

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059583.D
 Acq On : 25 Jul 2018 11:52
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 26 04:26:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	157326	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	199456	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	164563	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.90	152	84464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	99611	50.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	5.52	113	90425	52.85	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	8.69	98	193652	49.90	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.93	95	90321	51.66	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	82884	47.50	ug/l	99
3) Chloromethane	1.47	50	41603	42.31	ug/l	99
4) Vinyl Chloride	1.54	62	50856	49.70	ug/l	98
5) Bromomethane	1.77	94	12176	62.02	ug/l	82
6) Chloroethane	1.85	64	28390	94.84	ug/l	93
7) Trichlorofluoromethane	2.05	101	95272	54.57	ug/l	94
8) Diethyl Ether	2.33	74	17295	52.26	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	2.52	101	47172	51.28	ug/l	89
10) Methyl Iodide	2.67	142	59298	49.69	ug/l	98
11) Tert butyl alcohol	3.24	59	18116	229.59	ug/l	99
12) 1,1-Dichloroethene	2.52	96	35178	52.76	ug/l	97
13) Acrolein	2.45	56	10692	263.02	ug/l	94
14) Allyl chloride	2.90	41	83350	51.56	ug/l	99
15) Acrylonitrile	3.33	53	46318	270.66	ug/l	94
16) Acetone	2.59	43	87771	293.85	ug/l	99
17) Carbon Disulfide	2.73	76	137189	51.80	ug/l	98
18) Methyl Acetate	2.91	43	30499	51.06	ug/l	98
19) Methyl tert-butyl Ether	3.38	73	159851	71.53	ug/l	97
20) Methylene Chloride	3.05	84	41697	48.96	ug/l	95
21) trans-1,2-Dichloroethene	3.37	96	50021	69.57	ug/l	87
22) Diisopropyl ether	4.05	45	195193	45.92	ug/l	98
23) Vinyl Acetate	3.99	43	627059	232.42	ug/l	100
24) 1,1-Dichloroethane	3.94	63	129054	48.09	ug/l	98
25) 2-Butanone	4.82	43	111248	244.23	ug/l	98
26) 2,2-Dichloropropane	4.78	77	147364	53.62	ug/l	100
27) cis-1,2-Dichloroethene	4.78	96	71390	49.71	ug/l	92
28) Bromochloromethane	5.12	49	53790	50.66	ug/l	99
29) Tetrahydrofuran	5.16	42	49039	232.51	ug/l	99
30) Chloroform	5.30	83	157598	49.10	ug/l	97
31) Cyclohexane	5.57	56	88495	51.56	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	161631	52.01	ug/l	98
36) 1,1-Dichloropropene	5.72	75	104772	52.35	ug/l	95
37) Ethyl Acetate	4.91	43	52549	51.04	ug/l	98
38) Carbon Tetrachloride	5.70	117	146788	53.56	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	90407	49.12	ug/l	98
40) Benzene	6.00	78	206312	50.27	ug/l	98
41) Methacrylonitrile	5.10	41	25112	48.88	ug/l	93
42) 1,2-Dichloroethane	6.11	62	126920	51.32	ug/l	100
43) Isopropyl Acetate	7.60	43	69259	48.51	ug/l	100
44) Trichloroethene	6.96	130	74951	50.35	ug/l	100
45) 1,2-Dichloropropane	7.34	63	58422	50.83	ug/l	99
46) Dibromomethane	7.44	93	50228	51.70	ug/l	96
47) Bromodichloromethane	7.73	83	120853	52.08	ug/l	95
48) Methyl methacrylate	7.49	41	50180	53.00	ug/l	97
49) 1,4-Dioxane	7.47	88	8794	993.09	ug/l	88
51) 4-Methyl-2-Pentanone	8.58	43	219394	230.13	ug/l	98
52) Toluene	8.79	92	133344	49.00	ug/l	93
53) t-1,3-Dichloropropene	9.17	75	109113	52.13	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	105861	50.94	ug/l	96
55) 1,1,2-Trichloroethane	9.44	97	48098	47.04	ug/l	98
56) Ethyl methacrylate	9.30	69	64059	55.22	ug/l	98
57) 1,3-Dichloropropane	9.66	76	80049	49.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.17	63	138444	253.99	ug/l	97
59) 2-Hexanone	9.77	43	179655	237.25	ug/l	99
60) Dibromochloromethane	9.94	129	86541	50.98	ug/l	99
61) 1,2-Dibromoethane	10.08	107	61019	50.36	ug/l	94
64) Tetrachloroethene	9.50	164	74099	49.69	ug/l	95
65) Chlorobenzene	10.71	112	160152	47.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	71512	48.73	ug/l	100
67) Ethyl Benzene	10.85	91	283399	48.87	ug/l	100
68) m/p-Xylenes	11.00	106	188848	97.51	ug/l	97
69) o-Xylene	11.40	106	88183	46.92	ug/l	88
70) Styrene	11.43	104	151176	48.52	ug/l	99
71) Bromoform	11.59	173	61444	51.42	ug/l	93
73) Isopropylbenzene	11.77	105	279121	46.78	ug/l	99
74) N-amyl acetate	11.63	43	93429	45.70	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	58011	47.62	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	67942	48.64	ug/l	98
77) Bromobenzene	12.04	156	81732	46.79	ug/l	85
78) n-propylbenzene	12.15	91	347132	47.88	ug/l	97
79) 2-Chlorotoluene	12.21	91	209568	48.48	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	230026	48.83	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	18134	50.78	ug/l	95
82) 4-Chlorotoluene	12.32	91	235163	48.11	ug/l	97
83) tert-Butylbenzene	12.57	119	259590	48.95	ug/l	98
84) 1,2,4-Trimethylbenzene	12.62	105	234307	46.79	ug/l	98
85) sec-Butylbenzene	12.76	105	287611	47.46	ug/l	99
86) p-Isopropyltoluene	12.88	119	245134	47.99	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	139363	47.17	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	133938	47.06	ug/l	97
89) n-Butylbenzene	13.19	91	217764	44.16	ug/l	99
90) Hexachloroethane	13.39	117	69027	50.57	ug/l	93
91) 1,2-Dichlorobenzene	13.19	146	109694	44.25	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	12374	50.38	ug/l	92

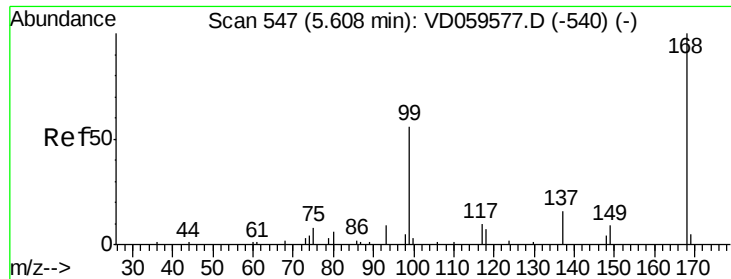
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	101081	49.24	ug/l	95
94) Hexachlorobutadiene	14.43	225	78010	48.18	ug/l	99
95) Naphthalene	14.51	128	137849	47.22	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	88553	47.67	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

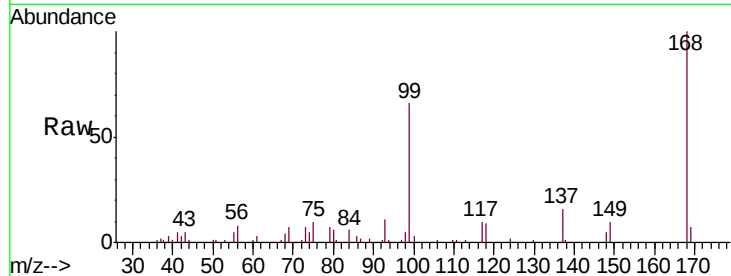
VSTDCCC050

Tot Ion:168 Resp: 157326

Ion Ratio Lower Upper

168 100

99 65.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

60000

50000

40000

30000

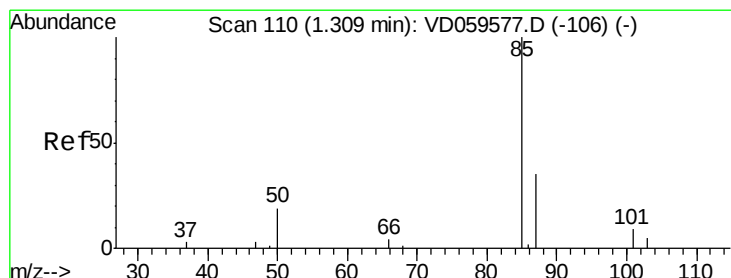
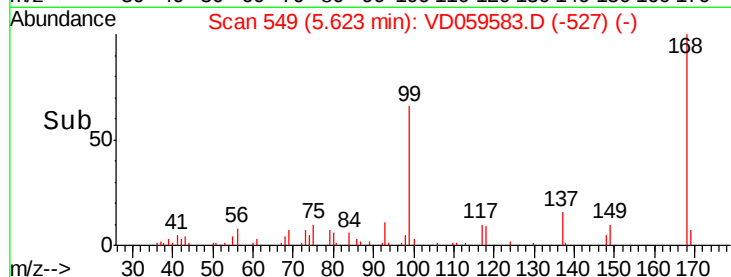
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.50 ug/l

RT: 1.32 min Scan# 112

Delta R.T. 0.02 min

Lab File: VD059583.D

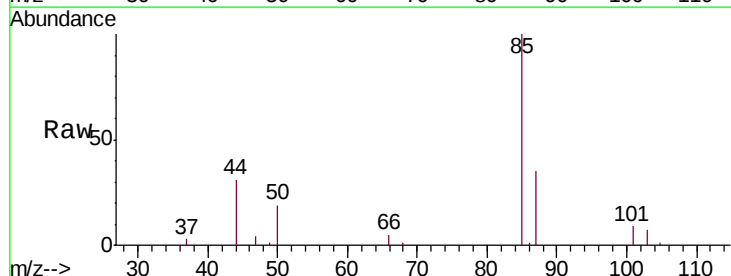
Acq: 25 Jul 2018 11:52

Tgt Ion: 85 Resp: 82884

Ion Ratio Lower Upper

85 100

87 35.2 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.32

30000

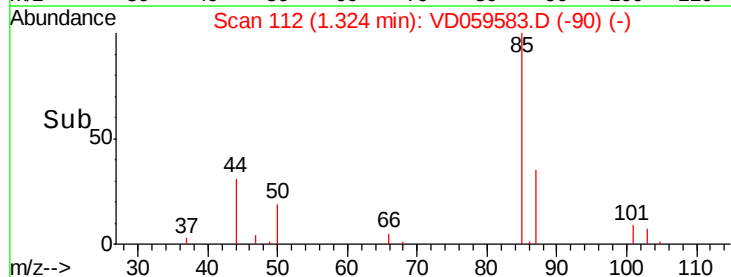
20000

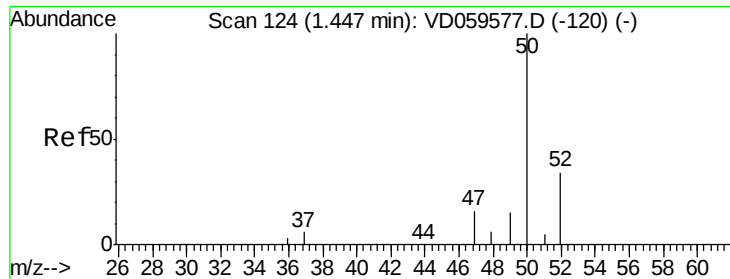
10000

0

1.20 1.30 1.40 1.50

Time-->

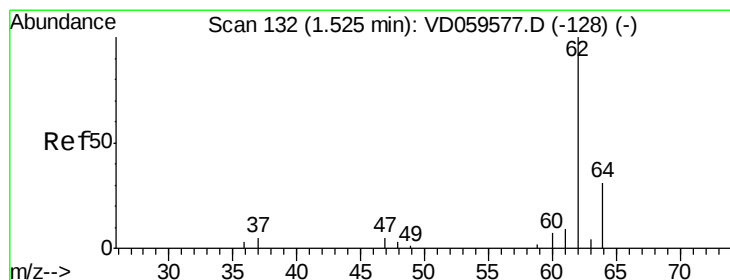
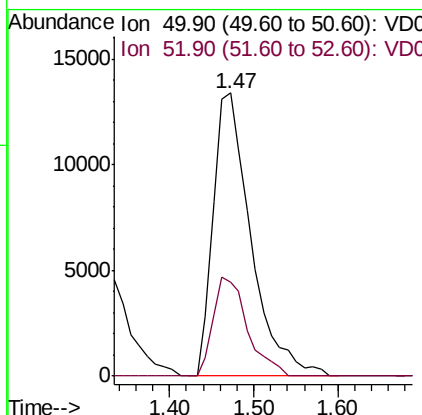
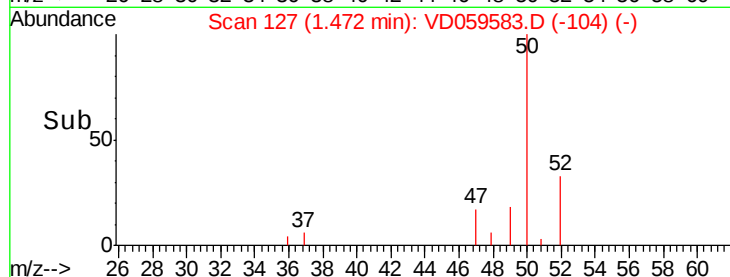
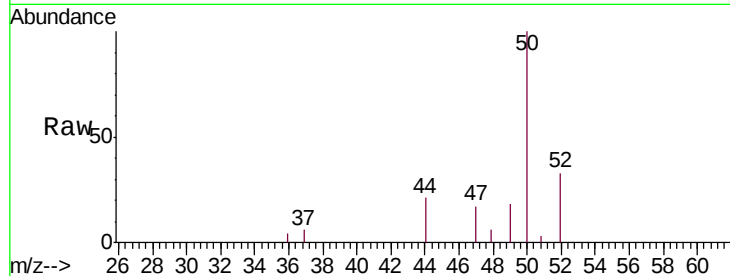




#3
 Chloromethane
 Concen: 42.31 ug/l
 RT: 1.47 min Scan# 127
 Delta R.T. 0.03 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

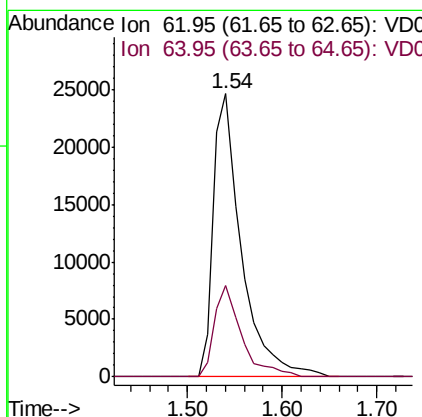
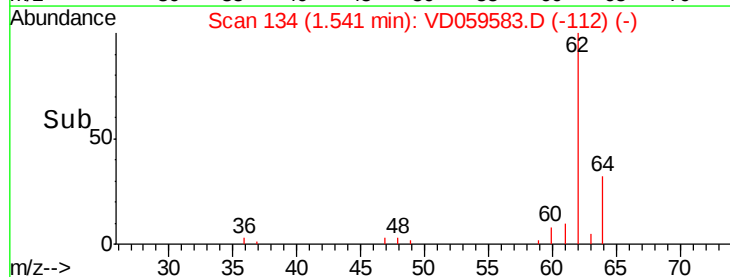
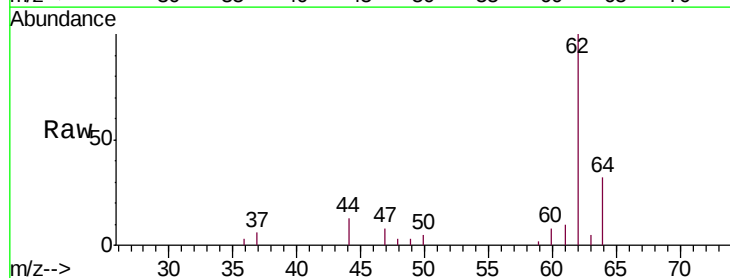
Instrument :
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 ClientSampleId :
 VSTDCCC050

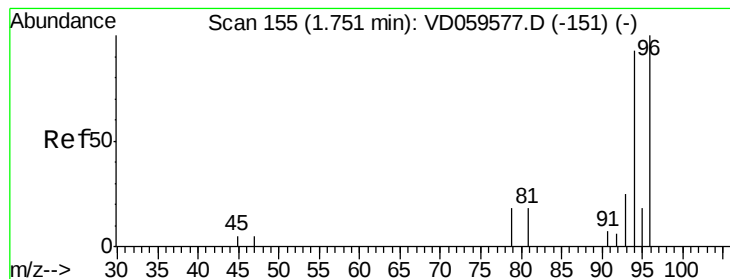
Tot Ion: 50 Resp: 41603
 Ion Ratio Lower Upper
 50 100
 52 33.4 27.3 40.9



#4
 Vinyl Chloride
 Concen: 49.70 ug/l
 RT: 1.54 min Scan# 134
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion: 62 Resp: 50856
 Ion Ratio Lower Upper
 62 100
 64 32.4 25.0 37.4





#5

Bromomethane

Concen: 62.02 ug/l

RT: 1.77 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

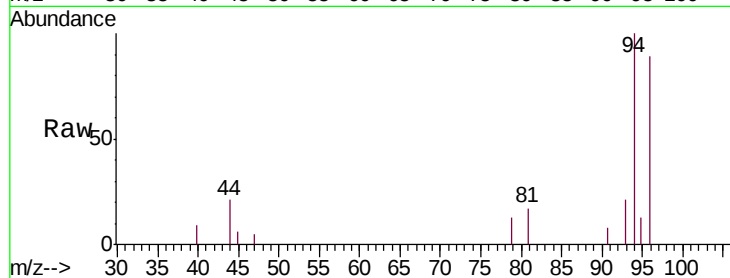
VSTDCCC050

Tot Ion: 94 Resp: 12176

Ion Ratio Lower Upper

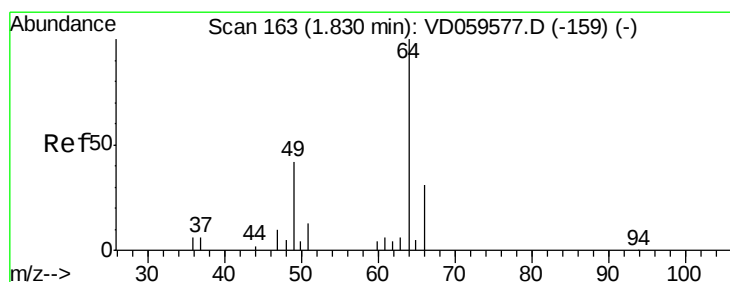
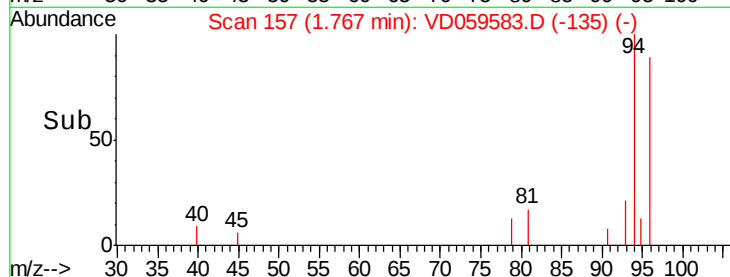
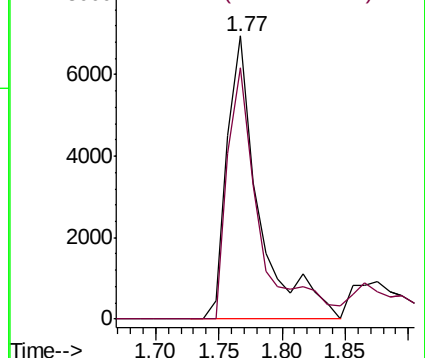
94 100

96 89.0 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 94.84 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD059583.D

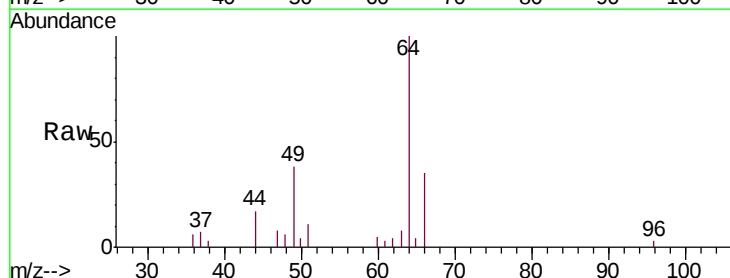
Acq: 25 Jul 2018 11:52

Tgt Ion: 64 Resp: 28390

Ion Ratio Lower Upper

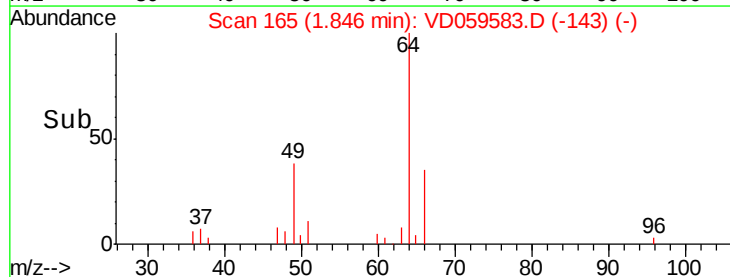
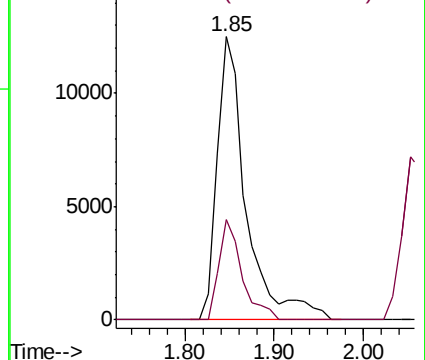
64 100

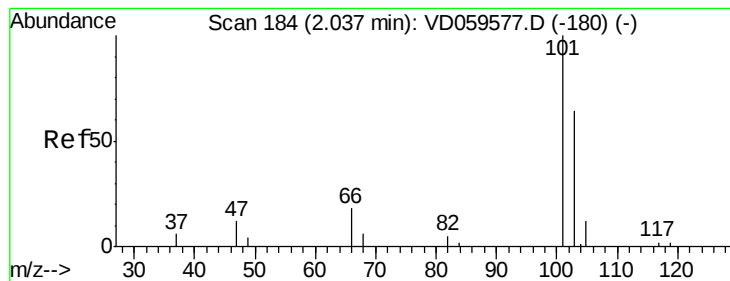
66 35.4 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 54.57 ug/l

RT: 2.05 min Scan# 186

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

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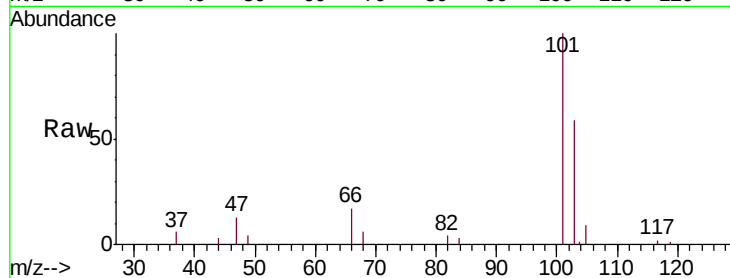
VSTDCCC050

Tot Ion:101 Resp: 95272

Ion Ratio Lower Upper

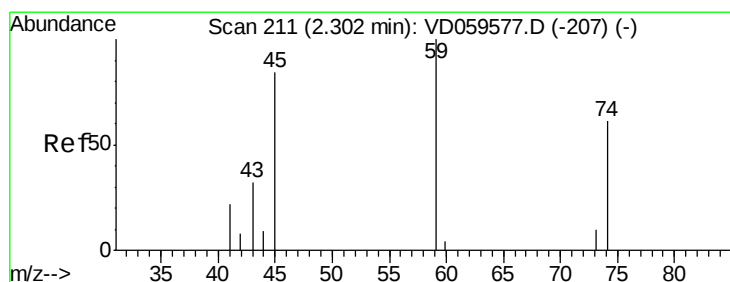
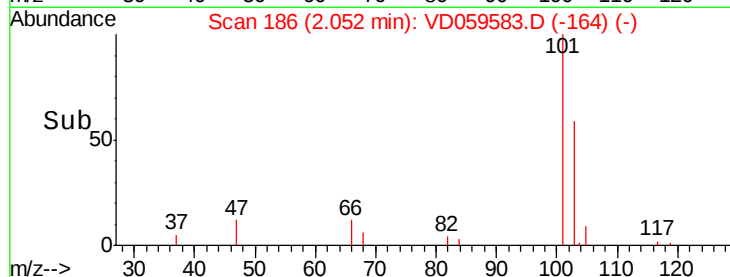
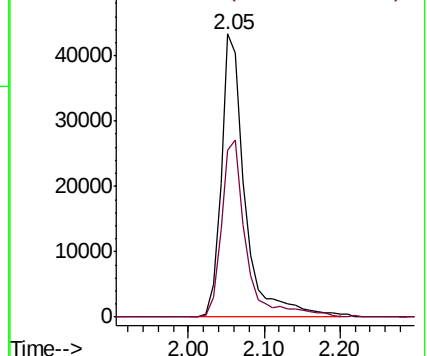
101 100

103 59.2 50.9 76.3



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 52.26 ug/l

RT: 2.33 min Scan# 214

Delta R.T. 0.03 min

Lab File: VD059583.D

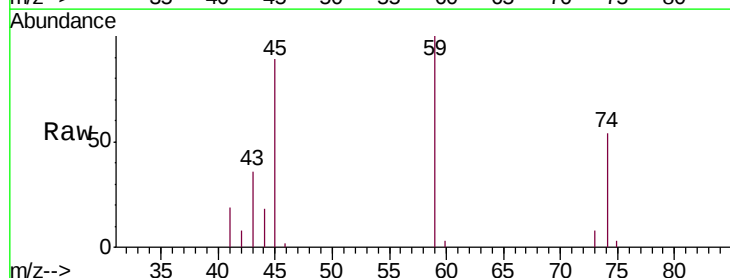
Acq: 25 Jul 2018 11:52

Tgt Ion: 74 Resp: 17295

Ion Ratio Lower Upper

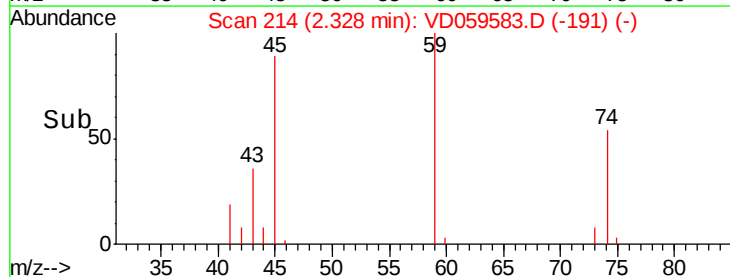
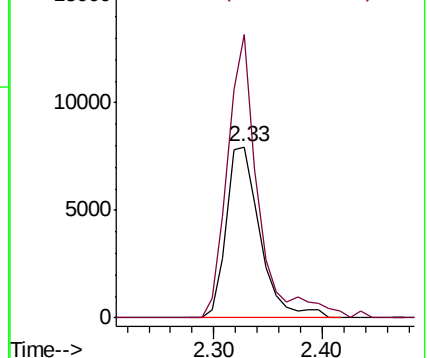
74 100

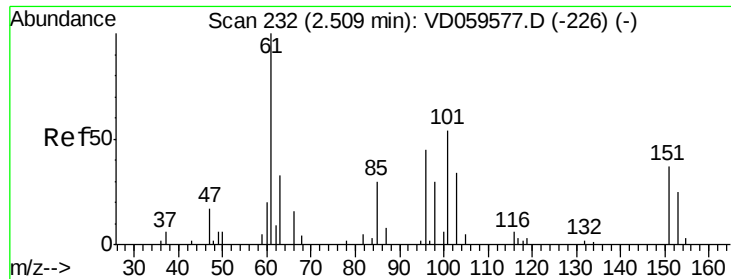
45 165.8 69.0 207.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.28 ug/l

RT: 2.52 min Scan# 234

Delta R.T. 0.02 min

Lab File: VD059583.D

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ClientSampleId :

VSTDCCC050

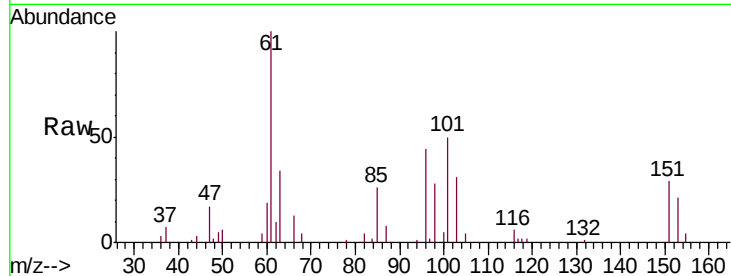
Tot Ion:101 Resp: 47172

Ion Ratio Lower Upper

101 100

85 51.5 44.5 66.7

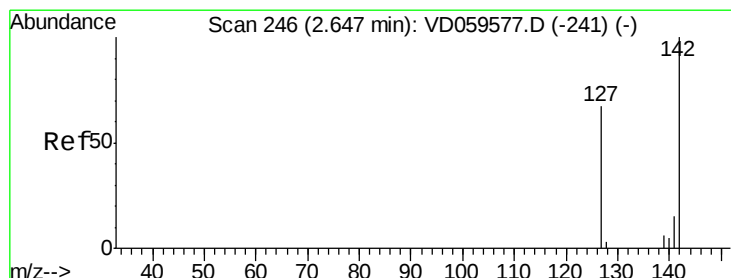
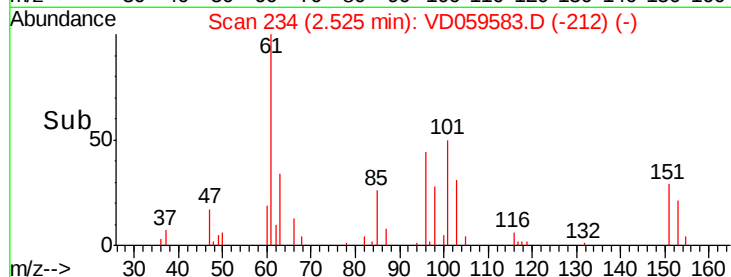
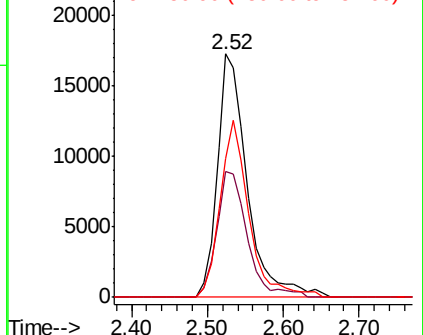
151 57.2 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 49.69 ug/l

RT: 2.67 min Scan# 249

Delta R.T. 0.03 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

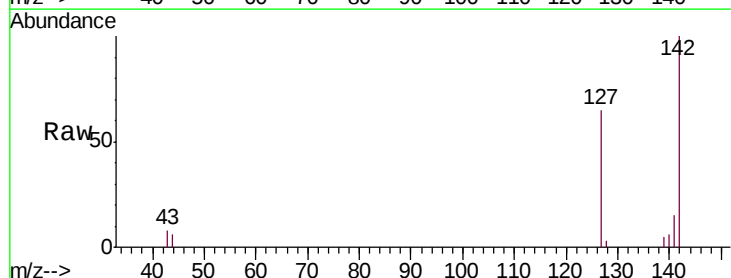
Tgt Ion:142 Resp: 59298

Ion Ratio Lower Upper

142 100

127 64.9 53.6 80.4

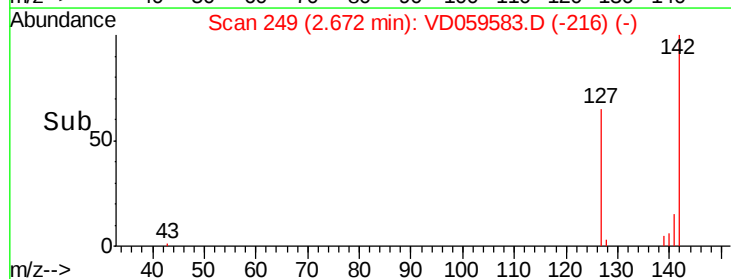
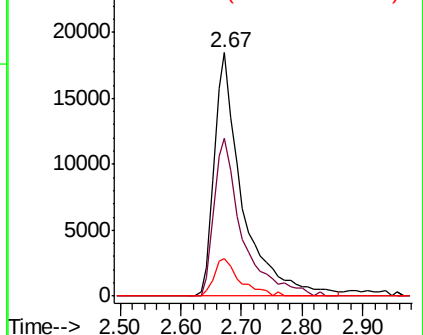
141 15.2 12.2 18.2

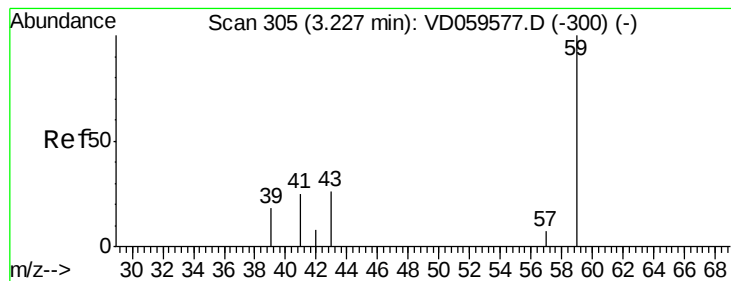


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



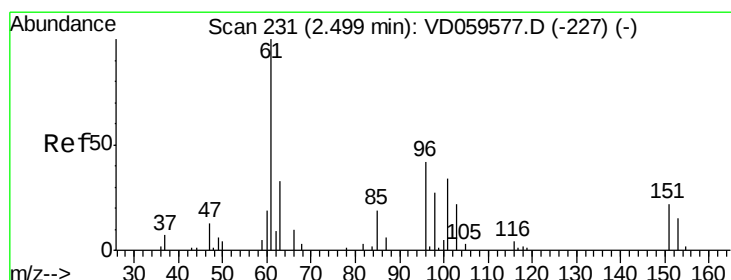
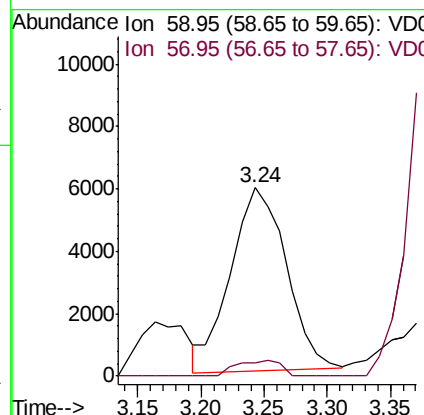
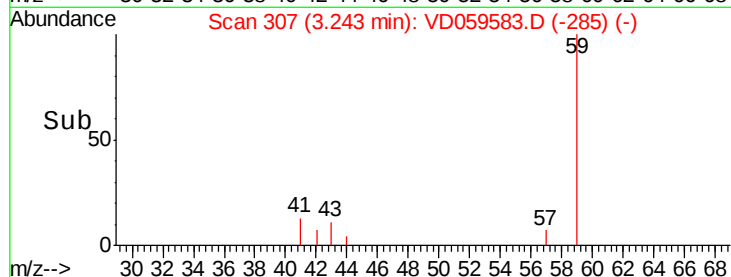
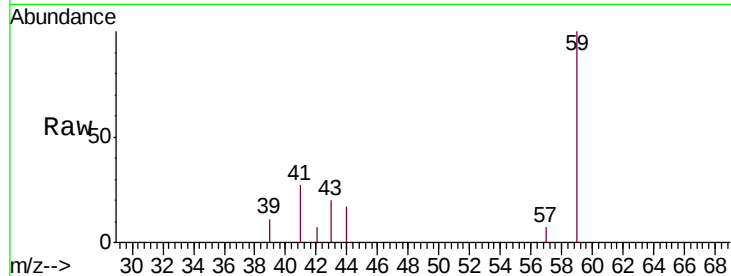


#11

Tert butyl alcohol
Concen: 229.59 ug/l
RT: 3.24 min Scan# 307
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

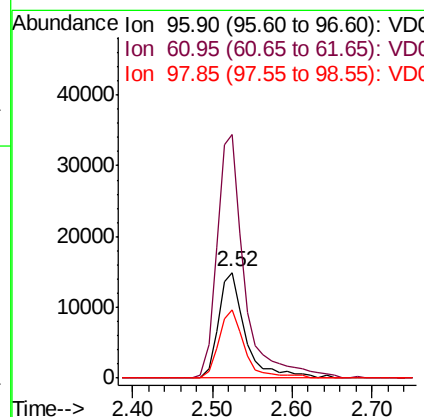
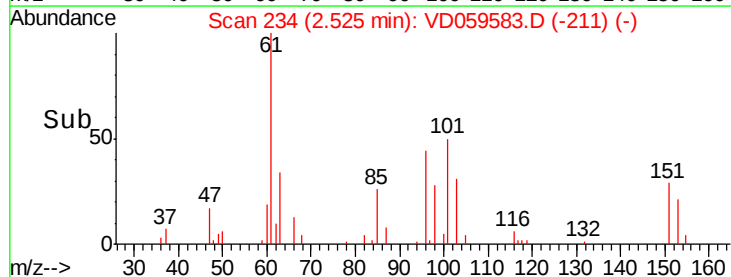
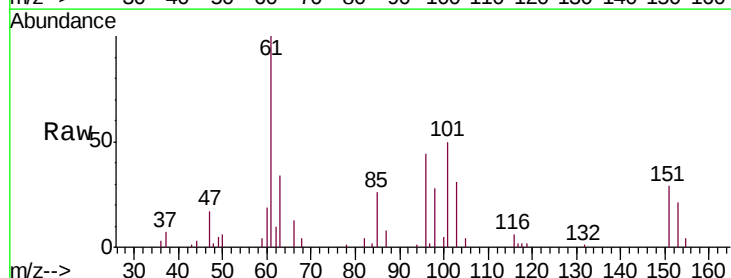
Tot Ion: 59 Resp: 18116
Ion Ratio Lower Upper
59 100
57 7.3 5.5 8.3

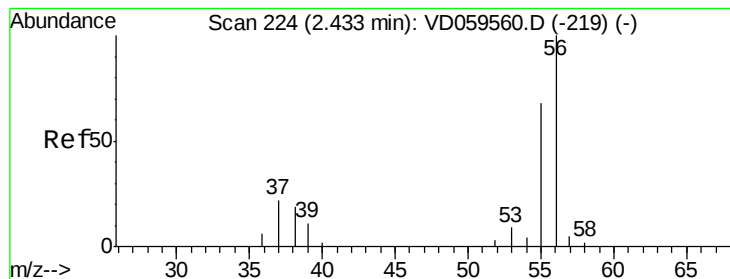


#12

1,1-Dichloroethene
Concen: 52.76 ug/l
RT: 2.52 min Scan# 234
Delta R.T. 0.03 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 96 Resp: 35178
Ion Ratio Lower Upper
96 100
61 229.9 188.8 283.2
98 64.2 51.4 77.2





#13

Acrolein

Concen: 263.02 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

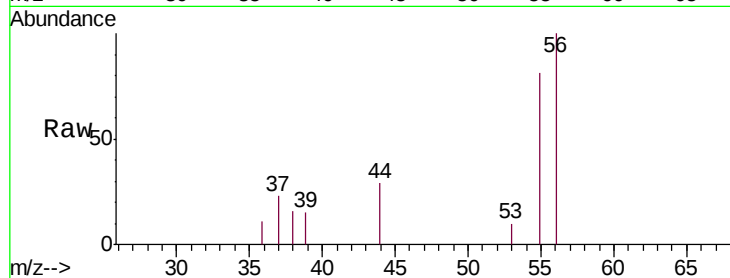
VSTDCCC050

Tot Ion: 56 Resp: 10692

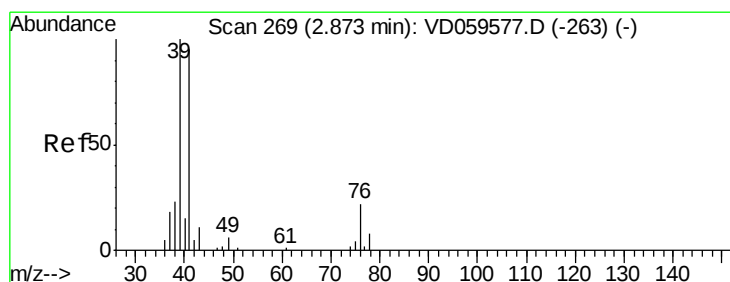
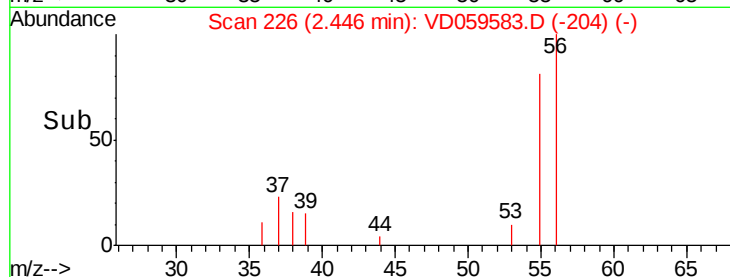
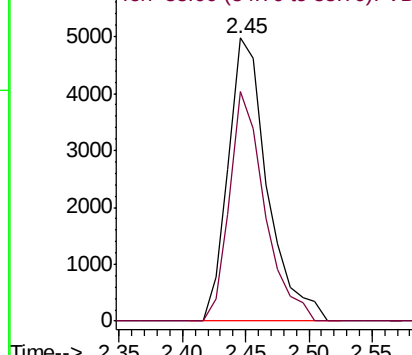
Ion Ratio Lower Upper

56 100

55 81.2 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.56 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.03 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

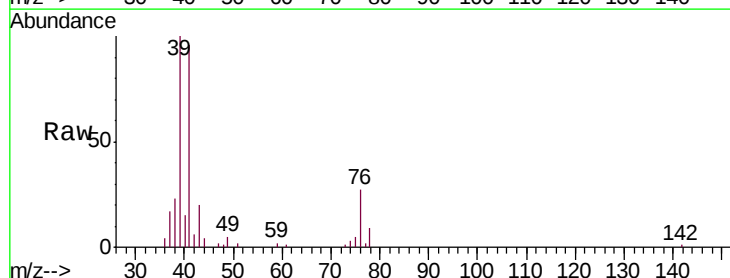
Tgt Ion: 41 Resp: 83350

Ion Ratio Lower Upper

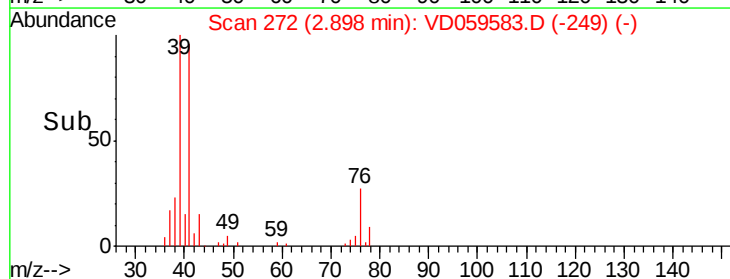
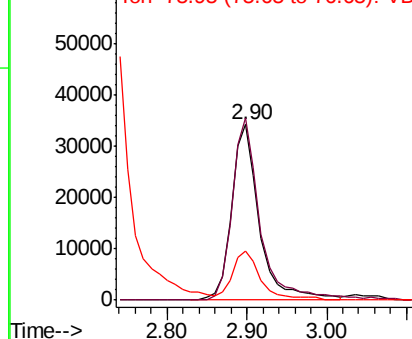
41 100

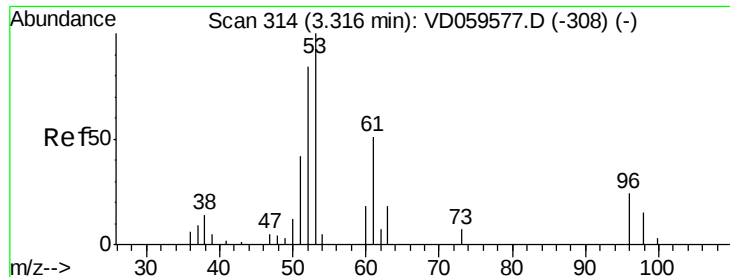
39 104.1 83.8 125.8

76 27.8 22.2 33.4



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: 270.66 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

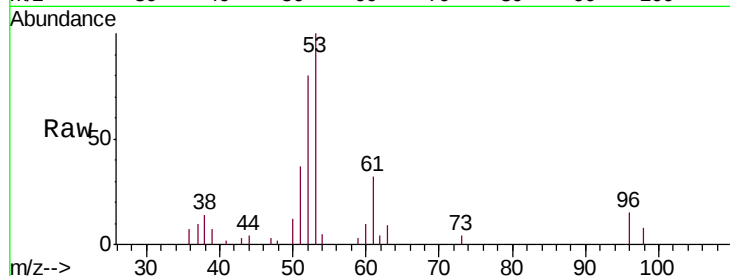
Tot Ion: 53 Resp: 46318

Ion Ratio Lower Upper

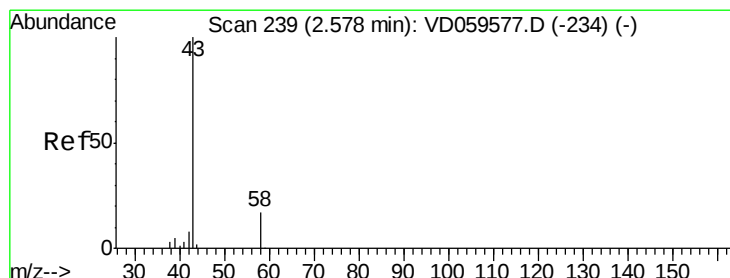
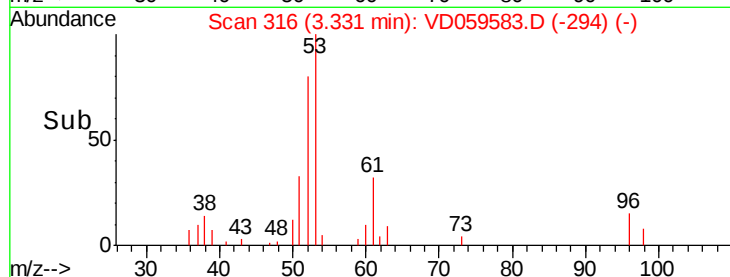
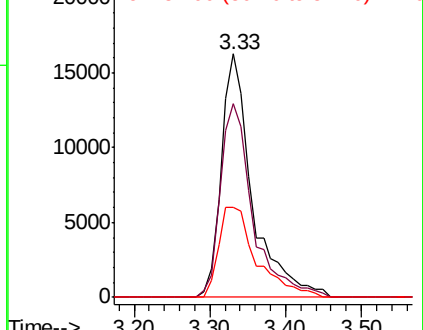
53 100

52 79.7 67.6 101.4

51 36.8 33.7 50.5



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



#16

Acetone

Concen: 293.85 ug/l

RT: 2.59 min Scan# 241

Delta R.T. 0.02 min

Lab File: VD059583.D

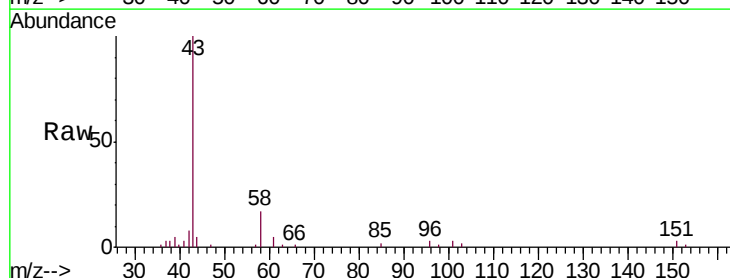
Acq: 25 Jul 2018 11:52

Tgt Ion: 43 Resp: 87771

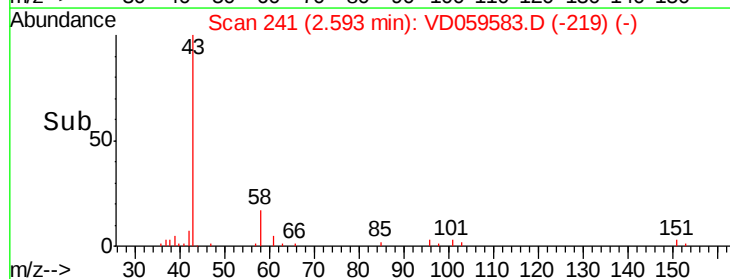
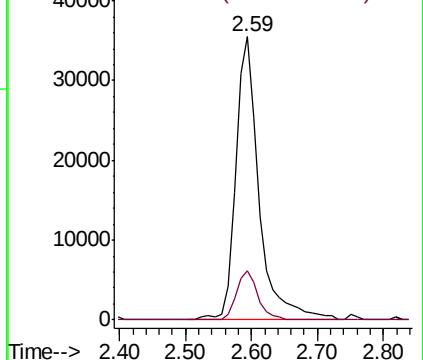
Ion Ratio Lower Upper

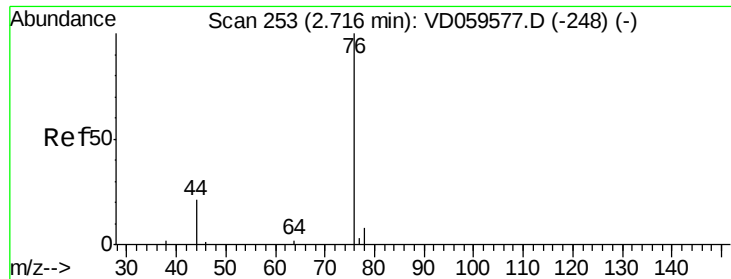
43 100

58 17.2 13.4 20.0



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

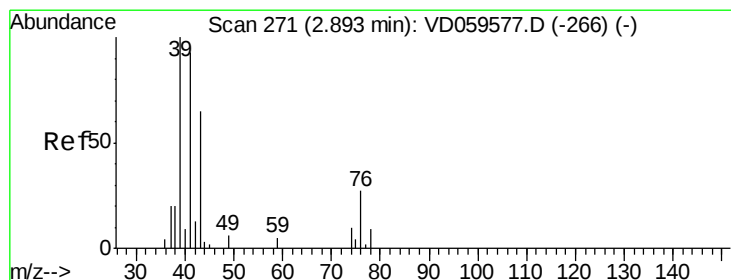
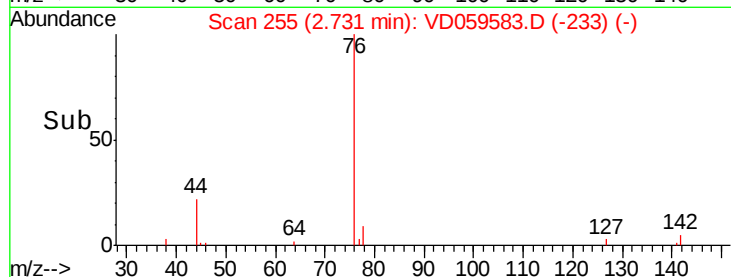
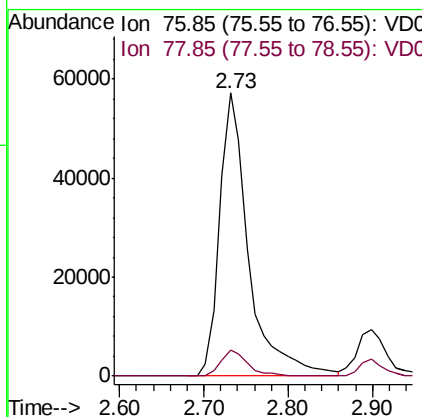
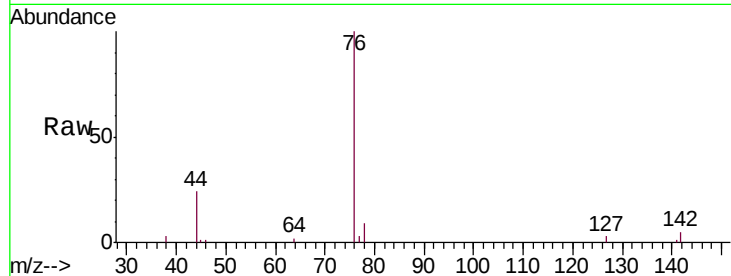




#17
Carbon Disulfide
Concen: 51.80 ug/l
RT: 2.73 min Scan# 255
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

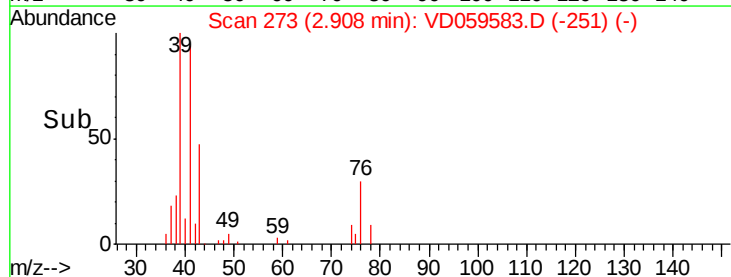
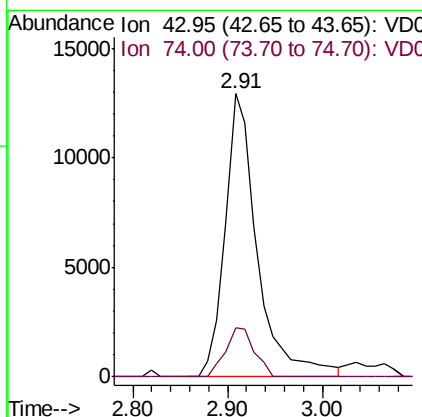
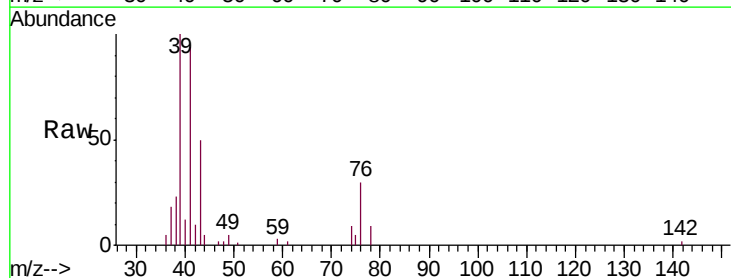
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

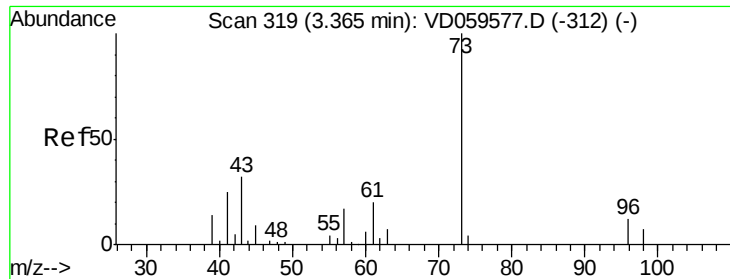
Tot Ion: 76 Resp: 137189
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2



#18
Methyl Acetate
Concen: 51.06 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 43 Resp: 30499
Ion Ratio Lower Upper
43 100
74 17.2 13.0 19.4

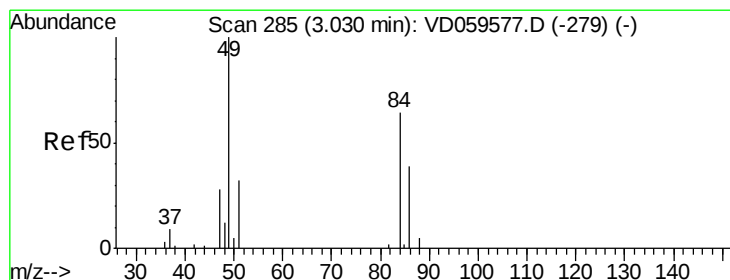
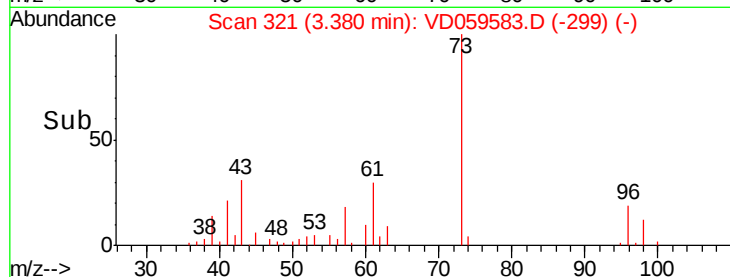
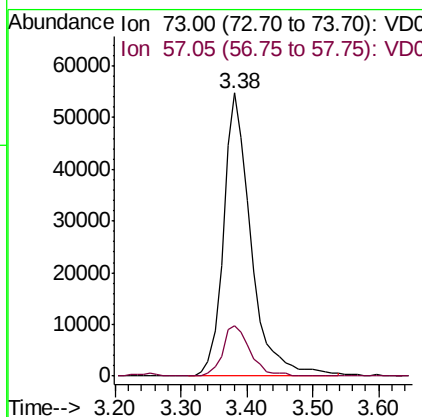
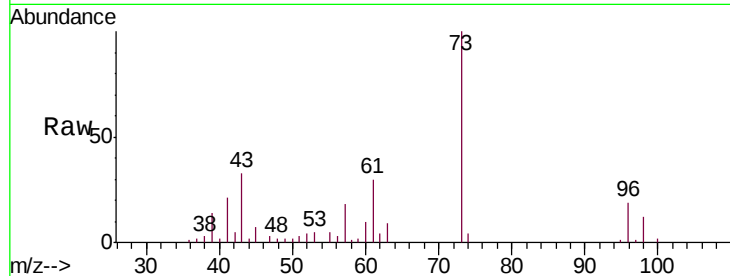




#19
Methyl tert-butyl Ether
Concen: 71.53 ug/l
RT: 3.38 min Scan# 321
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

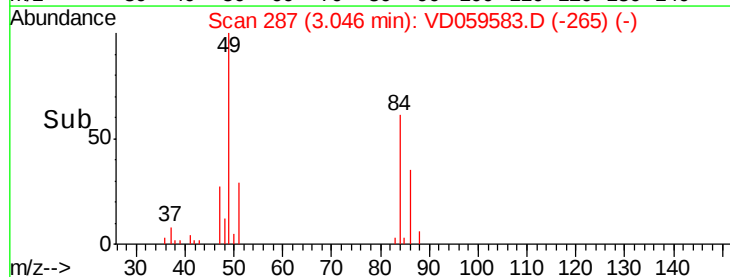
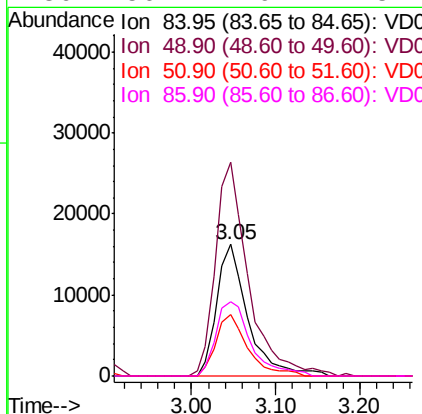
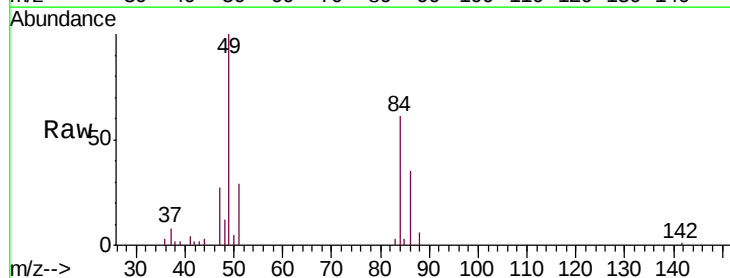
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

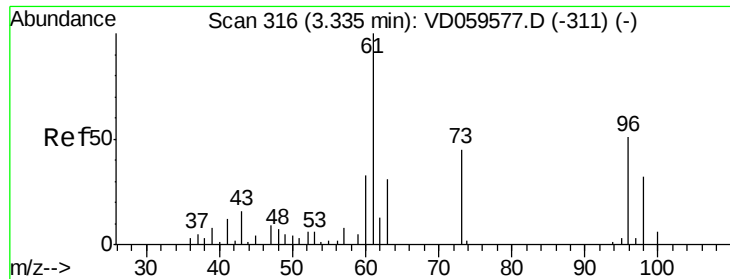
Tot Ion: 73 Resp: 159851
Ion Ratio Lower Upper
73 100
57 17.9 13.4 20.2



#20
Methylene Chloride
Concen: 48.96 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 84 Resp: 41697
Ion Ratio Lower Upper
84 100
49 162.6 125.4 188.2
51 46.9 39.7 59.5
86 56.2 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 69.57 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.04 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

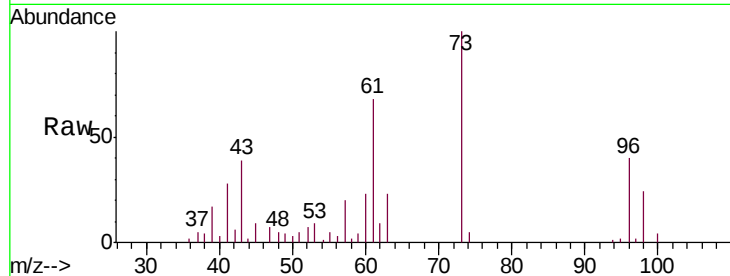
Tot Ion: 96 Resp: 50021

Ion Ratio Lower Upper

96 100

61 170.0 155.8 233.6

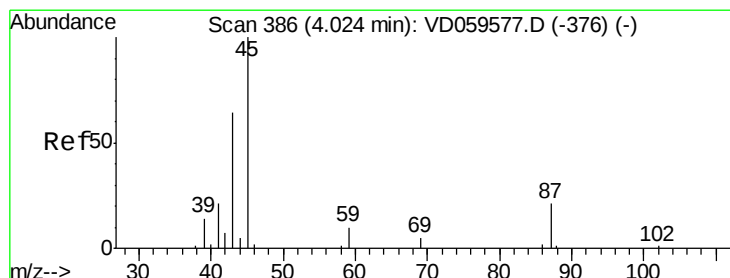
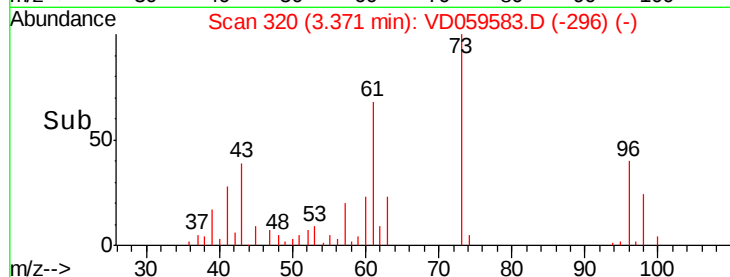
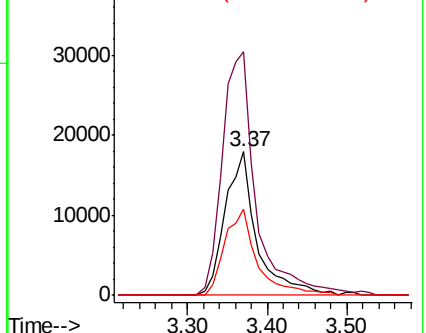
98 60.5 49.1 73.7



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: 45.92 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.03 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Tgt Ion: 45 Resp: 195193

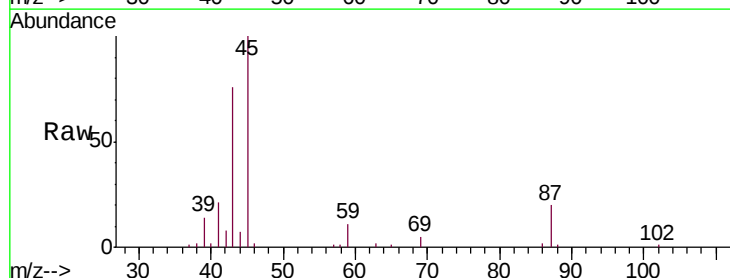
Ion Ratio Lower Upper

45 100

43 75.7 59.4 89.2

87 19.8 16.7 25.1

59 10.8 8.2 12.4

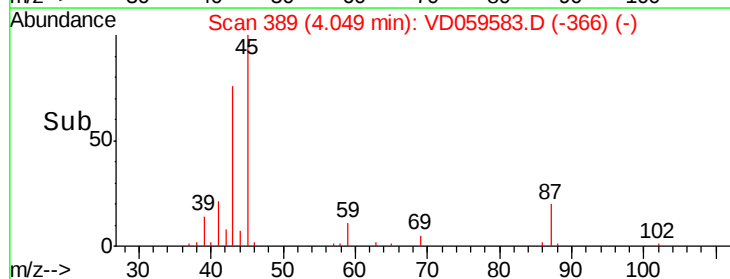
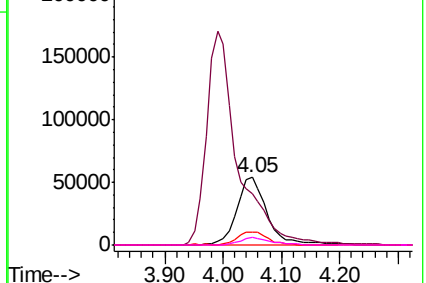


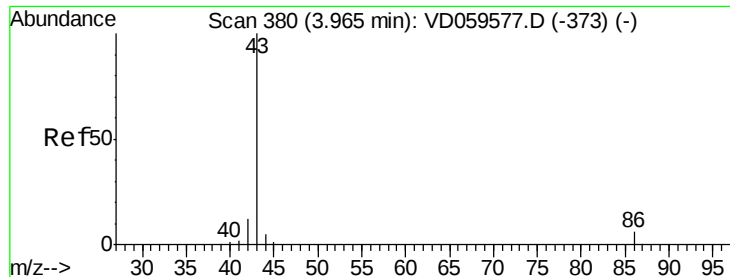
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

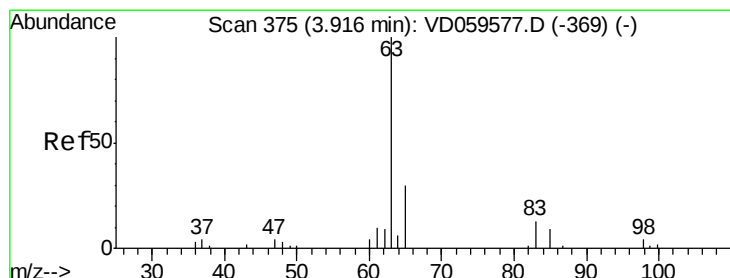
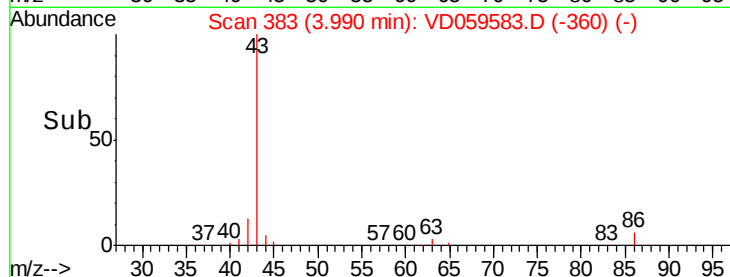
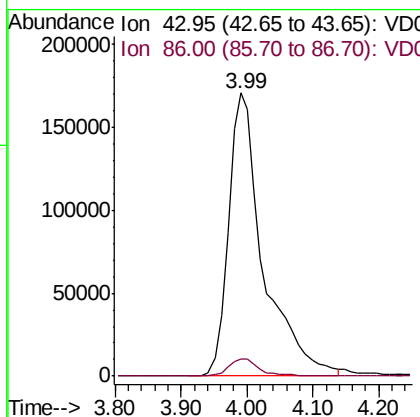
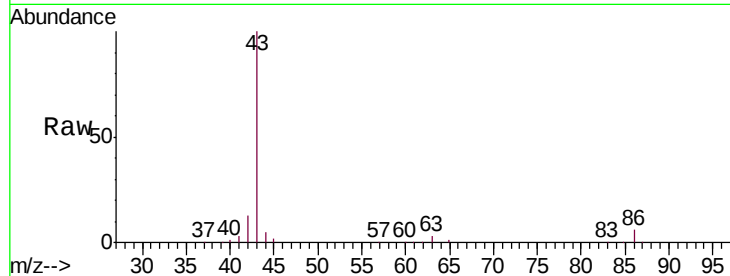




#23
 Vinyl Acetate
 Concen: 232.42 ug/l
 RT: 3.99 min Scan# 383
 Delta R.T. 0.03 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

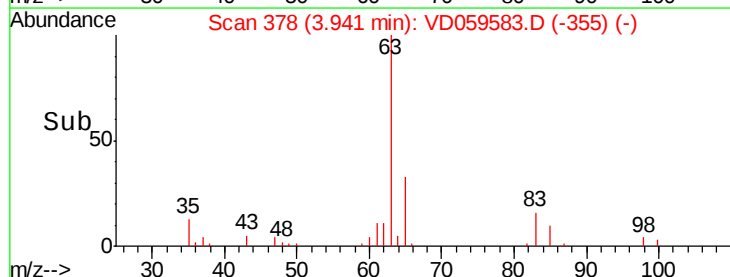
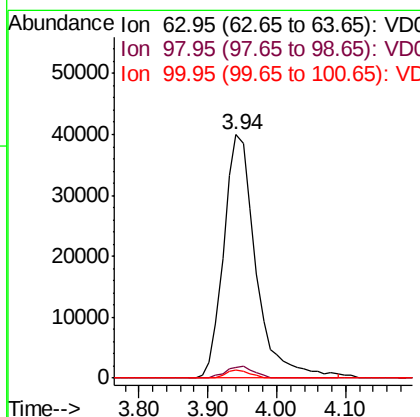
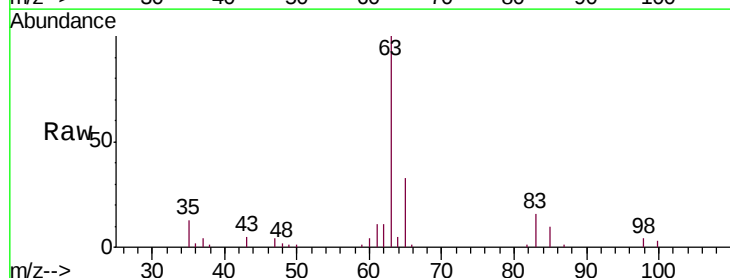
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

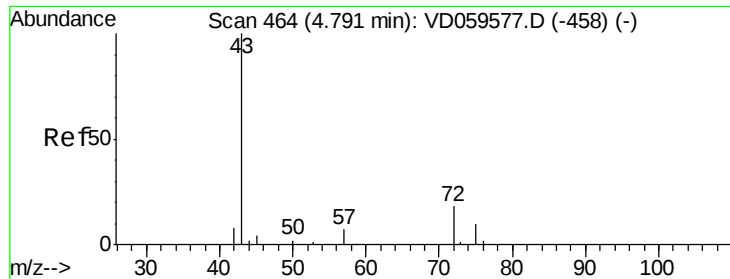
Tot Ion: 43 Resp: 627059
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.1 7.7



#24
 1,1-Dichloroethane
 Concen: 48.09 ug/l
 RT: 3.94 min Scan# 378
 Delta R.T. 0.03 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion: 63 Resp: 129054
 Ion Ratio Lower Upper
 63 100
 98 4.2 1.8 5.5
 100 3.2 1.1 3.3





#25

2-Butanone

Concen: 244.23 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

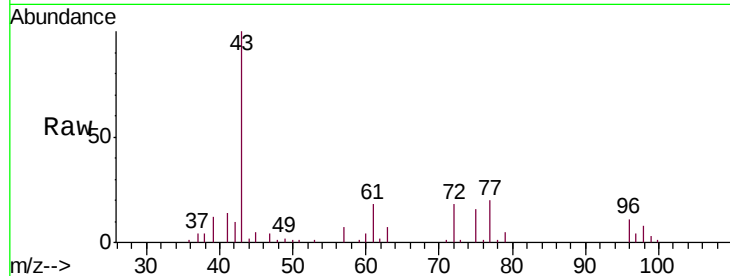
VSTDCCC050

Tot Ion: 43 Resp: 111248

Ion Ratio Lower Upper

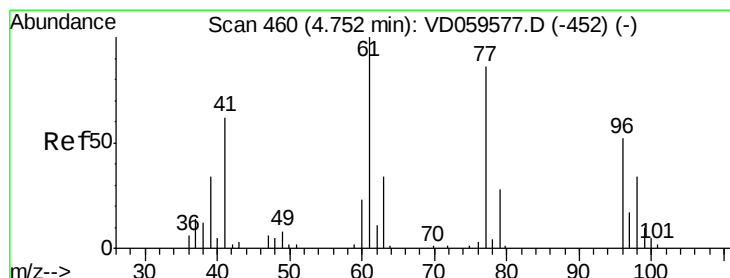
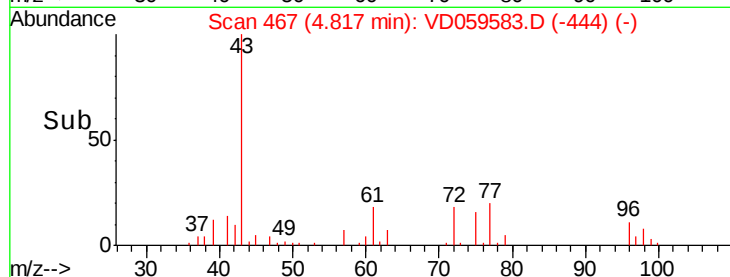
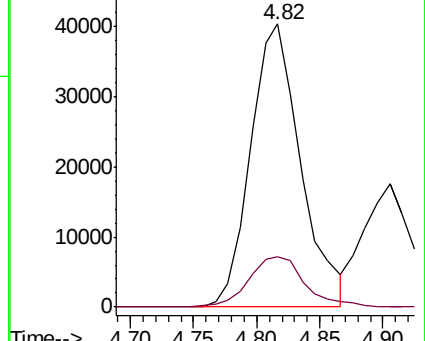
43 100

72 17.6 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.62 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.03 min

Lab File: VD059583.D

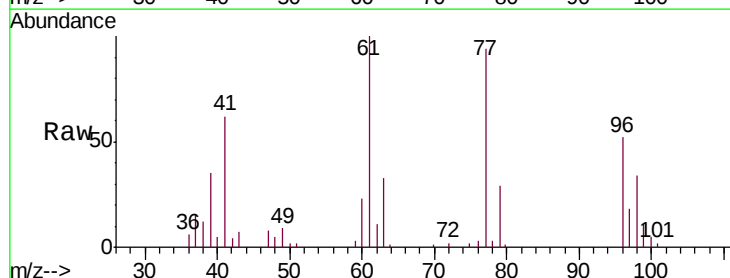
Acq: 25 Jul 2018 11:52

Tgt Ion: 77 Resp: 147364

Ion Ratio Lower Upper

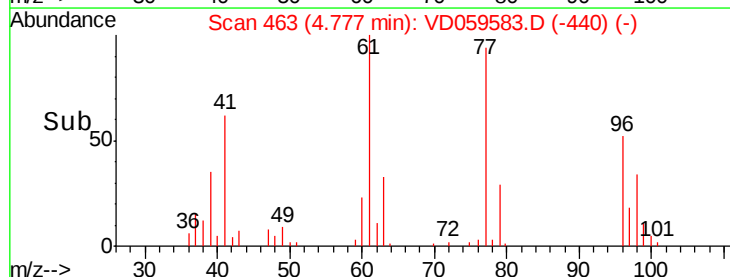
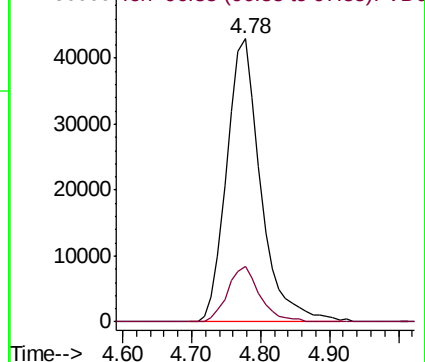
77 100

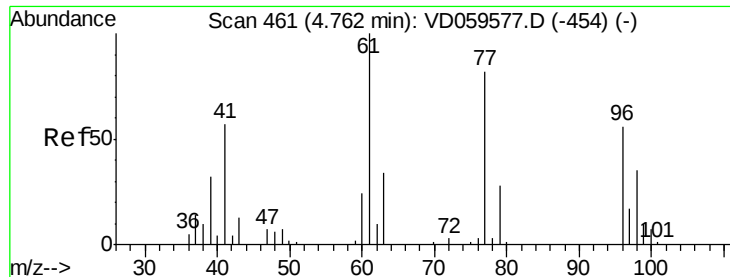
97 19.4 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



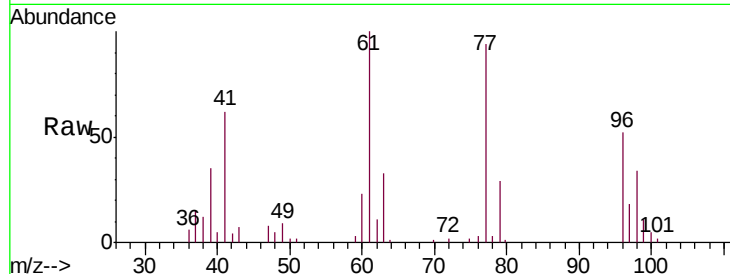


#27

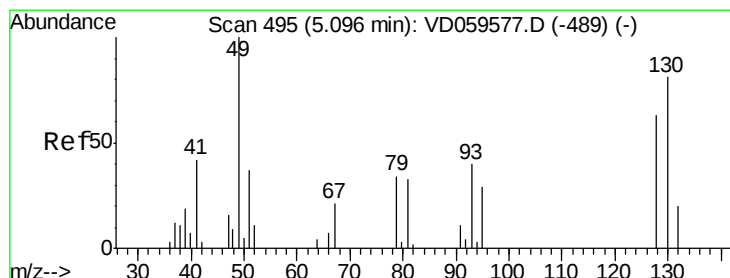
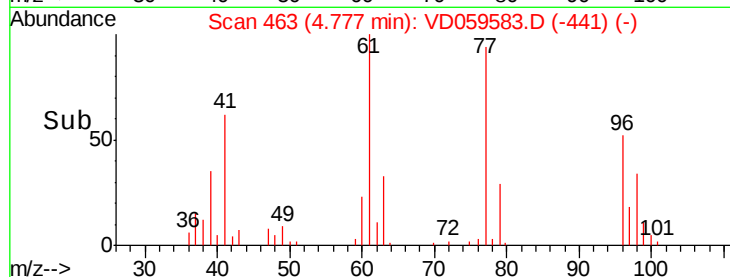
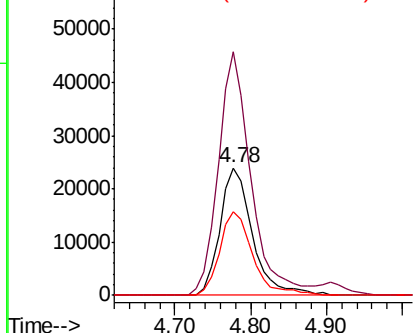
cis-1,2-Dichloroethene
Concen: 49.71 ug/l
RT: 4.78 min Scan# 463
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 71390
Ion Ratio Lower Upper
96 100
61 190.8 0.0 355.0
98 65.8 0.0 125.8



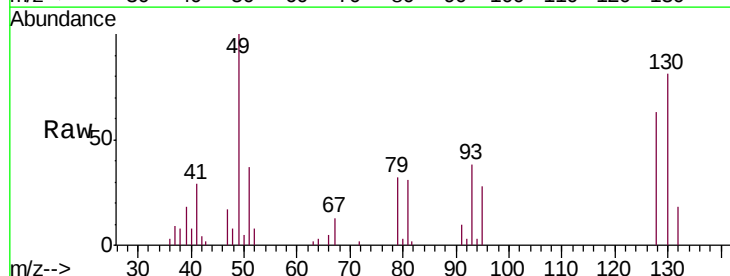
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



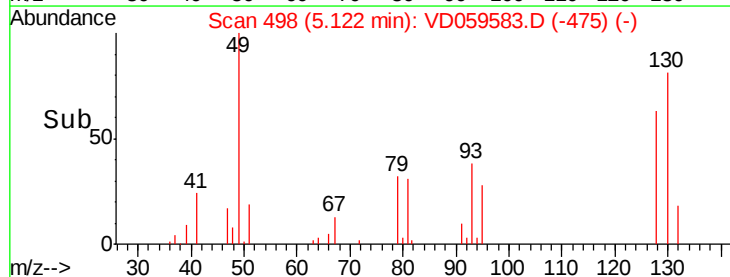
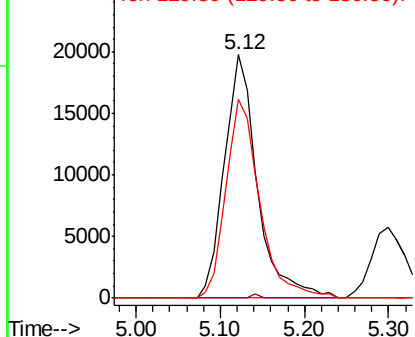
#28

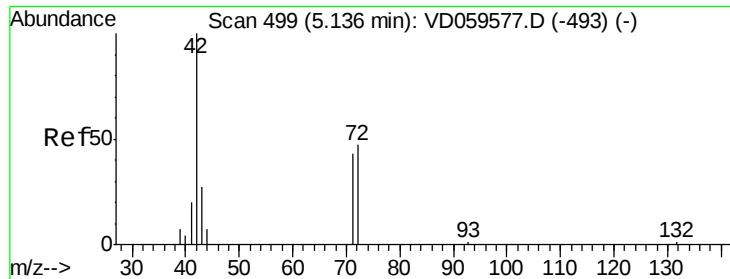
Bromochloromethane
Concen: 50.66 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.03 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 49 Resp: 53790
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 81.4 64.6 96.8



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





#29

Tetrahydrofuran

Concen: 232.51 ug/l

RT: 5.16 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

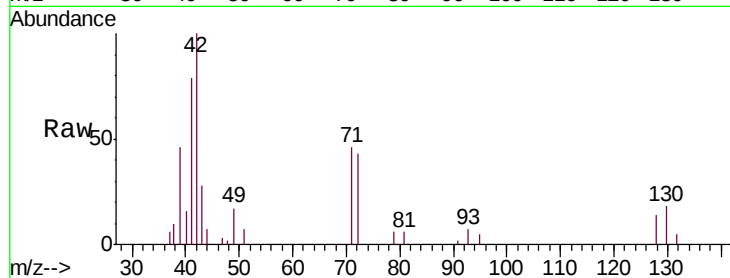
Tot Ion: 42 Resp: 49039

Ion Ratio Lower Upper

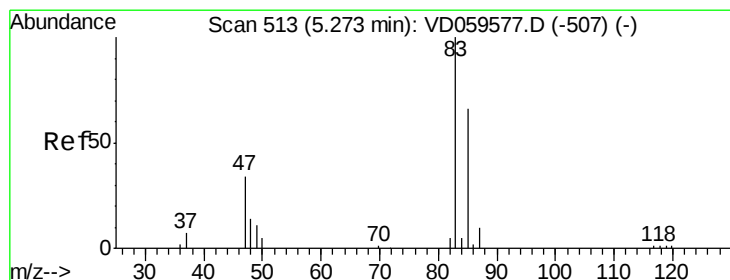
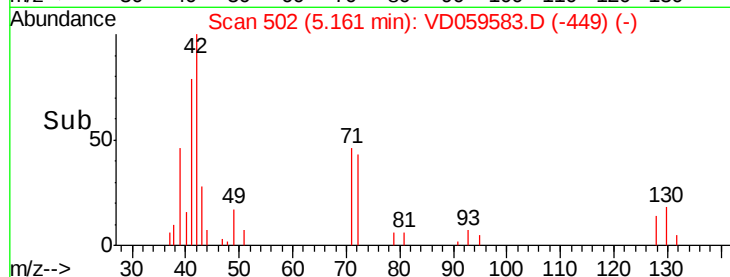
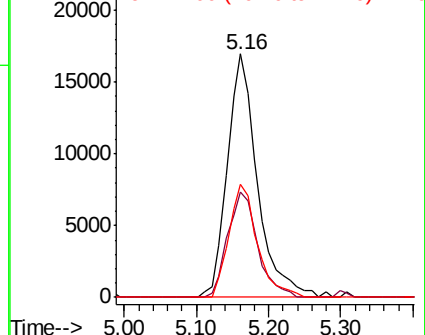
42 100

72 43.2 35.0 52.4

71 43.9 34.2 51.2



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



#30

Chloroform

Concen: 49.10 ug/l

RT: 5.30 min Scan# 516

Delta R.T. 0.03 min

Lab File: VD059583.D

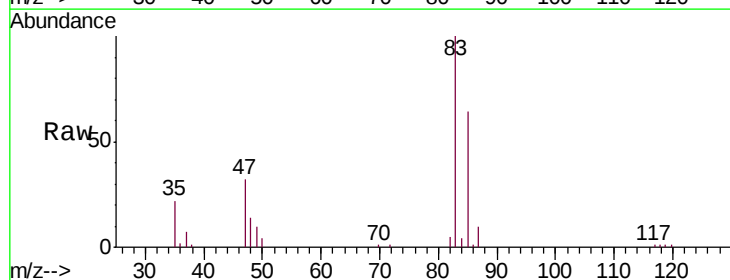
Acq: 25 Jul 2018 11:52

Tgt Ion: 83 Resp: 157598

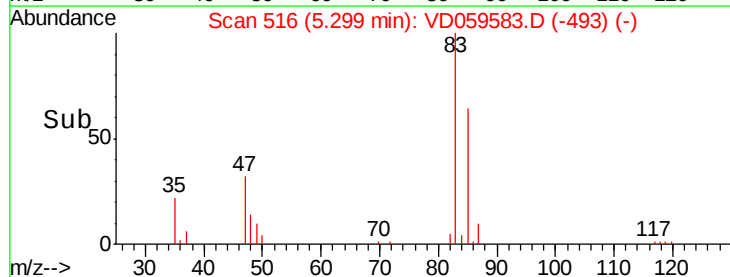
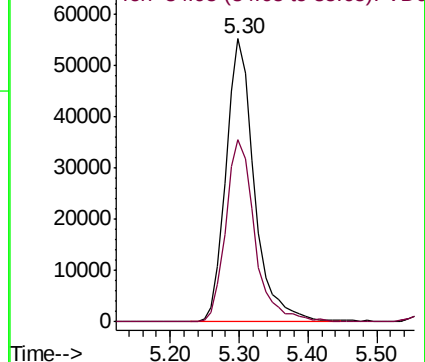
Ion Ratio Lower Upper

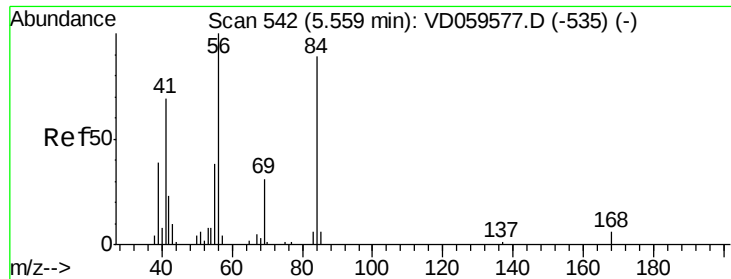
83 100

85 64.3 53.0 79.6



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

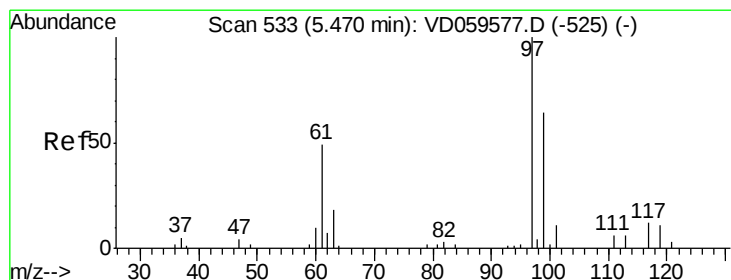
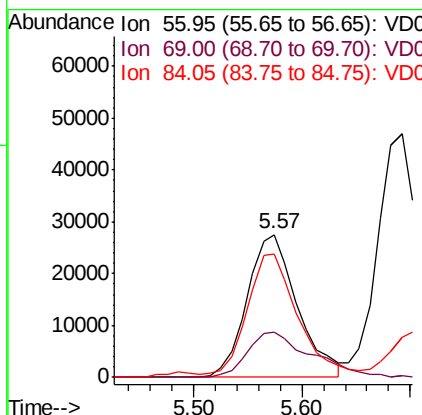
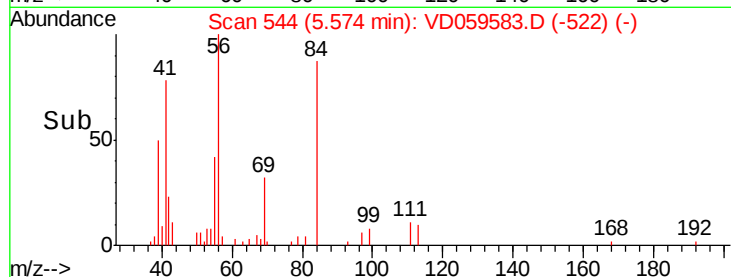
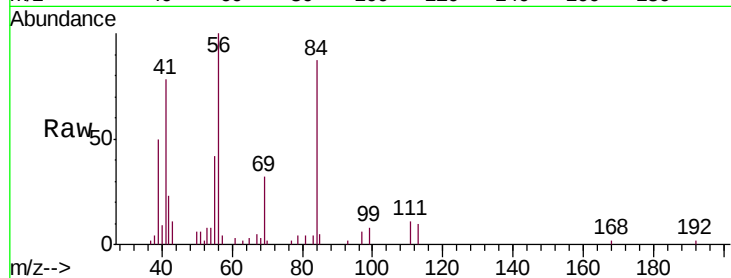




#31
Cyclohexane
Concen: 51.56 ug/l
RT: 5.57 min Scan# 544
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

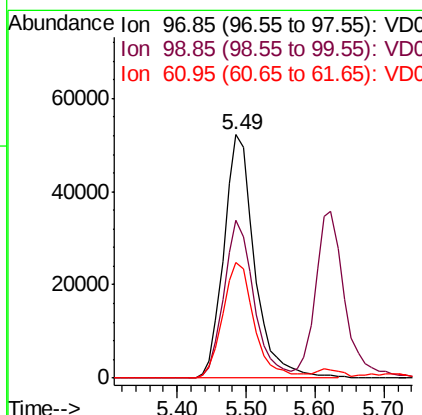
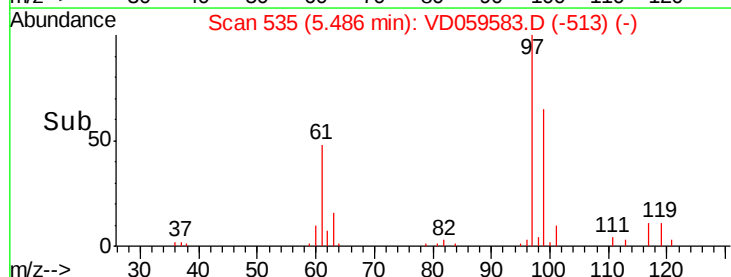
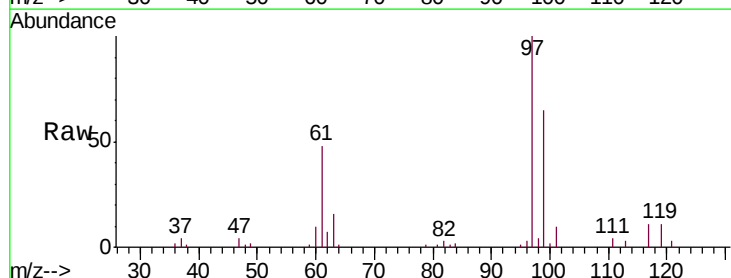
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

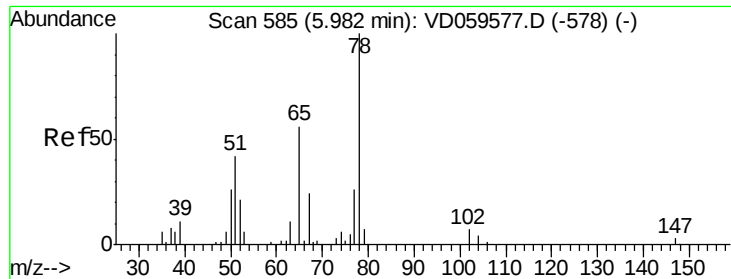
Tot Ion: 56 Resp: 88495
Ion Ratio Lower Upper
56 100
69 32.0 24.6 37.0
84 86.7 72.7 109.1



#32
1,1,1-Trichloroethane
Concen: 52.01 ug/l
RT: 5.49 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 97 Resp: 161631
Ion Ratio Lower Upper
97 100
99 64.7 50.9 76.3
61 47.6 39.2 58.8

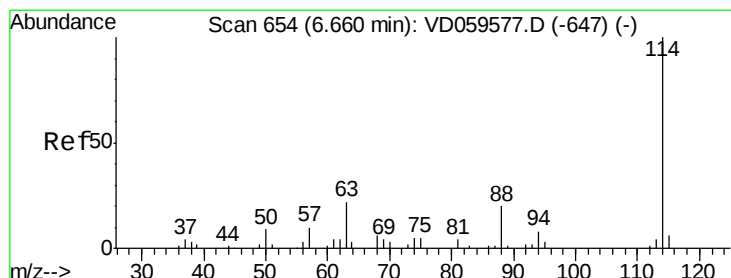
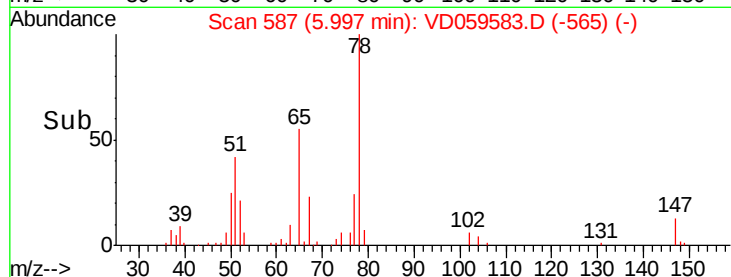
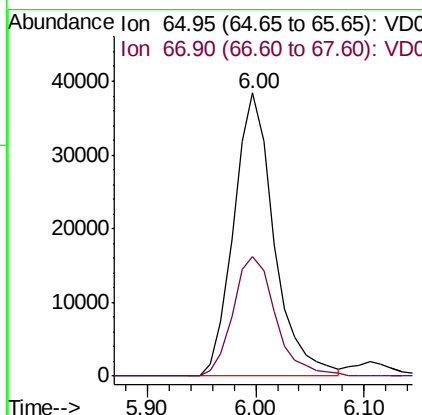
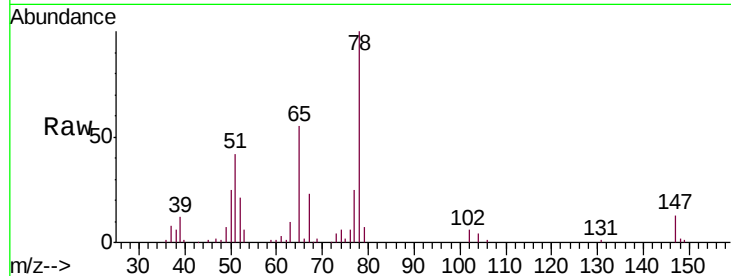




#33
 1,2-Dichloroethane-d4
 Concen: 52.01 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

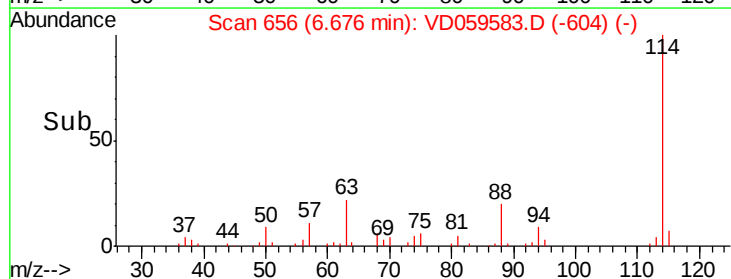
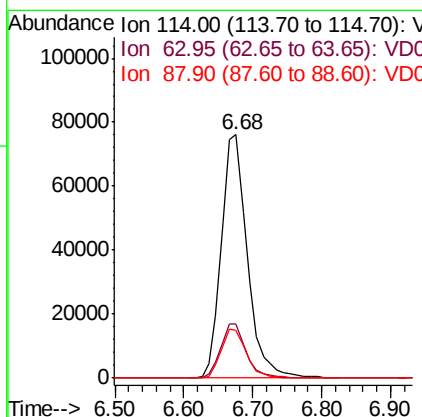
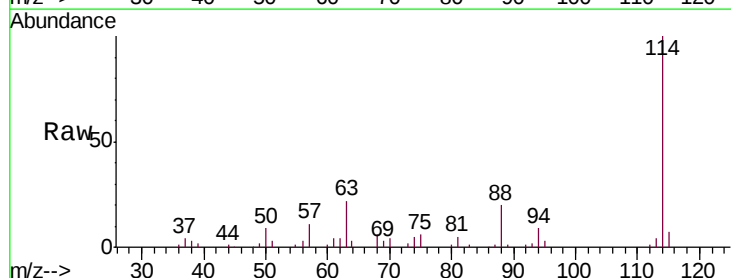
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

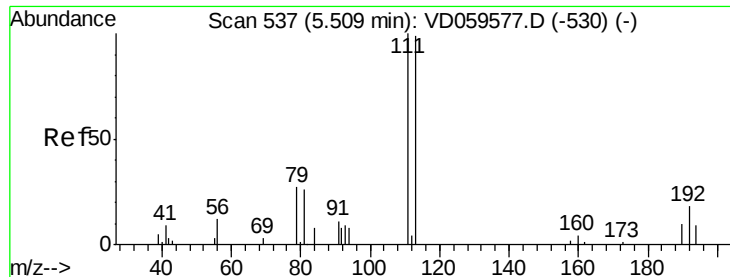
Tot Ion: 65 Resp: 99611
 Ion Ratio Lower Upper
 65 100
 67 42.2 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion: 114 Resp: 199456
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 19.9 0.0 39.0

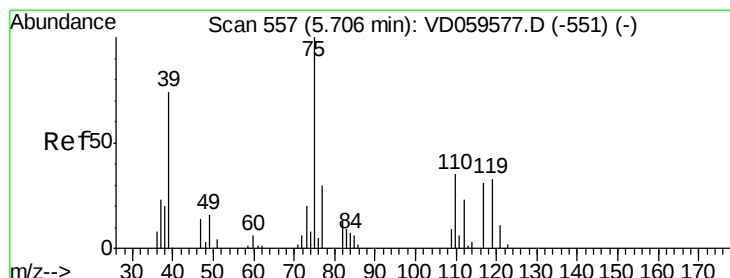
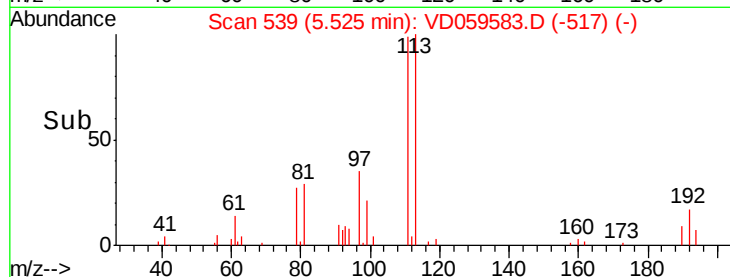
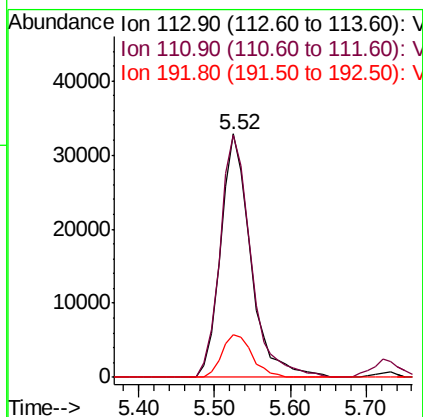
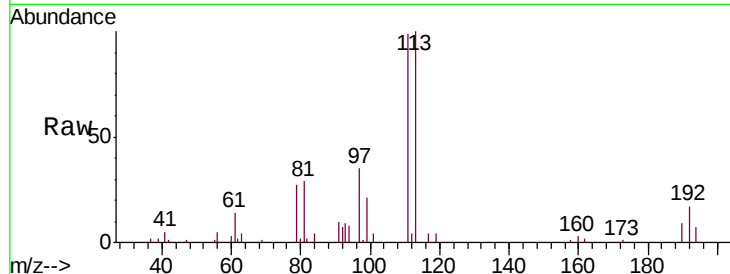




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

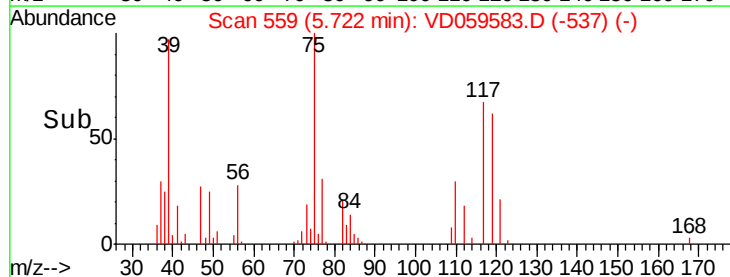
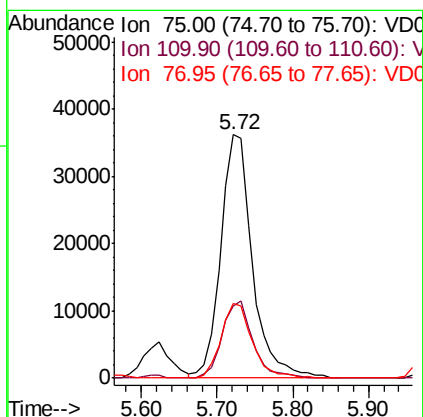
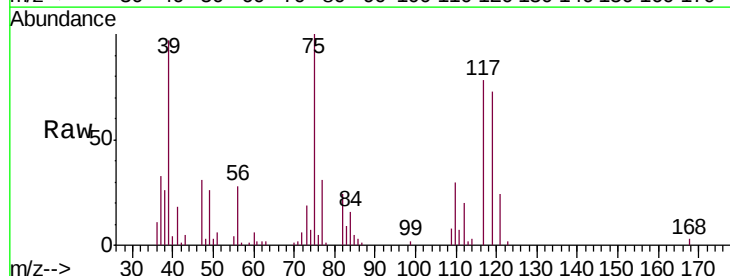
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

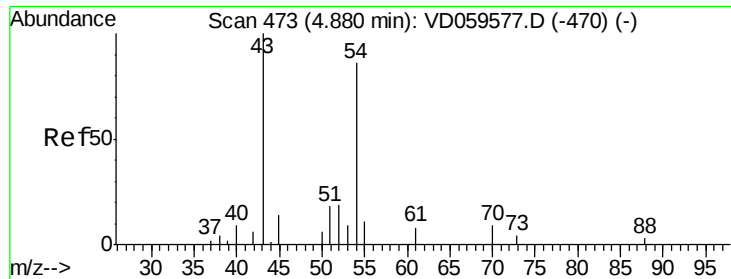
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	80.5	120.7
192	17.3	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 52.35 ug/l
 RT: 5.72 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.6	17.0	50.9
77	30.7	23.6	35.4

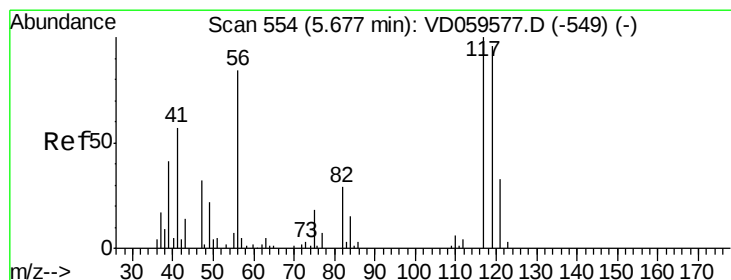
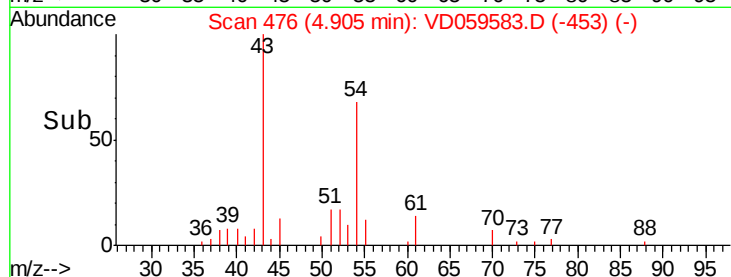
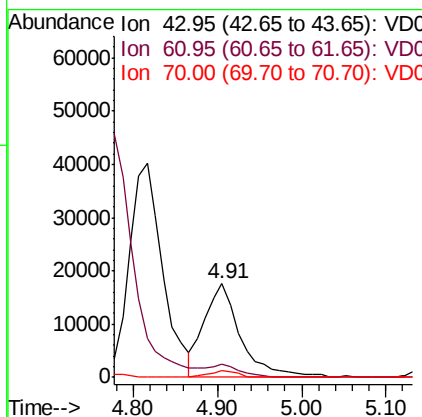
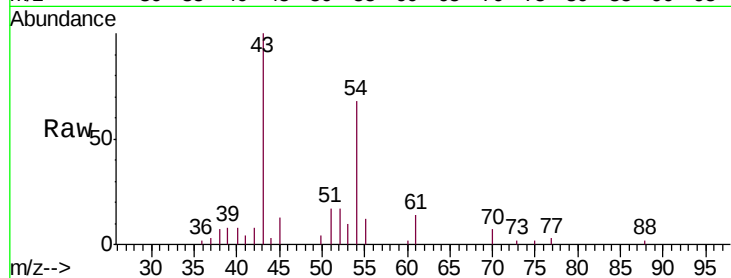




#37
Ethyl Acetate
Concen: 51.04 ug/l
RT: 4.91 min Scan# 476
Delta R.T. 0.03 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

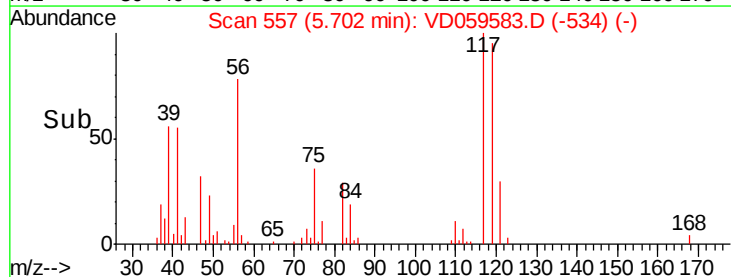
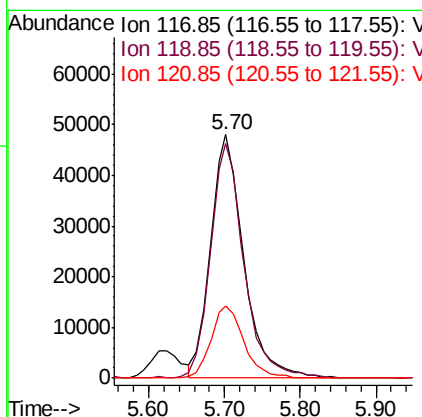
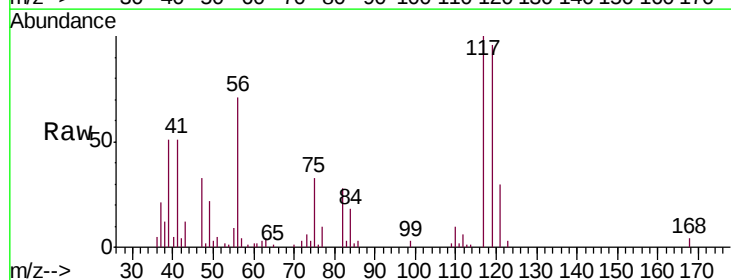
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

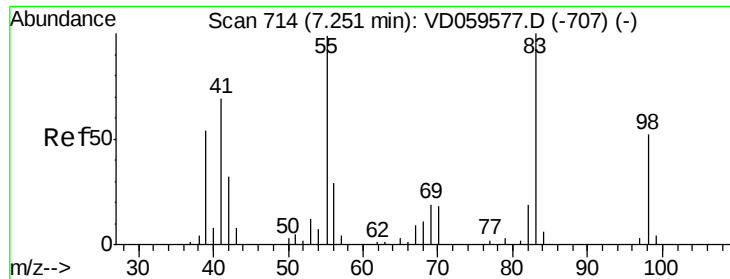
Tot Ion: 43 Resp: 52549
Ion Ratio Lower Upper
43 100
61 14.0 10.7 16.1
70 7.3 5.4 8.0



#38
Carbon Tetrachloride
Concen: 53.56 ug/l
RT: 5.70 min Scan# 557
Delta R.T. 0.03 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 117 Resp: 146788
Ion Ratio Lower Upper
117 100
119 96.2 73.6 110.4
121 29.8 25.0 37.6

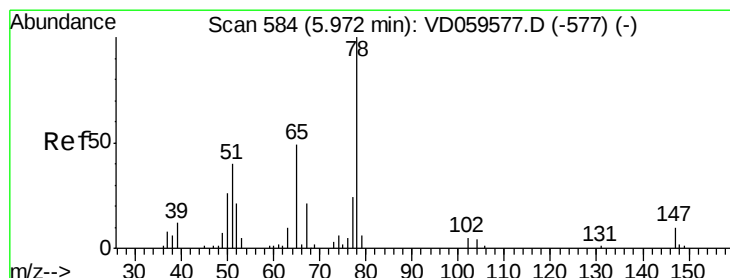
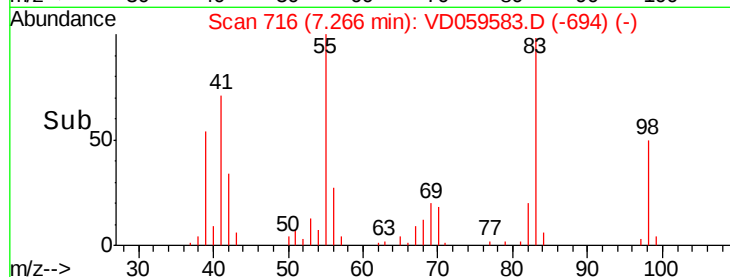
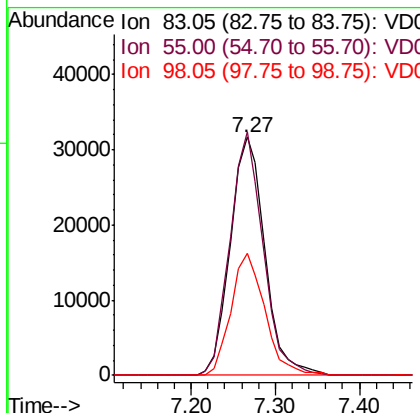
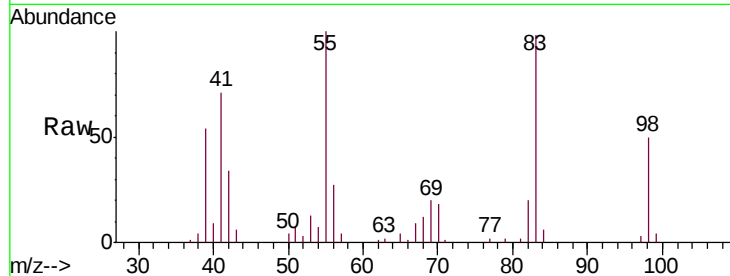




#39
Methylcyclohexane
Concen: 49.12 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

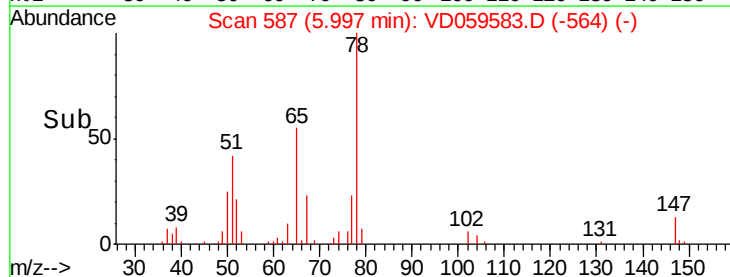
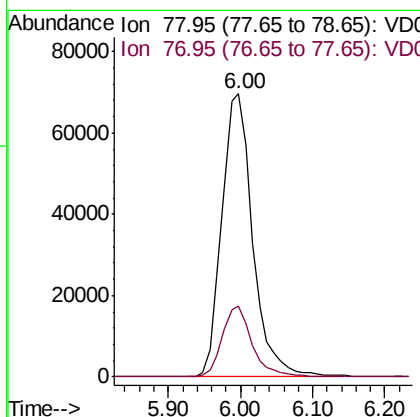
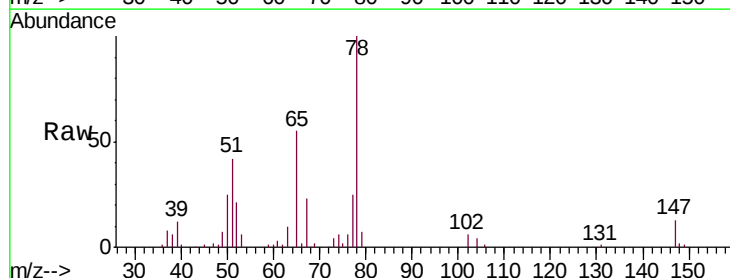
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

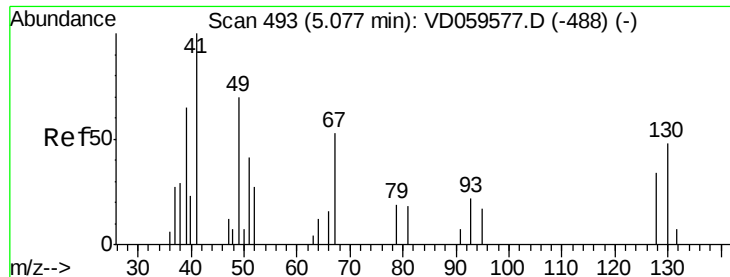
Tot Ion: 83 Resp: 90407
Ion Ratio Lower Upper
83 100
55 102.3 79.4 119.0
98 51.4 41.6 62.4



#40
Benzene
Concen: 50.27 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.03 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 78 Resp: 206312
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6

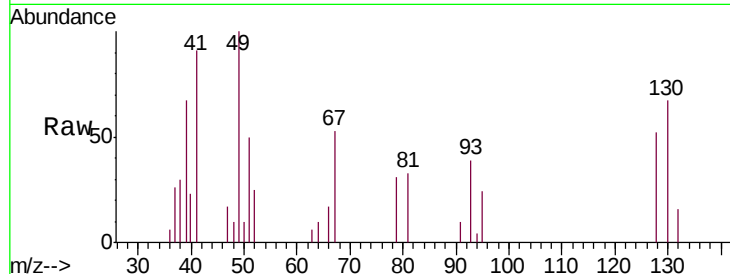




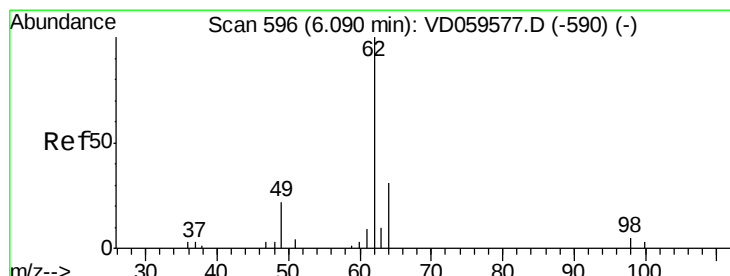
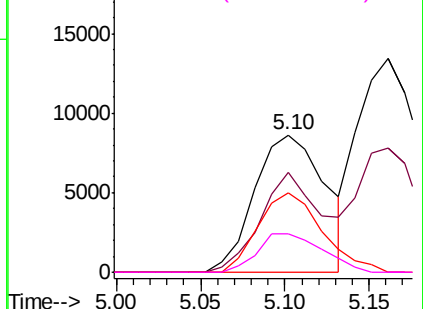
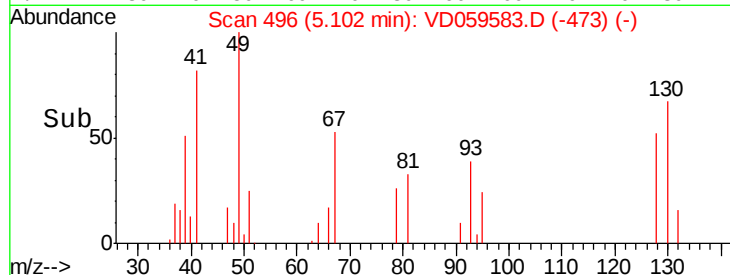
#41
Methacrylonitrile
Concen: 48.88 ug/l
RT: 5.10 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 25112
Ion Ratio Lower Upper
41 100
39 72.7 52.1 78.1
67 57.5 42.5 63.7
52 27.6 21.8 32.8

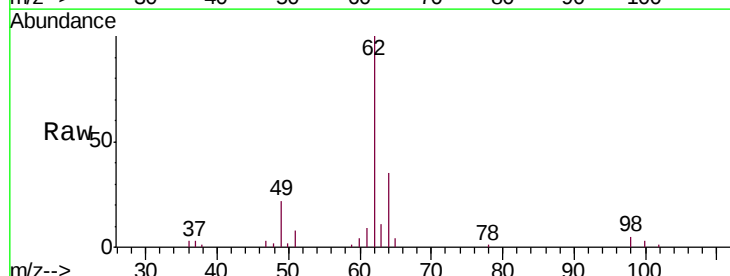


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

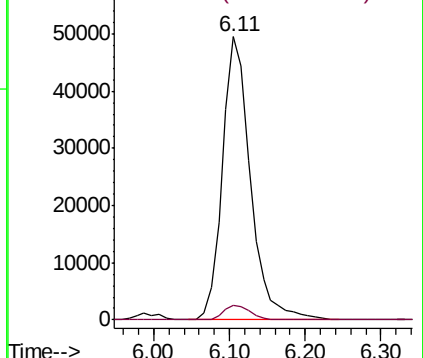
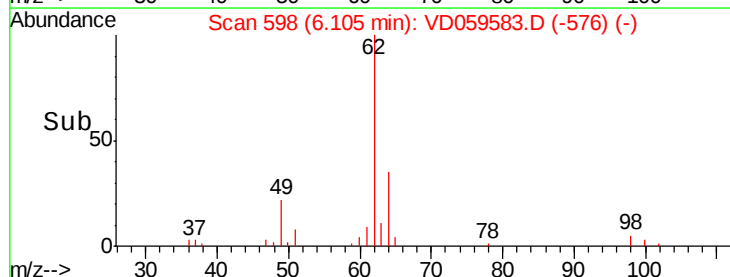


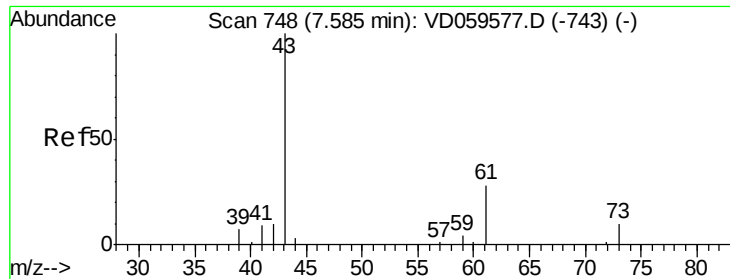
#42
1,2-Dichloroethane
Concen: 51.32 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 62 Resp: 126920
Ion Ratio Lower Upper
62 100
98 5.0 0.0 10.2



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



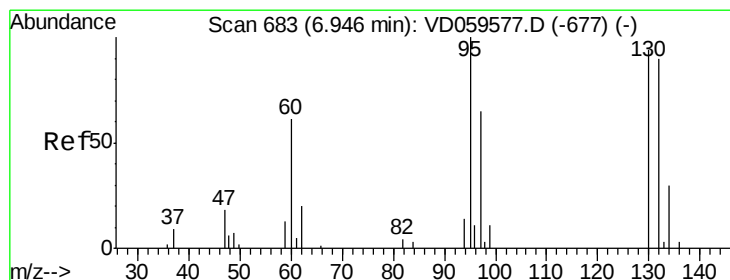
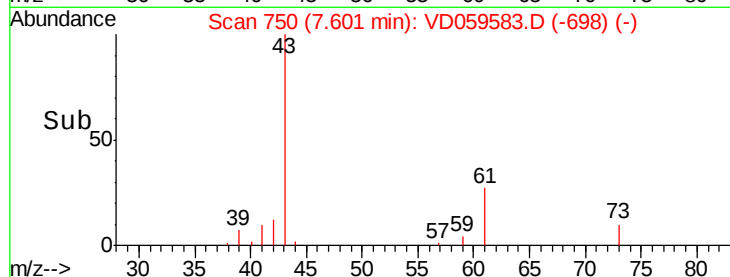
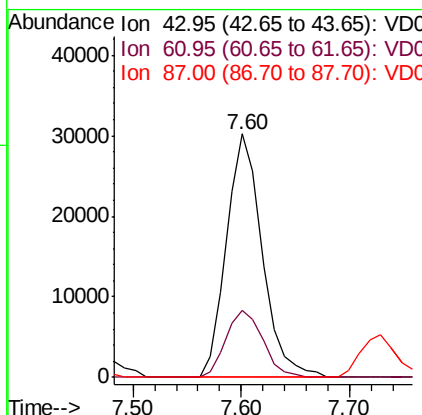
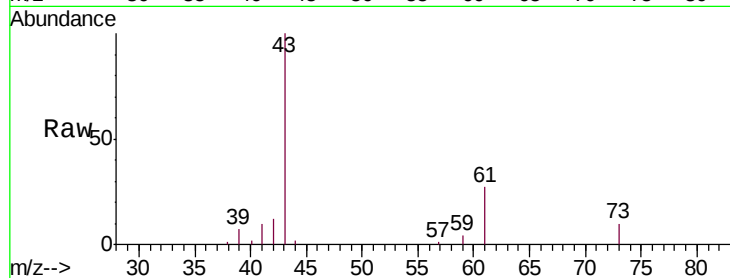


#43

Isopropyl Acetate
 Concen: 48.51 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

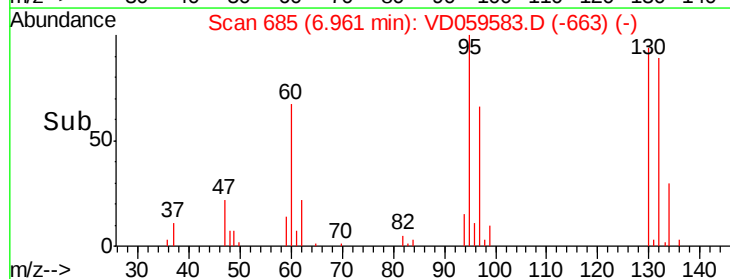
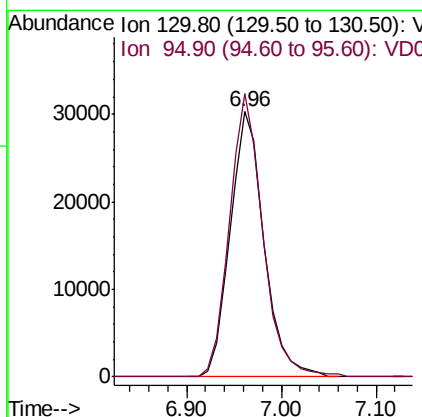
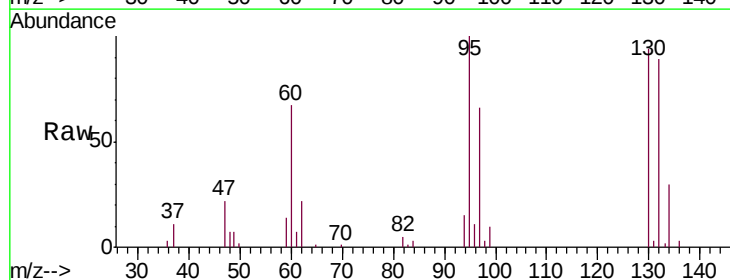
Tot Ion: 43 Resp: 69259
 Ion Ratio Lower Upper
 43 100
 61 27.3 22.0 33.0
 87 0.0 0.0 0.0

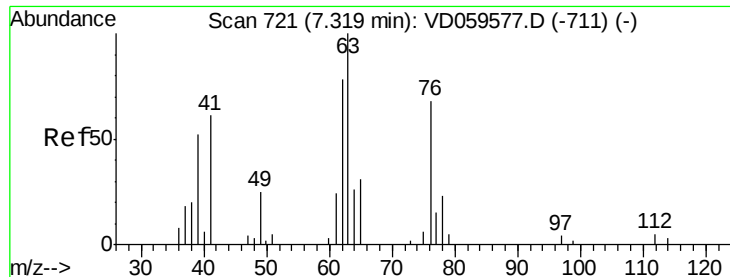


#44

Trichloroethene
 Concen: 50.35 ug/l
 RT: 6.96 min Scan# 685
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion:130 Resp: 74951
 Ion Ratio Lower Upper
 130 100
 95 106.8 0.0 213.2





#45

1,2-Dichloropropane

Concen: 50.83 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

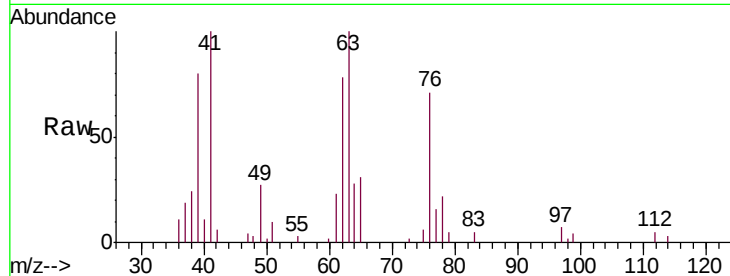
VSTDCCC050

Tot Ion: 63 Resp: 58422

Ion Ratio Lower Upper

63 100

65 31.5 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

25000

20000

15000

10000

5000

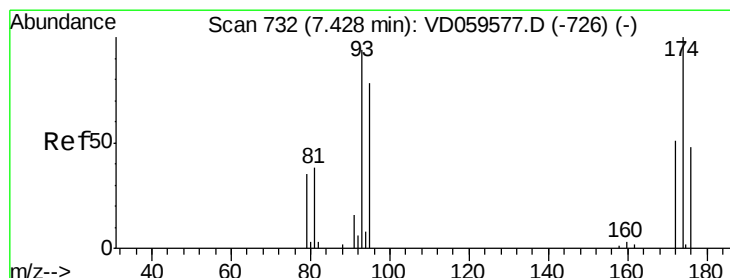
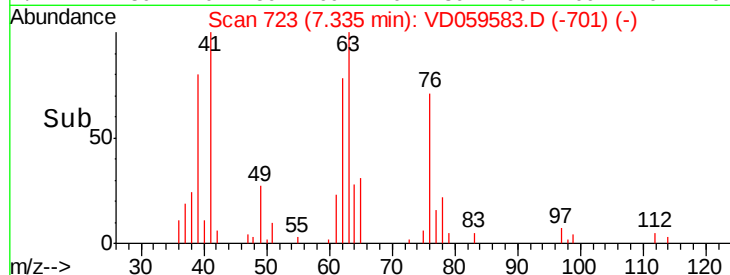
0

7.20

7.30

7.40

Time-->



#46

Dibromomethane

Concen: 51.70 ug/l

RT: 7.44 min Scan# 734

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

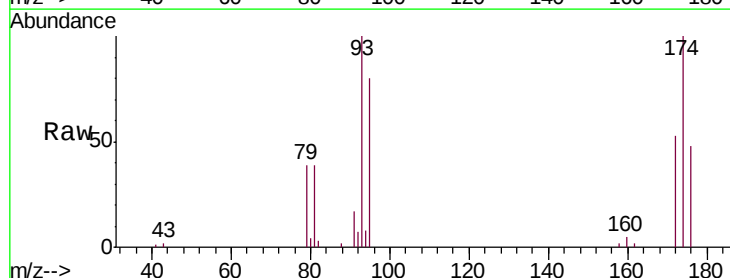
Tgt Ion: 93 Resp: 50228

Ion Ratio Lower Upper

93 100

95 80.2 65.8 98.8

174 99.7 84.7 127.1



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

30000

25000

20000

15000

10000

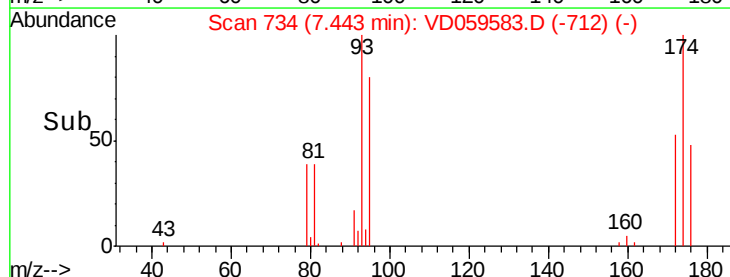
5000

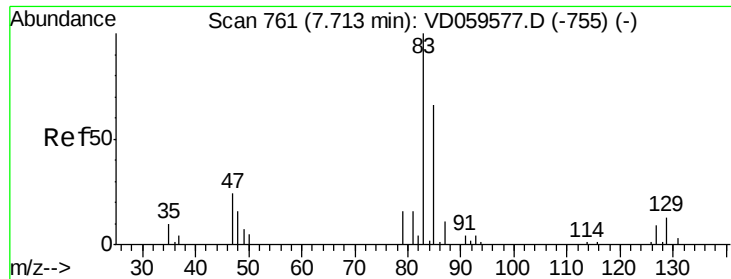
0

7.40

7.50

Time-->





#47

Bromodichloromethane

Concen: 52.08 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

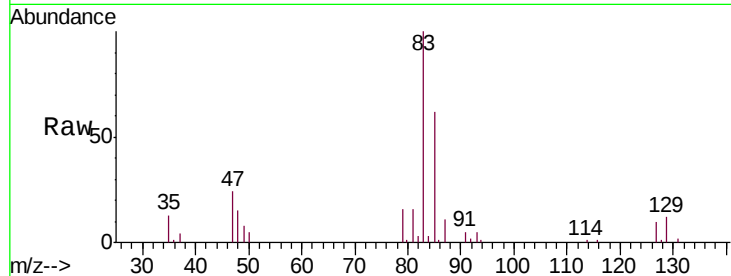
Tot Ion: 83 Resp: 120853

Ion Ratio Lower Upper

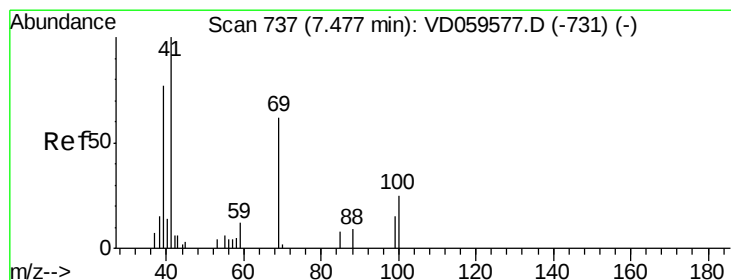
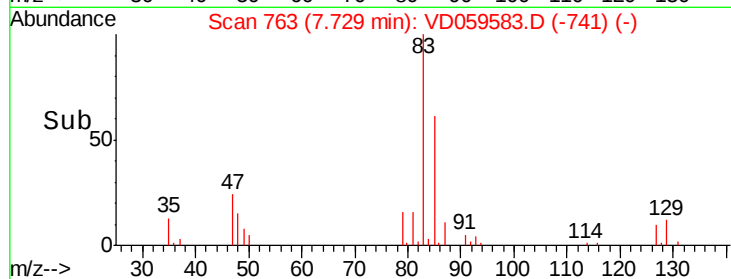
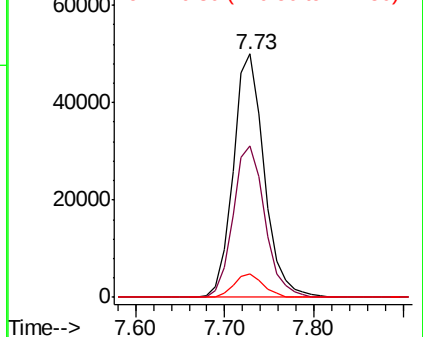
83 100

85 62.2 53.1 79.7

127 9.6 7.4 11.0



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



#48

Methyl methacrylate

Concen: 53.00 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

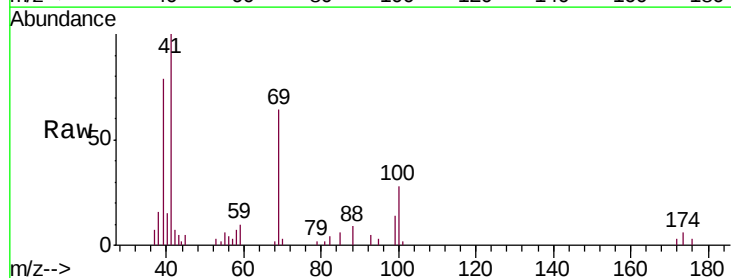
Tgt Ion: 41 Resp: 50180

Ion Ratio Lower Upper

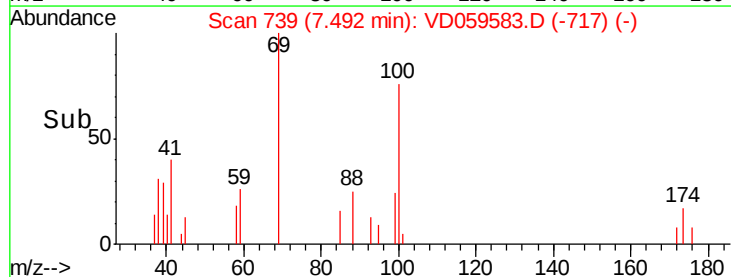
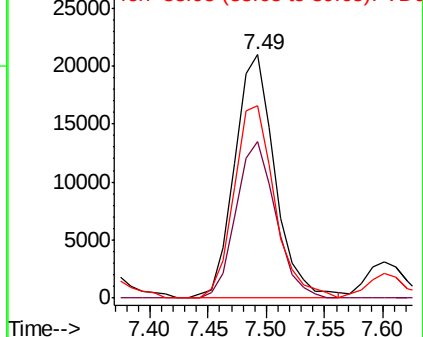
41 100

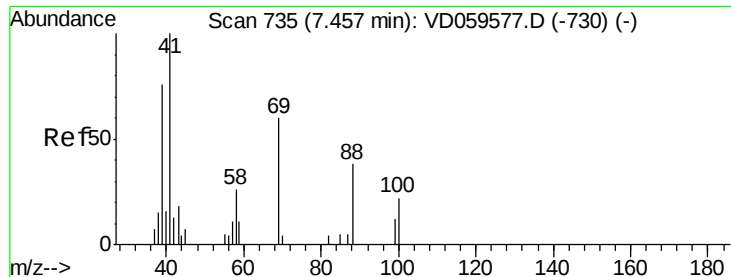
69 64.5 49.4 74.0

39 79.3 61.3 91.9



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

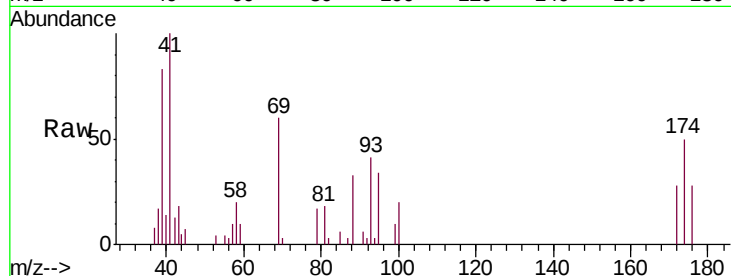




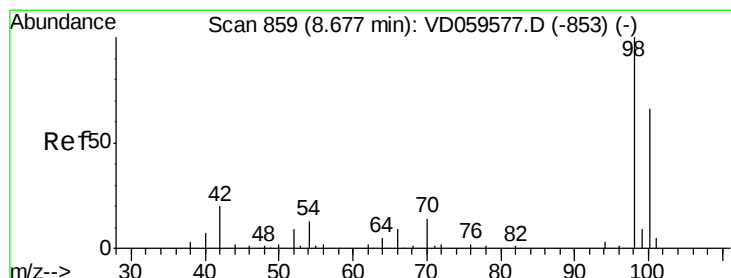
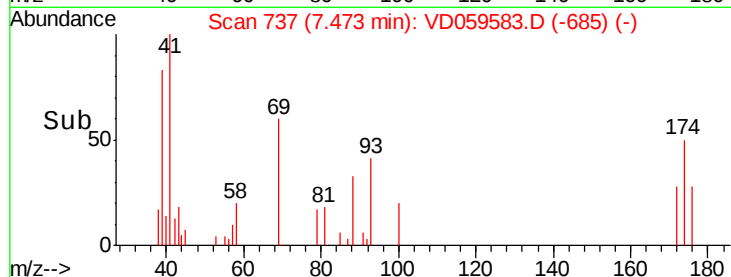
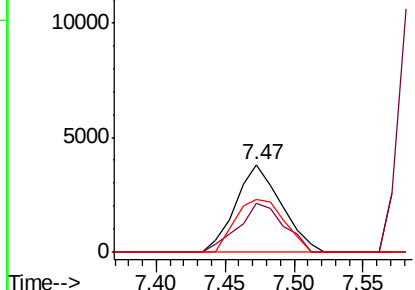
#49
1,4-Dioxane
Concen: 993.09 ug/l
RT: 7.47 min Scan# 737
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 8794
Ion Ratio Lower Upper
88 100
43 55.8 37.4 56.2
58 60.2 55.6 83.4

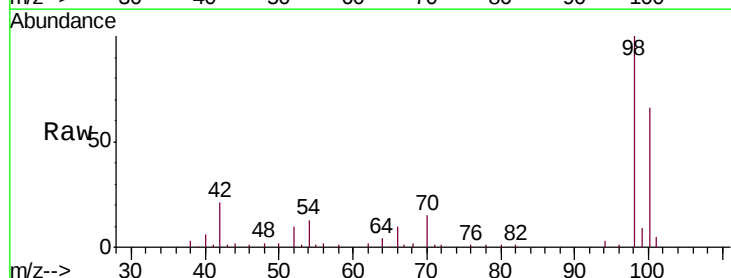


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

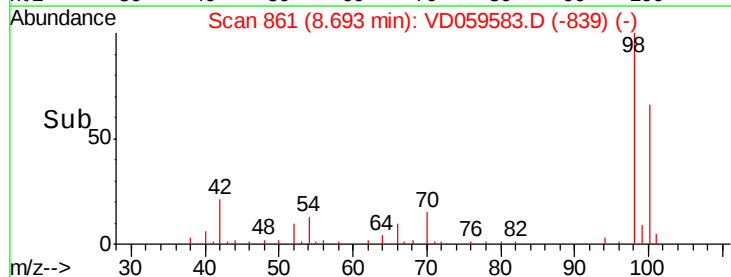
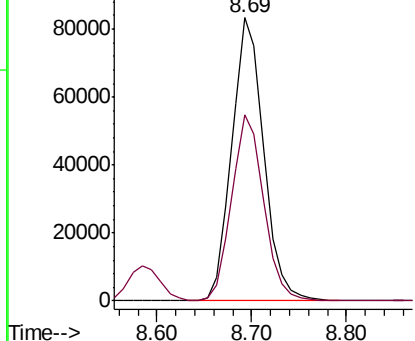


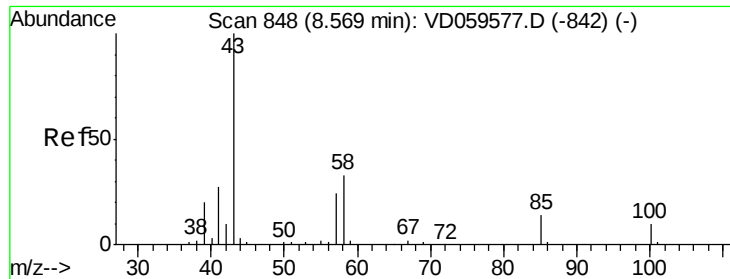
#50
Toluene-d8
Concen: 993.09 ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 98 Resp: 193652
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 230.13 ug/l

RT: 8.58 min Scan# 850

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

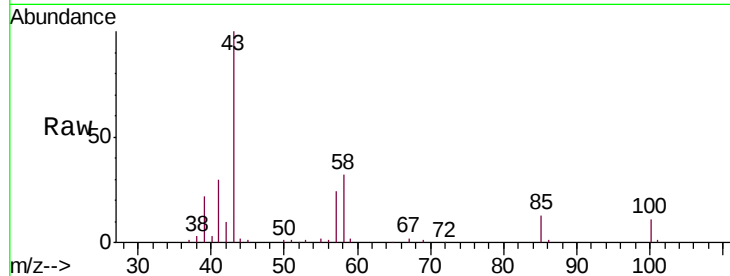
VSTDCCC050

Tot Ion: 43 Resp: 219394

Ion Ratio Lower Upper

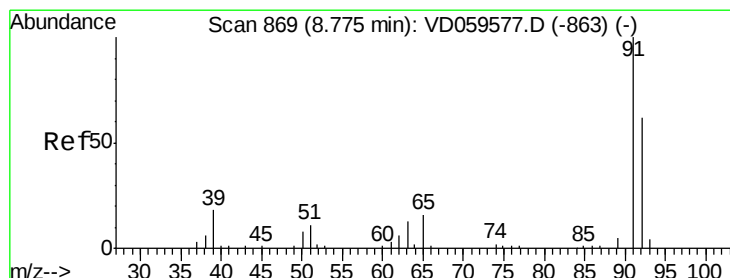
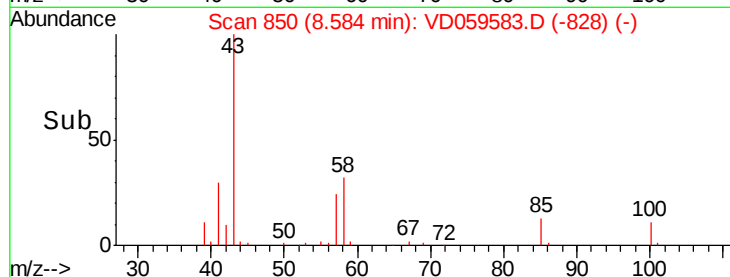
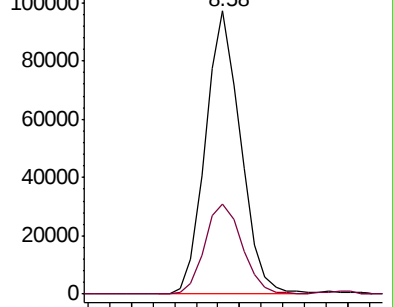
43 100

58 31.9 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.00 ug/l

RT: 8.79 min Scan# 871

Delta R.T. 0.02 min

Lab File: VD059583.D

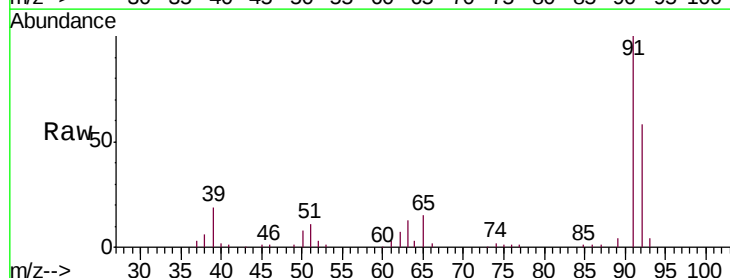
Acq: 25 Jul 2018 11:52

Tgt Ion: 92 Resp: 133344

Ion Ratio Lower Upper

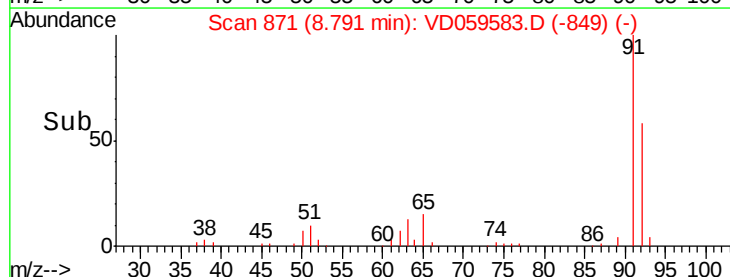
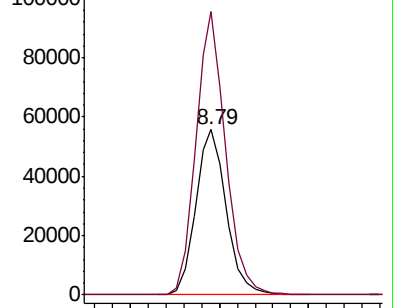
92 100

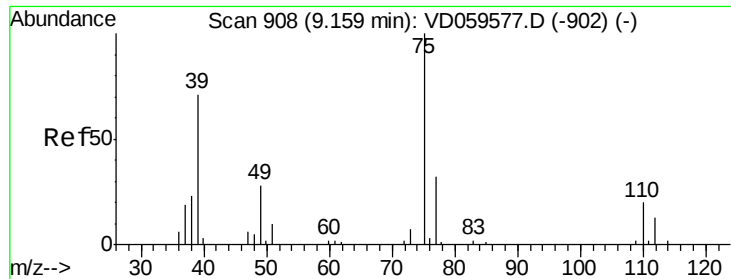
91 171.2 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

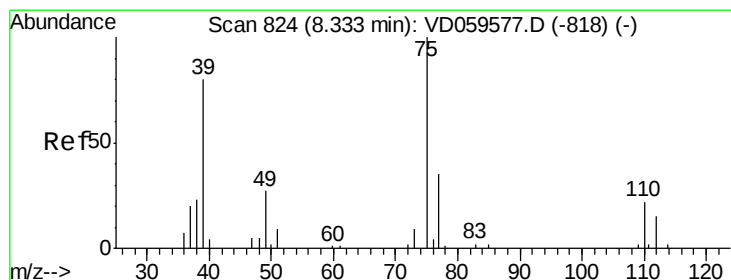
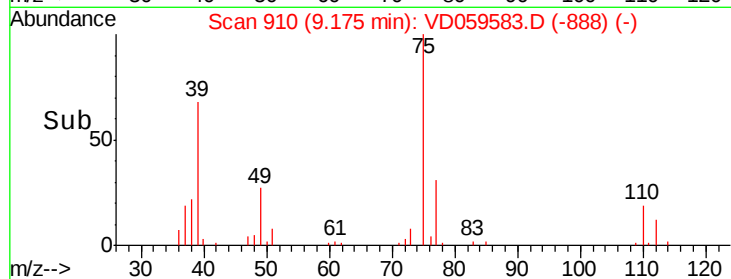
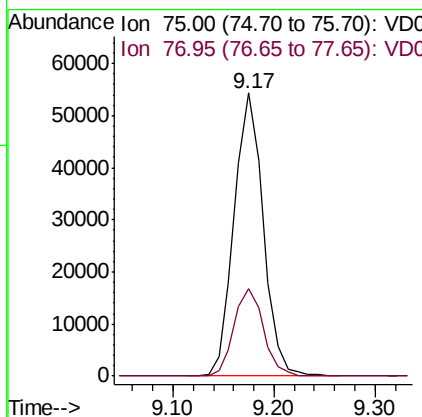
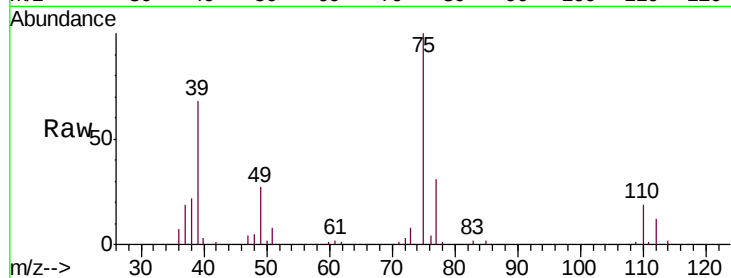




#53
 t-1,3-Dichloropropene
 Concen: 52.13 ug/l
 RT: 9.17 min Scan# 910
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

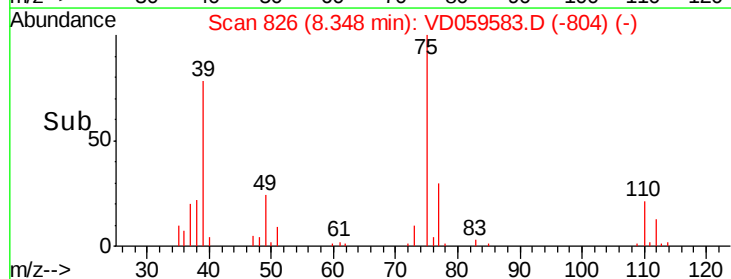
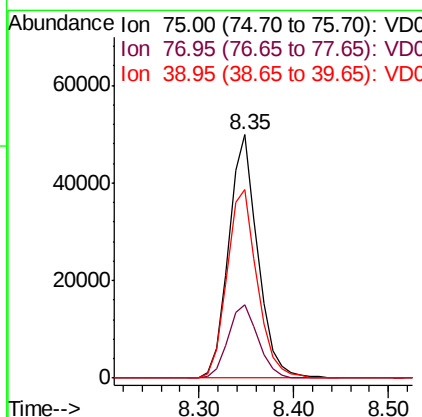
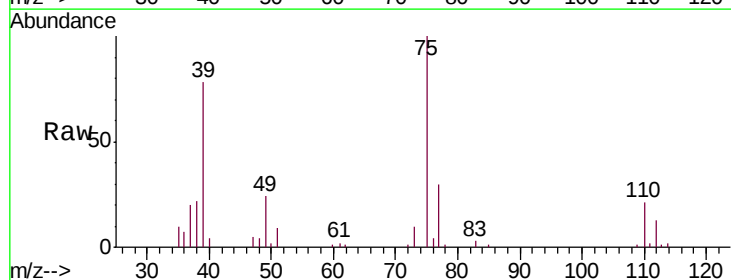
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

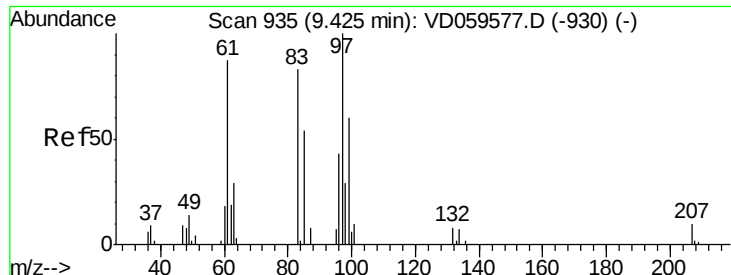
Tot Ion: 75 Resp: 109113
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 50.94 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion: 75 Resp: 105861
 Ion Ratio Lower Upper
 75 100
 77 30.2 27.7 41.5
 39 77.6 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 47.04 ug/l

RT: 9.44 min Scan# 937

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 48098

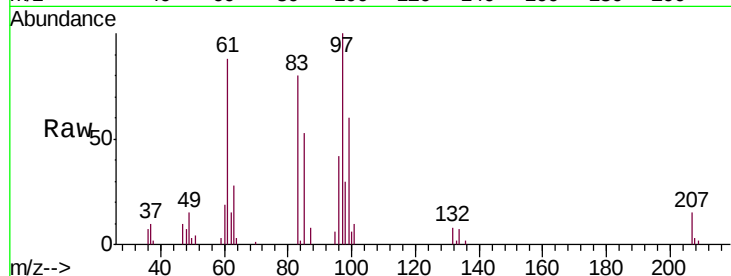
Ion Ratio Lower Upper

97 100

83 79.7 66.3 99.5

85 52.6 43.0 64.6

99 59.7 47.7 71.5

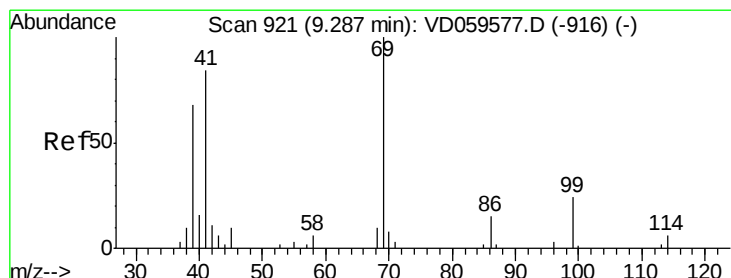
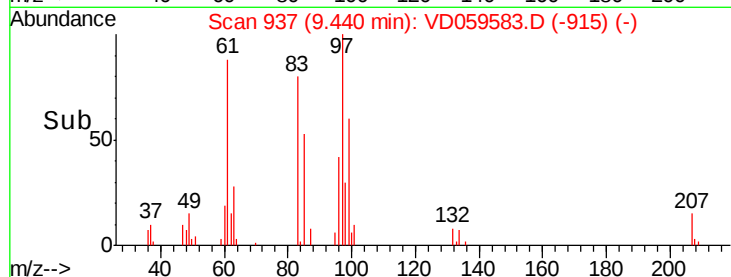
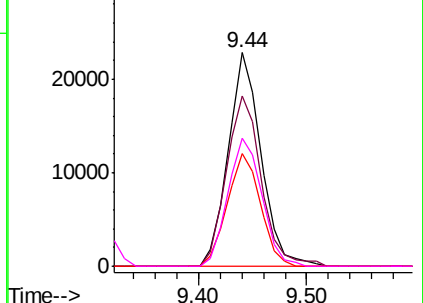


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.22 ug/l

RT: 9.30 min Scan# 923

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

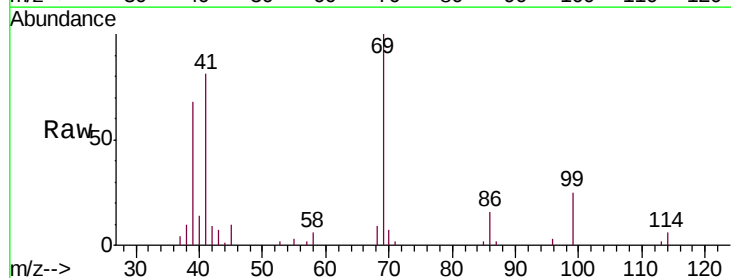
Tgt Ion: 69 Resp: 64059

Ion Ratio Lower Upper

69 100

41 81.3 66.8 100.2

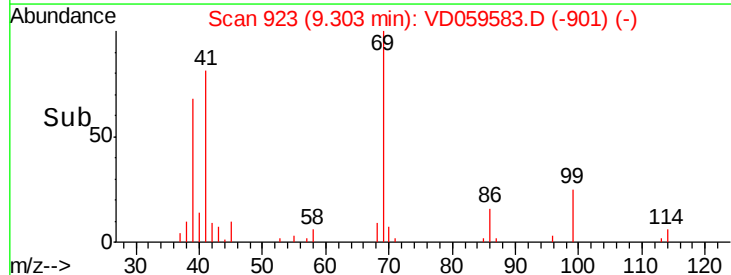
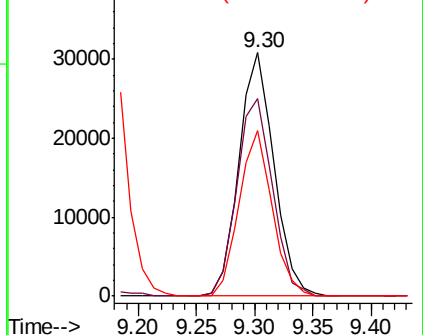
39 67.9 54.7 82.1

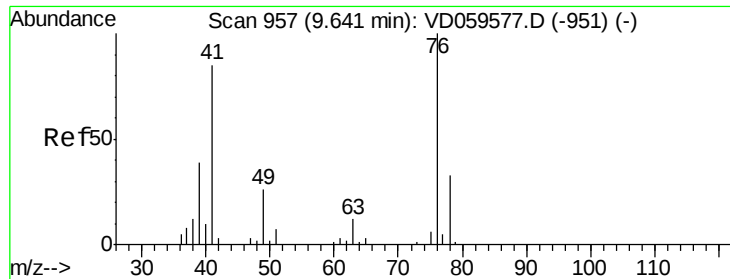


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 49.27 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

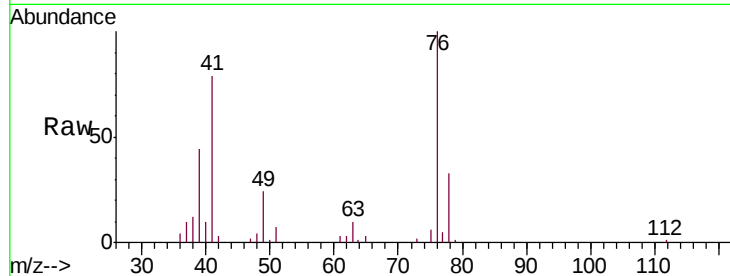
VSTDCCC050

Tot Ion: 76 Resp: 80049

Ion Ratio Lower Upper

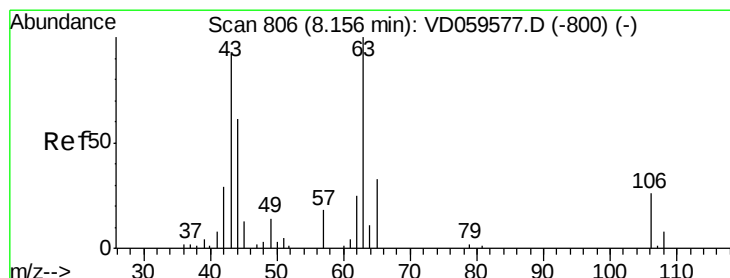
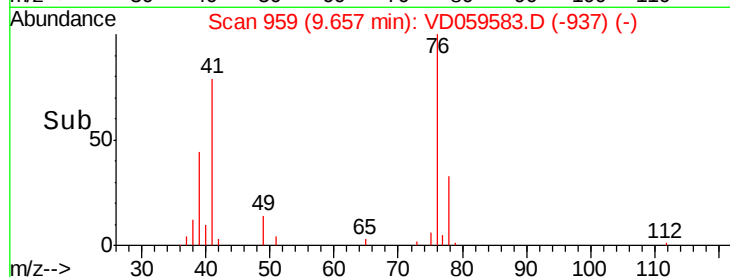
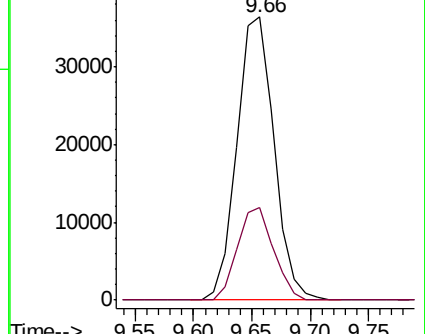
76 100

78 32.6 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 253.99 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059583.D

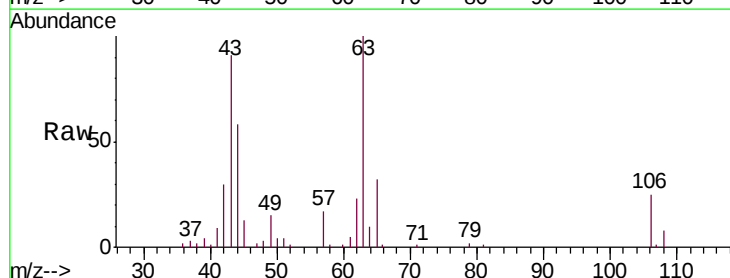
Acq: 25 Jul 2018 11:52

Tgt Ion: 63 Resp: 138444

Ion Ratio Lower Upper

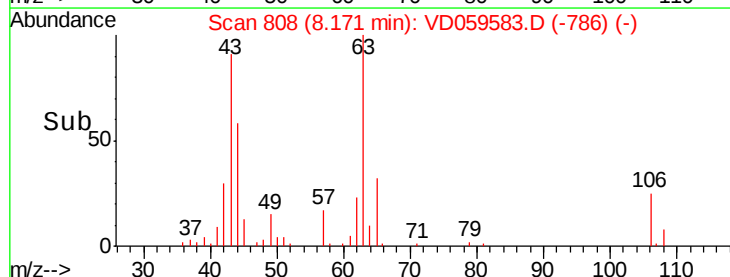
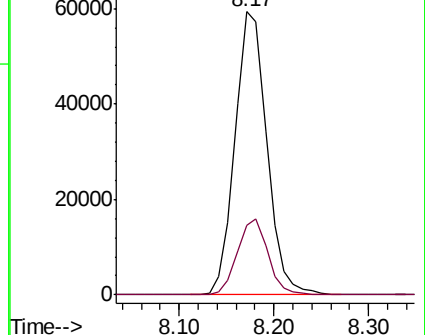
63 100

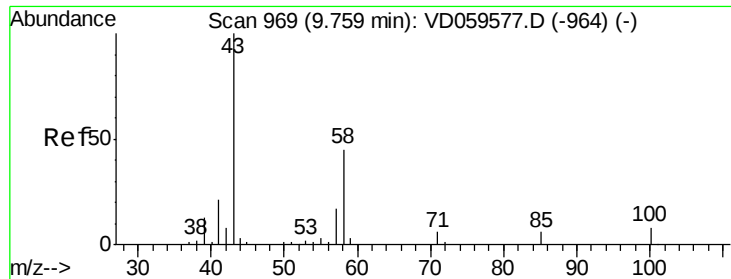
106 24.7 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

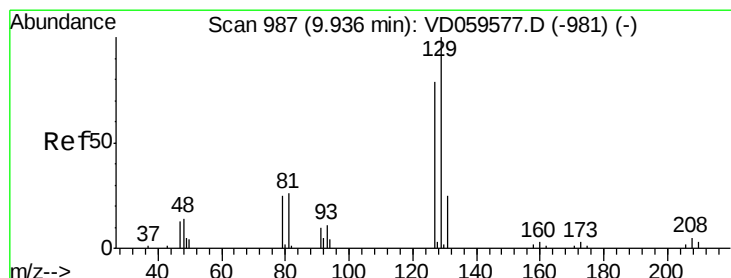
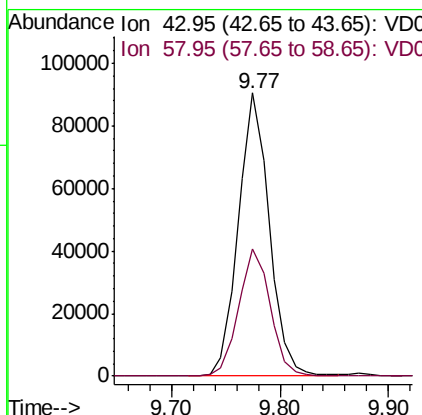
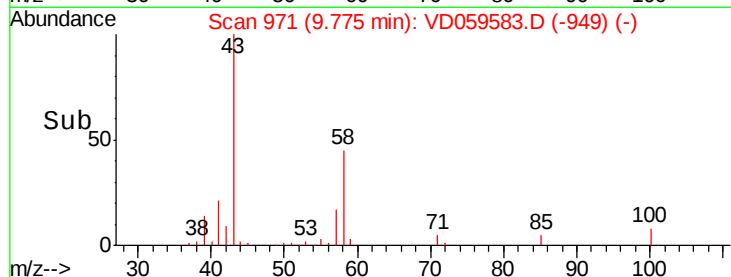
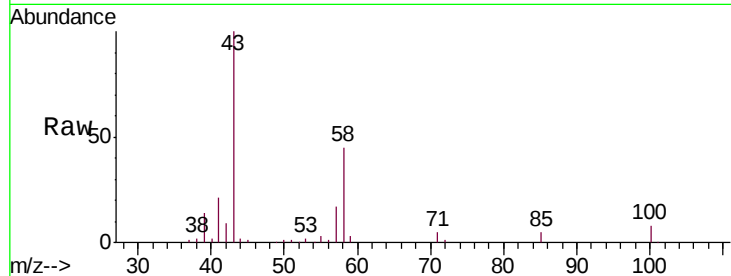




#59
2-Hexanone
Concen: 237.25 ug/l
RT: 9.77 min Scan# 971
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

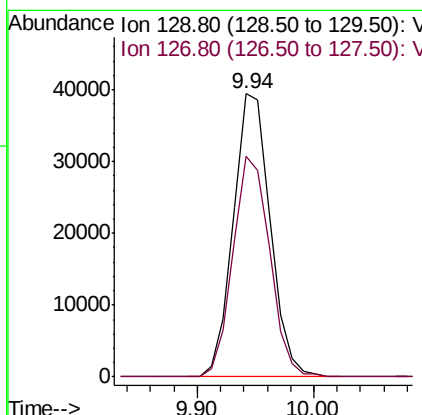
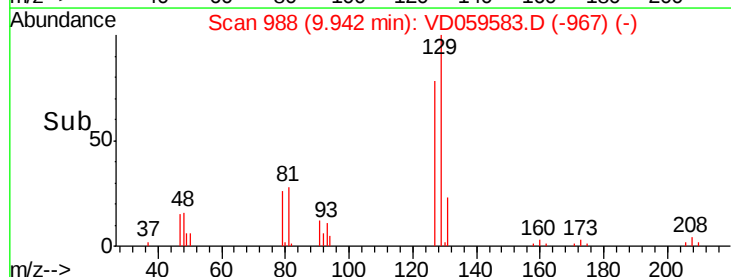
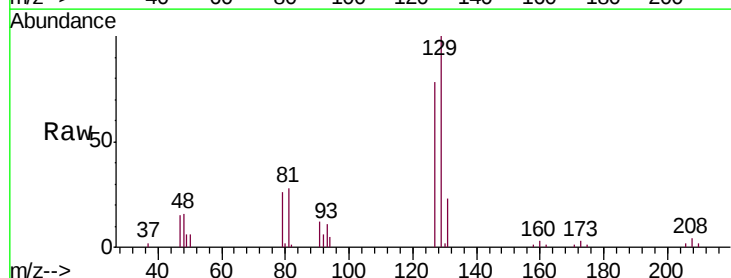
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

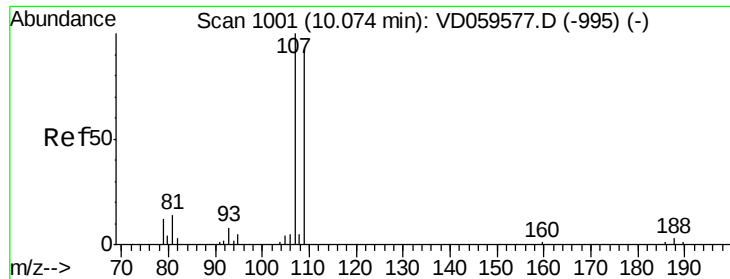
Tot Ion: 43 Resp: 179655
Ion Ratio Lower Upper
43 100
58 45.0 22.7 68.1



#60
Dibromochloromethane
Concen: 50.98 ug/l
RT: 9.94 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion:129 Resp: 86541
Ion Ratio Lower Upper
129 100
127 77.8 39.3 117.9





#61

1,2-Dibromoethane

Concen: 50.36 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

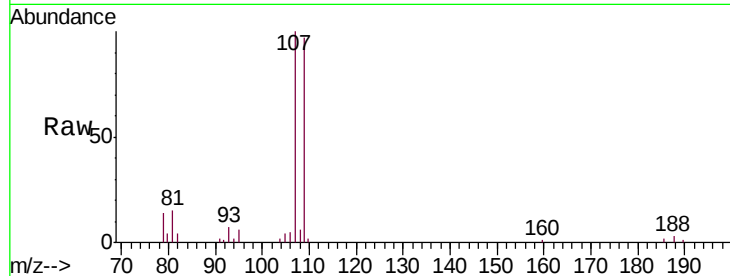
VSTDCCC050

Tot Ion:107 Resp: 61019

Ion Ratio Lower Upper

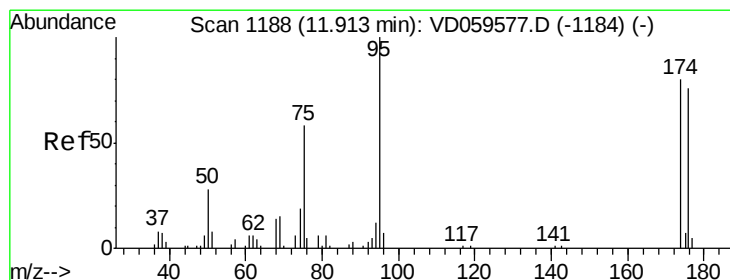
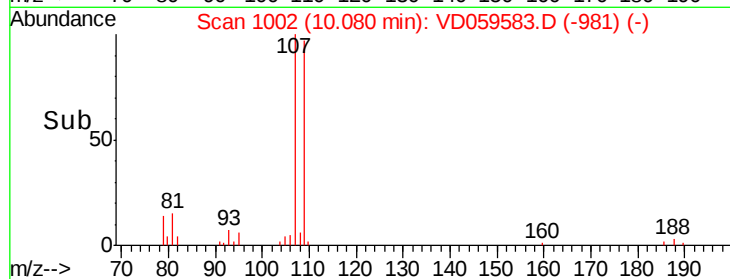
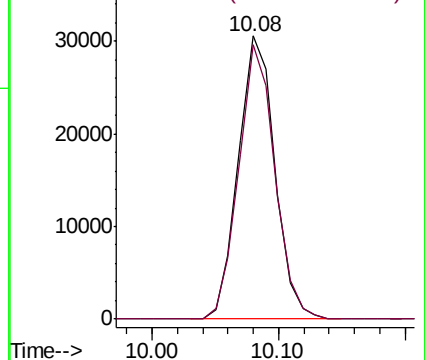
107 100

109 97.0 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 50.36 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

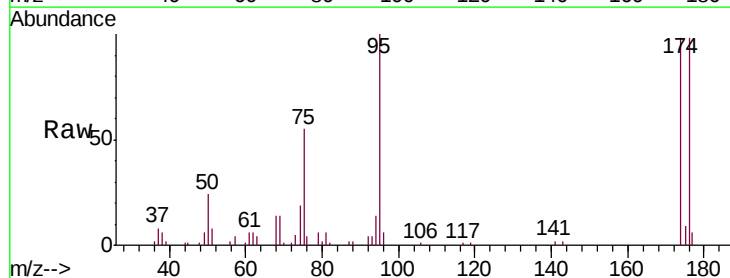
Tgt Ion: 95 Resp: 90321

Ion Ratio Lower Upper

95 100

174 97.9 0.0 160.6

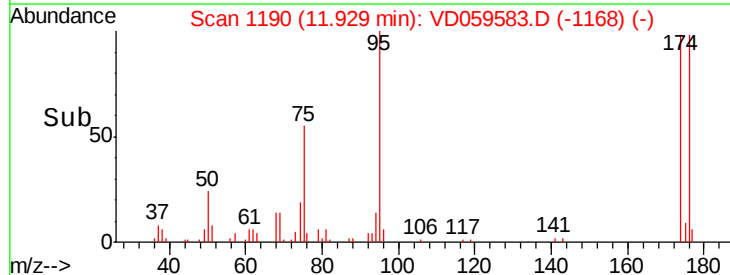
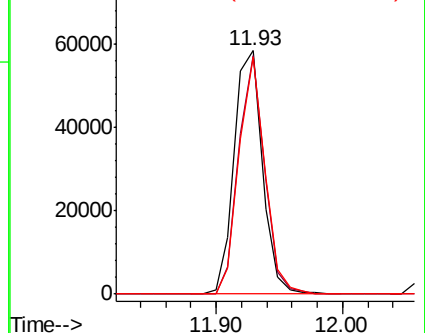
176 97.6 0.0 152.8

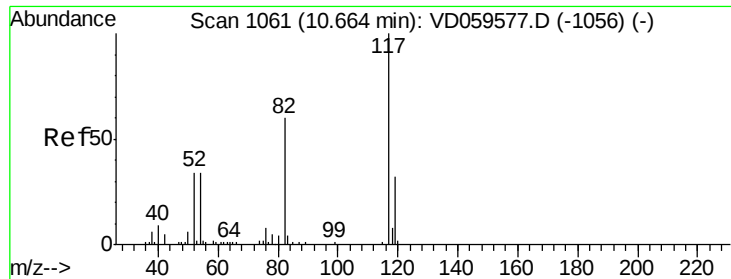


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

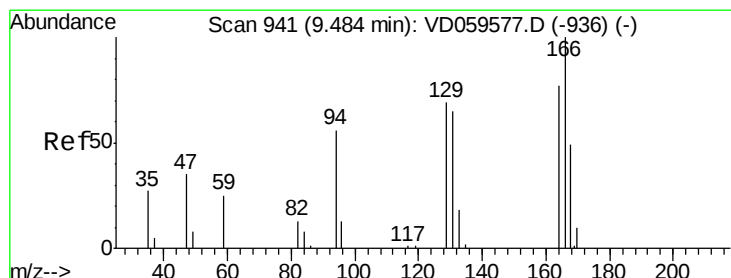
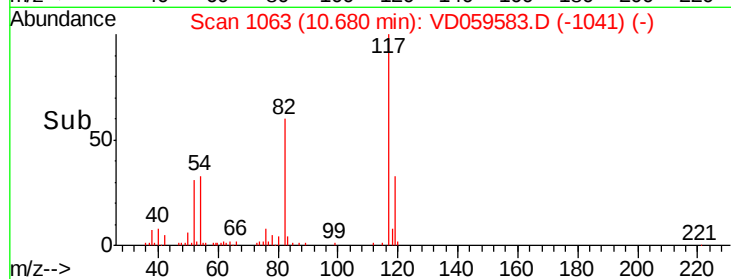
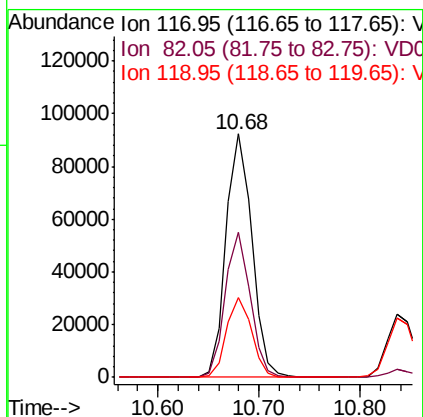
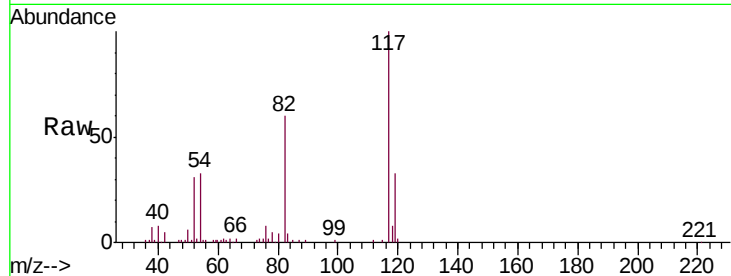




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

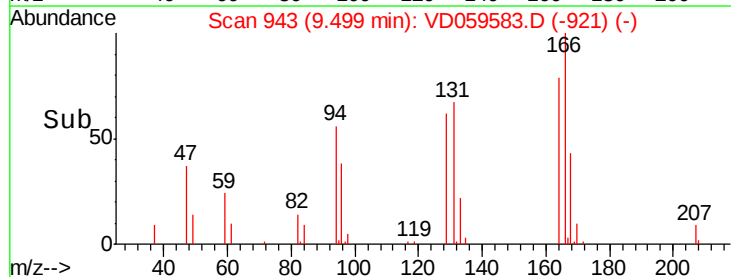
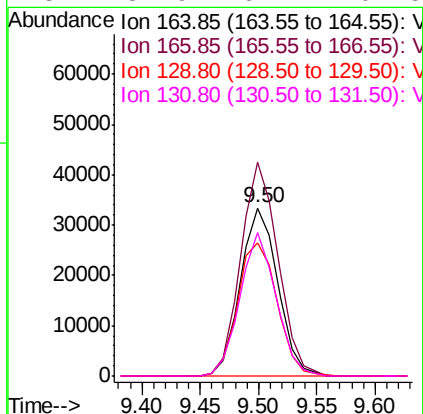
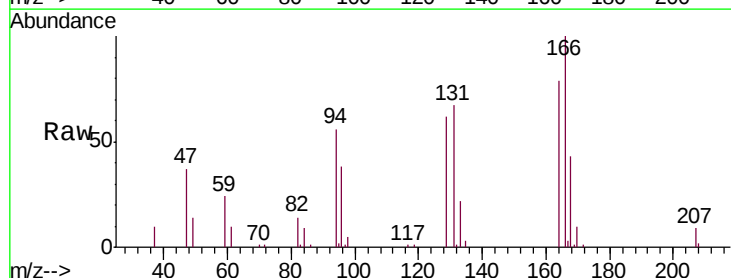
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

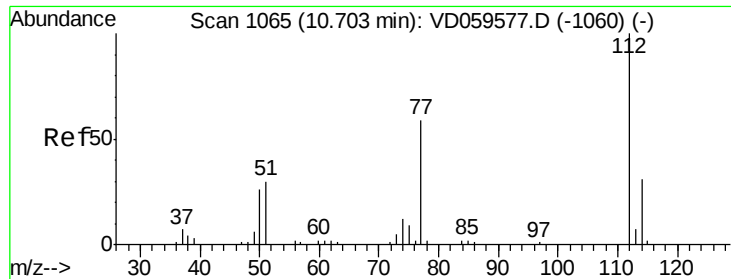
Tot Ion:117 Resp: 164563
Ion Ratio Lower Upper
117 100
82 59.8 48.2 72.2
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 49.69 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion:164 Resp: 74099
Ion Ratio Lower Upper
164 100
166 126.9 104.0 156.0
129 78.8 72.2 108.4
131 84.9 67.7 101.5

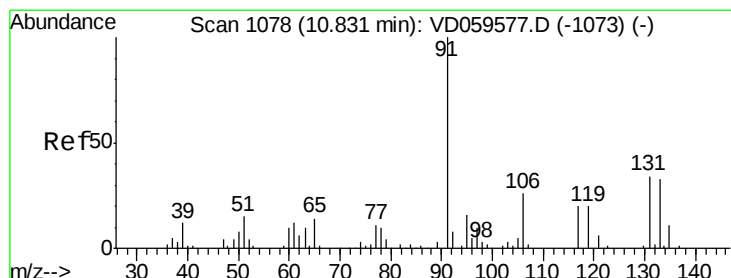
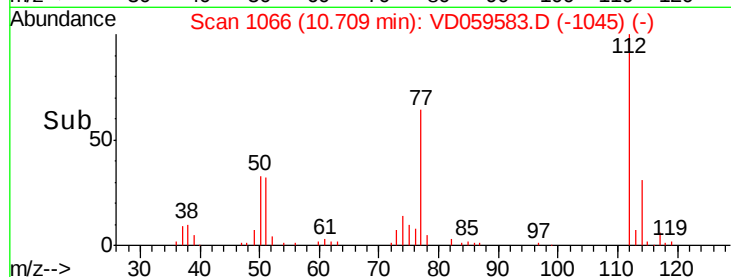
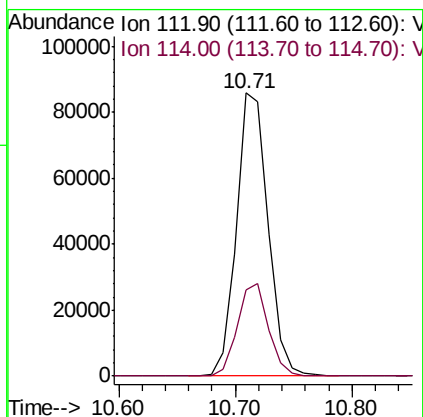
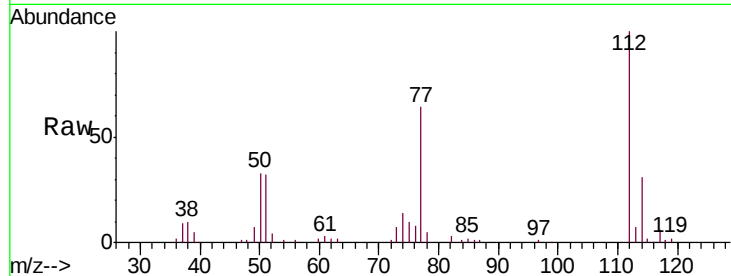




#65
Chlorobenzene
Concen: 47.47 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

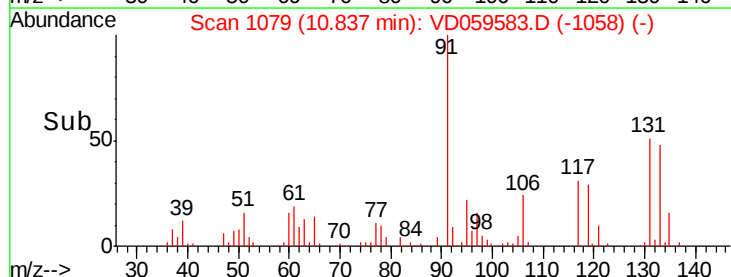
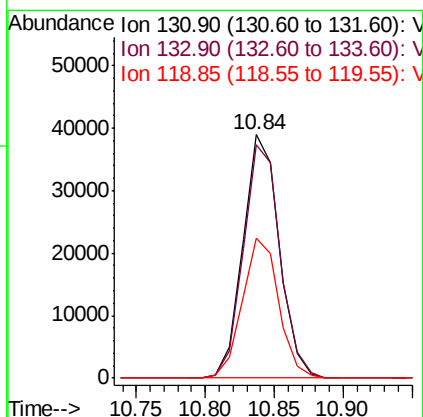
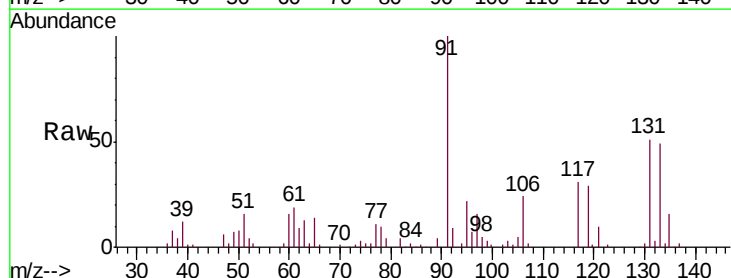
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

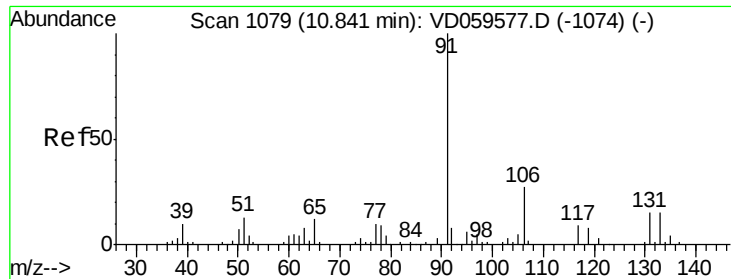
Tot Ion:112 Resp: 160152
Ion Ratio Lower Upper
112 100
114 30.7 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.73 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion:131 Resp: 71512
Ion Ratio Lower Upper
131 100
133 95.6 47.9 143.7
119 57.5 28.7 86.1

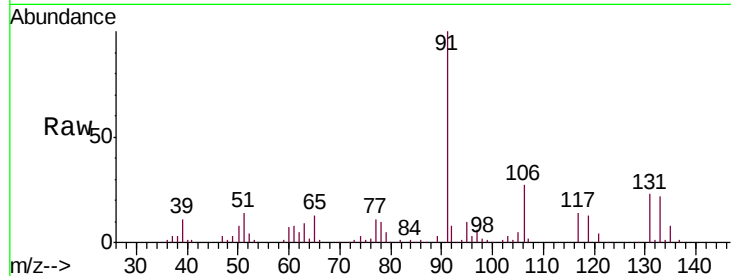




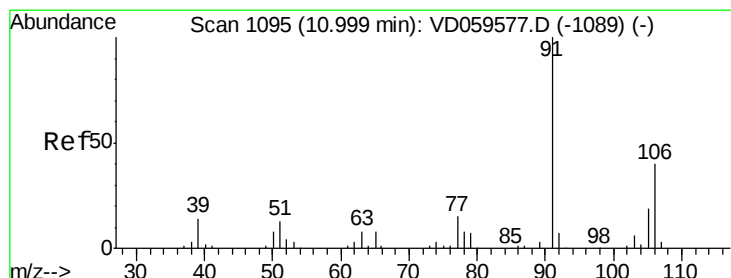
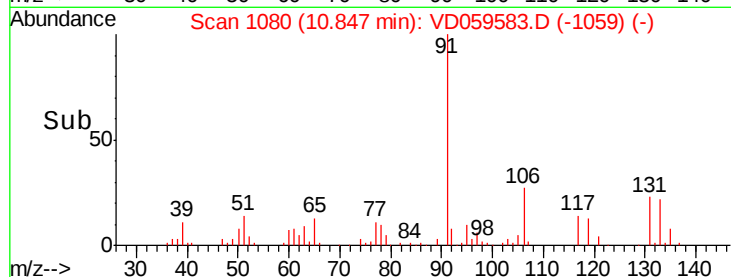
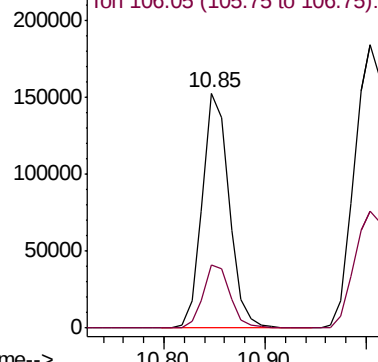
#67
Ethyl Benzene
Concen: 48.87 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 283399
Ion Ratio Lower Upper
91 100
106 26.9 21.6 32.4

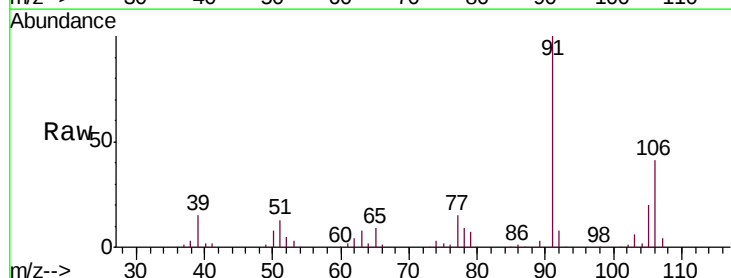


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

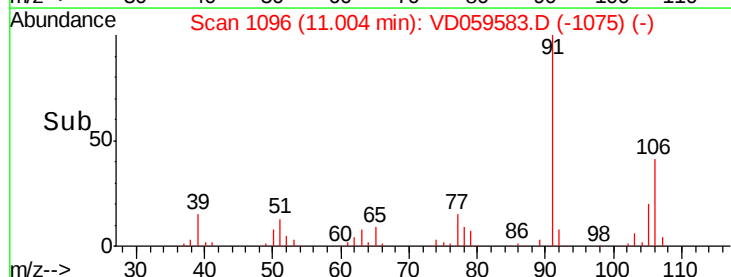
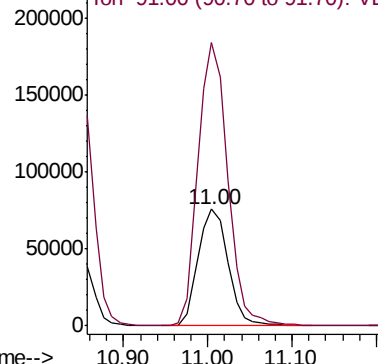


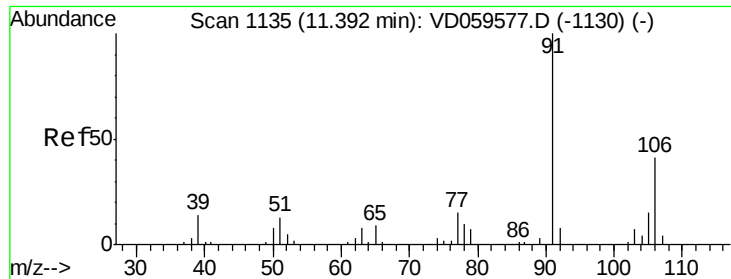
#68
m/p-Xylenes
Concen: 97.51 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 106 Resp: 188848
Ion Ratio Lower Upper
106 100
91 242.9 198.2 297.4



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

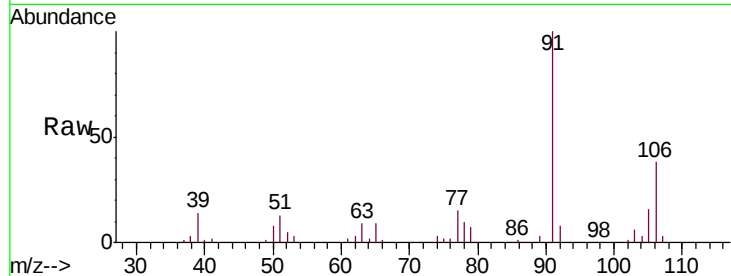




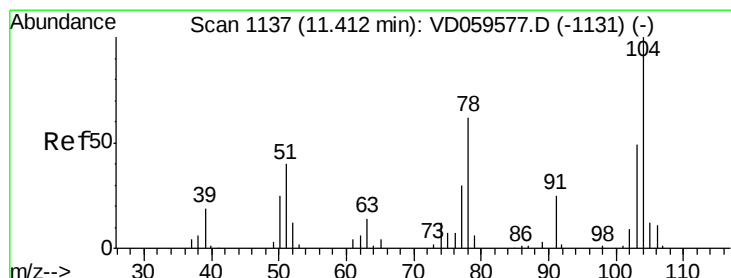
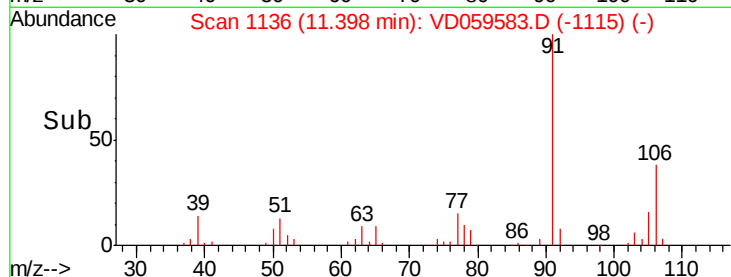
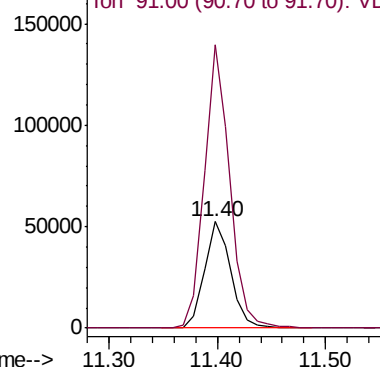
#69
o-Xylene
Concen: 46.92 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 88183
Ion Ratio Lower Upper
106 100
91 265.6 122.7 368.1

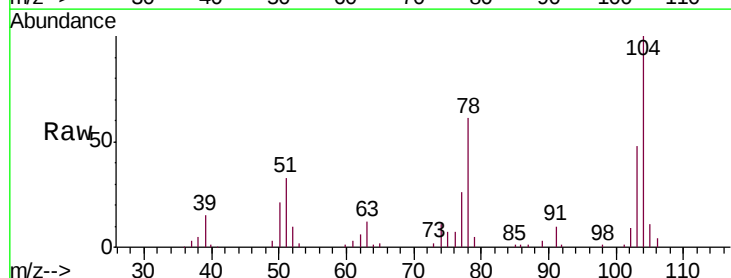


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

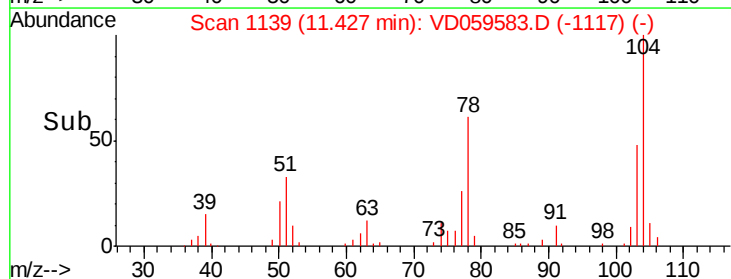
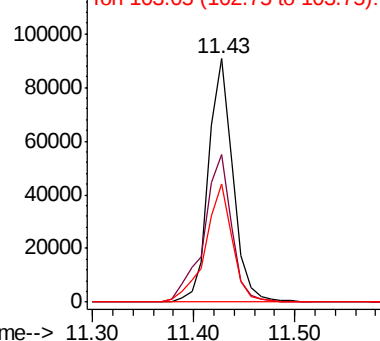


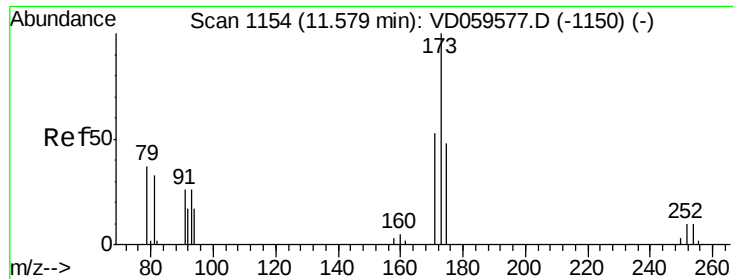
#70
Styrene
Concen: 48.52 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion:104 Resp: 151176
Ion Ratio Lower Upper
104 100
78 60.7 49.4 74.0
103 48.3 39.0 58.6



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





#71

Bromoform

Concen: 51.42 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

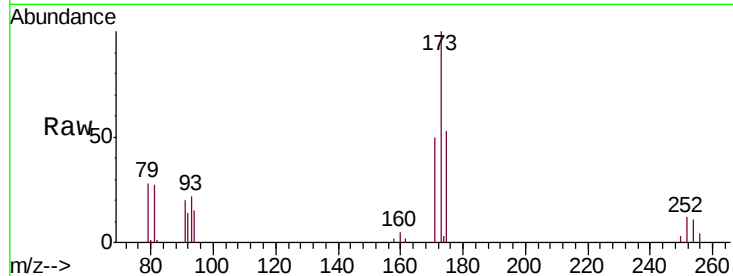
Tot Ion:173 Resp: 61444

Ion Ratio Lower Upper

173 100

175 52.7 23.8 71.4

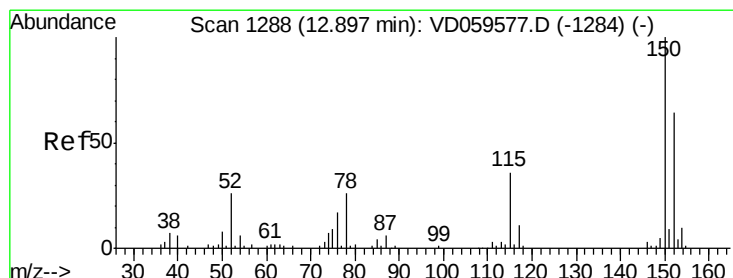
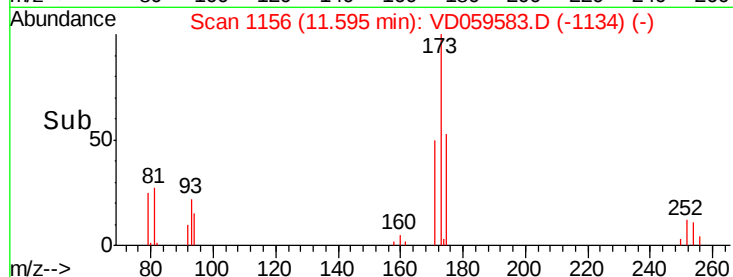
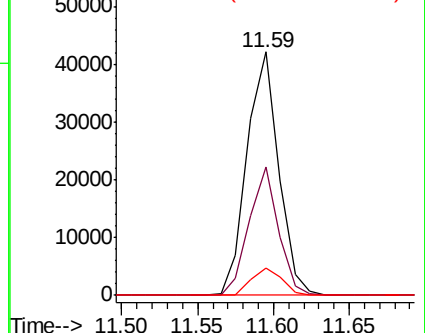
254 11.0 7.8 11.6



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: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

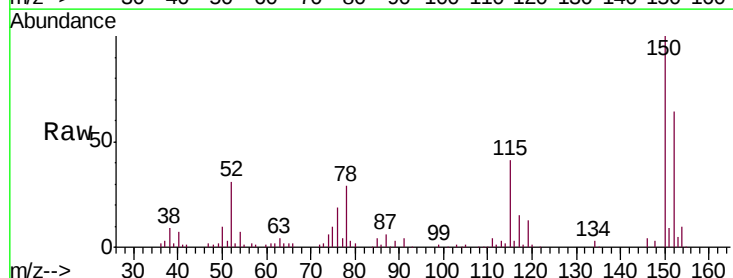
Tgt Ion:152 Resp: 84464

Ion Ratio Lower Upper

152 100

115 63.6 29.5 88.6

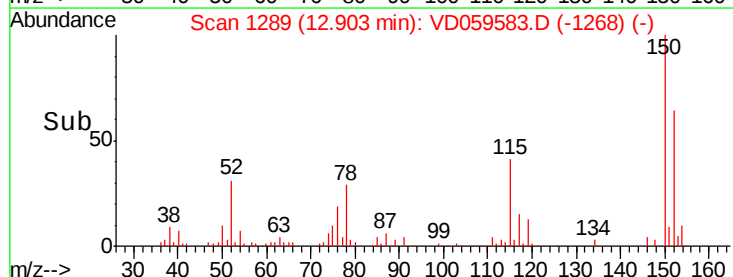
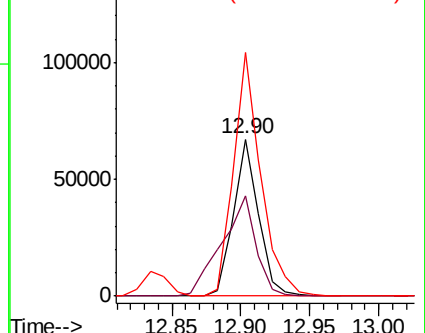
150 155.1 0.0 314.4

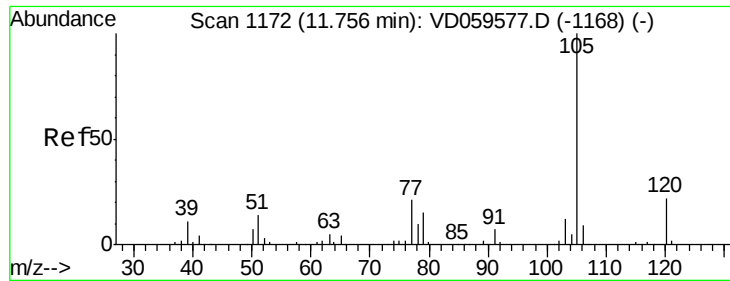


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.78 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

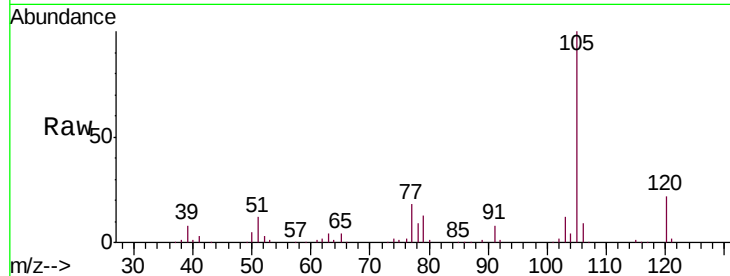
VSTDCCC050

Tot Ion:105 Resp: 279121

Ion Ratio Lower Upper

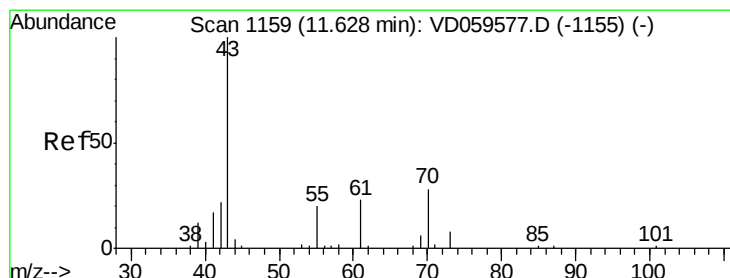
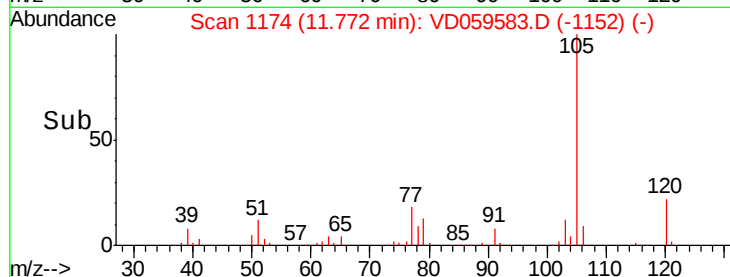
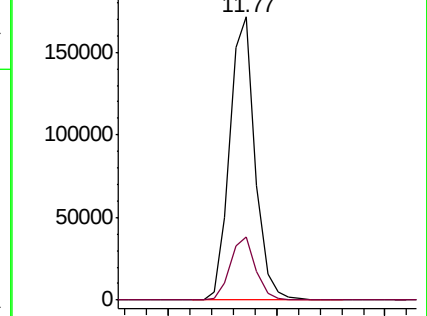
105 100

120 22.2 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 45.70 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Tgt Ion: 43 Resp: 93429

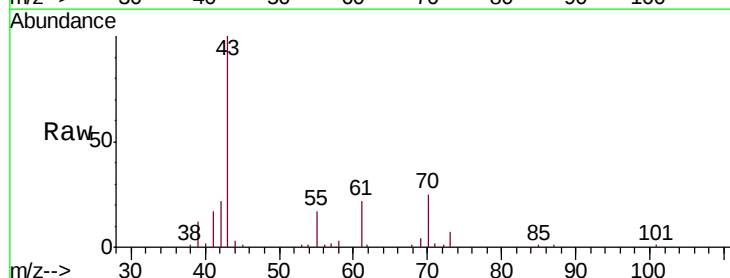
Ion Ratio Lower Upper

43 100

70 24.7 22.0 33.0

55 17.4 16.2 24.2

61 22.4 18.6 27.8

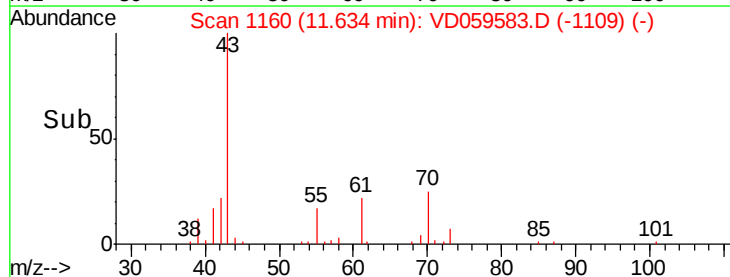
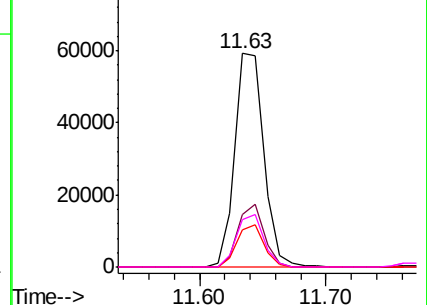


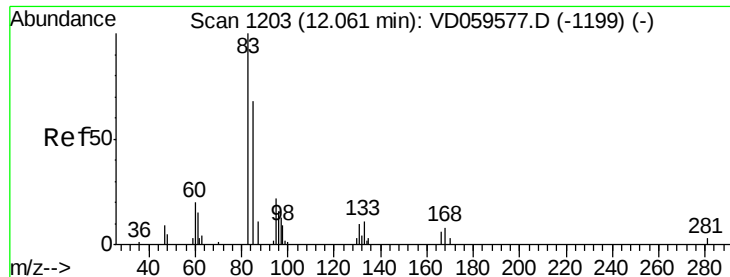
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.62 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

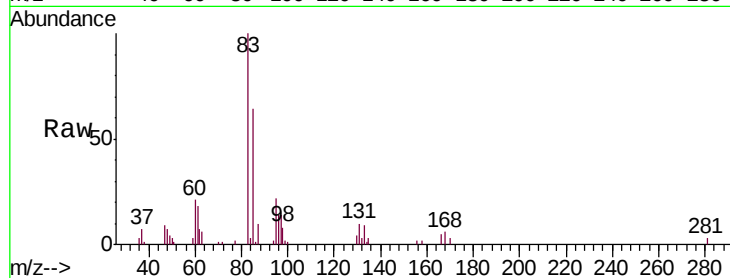
Tot Ion: 83 Resp: 58011

Ion Ratio Lower Upper

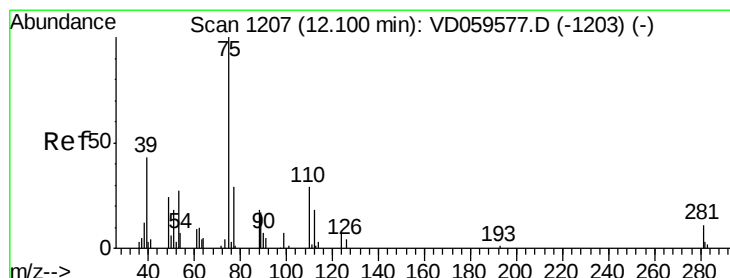
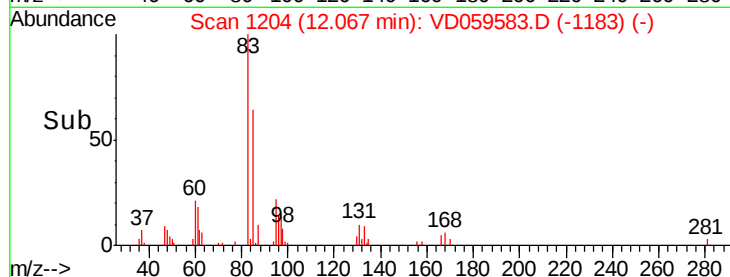
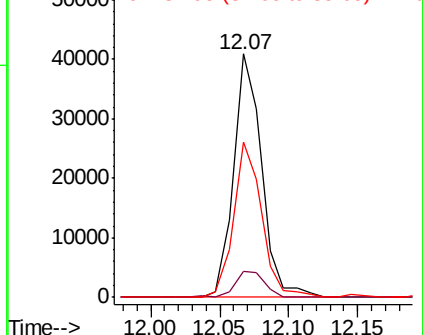
83 100

131 10.4 5.1 15.2

85 63.9 34.1 102.3



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: 48.64 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059583.D

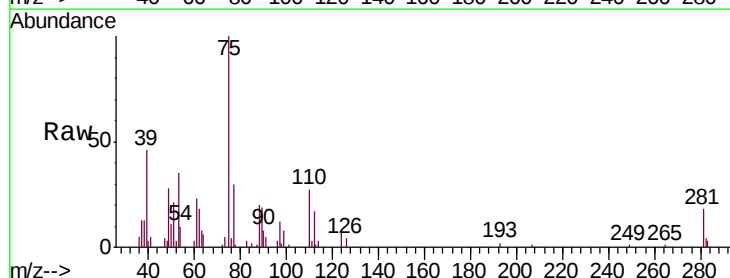
Acq: 25 Jul 2018 11:52

Tgt Ion: 75 Resp: 67942

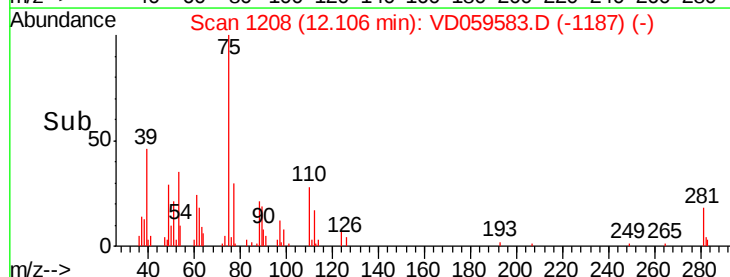
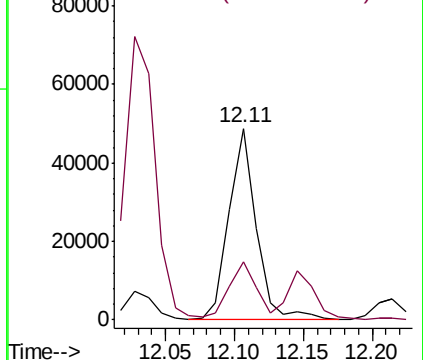
Ion Ratio Lower Upper

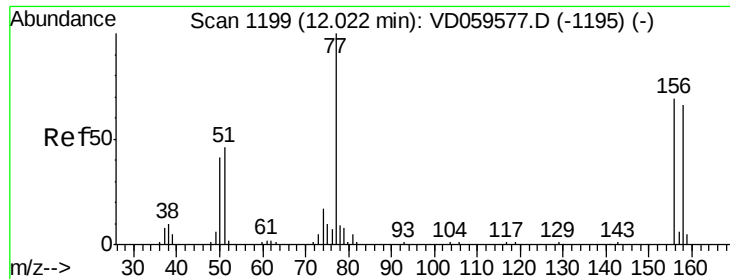
75 100

77 30.1 15.6 46.7



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

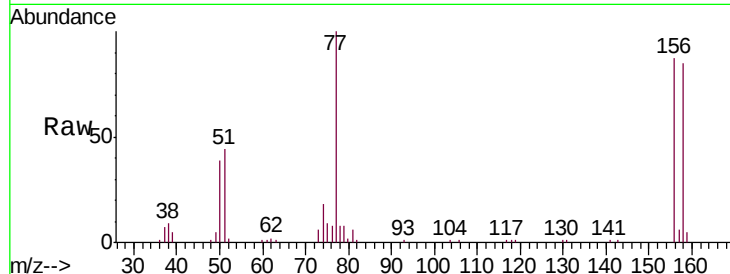




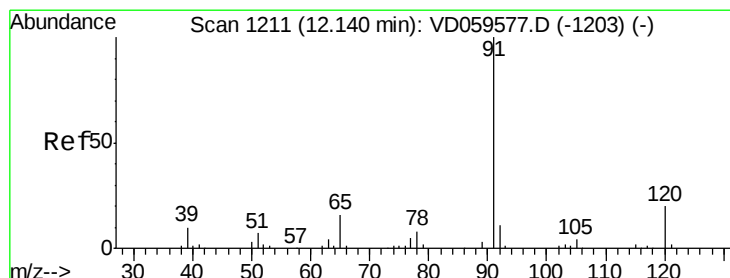
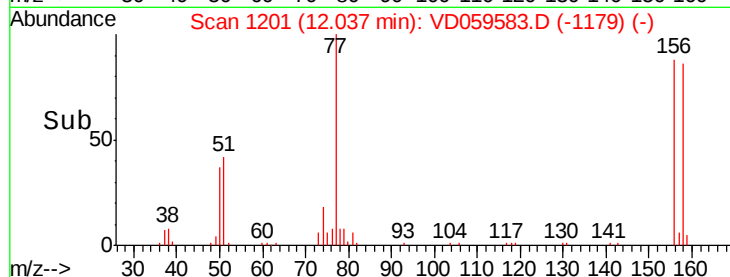
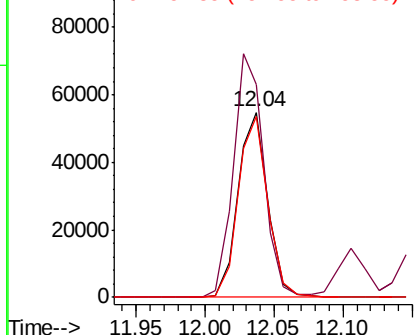
#77
Bromobenzene
Concen: 46.79 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 81732
Ion Ratio Lower Upper
156 100
77 114.9 72.4 217.2
158 97.7 48.0 144.2

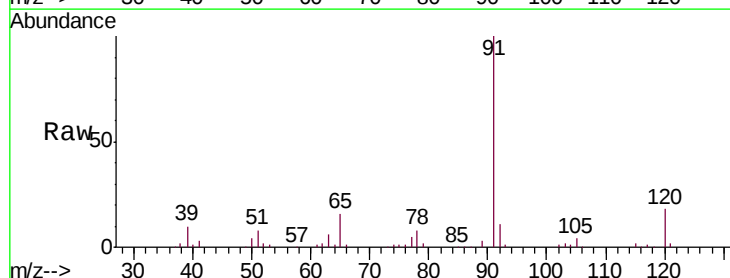


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

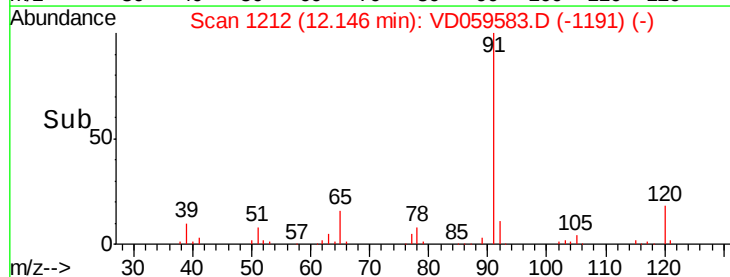
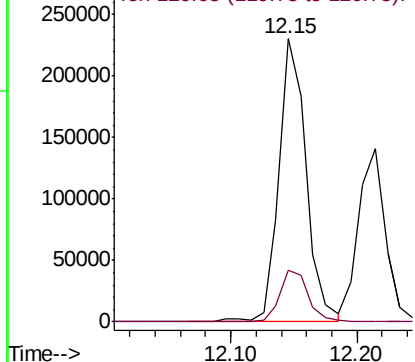


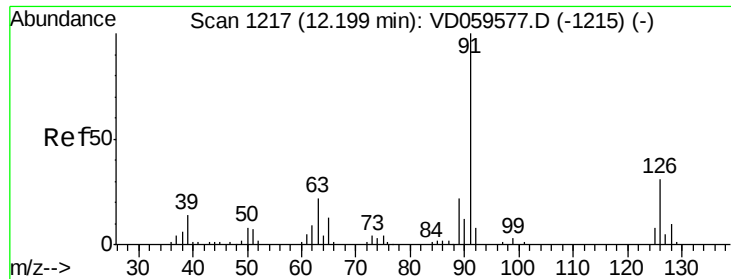
#78
n-propylbenzene
Concen: 47.88 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 91 Resp: 347132
Ion Ratio Lower Upper
91 100
120 18.4 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

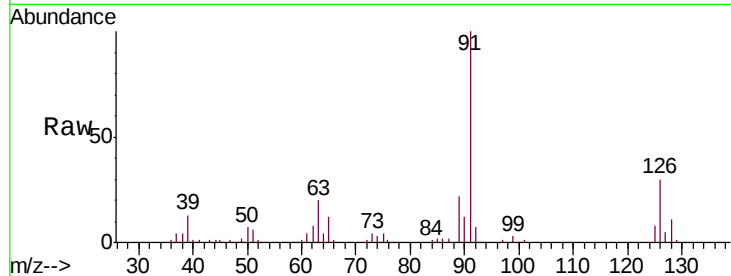




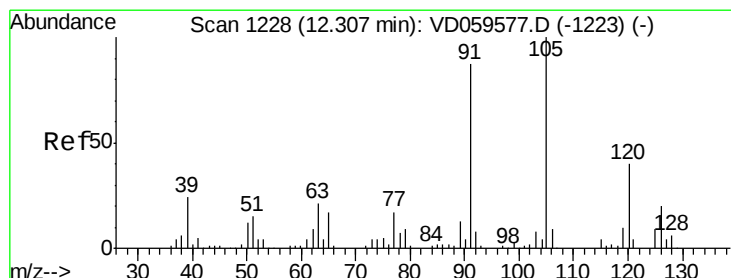
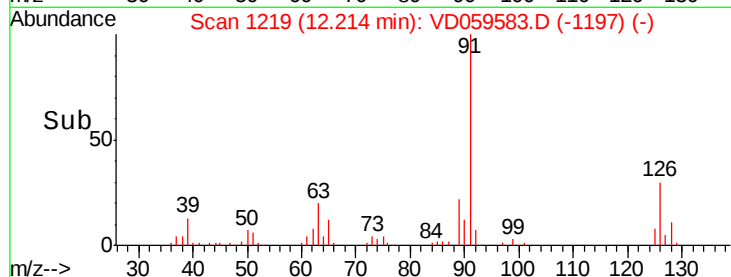
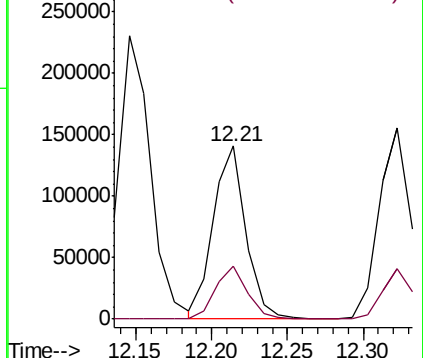
#79
 2-Chlorotoluene
 Concen: 48.48 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 209568
 Ion Ratio Lower Upper
 91 100
 126 30.5 14.5 43.6

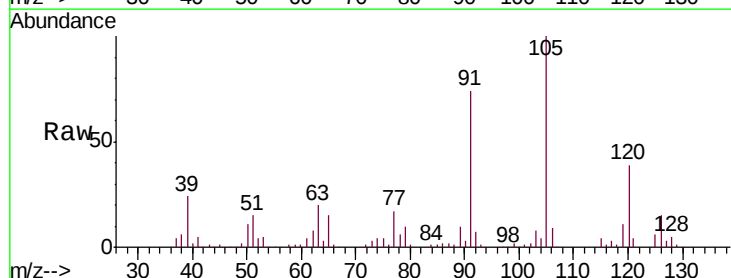


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

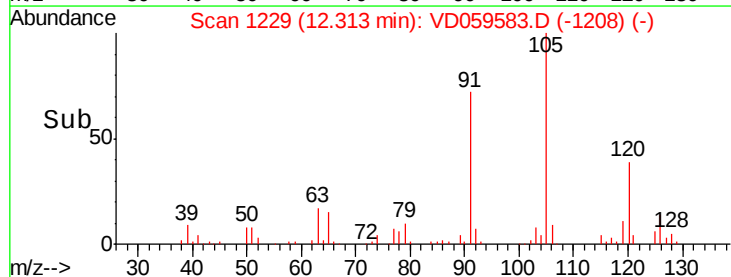
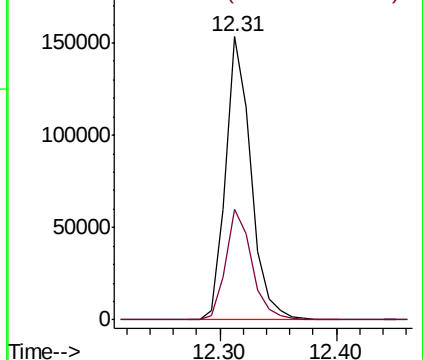


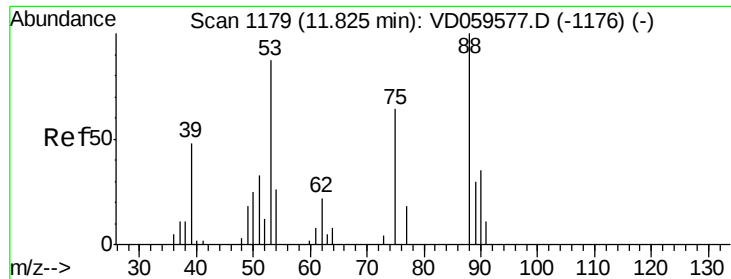
#80
 1,3,5-Trimethylbenzene
 Concen: 48.83 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion: 105 Resp: 230026
 Ion Ratio Lower Upper
 105 100
 120 39.3 19.9 59.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.78 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.02 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

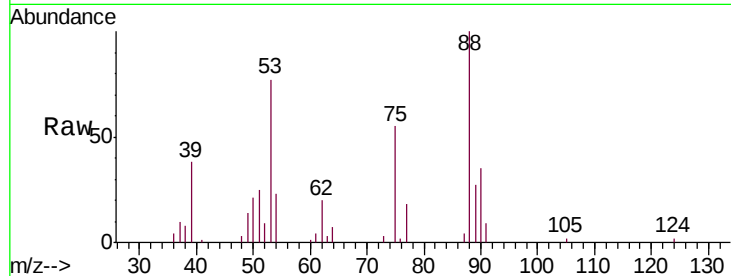
Tot Ion: 75 Resp: 18134

Ion Ratio Lower Upper

75 100

53 140.6 107.7 161.5

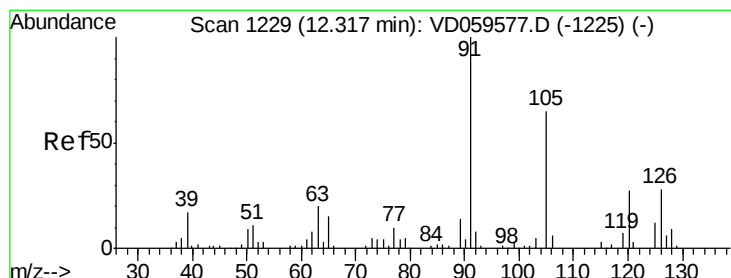
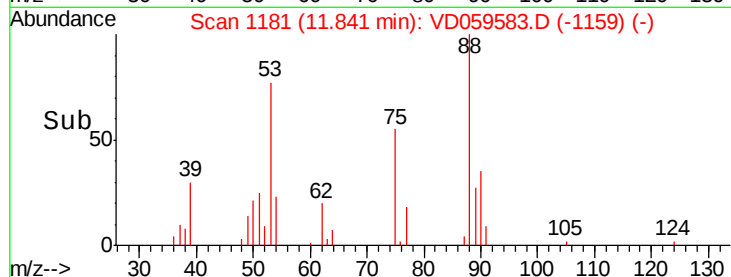
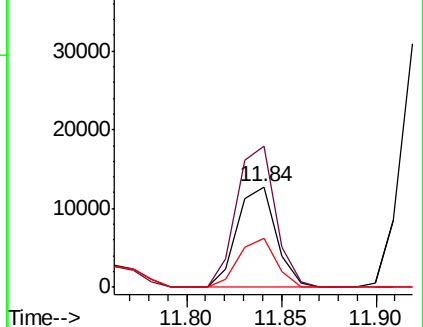
89 49.1 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 48.11 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059583.D

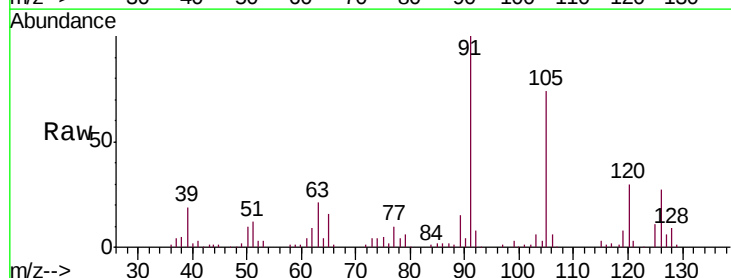
Acq: 25 Jul 2018 11:52

Tgt Ion: 91 Resp: 235163

Ion Ratio Lower Upper

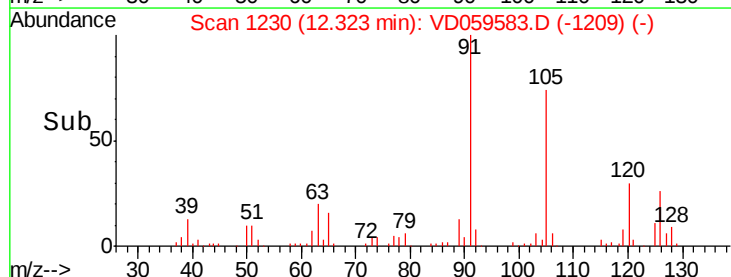
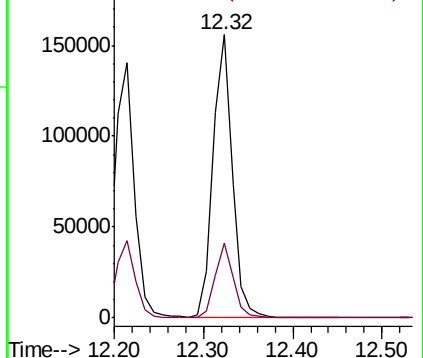
91 100

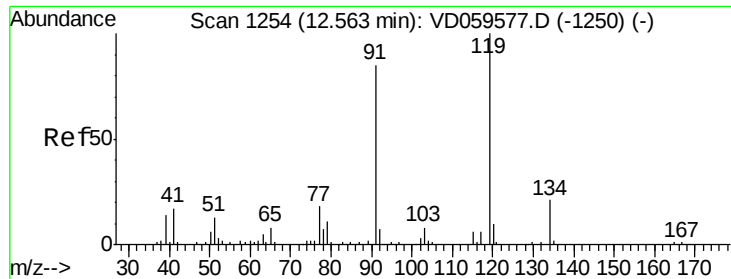
126 26.6 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

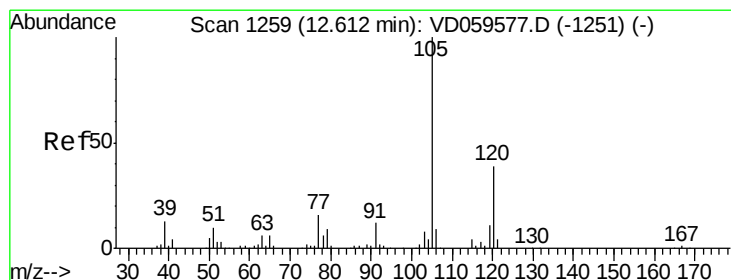
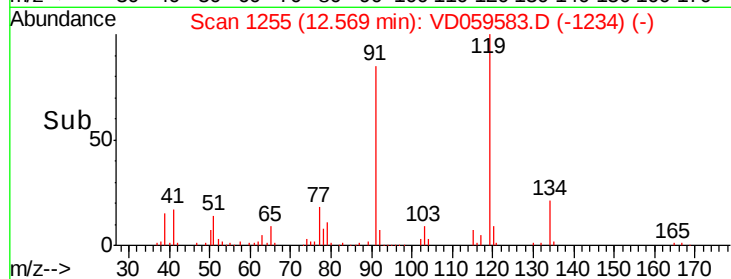
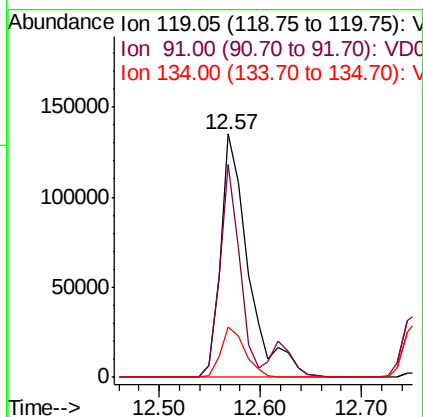
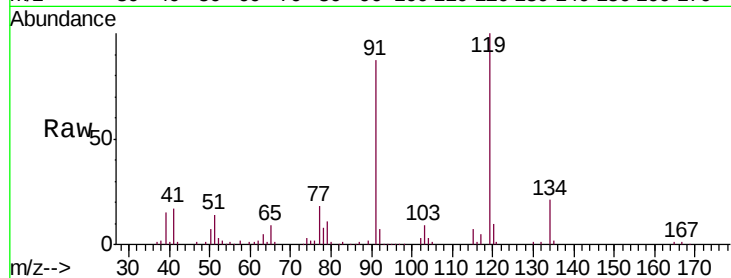




#83
 tert-Butylbenzene
 Concen: 48.95 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

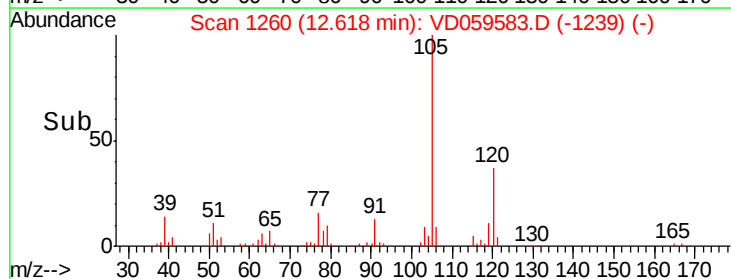
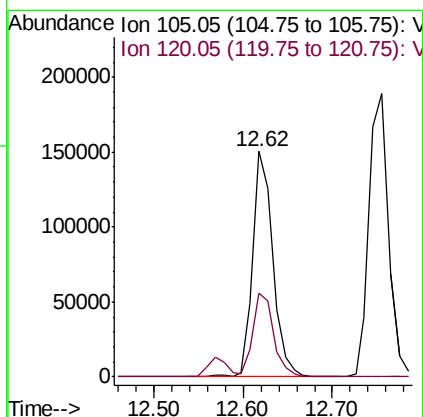
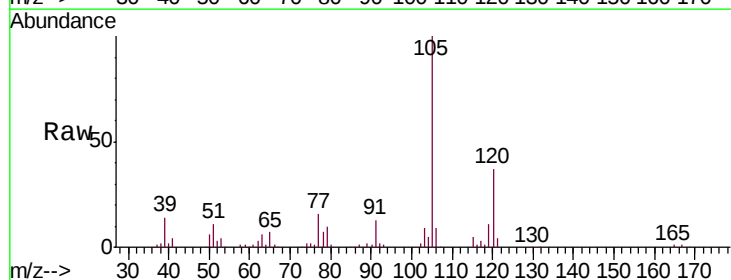
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

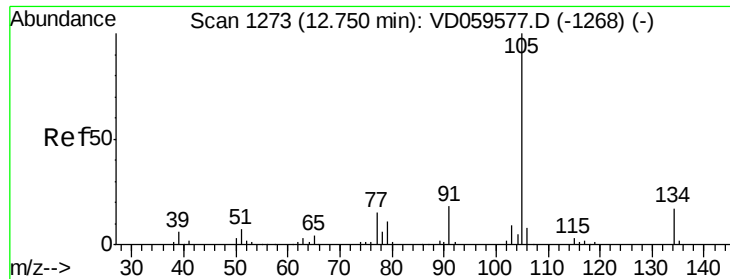
Tot Ion:119 Resp: 259590
 Ion Ratio Lower Upper
 119 100
 91 87.3 42.5 127.5
 134 20.8 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 46.79 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion:105 Resp: 234307
 Ion Ratio Lower Upper
 105 100
 120 37.4 19.3 57.9

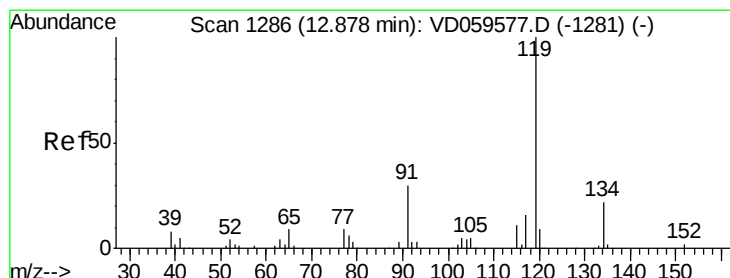
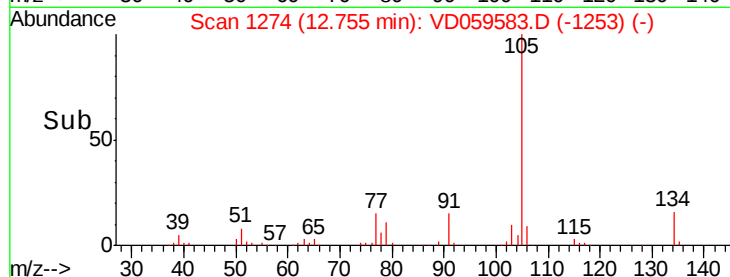
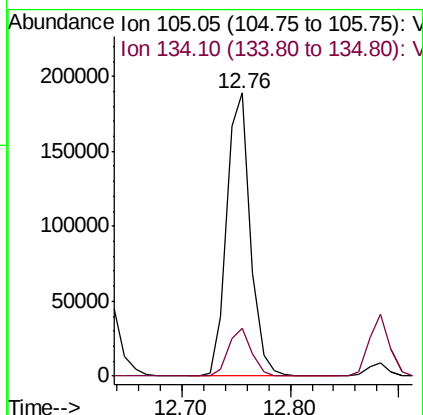
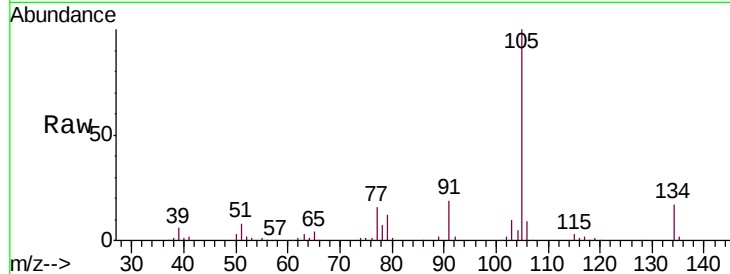




#85
 sec-Butylbenzene
 Concen: 47.46 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

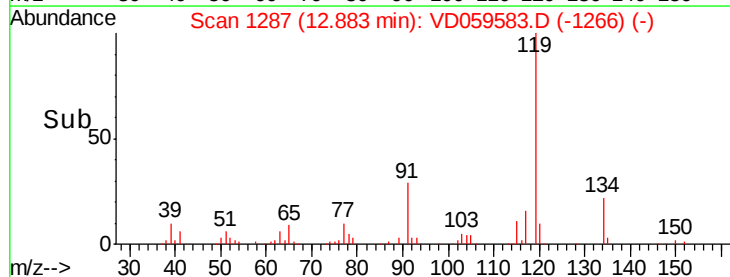
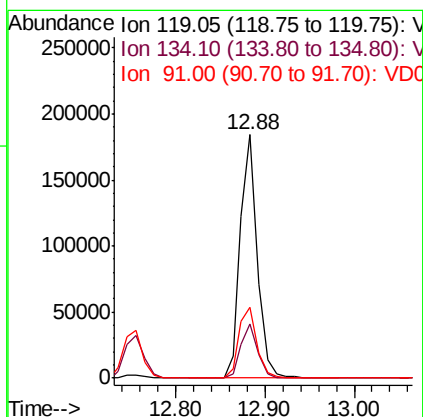
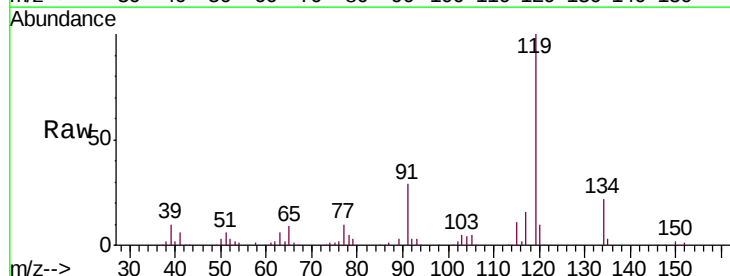
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

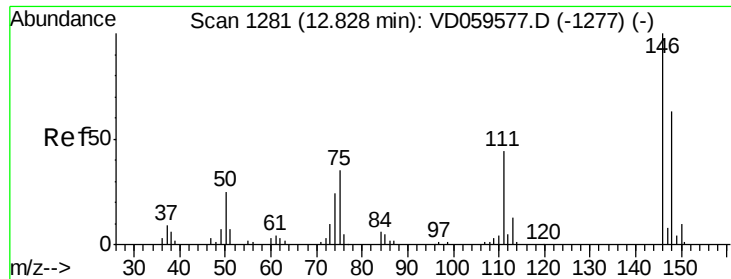
Tot Ion:105 Resp: 287611
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 47.99 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion:119 Resp: 245134
 Ion Ratio Lower Upper
 119 100
 134 22.3 11.2 33.6
 91 29.3 15.0 45.1

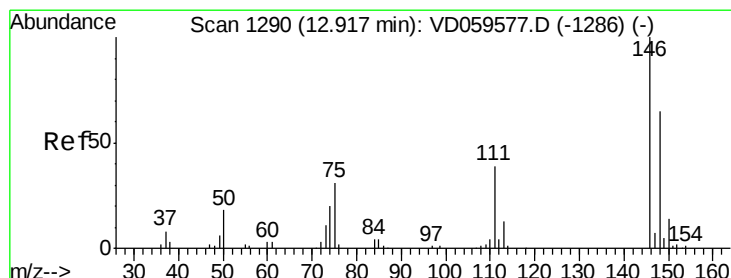
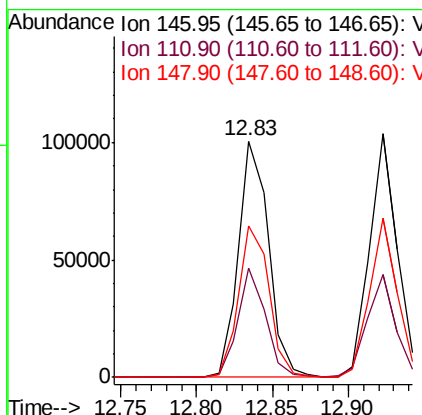
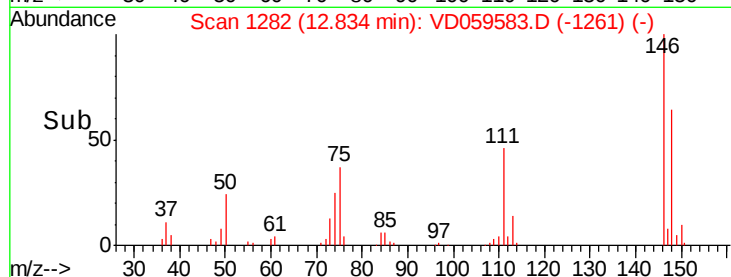
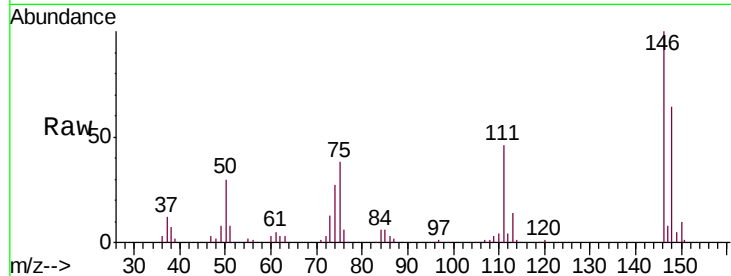




#87
 1,3-Dichlorobenzene
 Concen: 47.17 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

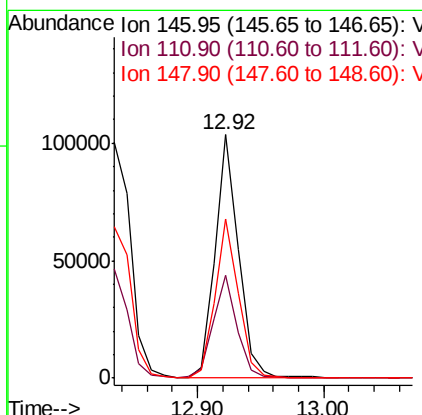
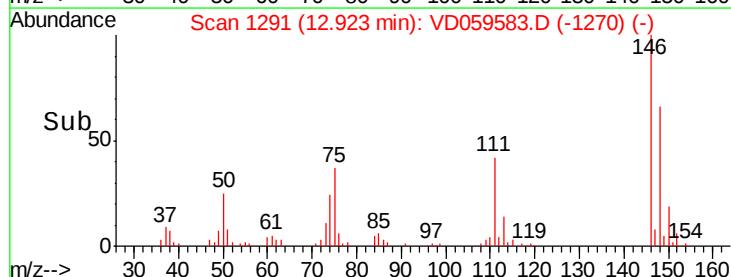
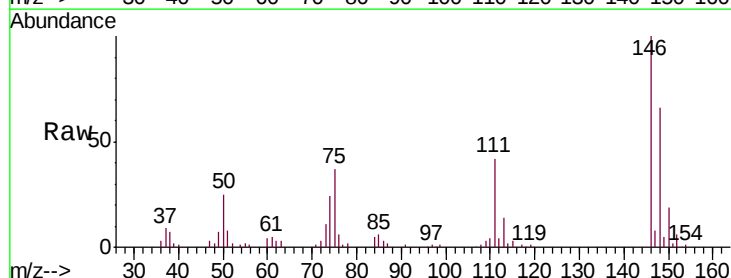
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

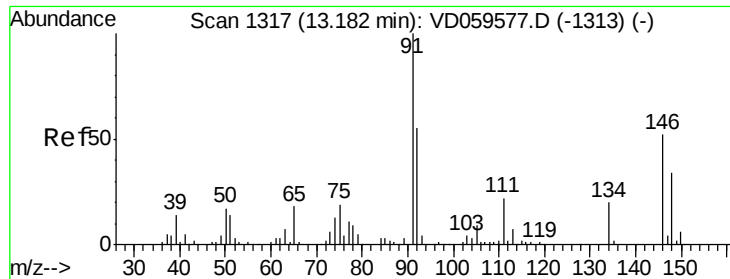
Tot Ion:146 Resp: 139363
 Ion Ratio Lower Upper
 146 100
 111 46.2 22.2 66.6
 148 64.2 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 47.06 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion:146 Resp: 133938
 Ion Ratio Lower Upper
 146 100
 111 42.3 19.3 57.9
 148 65.5 32.4 97.2

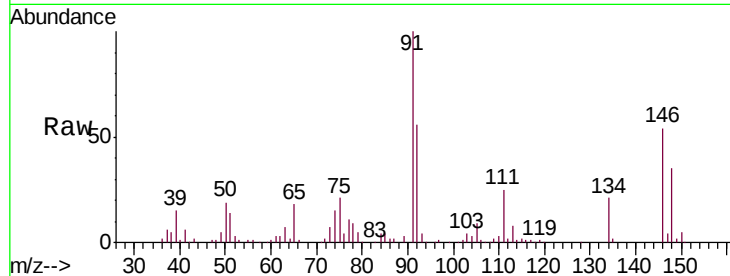




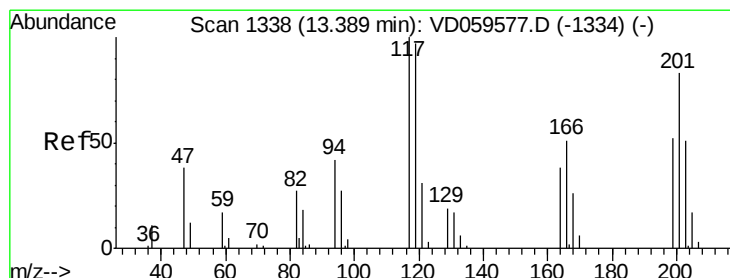
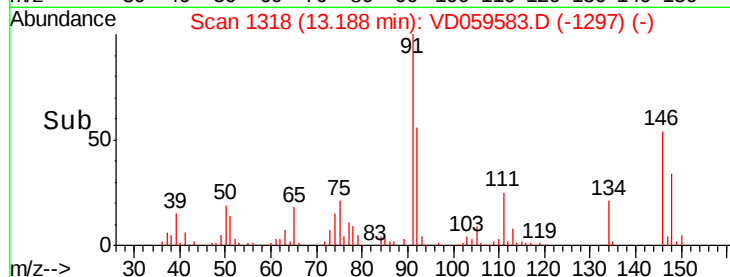
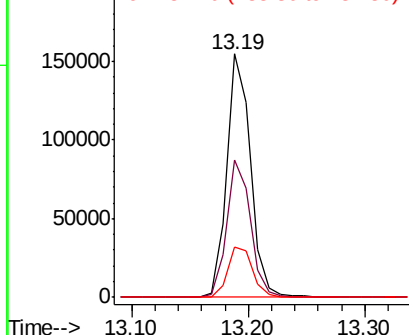
#89
n-Butylbenzene
Concen: 44.16 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 217764
Ion Ratio Lower Upper
91 100
92 56.2 27.6 82.7
134 20.7 10.1 30.3

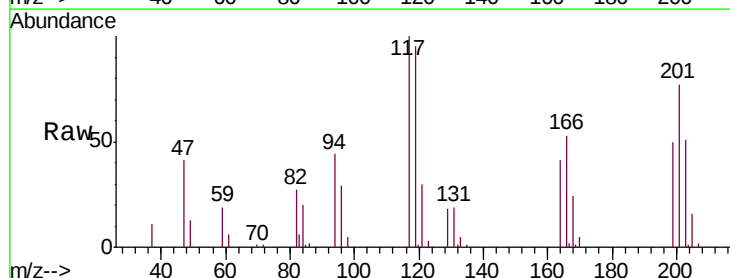


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

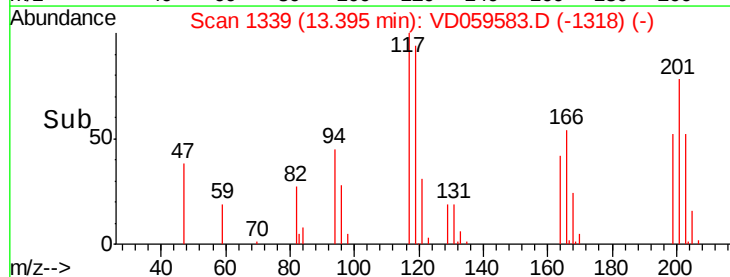
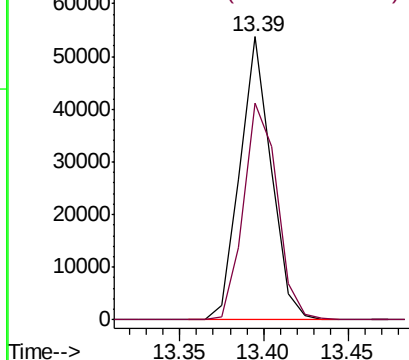


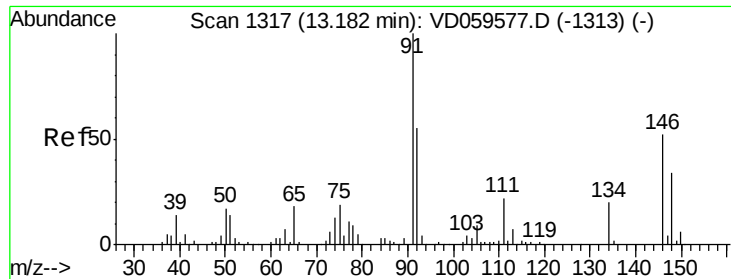
#90
Hexachloroethane
Concen: 50.57 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059583.D
Acq: 25 Jul 2018 11:52

Tgt Ion: 117 Resp: 69027
Ion Ratio Lower Upper
117 100
201 76.7 41.5 124.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

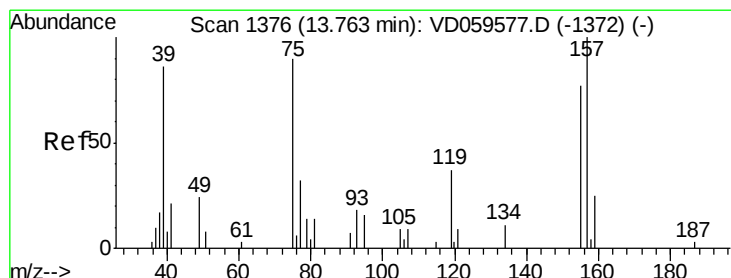
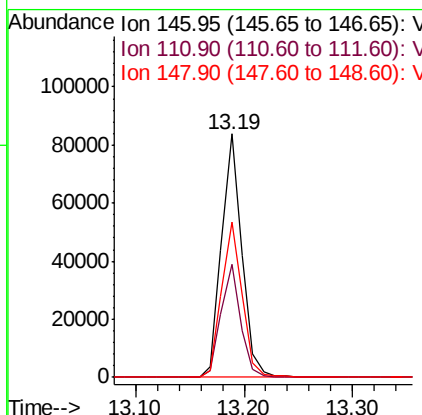
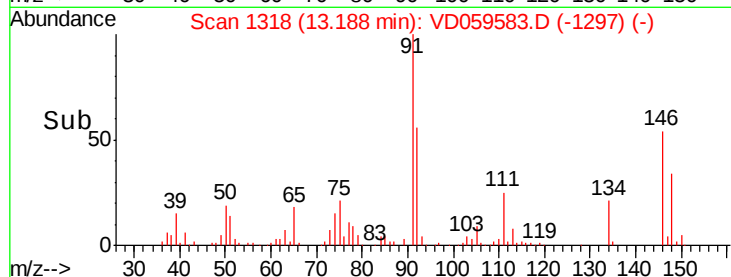
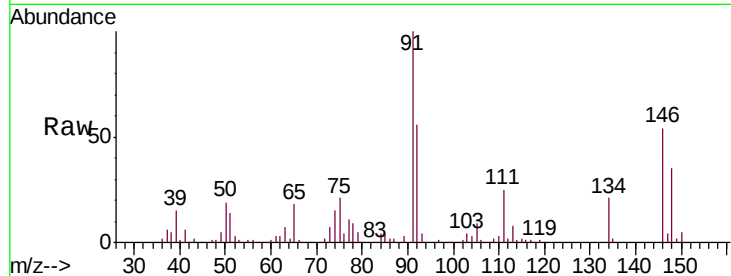




#91
 1,2-Dichlorobenzene
 Concen: 44.25 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

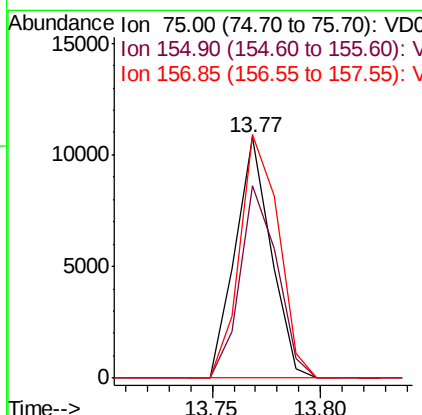
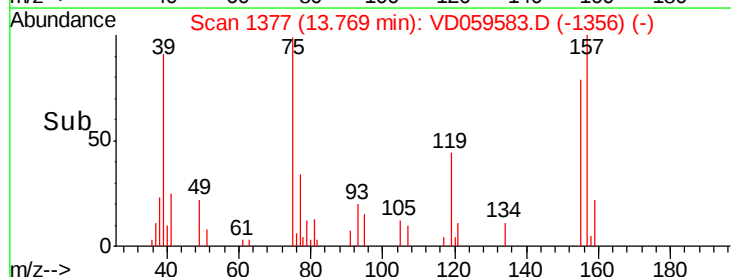
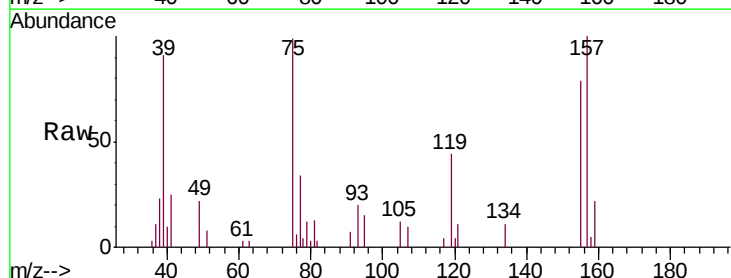
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

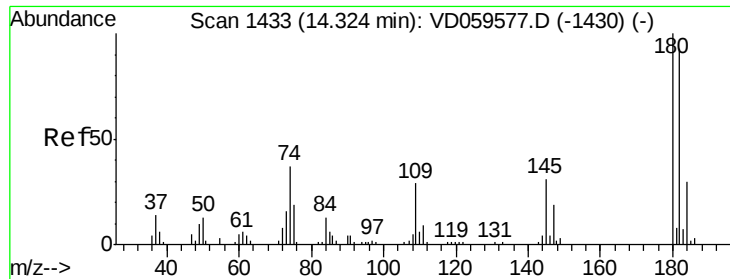
Tot Ion:146 Resp: 109694
 Ion Ratio Lower Upper
 146 100
 111 46.3 21.4 64.3
 148 63.8 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.38 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion: 75 Resp: 12374
 Ion Ratio Lower Upper
 75 100
 155 80.0 42.5 127.5
 157 101.2 55.5 166.3

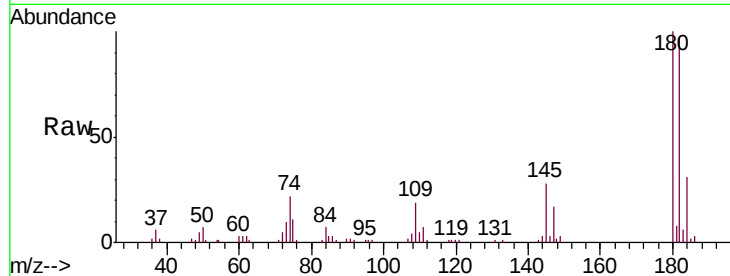




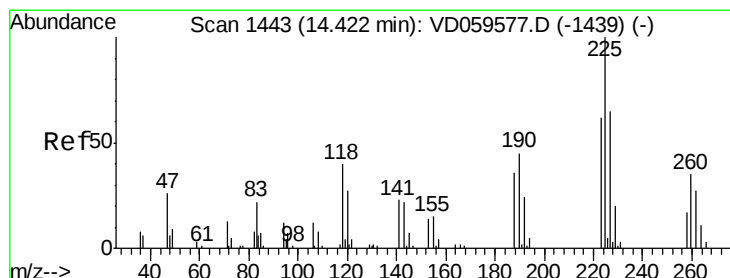
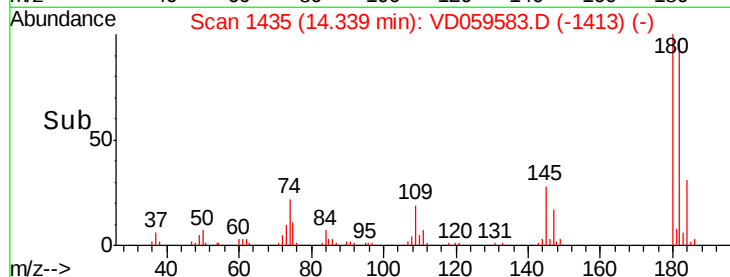
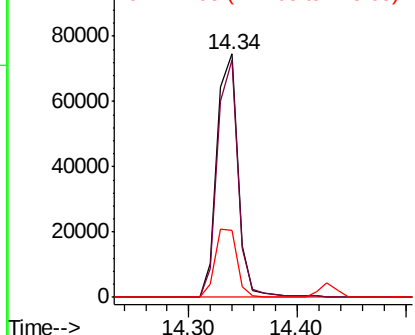
#93
 1,2,4-Trichlorobenzene
 Concen: 49.24 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.02 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 101081
 Ion Ratio Lower Upper
 180 100
 182 97.2 46.4 139.2
 145 27.6 15.7 47.0

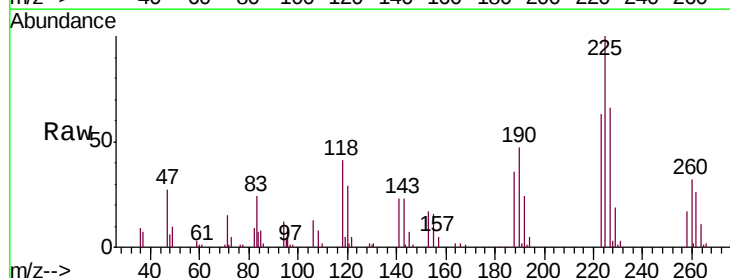


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

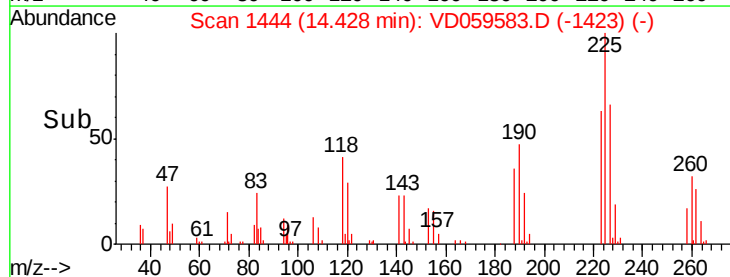
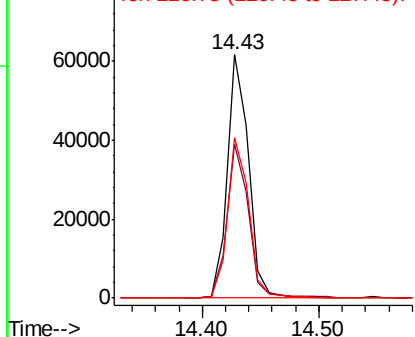


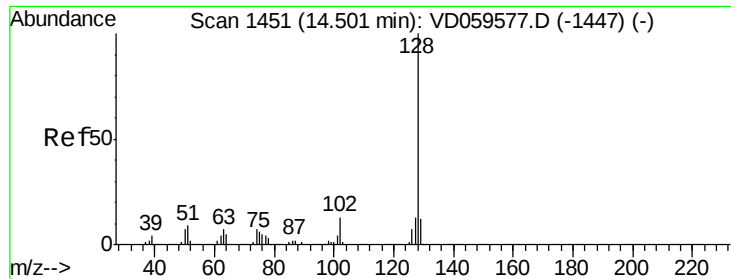
#94
 Hexachlorobutadiene
 Concen: 48.18 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059583.D
 Acq: 25 Jul 2018 11:52

Tgt Ion:225 Resp: 78010
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.1 93.5
 227 66.0 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 47.22 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

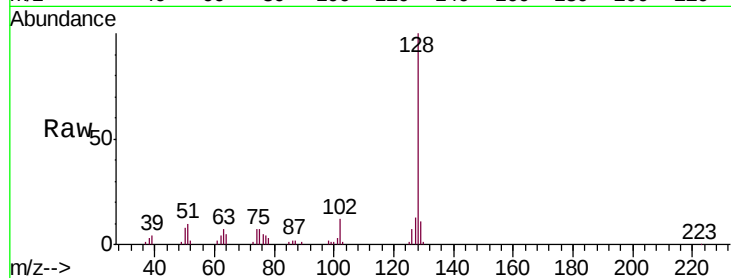
Tot Ion:128 Resp: 137849

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

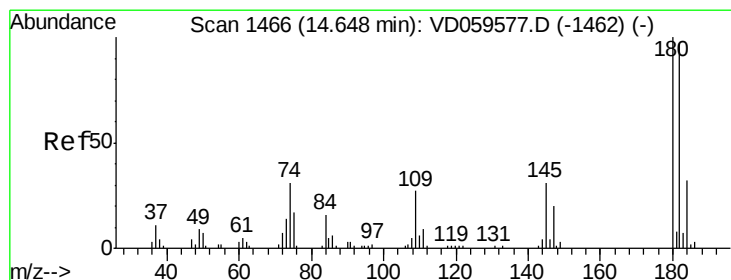
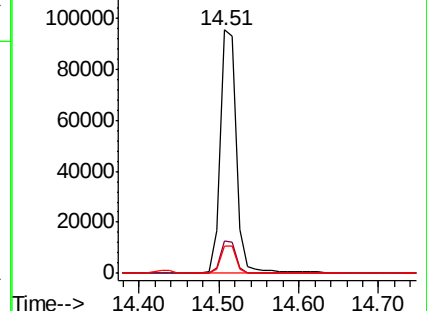
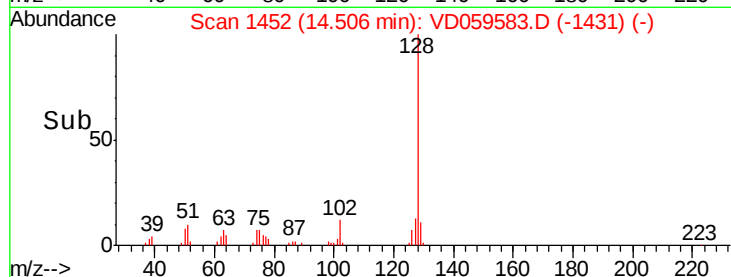
129 11.4 9.3 13.9



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: 47.67 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059583.D

Acq: 25 Jul 2018 11:52

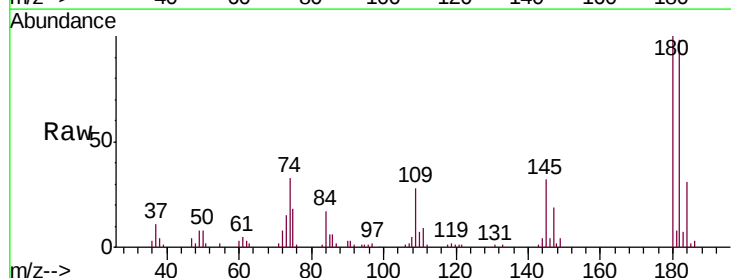
Tgt Ion:180 Resp: 88553

Ion Ratio Lower Upper

180 100

182 98.2 48.6 145.9

145 31.9 15.6 46.7



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

