

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060001.D
 Acq On : 14 Sep 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 14 11:27:53 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	1649607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2257832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1850411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	984421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	681099	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	6.31	113	942333	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
50) Toluene-d8	9.45	98	2636464	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.42	95	1007623	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	830614	47.70	ug/l	99
3) Chloromethane	1.74	50	729784	47.45	ug/l	98
4) Vinyl Chloride	1.84	62	618883	50.05	ug/l	99
5) Bromomethane	2.13	94	106058	72.46	ug/l	91
6) Chloroethane	2.24	64	186620	67.51	ug/l	94
7) Trichlorofluoromethane	2.49	101	736091	54.07	ug/l	100
8) Diethyl Ether	2.80	74	154482	53.38	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	454546	52.95	ug/l	97
10) Methyl Iodide	3.23	142	472262	51.94	ug/l	98
11) Tert butyl alcohol	3.95	59	230538	222.10	ug/l	99
12) 1,1-Dichloroethene	3.05	96	364001	53.63	ug/l	100
13) Acrolein	2.96	56	158169	246.06	ug/l	95
14) Allyl chloride	3.51	41	748998	52.33	ug/l	99
15) Acrylonitrile	4.06	53	949619	242.36	ug/l	99
16) Acetone	3.14	43	705764	284.16	ug/l	100
17) Carbon Disulfide	3.30	76	1233682	52.75	ug/l	100
18) Methyl Acetate	3.53	43	237010	46.92	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	1537433	49.02	ug/l	98
20) Methylene Chloride	3.70	84	874462	49.39	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	881501	49.49	ug/l	96
22) Diisopropyl ether	4.83	45	3270147	50.08	ug/l	96
23) Vinyl Acetate	4.78	43	9306926	251.60	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1459037	49.79	ug/l	100
25) 2-Butanone	5.60	43	1580160	235.77	ug/l	100
26) 2,2-Dichloropropane	5.57	77	1140492	50.06	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	918246	49.29	ug/l	99
28) Bromochloromethane	5.90	49	704434	50.01	ug/l	95
29) Tetrahydrofuran	5.93	42	833668	231.94	ug/l	100
30) Chloroform	6.08	83	1494574	50.30	ug/l	99
31) Cyclohexane	6.35	56	1363533	47.73	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	1250327	50.73	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1092589	48.72	ug/l	99
37) Ethyl Acetate	5.68	43	736664	47.76	ug/l	99
38) Carbon Tetrachloride	6.47	117	1054699	50.38	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1286496	50.71	ug/l	99
40) Benzene	6.78	78	2874600	50.29	ug/l	99
41) Methacrylonitrile	5.93	41	844669	104.56	ug/l #	80
42) 1,2-Dichloroethane	6.88	62	845259	49.25	ug/l	99
43) Isopropyl Acetate	8.33	43	987899	47.84	ug/l #	99
44) Trichloroethene	7.72	130	877906	49.71	ug/l	100
45) 1,2-Dichloropropane	8.09	63	773601	50.61	ug/l	100
46) Dibromomethane	8.20	93	491127	49.24	ug/l	99
47) Bromodichloromethane	8.47	83	1096381	50.99	ug/l	100
48) Methyl methacrylate	8.23	41	569232	49.49	ug/l	99
49) 1,4-Dioxane	8.22	88	107299	939.31	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	3060075	221.48	ug/l	98
52) Toluene	9.54	92	1843752	50.32	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	1001001	49.91	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1204760	50.28	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	585600	46.03	ug/l	96
56) Ethyl methacrylate	10.02	69	691179	48.98	ug/l	98
57) 1,3-Dichloropropane	10.37	76	924466	49.23	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.92	63	1667853	244.77	ug/l	98
59) 2-Hexanone	10.48	43	2379490	244.20	ug/l	99
60) Dibromochloromethane	10.63	129	759503	49.05	ug/l	100
61) 1,2-Dibromoethane	10.75	107	648563	49.38	ug/l	98
64) Tetrachloroethene	10.24	164	820785	50.27	ug/l	98
65) Chlorobenzene	11.31	112	1997632	50.21	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	684777	51.03	ug/l	98
67) Ethyl Benzene	11.41	91	3265352	51.00	ug/l	99
68) m/p-Xylenes	11.56	106	2442644	103.31	ug/l	99
69) o-Xylene	11.93	106	1195307	51.02	ug/l	98
70) Styrene	11.95	104	1990029	50.52	ug/l	98
71) Bromoform	12.10	173	585704	50.81	ug/l	98
73) Isopropylbenzene	12.27	105	3223364	49.93	ug/l	98
74) N-amyl acetate	12.12	43	1259393	49.25	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	720576	49.20	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	729657	48.53	ug/l	100
77) Bromobenzene	12.54	156	947217	50.93	ug/l	91
78) n-propylbenzene	12.64	91	4121663	50.77	ug/l	98
79) 2-Chlorotoluene	12.69	91	2306972	50.34	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	2578529	52.11	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	219354	48.33	ug/l	97
82) 4-Chlorotoluene	12.80	91	2542333	50.46	ug/l	96
83) tert-Butylbenzene	13.04	119	2857277	49.84	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	2618891	49.59	ug/l	99
85) sec-Butylbenzene	13.22	105	3450563	50.70	ug/l	98
86) p-Isopropyltoluene	13.33	119	2734943	49.69	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	1601027	49.50	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	1545519	47.11	ug/l	97
89) n-Butylbenzene	13.64	91	2714894	53.26	ug/l	98
90) Hexachloroethane	13.86	117	717816	52.65	ug/l	82
91) 1,2-Dichlorobenzene	13.66	146	1332998	51.13	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	98827	44.26	ug/l	78

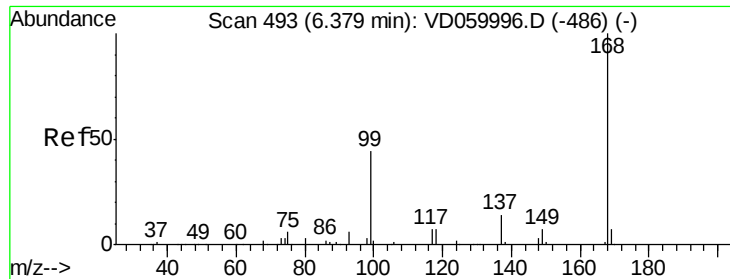
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091418\
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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1152458	50.01	ug/l	98
94) Hexachlorobutadiene	14.87	225	756723	49.64	ug/l	98
95) Naphthalene	14.96	128	1722294	48.39	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	977067	48.11	ug/l	98

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

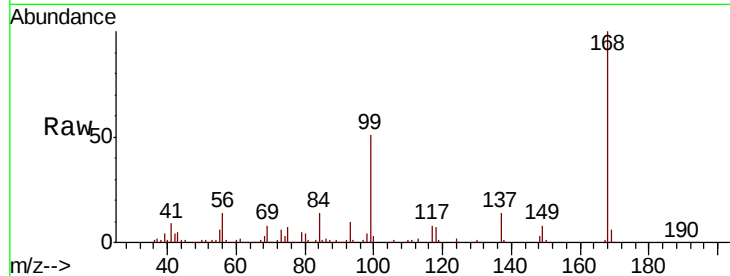


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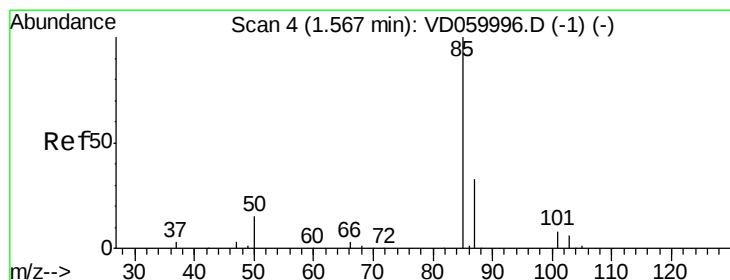
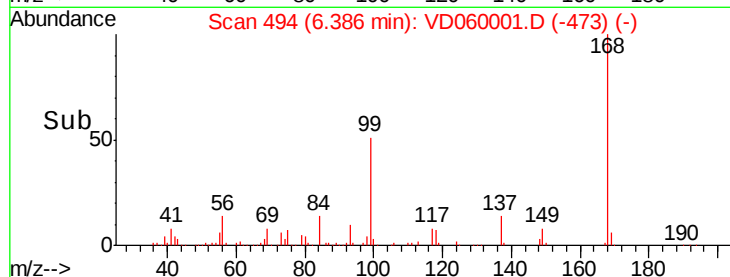
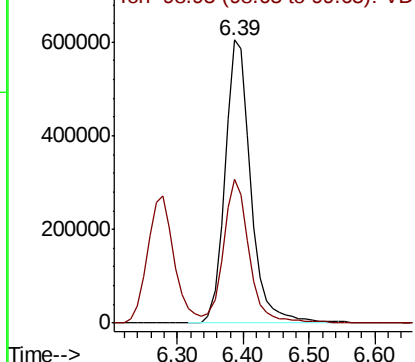
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:168 Resp: 1649607
 Ion Ratio Lower Upper
 168 100
 99 50.7 38.5 57.7



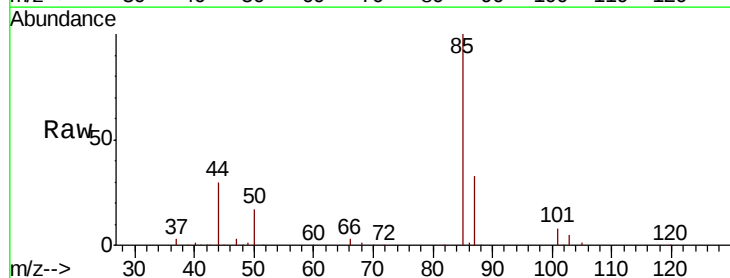
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



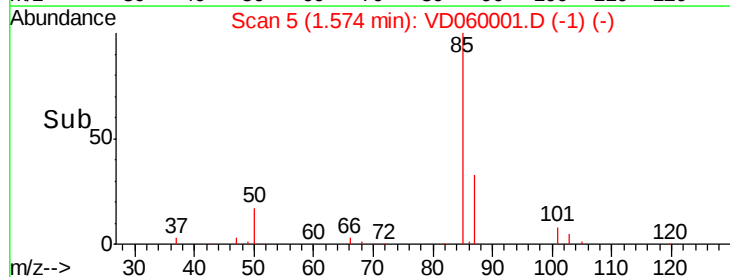
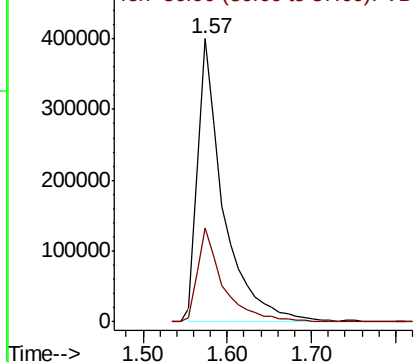
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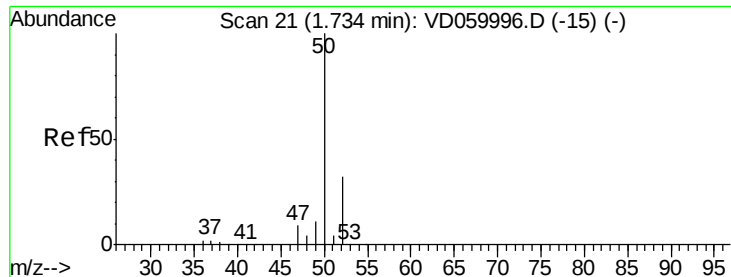
Dichlorodifluoromethane
 Concen: 47.70 ug/l
 RT: 1.57 min Scan# 5
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 85 Resp: 830614
 Ion Ratio Lower Upper
 85 100
 87 33.3 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.45 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

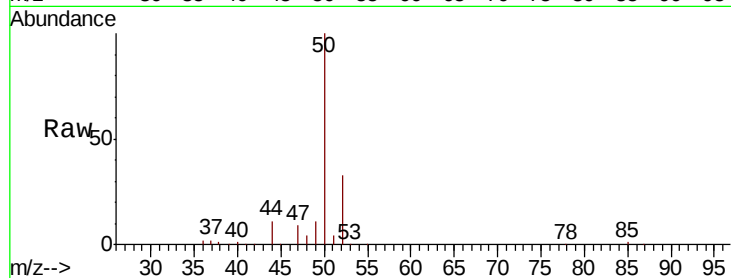
VSTDCCC050

Tot Ion: 50 Resp: 729784

Ion Ratio Lower Upper

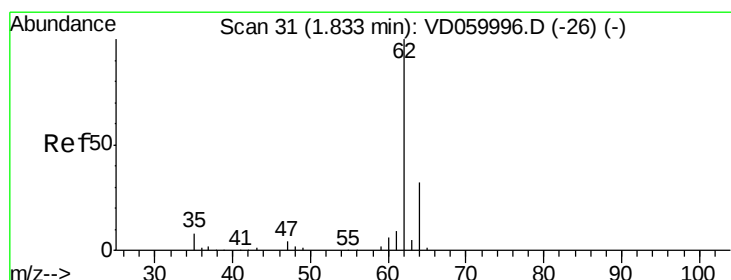
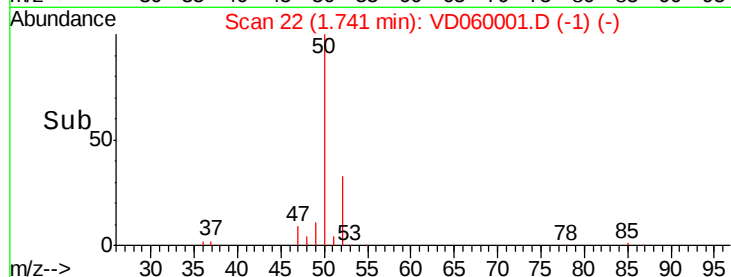
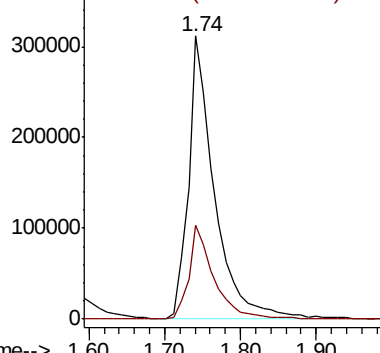
50 100

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



#4

Vinyl Chloride

Concen: 50.05 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060001.D

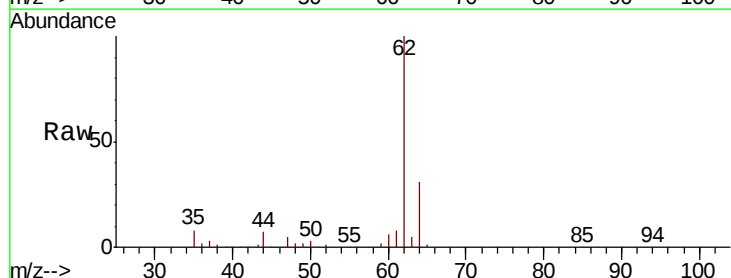
Acq: 14 Sep 2018 10:30

Tgt Ion: 62 Resp: 618883

Ion Ratio Lower Upper

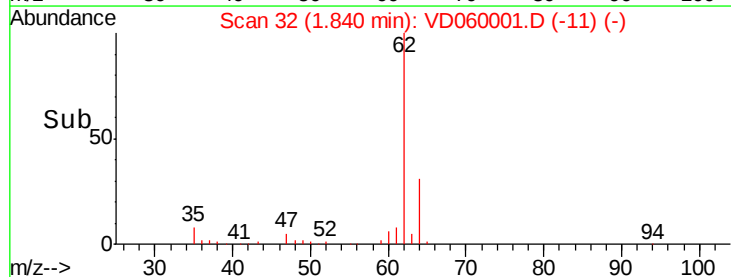
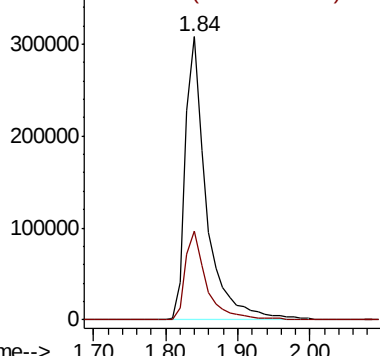
62 100

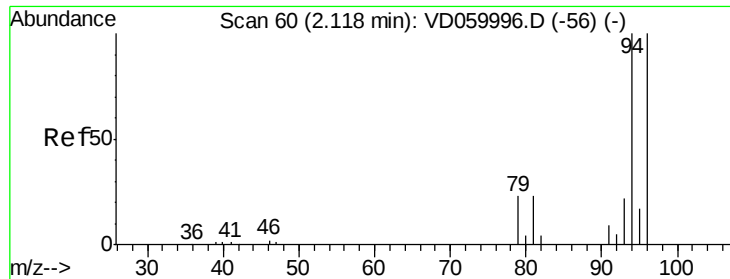
64 31.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

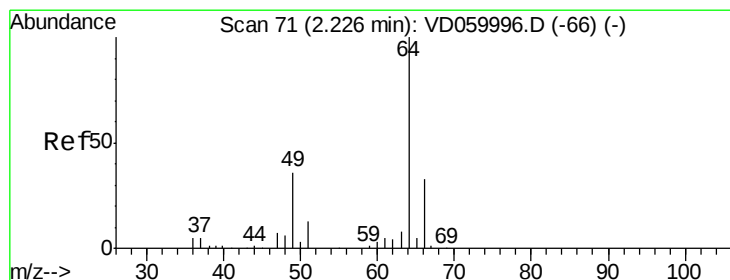
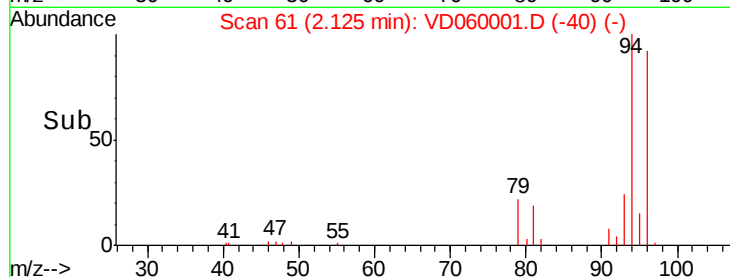
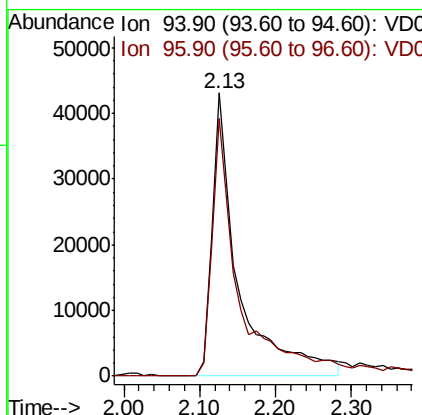
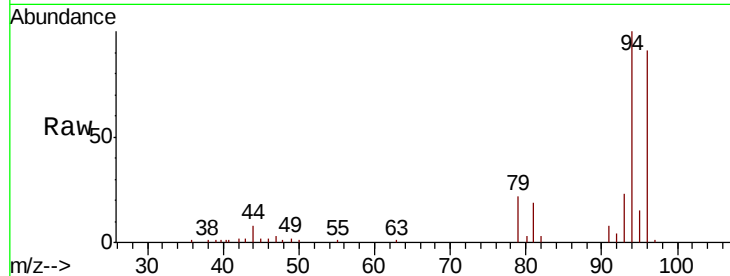




#5
Bromomethane
Concen: 72.46 ug/l
RT: 2.13 min Scan# 61
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

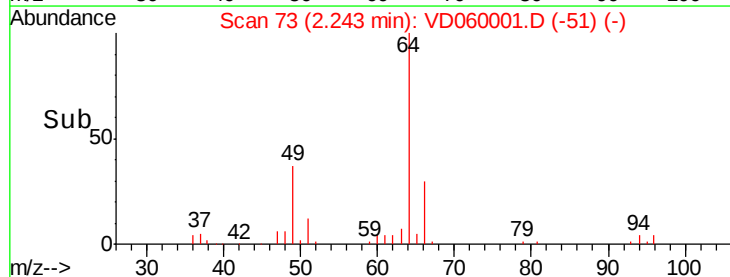
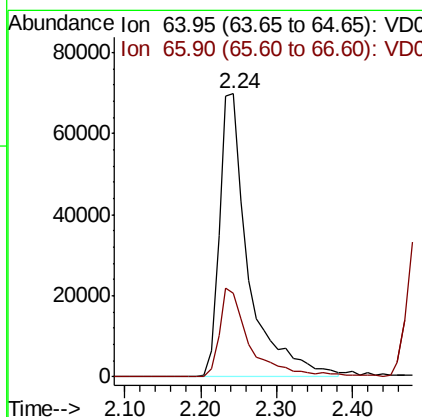
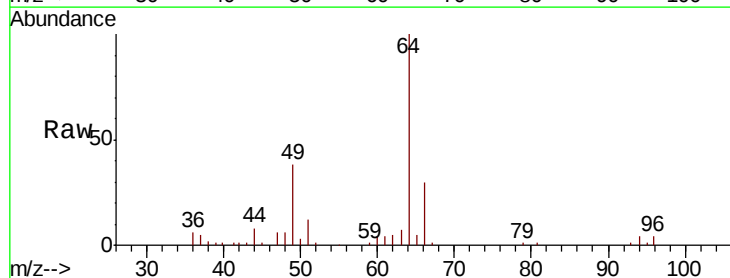
Instrument :
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ClientSampleId :
VSTDCCC050

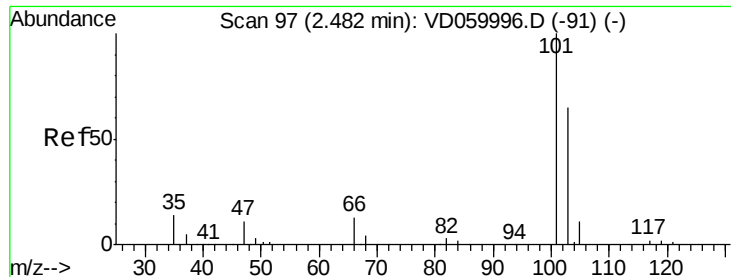
Tot Ion: 94 Resp: 106058
Ion Ratio Lower Upper
94 100
96 91.0 79.8 119.8



#6
Chloroethane
Concen: 67.51 ug/l
RT: 2.24 min Scan# 73
Delta R.T. 0.02 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 64 Resp: 186620
Ion Ratio Lower Upper
64 100
66 29.7 26.5 39.7





#7

Trichlorofluoromethane

Concen: 54.07 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

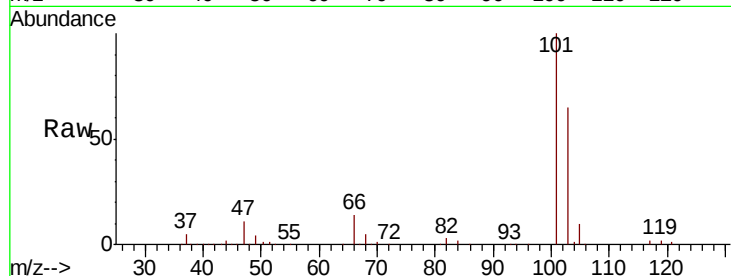
VSTDCCC050

Tot Ion:101 Resp: 736091

Ion Ratio Lower Upper

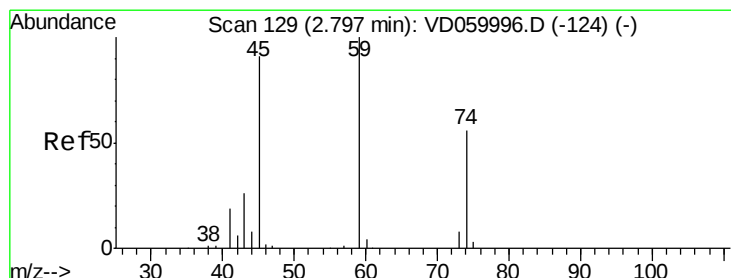
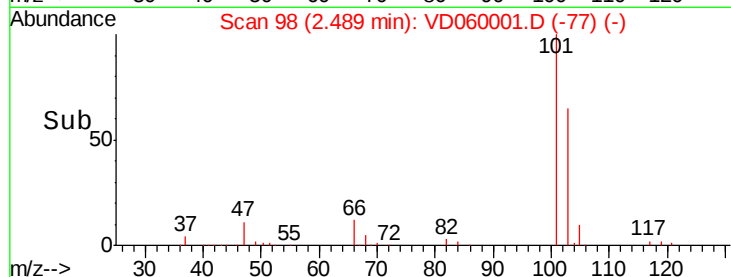
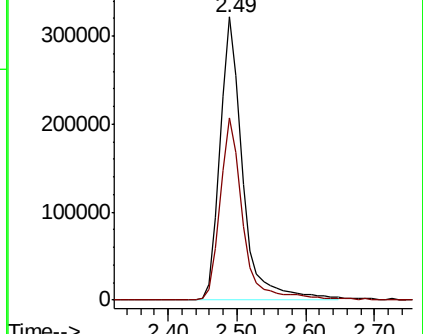
101 100

103 64.5 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: 53.38 ug/l

RT: 2.80 min Scan# 130

Delta R.T. 0.01 min

Lab File: VD060001.D

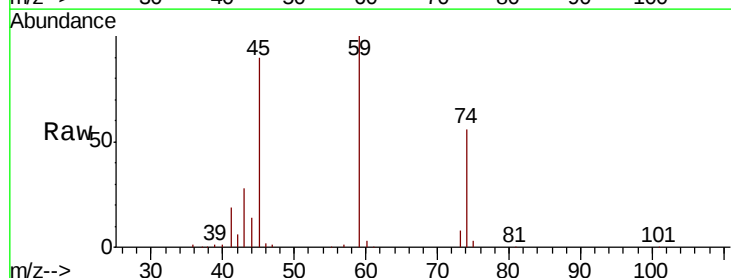
Acq: 14 Sep 2018 10:30

Tgt Ion: 74 Resp: 154482

Ion Ratio Lower Upper

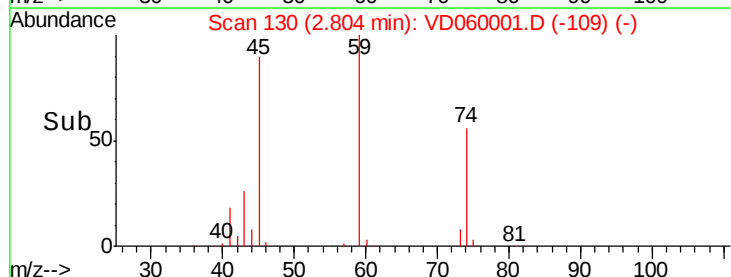
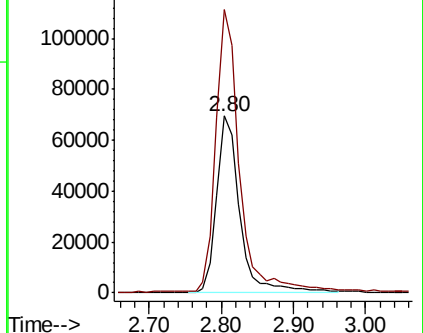
74 100

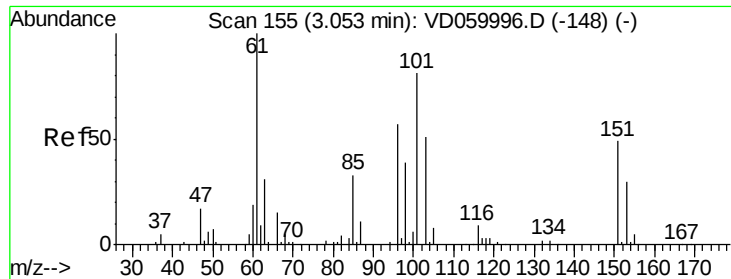
45 160.1 81.2 243.4



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: 52.95 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

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ClientSampleId :

VSTDCCC050

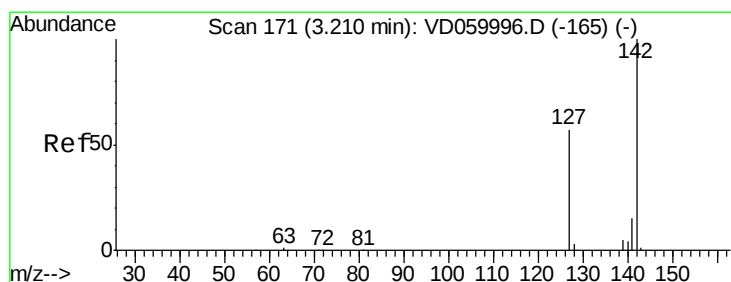
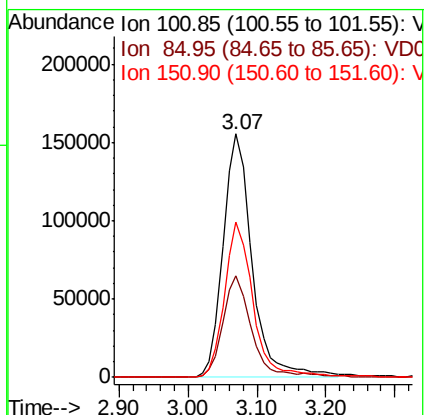
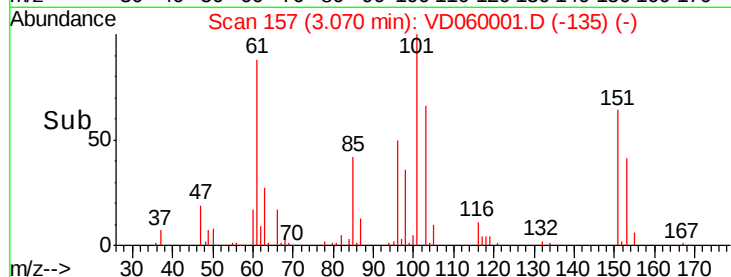
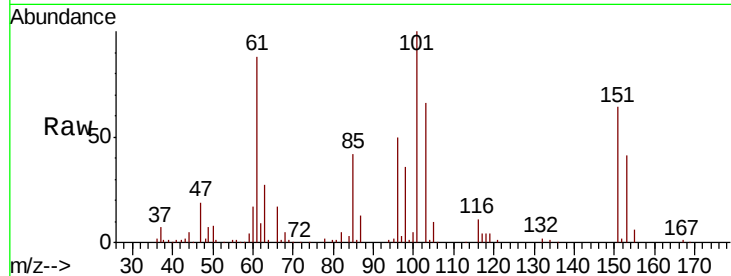
Tot Ion:101 Resp: 454546

Ion Ratio Lower Upper

101 100

85 41.6 33.1 49.7

151 63.9 48.2 72.4



#10

Methyl Iodide

Concen: 51.94 ug/l

RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

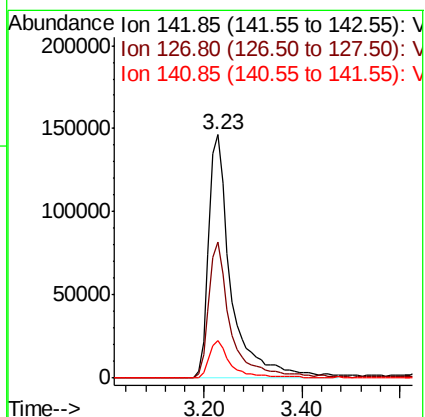
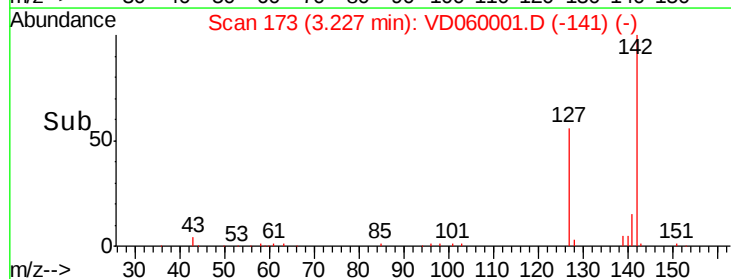
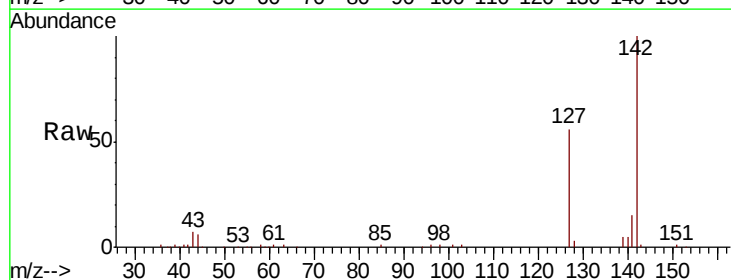
Tgt Ion:142 Resp: 472262

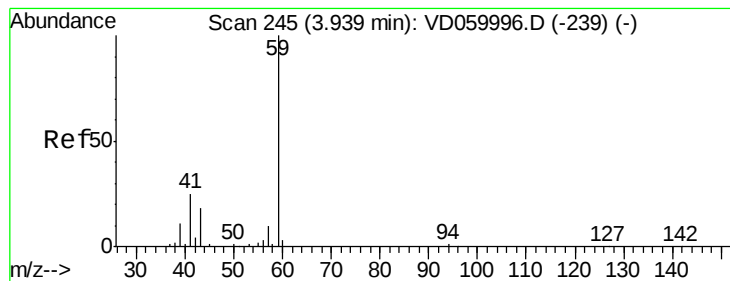
Ion Ratio Lower Upper

142 100

127 55.9 45.8 68.8

141 15.3 12.2 18.4



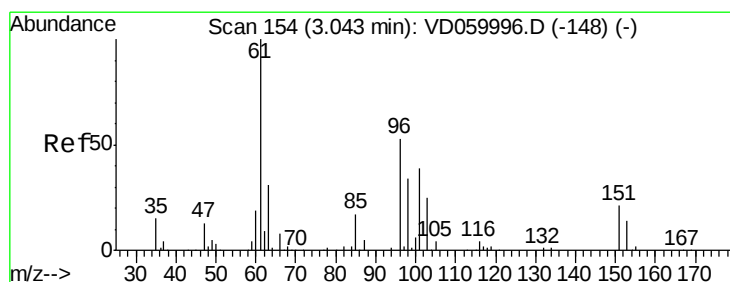
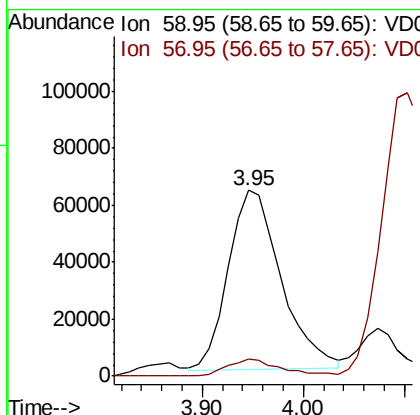
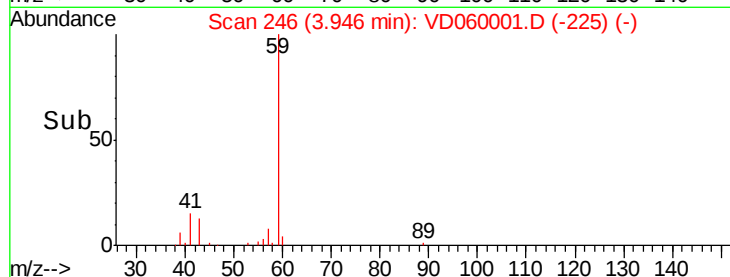
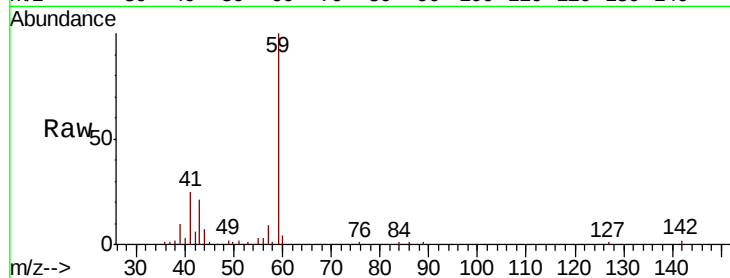


#11

Tert butyl alcohol
 Concen: 222.10 ug/l
 RT: 3.95 min Scan# 246
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

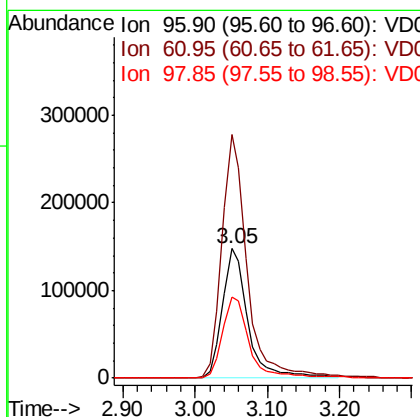
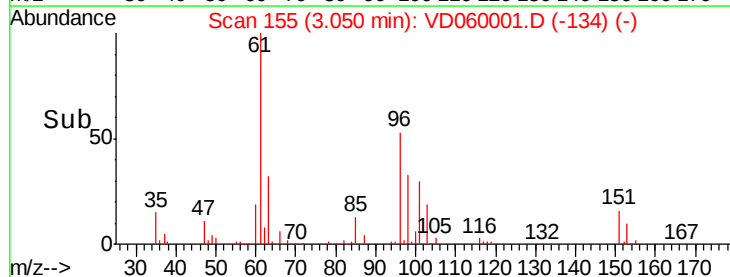
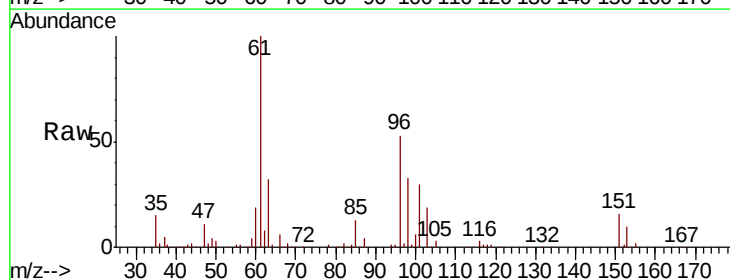
Tot Ion: 59 Resp: 230538
 Ion Ratio Lower Upper
 59 100
 57 9.0 7.4 11.2

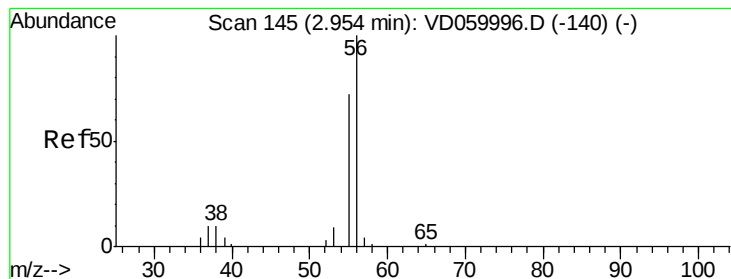


#12

1,1-Dichloroethene
 Concen: 53.63 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 96 Resp: 364001
 Ion Ratio Lower Upper
 96 100
 61 187.8 149.8 224.6
 98 62.3 50.2 75.4





#13

Acrolein

Concen: 246.06 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

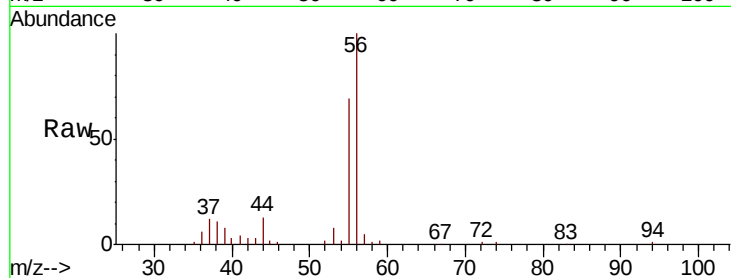
VSTDCCC050

Tot Ion: 56 Resp: 158169

Ion Ratio Lower Upper

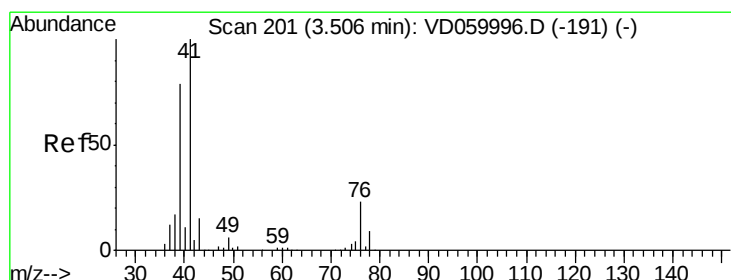
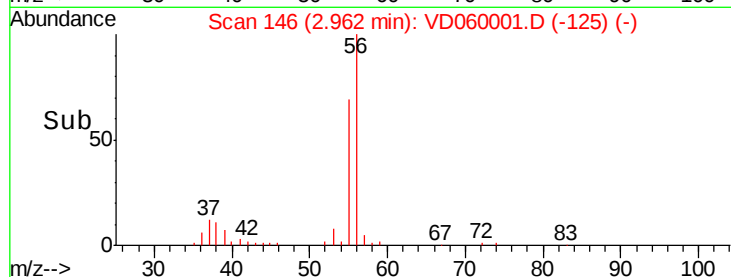
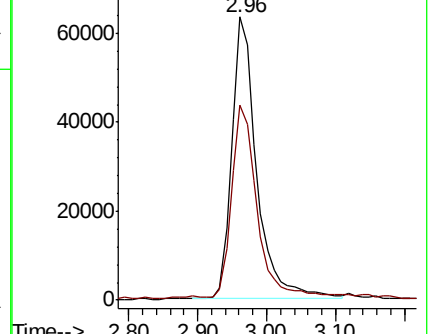
56 100

55 69.0 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: 52.33 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

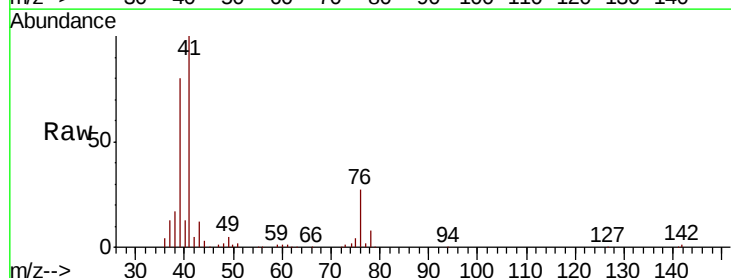
Tgt Ion: 41 Resp: 748998

Ion Ratio Lower Upper

41 100

39 80.1 63.6 95.4

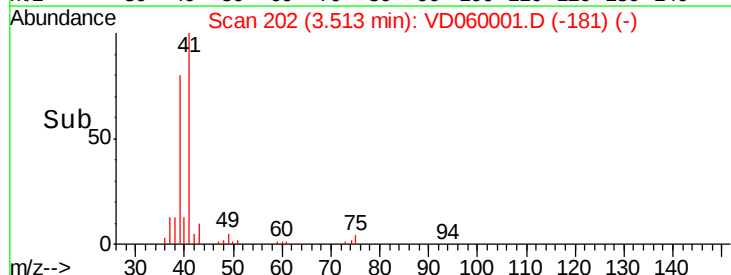
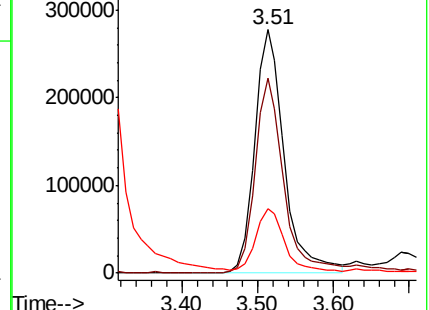
76 26.5 21.1 31.7

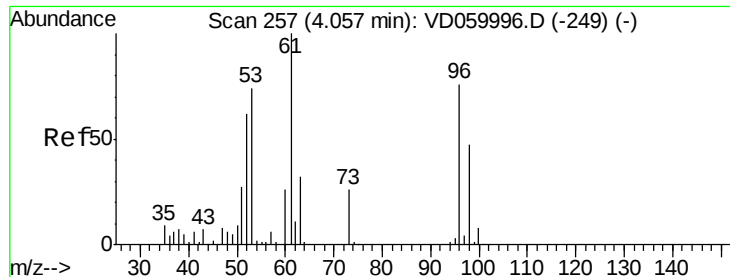


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 242.36 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

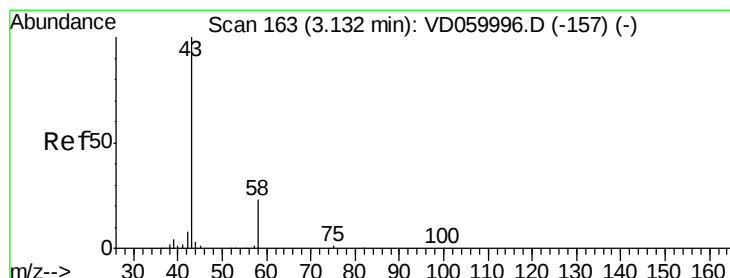
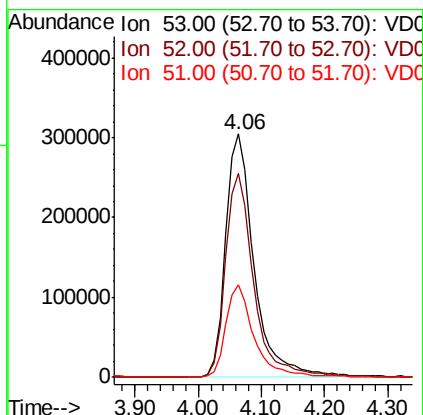
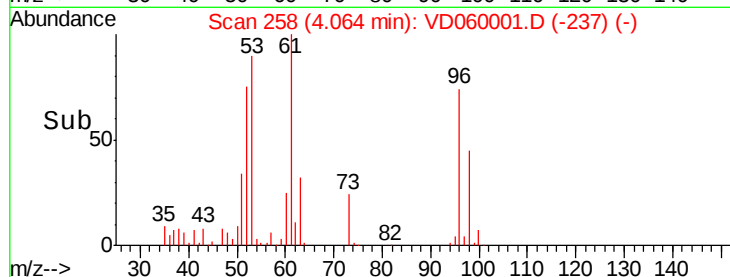
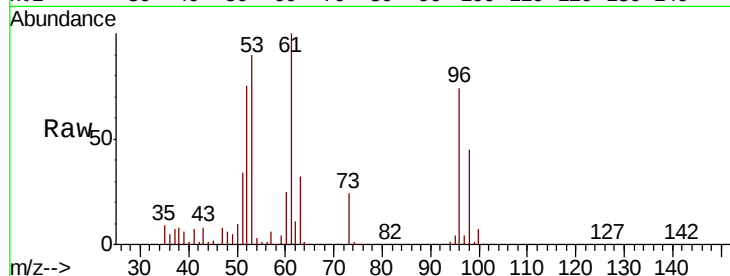
Tot Ion: 53 Resp: 949619

Ion Ratio Lower Upper

53 100

52 83.8 66.7 100.1

51 38.0 29.0 43.6



#16

Acetone

Concen: 284.16 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060001.D

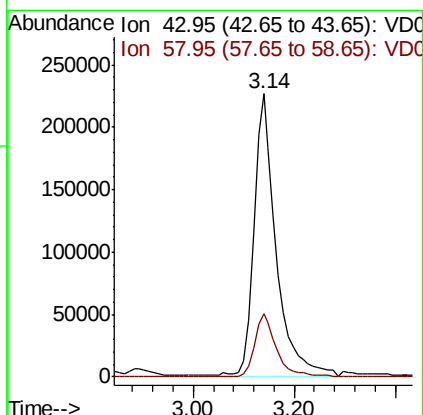
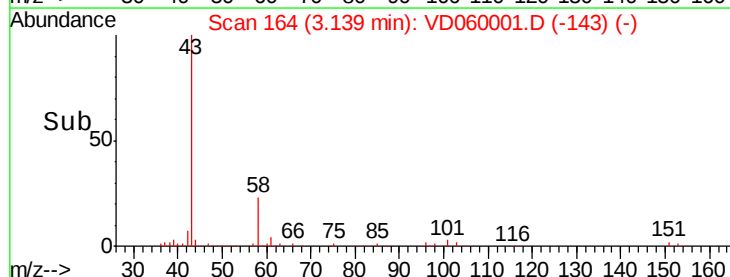
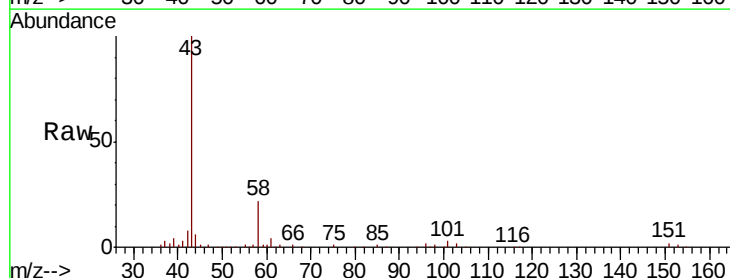
Acq: 14 Sep 2018 10:30

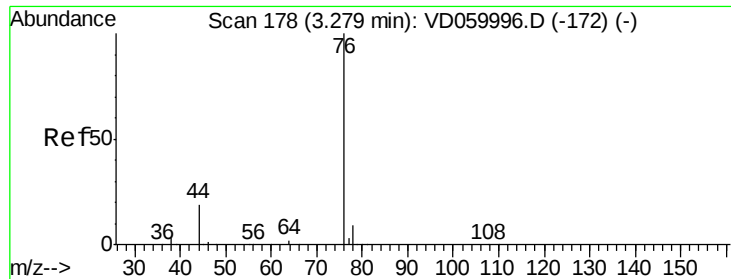
Tgt Ion: 43 Resp: 705764

Ion Ratio Lower Upper

43 100

58 22.4 18.1 27.1

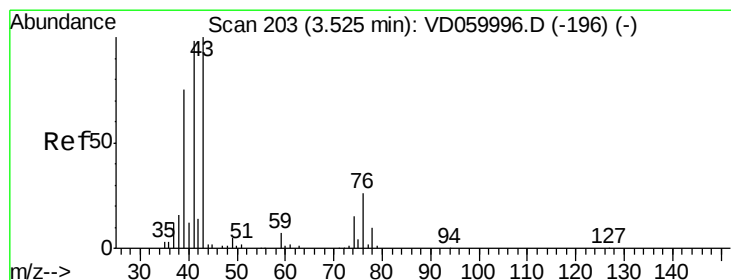
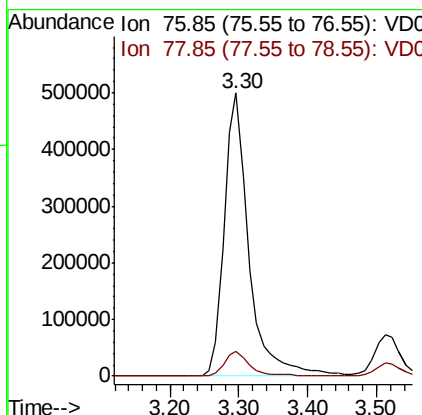
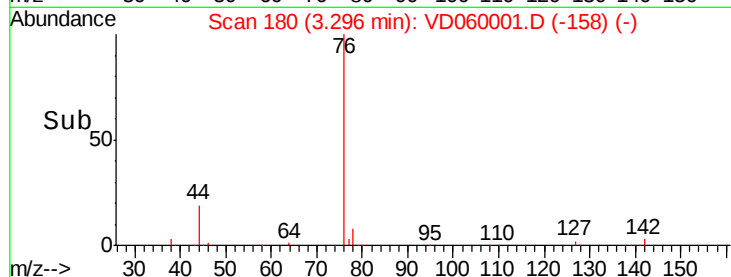
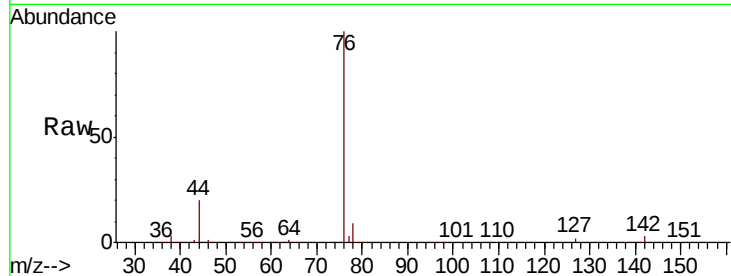




#17
Carbon Disulfide
Concen: 52.75 ug/l
RT: 3.30 min Scan# 180
Delta R.T. 0.02 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

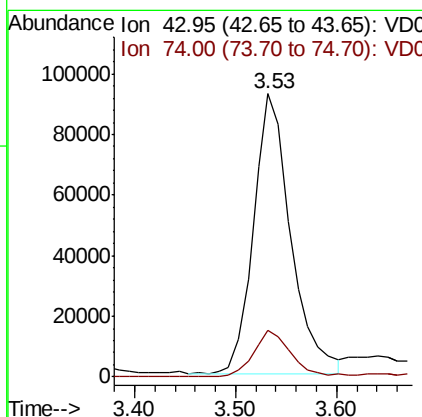
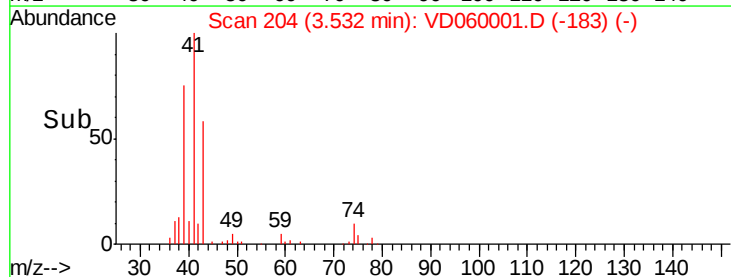
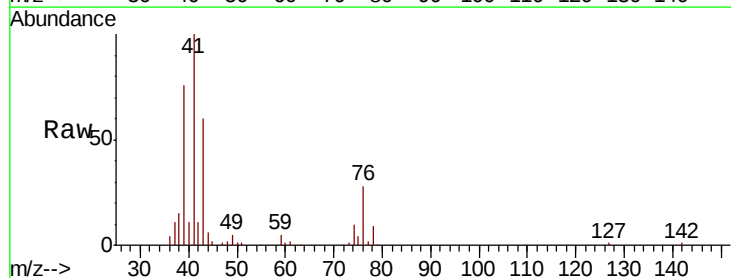
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

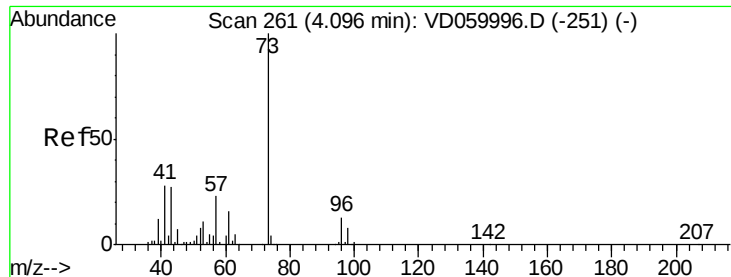
Tot Ion: 76 Resp: 1233682
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.4



#18
Methyl Acetate
Concen: 46.92 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 43 Resp: 237010
Ion Ratio Lower Upper
43 100
74 16.6 11.8 17.8

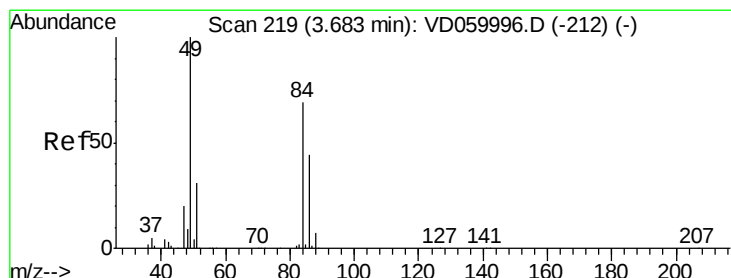
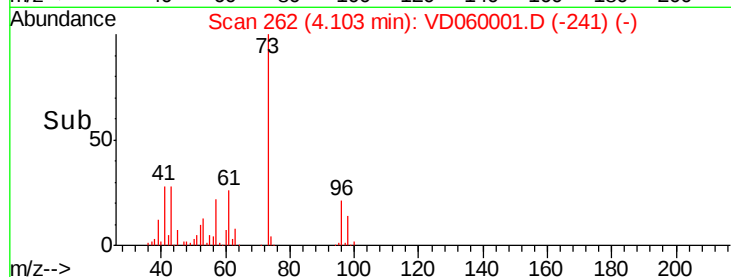
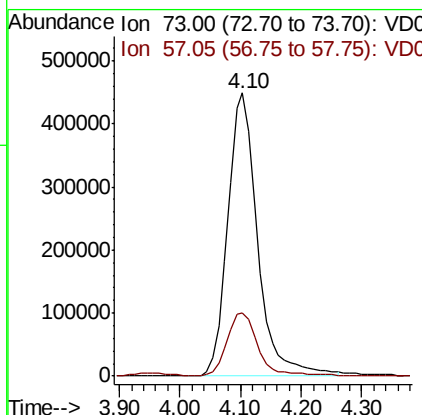
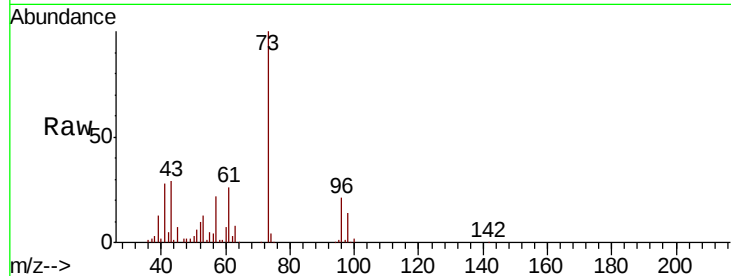




#19
Methvl tert-butvl Ether
Concen: 49.02 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

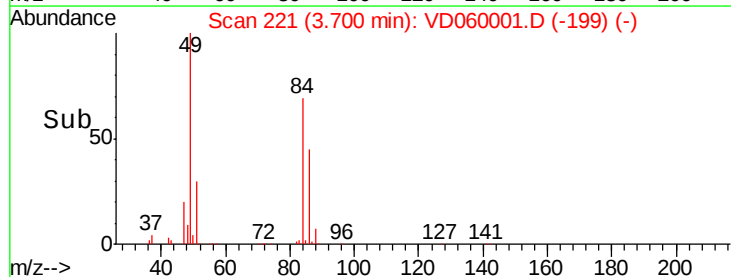
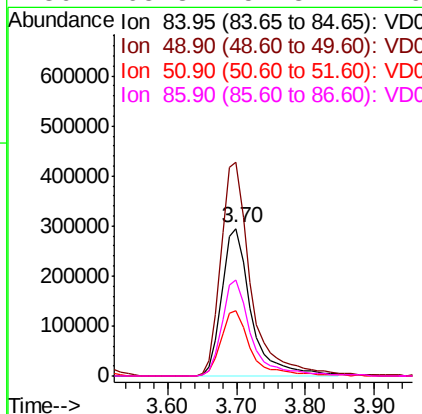
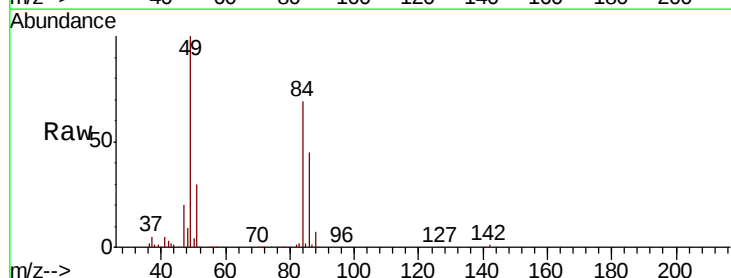
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

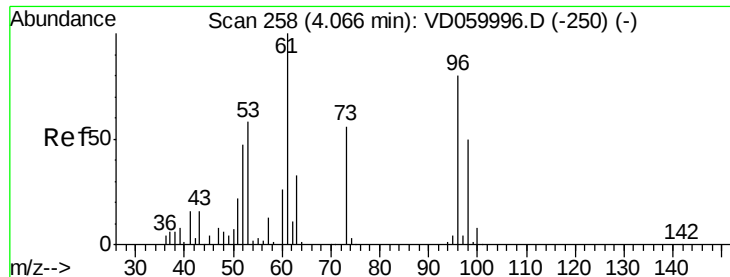
Tot Ion: 73 Resp: 1537433
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#20
Methylene Chloride
Concen: 49.39 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.02 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 84 Resp: 874462
Ion Ratio Lower Upper
84 100
49 144.6 116.6 175.0
51 44.1 35.9 53.9
86 65.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.49 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

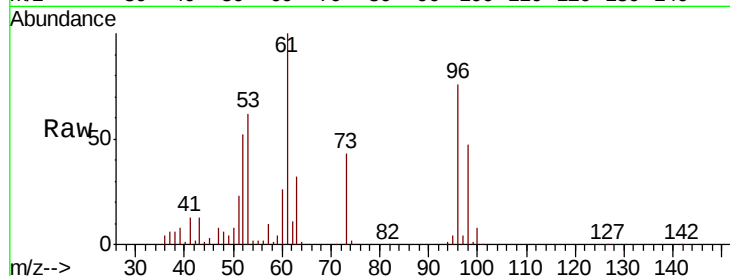
Tot Ion: 96 Resp: 881501

Ion Ratio Lower Upper

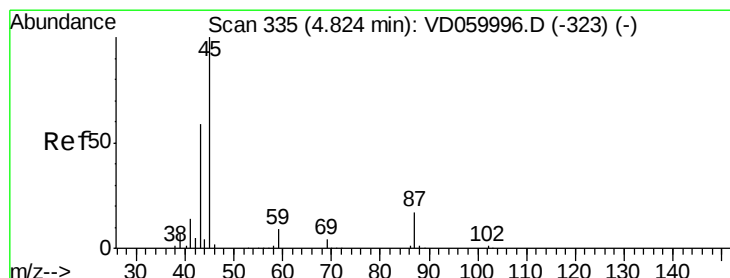
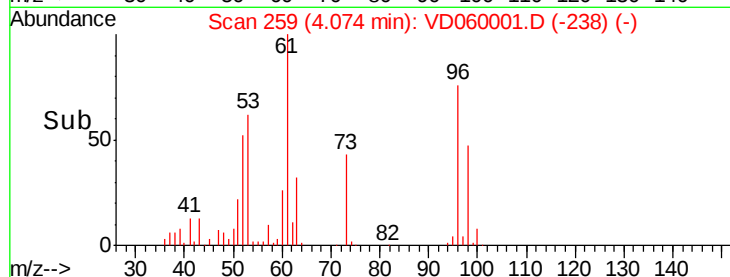
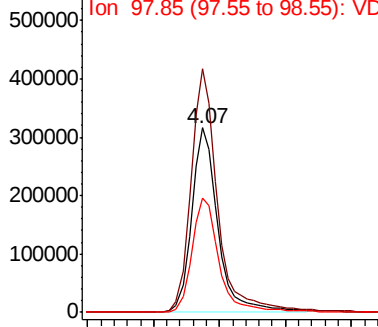
96 100

61 131.9 100.1 150.1

98 62.2 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: 50.08 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tgt Ion: 45 Resp: 3270147

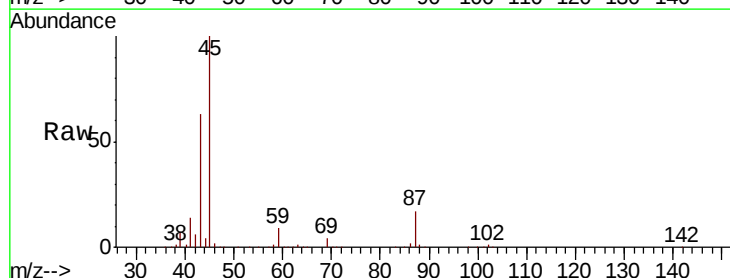
Ion Ratio Lower Upper

45 100

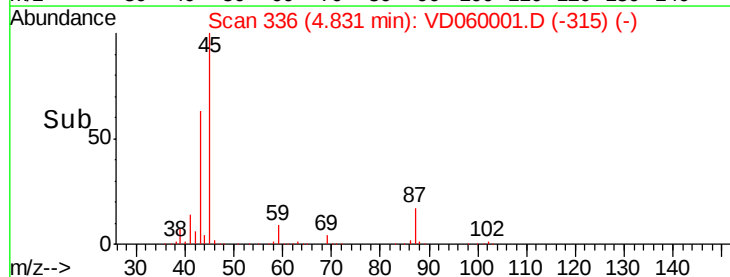
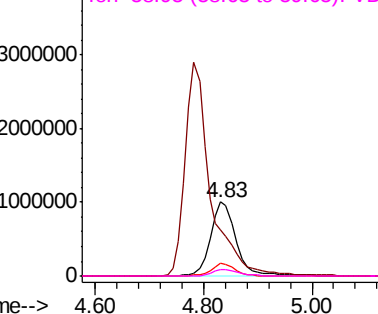
43 63.0 47.1 70.7

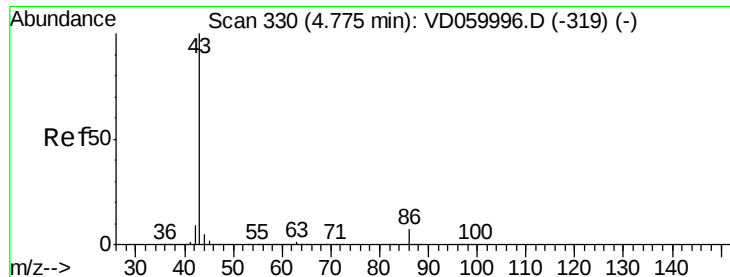
87 16.8 14.2 21.2

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

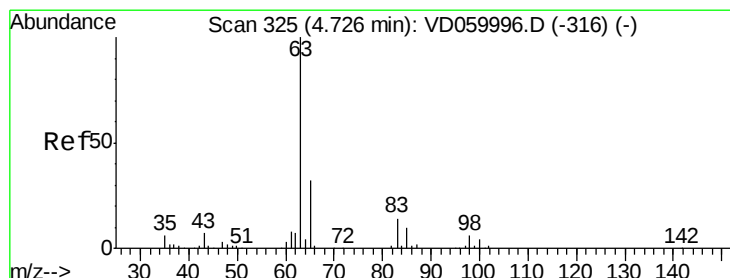
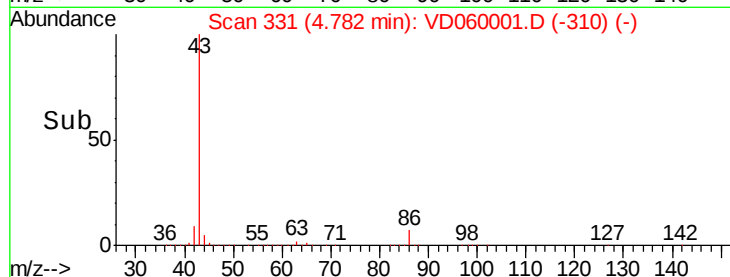
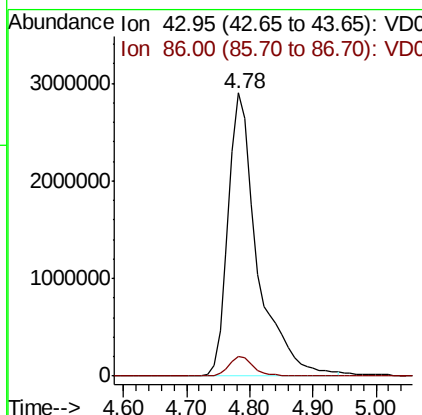
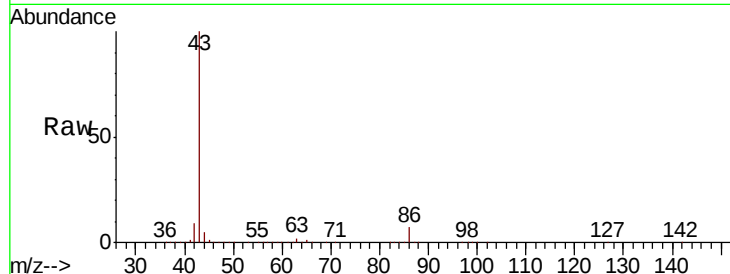




#23
 Vinyl Acetate
 Concen: 251.60 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

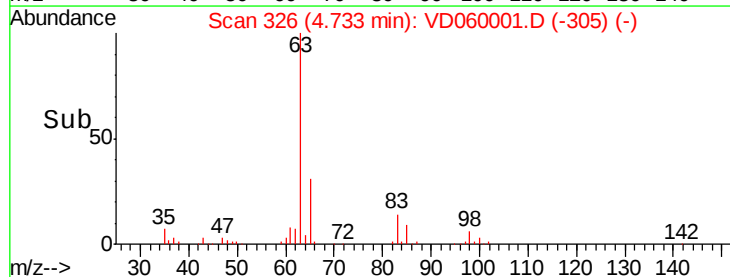
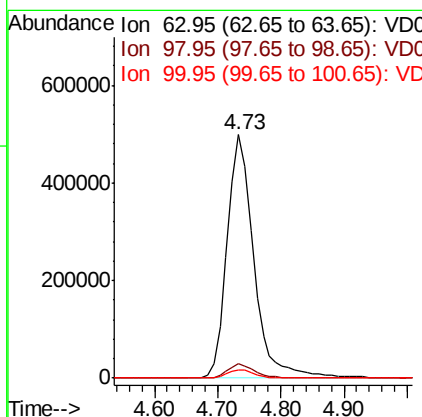
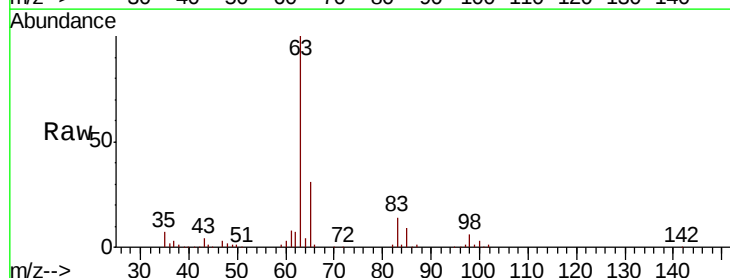
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

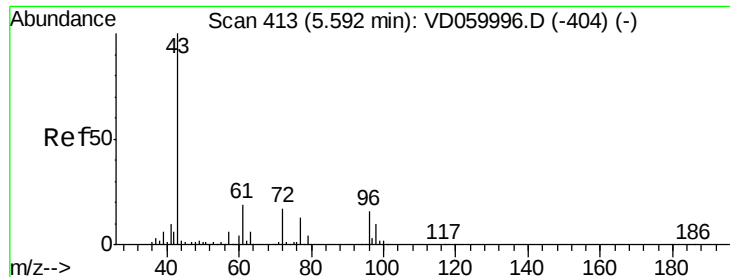
Tot Ion: 43 Resp: 9306926
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 49.79 ug/l
 RT: 4.73 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 63 Resp: 1459037
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.5 1.8 5.4





#25

2-Butanone

Concen: 235.77 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

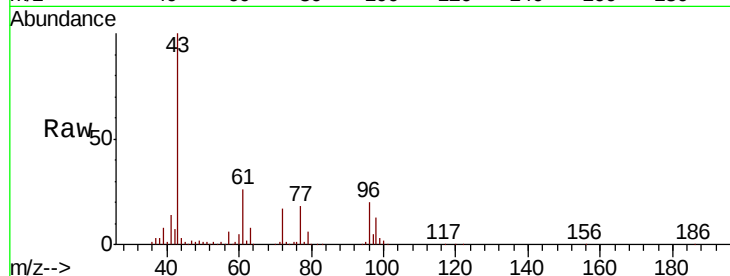
VSTDCCC050

Tot Ion: 43 Resp: 1580160

Ion Ratio Lower Upper

43 100

72 16.9 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.60

600000

400000

200000

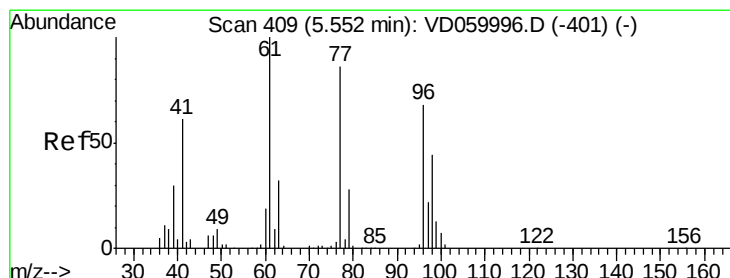
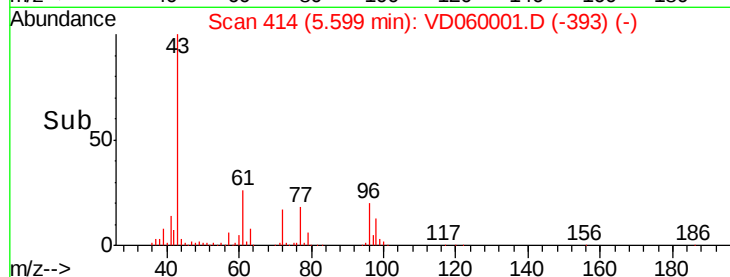
0

Time-->

5.50

5.60

5.70



#26

2,2-Dichloropropane

Concen: 50.06 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060001.D

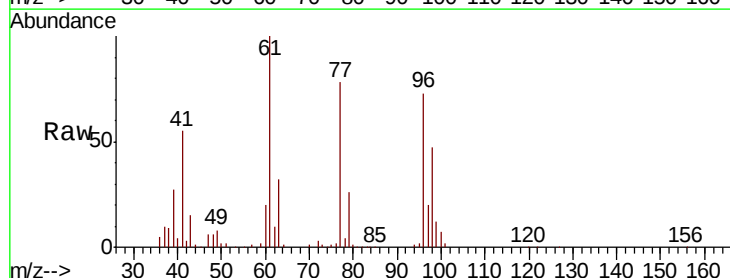
Acq: 14 Sep 2018 10:30

Tgt Ion: 77 Resp: 1140492

Ion Ratio Lower Upper

77 100

97 25.8 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.57

400000

300000

200000

100000

0

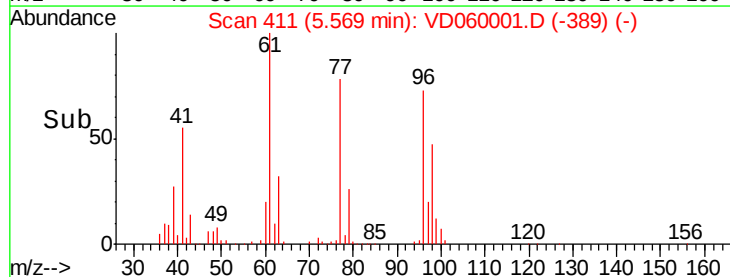
Time-->

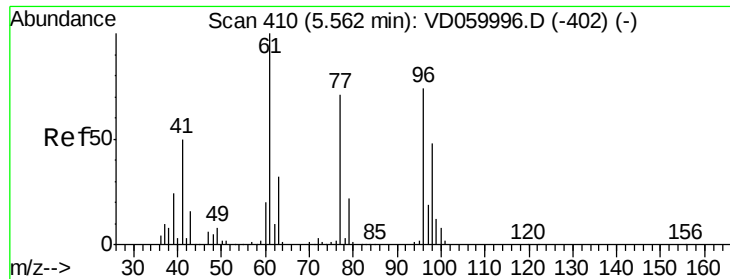
5.40

5.50

5.60

5.70





#27

cis-1,2-Dichloroethene

Concen: 49.29 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

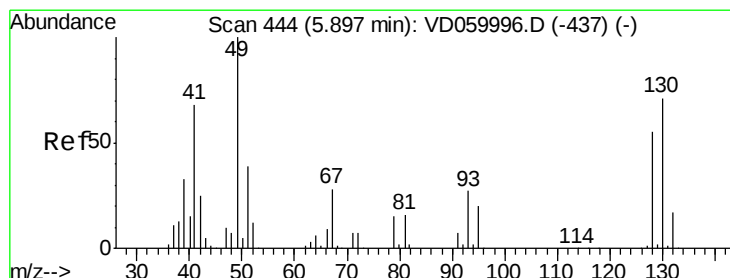
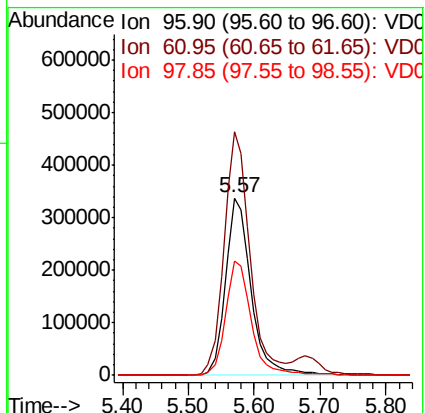
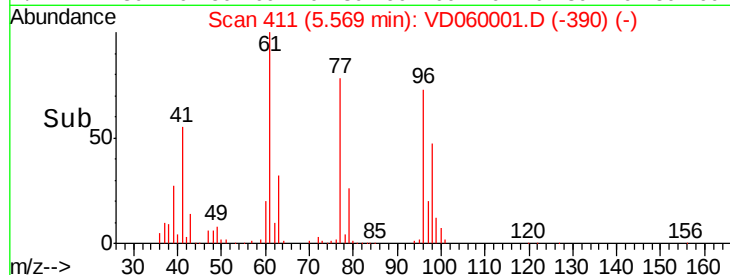
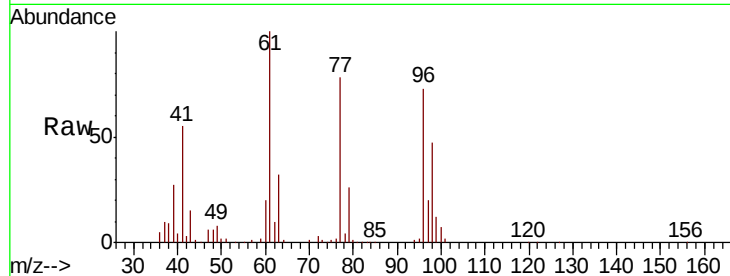
Tot Ion: 96 Resp: 918246

Ion Ratio Lower Upper

96 100

61 137.0 0.0 269.6

98 64.1 0.0 128.4



#28

Bromochloromethane

Concen: 50.01 ug/l

RT: 5.90 min Scan# 445

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

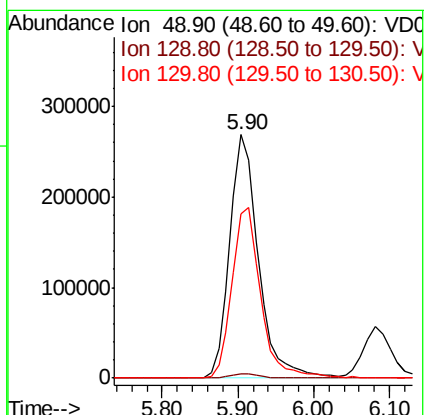
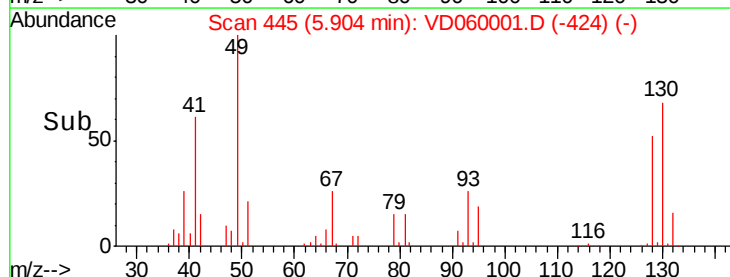
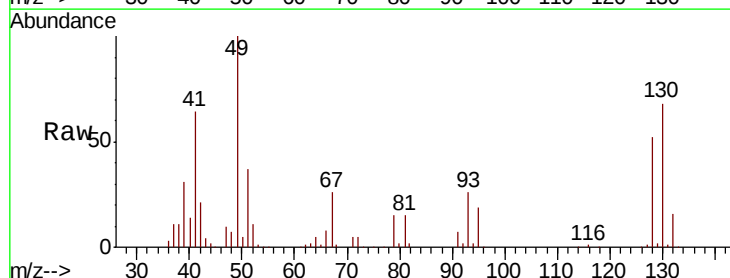
Tgt Ion: 49 Resp: 704434

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

130 67.6 57.1 85.7

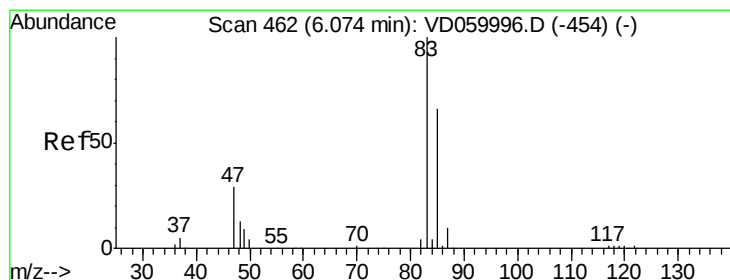
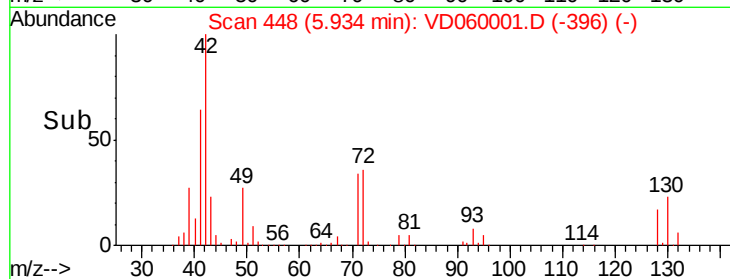
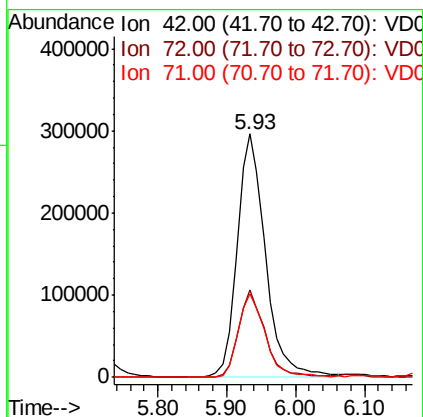
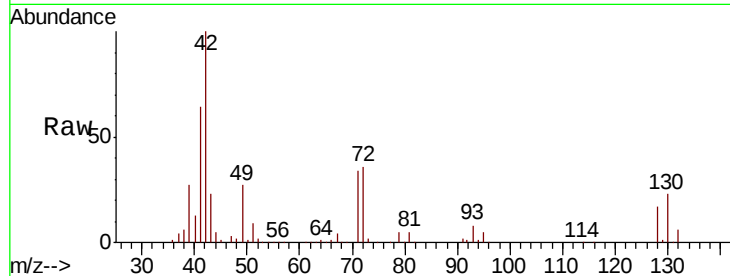




#29
Tetrahydrofuran
Concen: 231.94 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

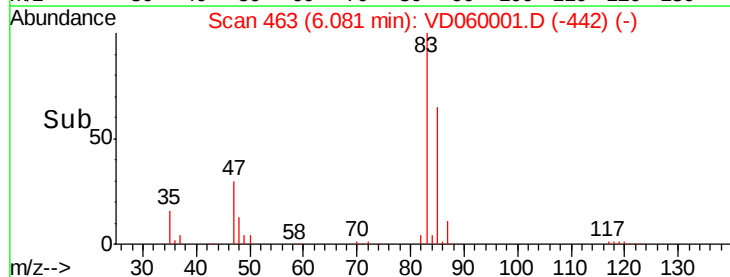
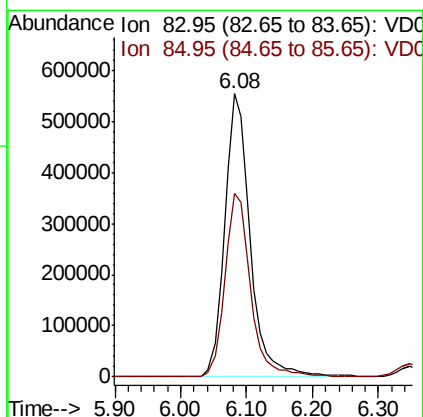
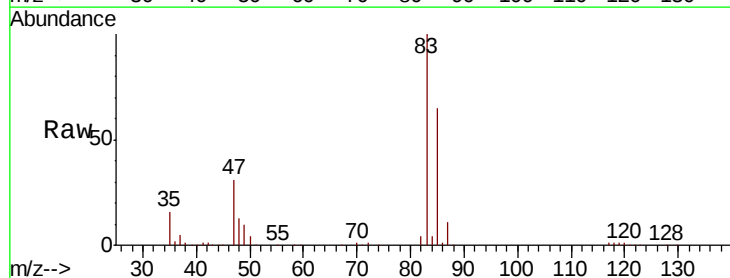
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

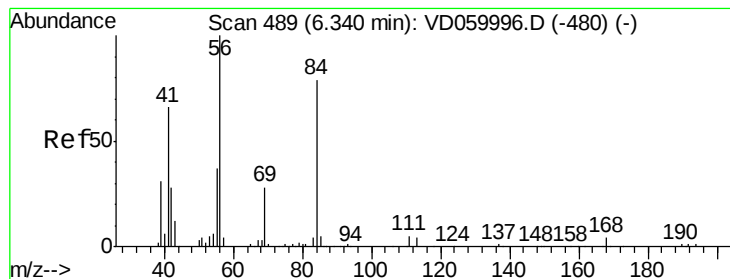
Tot Ion: 42 Resp: 833668
Ion Ratio Lower Upper
42 100
72 33.8 26.9 40.3
71 33.0 26.2 39.4



#30
Chloroform
Concen: 50.30 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 83 Resp: 1494574
Ion Ratio Lower Upper
83 100
85 64.7 52.6 78.8





#31

Cyclohexane

Concen: 47.73 ug/l

RT: 6.35 min Scan# 490

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

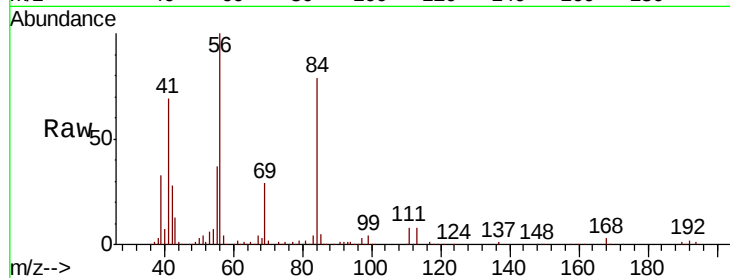
Tot Ion: 56 Resp: 1363533

Ion Ratio Lower Upper

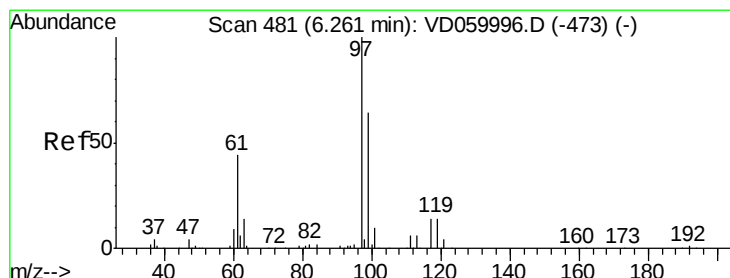
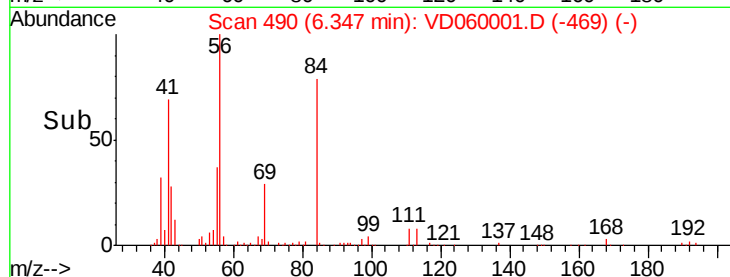
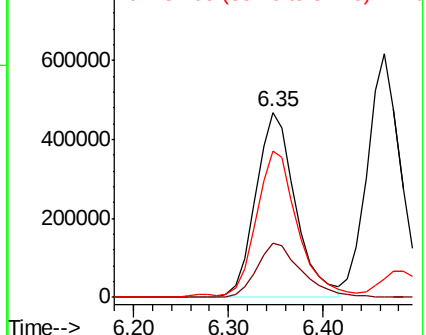
56 100

69 29.0 22.7 34.1

84 79.3 64.0 96.0



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 50.73 ug/l

RT: 6.28 min Scan# 483

Delta R.T. 0.02 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

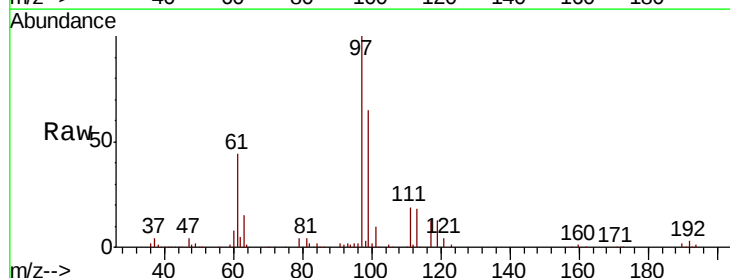
Tgt Ion: 97 Resp: 1250327

Ion Ratio Lower Upper

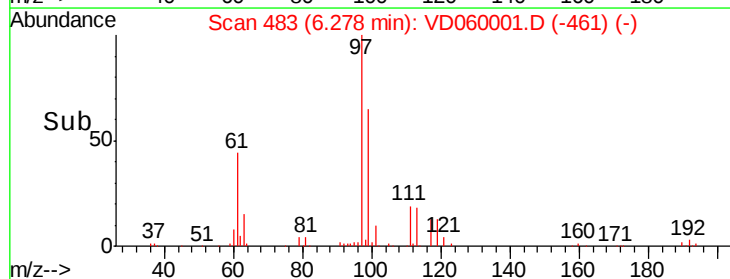
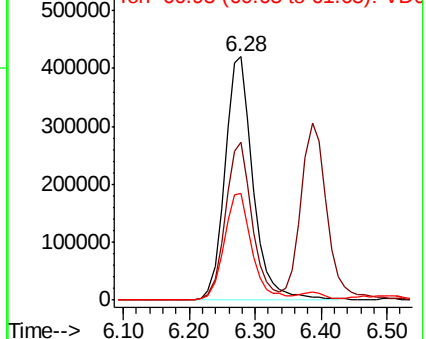
97 100

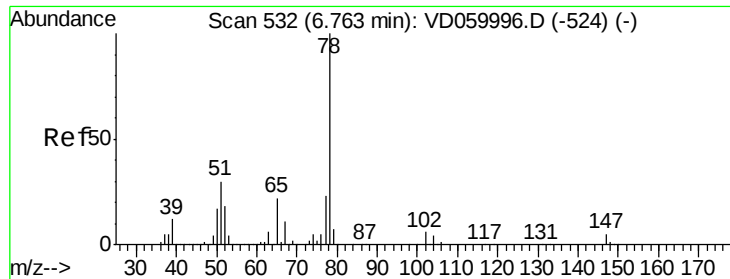
99 64.8 51.3 76.9

61 43.8 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.73 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

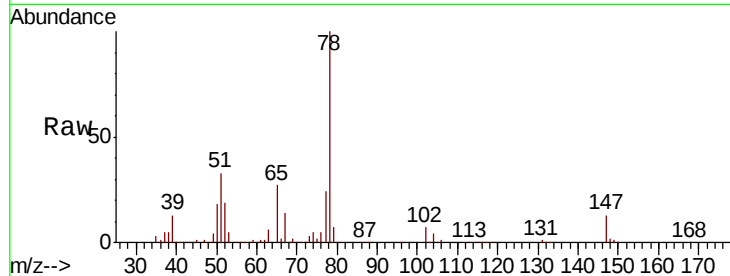
VSTDCCC050

Tot Ion: 65 Resp: 681099

Ion Ratio Lower Upper

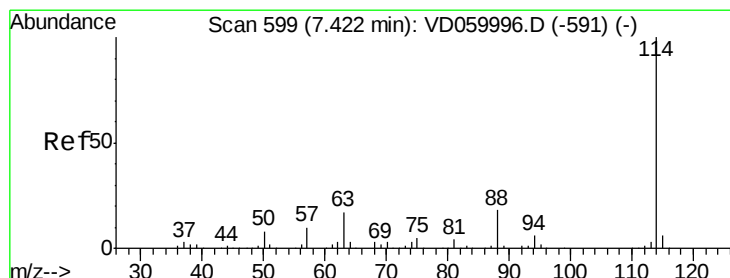
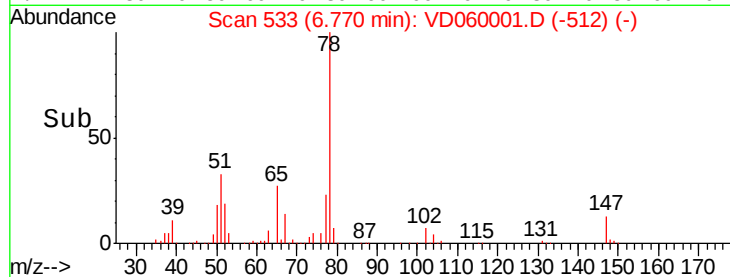
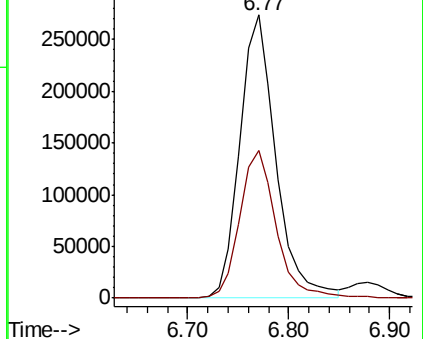
65 100

67 52.0 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

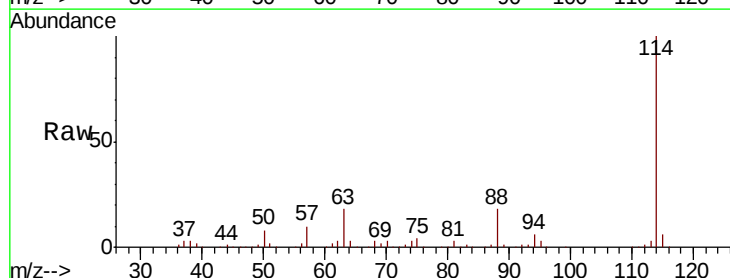
Tgt Ion: 114 Resp: 2257832

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.4

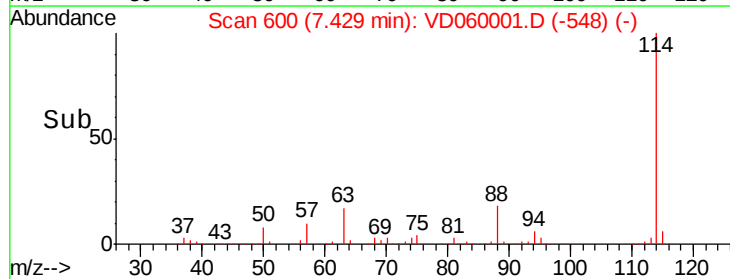
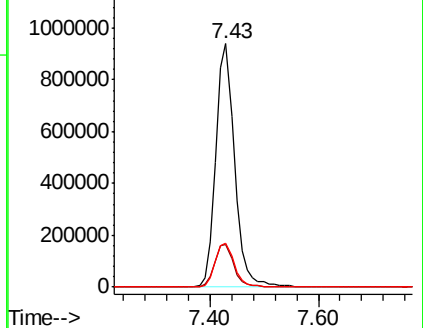
88 18.0 0.0 35.8

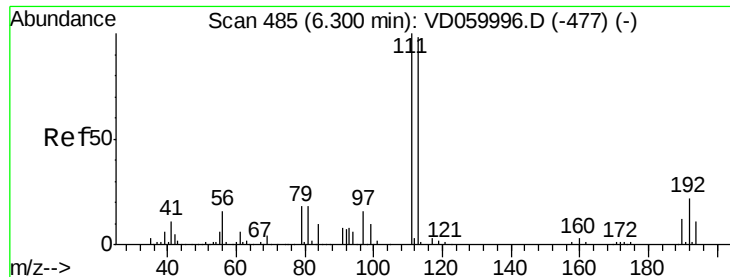


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

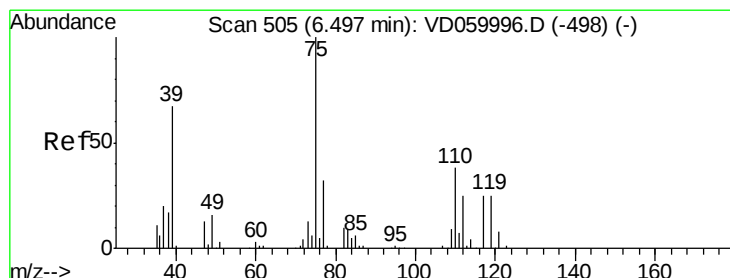
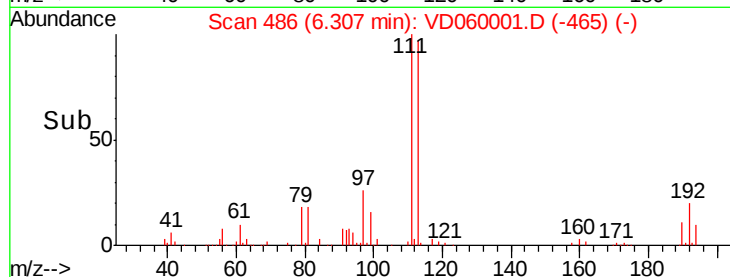
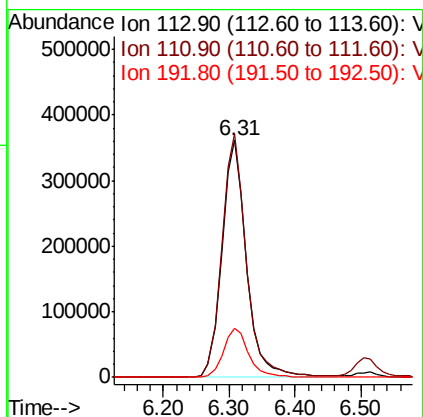
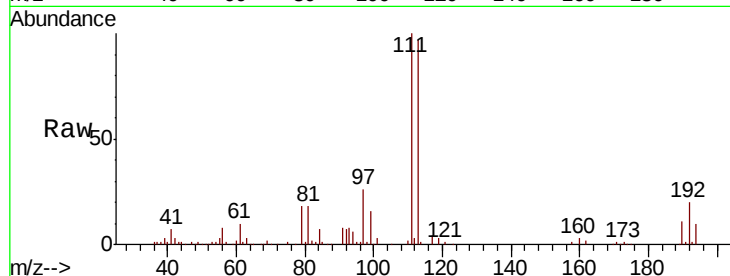




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

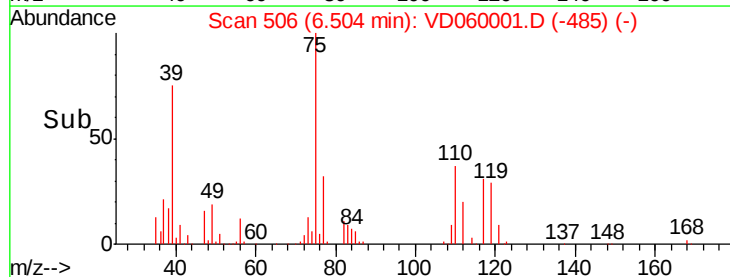
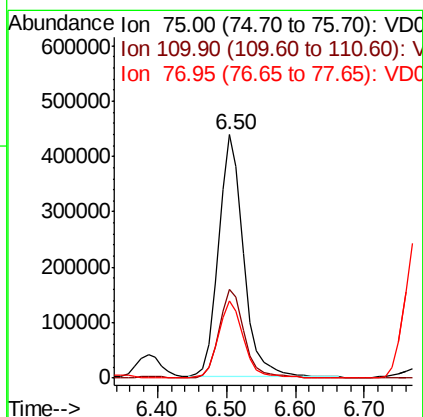
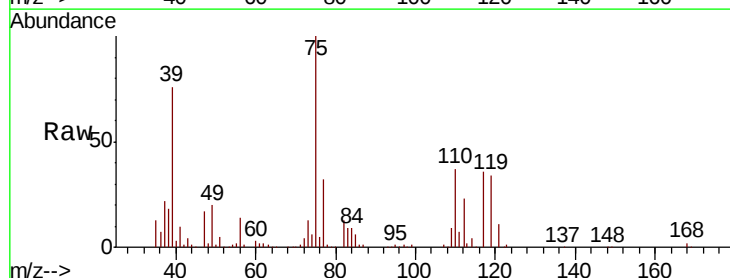
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

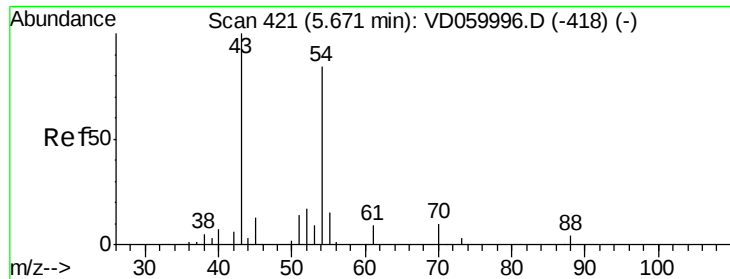
Tot Ion:113 Resp: 942333
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 20.9 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 48.72 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 75 Resp: 1092589
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.9 56.9
 77 31.8 25.3 37.9

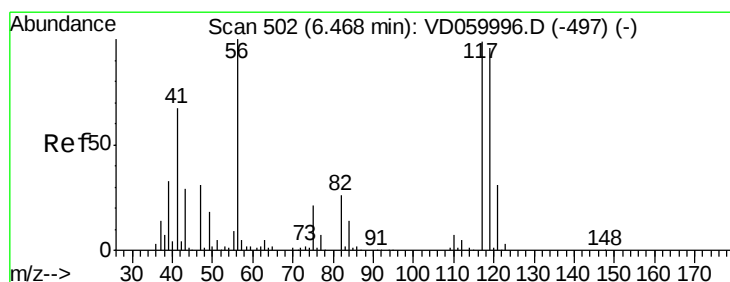
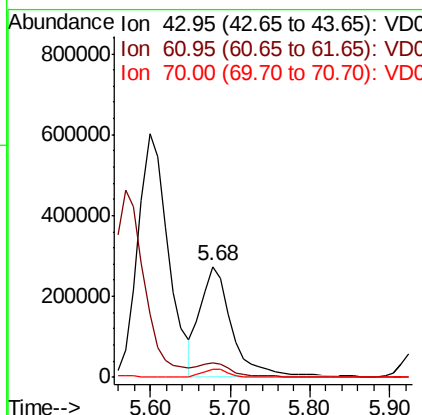
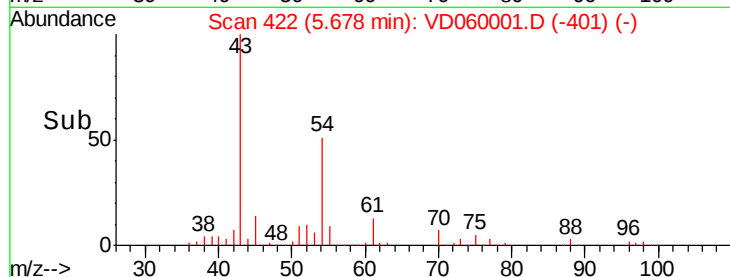
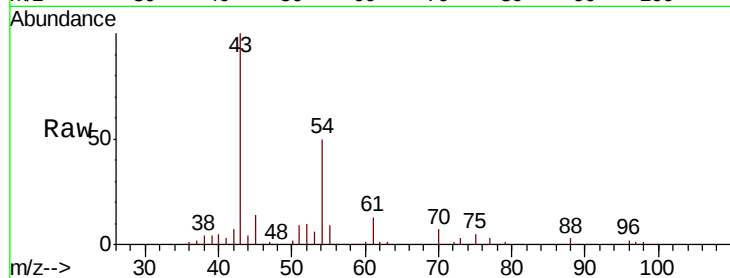




#37
Ethyl Acetate
Concen: 47.76 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

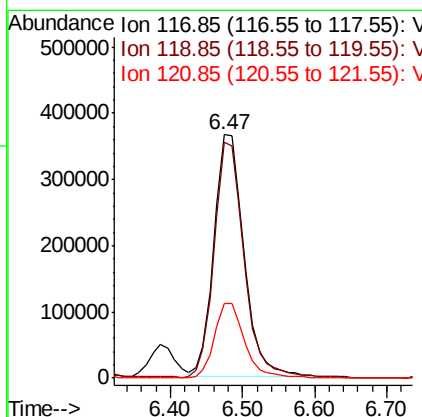
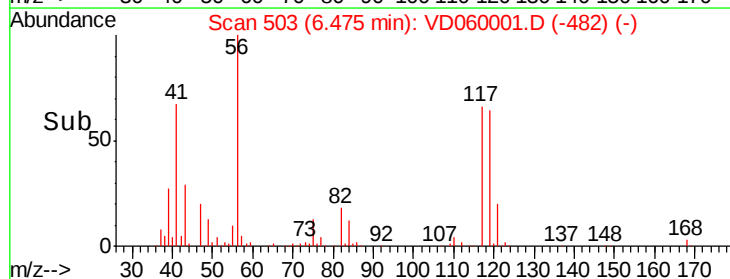
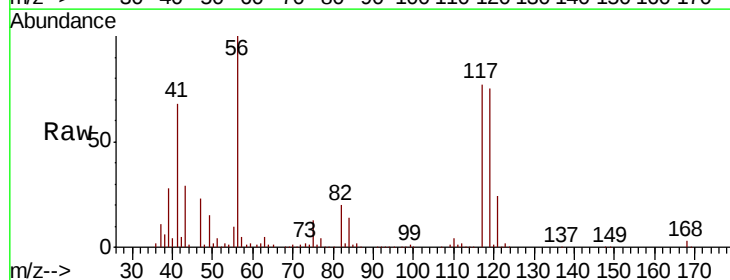
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

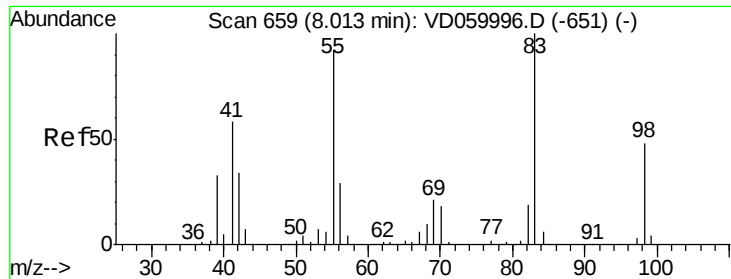
Tot Ion: 43 Resp: 736664
Ion Ratio Lower Upper
43 100
61 13.2 10.2 15.2
70 7.4 6.1 9.1



#38
Carbon Tetrachloride
Concen: 50.38 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 117 Resp: 1054699
Ion Ratio Lower Upper
117 100
119 97.1 76.7 115.1
121 30.8 24.9 37.3

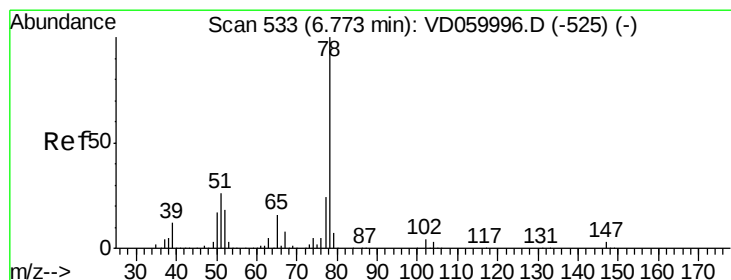
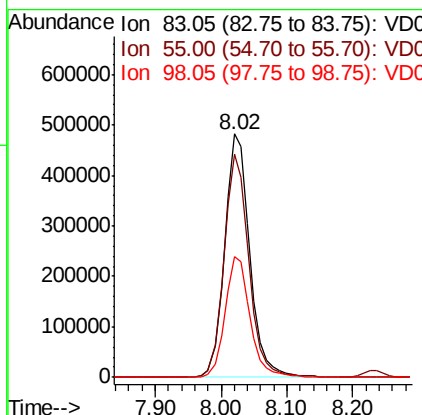
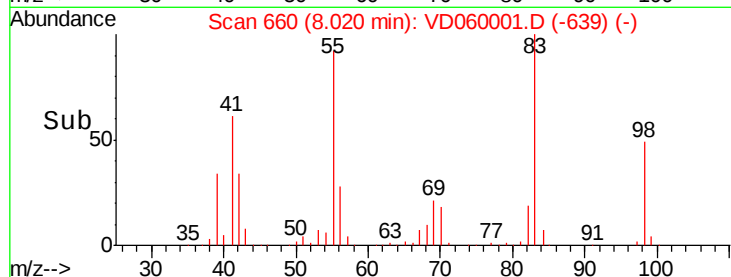
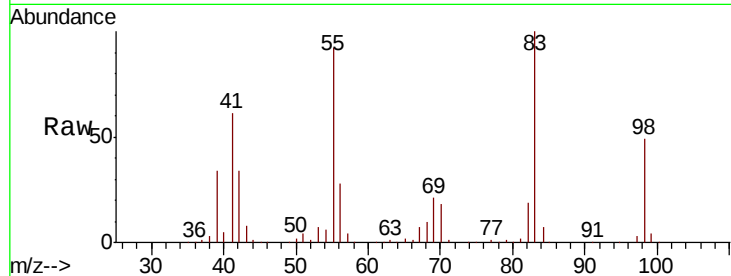




#39
Methvlcvclohexane
Concen: 50.71 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

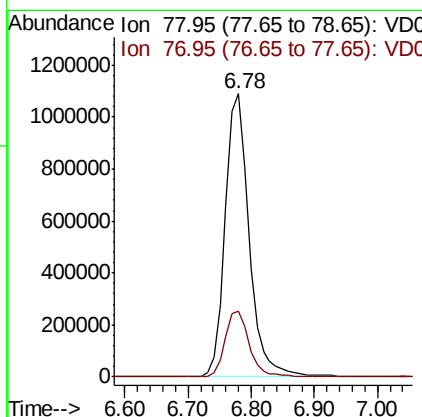
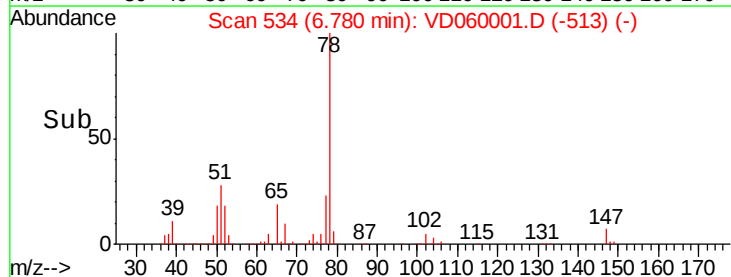
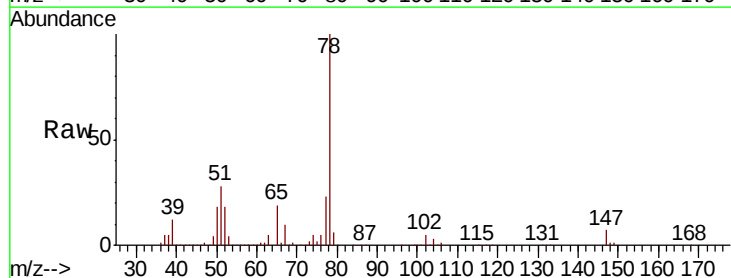
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

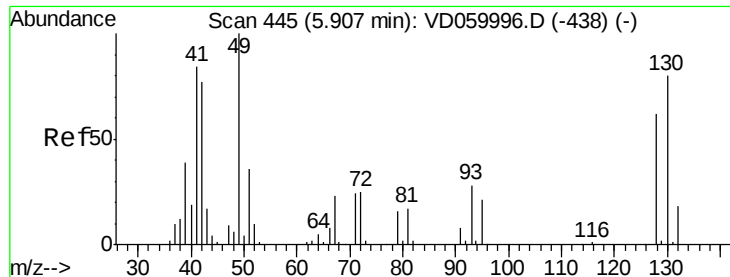
Tot Ion: 83 Resp: 1286496
Ion Ratio Lower Upper
83 100
55 91.7 73.8 110.6
98 49.4 38.1 57.1



#40
Benzene
Concen: 50.29 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 78 Resp: 2874600
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





#41

Methacrylonitrile

Concen: 104.56 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.03 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 844669

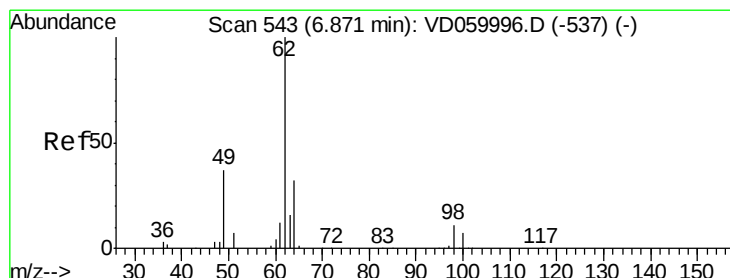
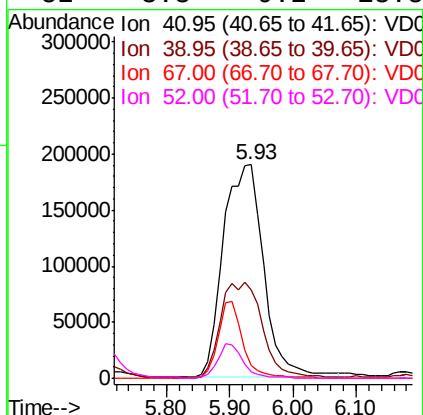
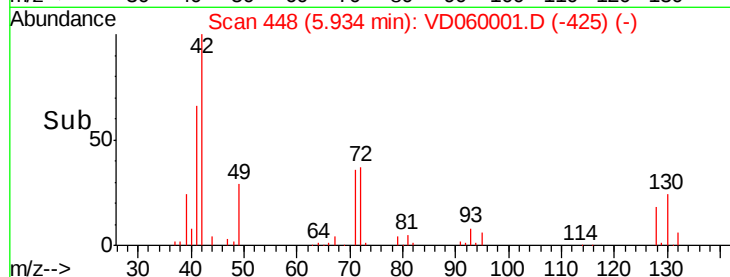
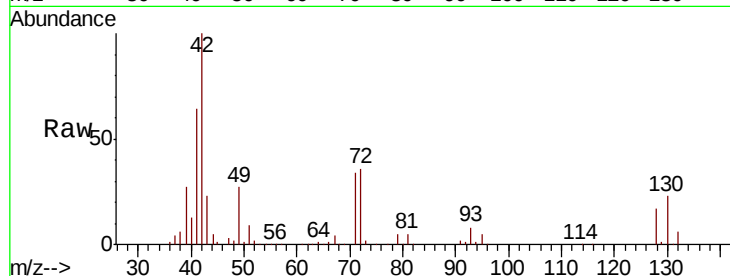
Ion Ratio Lower Upper

41 100

39 41.5 37.5 56.3

67 6.0 21.5 32.3#

52 3.3 9.2 13.8#



#42

1,2-Dichloroethane

Concen: 49.25 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD060001.D

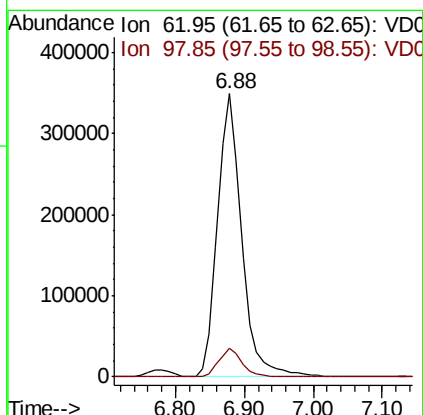
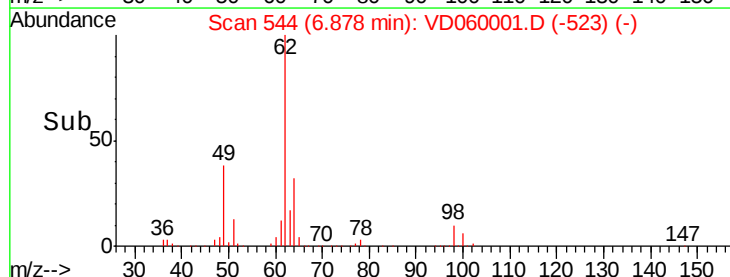
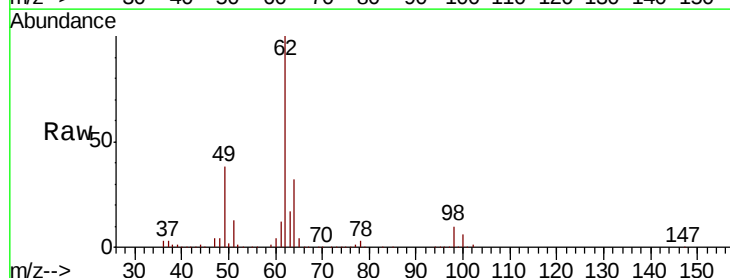
Acq: 14 Sep 2018 10:30

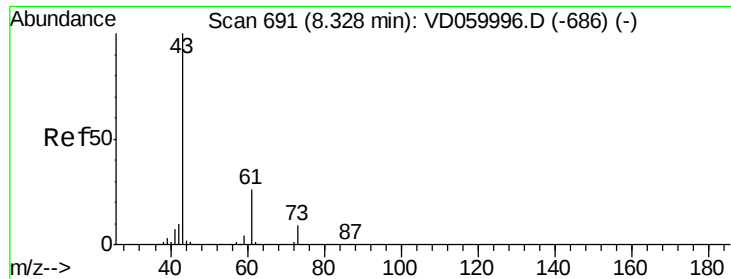
Tgt Ion: 62 Resp: 845259

Ion Ratio Lower Upper

62 100

98 10.4 0.0 21.4





#43

Isopropyl Acetate

Concen: 47.84 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

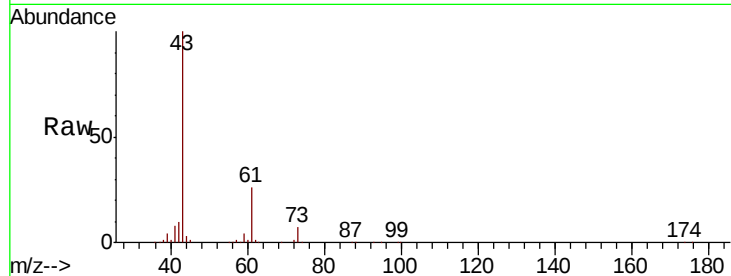
Tot Ion: 43 Resp: 987899

Ion Ratio Lower Upper

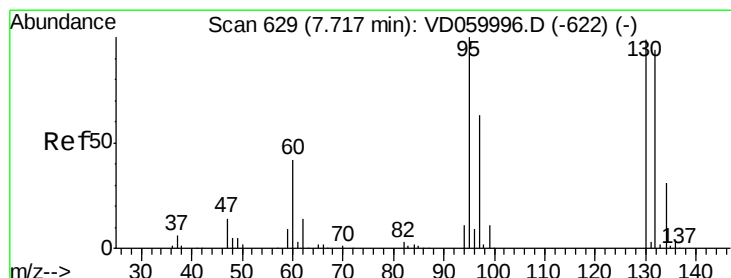
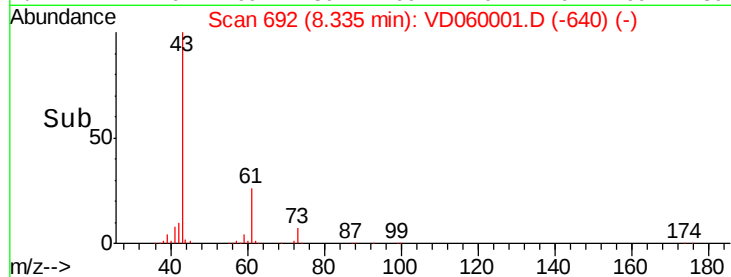
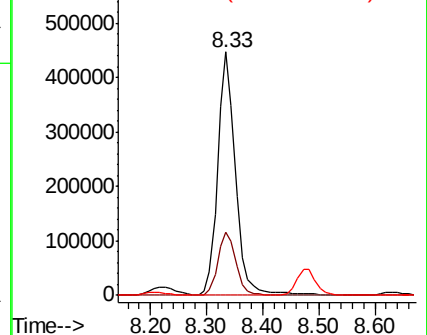
43 100

61 26.0 21.0 31.6

87 0.3 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: 49.71 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060001.D

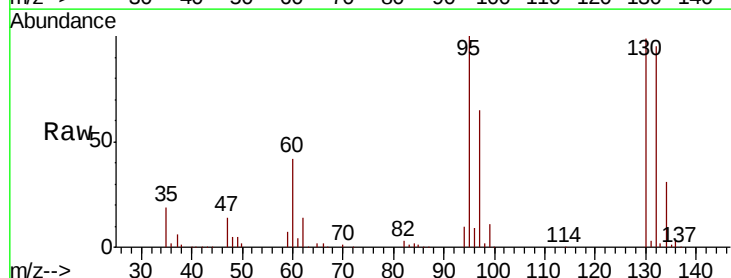
Acq: 14 Sep 2018 10:30

Tgt Ion:130 Resp: 877906

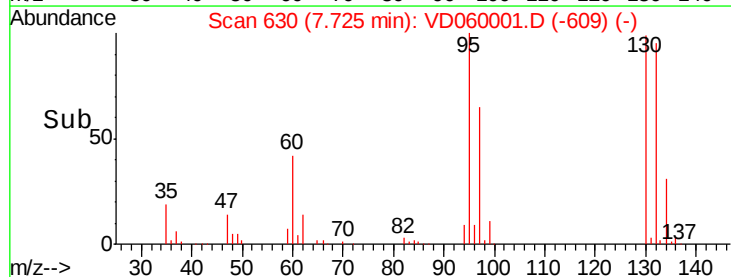
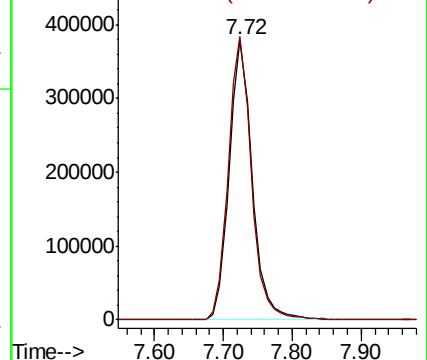
Ion Ratio Lower Upper

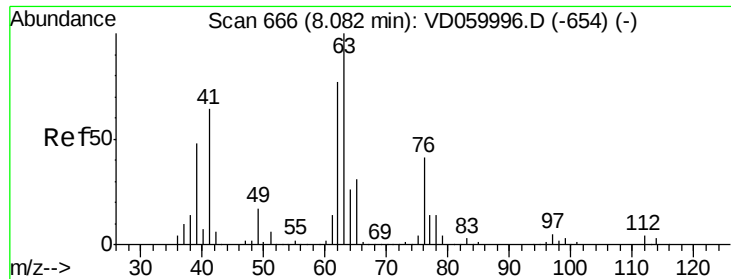
130 100

95 101.2 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 50.61 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

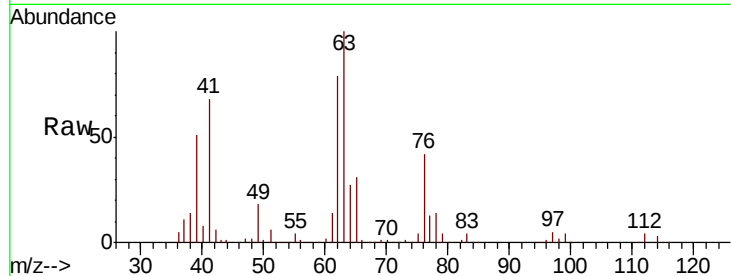
VSTDCCC050

Tot Ion: 63 Resp: 773601

Ion Ratio Lower Upper

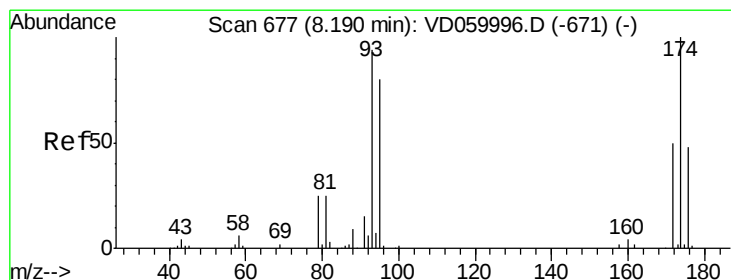
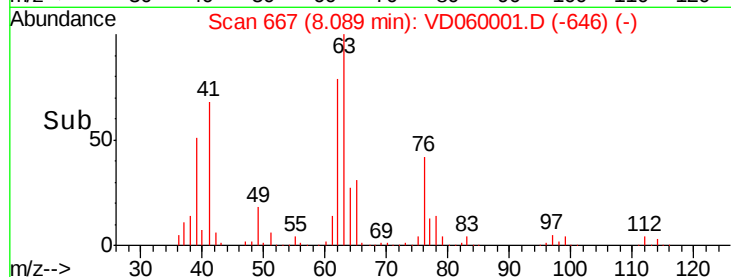
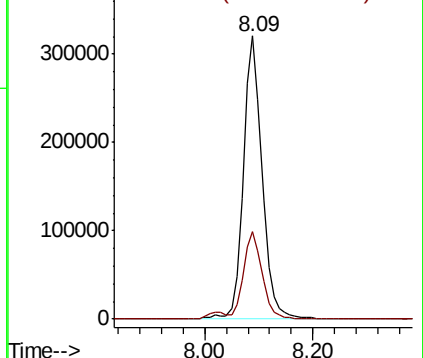
63 100

65 31.0 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 49.24 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

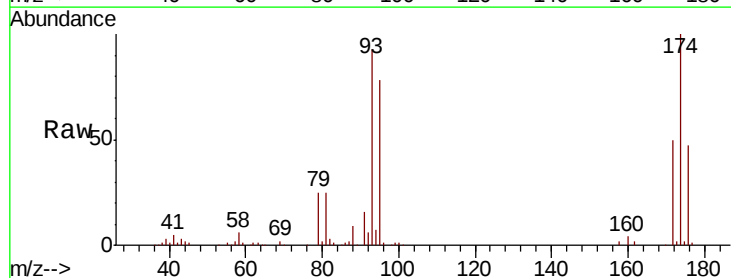
Tgt Ion: 93 Resp: 491127

Ion Ratio Lower Upper

93 100

95 83.5 68.0 102.0

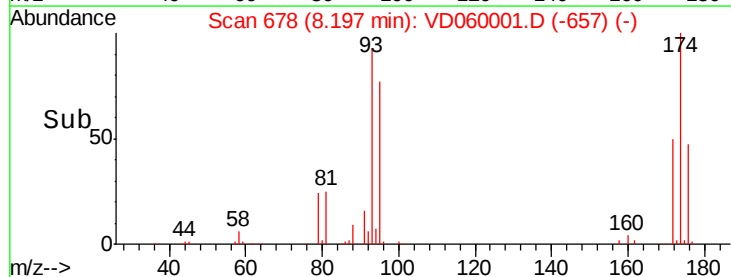
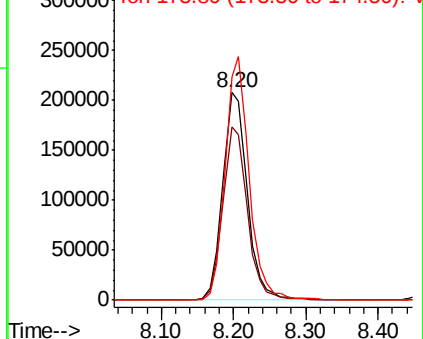
174 107.4 85.4 128.2

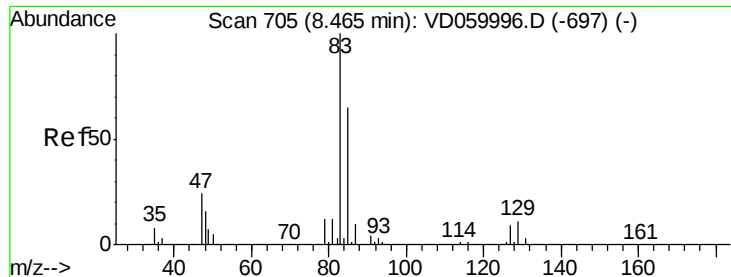


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.99 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

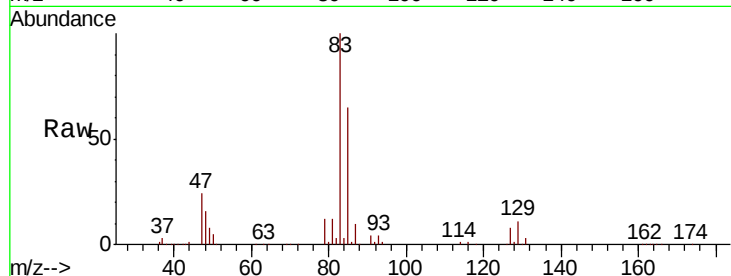
Tot Ion: 83 Resp: 1096381

Ion Ratio Lower Upper

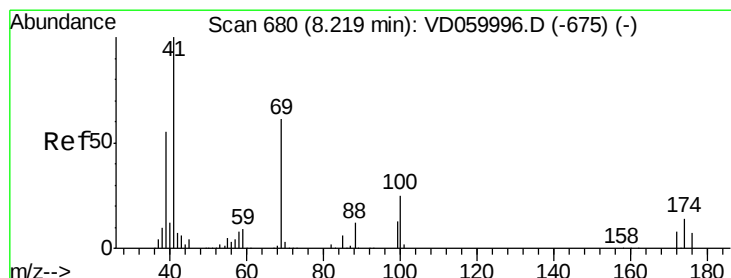
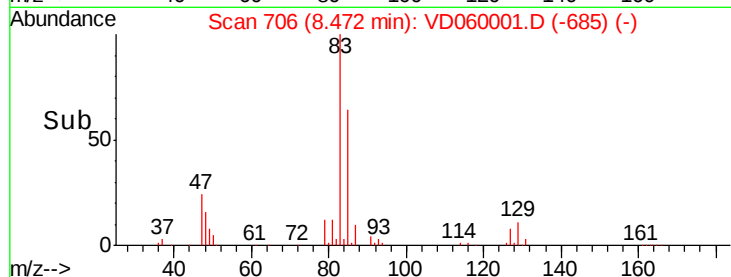
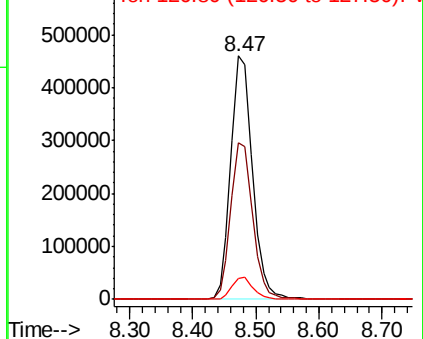
83 100

85 64.5 51.9 77.9

127 8.5 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: 49.49 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

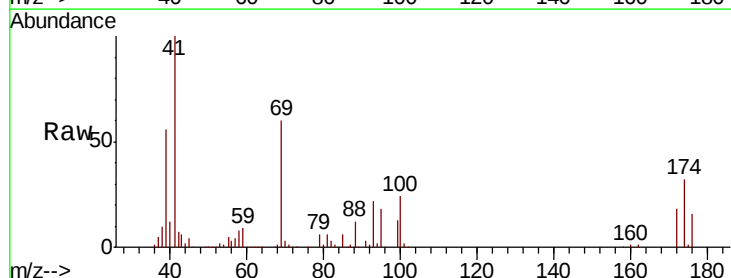
Tgt Ion: 41 Resp: 569232

Ion Ratio Lower Upper

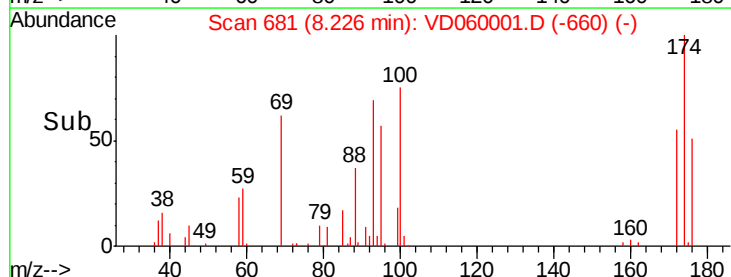
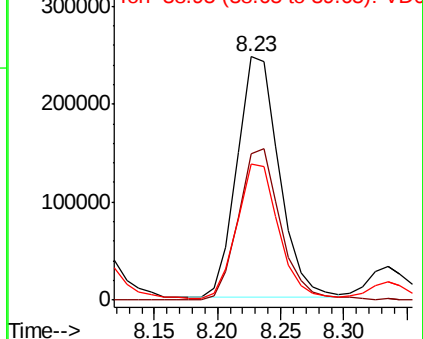
41 100

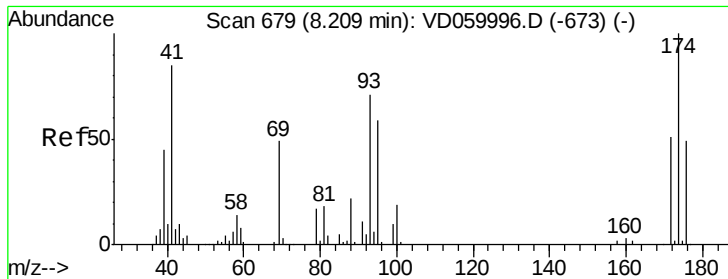
69 60.3 48.3 72.5

39 55.9 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: 939.31 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

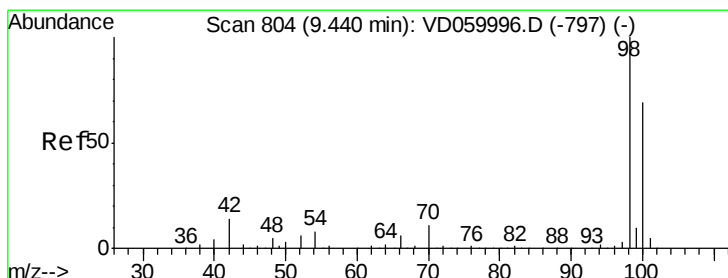
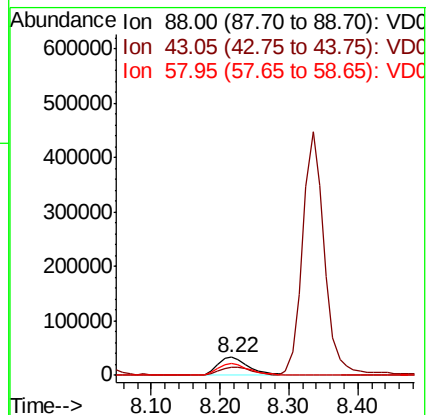
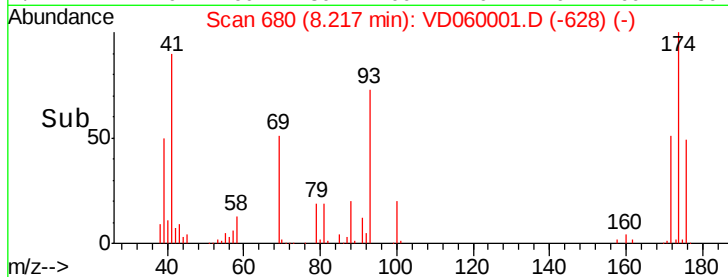
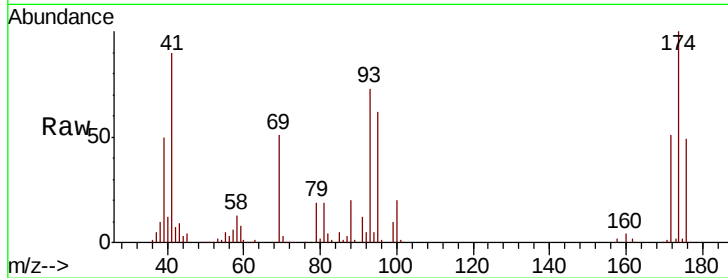
Tot Ion: 88 Resp: 107299

Ion Ratio Lower Upper

88 100

43 45.0 36.2 54.2

58 63.3 51.0 76.6



#50

Toluene-d8

Concen: 939.31 ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060001.D

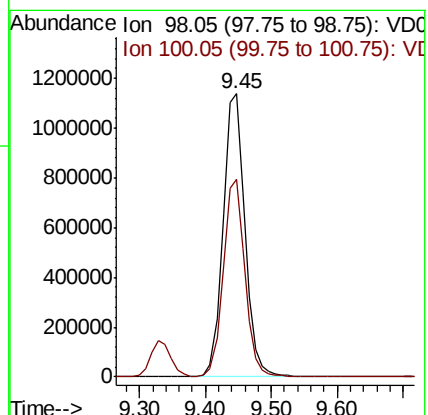
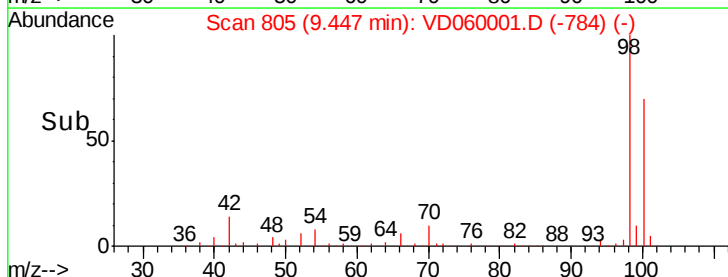
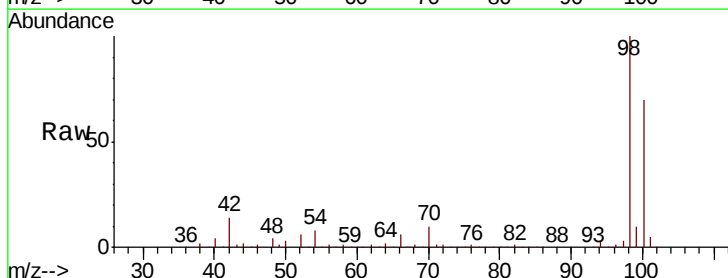
Acq: 14 Sep 2018 10:30

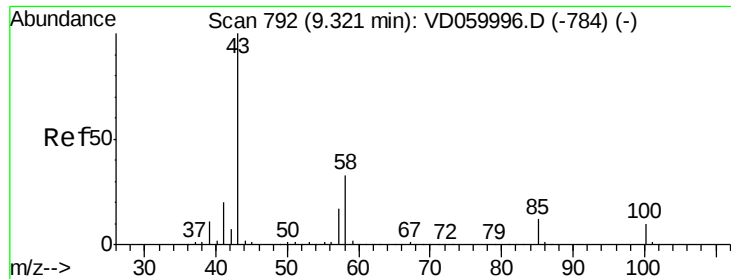
Tgt Ion: 98 Resp: 2636464

Ion Ratio Lower Upper

98 100

100 69.7 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 221.48 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

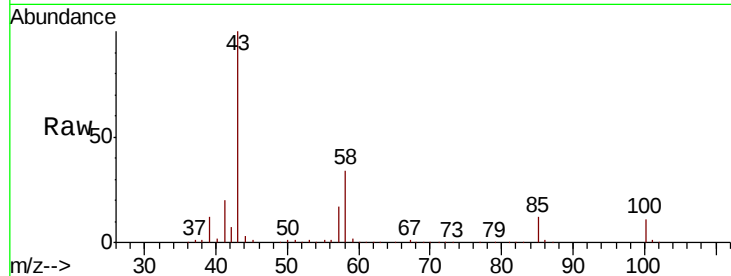
VSTDCCC050

Tot Ion: 43 Resp: 3060075

Ion Ratio Lower Upper

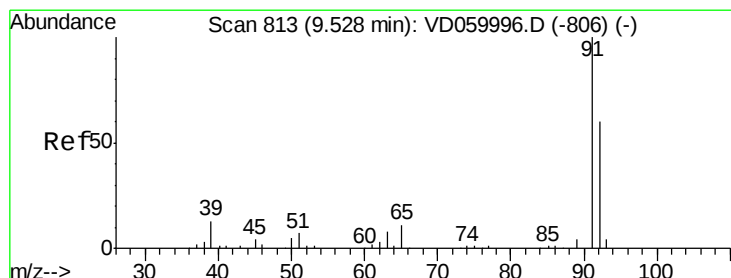
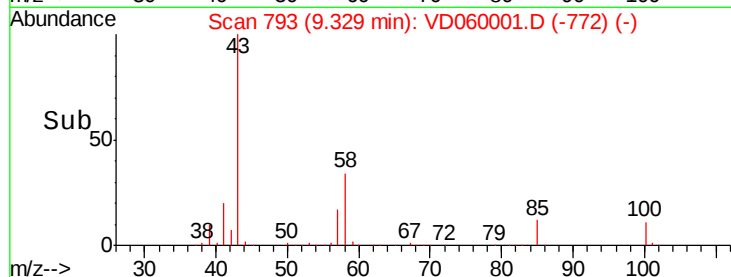
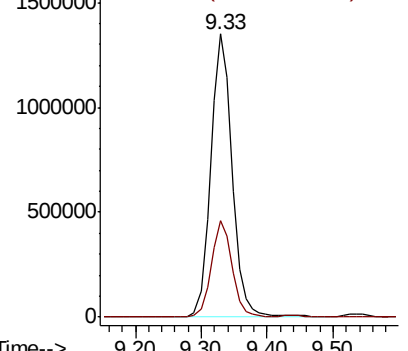
43 100

58 34.0 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 50.32 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060001.D

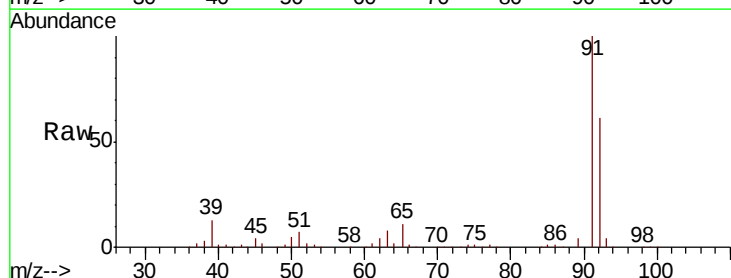
Acq: 14 Sep 2018 10:30

Tgt Ion: 92 Resp: 1843752

Ion Ratio Lower Upper

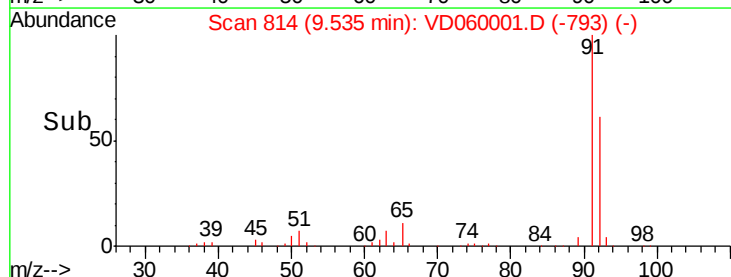
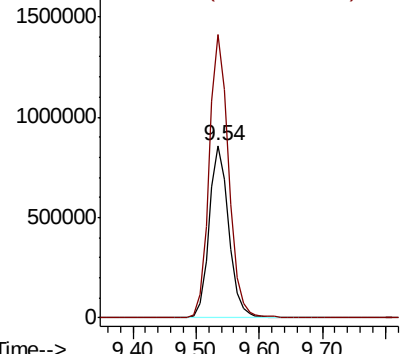
92 100

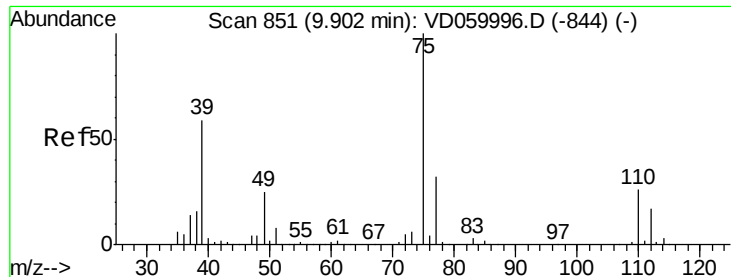
91 164.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

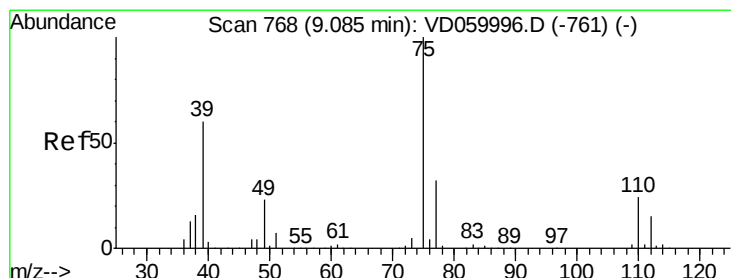
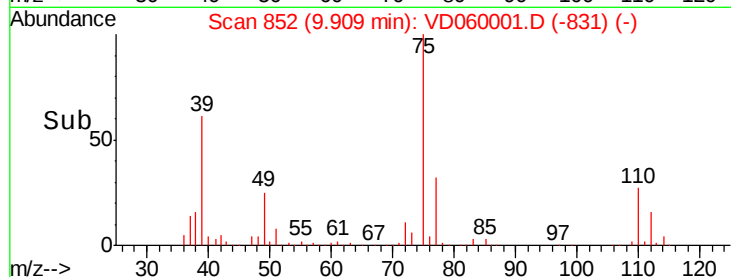
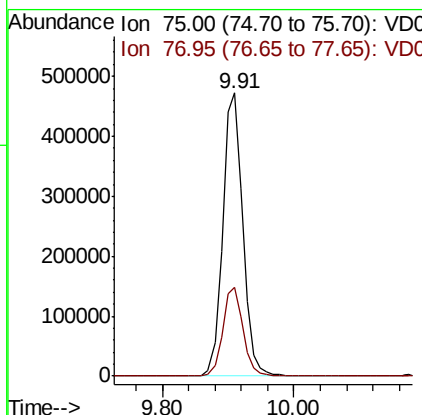
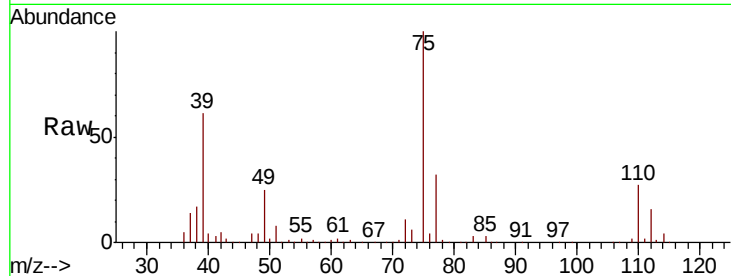




#53
 t-1,3-Dichloropropene
 Concen: 49.91 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

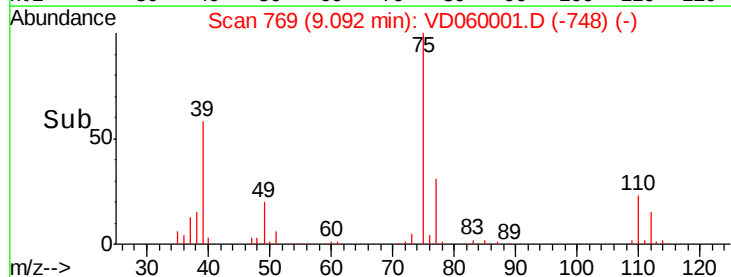
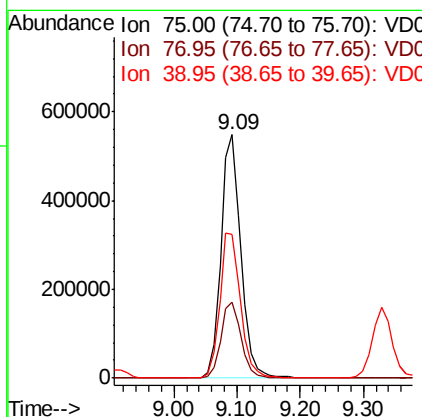
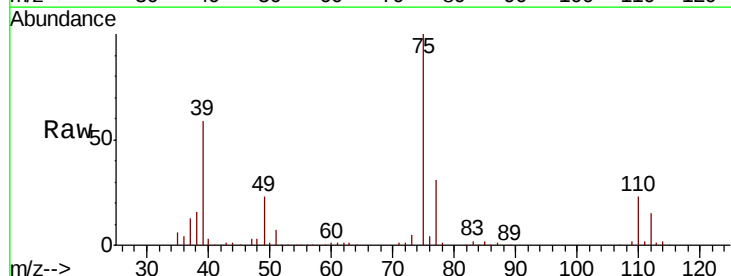
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

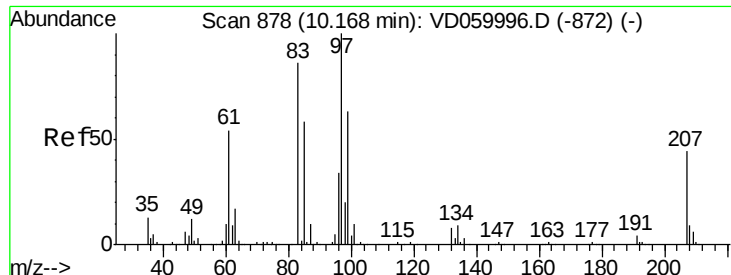
Tot Ion: 75 Resp: 1001001
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 50.28 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 75 Resp: 1204760
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3
 39 58.9 48.0 72.0

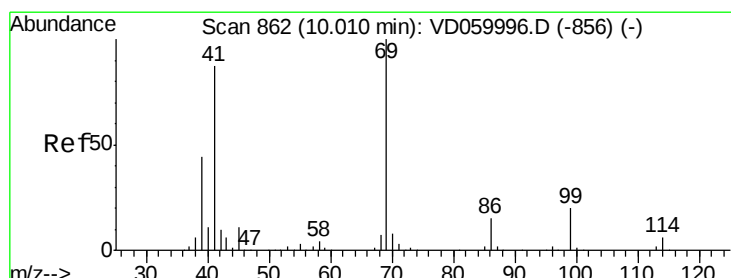
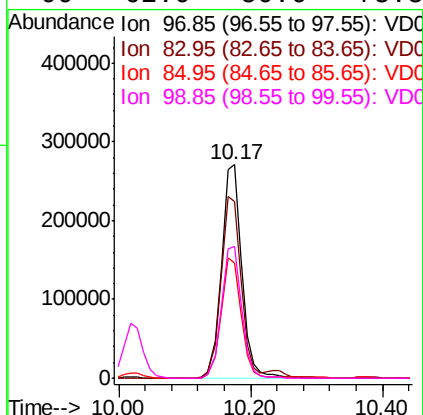
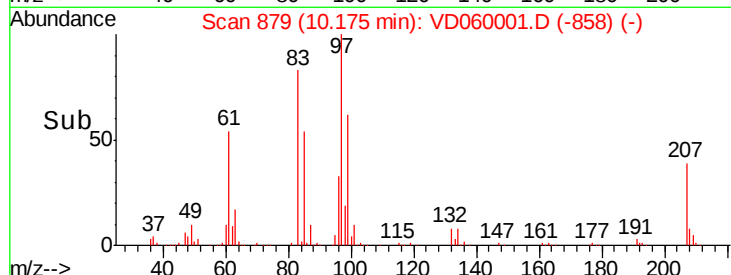
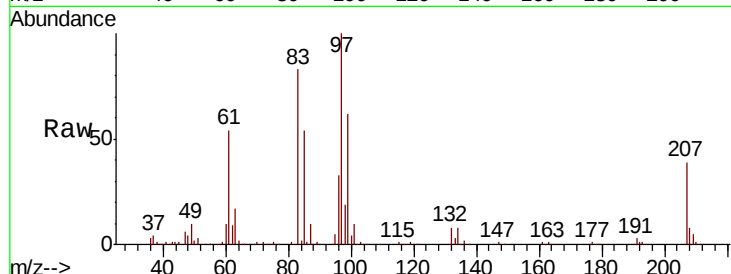




#55
 1,1,2-Trichloroethane
 Concen: 46.03 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

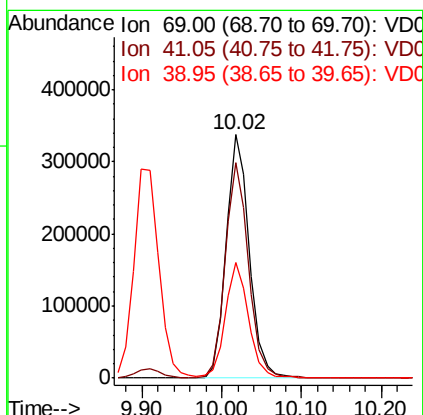
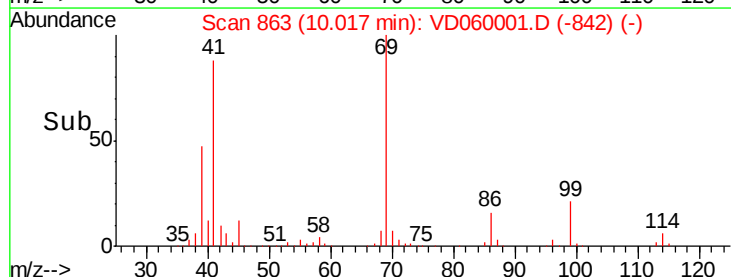
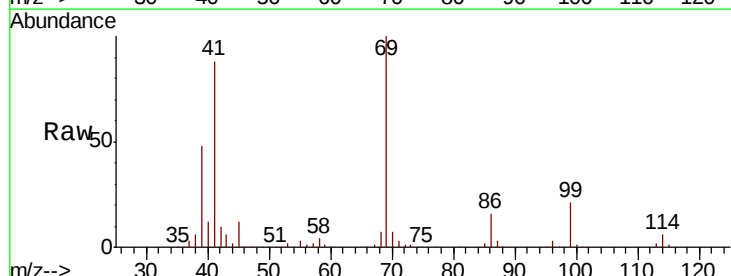
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

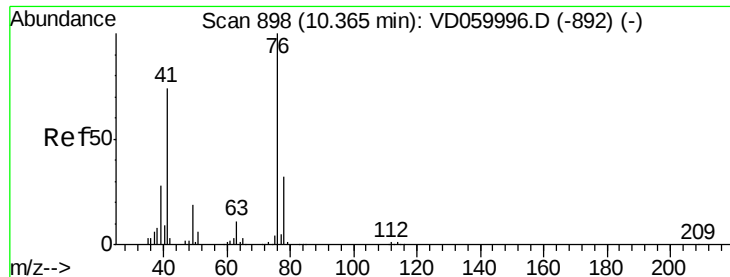
Tot Ion: 97 Resp: 585600
 Ion Ratio Lower Upper
 97 100
 83 82.5 69.1 103.7
 85 54.2 46.2 69.4
 99 62.0 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 48.98 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 69 Resp: 691179
 Ion Ratio Lower Upper
 69 100
 41 88.4 70.1 105.1
 39 47.5 36.5 54.7





#57

1,3-Dichloropropane

Concen: 49.23 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

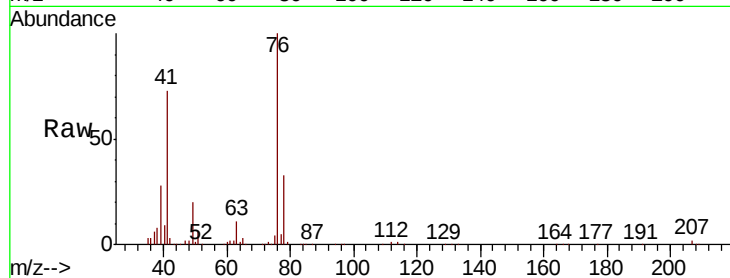
VSTDCCC050

Tot Ion: 76 Resp: 924466

Ion Ratio Lower Upper

76 100

78 33.0 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

500000

400000

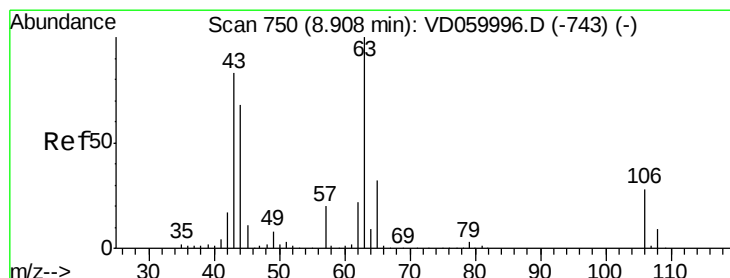
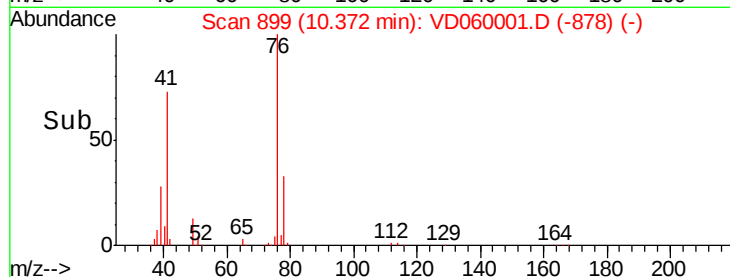
300000

200000

100000

0

Time--> 10.20 10.40 10.60



#58

2-Chloroethyl Vinyl ether

Concen: 244.77 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060001.D

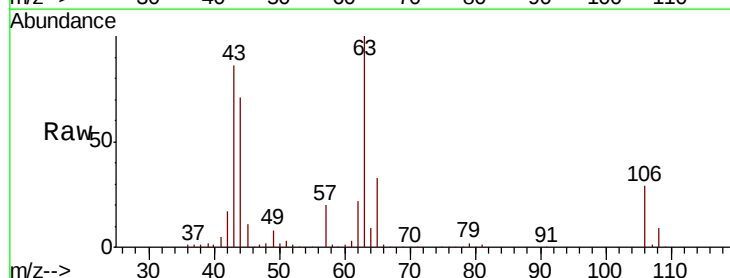
Acq: 14 Sep 2018 10:30

Tgt Ion: 63 Resp: 1667853

Ion Ratio Lower Upper

63 100

106 28.5 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

800000

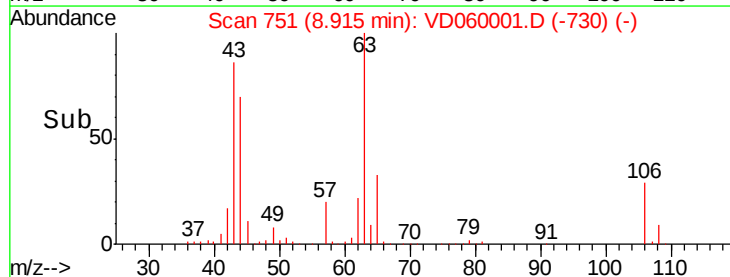
600000

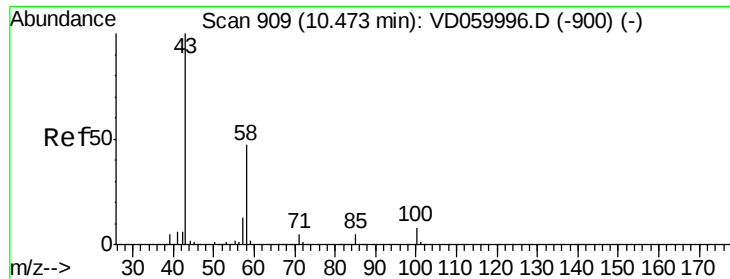
400000

200000

0

Time--> 8.80 8.90 9.00 9.10

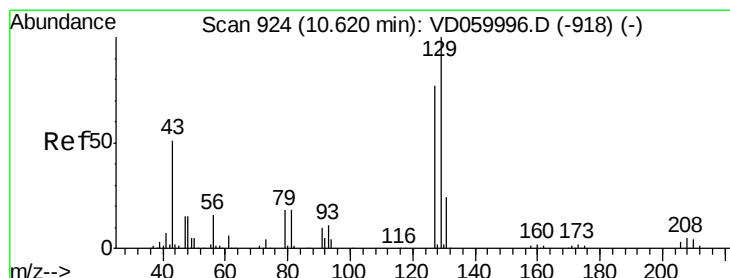
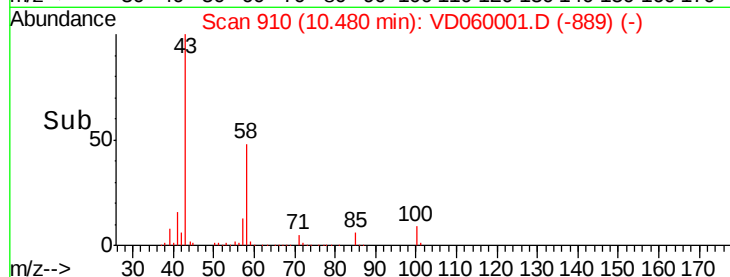
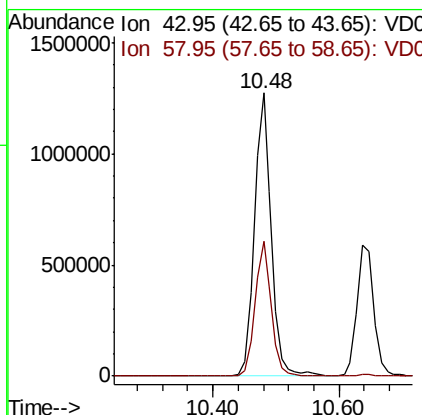
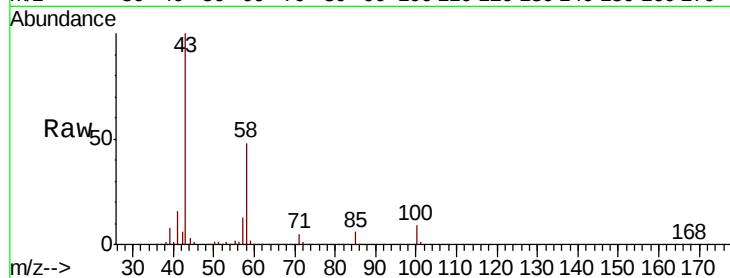




#59
2-Hexanone
Concen: 244.20 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

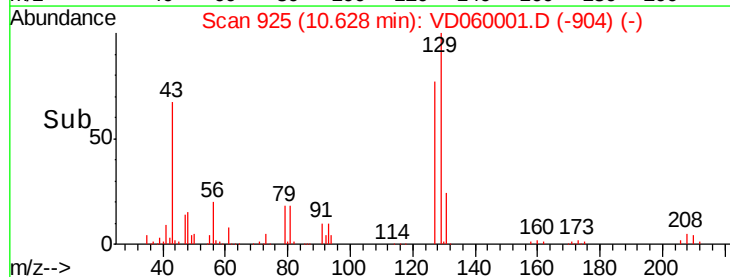
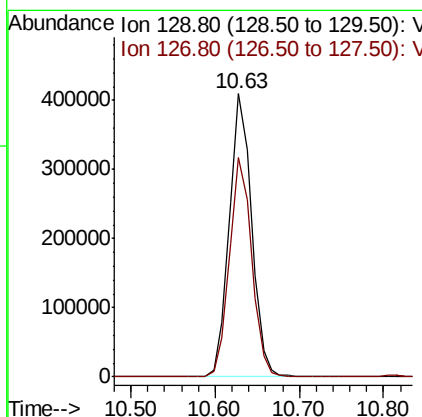
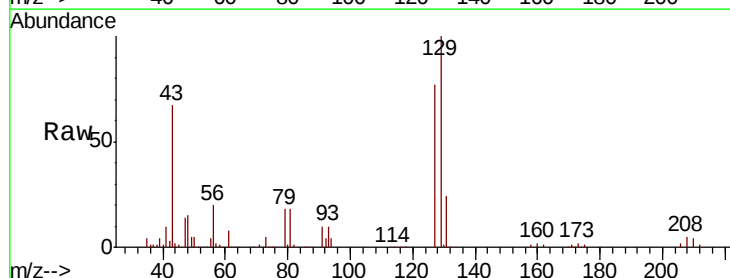
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

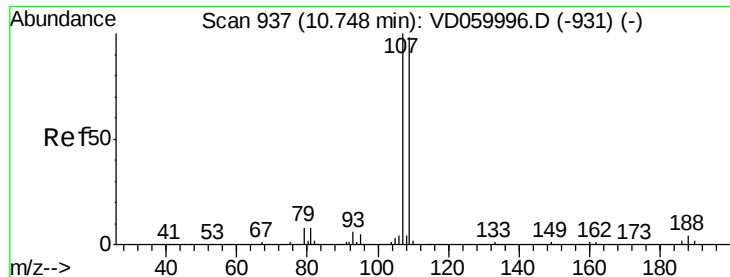
Tot Ion: 43 Resp: 2379490
Ion Ratio Lower Upper
43 100
58 47.5 23.4 70.0



#60
Dibromochloromethane
Concen: 49.05 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 129 Resp: 759503
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.38 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

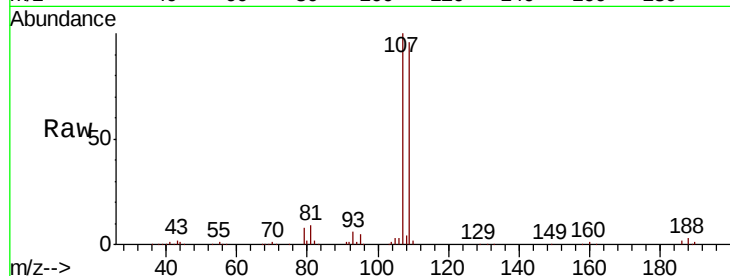
VSTDCCC050

Tot Ion:107 Resp: 648563

Ion Ratio Lower Upper

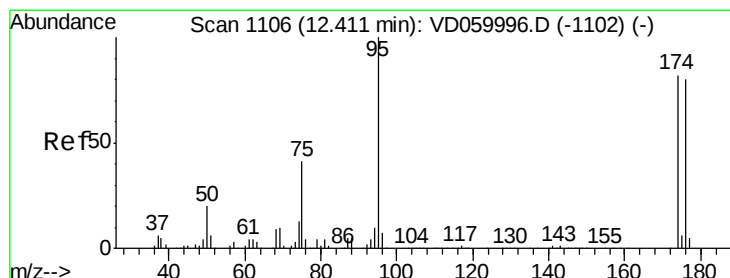
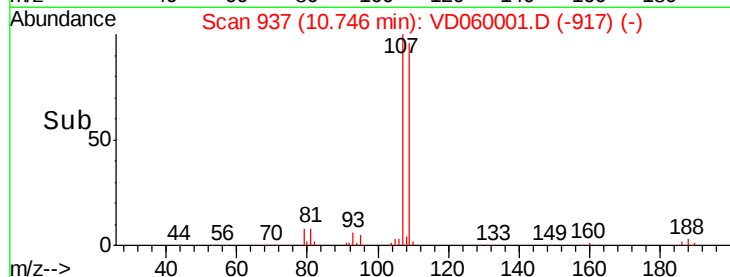
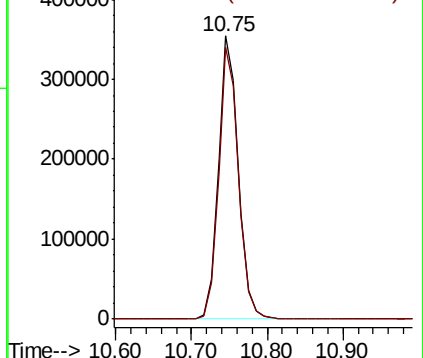
107 100

109 95.9 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 49.38 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

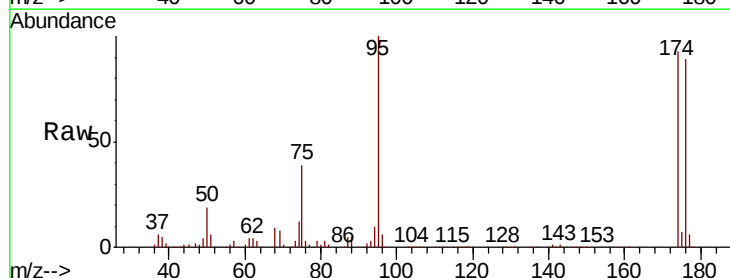
Tgt Ion: 95 Resp: 1007623

Ion Ratio Lower Upper

95 100

174 92.9 0.0 165.0

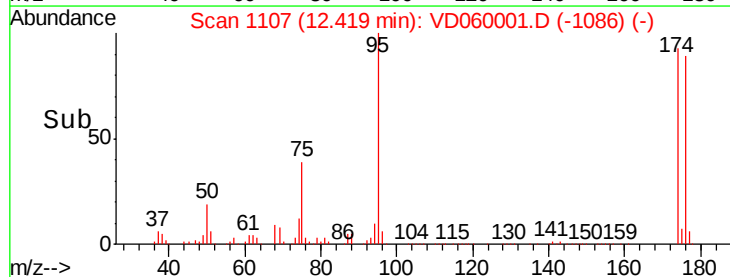
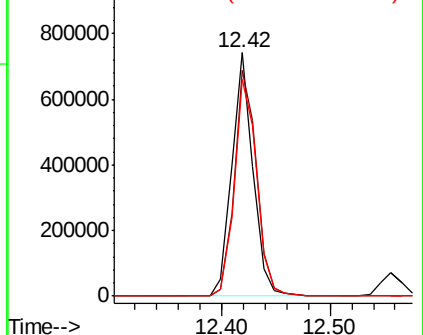
176 88.8 0.0 160.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

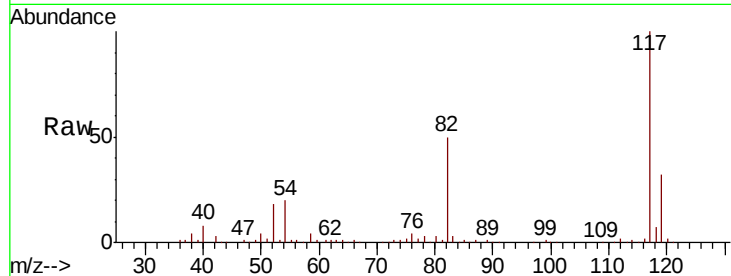




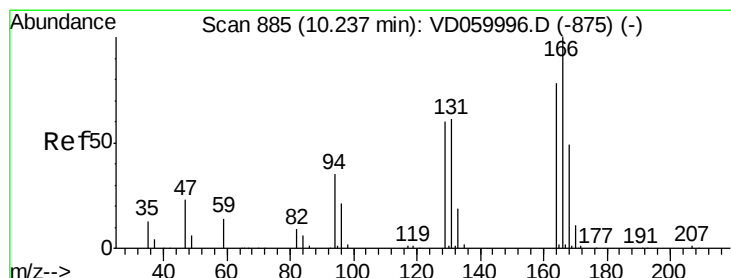
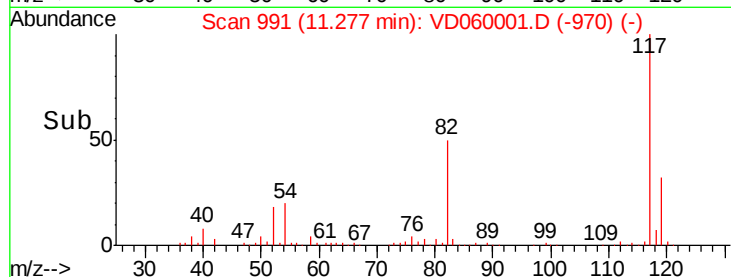
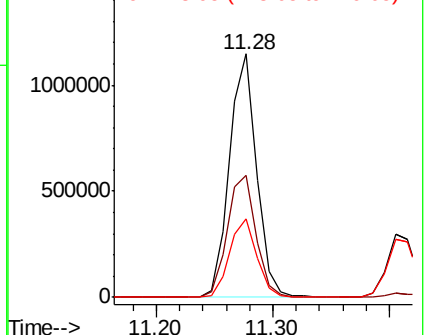
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1850411
Ion Ratio Lower Upper
117 100
82 50.2 41.7 62.5
119 32.2 26.0 39.0

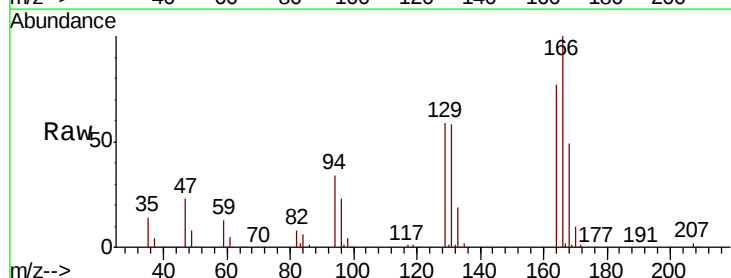


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

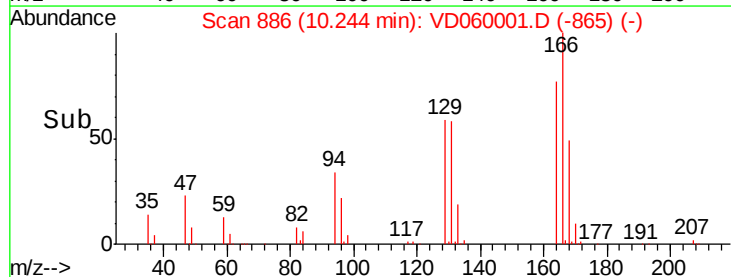
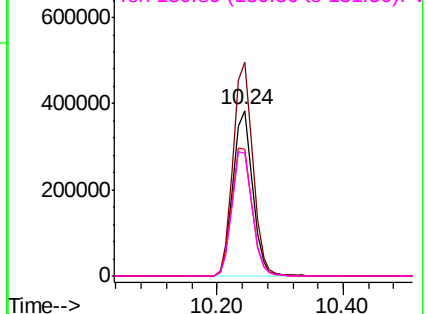


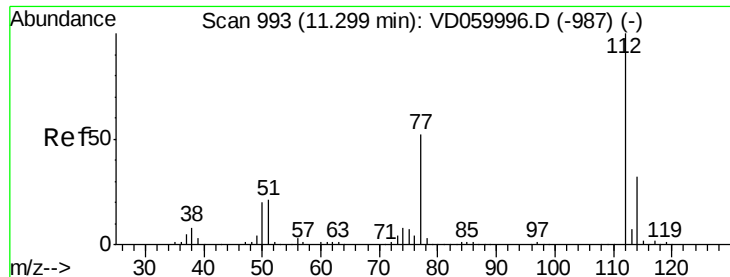
#64
Tetrachloroethene
Concen: 50.27 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion:164 Resp: 820785
Ion Ratio Lower Upper
164 100
166 129.2 103.0 154.6
129 76.4 61.9 92.9
131 74.6 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: 50.21 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

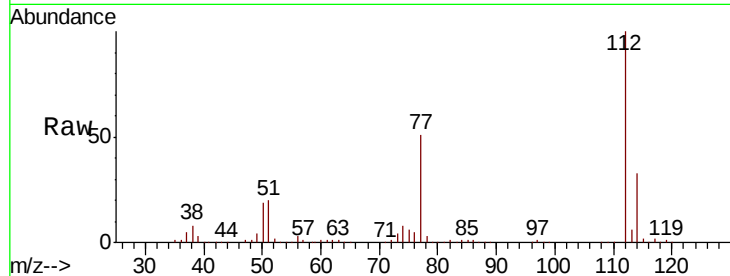
VSTDCCC050

Tot Ion:112 Resp: 1997632

Ion Ratio Lower Upper

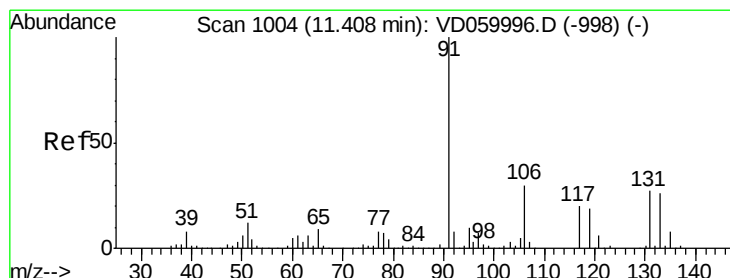
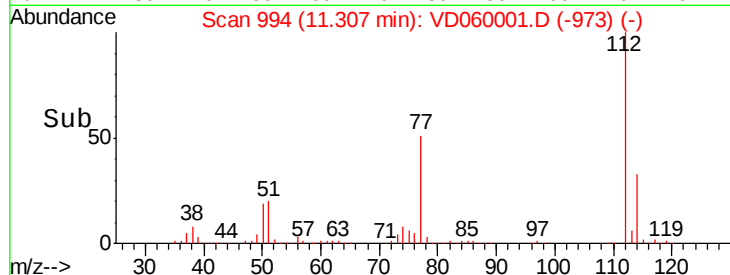
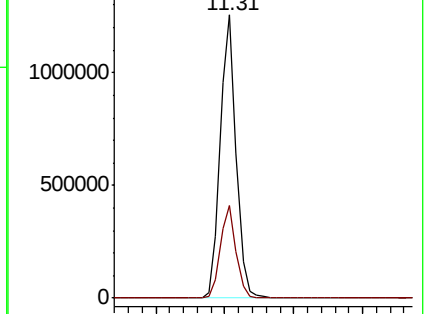
112 100

114 32.6 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.03 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. -0.00 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

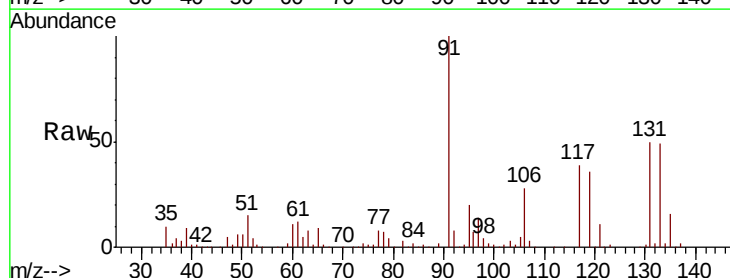
Tgt Ion:131 Resp: 684777

Ion Ratio Lower Upper

131 100

133 97.9 47.4 142.3

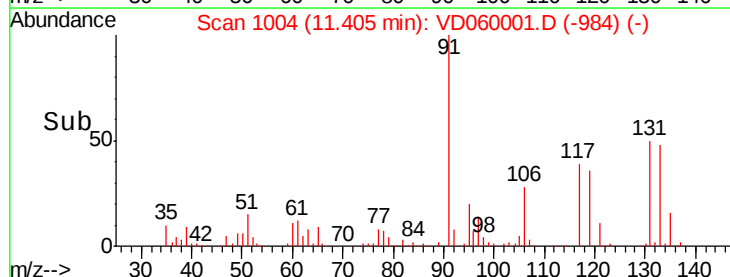
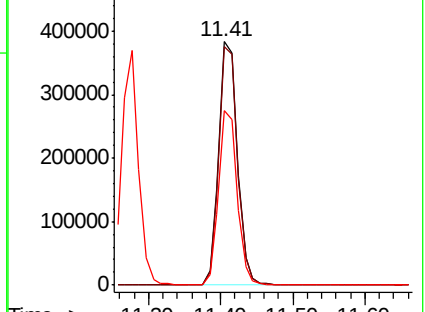
119 71.6 35.6 106.9



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

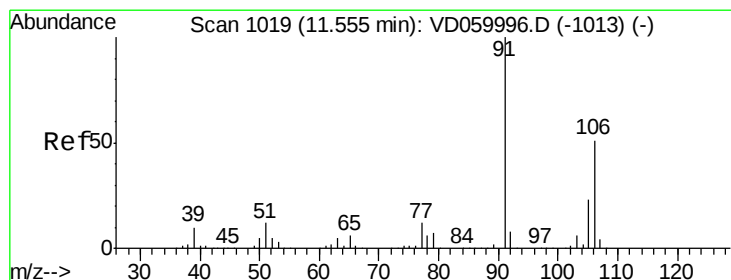
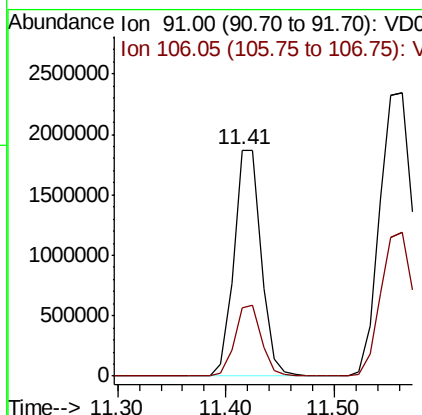
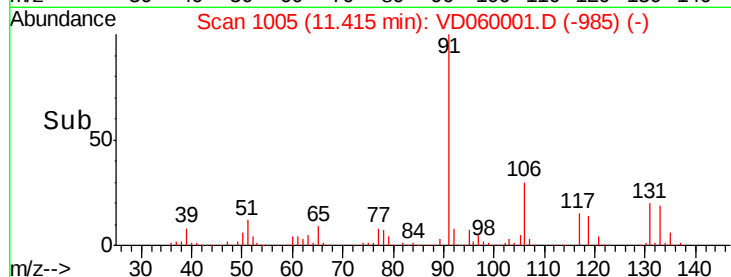
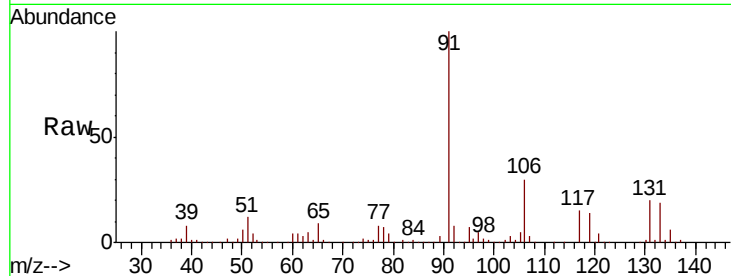




#67
Ethyl Benzene
Concen: 51.00 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

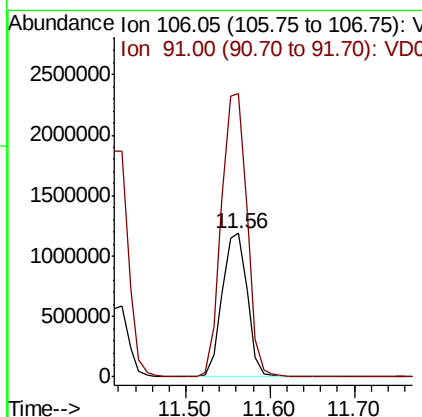
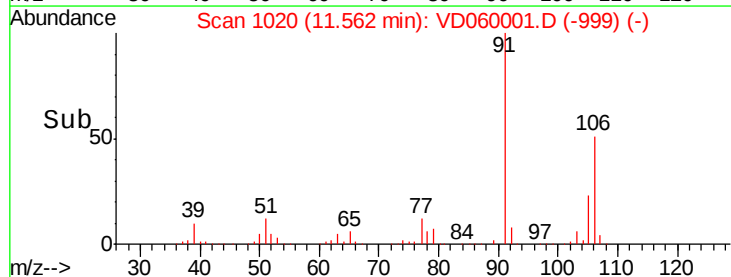
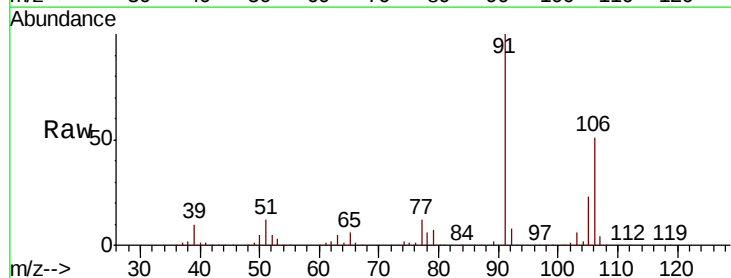
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

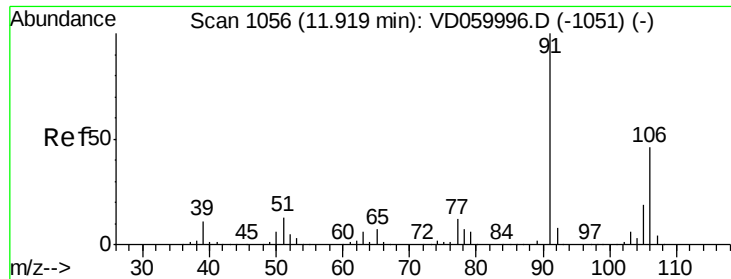
Tot Ion: 91 Resp: 3265352
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2



#68
m/p-Xylenes
Concen: 103.31 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 106 Resp: 2442644
Ion Ratio Lower Upper
106 100
91 197.5 157.0 235.6

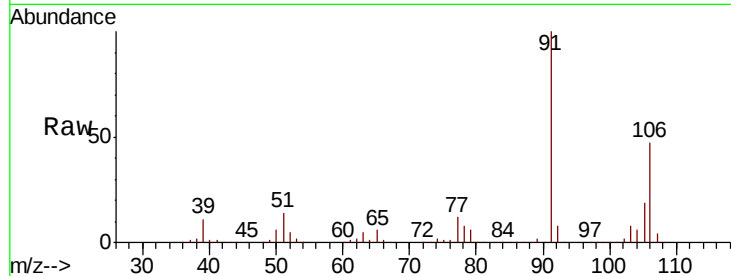




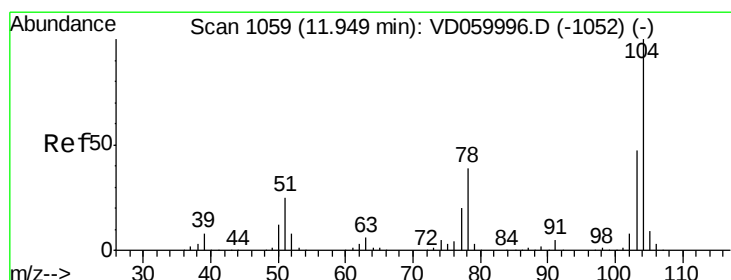
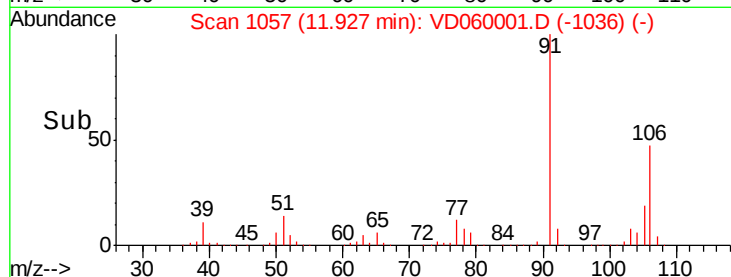
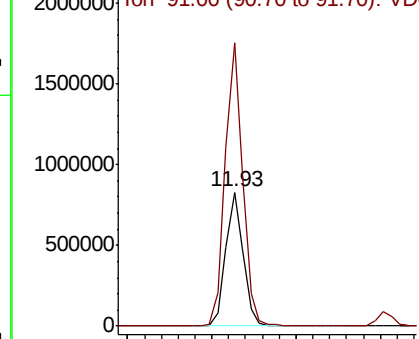
#69
o-Xylene
Concen: 51.02 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1195307
Ion Ratio Lower Upper
106 100
91 211.6 107.7 323.1

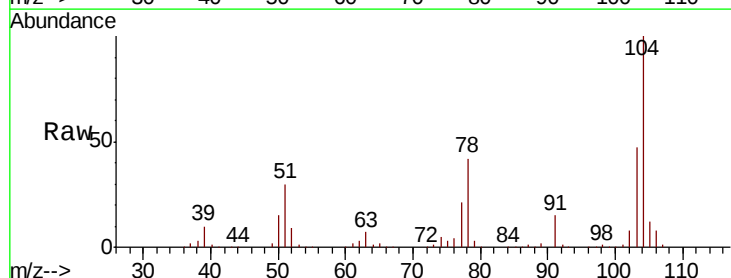


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

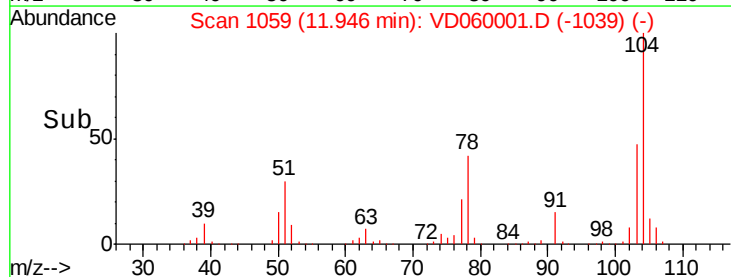
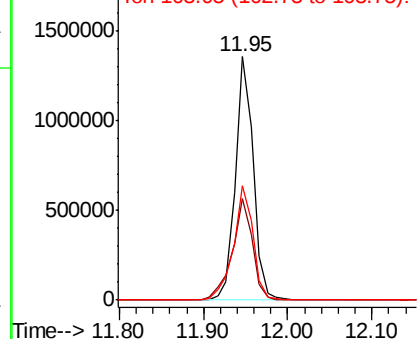


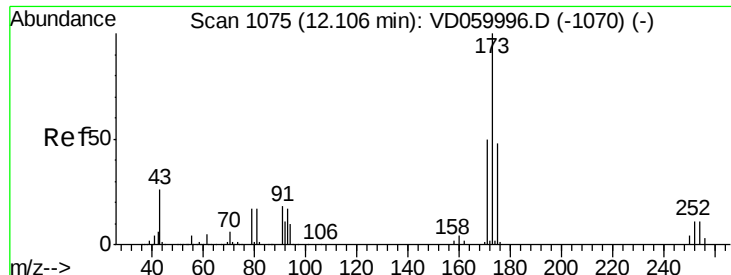
#70
Styrene
Concen: 50.52 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion:104 Resp: 1990029
Ion Ratio Lower Upper
104 100
78 41.7 31.0 46.4
103 47.0 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

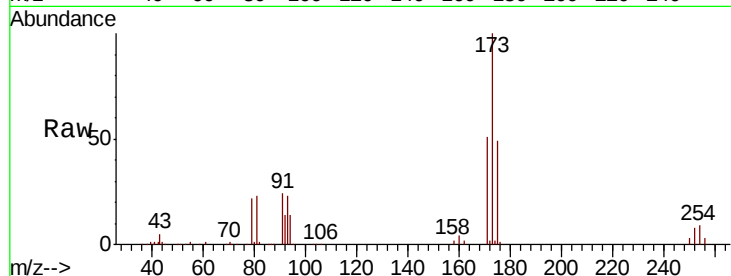




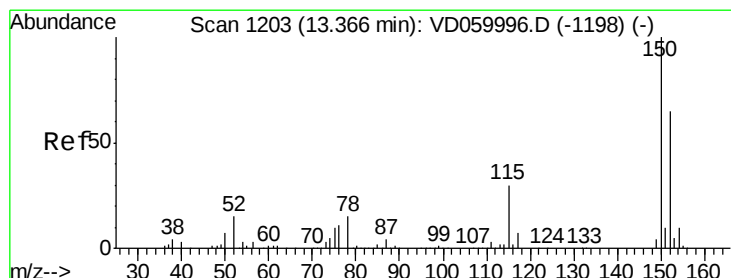
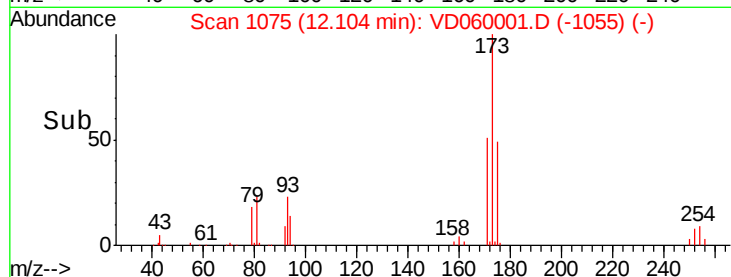
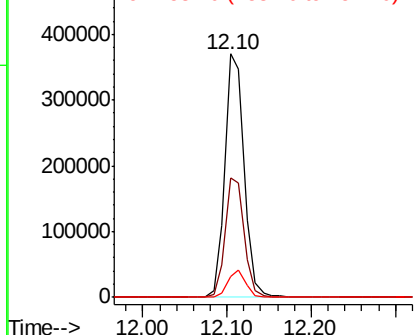
#71
Bromoform
Concen: 50.81 ug/l
RT: 12.10 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 585704
Ion Ratio Lower Upper
173 100
175 49.2 24.0 72.0
254 8.7 8.6 13.0

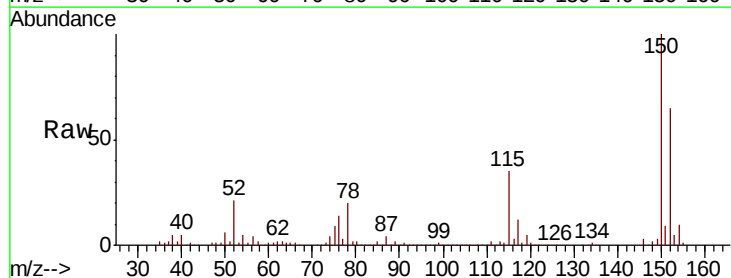


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

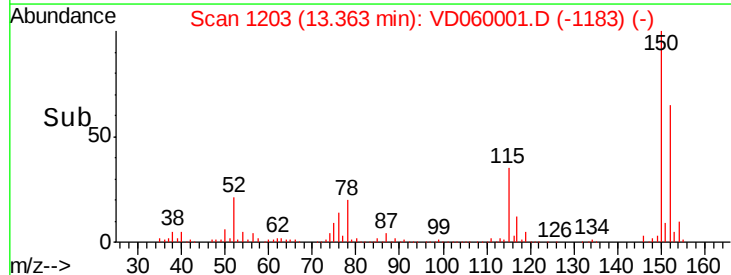
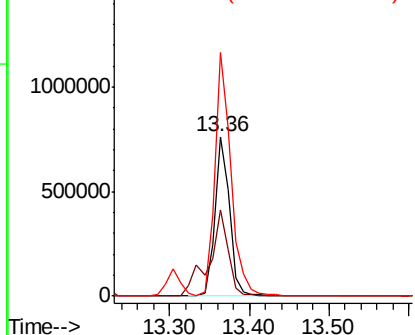


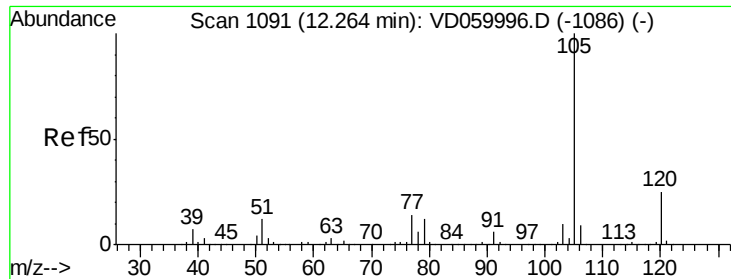
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion:152 Resp: 984421
Ion Ratio Lower Upper
152 100
115 54.0 24.6 73.8
150 153.0 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: 49.93 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

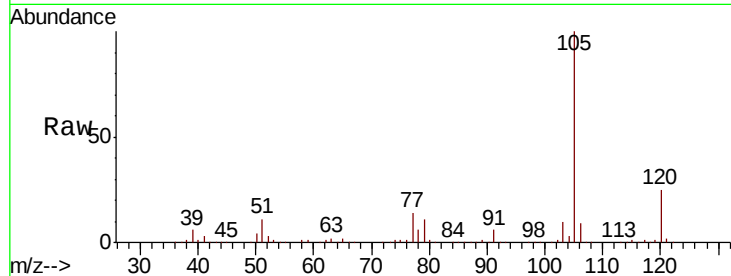
VSTDCCC050

Tot Ion:105 Resp: 3223364

Ion Ratio Lower Upper

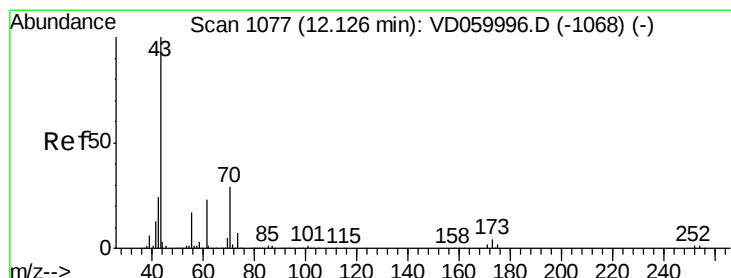
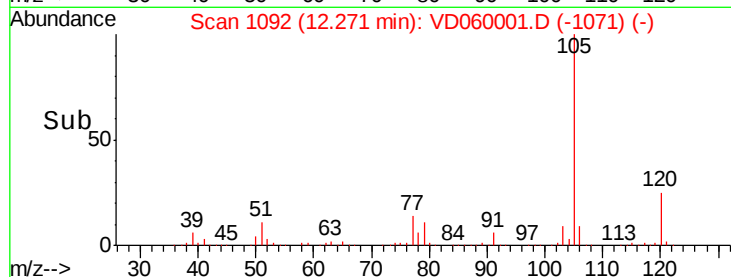
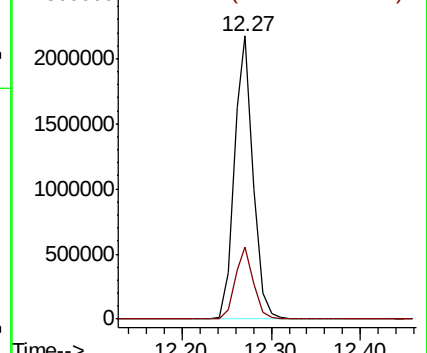
105 100

120 25.4 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.25 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Tgt Ion: 43 Resp: 1259393

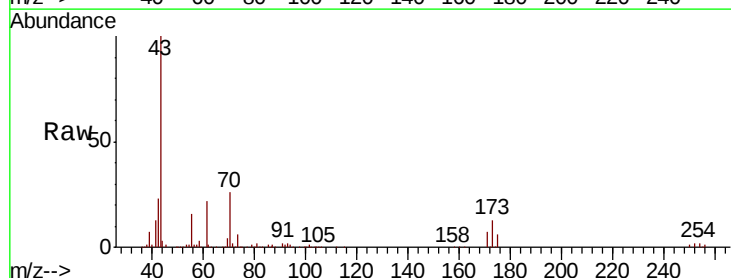
Ion Ratio Lower Upper

43 100

70 26.1 22.9 34.3

55 16.5 14.0 21.0

61 22.1 18.7 28.1

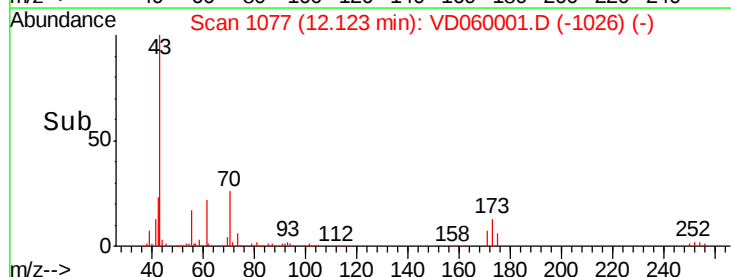
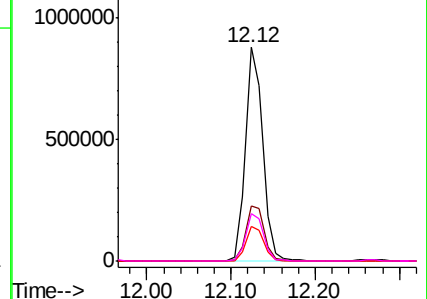


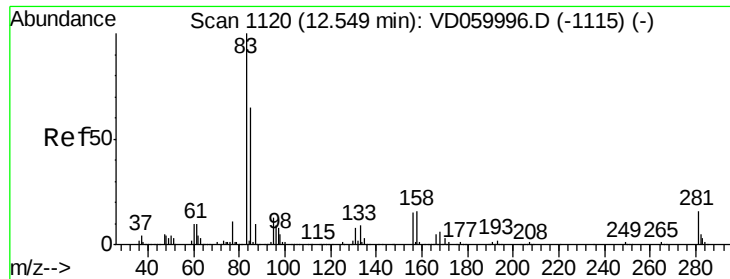
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 49.20 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

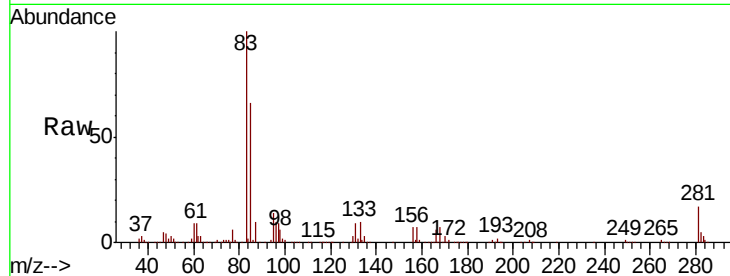
Tot Ion: 83 Resp: 720576

Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.1	12.3
85	65.5	32.4	97.2

83 100

131 8.8 4.1 12.3

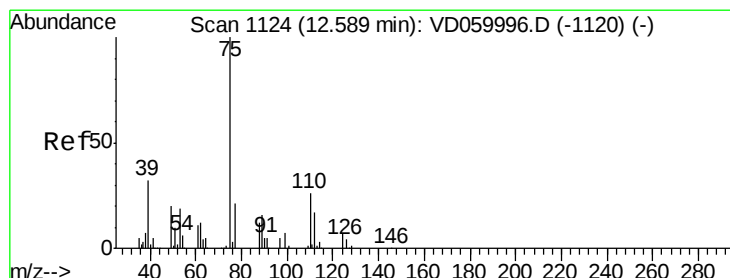
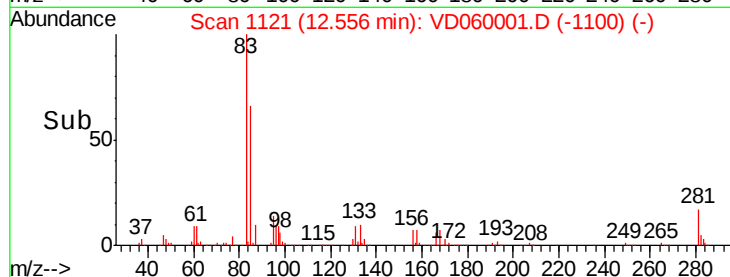
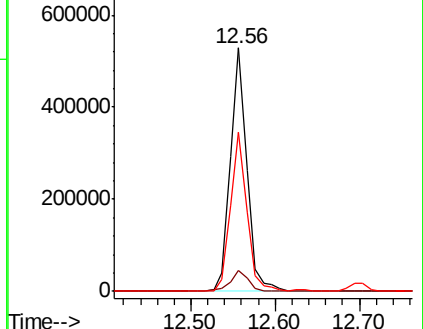
85 65.5 32.4 97.2



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: 48.53 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VD060001.D

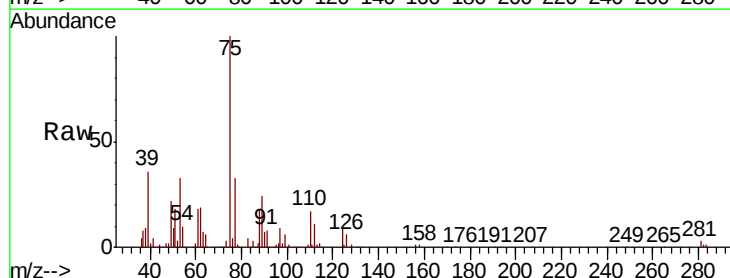
Acq: 14 Sep 2018 10:30

Tgt Ion: 75 Resp: 729657

Ion	Ratio	Lower	Upper
75	100		
77	32.8	16.4	49.4

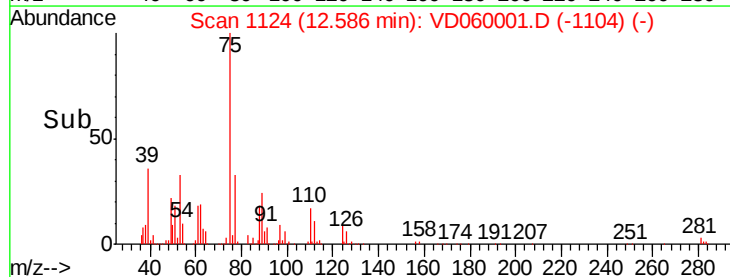
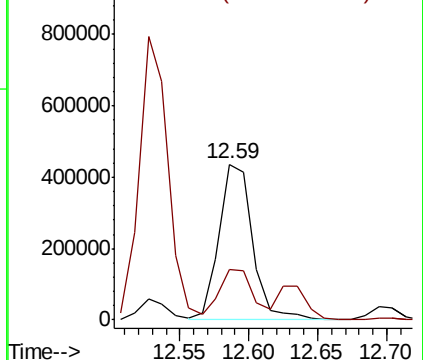
75 100

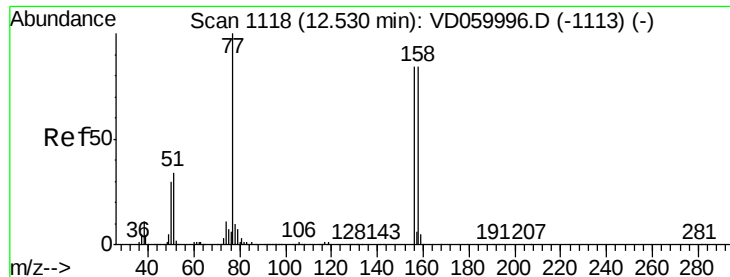
77 32.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.93 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

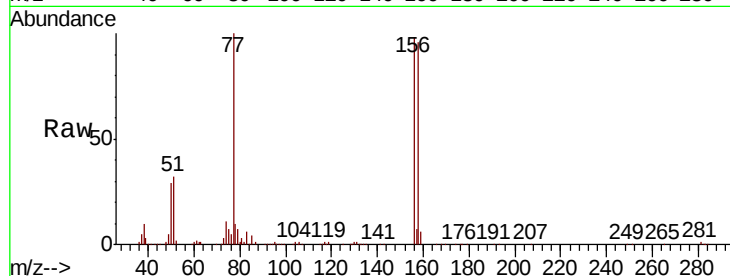
Tot Ion:156 Resp: 947217

Ion Ratio Lower Upper

156 100

77 102.2 59.5 178.4

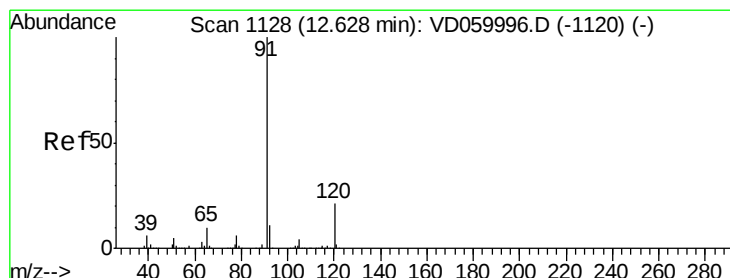
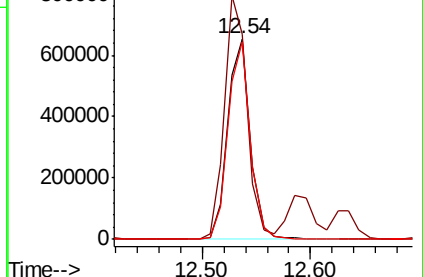
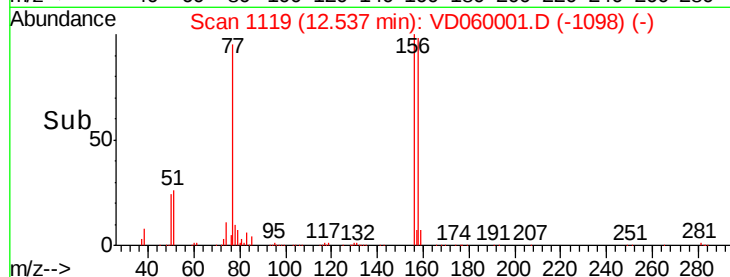
158 98.2 50.0 149.8



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: 50.77 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060001.D

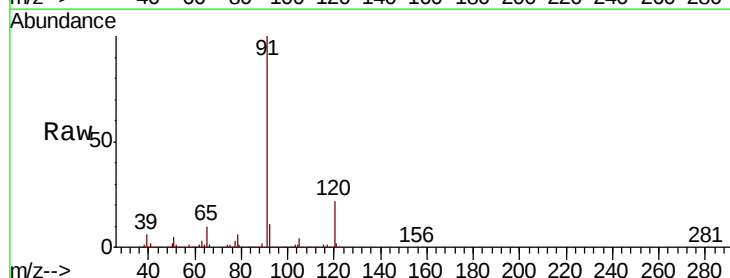
Acq: 14 Sep 2018 10:30

Tgt Ion: 91 Resp: 4121663

Ion Ratio Lower Upper

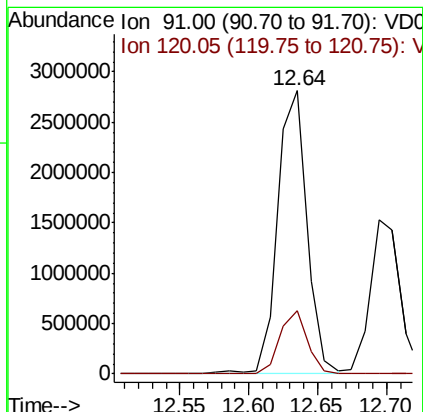
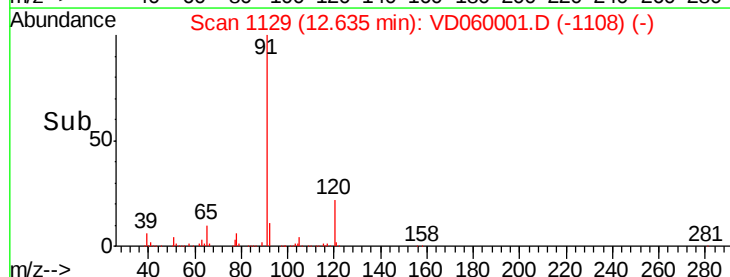
91 100

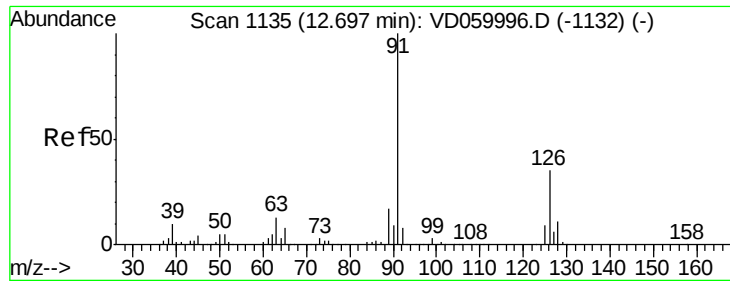
120 22.3 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

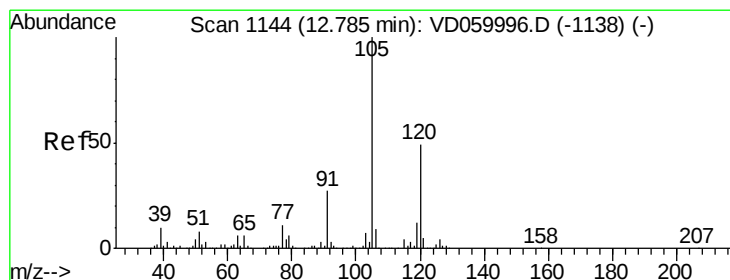
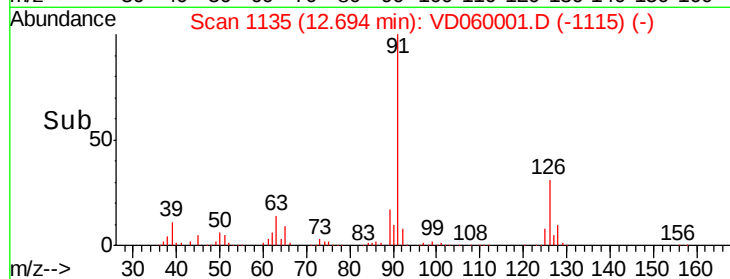
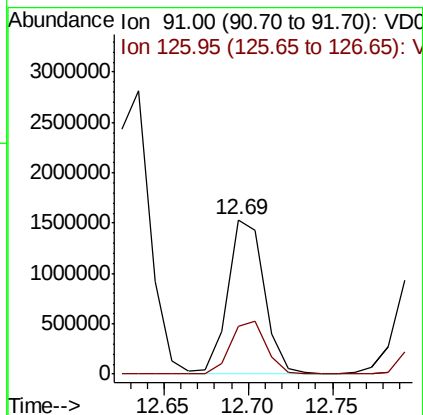
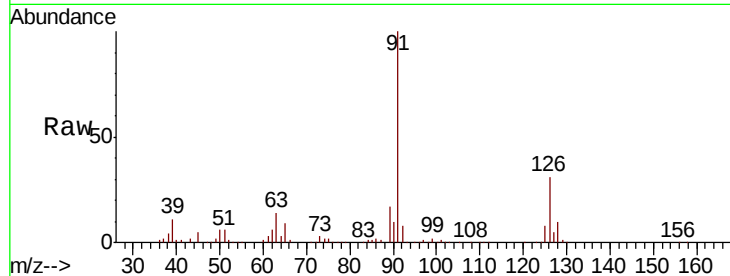




#79
 2-Chlorotoluene
 Concen: 50.34 ug/l
 RT: 12.69 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

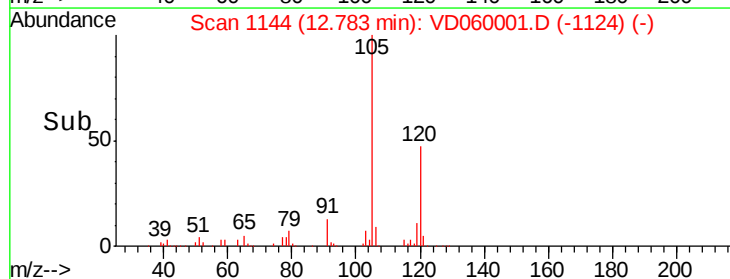
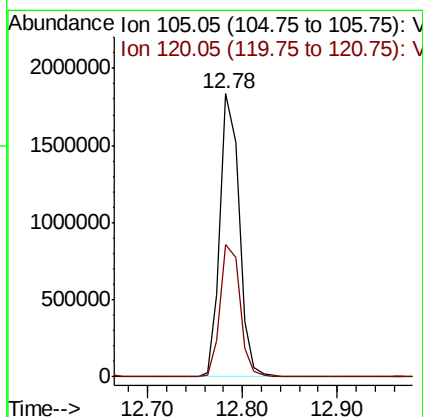
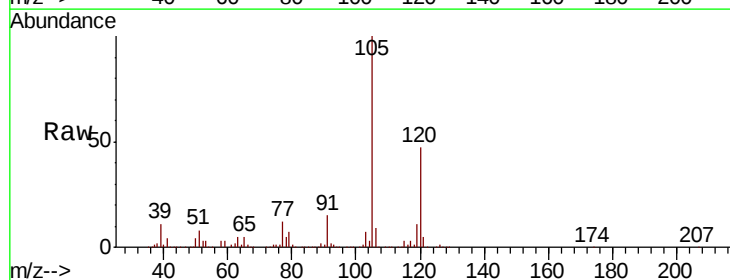
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

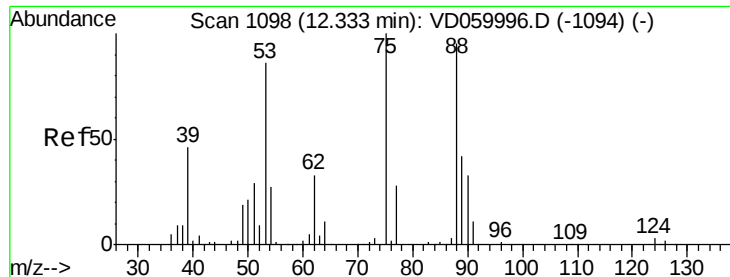
Tot Ion: 91 Resp: 2306972
 Ion Ratio Lower Upper
 91 100
 126 31.2 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 52.11 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion:105 Resp: 2578529
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.33 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

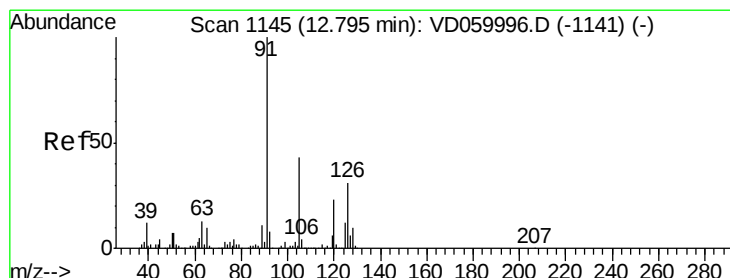
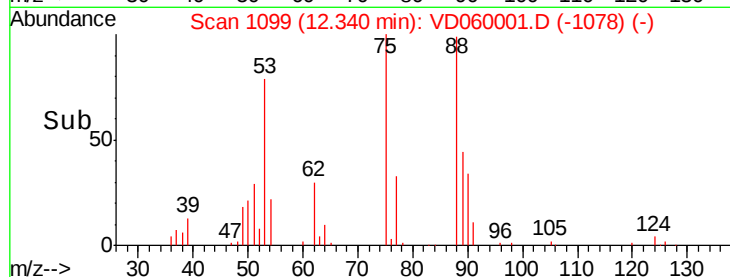
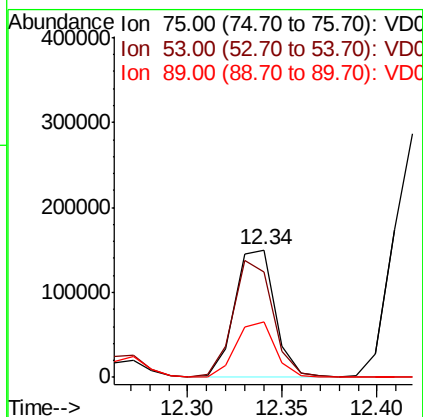
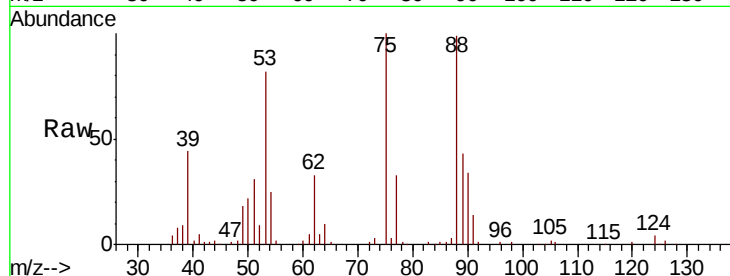
Tot Ion: 75 Resp: 219354

Ion Ratio Lower Upper

75 100

53 82.3 68.4 102.6

89 43.4 33.8 50.6



#82

4-Chlorotoluene

Concen: 50.46 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060001.D

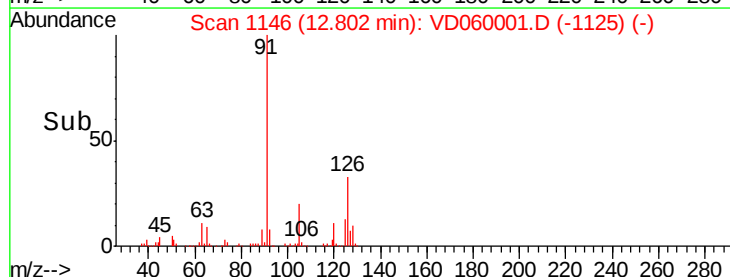
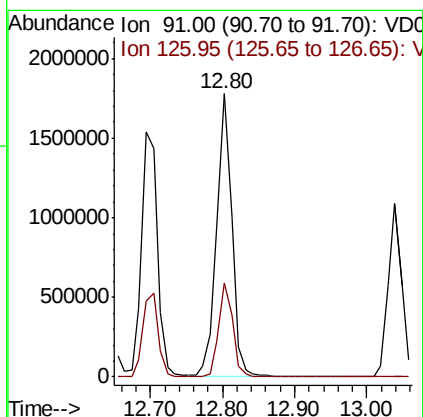
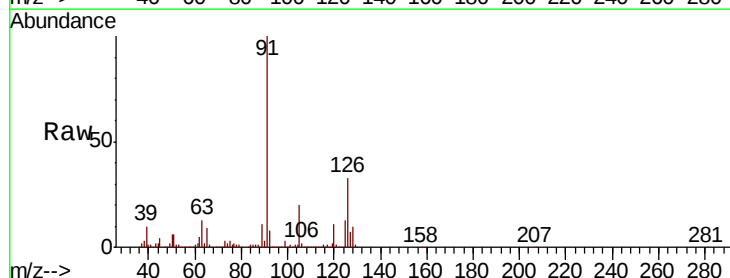
Acq: 14 Sep 2018 10:30

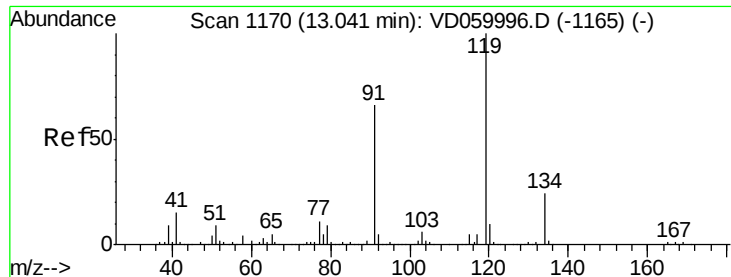
Tgt Ion: 91 Resp: 2542333

Ion Ratio Lower Upper

91 100

126 33.0 15.4 46.1

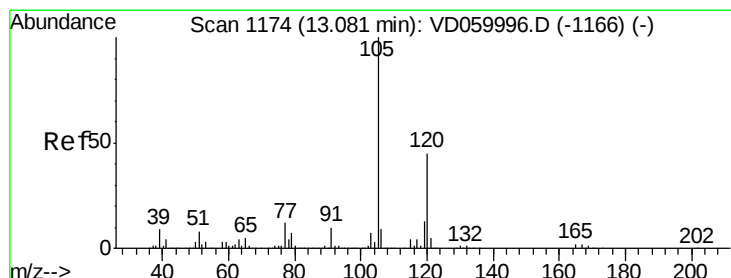
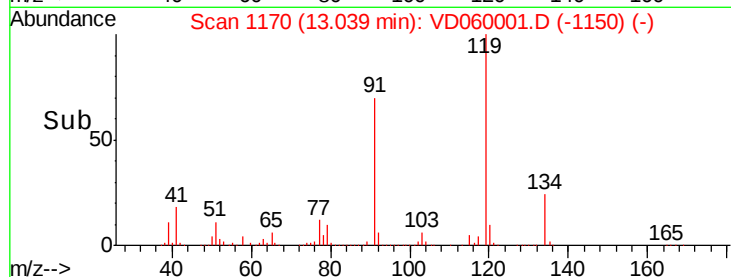
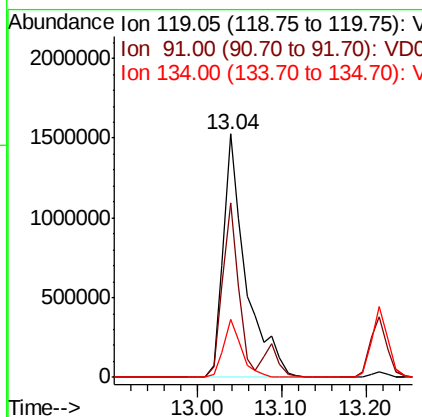
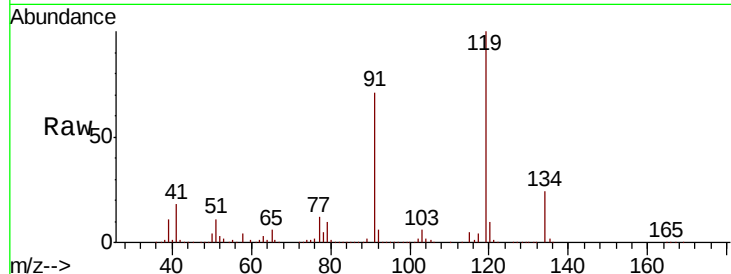




#83
 tert-Butylbenzene
 Concen: 49.84 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

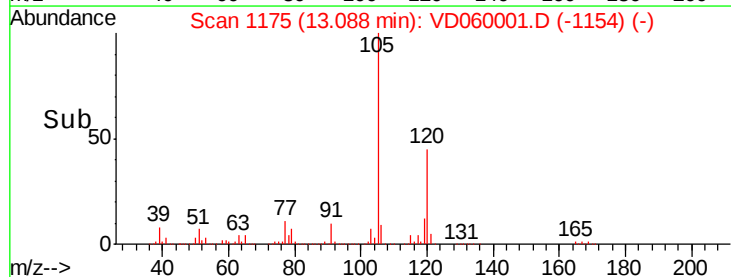
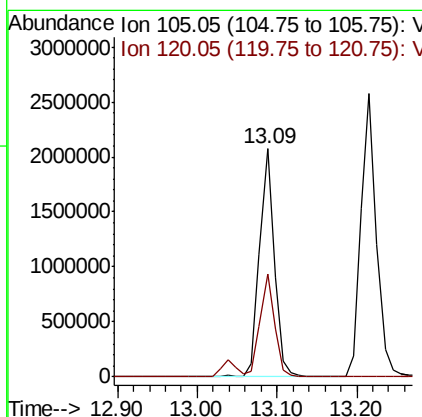
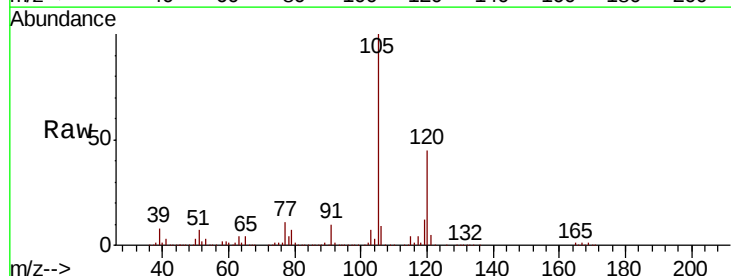
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

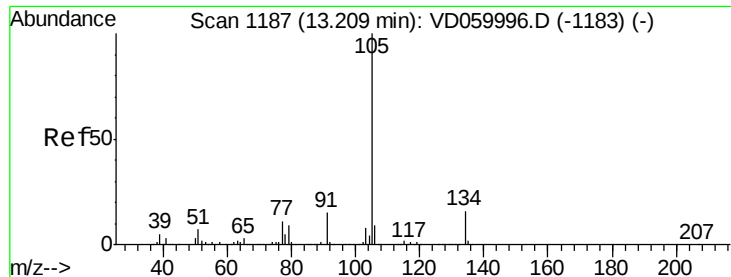
Tot Ion:119 Resp: 2857277
 Ion Ratio Lower Upper
 119 100
 91 71.5 32.9 98.6
 134 23.7 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.59 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion:105 Resp: 2618891
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.0

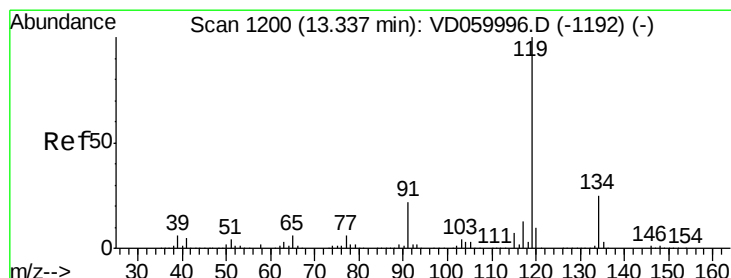
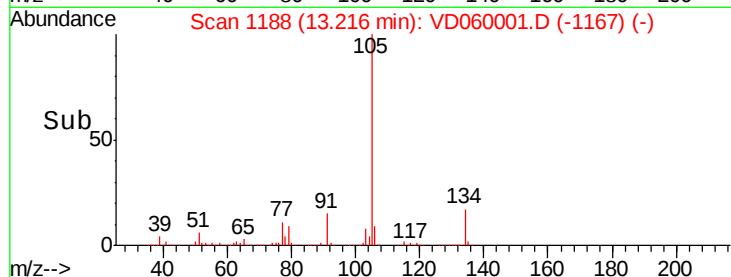
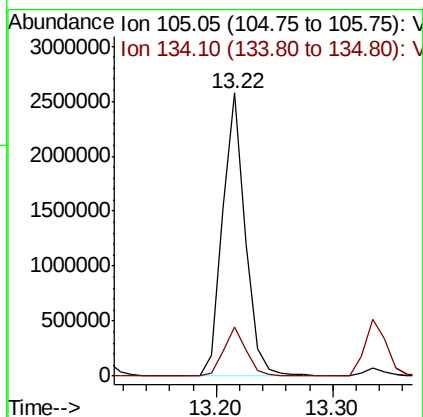
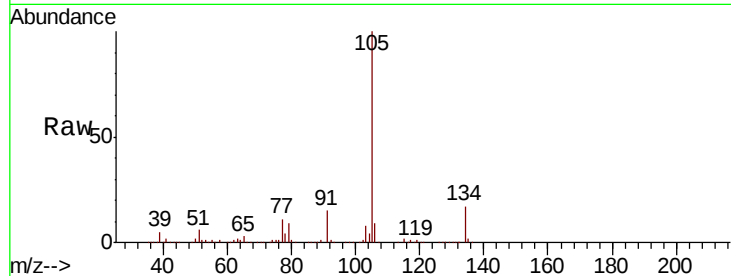




#85
 sec-Butylbenzene
 Concen: 50.70 ug/l
 RT: 13.22 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

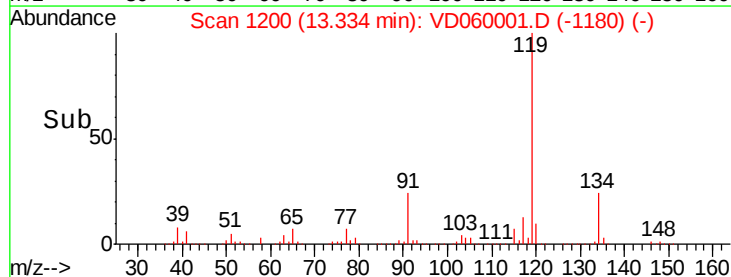
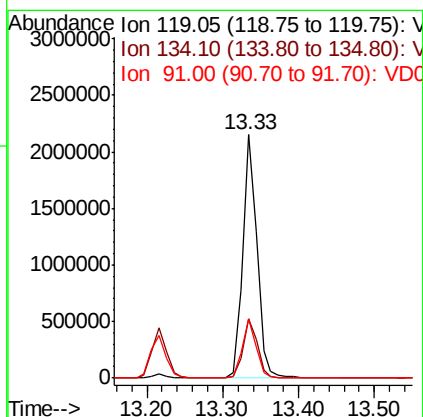
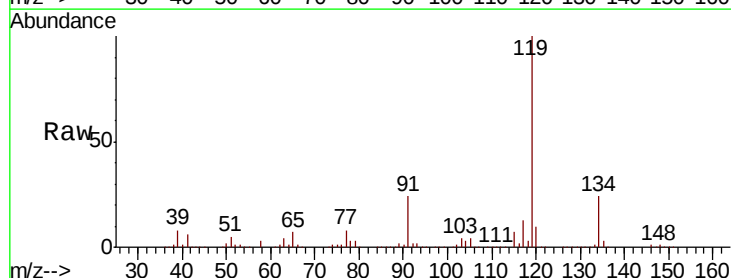
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

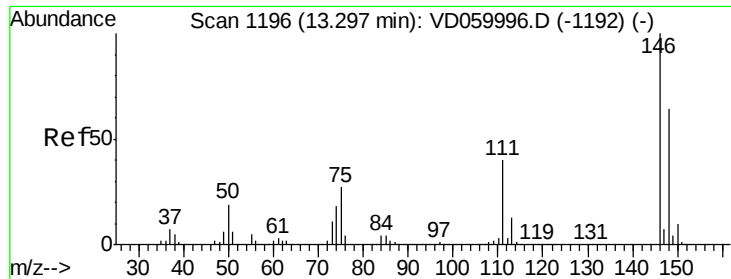
Tot Ion:105 Resp: 3450563
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 49.69 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion:119 Resp: 2734943
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.8 38.3
 91 24.4 11.1 33.3

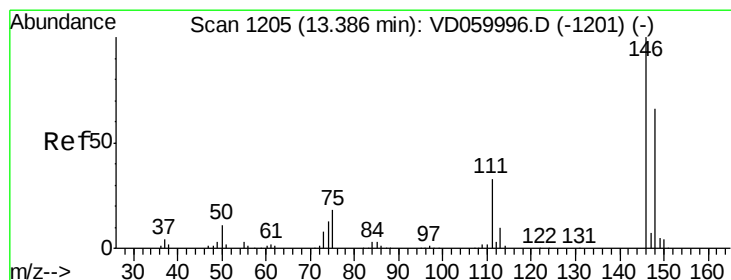
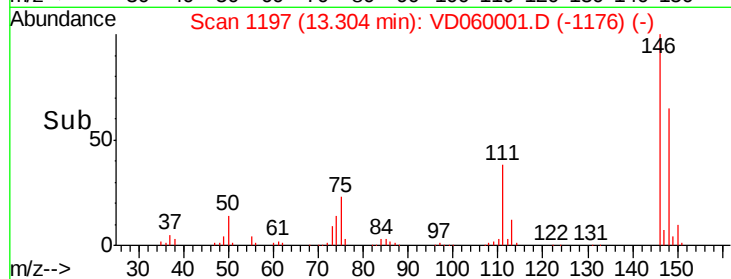
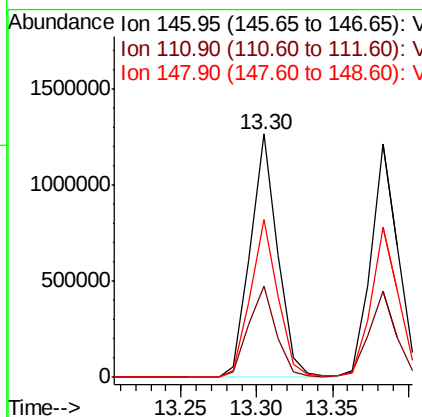
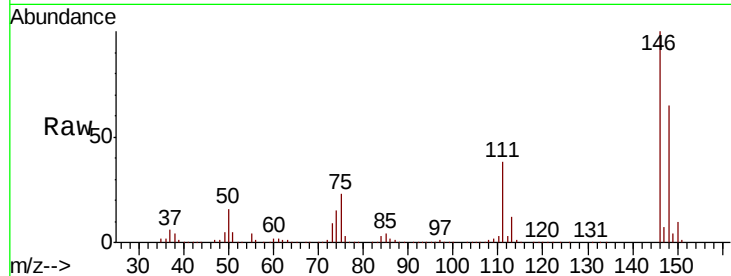




#87
 1,3-Dichlorobenzene
 Concen: 49.50 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

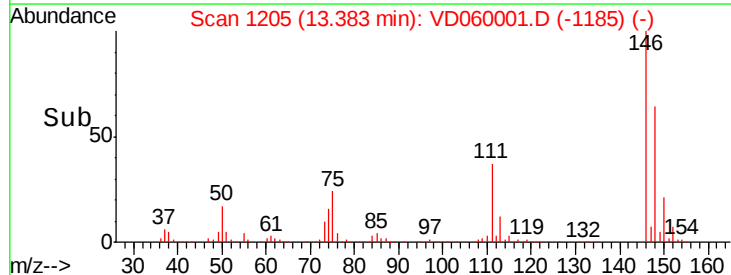
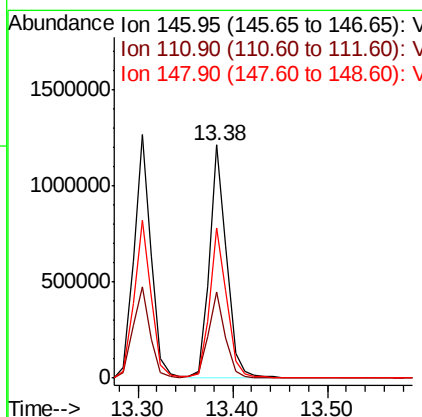
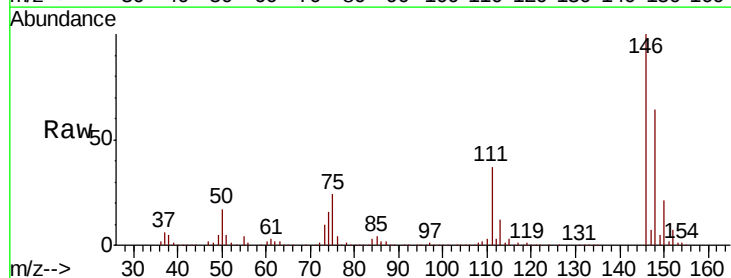
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

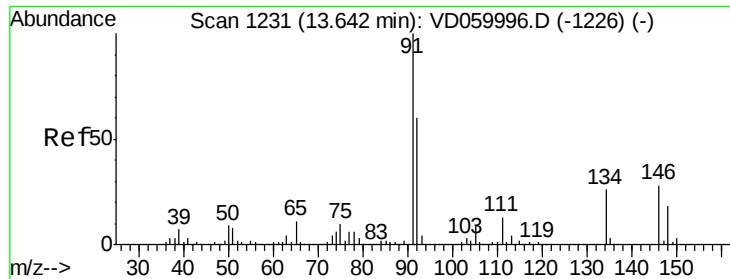
Tot Ion:146 Resp: 1601027
 Ion Ratio Lower Upper
 146 100
 111 37.5 20.2 60.5
 148 64.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.11 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion:146 Resp: 1545519
 Ion Ratio Lower Upper
 146 100
 111 36.9 16.7 50.0
 148 64.5 32.9 98.6

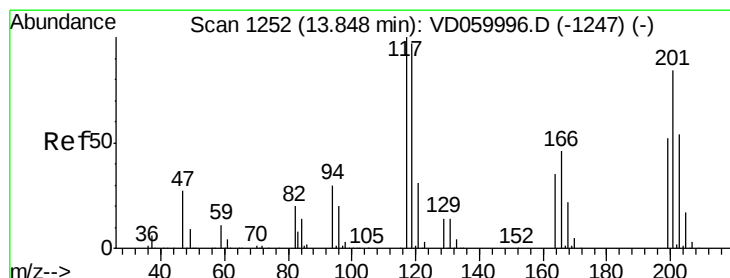
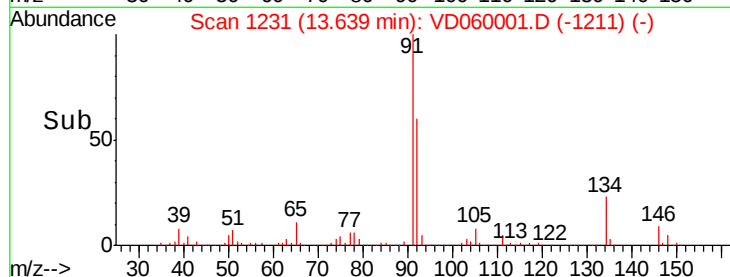
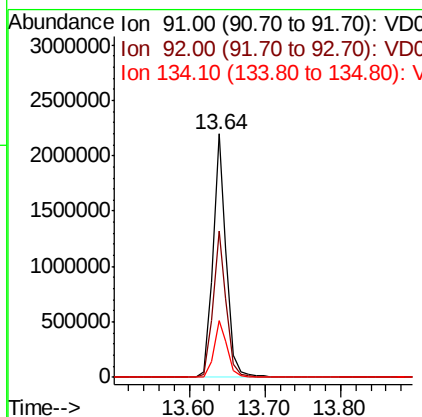
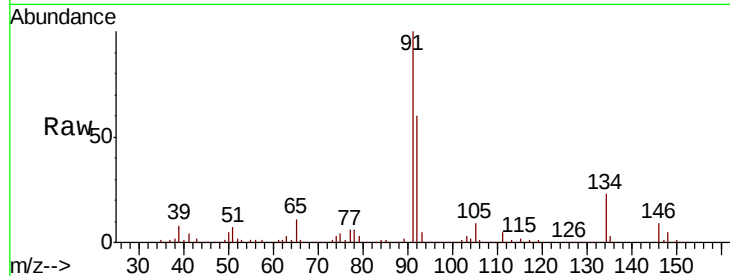




#89
n-Butylbenzene
Concen: 53.26 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

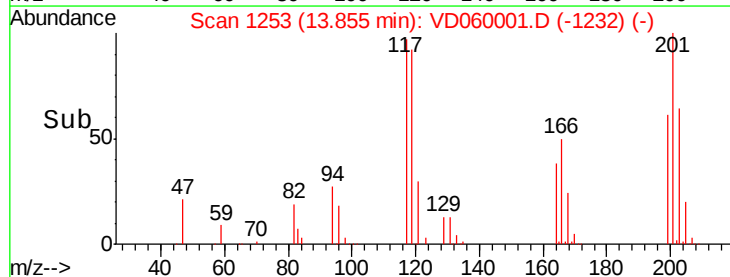
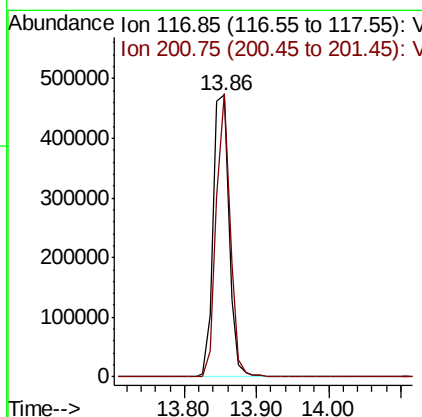
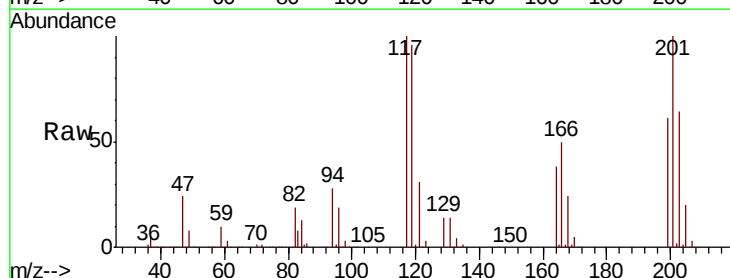
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

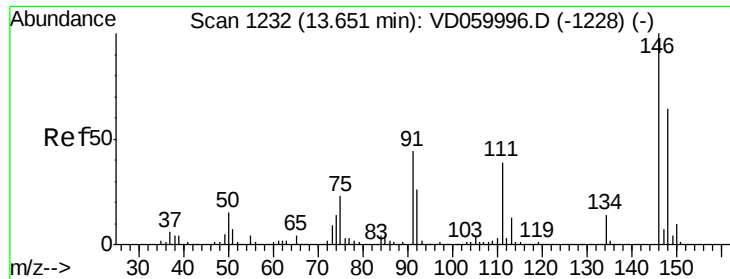
Tot Ion: 91 Resp: 2714894
Ion Ratio Lower Upper
91 100
92 60.2 29.8 89.3
134 23.4 13.2 39.6



#90
Hexachloroethane
Concen: 52.65 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion: 117 Resp: 717816
Ion Ratio Lower Upper
117 100
201 100.5 42.1 126.4

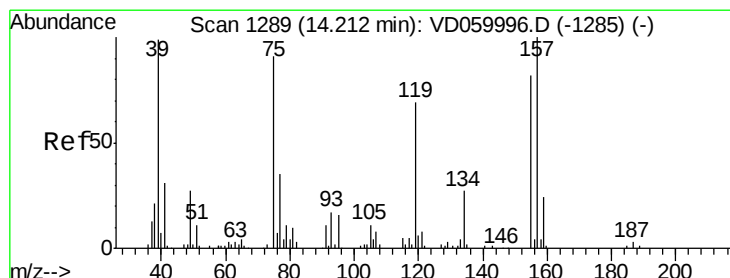
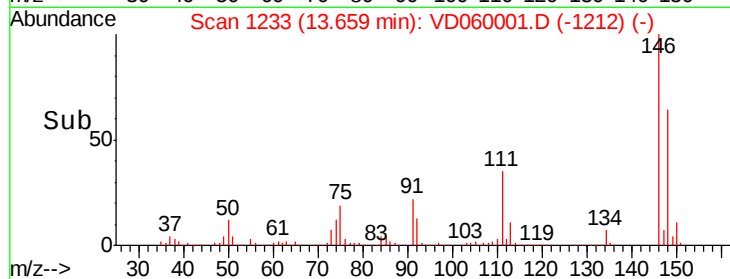
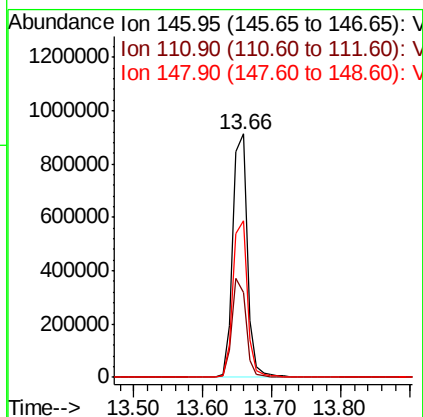
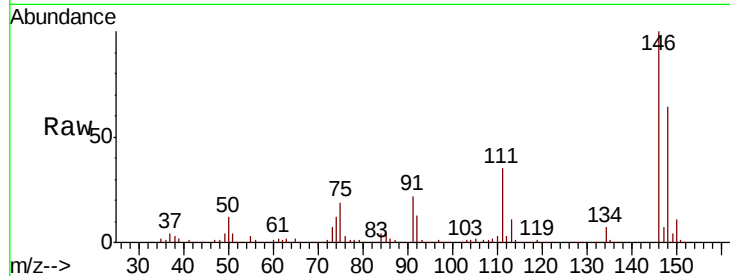




#91
 1,2-Dichlorobenzene
 Concen: 51.13 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

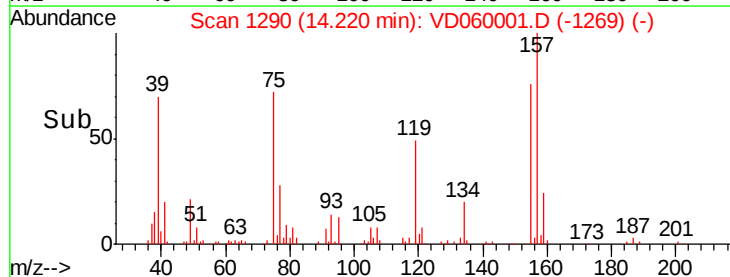
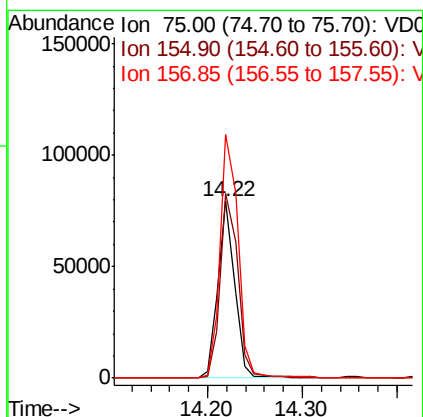
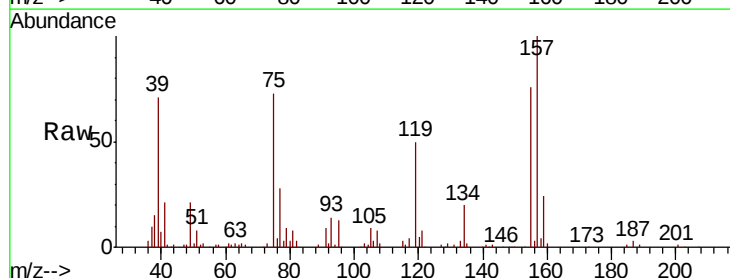
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

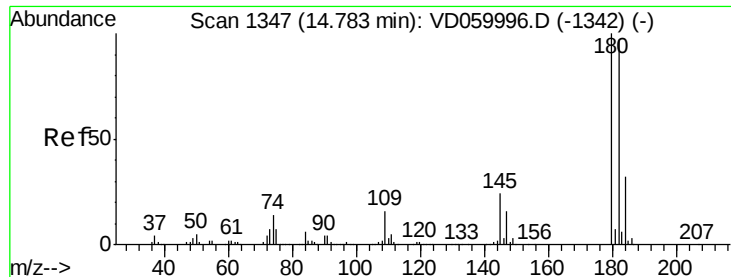
Tot Ion:146 Resp: 1332998
 Ion Ratio Lower Upper
 146 100
 111 34.8 19.6 58.7
 148 64.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.26 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060001.D
 Acq: 14 Sep 2018 10:30

Tgt Ion: 75 Resp: 98827
 Ion Ratio Lower Upper
 75 100
 155 104.5 44.7 134.1
 157 137.6 54.7 164.1

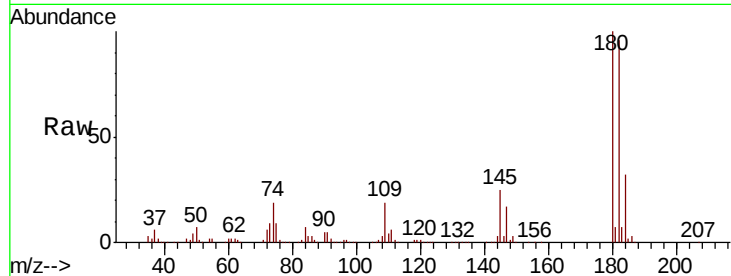




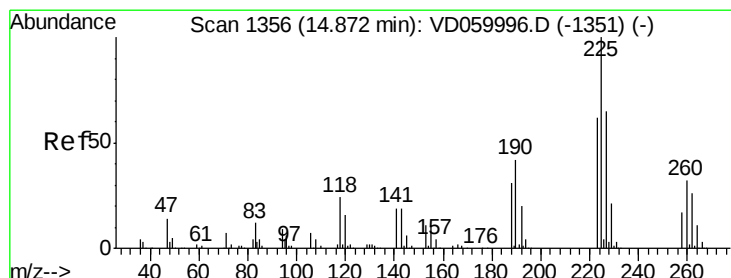
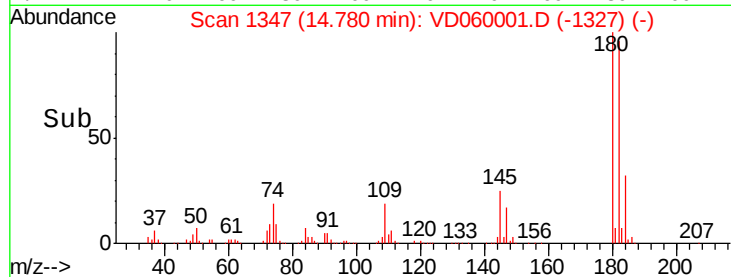
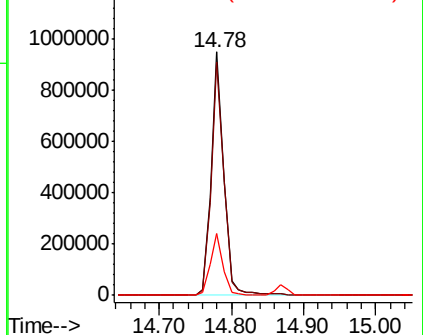
#93
1,2,4-Trichlorobenzene
Concen: 50.01 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 1152458
Ion Ratio Lower Upper
180 100
182 95.7 48.5 145.6
145 25.3 11.9 35.7

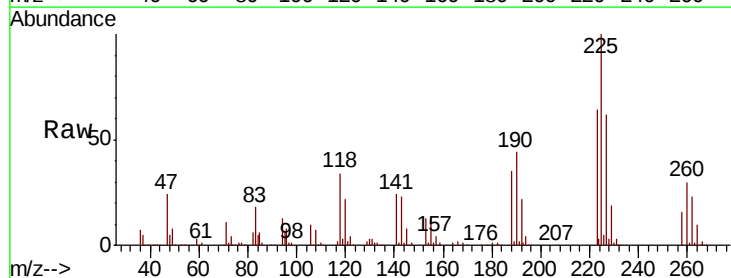


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

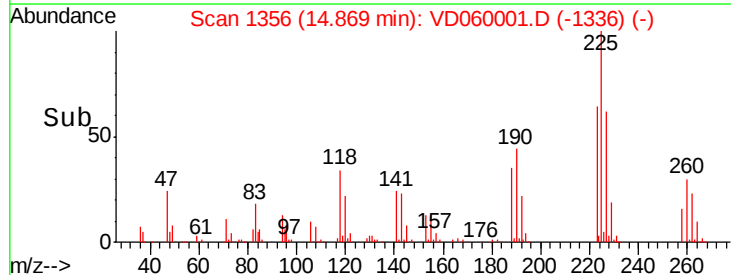
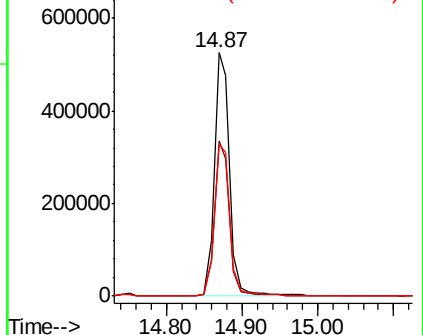


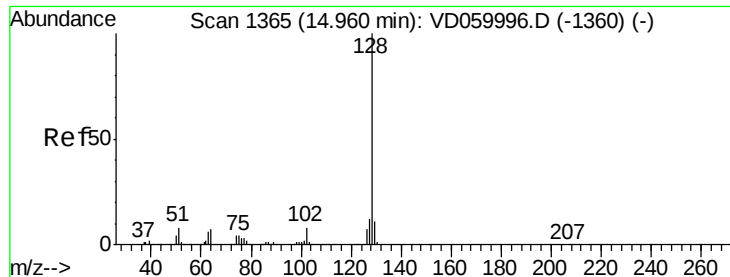
#94
Hexachlorobutadiene
Concen: 49.64 ug/l
RT: 14.87 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VD060001.D
Acq: 14 Sep 2018 10:30

Tgt Ion:225 Resp: 756723
Ion Ratio Lower Upper
225 100
223 63.8 31.2 93.6
227 62.2 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: 48.39 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

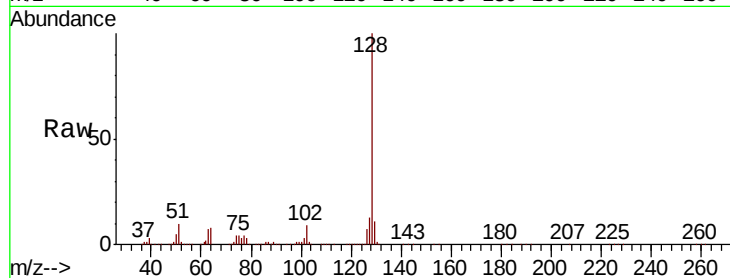
Tot Ion:128 Resp: 1722294

Ion Ratio Lower Upper

128 100

127 12.7 9.7 14.5

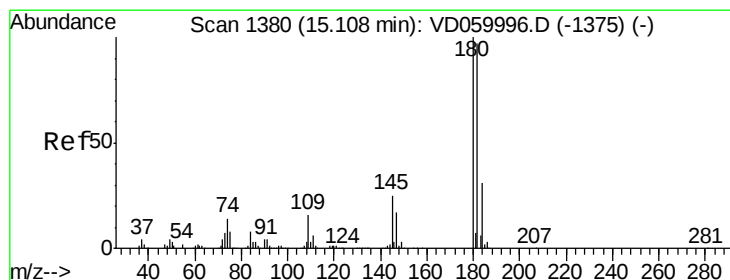
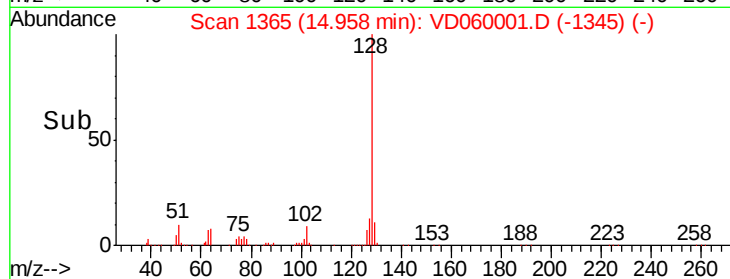
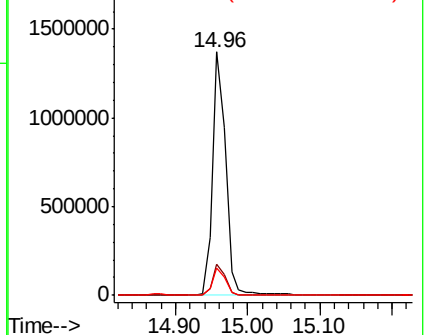
129 11.1 8.9 13.3



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: 48.11 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD060001.D

Acq: 14 Sep 2018 10:30

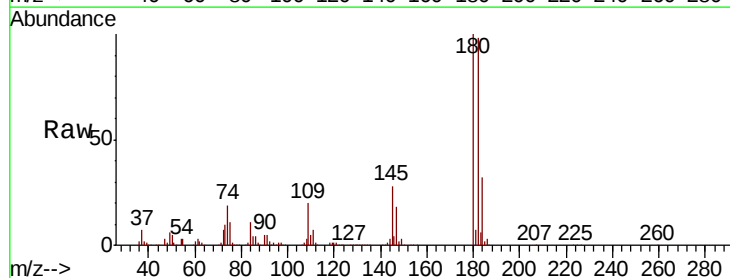
Tgt Ion:180 Resp: 977067

Ion Ratio Lower Upper

180 100

182 97.8 48.6 145.9

145 28.4 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

