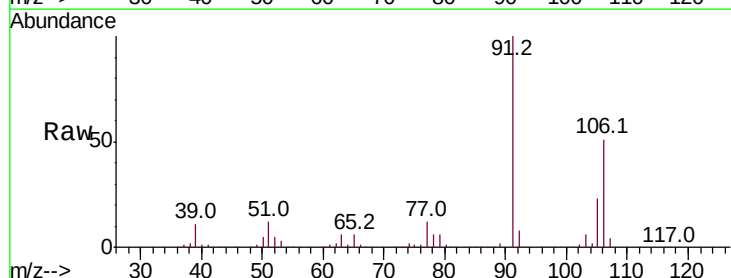
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

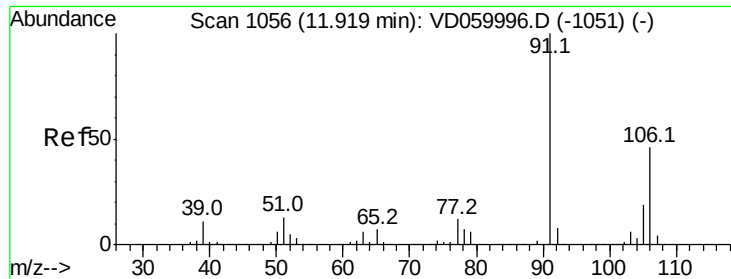
Tot Ion: 91 Resp: 3470191
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2



#68
m/p-Xylenes
Concen: 105.647 ug/l
RT: 11.56 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion: 106 Resp: 2578275
Ion Ratio Lower Upper
106 100
91 197.9 157.0 235.6

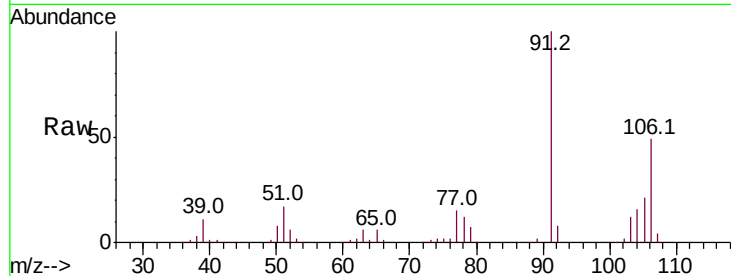




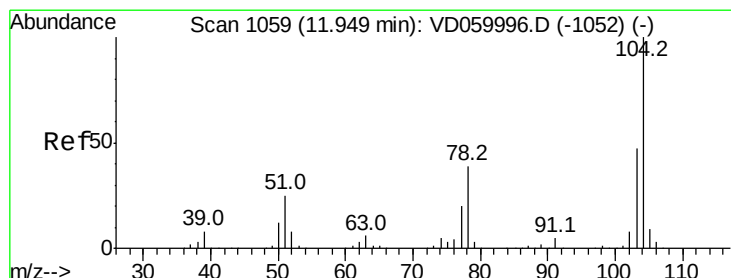
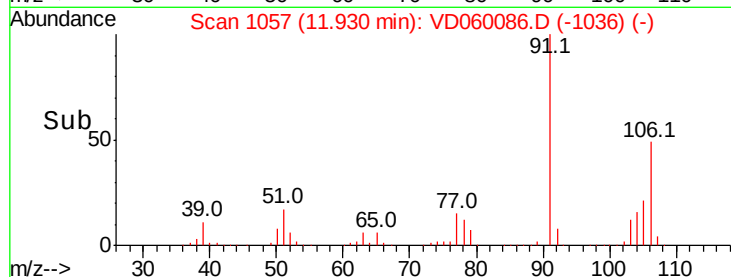
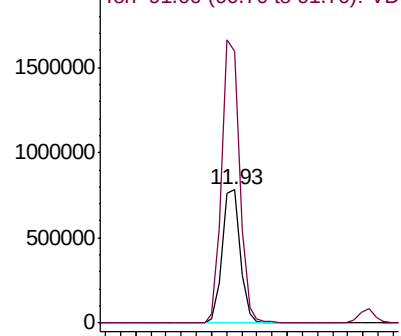
#69
o-Xylene
Concen: 52.929 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1279911
Ion Ratio Lower Upper
106 100
91 204.5 107.7 323.1

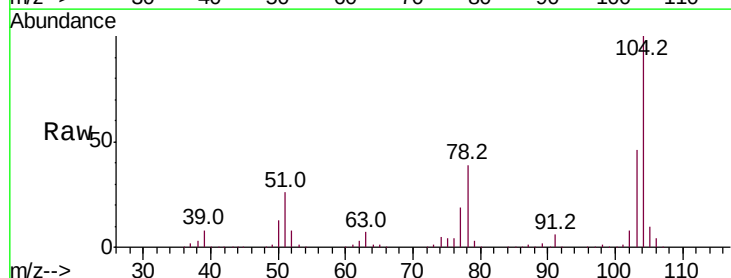


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

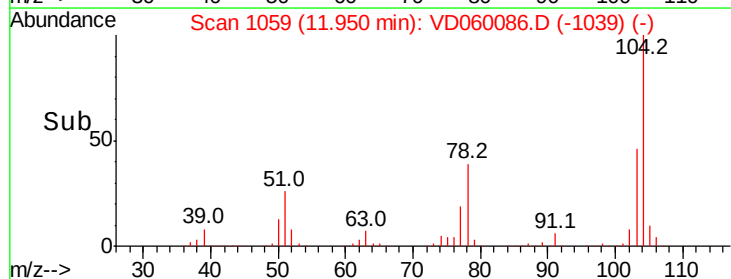
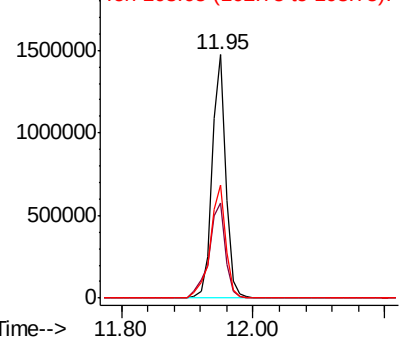


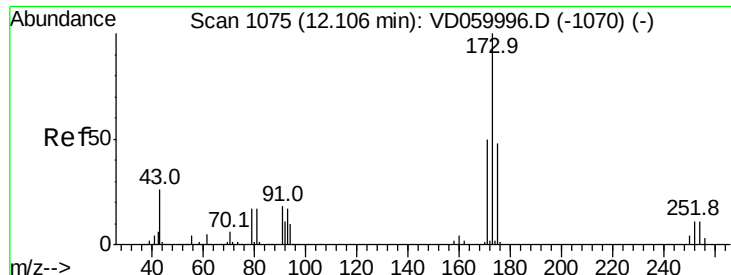
#70
Styrene
Concen: 52.520 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060086.D
Acq: 25 Sep 2018 11:32

Tgt Ion:104 Resp: 2135420
Ion Ratio Lower Upper
104 100
78 39.0 31.0 46.4
103 46.3 37.6 56.4



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





#71

Bromoform

Concen: 50.899 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

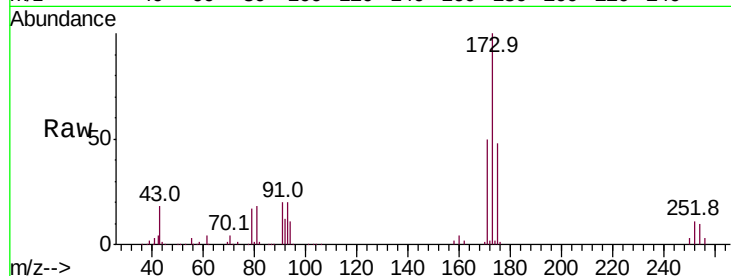
Tot Ion:173 Resp: 605644

Ion Ratio Lower Upper

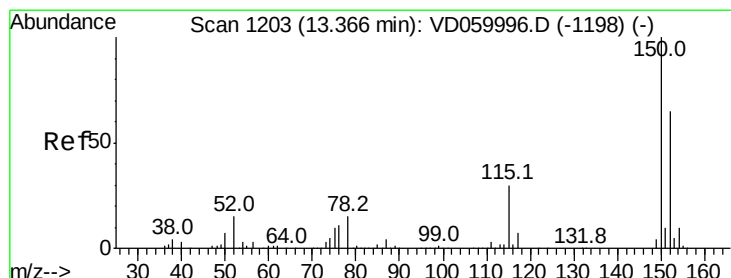
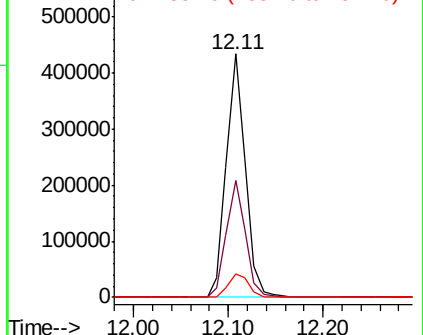
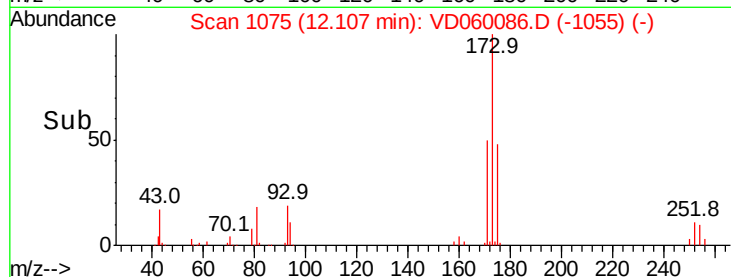
173 100

175 48.1 24.0 72.0

254 9.8 8.6 13.0



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: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

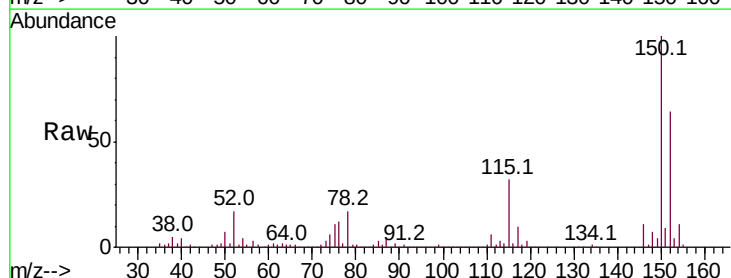
Tgt Ion:152 Resp: 995902

Ion Ratio Lower Upper

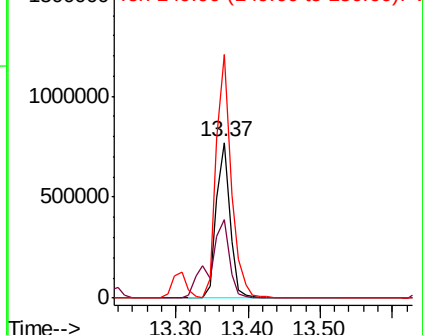
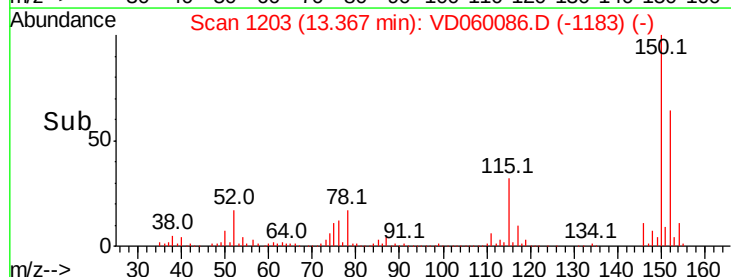
152 100

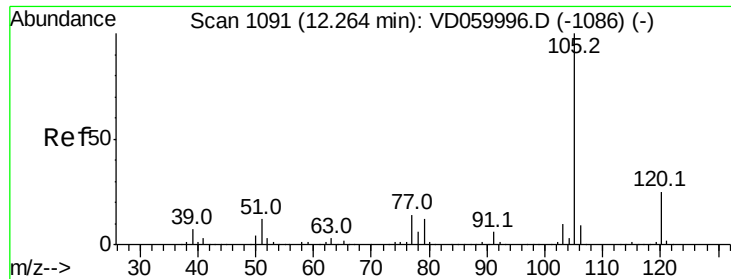
115 50.4 24.6 73.8

150 156.1 0.0 313.4



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: 53.118 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

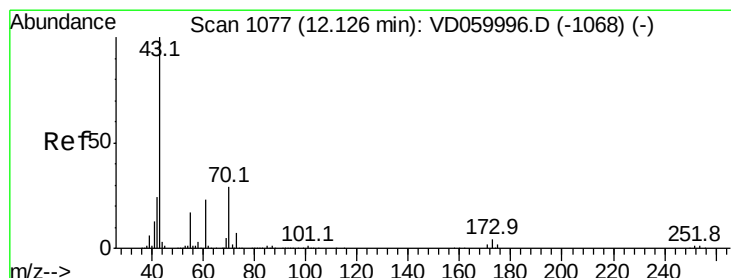
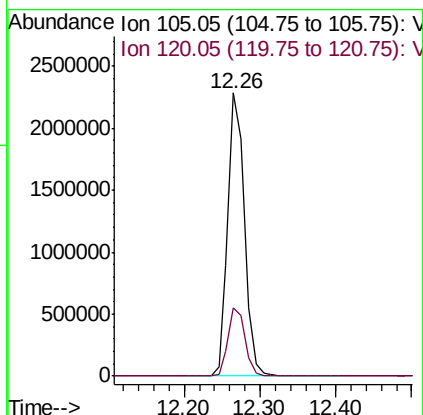
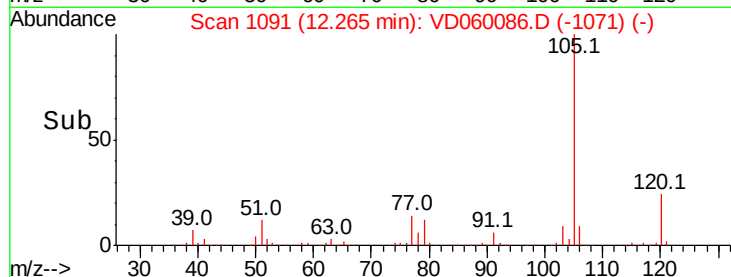
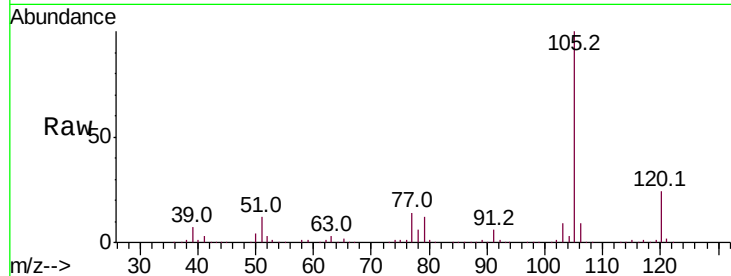
VSTDCCC050

Tot Ion:105 Resp: 3469456

Ion Ratio Lower Upper

105 100

120 24.0 12.3 36.9



#74

N-ethyl acetate

Concen: 48.949 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Tgt Ion: 43 Resp: 1266422

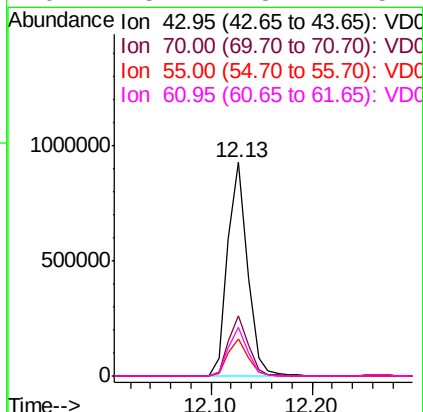
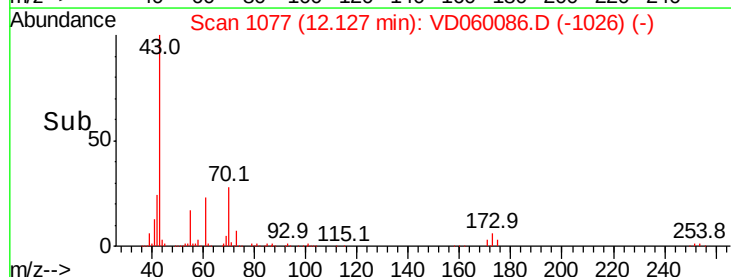
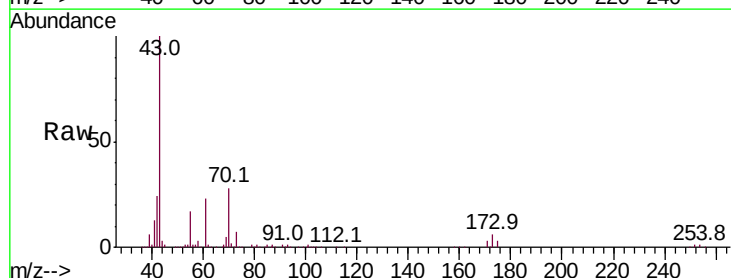
Ion Ratio Lower Upper

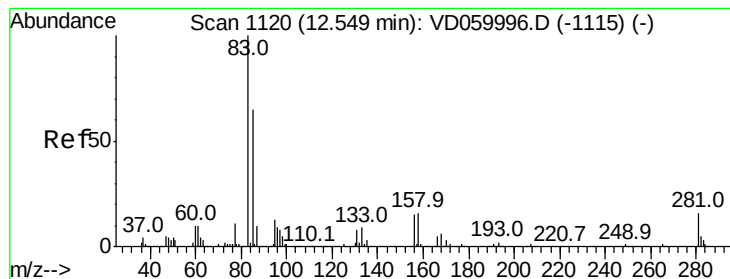
43 100

70 28.2 22.9 34.3

55 17.3 14.0 21.0

61 23.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.749 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

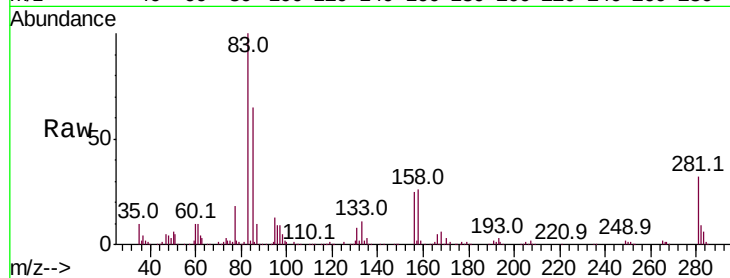
Tot Ion: 83 Resp: 737148

Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.1	12.3
85	65.3	32.4	97.2

83 100

131 8.4 4.1 12.3

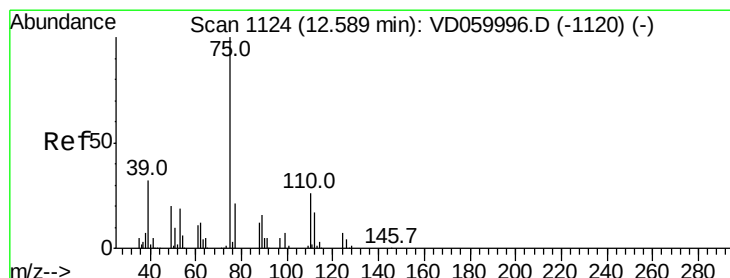
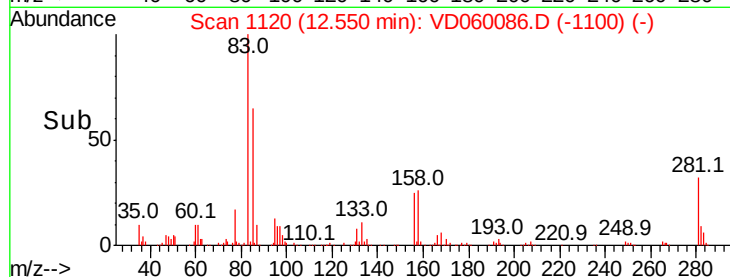
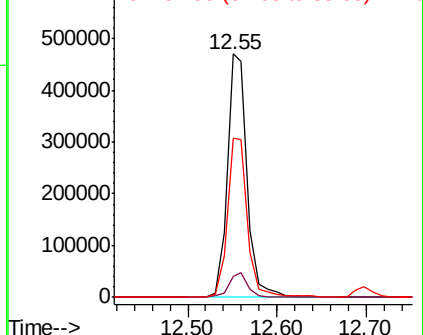
85 65.3 32.4 97.2



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: 49.435 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD060086.D

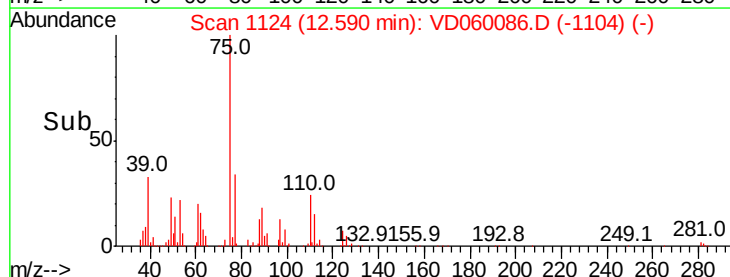
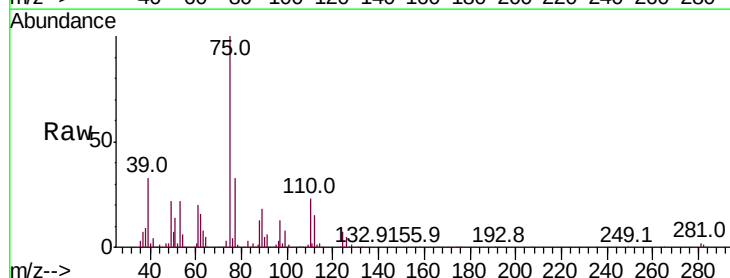
Acq: 25 Sep 2018 11:32

Tgt Ion: 75 Resp: 751915

Ion	Ratio	Lower	Upper
75	100		
77	33.5	16.4	49.4

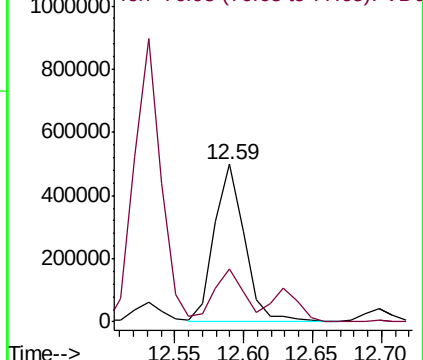
75 100

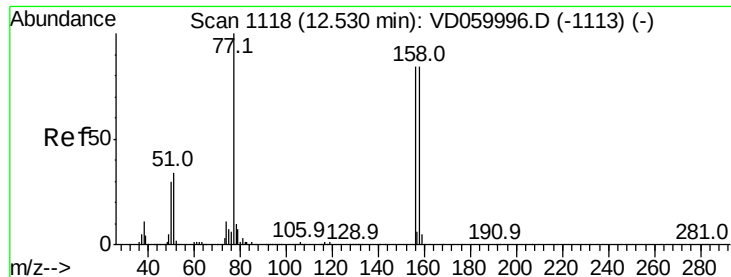
77 33.5 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 52.667 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

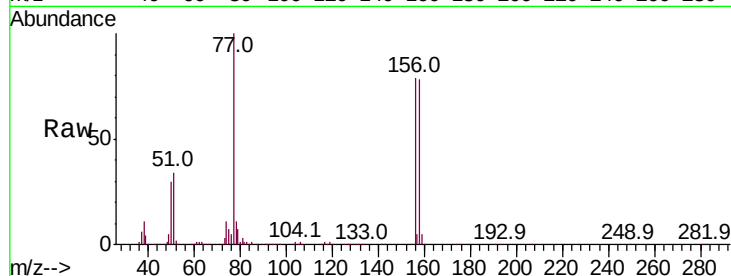
Tot Ion:156 Resp: 990914

Ion Ratio Lower Upper

156 100

77 125.8 59.5 178.4

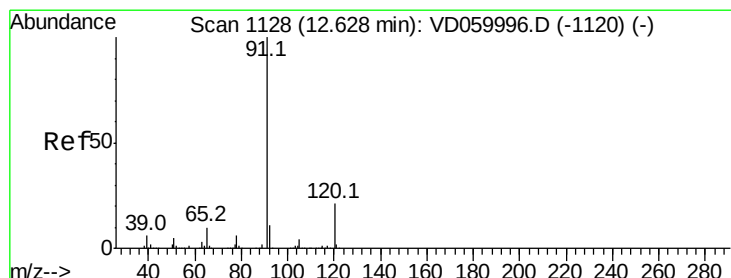
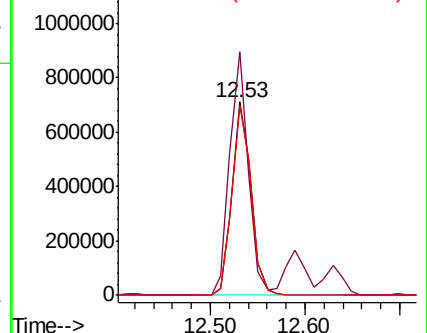
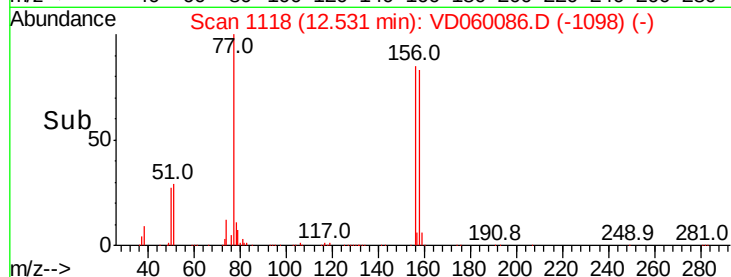
158 98.0 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.891 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD060086.D

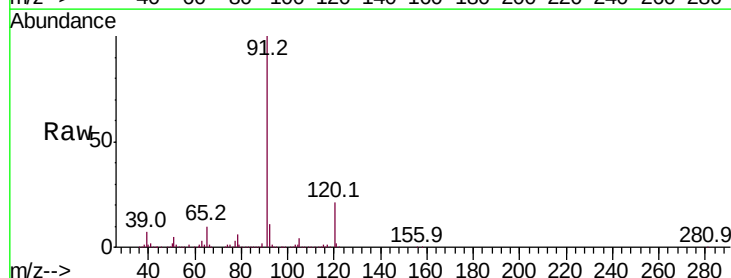
Acq: 25 Sep 2018 11:32

Tgt Ion: 91 Resp: 4344261

Ion Ratio Lower Upper

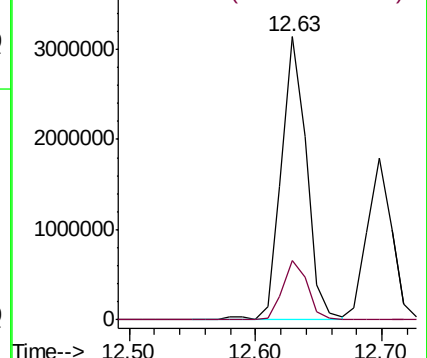
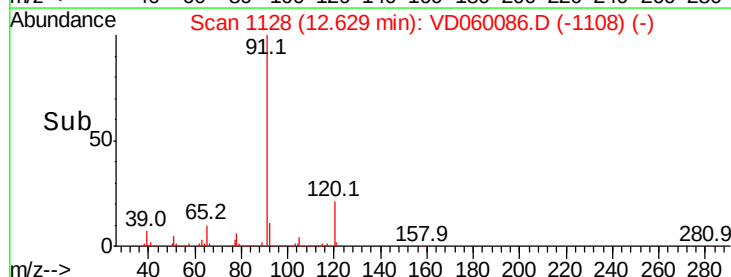
91 100

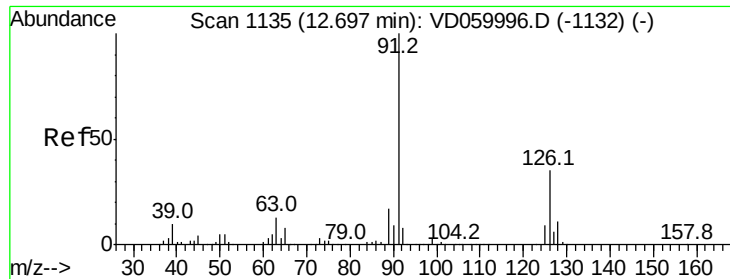
120 21.1 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

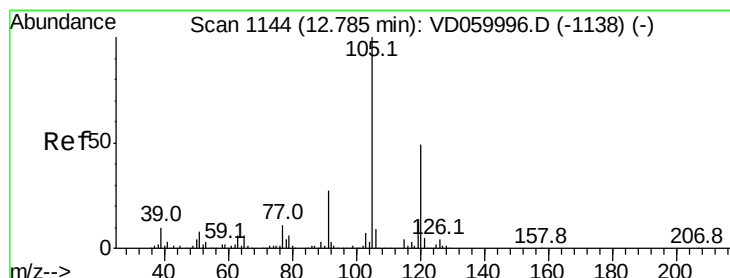
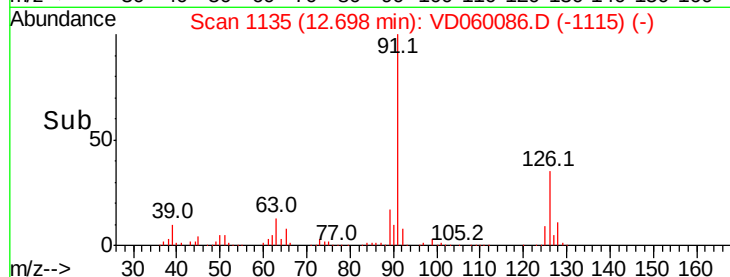
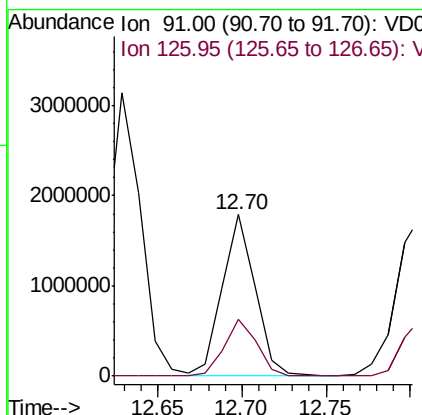
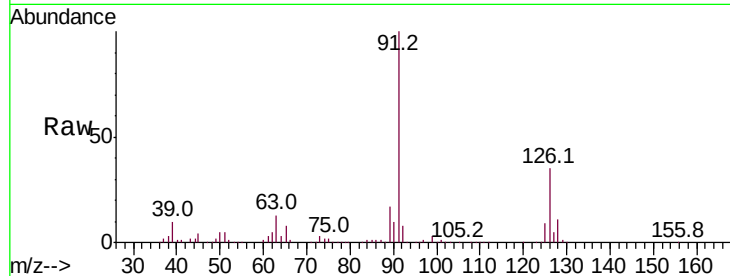




#79
 2-Chlorotoluene
 Concen: 51.949 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

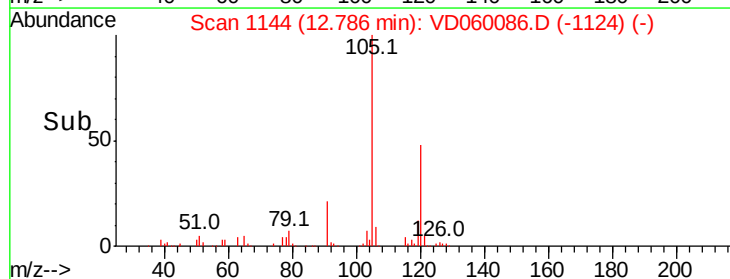
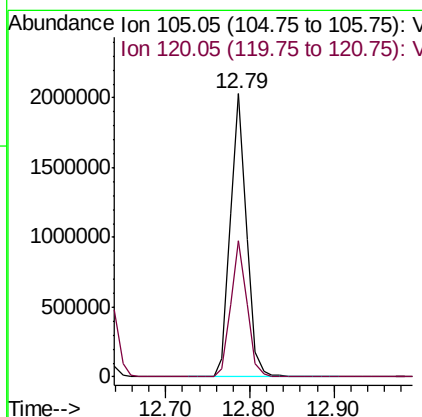
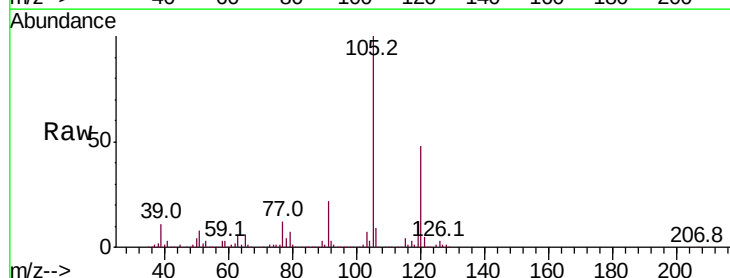
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

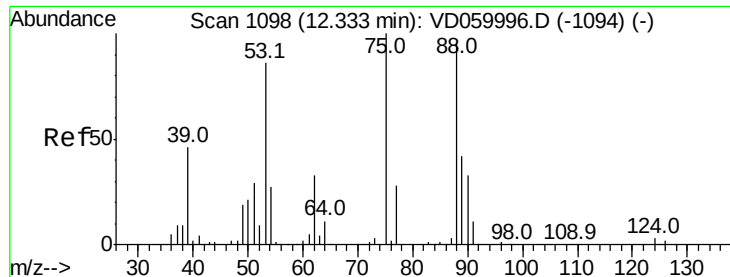
Tot Ion: 91 Resp: 2408332
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 53.885 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion:105 Resp: 2697613
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.066 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

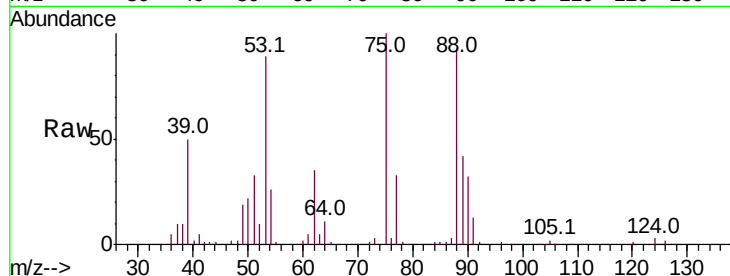
Tot Ion: 75 Resp: 229872

Ion Ratio Lower Upper

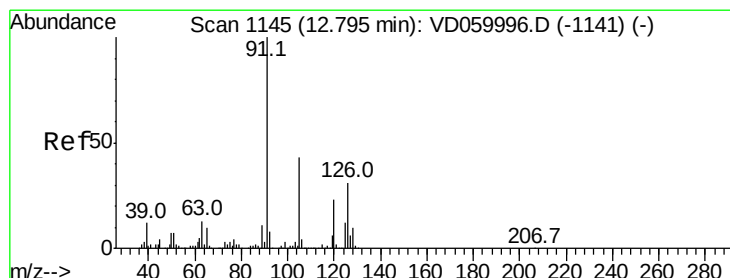
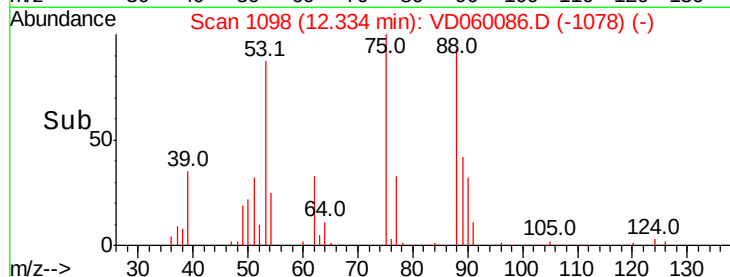
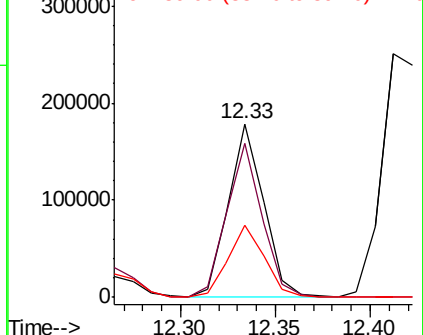
75 100

53 89.0 68.4 102.6

89 41.5 33.8 50.6



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



#82

4-Chlorotoluene

Concen: 52.649 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060086.D

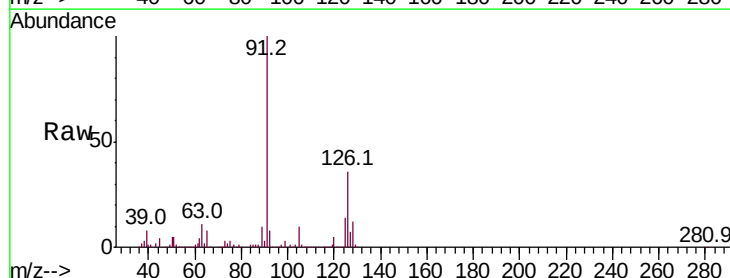
Acq: 25 Sep 2018 11:32

Tgt Ion: 91 Resp: 2683450

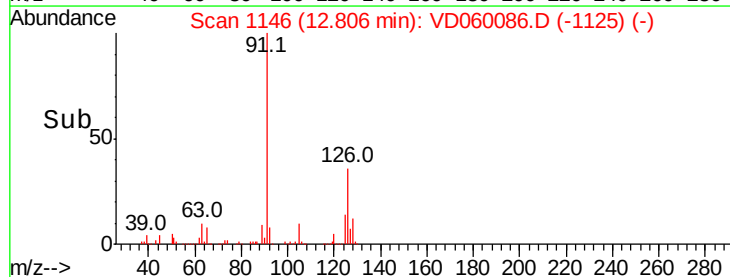
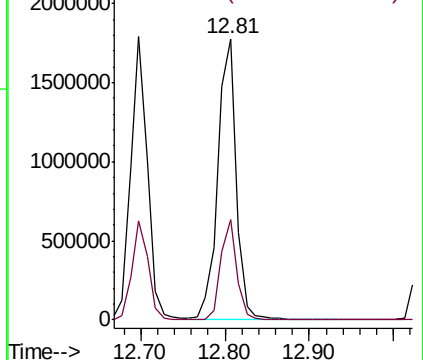
Ion Ratio Lower Upper

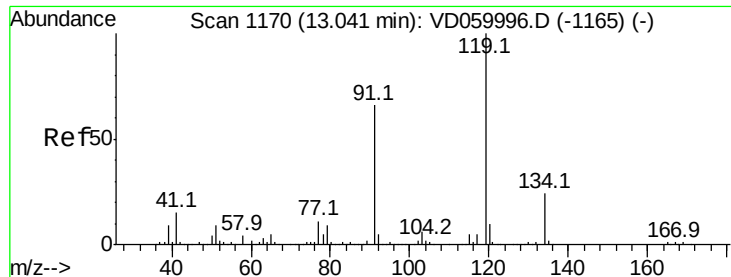
91 100

126 35.7 15.4 46.1



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

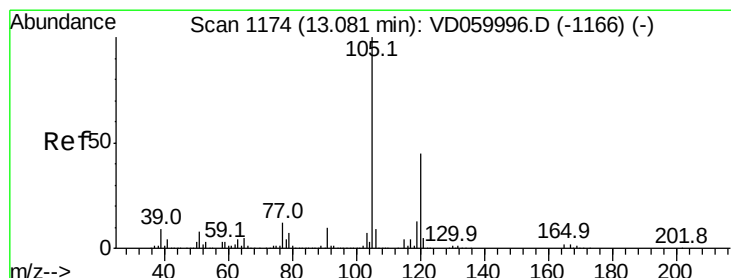
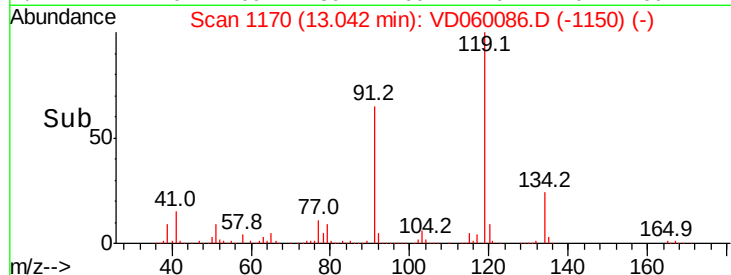
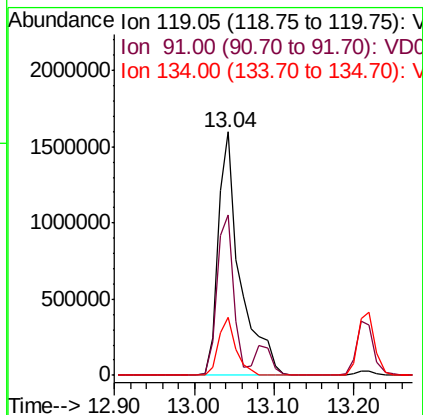
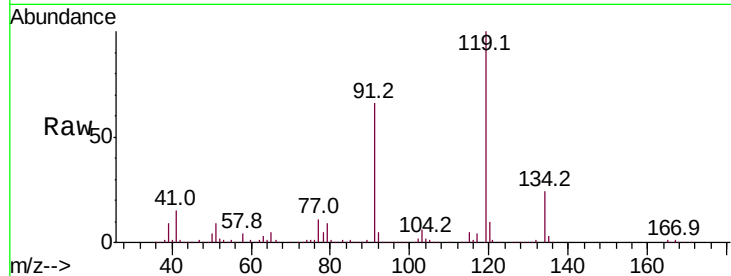




#83
 tert-Butylbenzene
 Concen: 53.108 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

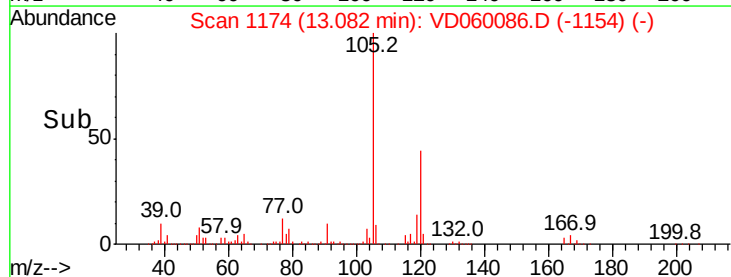
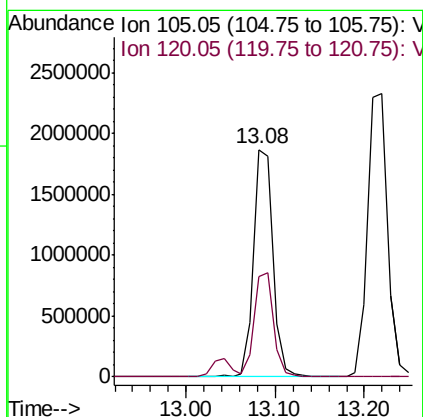
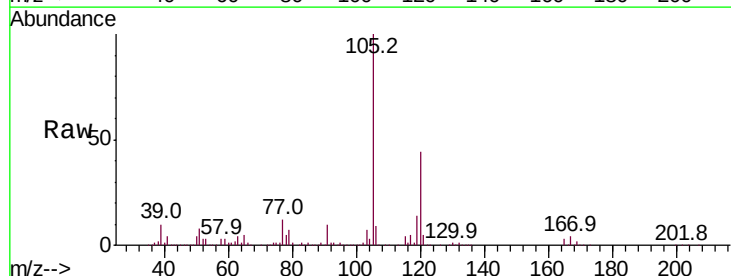
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

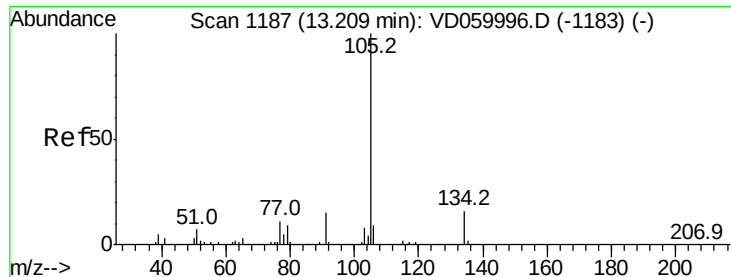
Tot Ion:119 Resp: 3080133
 Ion Ratio Lower Upper
 119 100
 91 66.0 32.9 98.6
 134 23.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.160 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion:105 Resp: 2786589
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.872 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

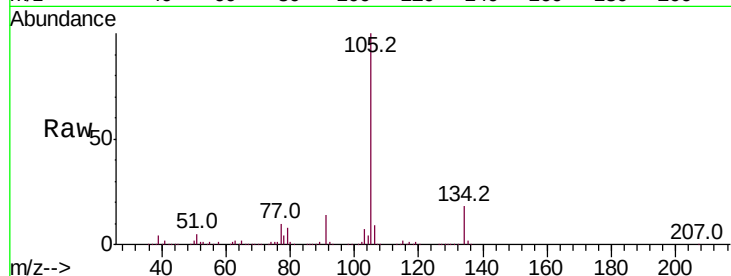
VSTDCCC050

Tot Ion:105 Resp: 3571166

Ion Ratio Lower Upper

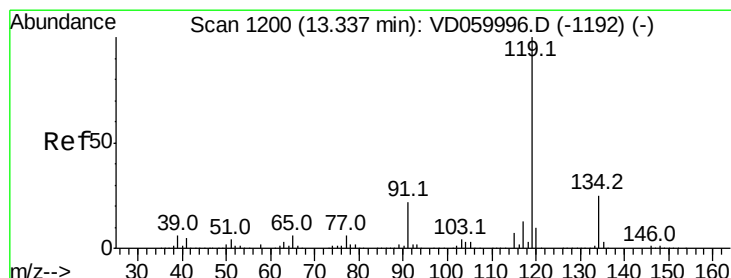
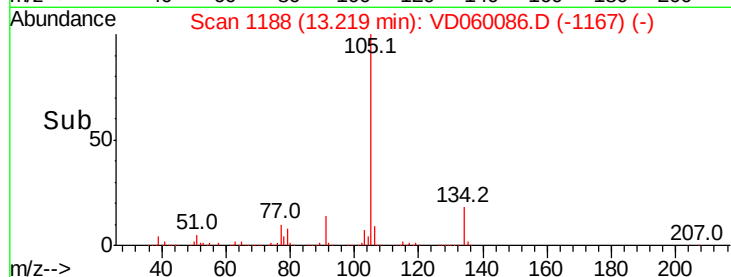
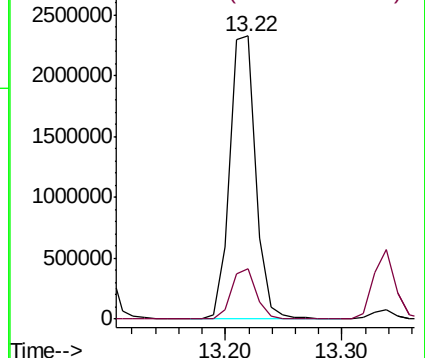
105 100

134 18.0 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 54.076 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

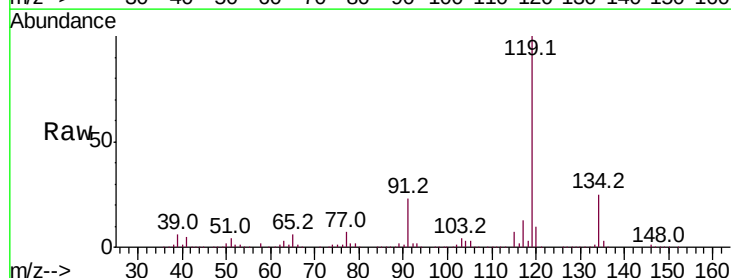
Tgt Ion:119 Resp: 3011092

Ion Ratio Lower Upper

119 100

134 25.0 12.8 38.3

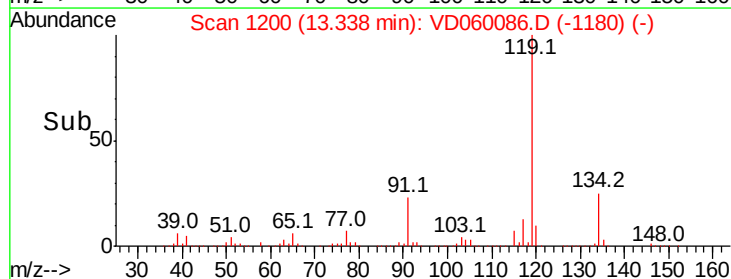
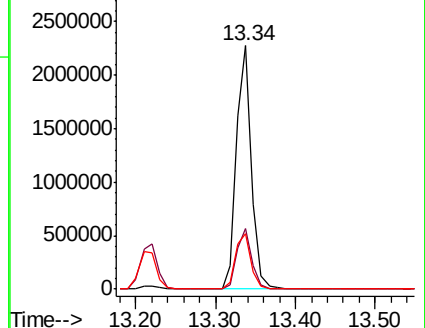
91 22.6 11.1 33.3

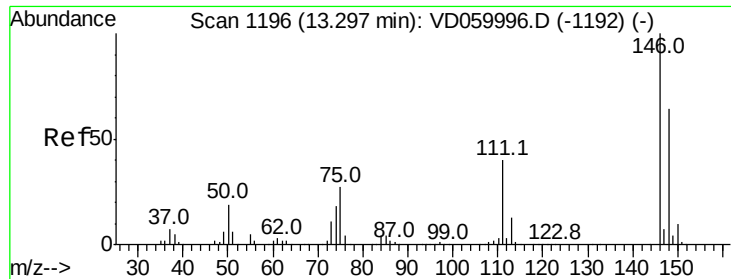


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

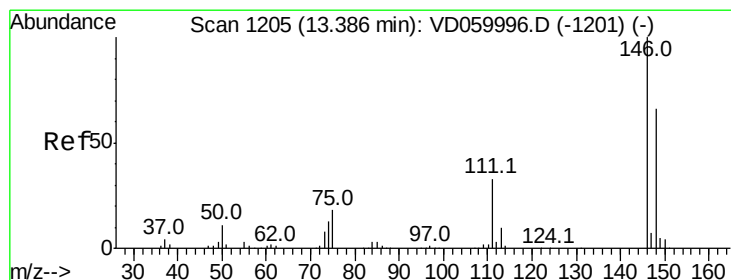
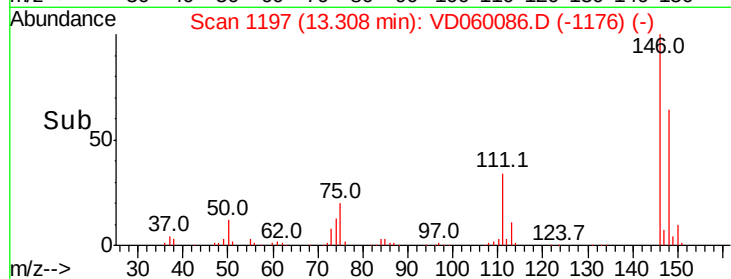
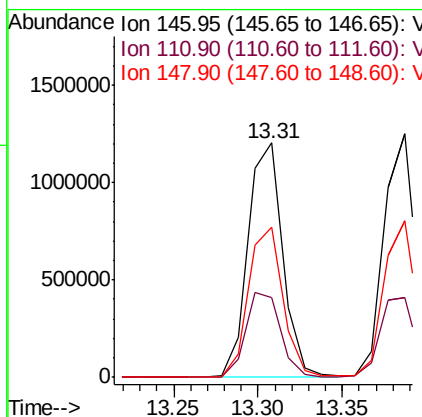
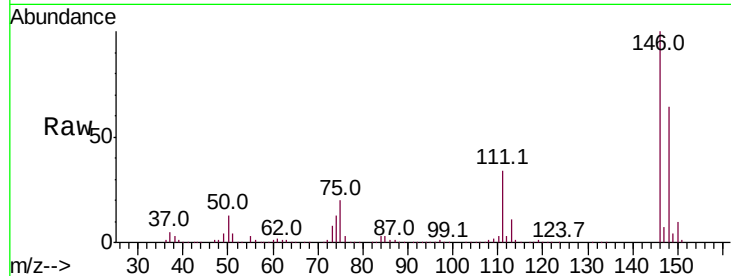




#87
 1,3-Dichlorobenzene
 Concen: 52.702 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

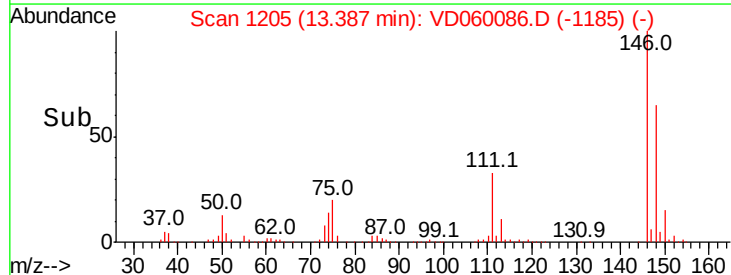
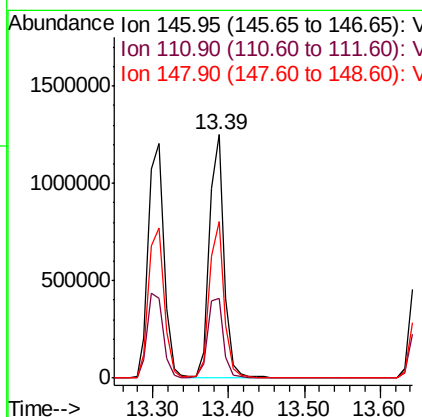
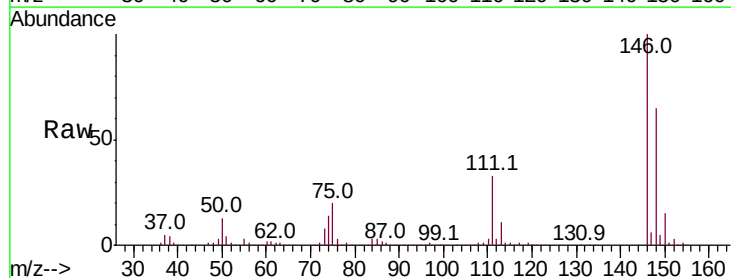
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

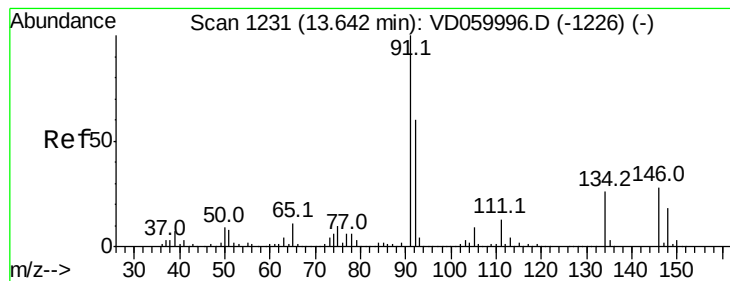
Tot Ion:146 Resp: 1724303
 Ion Ratio Lower Upper
 146 100
 111 34.3 20.2 60.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 51.555 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion:146 Resp: 1710887
 Ion Ratio Lower Upper
 146 100
 111 33.0 16.7 50.0
 148 64.5 32.9 98.6





#89

n-Butylbenzene

Concen: 56.449 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

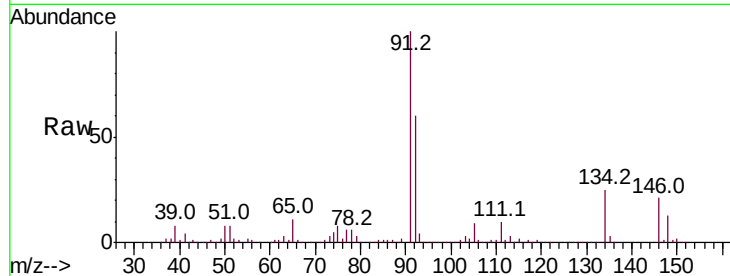
Tot Ion: 91 Resp: 2876132

Ion Ratio Lower Upper

91 100

92 60.0 29.8 89.3

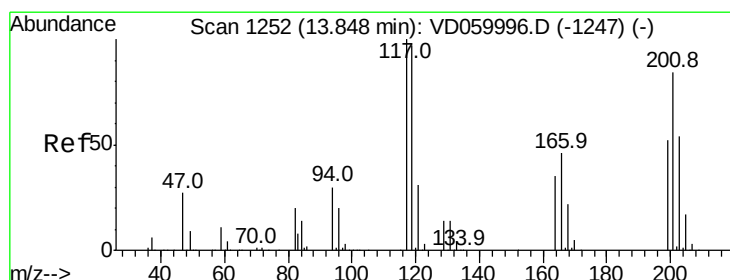
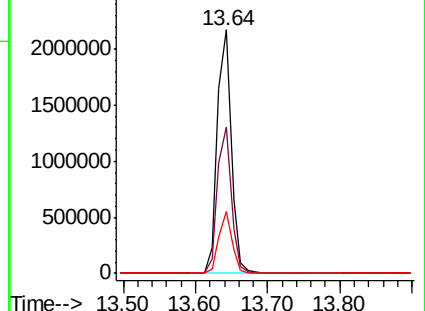
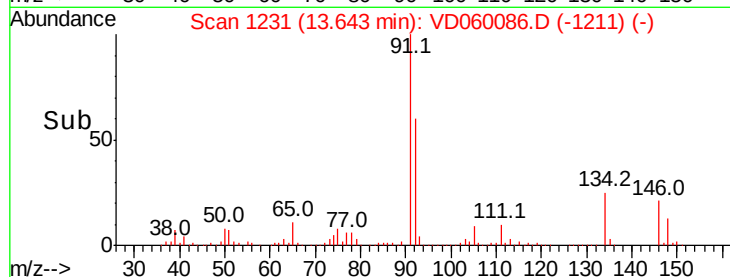
134 25.4 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 54.115 ug/l

RT: 13.85 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD060086.D

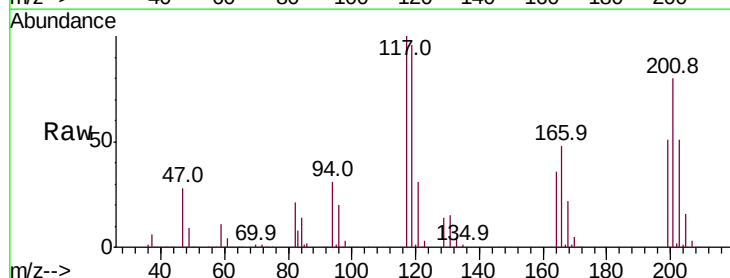
Acq: 25 Sep 2018 11:32

Tgt Ion:117 Resp: 746327

Ion Ratio Lower Upper

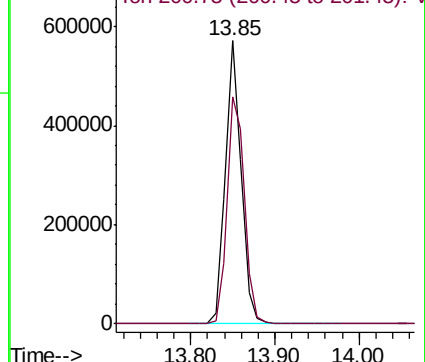
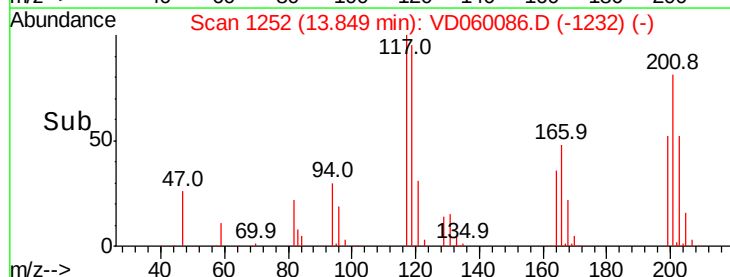
117 100

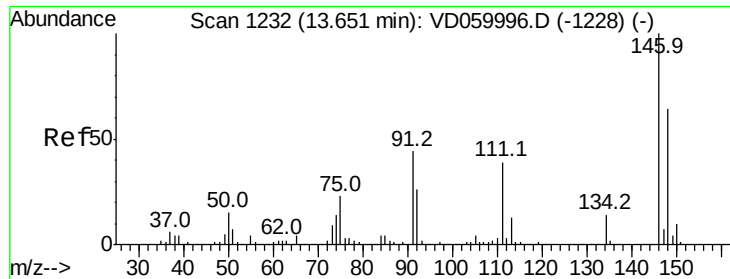
201 80.4 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

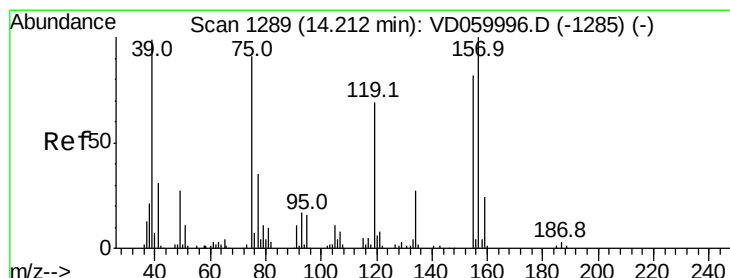
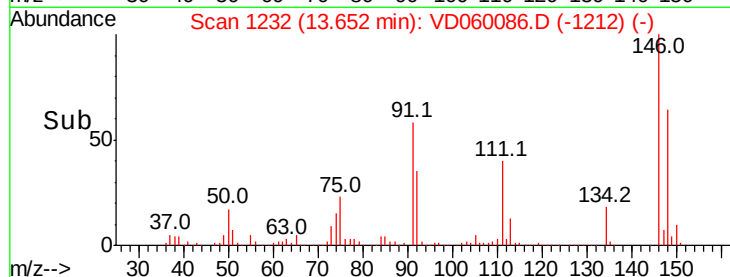
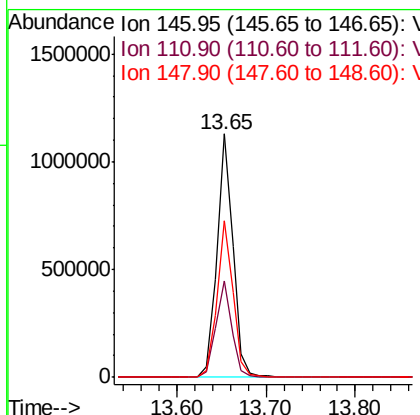
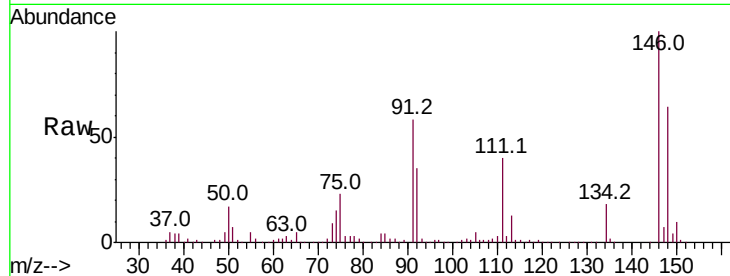




#91
 1,2-Dichlorobenzene
 Concen: 53.886 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

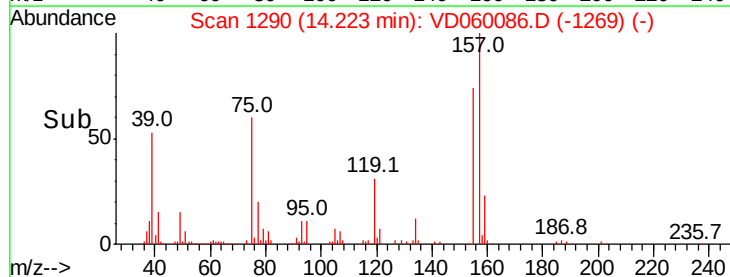
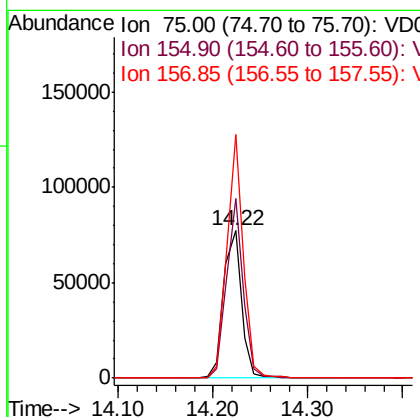
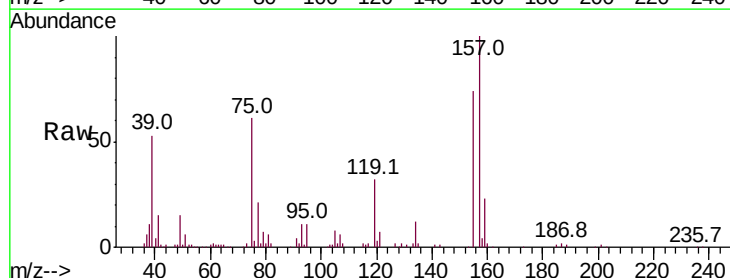
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

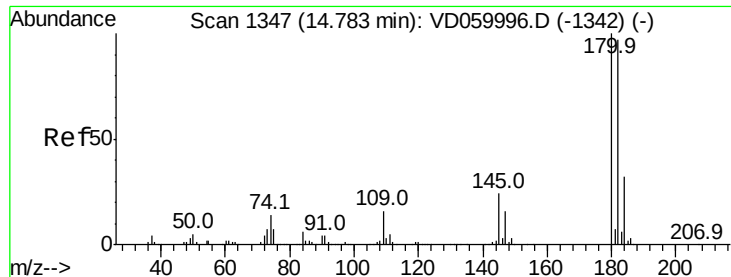
Tot Ion:146 Resp: 1406621
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.6 58.7
 148 64.3 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.396 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion: 75 Resp: 102544
 Ion Ratio Lower Upper
 75 100
 155 121.8 44.7 134.1
 157 165.1 54.7 164.1#

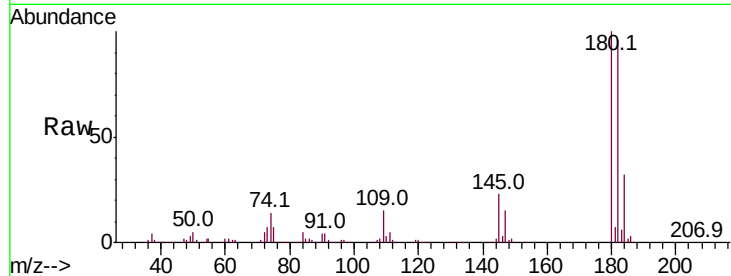




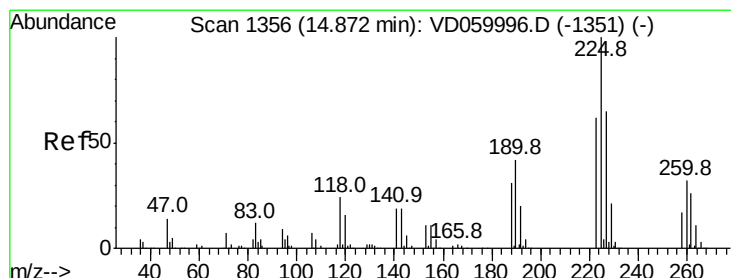
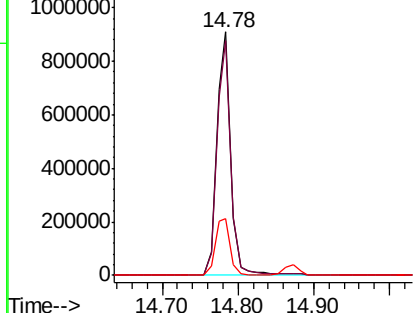
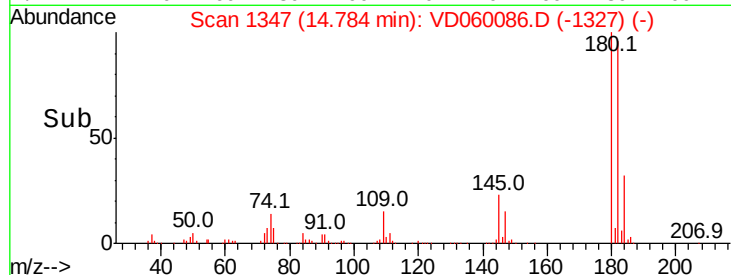
#93
 1,2,4-Trichlorobenzene
 Concen: 51.119 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 1191869
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.5 145.6
 145 23.1 11.9 35.7

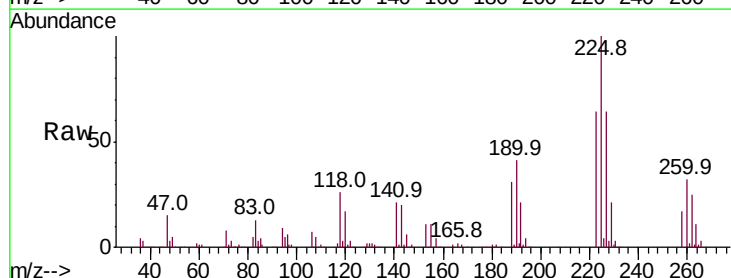


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

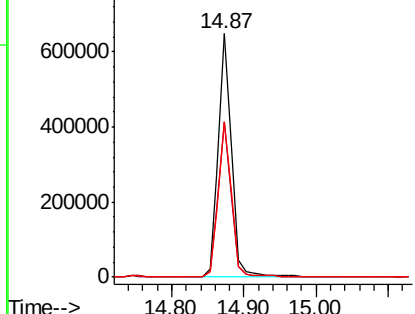
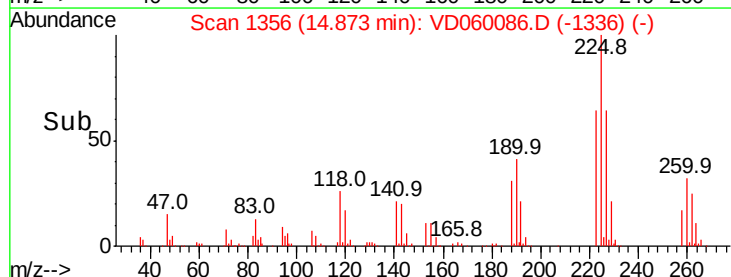


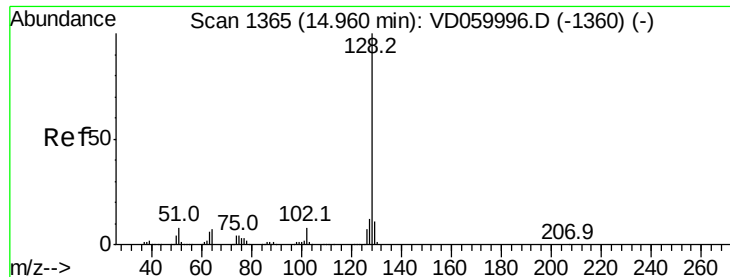
#94
 Hexachlorobutadiene
 Concen: 52.845 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060086.D
 Acq: 25 Sep 2018 11:32

Tgt Ion:225 Resp: 815039
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.2 93.6
 227 64.0 32.3 96.8



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: 49.502 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

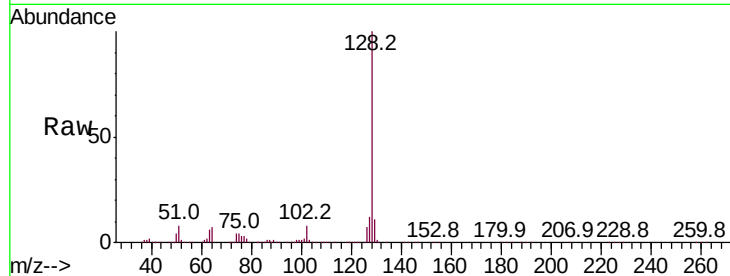
Tot Ion:128 Resp: 1782471

Ion Ratio Lower Upper

128 100

127 12.3 9.7 14.5

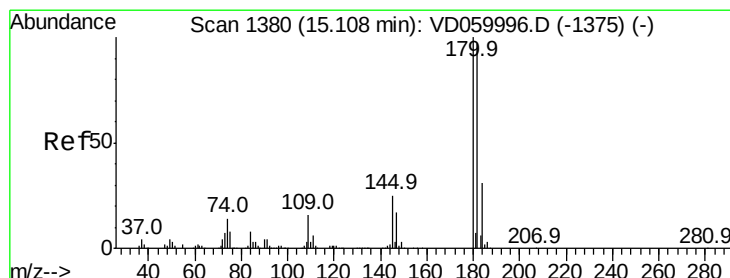
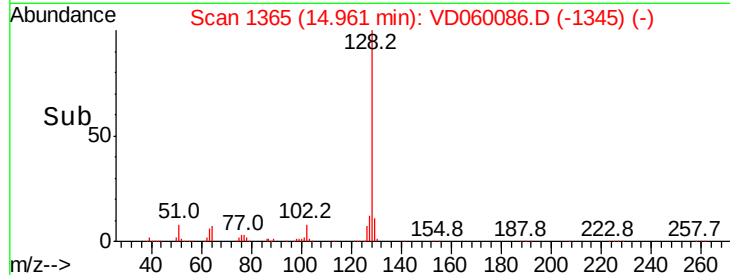
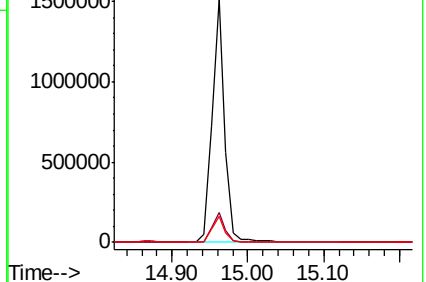
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.198 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VD060086.D

Acq: 25 Sep 2018 11:32

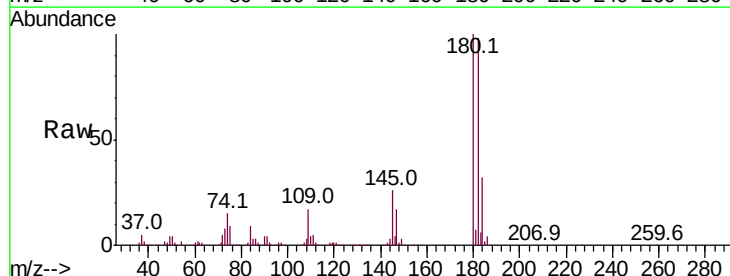
Tgt Ion:180 Resp: 1031408

Ion Ratio Lower Upper

180 100

182 98.3 48.6 145.9

145 25.9 12.7 38.1



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

