

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072618\
 Data File : VD059603.D
 Acq On : 26 Jul 2018 13:57
 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 14:15:44 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	5.63	168	155110	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	199930	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	160856	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	81122	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	95069	48.75	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.50%	
35) Dibromofluoromethane	5.53	113	88451	51.57	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	8.70	98	191050	49.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.92	95	86769	49.51	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	87579	51.38	ug/l	94
3) Chloromethane	1.47	50	39530	40.78	ug/l	99
4) Vinyl Chloride	1.55	62	48991	48.56	ug/l	100
5) Bromomethane	1.77	94	12509	64.63	ug/l	88
6) Chloroethane	1.86	64	23895	80.96	ug/l	96
7) Trichlorofluoromethane	2.07	101	99891	58.04	ug/l	94
8) Diethyl Ether	2.33	74	16602	50.96	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.54	101	50298	55.46	ug/l	95
10) Methyl Iodide	2.68	142	58582	49.79	ug/l	94
11) Tert butyl alcohol	3.25	59	18449	237.15	ug/l #	89
12) 1,1-Dichloroethene	2.53	96	36765	55.93	ug/l	98
13) Acrolein	2.45	56	9233	230.37	ug/l #	79
14) Allyl chloride	2.90	41	84009	52.71	ug/l	98
15) Acrylonitrile	3.34	53	48161	285.46	ug/l	97
16) Acetone	2.60	43	82231	279.24	ug/l	95
17) Carbon Disulfide	2.74	76	134955	51.69	ug/l	99
18) Methyl Acetate	2.91	43	30287	51.43	ug/l	95
19) Methyl tert-butyl Ether	3.38	73	162702	73.84	ug/l	97
20) Methylene Chloride	3.05	84	40943	48.76	ug/l	93
21) trans-1,2-Dichloroethene	3.37	96	58628	82.71	ug/l	94
22) Diisopropyl ether	4.05	45	200370	47.81	ug/l	99
23) Vinyl Acetate	3.99	43	630068	236.87	ug/l	100
24) 1,1-Dichloroethane	3.96	63	132047	49.91	ug/l	97
25) 2-Butanone	4.82	43	101992	227.11	ug/l	98
26) 2,2-Dichloropropane	4.78	77	143844	53.08	ug/l	100
27) cis-1,2-Dichloroethene	4.78	96	68208	48.17	ug/l	90
28) Bromochloromethane	5.13	49	54412	51.97	ug/l #	94
29) Tetrahydrofuran	5.17	42	45786	220.19	ug/l	99
30) Chloroform	5.30	83	162137	51.24	ug/l	98
31) Cyclohexane	5.58	56	86906	51.34	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	159703	52.13	ug/l	98
36) 1,1-Dichloropropene	5.73	75	105474	52.57	ug/l	97
37) Ethyl Acetate	4.91	43	50738	49.16	ug/l	96
38) Carbon Tetrachloride	5.71	117	143414	52.20	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	92799	50.30	ug/l	99
40) Benzene	6.00	78	202501	49.22	ug/l	98
41) Methacrylonitrile	5.11	41	26247	50.96	ug/l	90
42) 1,2-Dichloroethane	6.11	62	125519	50.64	ug/l	100
43) Isopropyl Acetate	7.61	43	71200	49.75	ug/l	99
44) Trichloroethene	6.97	130	80043	53.64	ug/l	96
45) 1,2-Dichloropropane	7.34	63	57029	49.50	ug/l	100
46) Dibromomethane	7.45	93	50093	51.44	ug/l	94
47) Bromodichloromethane	7.73	83	123012	52.89	ug/l	99
48) Methyl methacrylate	7.50	41	48594	51.20	ug/l	97
49) 1,4-Dioxane	7.48	88	8553	964.25	ug/l #	91
51) 4-Methyl-2-Pentanone	8.59	43	218441	228.59	ug/l	98
52) Toluene	8.80	92	136903	50.18	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	104480	49.80	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	105020	50.41	ug/l	94
55) 1,1,2-Trichloroethane	9.44	97	50534	49.31	ug/l	98
56) Ethyl methacrylate	9.31	69	59446	51.12	ug/l	98
57) 1,3-Dichloropropane	9.66	76	78731	48.35	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	128248	234.72	ug/l	96
59) 2-Hexanone	9.78	43	163621	215.56	ug/l	97
60) Dibromochloromethane	9.95	129	87464	51.41	ug/l	96
61) 1,2-Dibromoethane	10.08	107	59559	49.04	ug/l	99
64) Tetrachloroethene	9.50	164	74670	51.23	ug/l	94
65) Chlorobenzene	10.71	112	160103	48.55	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.84	131	73601	51.31	ug/l	96
67) Ethyl Benzene	10.85	91	289400	51.05	ug/l	96
68) m/p-Xylenes	11.01	106	185755	98.12	ug/l	93
69) o-Xylene	11.40	106	90469	49.25	ug/l	93
70) Styrene	11.43	104	158703	52.11	ug/l	96
71) Bromoform	11.60	173	58305	49.92	ug/l #	97
73) Isopropylbenzene	11.77	105	274071	47.82	ug/l	100
74) N-amyl acetate	11.64	43	89391	45.53	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.07	83	56213	48.04	ug/l	99
76) 1,2,3-Trichloropropane	12.11	75	64683	48.22	ug/l	96
77) Bromobenzene	12.03	156	81925	48.83	ug/l	95
78) n-propylbenzene	12.15	91	353837	50.82	ug/l	98
79) 2-Chlorotoluene	12.21	91	209341	50.43	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	228740	50.55	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	15428	44.98	ug/l	91
82) 4-Chlorotoluene	12.33	91	239813	51.08	ug/l	96
83) tert-Butylbenzene	12.57	119	255729	50.20	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	231709	48.17	ug/l	100
85) sec-Butylbenzene	12.75	105	276817	47.56	ug/l	96
86) p-Isopropyltoluene	12.88	119	238698	48.66	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	137919	48.61	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	133712	48.91	ug/l	98
89) n-Butylbenzene	13.19	91	225469	47.60	ug/l	96
90) Hexachloroethane	13.40	117	68236	52.05	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	103589	43.51	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	12447	52.77	ug/l	79

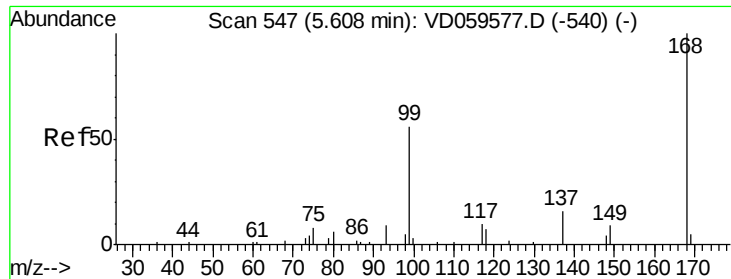
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072618\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	99541	50.49	ug/l	98
94) Hexachlorobutadiene	14.43	225	81035	52.11	ug/l	100
95) Naphthalene	14.51	128	131745	46.99	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	83722	46.93	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

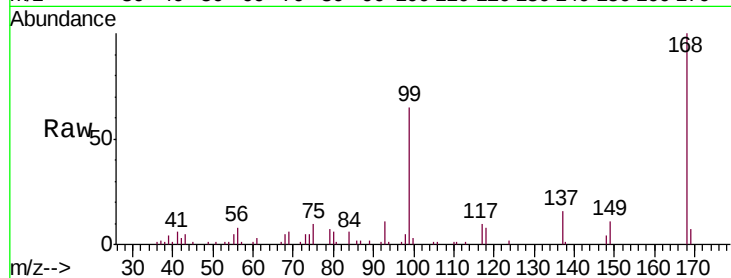
VSTDCCC050

Tot Ion:168 Resp: 155110

Ion Ratio Lower Upper

168 100

99 65.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

60000

50000

40000

30000

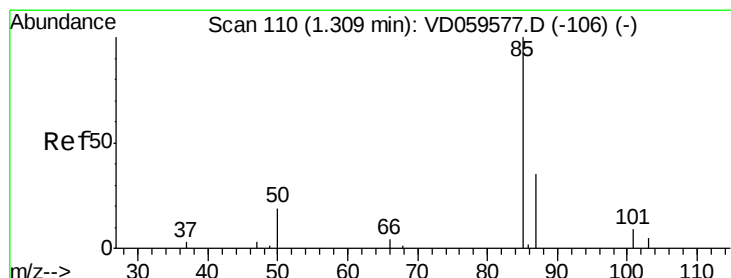
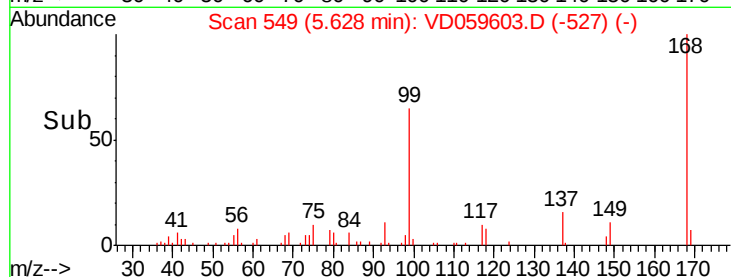
20000

10000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.38 ug/l

RT: 1.33 min Scan# 112

Delta R.T. 0.02 min

Lab File: VD059603.D

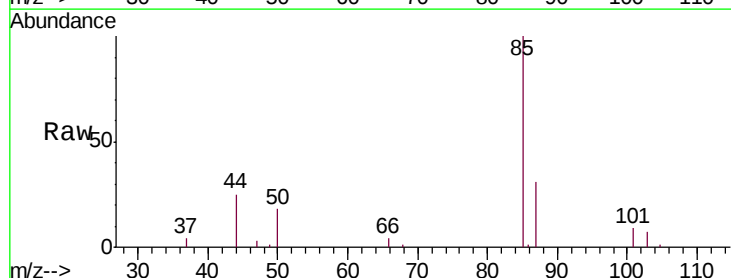
Acq: 26 Jul 2018 13:57

Tgt Ion: 85 Resp: 87579

Ion Ratio Lower Upper

85 100

87 31.0 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.33

40000

30000

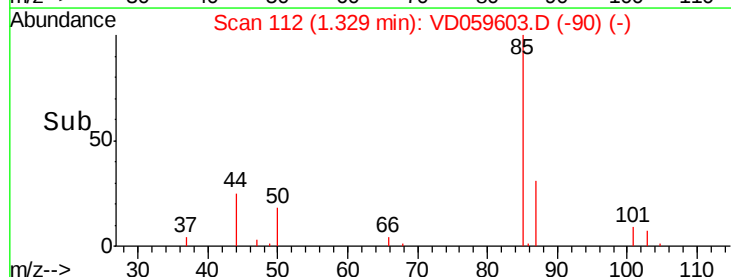
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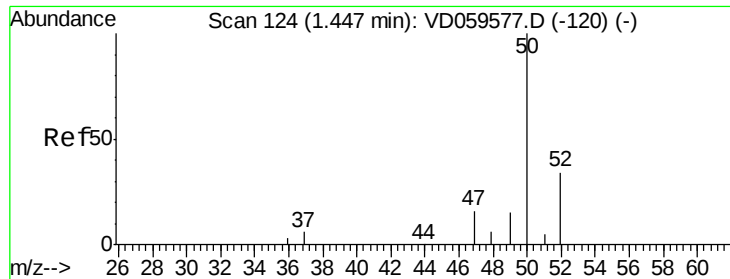
10000

0

1.30 1.35 1.40 1.45

Time-->

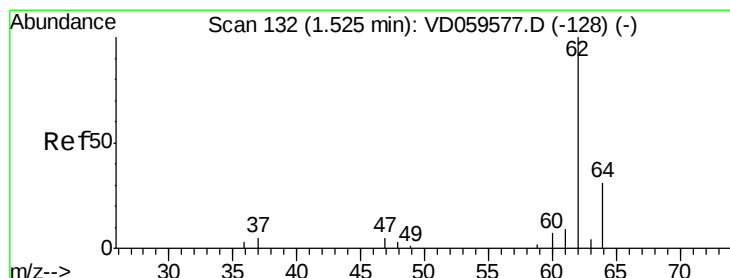
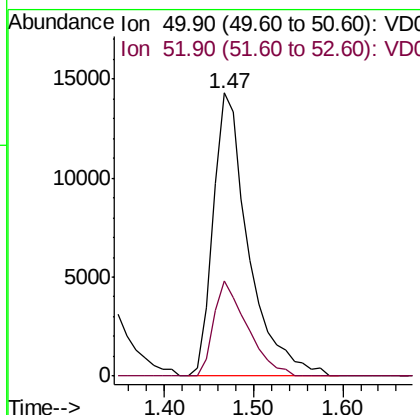
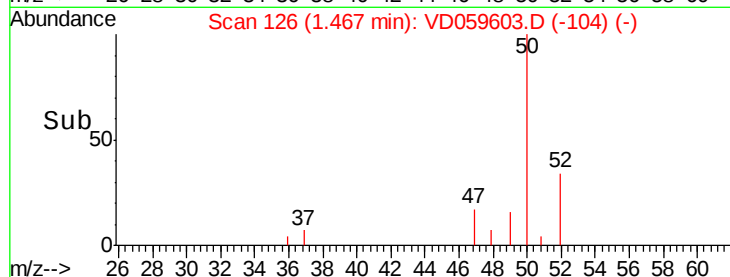
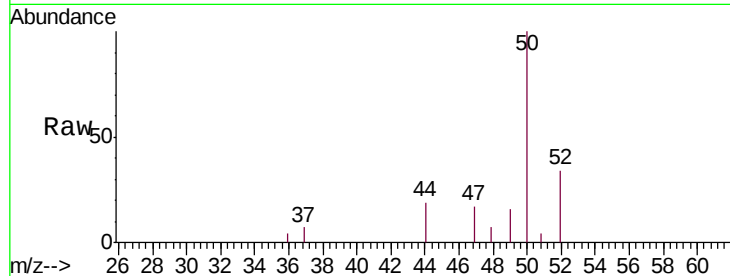




#3
 Chloromethane
 Concen: 40.78 ug/l
 RT: 1.47 min Scan# 126
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

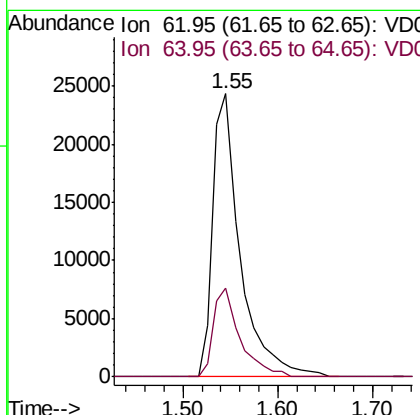
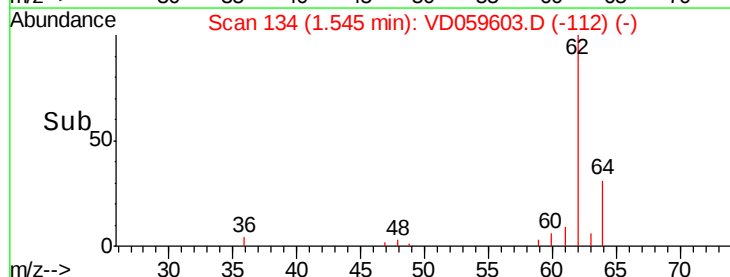
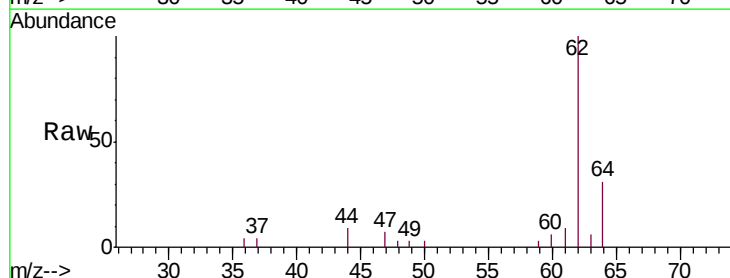
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

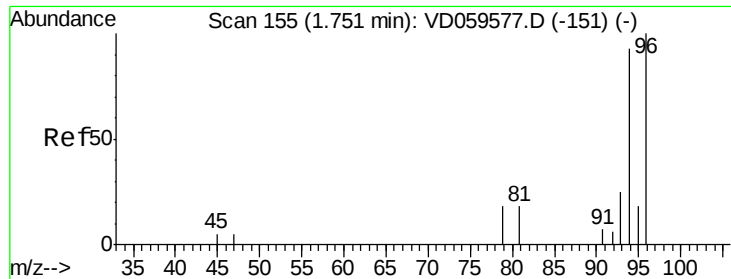
Tot Ion: 50 Resp: 39530
 Ion Ratio Lower Upper
 50 100
 52 33.7 27.3 40.9



#4
 Vinyl Chloride
 Concen: 48.56 ug/l
 RT: 1.55 min Scan# 134
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion: 62 Resp: 48991
 Ion Ratio Lower Upper
 62 100
 64 31.4 25.0 37.4





#5

Bromomethane

Concen: 64.63 ug/l

RT: 1.77 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

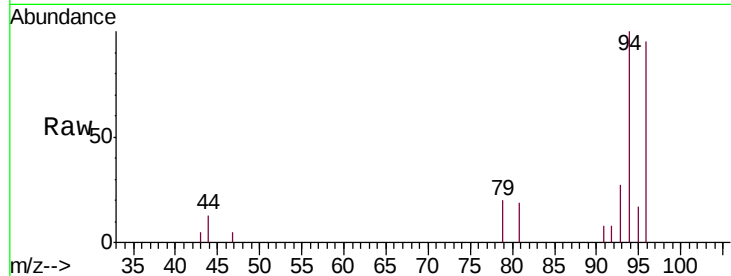
VSTDCCC050

Tot Ion: 94 Resp: 12509

Ion Ratio Lower Upper

94 100

96 94.9 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.77

8000

6000

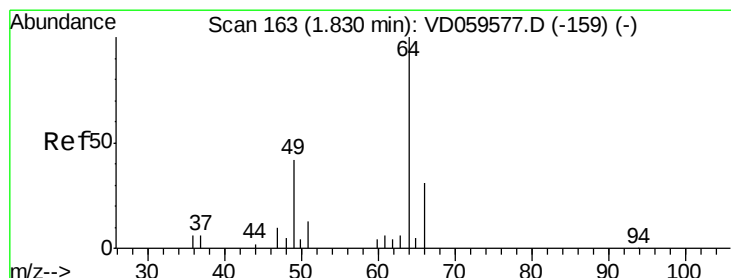
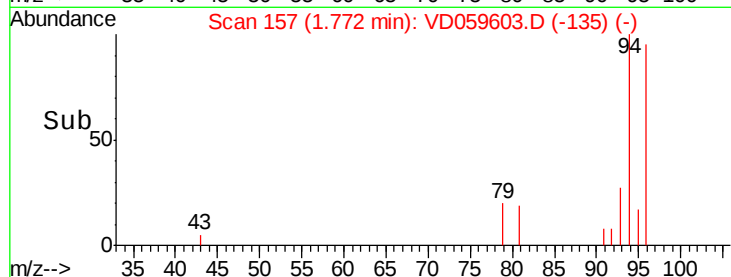
4000

2000

0

1.70 1.75 1.80 1.85

Time-->



#6

Chloroethane

Concen: 80.96 ug/l

RT: 1.86 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD059603.D

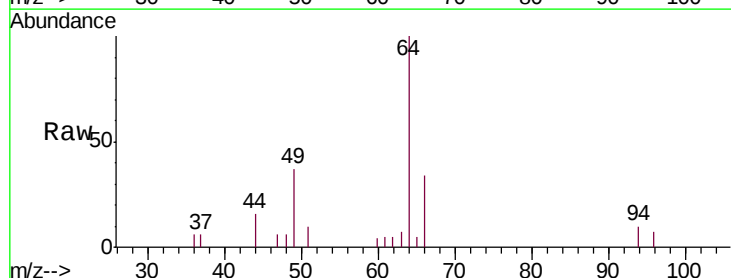
Acq: 26 Jul 2018 13:57

Tgt Ion: 64 Resp: 23895

Ion Ratio Lower Upper

64 100

66 33.6 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.86

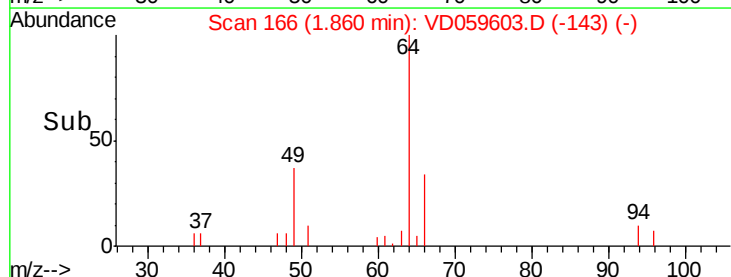
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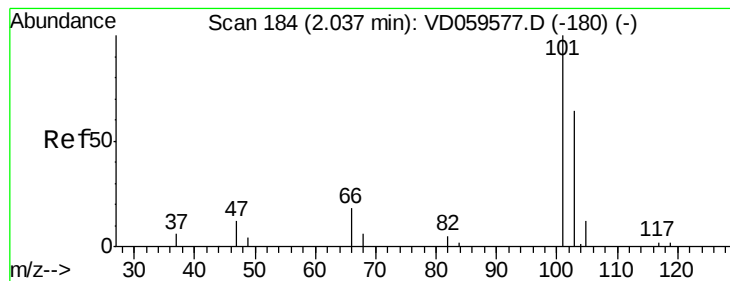
5000

0

1.80 1.85 1.90

Time-->



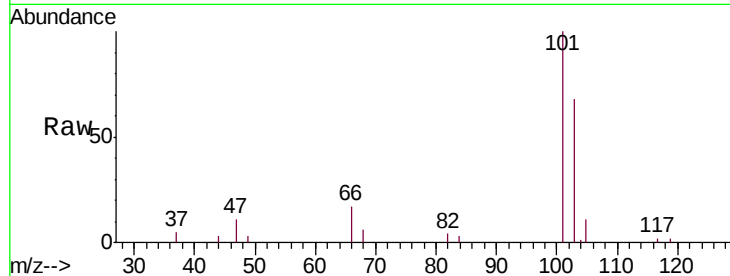


#7

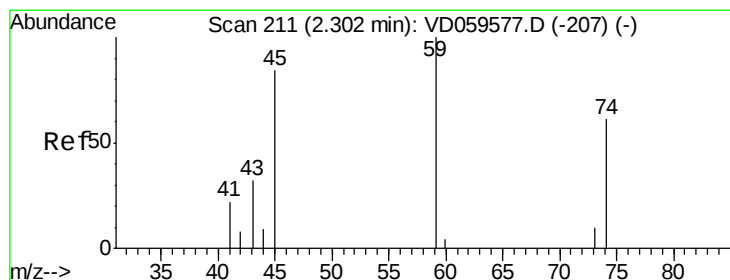
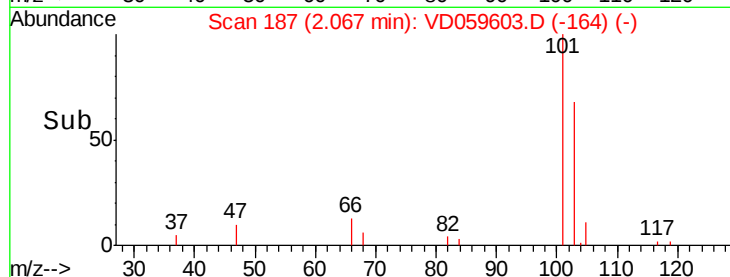
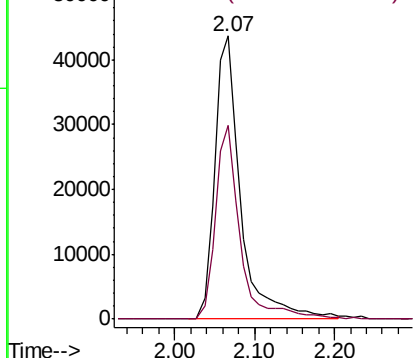
Trichlorofluoromethane
 Concen: 58.04 ug/l
 RT: 2.07 min Scan# 187
 Delta R.T. 0.03 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 99891
 Ion Ratio Lower Upper
 101 100
 103 68.5 50.9 76.3



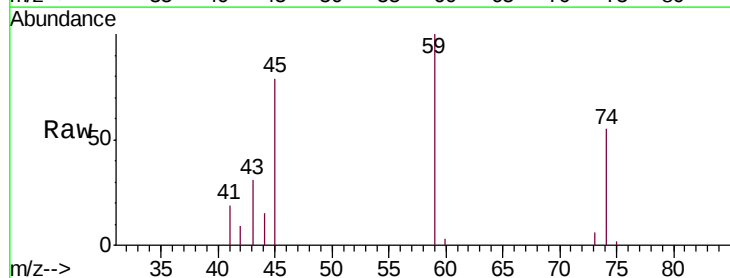
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



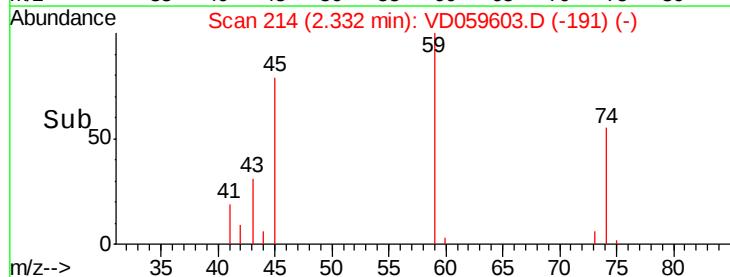
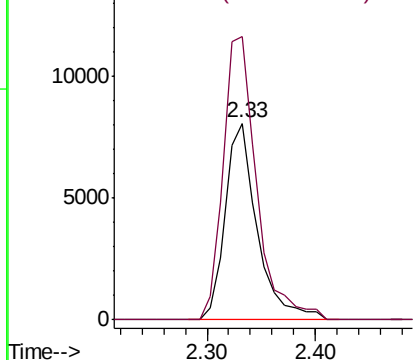
#8

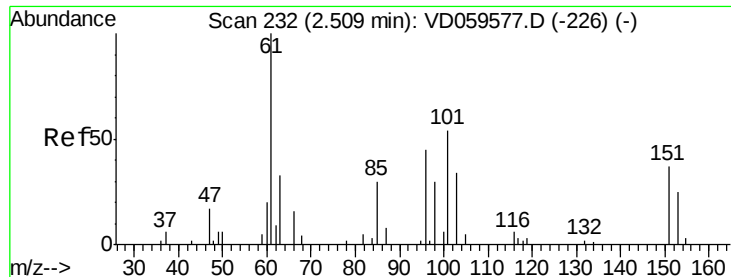
Diethyl Ether
 Concen: 50.96 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.03 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion: 74 Resp: 16602
 Ion Ratio Lower Upper
 74 100
 45 143.9 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: 55.46 ug/l

RT: 2.54 min Scan# 235

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

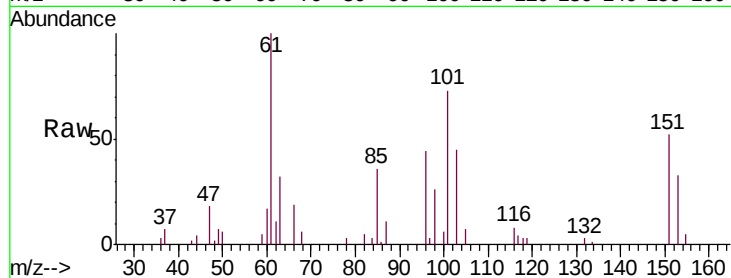
Tot Ion:101 Resp: 50298

Ion Ratio Lower Upper

101 100

85 49.9 44.5 66.7

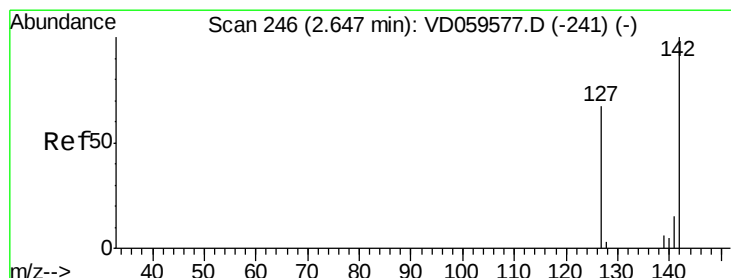
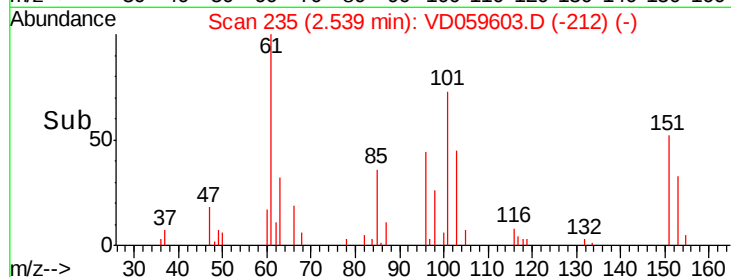
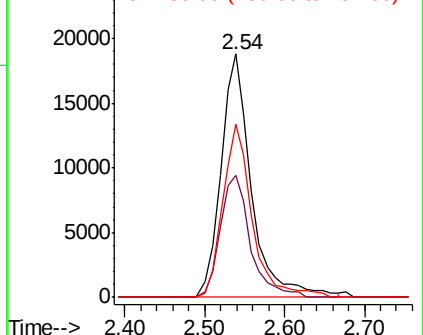
151 71.2 55.4 83.0



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: 49.79 ug/l

RT: 2.68 min Scan# 249

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

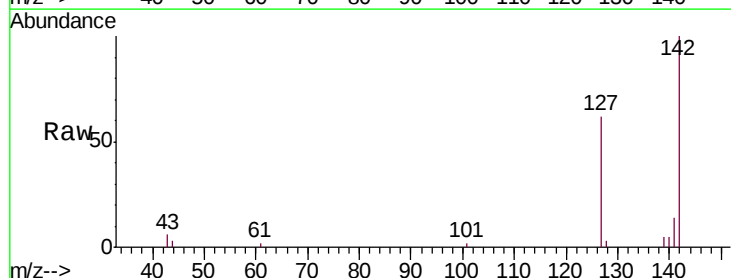
Tgt Ion:142 Resp: 58582

Ion Ratio Lower Upper

142 100

127 61.9 53.6 80.4

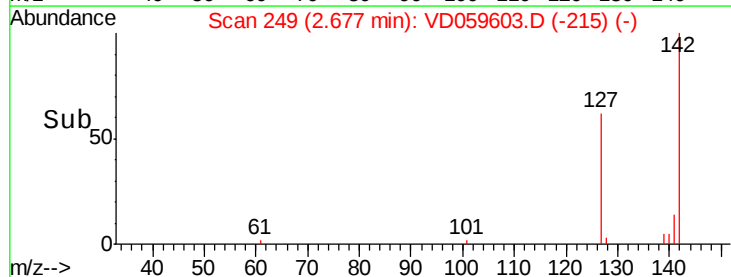
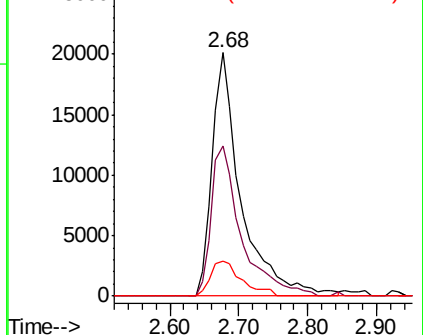
141 14.3 12.2 18.2

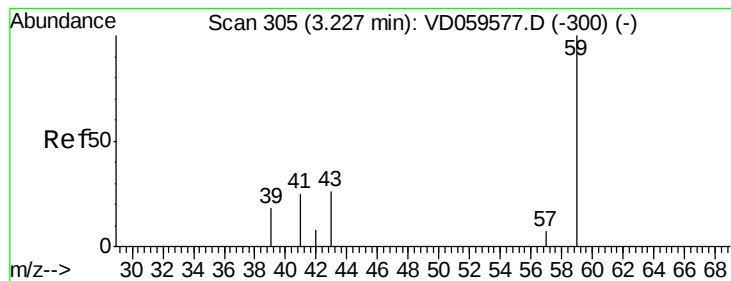


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



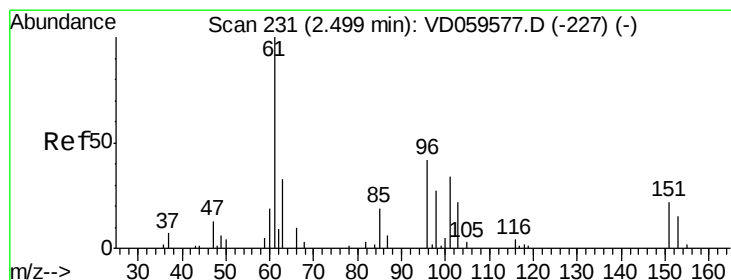
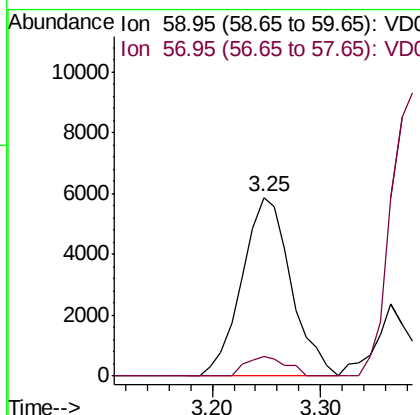
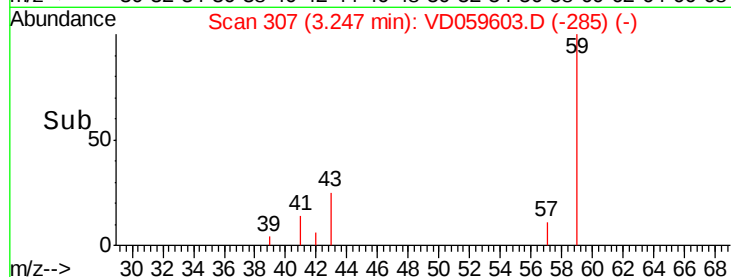
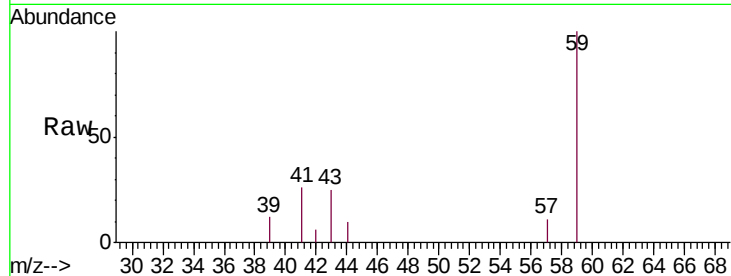


#11

Tert butyl alcohol
 Concen: 237.15 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

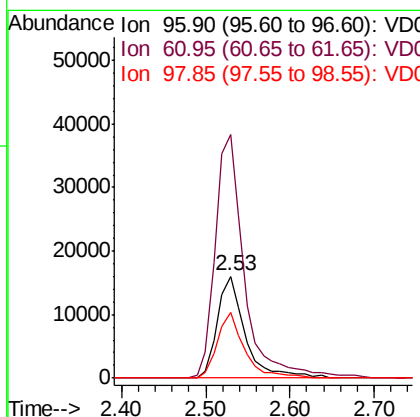
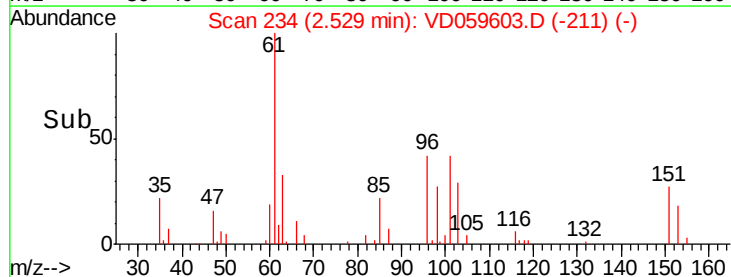
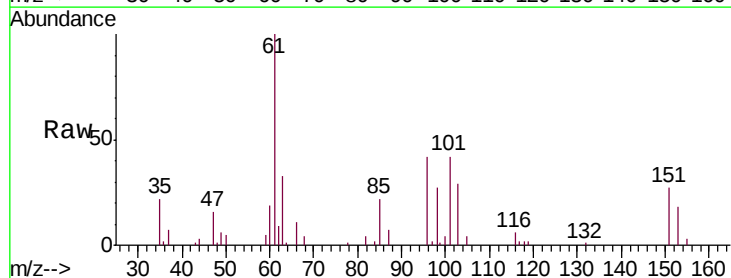
Tot Ion: 59 Resp: 18449
 Ion Ratio Lower Upper
 59 100
 57 10.8 5.5 8.3#

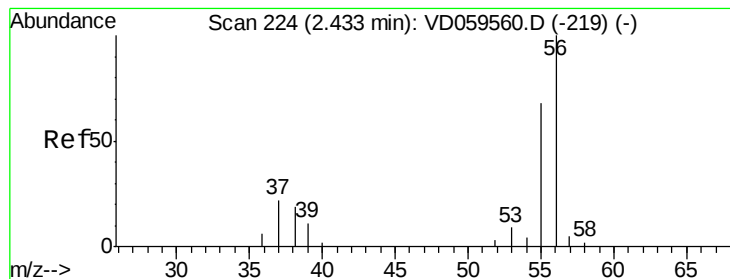


#12

1,1-Dichloroethene
 Concen: 55.93 ug/l
 RT: 2.53 min Scan# 234
 Delta R.T. 0.03 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion: 96 Resp: 36765
 Ion Ratio Lower Upper
 96 100
 61 239.6 188.8 283.2
 98 64.8 51.4 77.2





#13

Acrolein

Concen: 230.37 ug/l

RT: 2.45 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

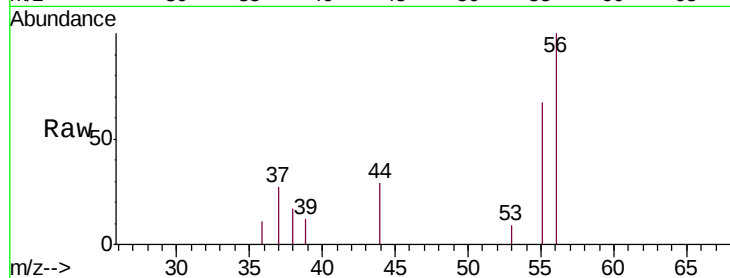
VSTDCCC050

Tot Ion: 56 Resp: 9233

Ion Ratio Lower Upper

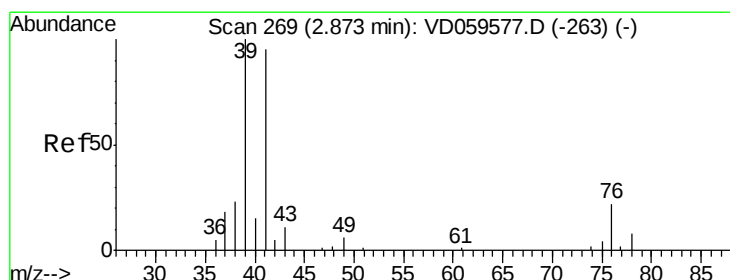
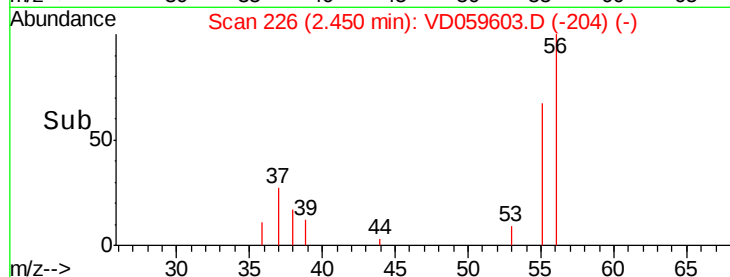
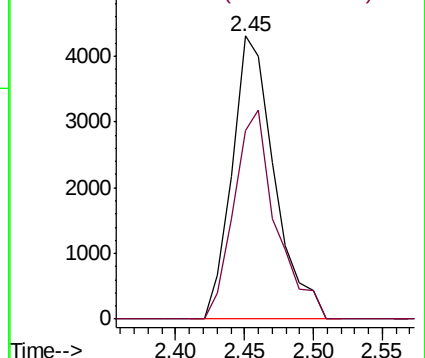
56 100

55 66.9 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: 52.71 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

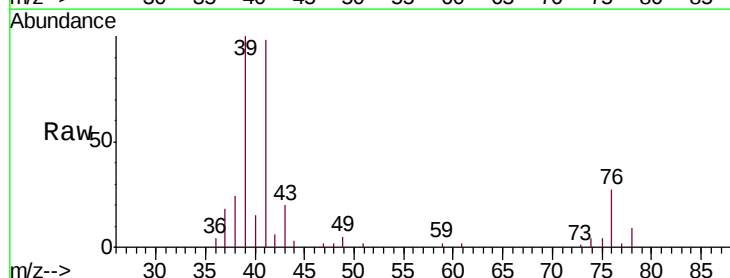
Tgt Ion: 41 Resp: 84009

Ion Ratio Lower Upper

41 100

39 102.1 83.8 125.8

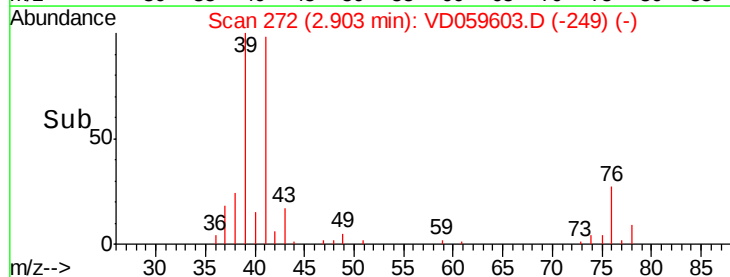
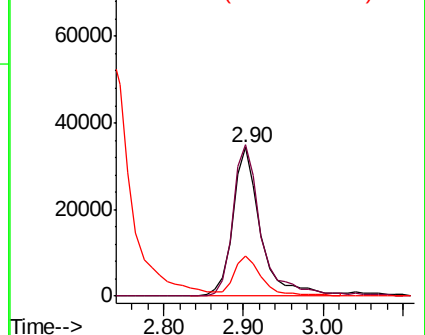
76 27.2 22.2 33.4

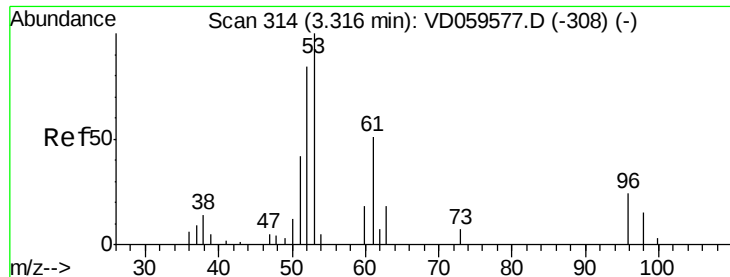


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 285.46 ug/l

RT: 3.34 min Scan# 316

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

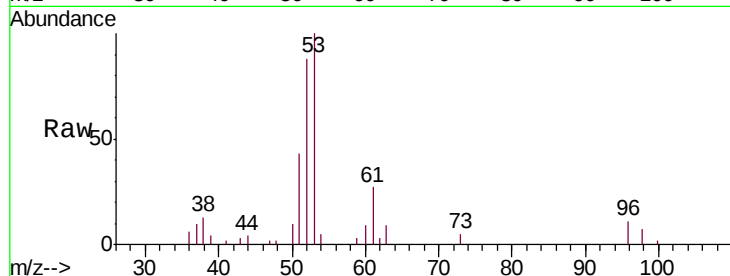
Tot Ion: 53 Resp: 48161

Ion Ratio Lower Upper

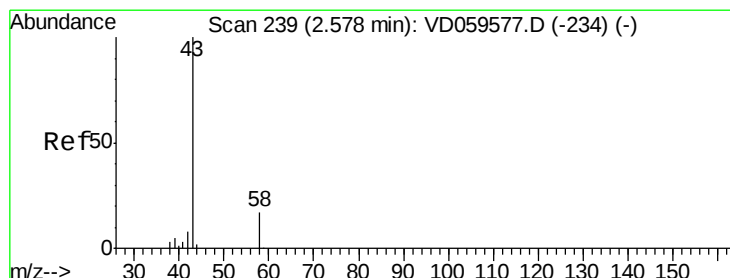
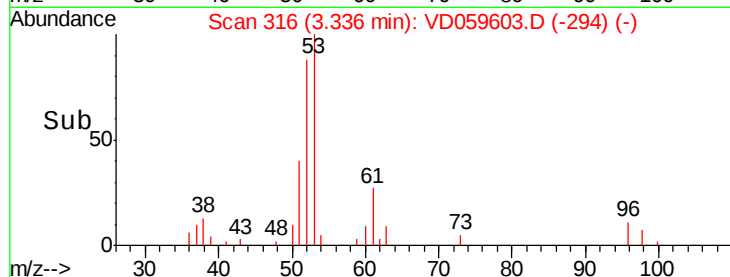
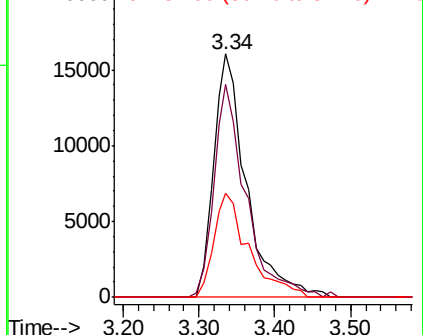
53 100

52 87.5 67.6 101.4

51 42.6 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: 279.24 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.02 min

Lab File: VD059603.D

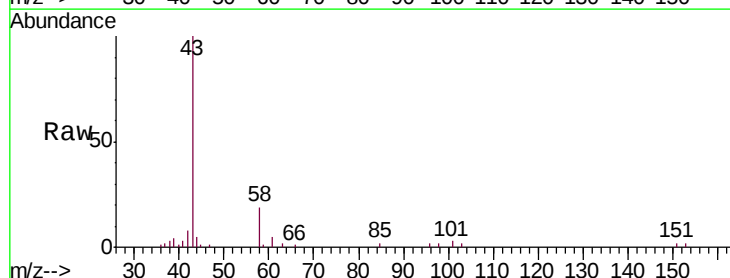
Acq: 26 Jul 2018 13:57

Tgt Ion: 43 Resp: 82231

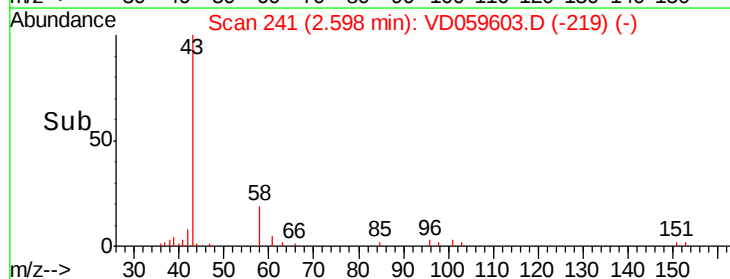
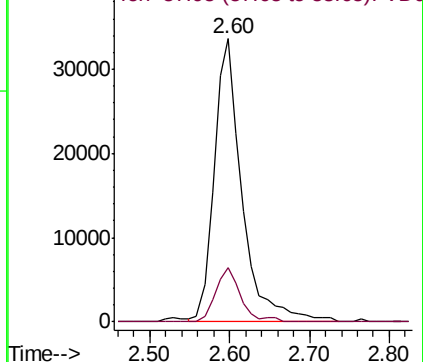
Ion Ratio Lower Upper

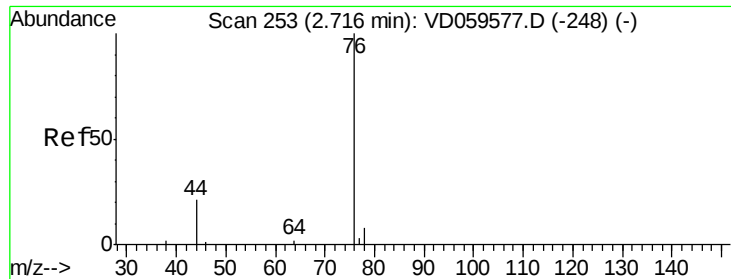
43 100

58 19.0 13.4 20.0



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

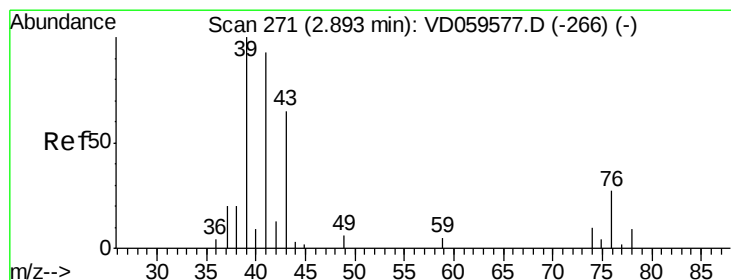
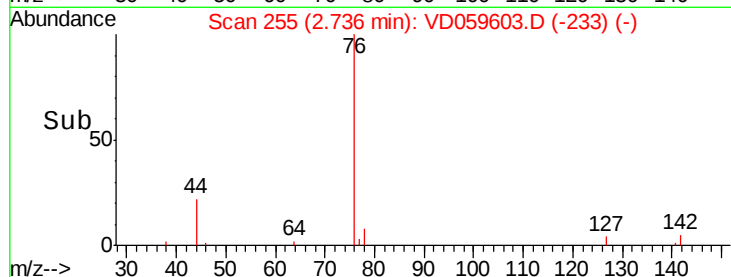
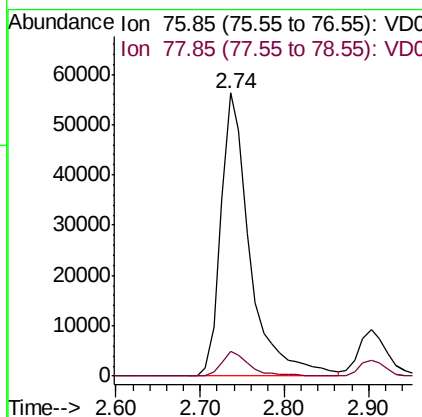
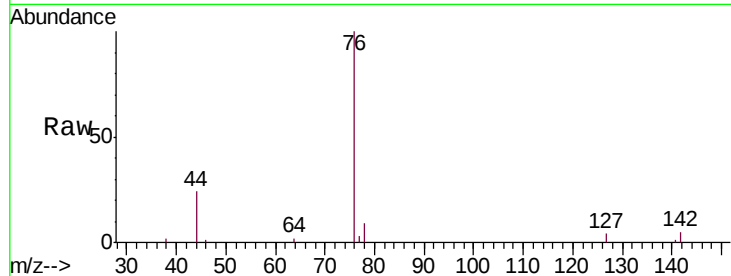




#17
Carbon Disulfide
Concen: 51.69 ug/l
RT: 2.74 min Scan# 255
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

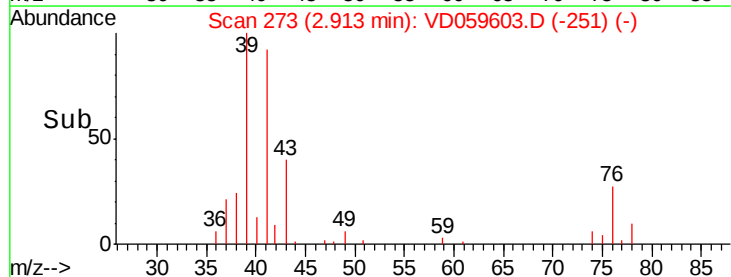
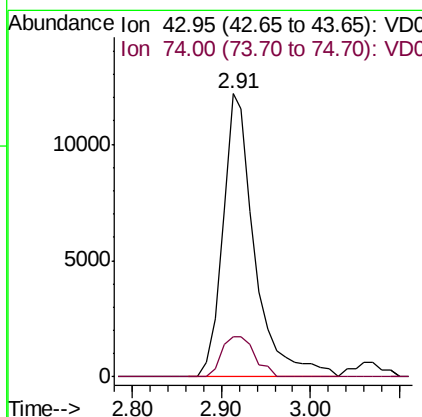
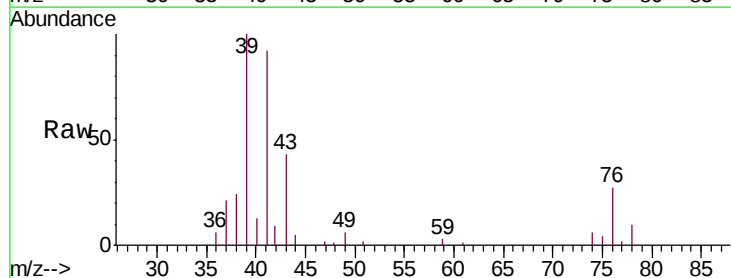
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

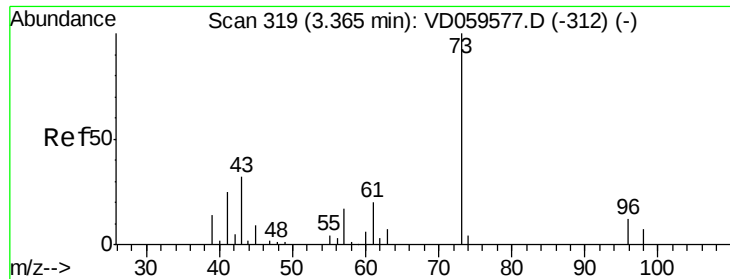
Tot Ion: 76 Resp: 134955
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



#18
Methyl Acetate
Concen: 51.43 ug/l
RT: 2.91 min Scan# 273
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 43 Resp: 30287
Ion Ratio Lower Upper
43 100
74 14.3 13.0 19.4

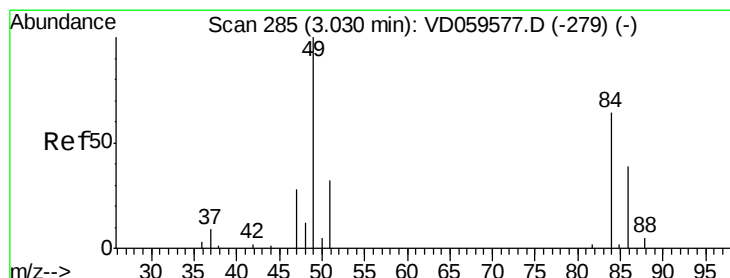
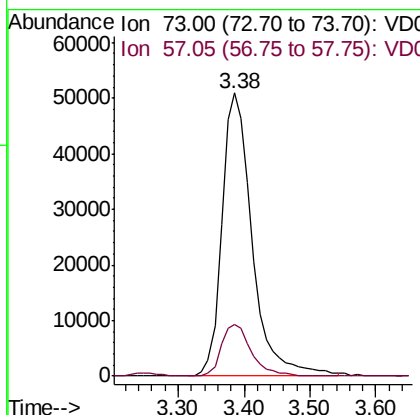
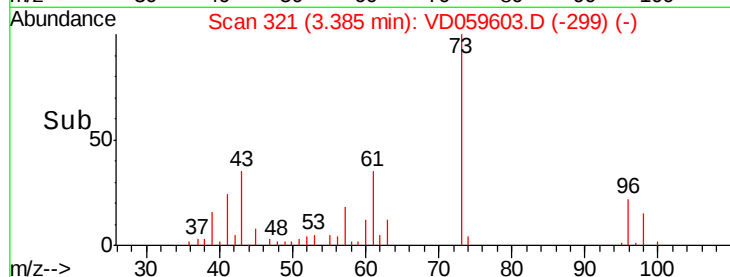
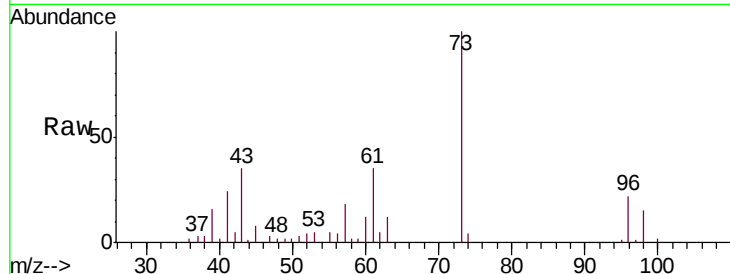




#19
Methyl tert-butyl Ether
Concen: 73.84 ug/l
RT: 3.38 min Scan# 321
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

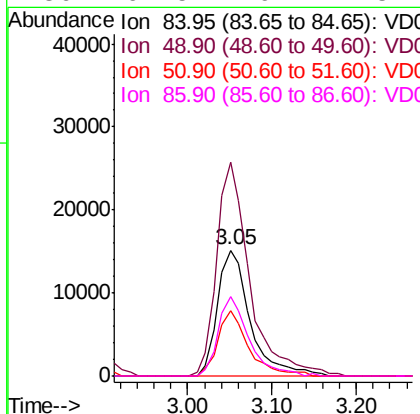
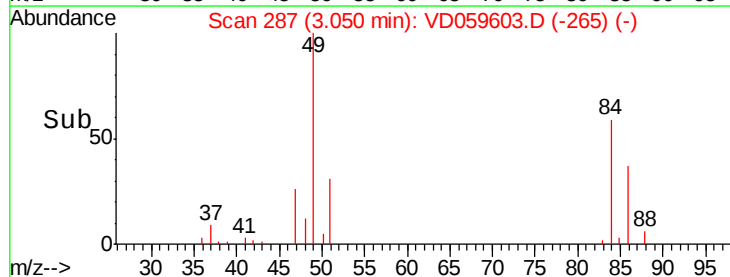
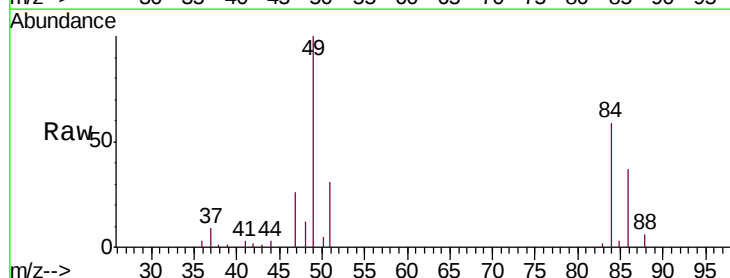
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

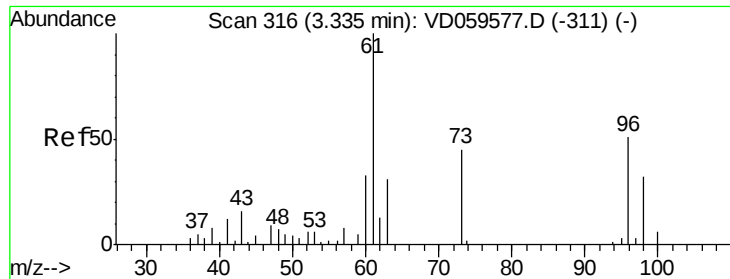
Tot Ion: 73 Resp: 162702
Ion Ratio Lower Upper
73 100
57 18.3 13.4 20.2



#20
Methylene Chloride
Concen: 48.76 ug/l
RT: 3.05 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 84 Resp: 40943
Ion Ratio Lower Upper
84 100
49 169.4 125.4 188.2
51 52.0 39.7 59.5
86 62.5 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 82.71 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

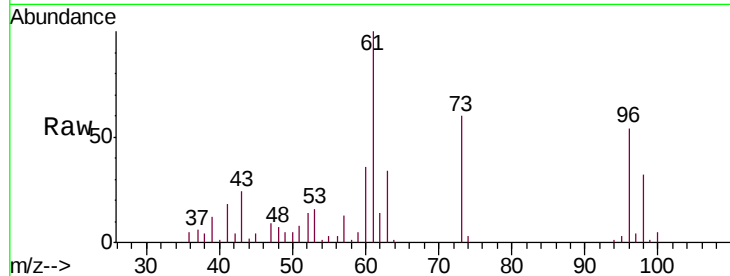
Tot Ion: 96 Resp: 58628

Ion Ratio Lower Upper

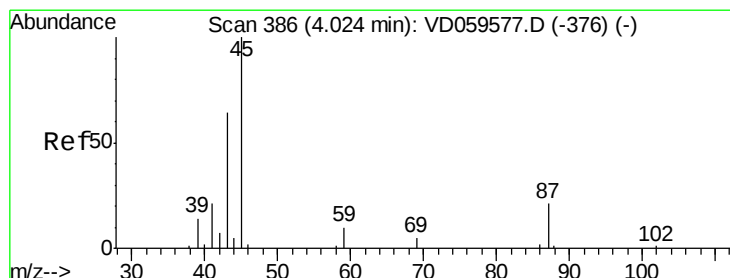
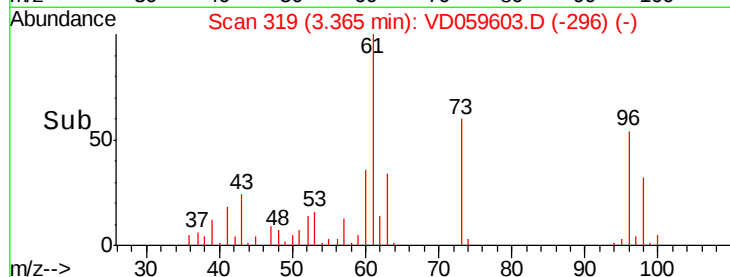
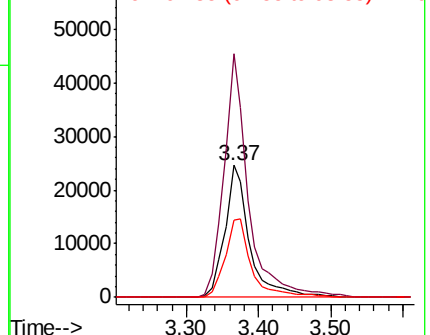
96 100

61 184.4 155.8 233.6

98 58.7 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: 47.81 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Tgt Ion: 45 Resp: 200370

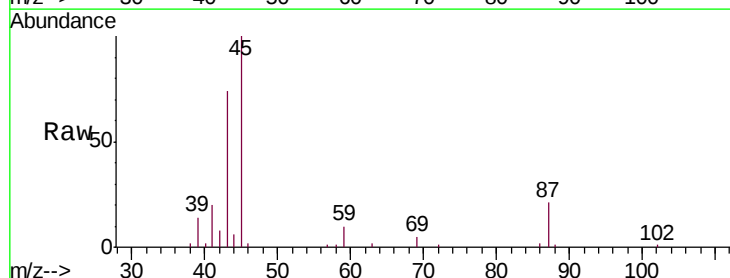
Ion Ratio Lower Upper

45 100

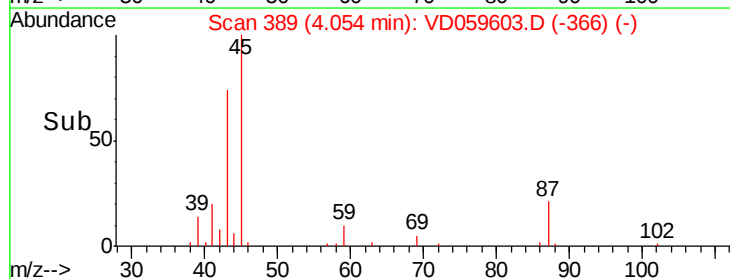
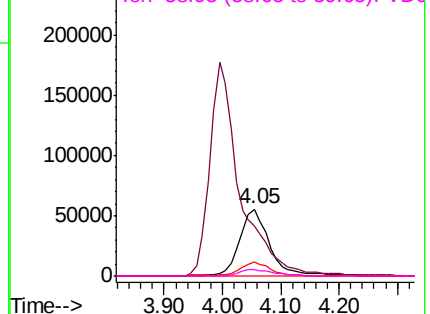
43 73.8 59.4 89.2

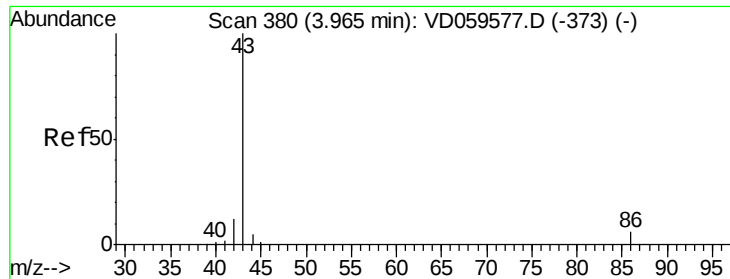
87 21.0 16.7 25.1

59 9.6 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: 236.87 ug/l

RT: 3.99 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

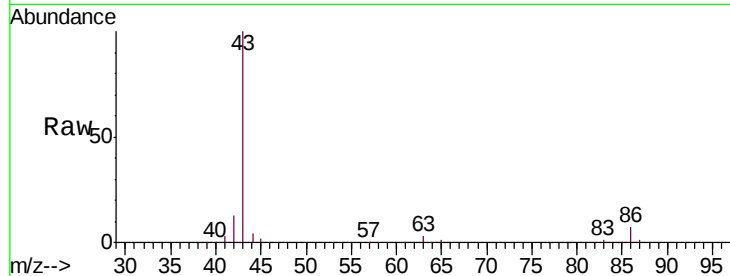
VSTDCCC050

Tot Ion: 43 Resp: 630068

Ion Ratio Lower Upper

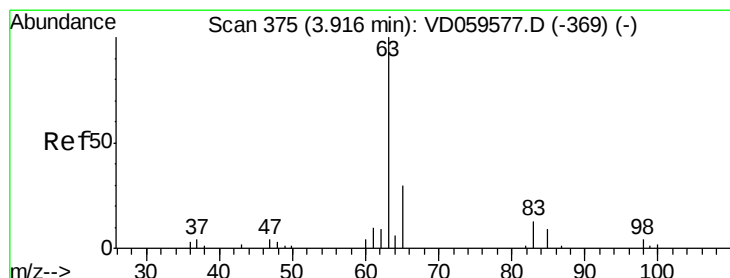
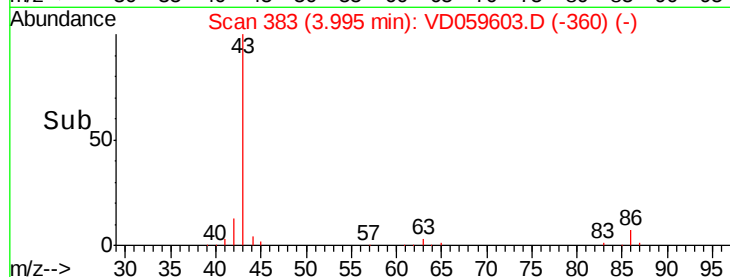
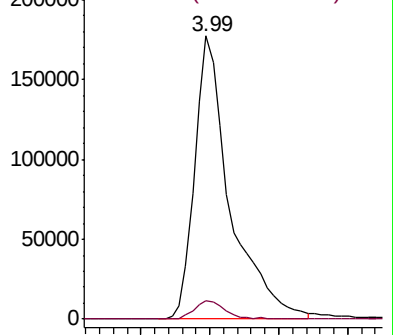
43 100

86 6.6 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.91 ug/l

RT: 3.96 min Scan# 379

Delta R.T. 0.04 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

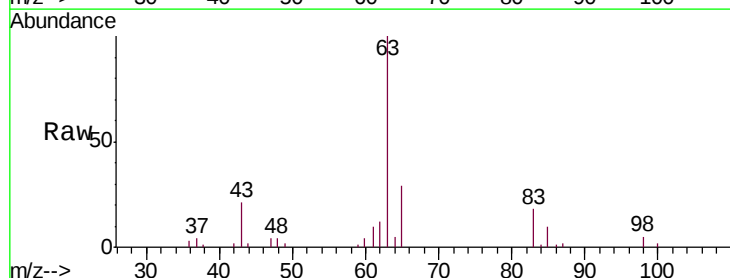
Tgt Ion: 63 Resp: 132047

Ion Ratio Lower Upper

63 100

98 5.2 1.8 5.5

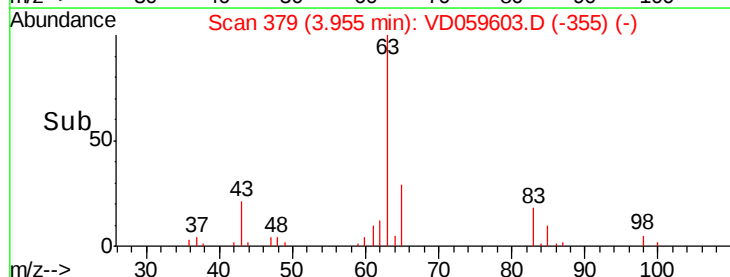
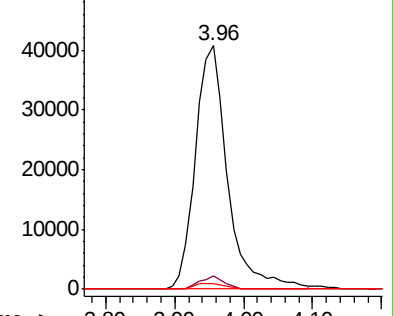
100 2.5 1.1 3.3

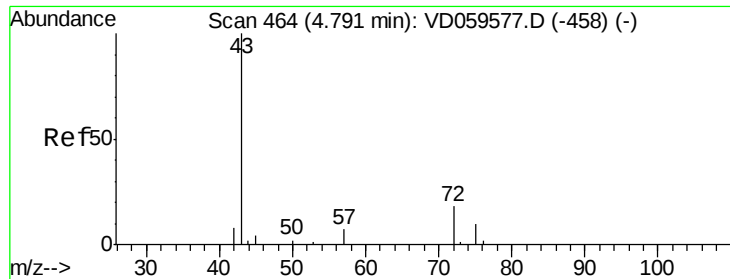


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 227.11 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

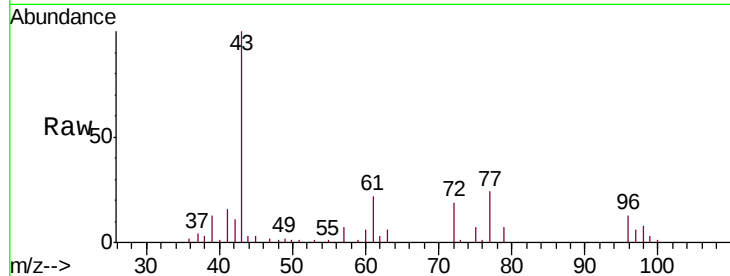
VSTDCCC050

Tot Ion: 43 Resp: 101992

Ion Ratio Lower Upper

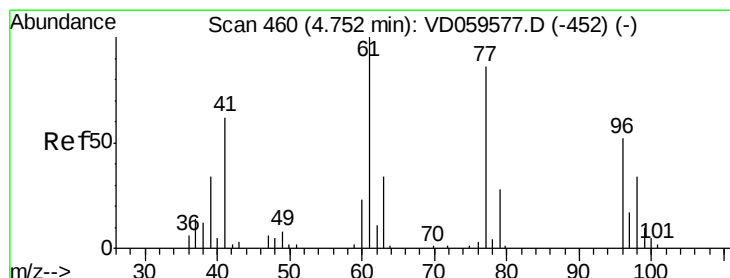
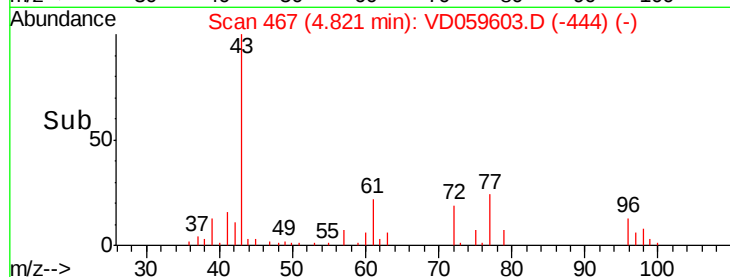
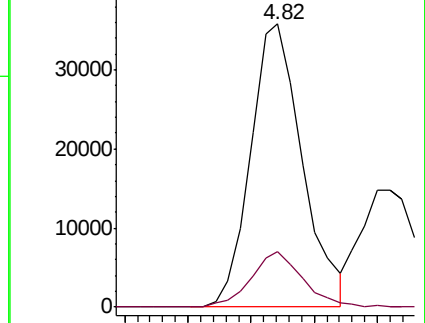
43 100

72 19.5 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: 53.08 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.03 min

Lab File: VD059603.D

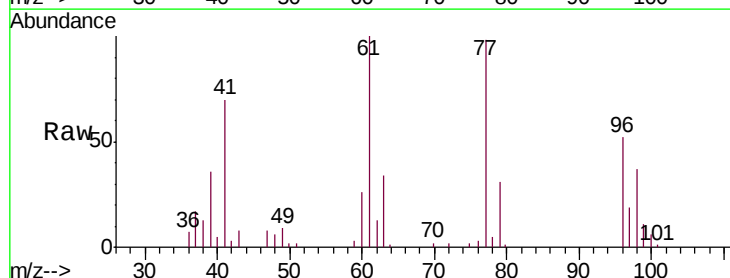
Acq: 26 Jul 2018 13:57

Tgt Ion: 77 Resp: 143844

Ion Ratio Lower Upper

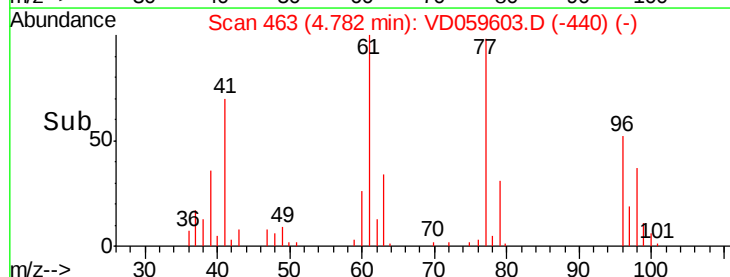
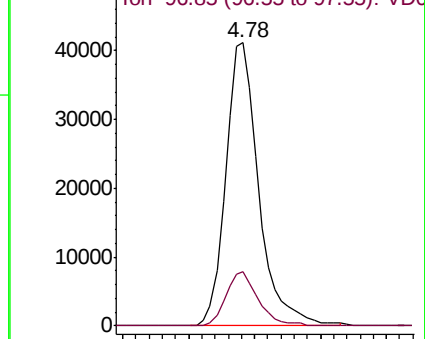
77 100

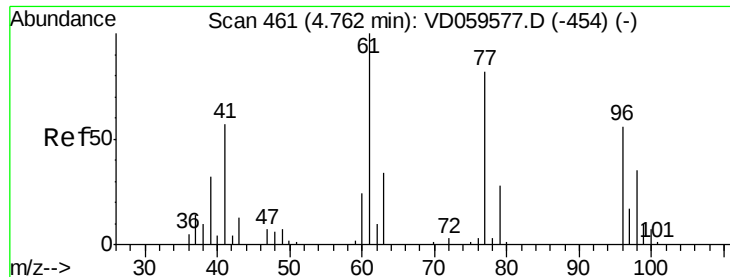
97 19.3 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



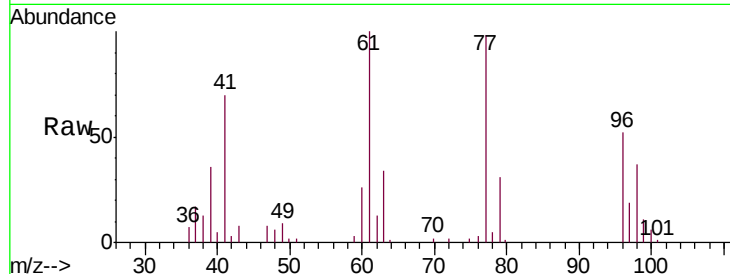


#27

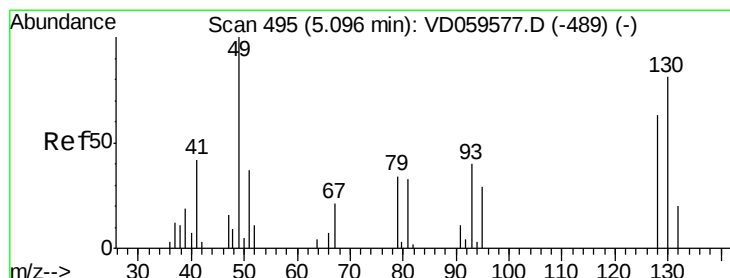
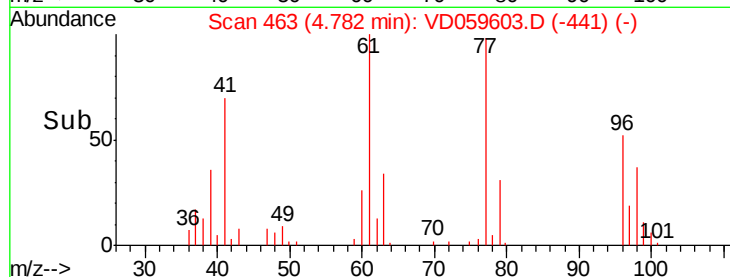
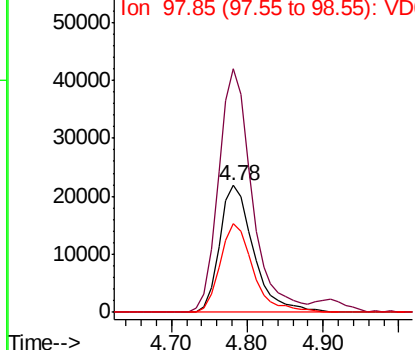
cis-1,2-Dichloroethene
Concen: 48.17 ug/l
RT: 4.78 min Scan# 463
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 68208
Ion Ratio Lower Upper
96 100
61 191.7 0.0 355.0
98 70.1 0.0 125.8



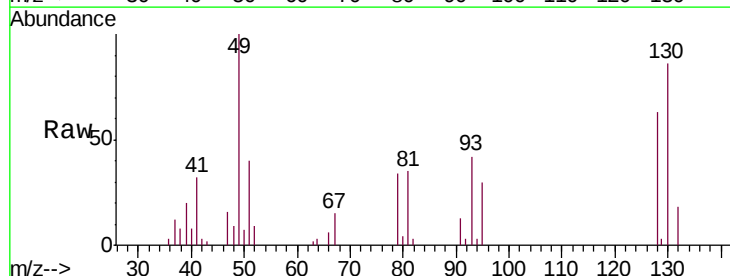
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



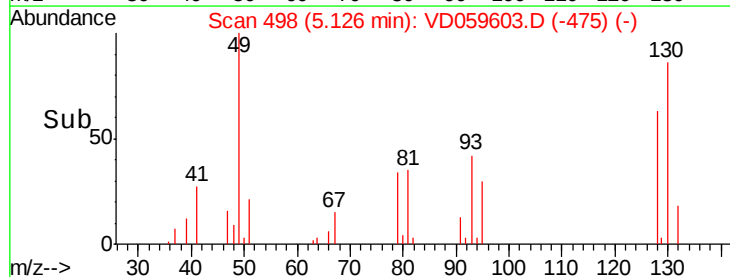
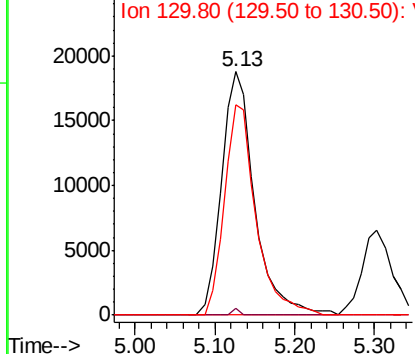
#28

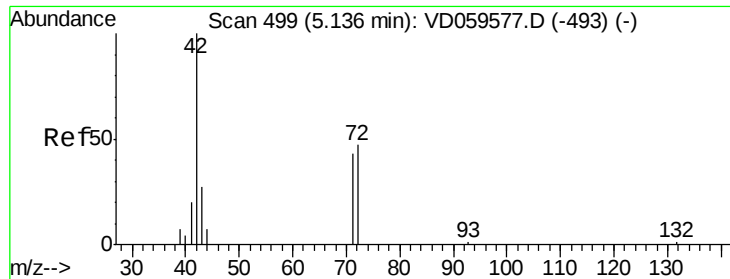
Bromochloromethane
Concen: 51.97 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.03 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 49 Resp: 54412
Ion Ratio Lower Upper
49 100
129 2.7 0.0 0.0#
130 86.3 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: 220.19 ug/l

RT: 5.17 min Scan# 502

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

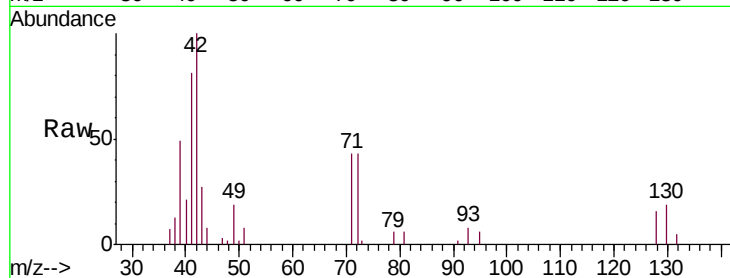
Tot Ion: 42 Resp: 45786

Ion Ratio Lower Upper

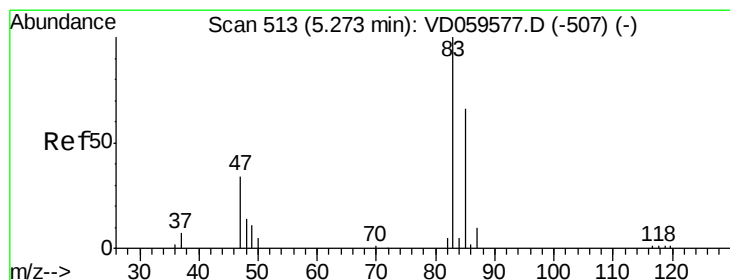
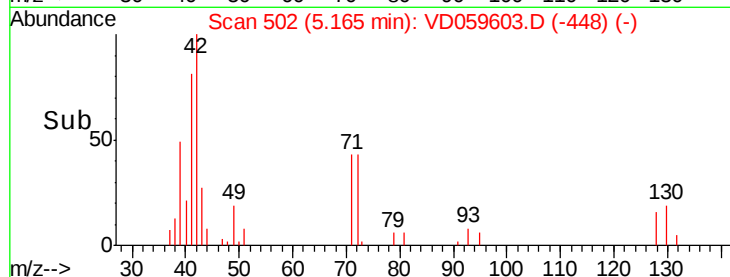
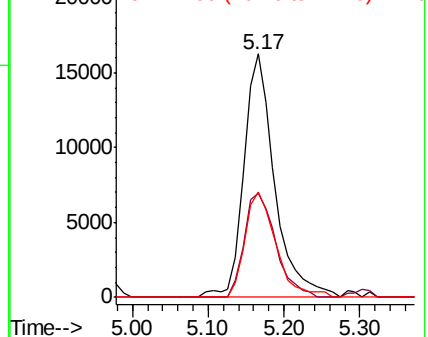
42 100

72 43.8 35.0 52.4

71 43.7 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: 51.24 ug/l

RT: 5.30 min Scan# 516

Delta R.T. 0.03 min

Lab File: VD059603.D

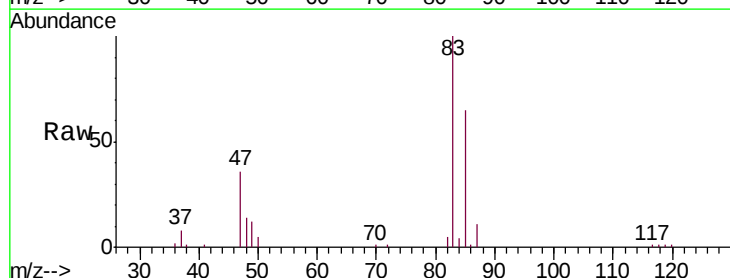
Acq: 26 Jul 2018 13:57

Tgt Ion: 83 Resp: 162137

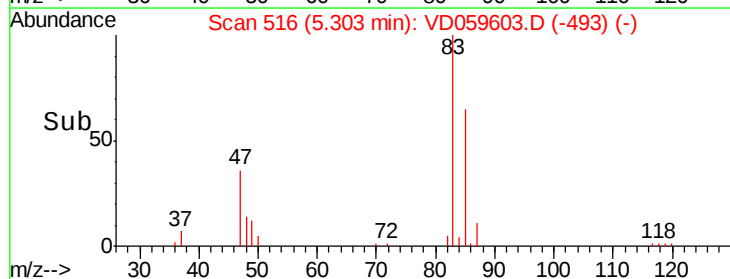
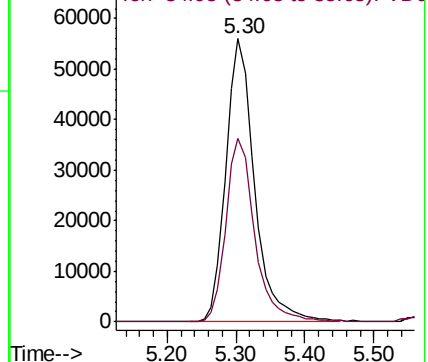
Ion Ratio Lower Upper

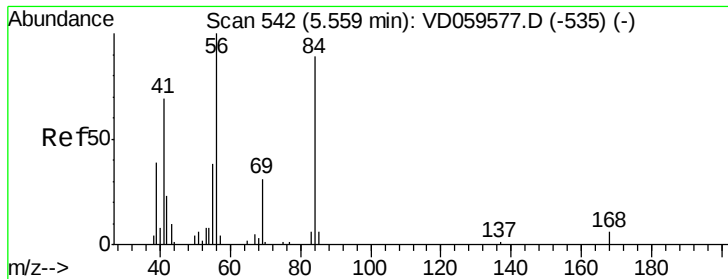
83 100

85 65.0 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: 51.34 ug/l

RT: 5.58 min Scan# 544

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

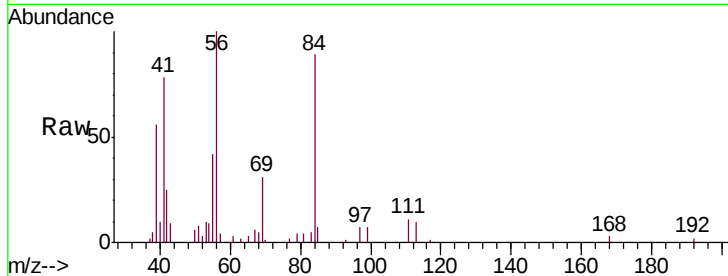
Tot Ion: 56 Resp: 86906

Ion Ratio Lower Upper

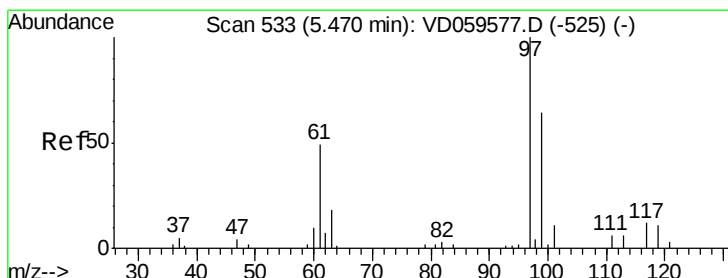
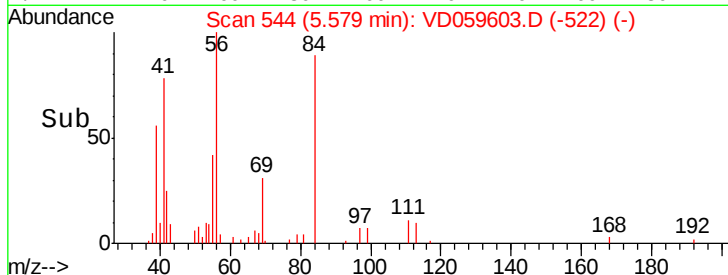
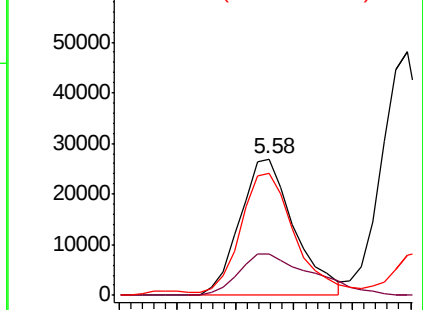
56 100

69 30.7 24.6 37.0

84 89.4 72.7 109.1



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



#32

1,1,1-Trichloroethane

Concen: 52.13 ug/l

RT: 5.49 min Scan# 535

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

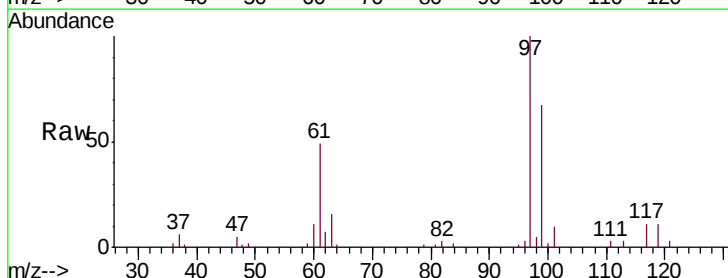
Tgt Ion: 97 Resp: 159703

Ion Ratio Lower Upper

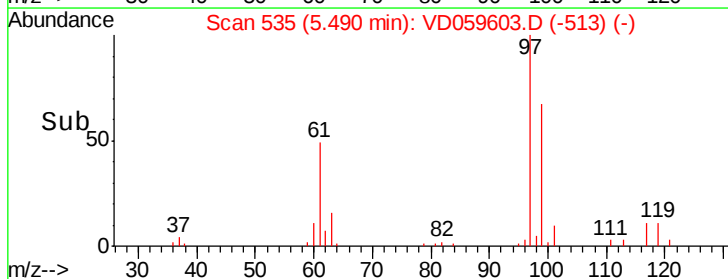
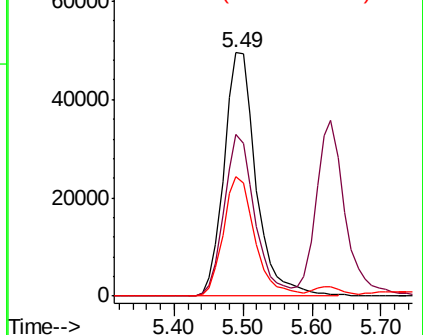
97 100

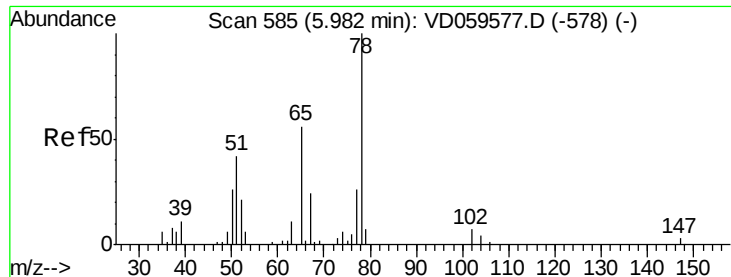
99 66.5 50.9 76.3

61 48.9 39.2 58.8



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

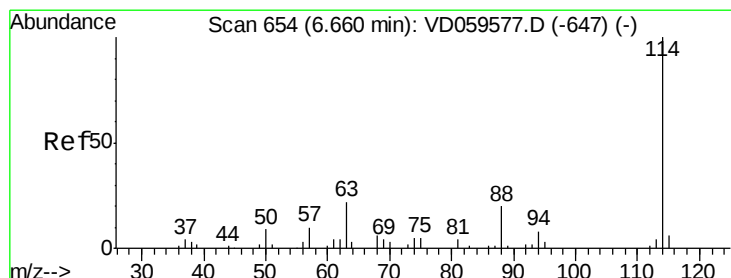
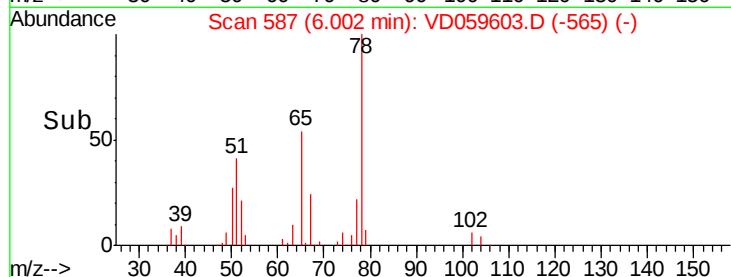
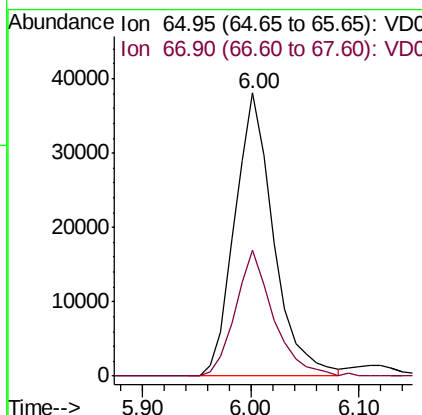
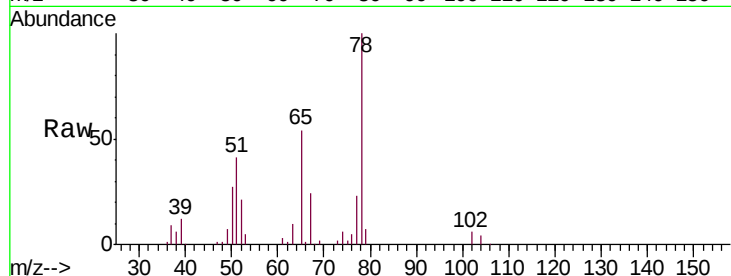




#33
 1,2-Dichloroethane-d4
 Concen: 52.13 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

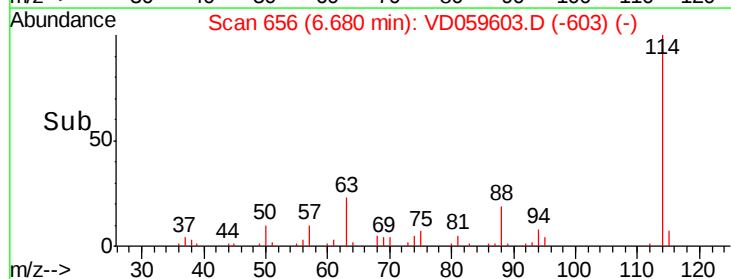
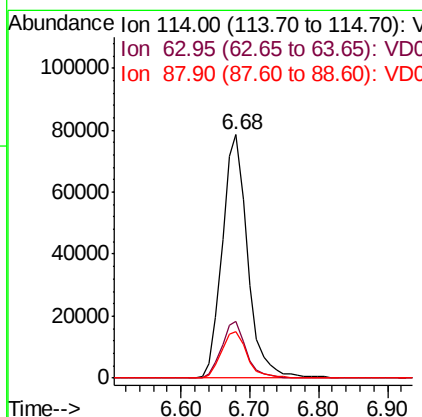
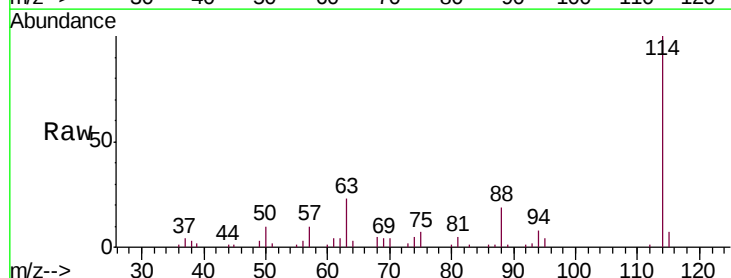
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

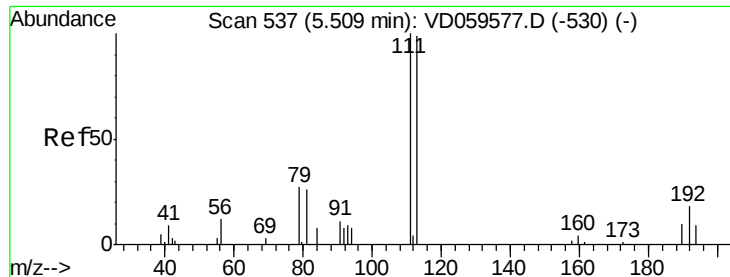
Tot Ion: 65 Resp: 95069
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion: 114 Resp: 199930
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.8
 88 19.3 0.0 39.0

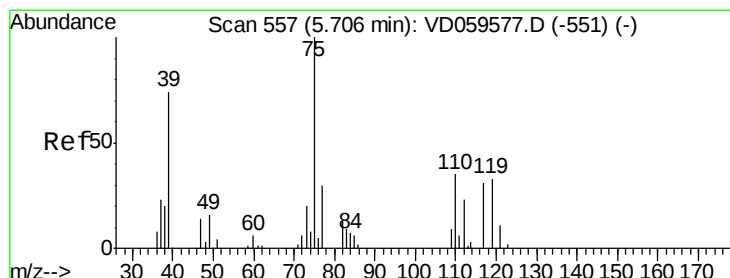
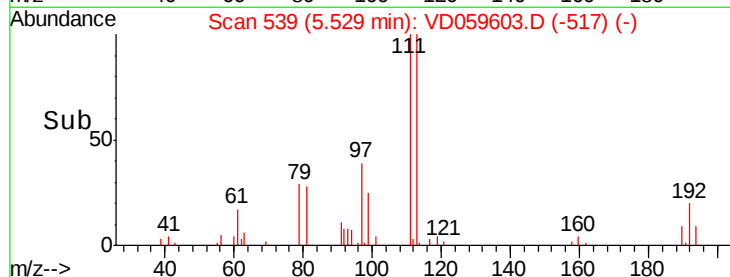
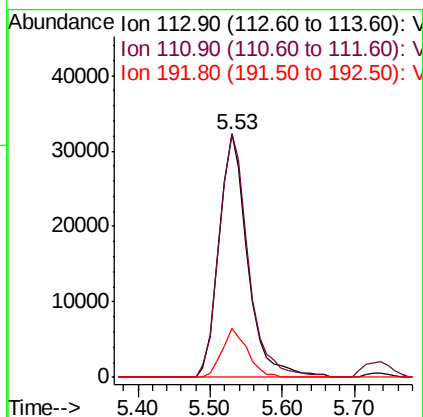
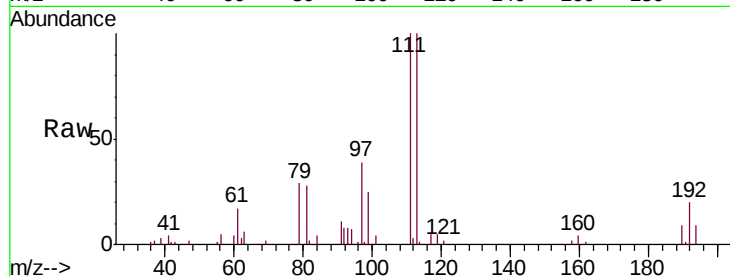




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

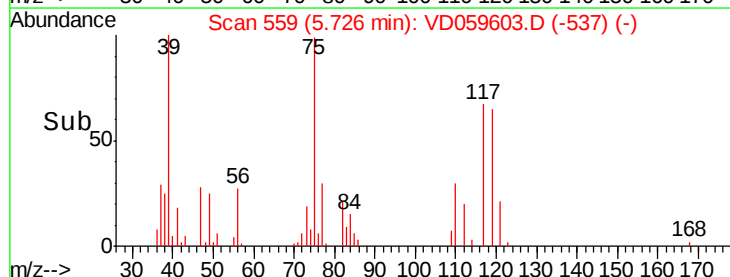
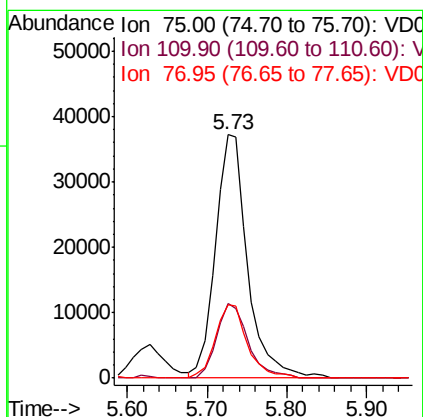
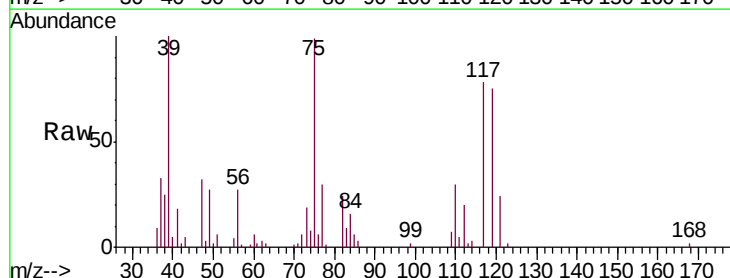
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

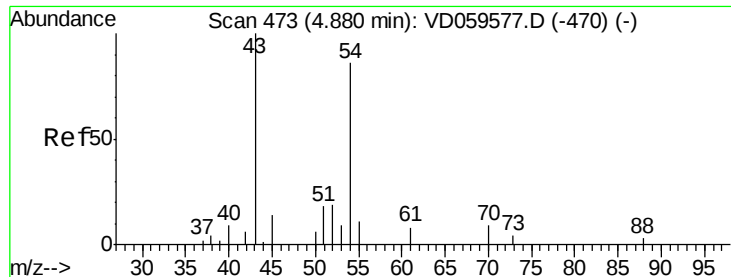
Tot Ion:113 Resp: 88451
 Ion Ratio Lower Upper
 113 100
 111 100.1 80.5 120.7
 192 20.3 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 52.57 ug/l
 RT: 5.73 min Scan# 559
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion: 75 Resp: 105474
 Ion Ratio Lower Upper
 75 100
 110 30.7 17.0 50.9
 77 30.0 23.6 35.4





#37

Ethyl Acetate

Concen: 49.16 ug/l

RT: 4.91 min Scan# 476

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

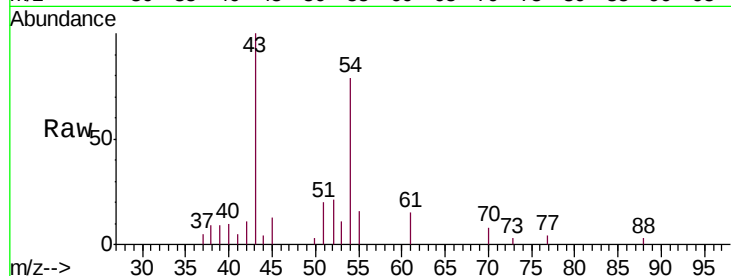
Tot Ion: 43 Resp: 50738

Ion Ratio Lower Upper

43 100

61 14.9 10.7 16.1

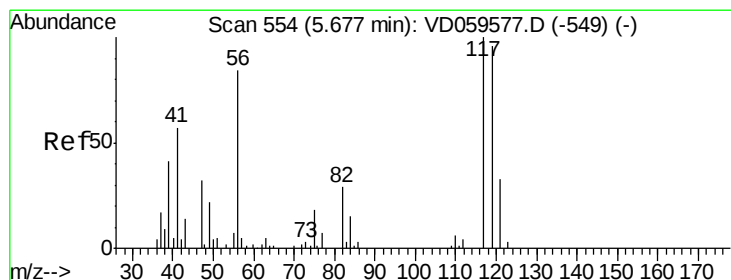
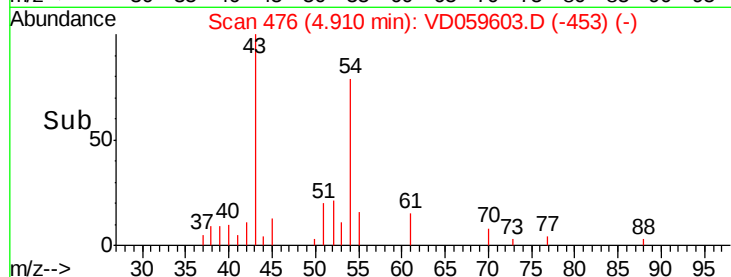
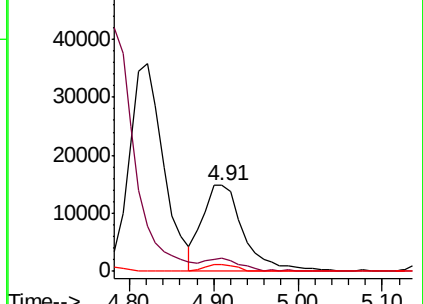
70 8.0 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 52.20 ug/l

RT: 5.71 min Scan# 557

Delta R.T. 0.03 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

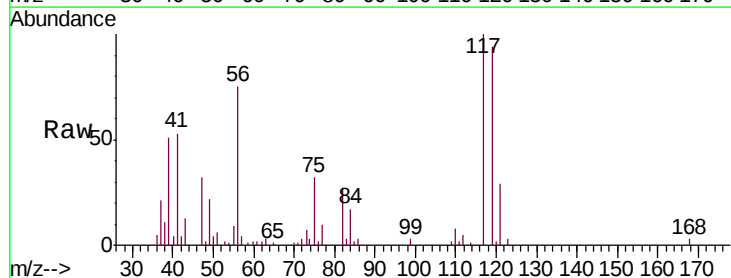
Tgt Ion: 117 Resp: 143414

Ion Ratio Lower Upper

117 100

119 93.8 73.6 110.4

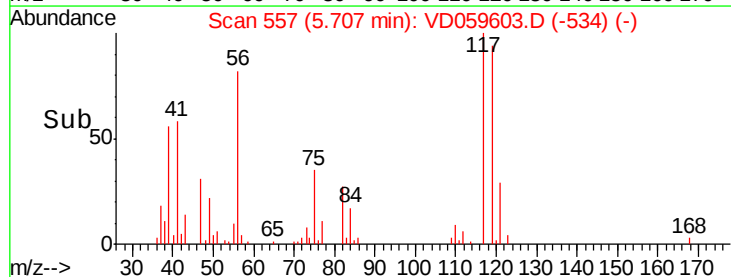
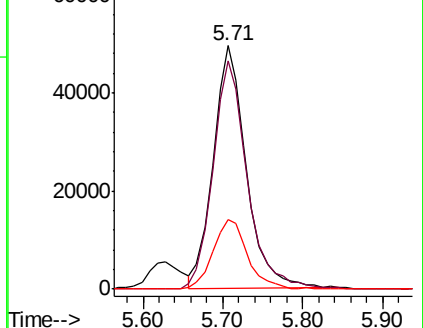
121 28.7 25.0 37.6

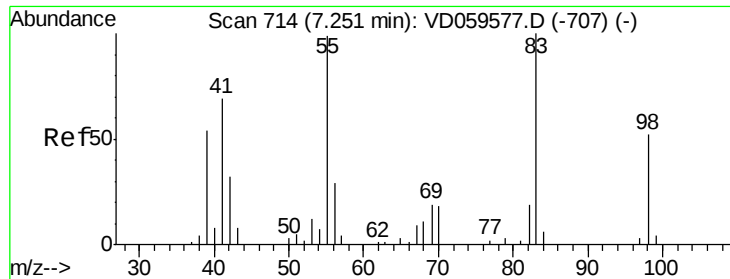


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

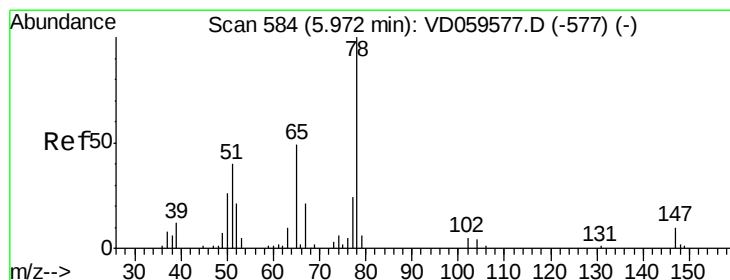
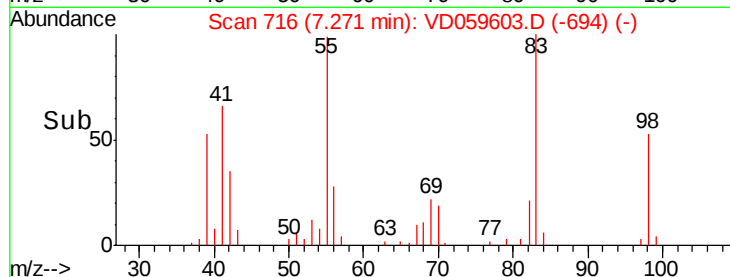
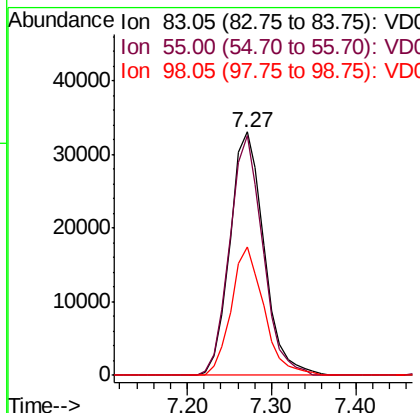
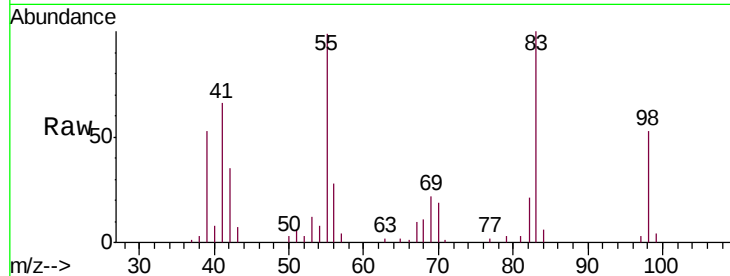




#39
Methylcyclohexane
Concen: 50.30 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

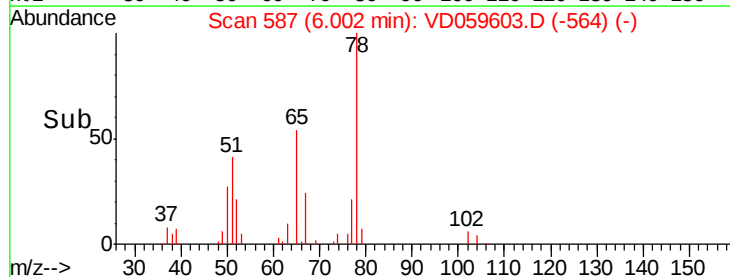
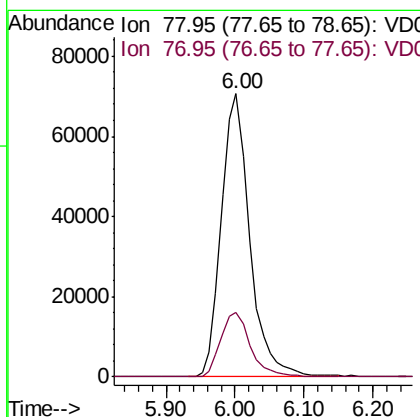
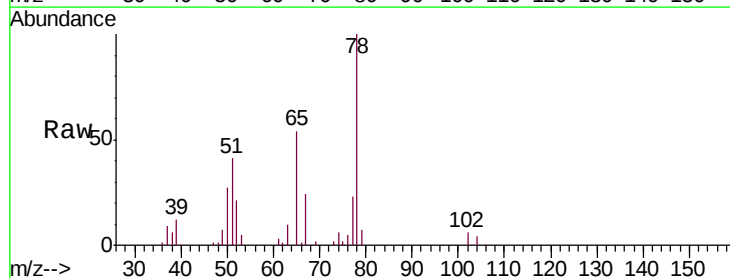
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

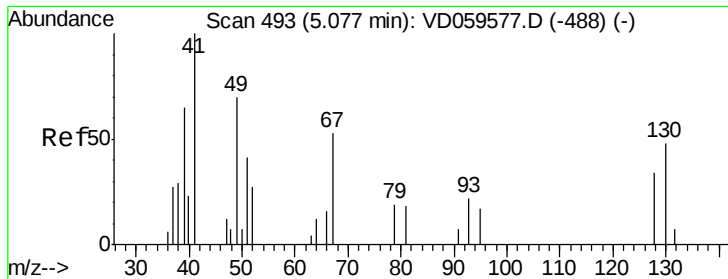
Tot Ion: 83 Resp: 92799
Ion Ratio Lower Upper
83 100
55 98.7 79.4 119.0
98 52.7 41.6 62.4



#40
Benzene
Concen: 49.22 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.03 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 78 Resp: 202501
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.6

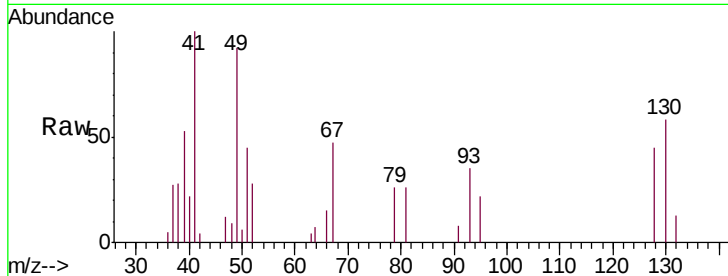




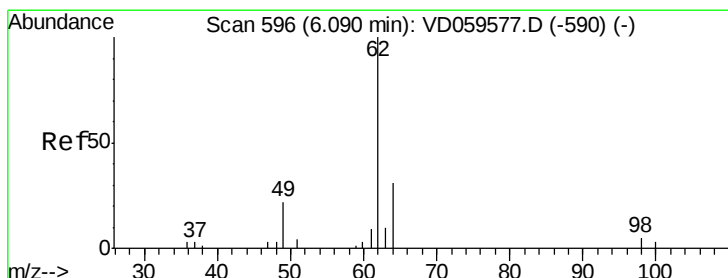
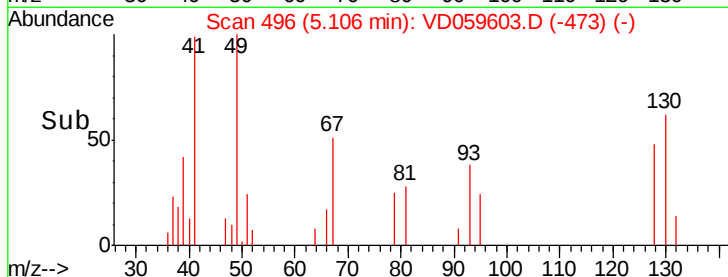
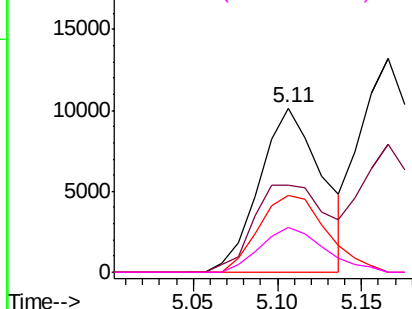
#41
Methacrylonitrile
Concen: 50.96 ug/l
RT: 5.11 min Scan# 496
Delta R.T. 0.03 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 26247
Ion Ratio Lower Upper
41 100
39 52.9 52.1 78.1
67 47.0 42.5 63.7
52 27.7 21.8 32.8

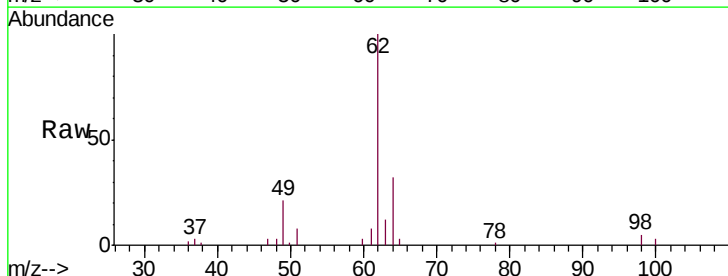


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

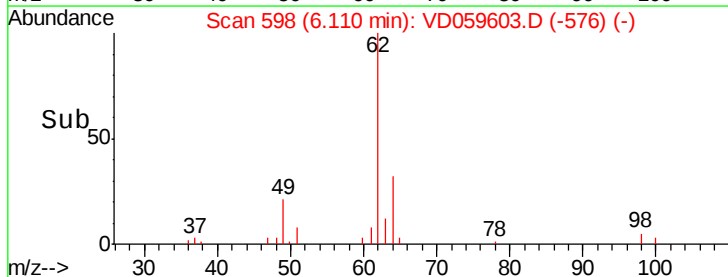
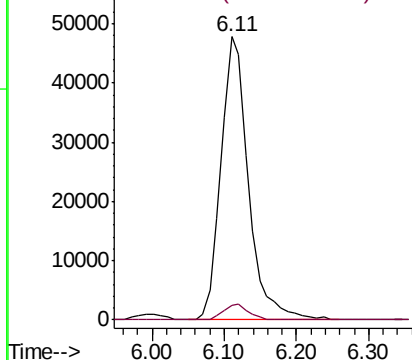


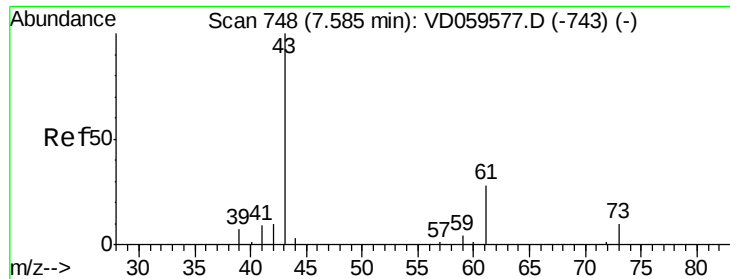
#42
1,2-Dichloroethane
Concen: 50.64 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 62 Resp: 125519
Ion Ratio Lower Upper
62 100
98 5.1 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: 49.75 ug/l

RT: 7.61 min Scan# 750

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

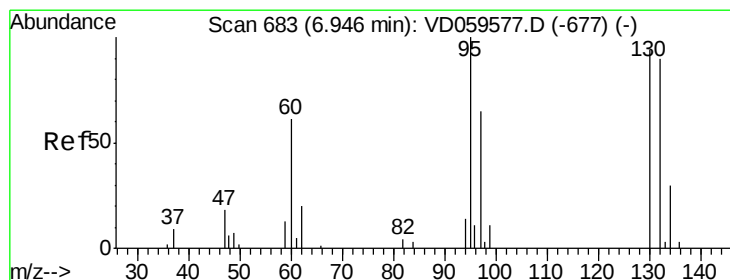
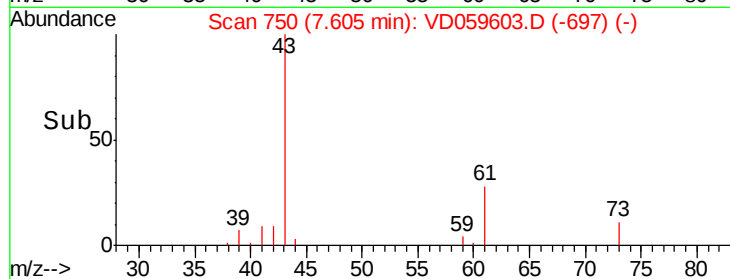
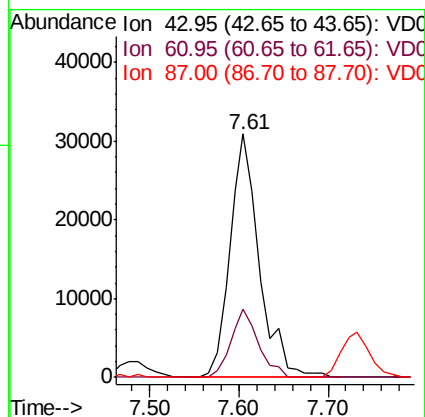
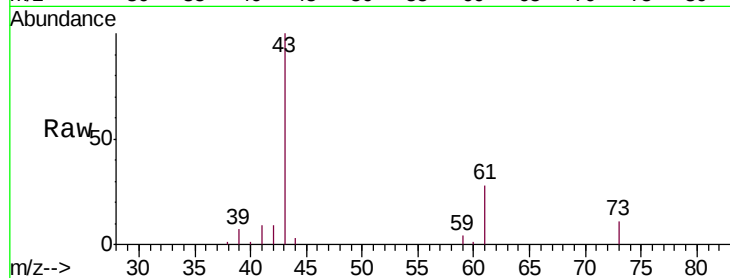
Tot Ion: 43 Resp: 71200

Ion Ratio Lower Upper

43 100

61 28.2 22.0 33.0

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 53.64 ug/l

RT: 6.97 min Scan# 685

Delta R.T. 0.02 min

Lab File: VD059603.D

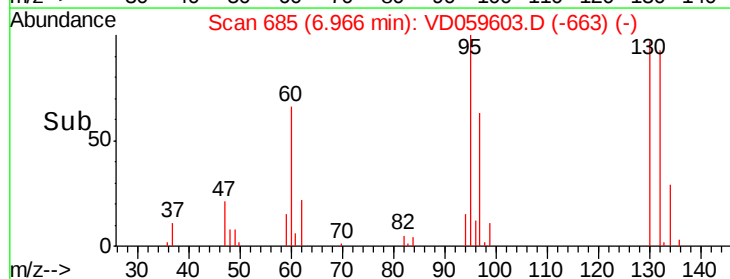
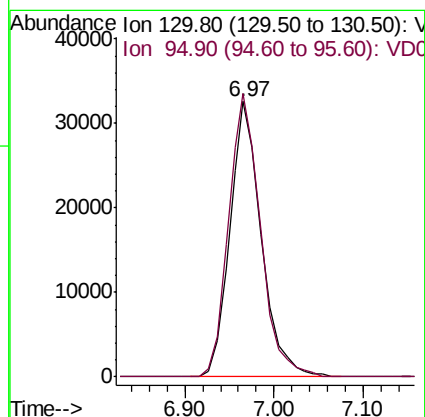
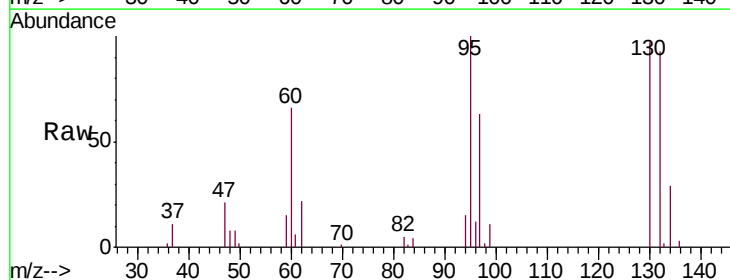
Acq: 26 Jul 2018 13:57

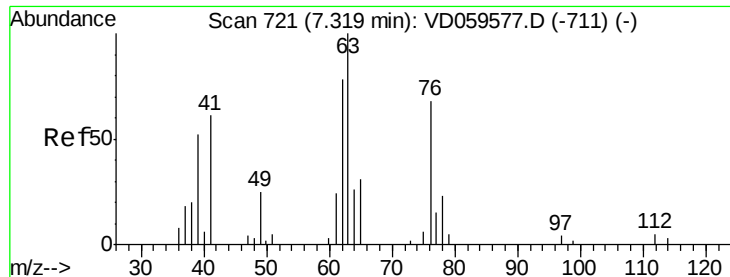
Tgt Ion:130 Resp: 80043

Ion Ratio Lower Upper

130 100

95 102.8 0.0 213.2





#45

1,2-Dichloropropane

Concen: 49.50 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

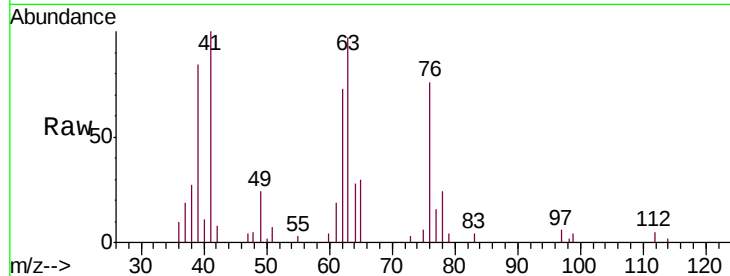
VSTDCCC050

Tot Ion: 63 Resp: 57029

Ion Ratio Lower Upper

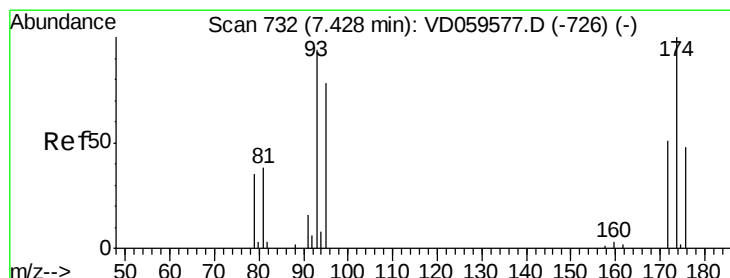
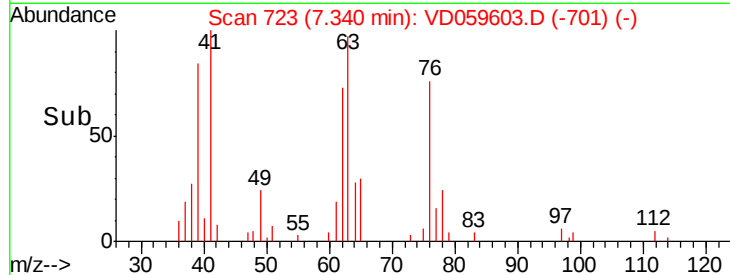
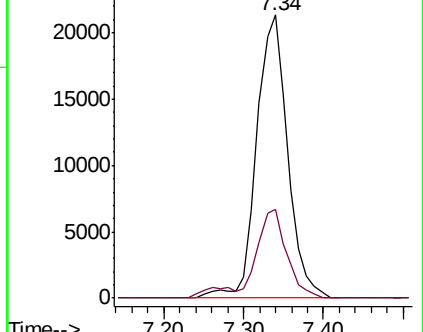
63 100

65 31.2 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.44 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

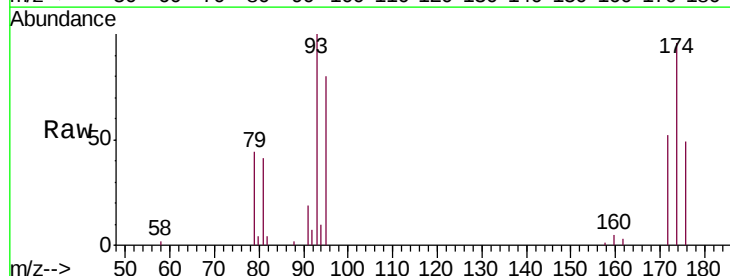
Tgt Ion: 93 Resp: 50093

Ion Ratio Lower Upper

93 100

95 80.5 65.8 98.8

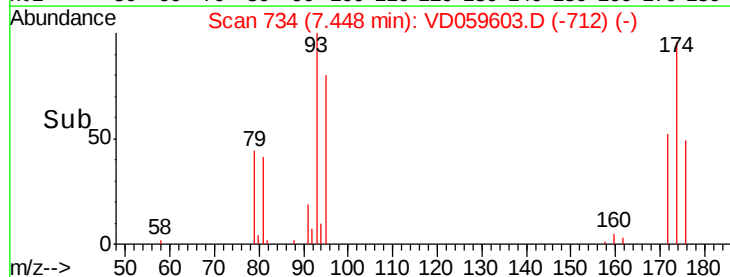
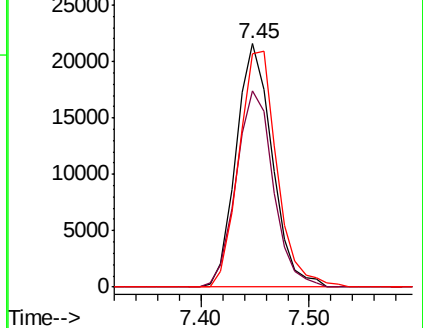
174 96.1 84.7 127.1

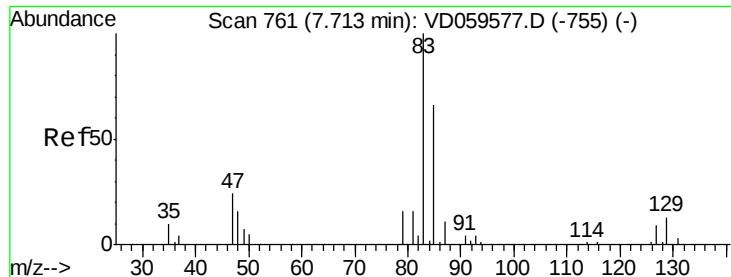


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 52.89 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

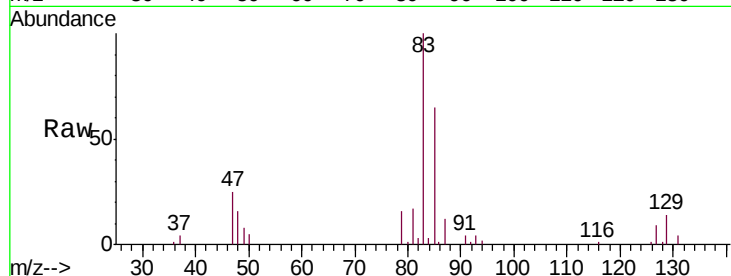
Tot Ion: 83 Resp: 123012

Ion Ratio Lower Upper

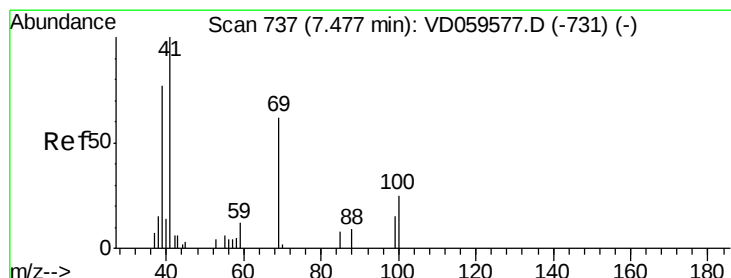
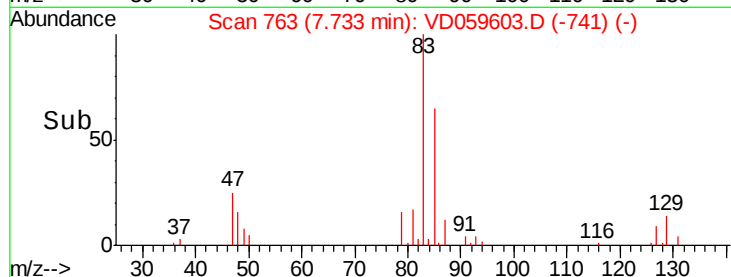
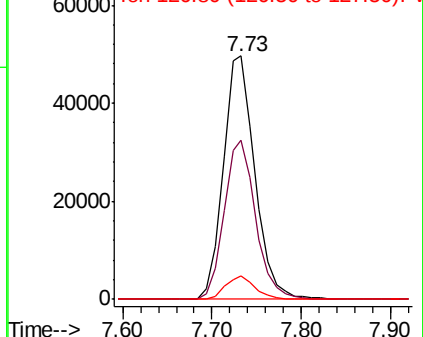
83 100

85 65.3 53.1 79.7

127 9.5 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: 51.20 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

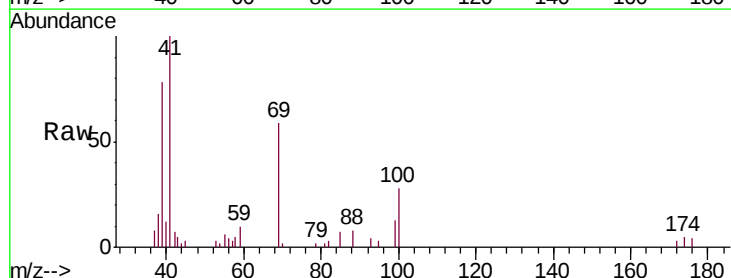
Tgt Ion: 41 Resp: 48594

Ion Ratio Lower Upper

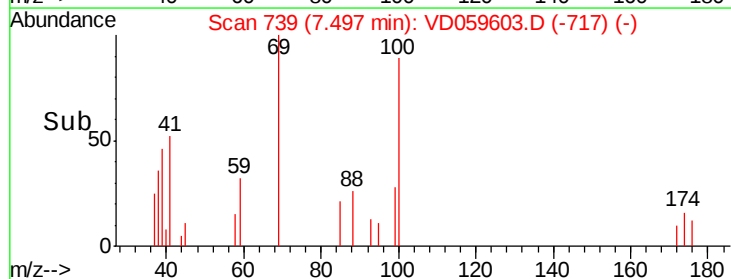
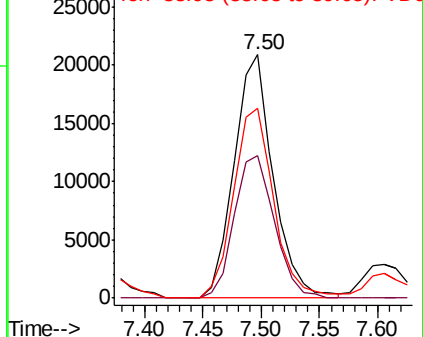
41 100

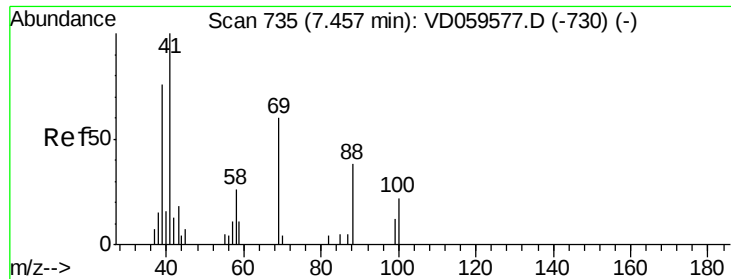
69 58.6 49.4 74.0

39 78.2 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: 964.25 ug/l

RT: 7.48 min Scan# 737

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

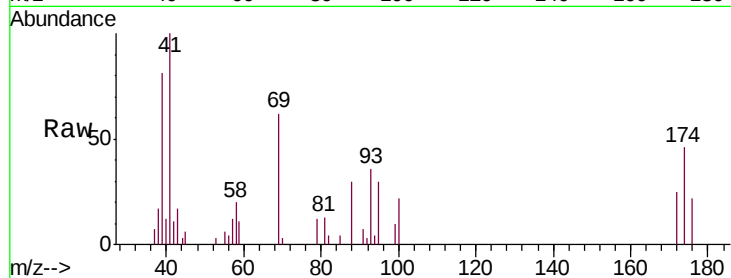
Tot Ion: 88 Resp: 8553

Ion Ratio Lower Upper

88 100

43 57.0 37.4 56.2#

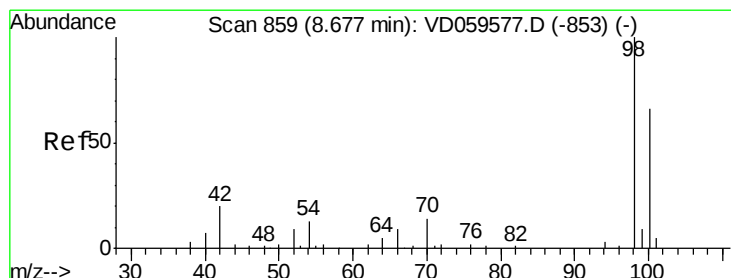
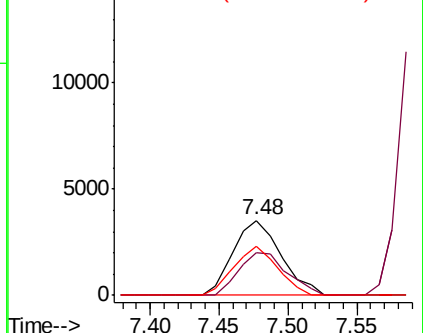
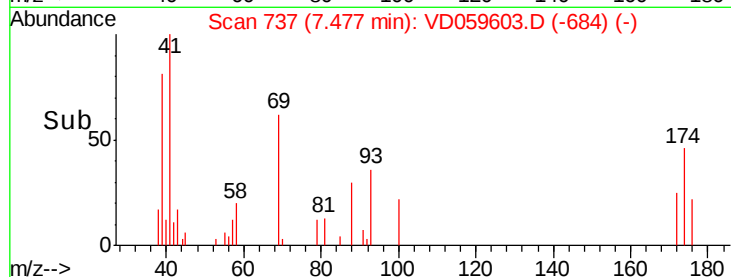
58 65.7 55.6 83.4



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: 964.25 ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.02 min

Lab File: VD059603.D

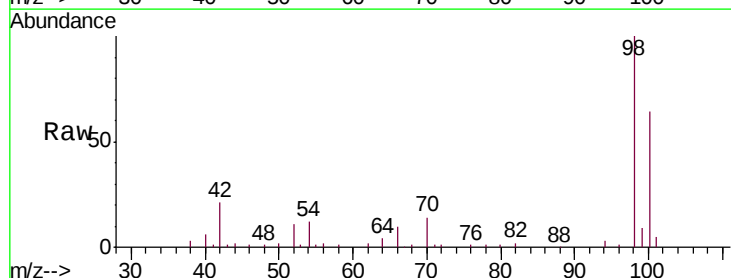
Acq: 26 Jul 2018 13:57

Tgt Ion: 98 Resp: 191050

Ion Ratio Lower Upper

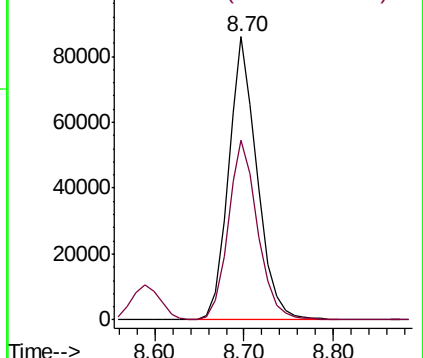
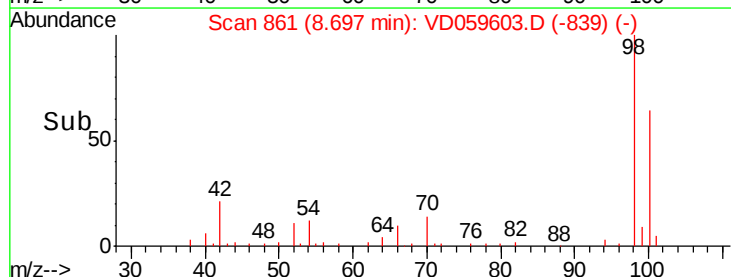
98 100

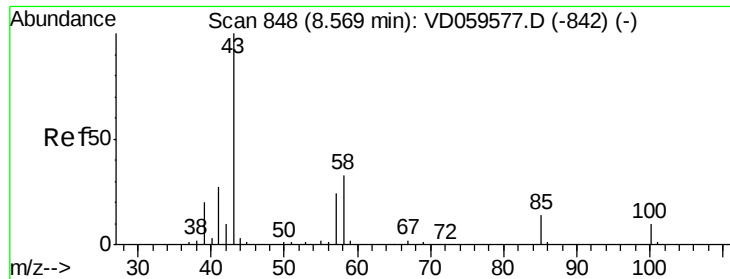
100 63.7 53.2 79.8



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: 228.59 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

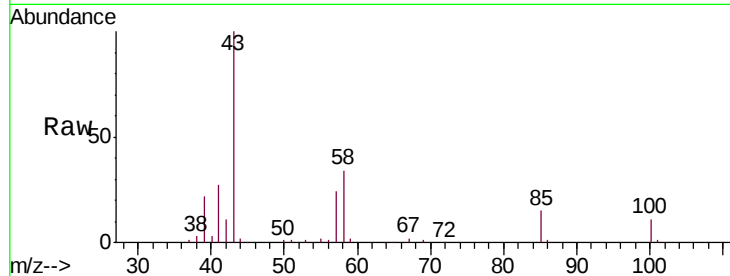
VSTDCCC050

Tot Ion: 43 Resp: 218441

Ion Ratio Lower Upper

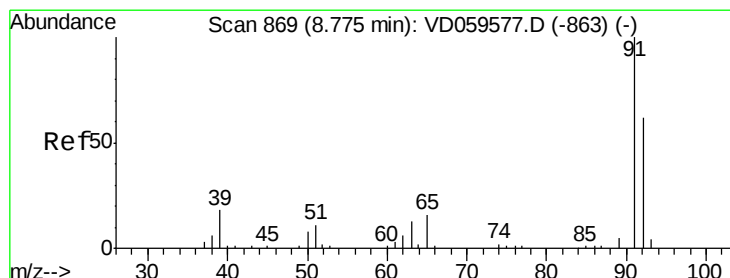
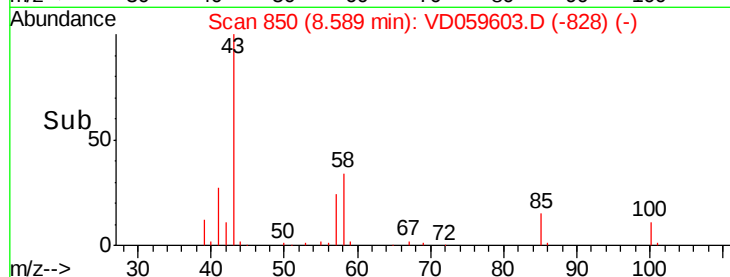
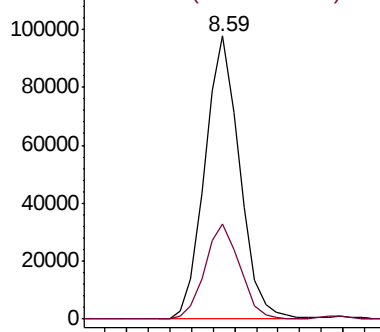
43 100

58 33.9 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: 50.18 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.02 min

Lab File: VD059603.D

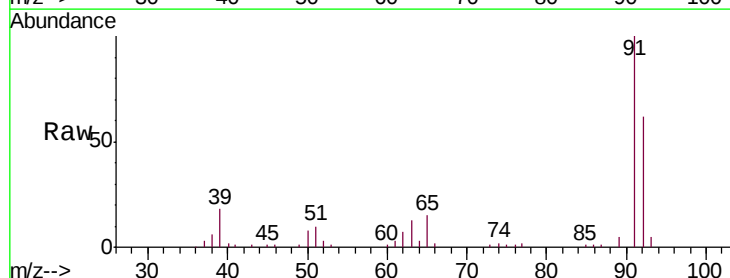
Acq: 26 Jul 2018 13:57

Tgt Ion: 92 Resp: 136903

Ion Ratio Lower Upper

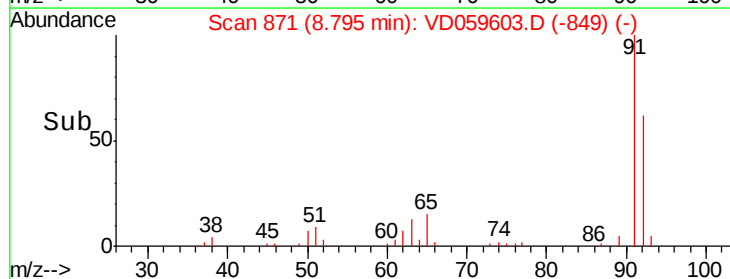
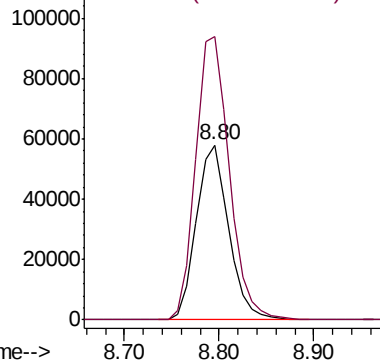
92 100

91 161.7 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

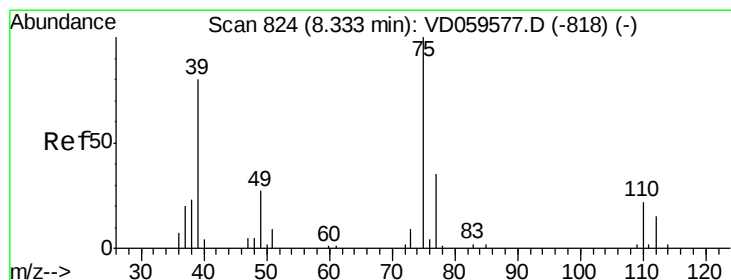
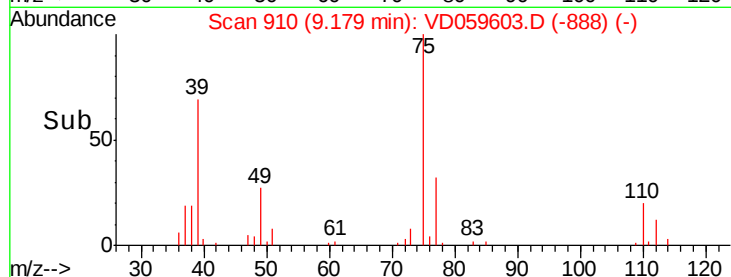
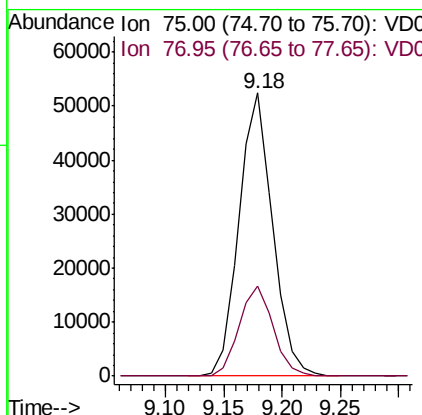
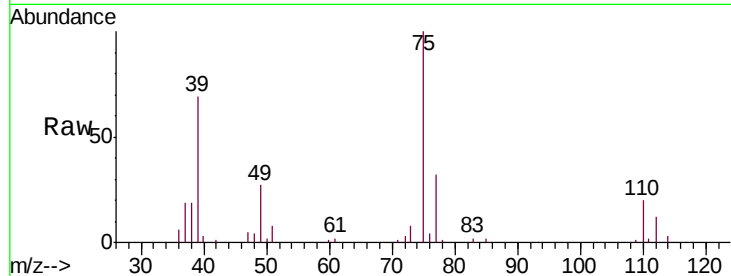




#53
t-1,3-Dichloropropene
Concen: 49.80 ug/l
RT: 9.18 min Scan# 910
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

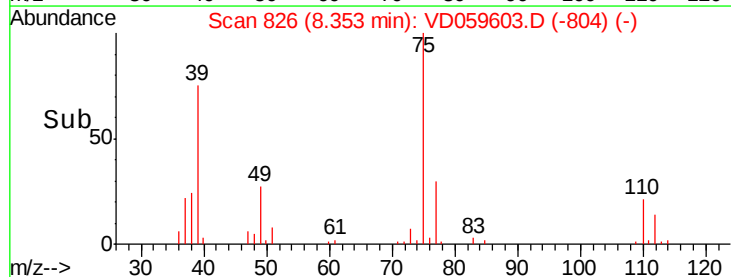
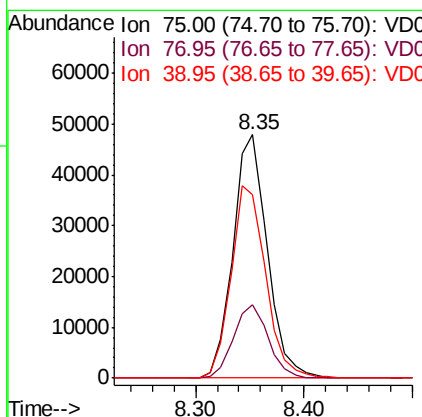
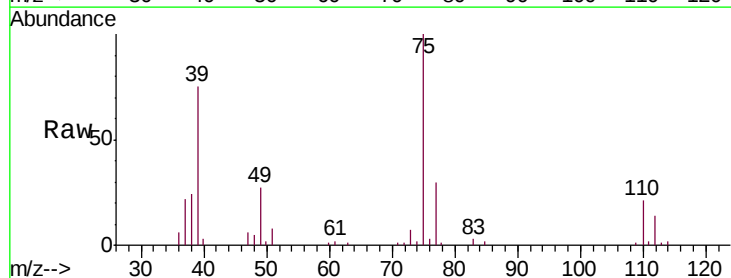
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

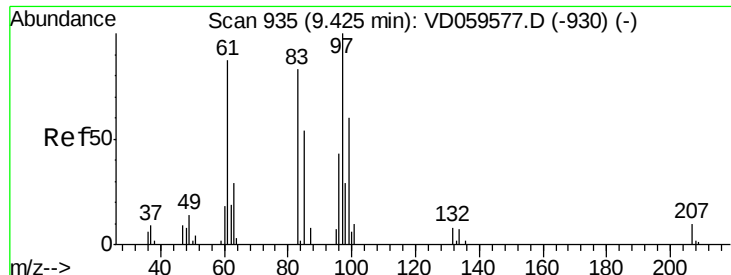
Tot Ion: 75 Resp: 104480
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 50.41 ug/l
RT: 8.35 min Scan# 826
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 75 Resp: 105020
Ion Ratio Lower Upper
75 100
77 30.0 27.7 41.5
39 75.4 63.8 95.8

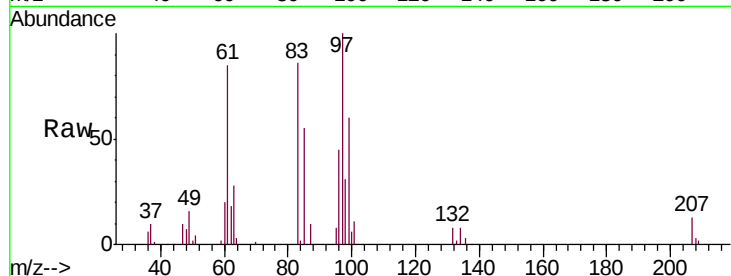




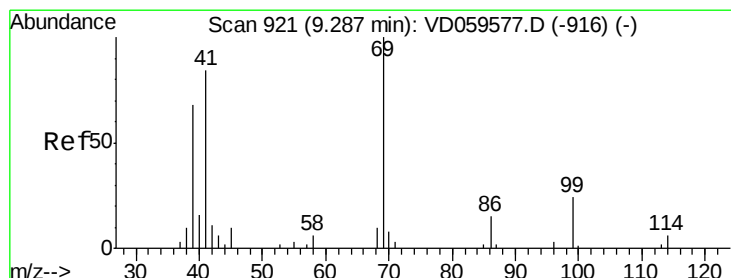
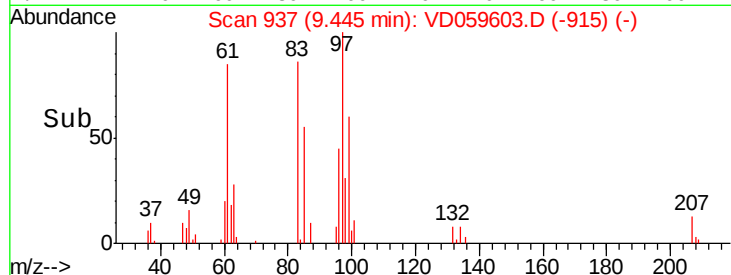
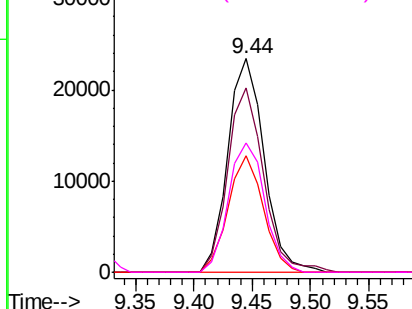
#55
 1,1,2-Trichloroethane
 Concen: 49.31 ug/l
 RT: 9.44 min Scan# 937
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	50534
Ion	Ratio	Lower	Upper
97	100		
83	86.0	66.3	99.5
85	54.6	43.0	64.6
99	60.4	47.7	71.5

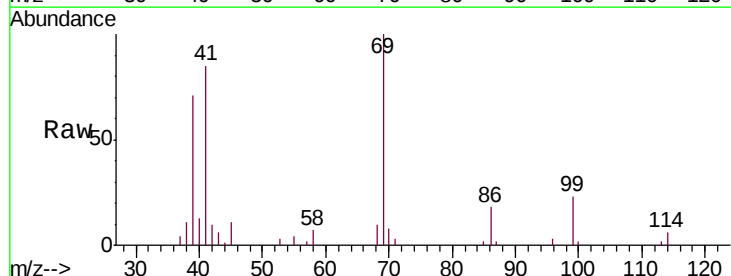


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

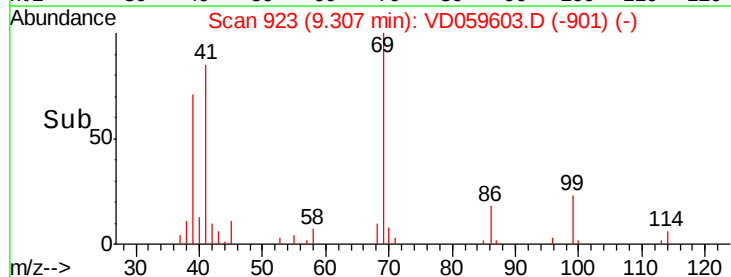
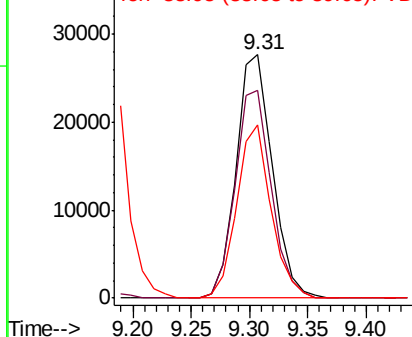


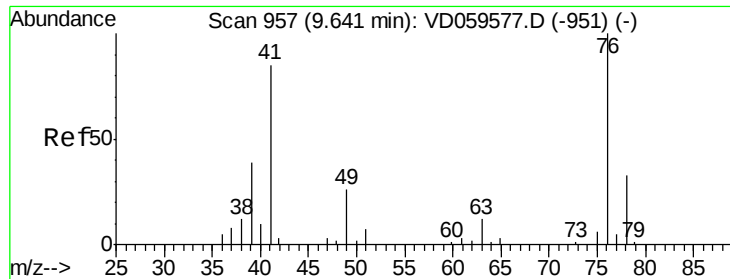
#56
 Ethyl methacrylate
 Concen: 51.12 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion:	69	Resp:	59446
Ion	Ratio	Lower	Upper
69	100		
41	85.2	66.8	100.2
39	70.9	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: 48.35 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

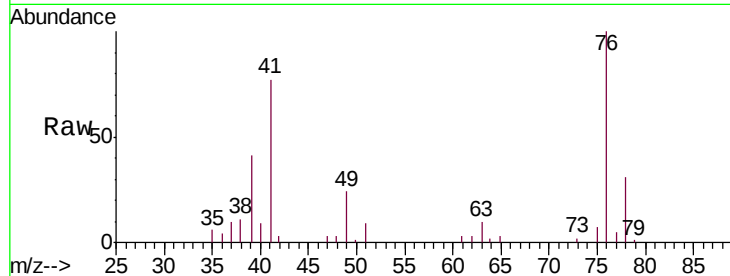
VSTDCCC050

Tot Ion: 76 Resp: 78731

Ion Ratio Lower Upper

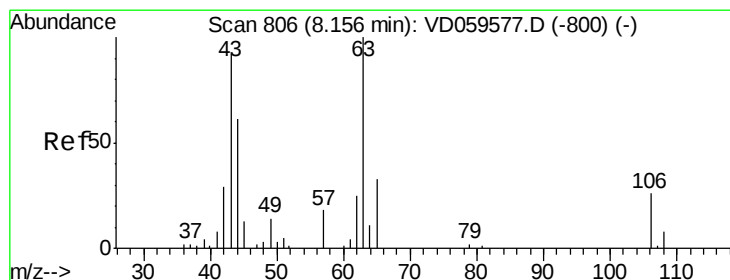
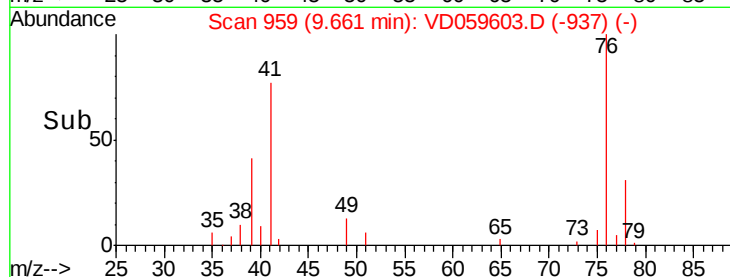
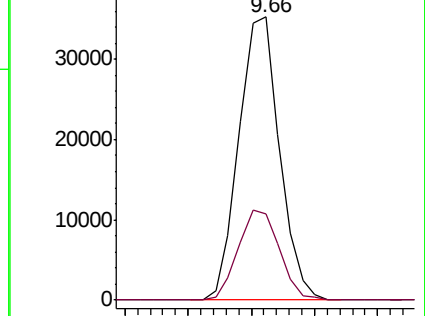
76 100

78 30.6 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: 234.72 ug/l

RT: 8.18 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059603.D

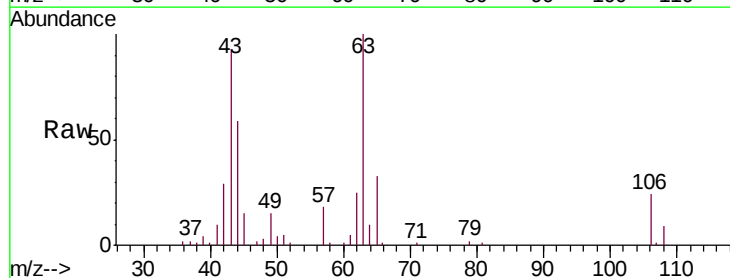
Acq: 26 Jul 2018 13:57

Tgt Ion: 63 Resp: 128248

Ion Ratio Lower Upper

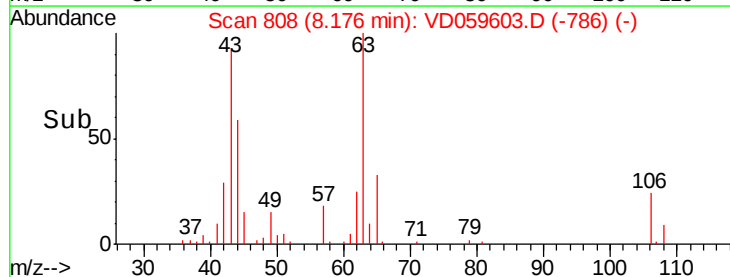
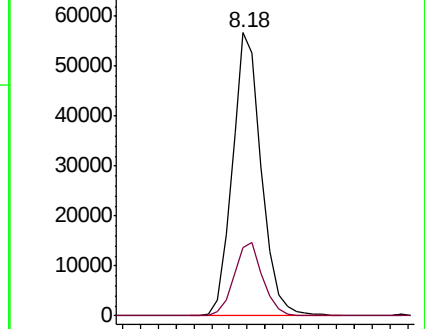
63 100

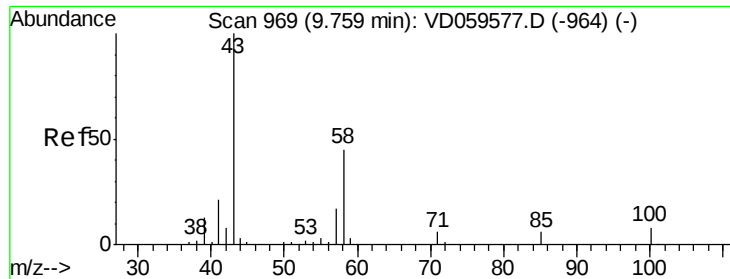
106 24.3 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

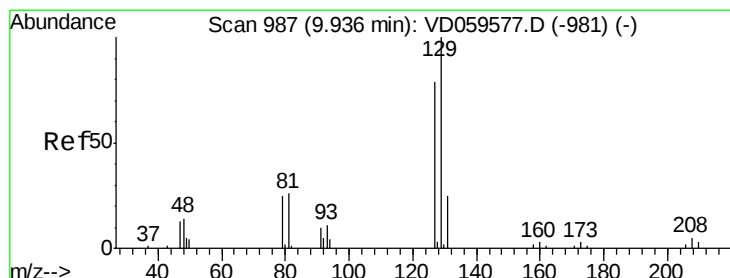
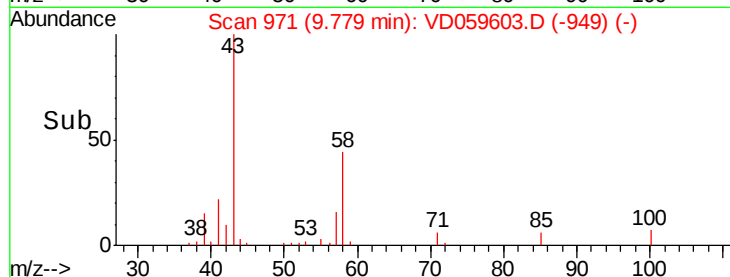
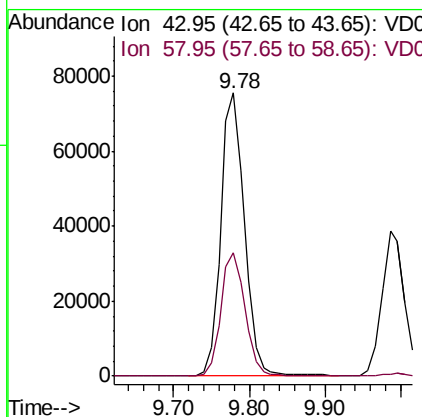
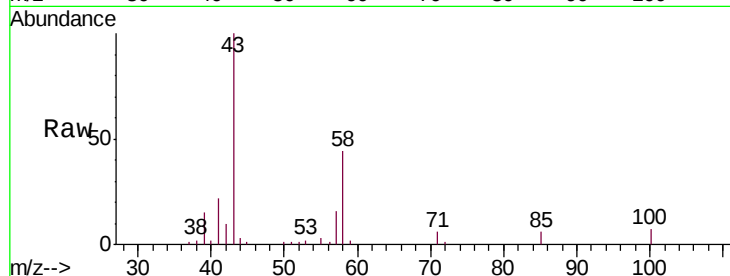




#59
2-Hexanone
Concen: 215.56 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

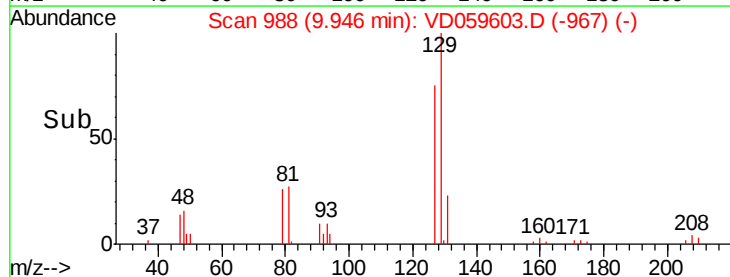
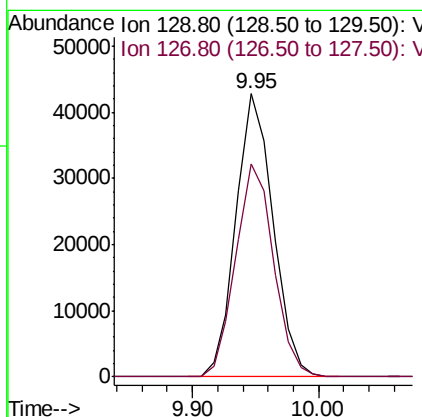
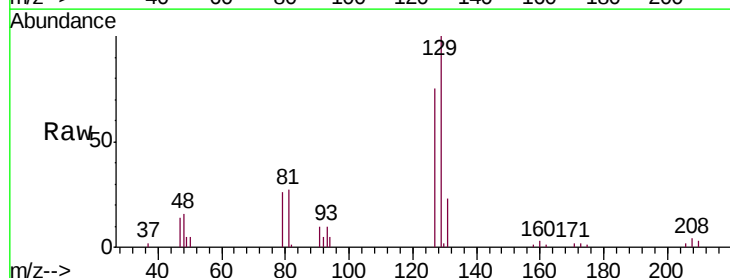
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

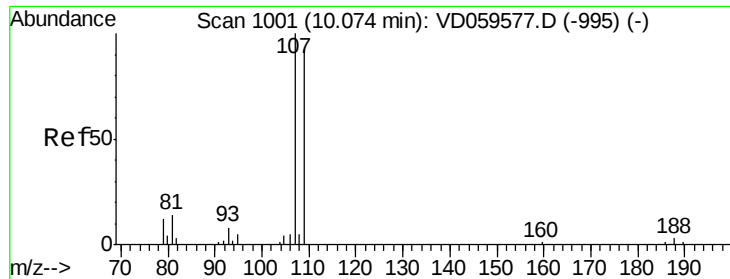
Tot Ion: 43 Resp: 163621
Ion Ratio Lower Upper
43 100
58 43.7 22.7 68.1



#60
Dibromochloromethane
Concen: 51.41 ug/l
RT: 9.95 min Scan# 988
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 129 Resp: 87464
Ion Ratio Lower Upper
129 100
127 75.3 39.3 117.9





#61

1,2-Dibromoethane

Concen: 49.04 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

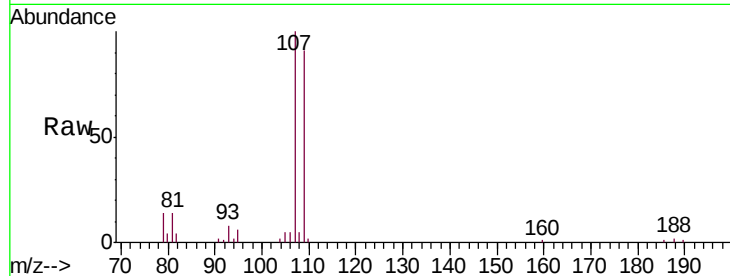
VSTDCCC050

Tot Ion:107 Resp: 59559

Ion Ratio Lower Upper

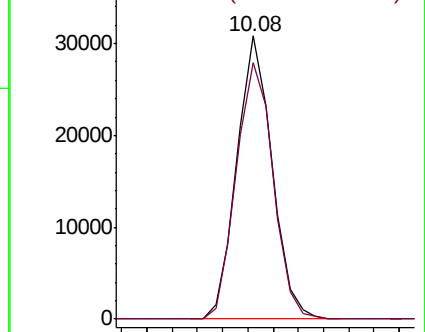
107 100

109 90.6 73.4 110.0

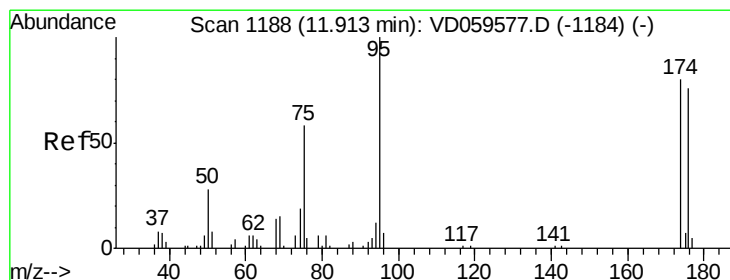
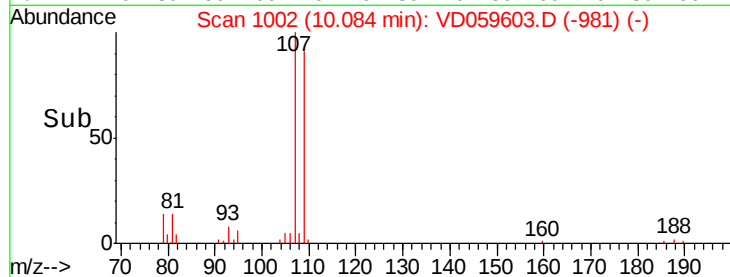


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



Time-->



#62

4-Bromofluorobenzene

Concen: 49.04 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

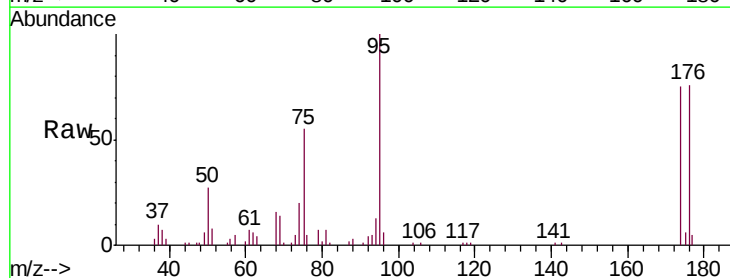
Tgt Ion: 95 Resp: 86769

Ion Ratio Lower Upper

95 100

174 75.1 0.0 160.6

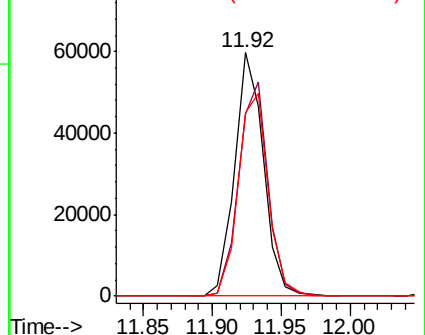
176 75.5 0.0 152.8



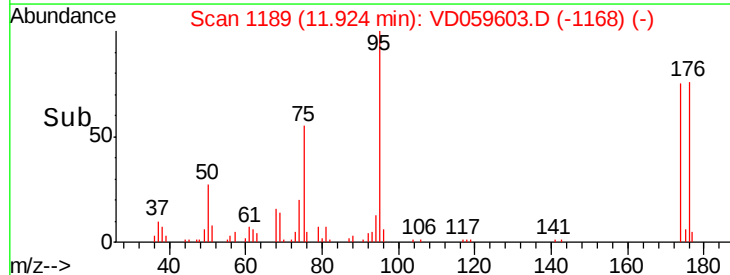
Abundance Ion 95.00 (94.70 to 95.70): V

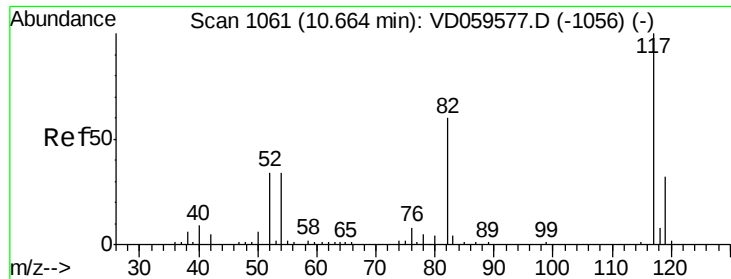
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

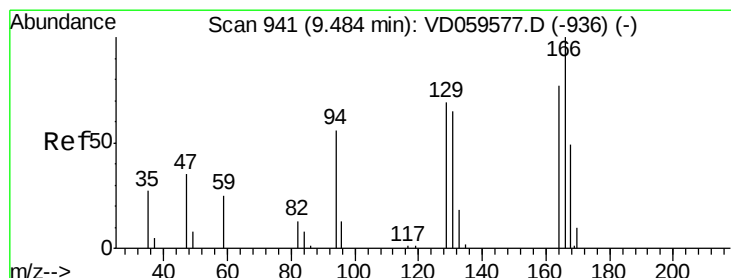
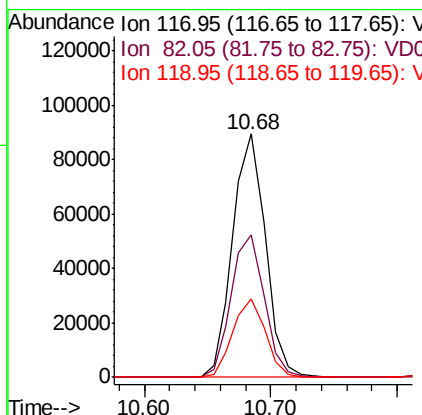
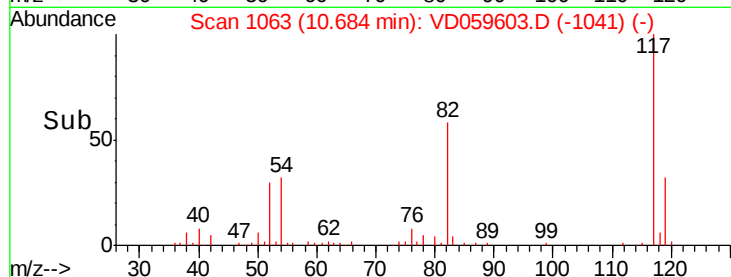
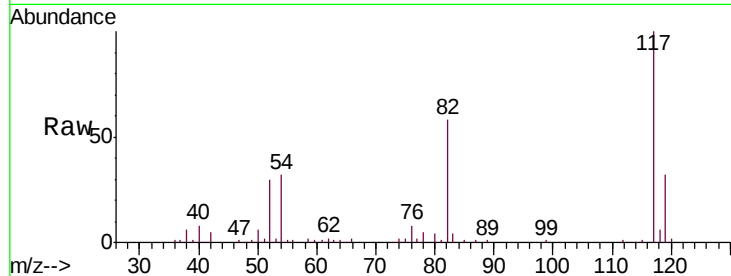




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

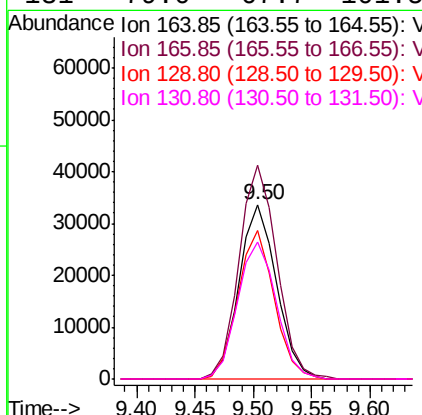
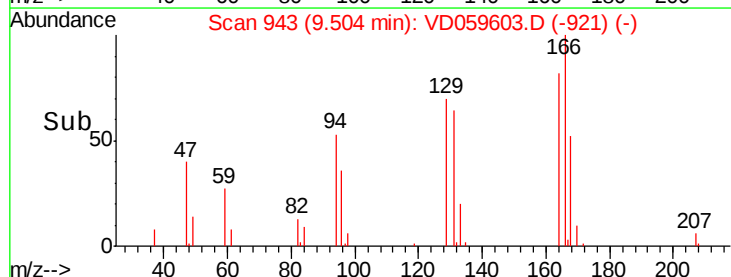
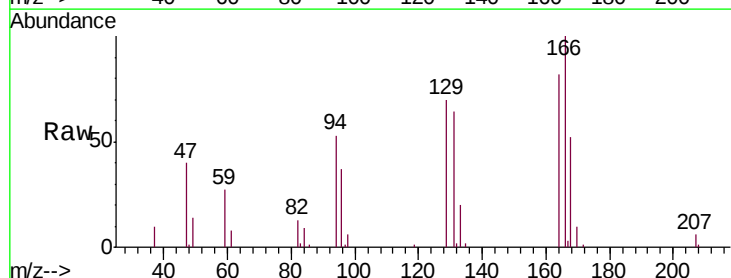
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

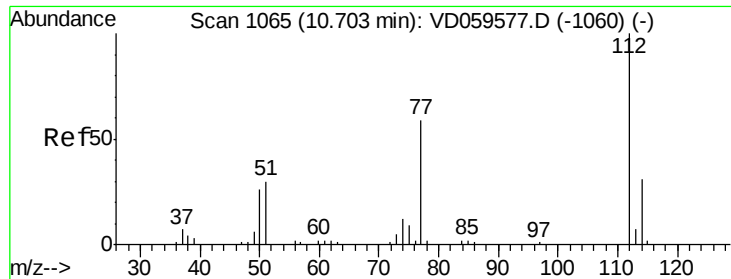
Tot Ion:117 Resp: 160856
Ion Ratio Lower Upper
117 100
82 58.3 48.2 72.2
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 51.23 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion:164 Resp: 74670
Ion Ratio Lower Upper
164 100
166 122.7 104.0 156.0
129 85.5 72.2 108.4
131 79.0 67.7 101.5

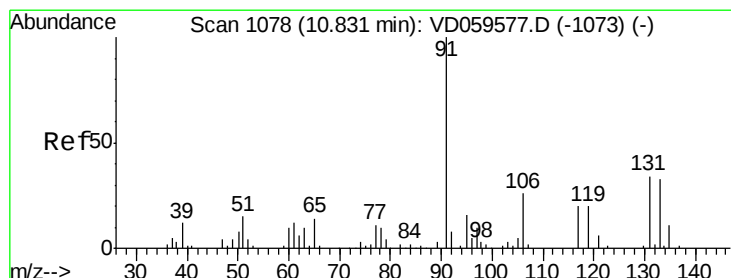
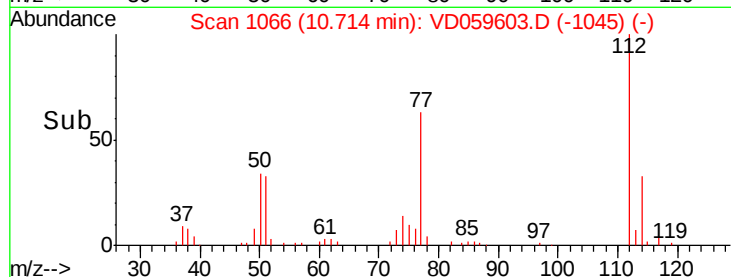
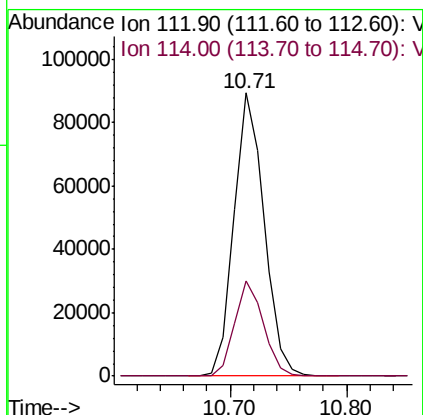
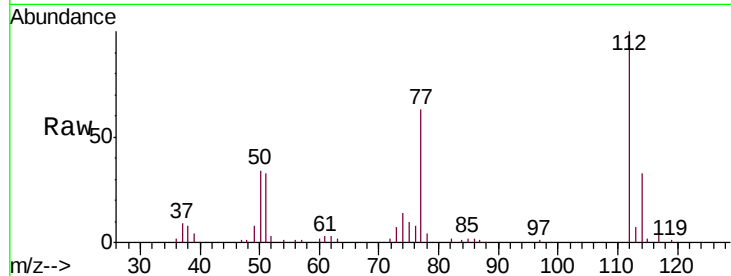




#65
Chlorobenzene
Concen: 48.55 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

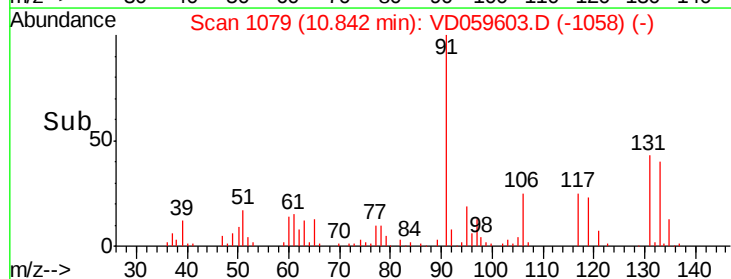
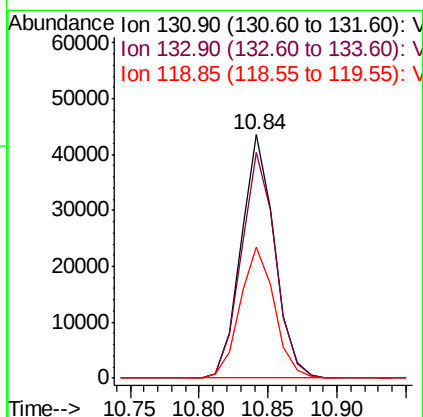
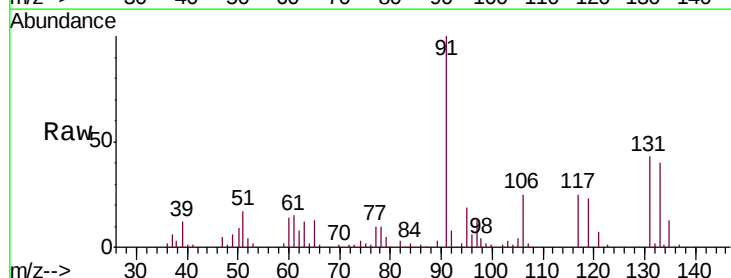
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

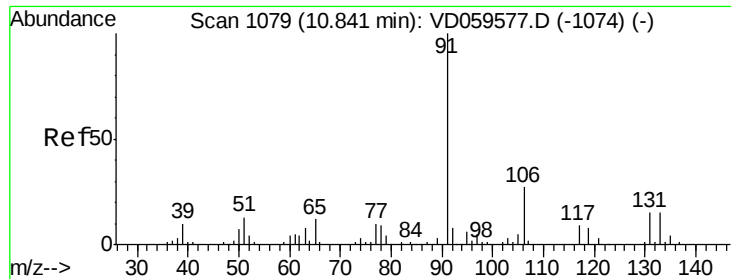
Tot Ion:112 Resp: 160103
Ion Ratio Lower Upper
112 100
114 33.4 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.31 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion:131 Resp: 73601
Ion Ratio Lower Upper
131 100
133 92.9 47.9 143.7
119 53.8 28.7 86.1

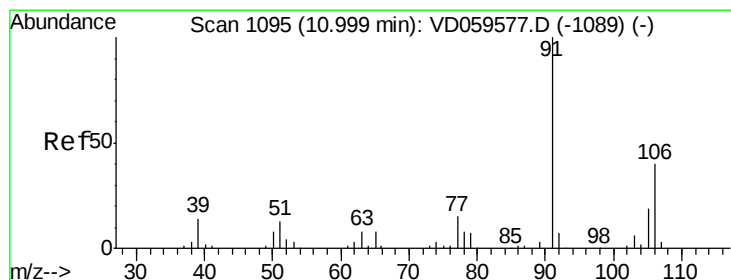
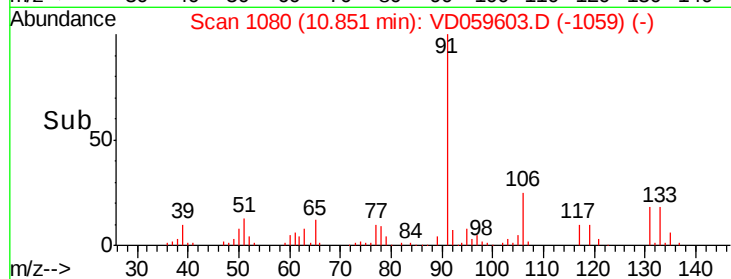
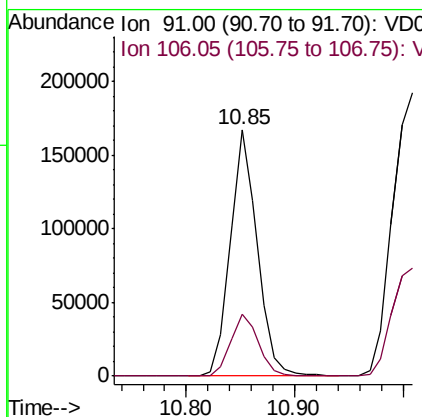
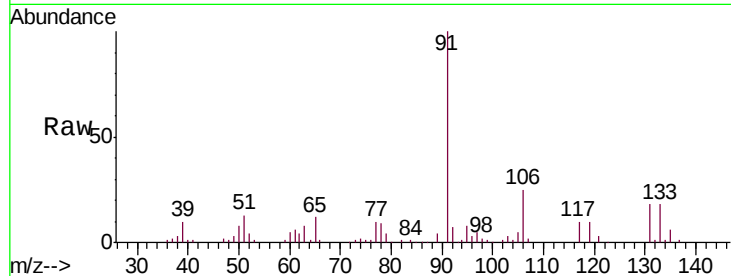




#67
Ethyl Benzene
Concen: 51.05 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

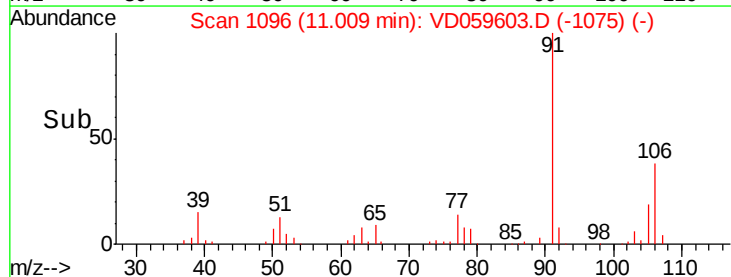
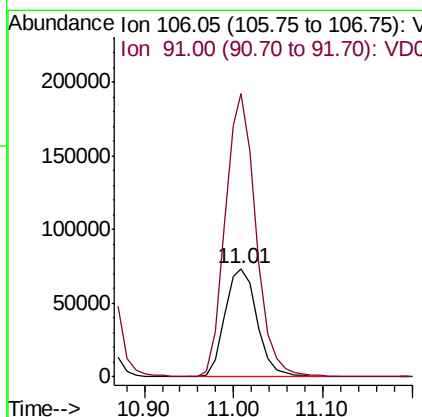
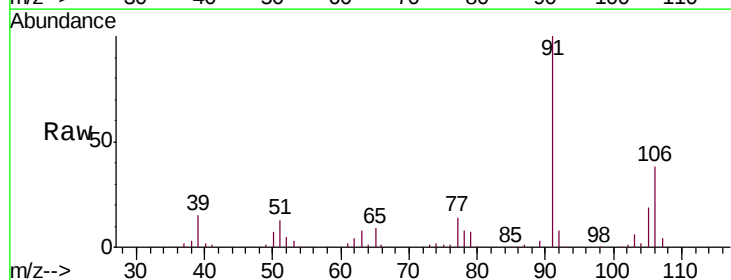
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 289400
Ion Ratio Lower Upper
91 100
106 25.0 21.6 32.4



#68
m/p-Xylenes
Concen: 98.12 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 106 Resp: 185755
Ion Ratio Lower Upper
106 100
91 260.6 198.2 297.4

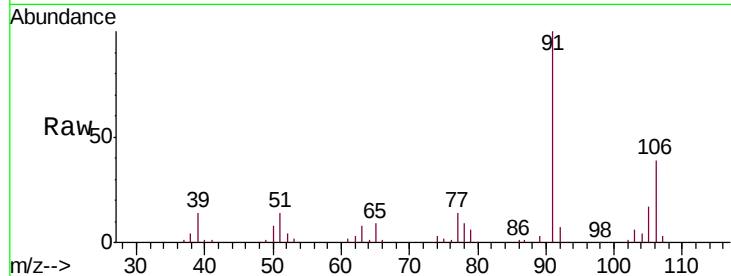




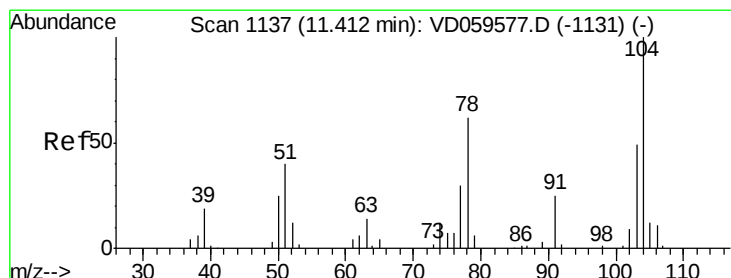
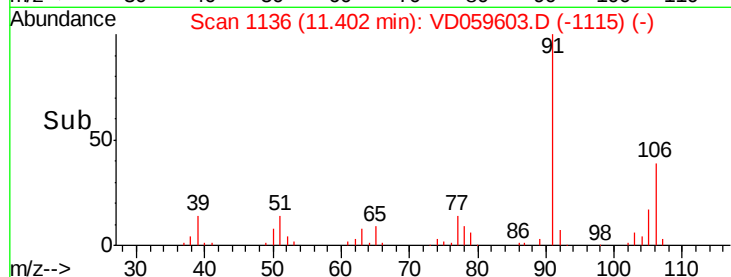
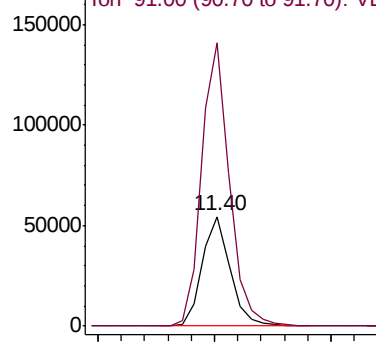
#69
o-Xylene
Concen: 49.25 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 90469
Ion Ratio Lower Upper
106 100
91 257.8 122.7 368.1

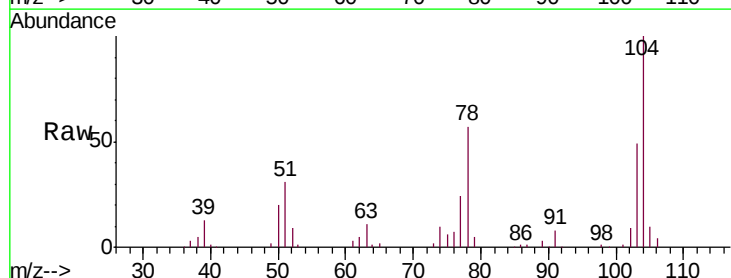


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

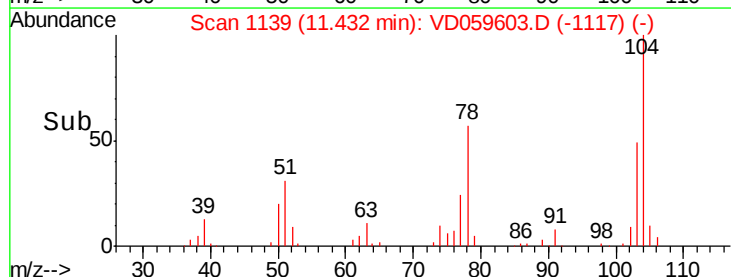
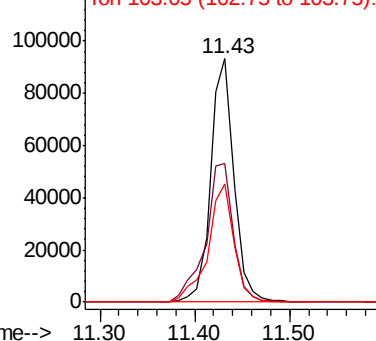


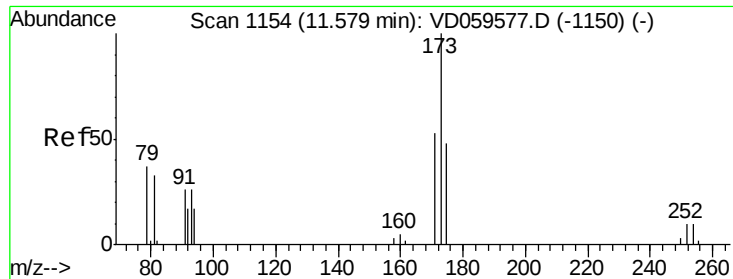
#70
Styrene
Concen: 52.11 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.02 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion:104 Resp: 158703
Ion Ratio Lower Upper
104 100
78 56.9 49.4 74.0
103 48.6 39.0 58.6



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





#71

Bromoform

Concen: 49.92 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.02 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

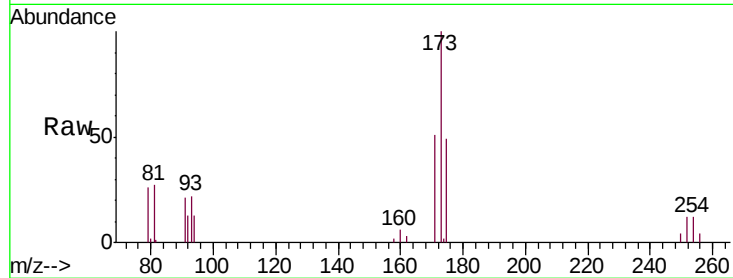
Tot Ion:173 Resp: 58305

Ion Ratio Lower Upper

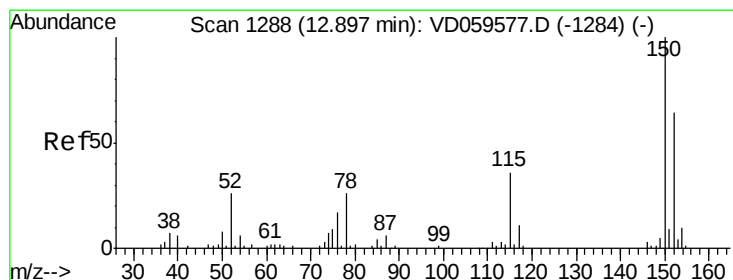
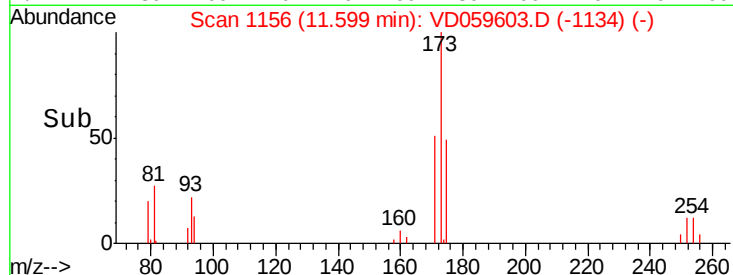
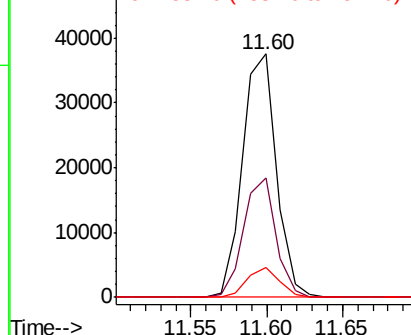
173 100

175 49.2 23.8 71.4

254 12.1 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: 12.91 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

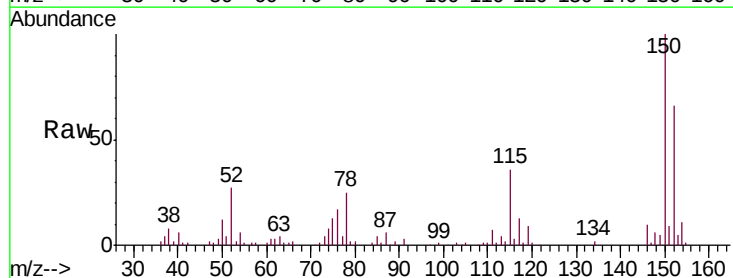
Tgt Ion:152 Resp: 81122

Ion Ratio Lower Upper

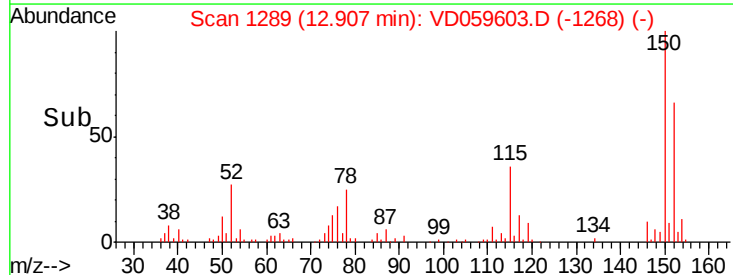
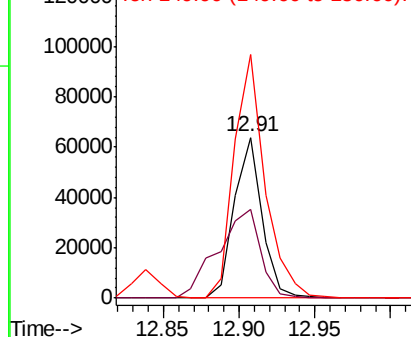
152 100

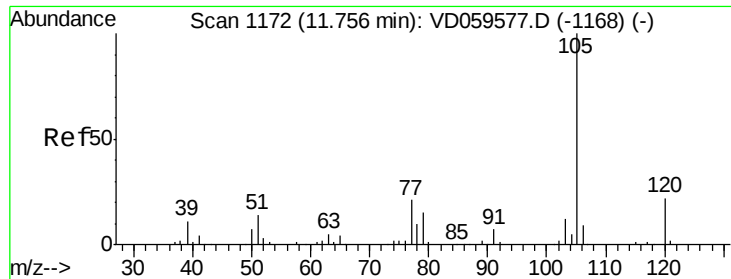
115 55.0 29.5 88.6

150 151.4 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

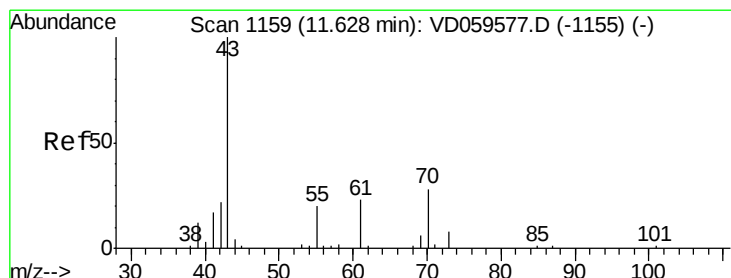
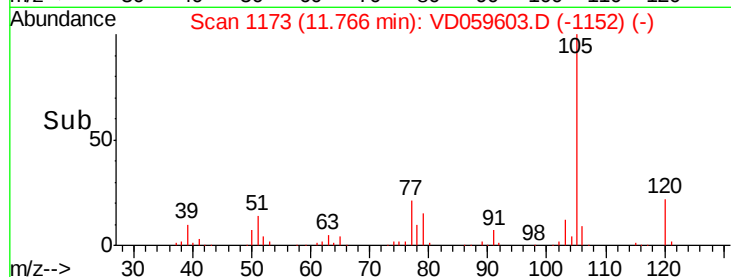
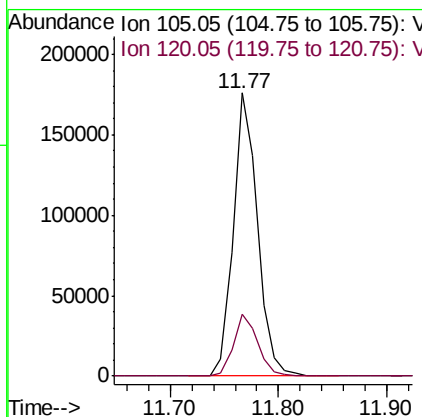
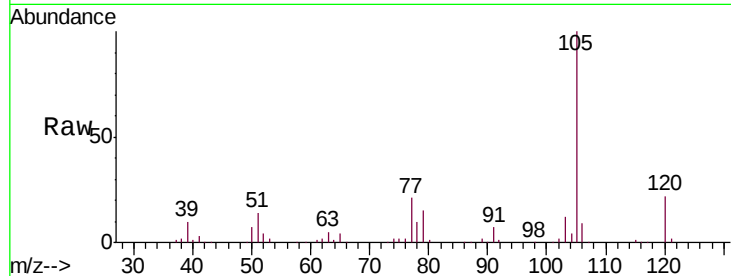




#73
Isopropylbenzene
Concen: 47.82 ug/l
RT: 11.77 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

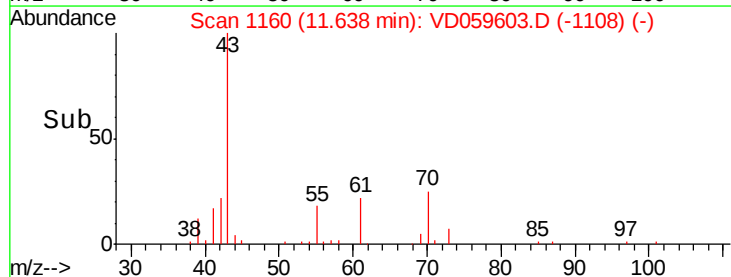
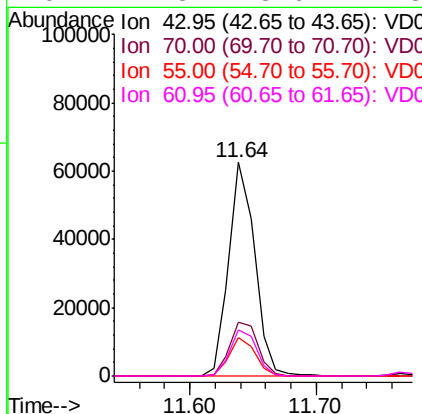
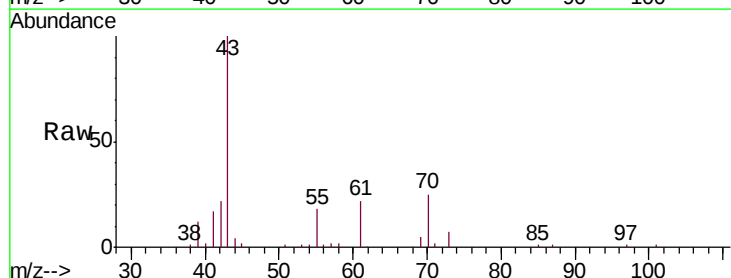
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

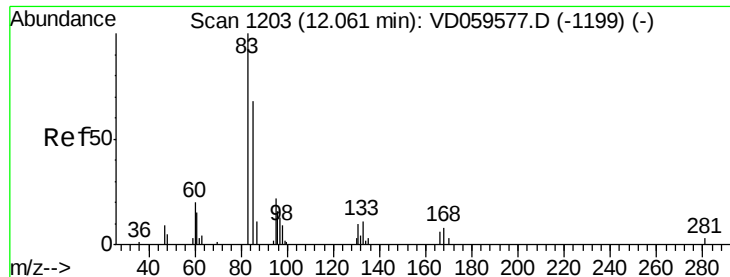
Tot Ion:105 Resp: 274071
Ion Ratio Lower Upper
105 100
120 22.0 10.9 32.7



#74
N-ethyl acetate
Concen: 45.53 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 43 Resp: 89391
Ion Ratio Lower Upper
43 100
70 25.1 22.0 33.0
55 18.1 16.2 24.2
61 21.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.04 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

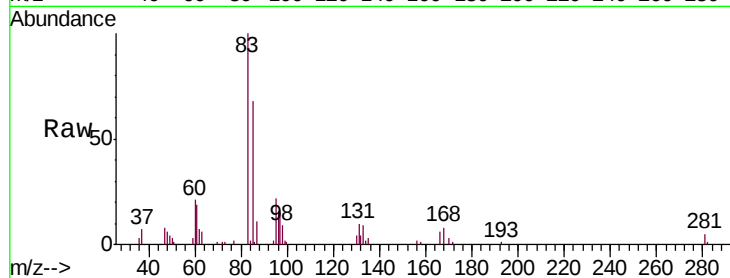
Tot Ion: 83 Resp: 56213

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

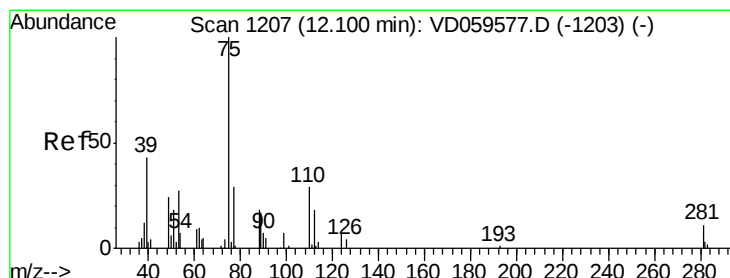
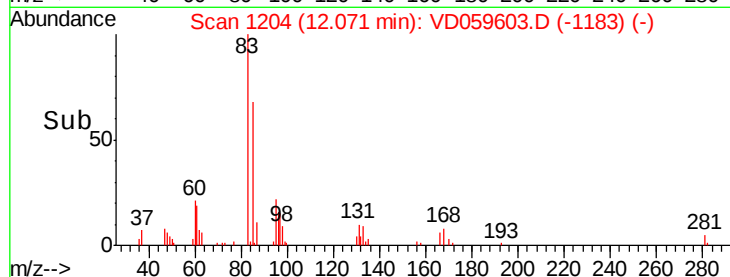
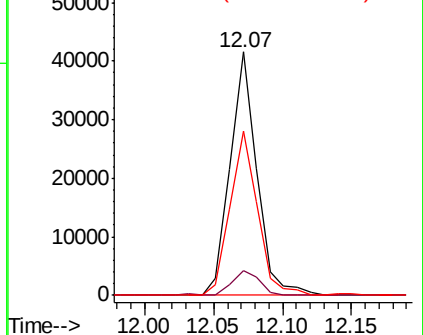
85 67.5 34.1 102.3



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: 48.22 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059603.D

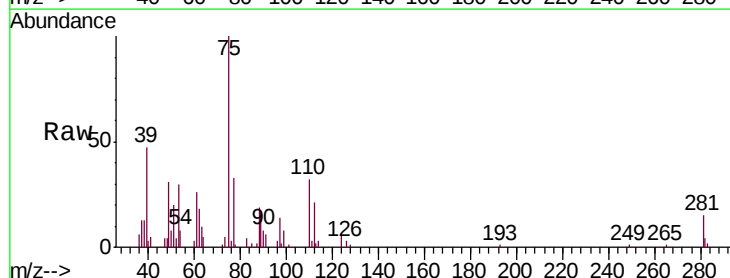
Acq: 26 Jul 2018 13:57

Tgt Ion: 75 Resp: 64683

Ion Ratio Lower Upper

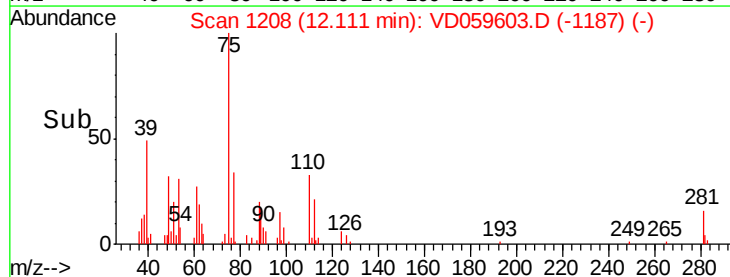
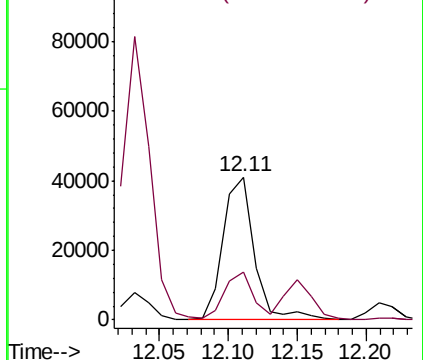
75 100

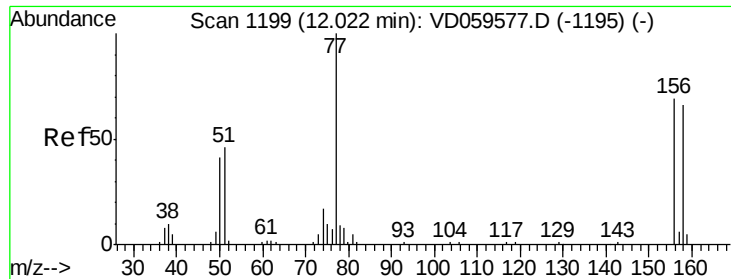
77 33.3 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

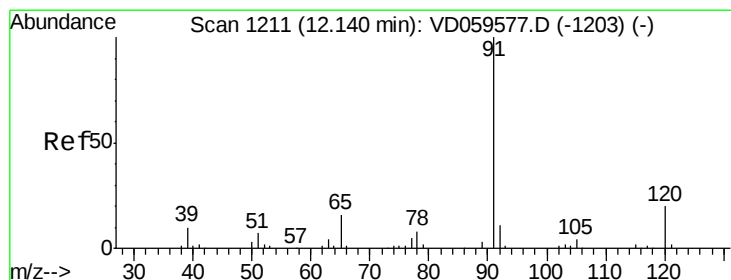
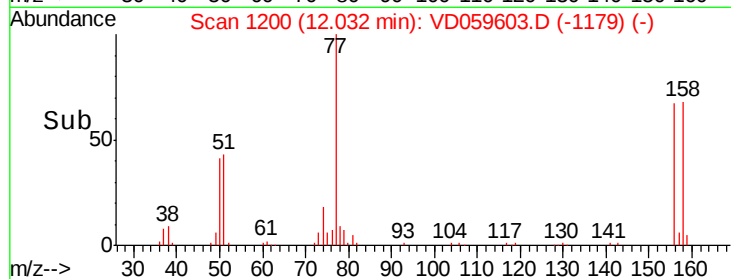
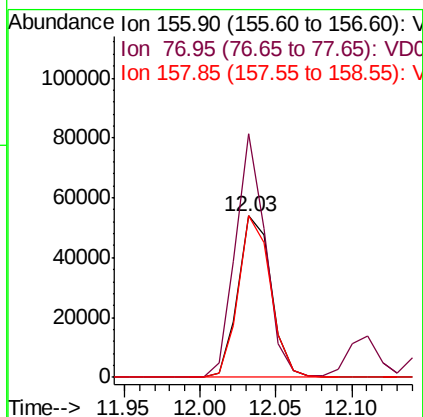
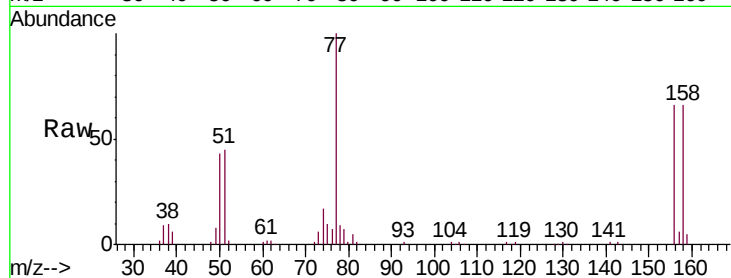




#77
Bromobenzene
Concen: 48.83 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

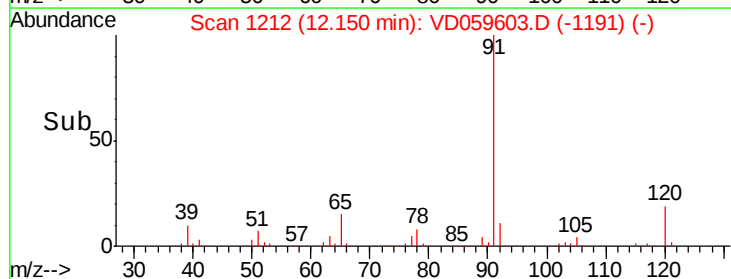
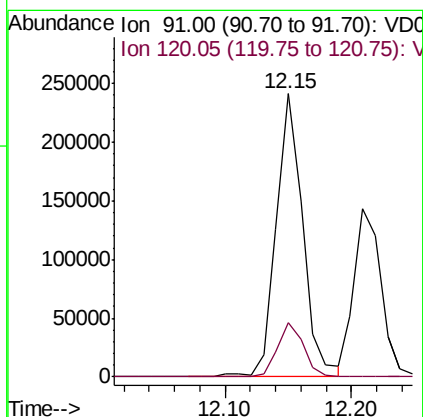
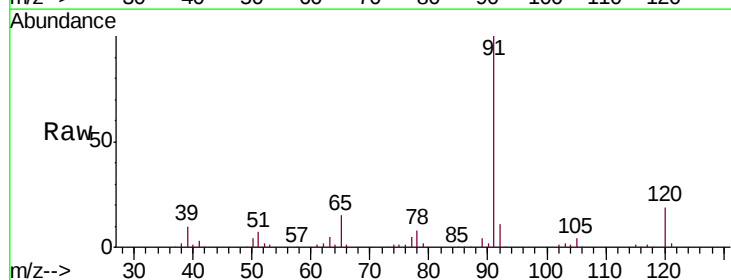
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

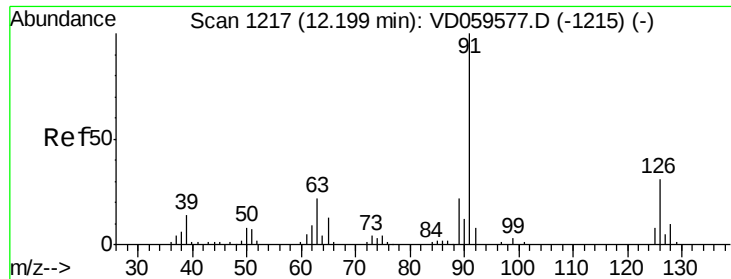
Tot Ion:156 Resp: 81925
Ion Ratio Lower Upper
156 100
77 150.9 72.4 217.2
158 100.3 48.0 144.2



#78
n-propylbenzene
Concen: 50.82 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 91 Resp: 353837
Ion Ratio Lower Upper
91 100
120 19.1 9.9 29.7

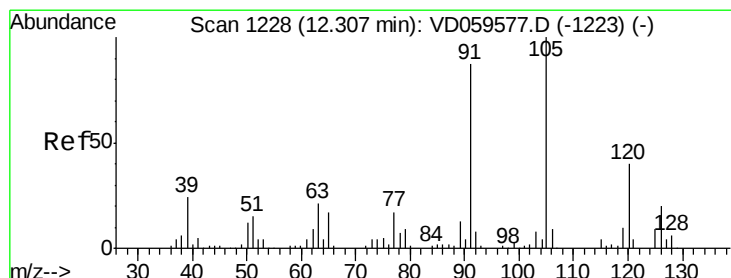
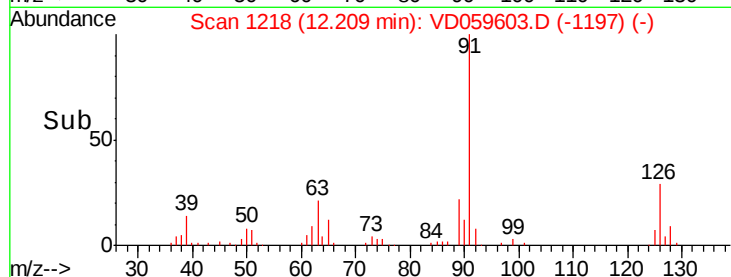
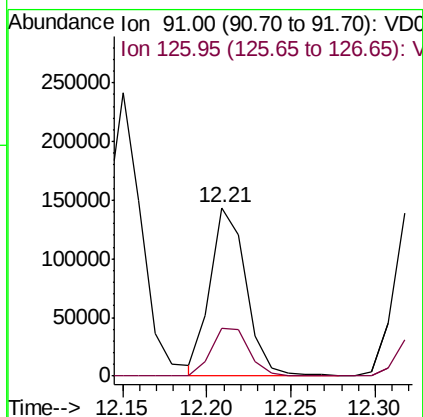
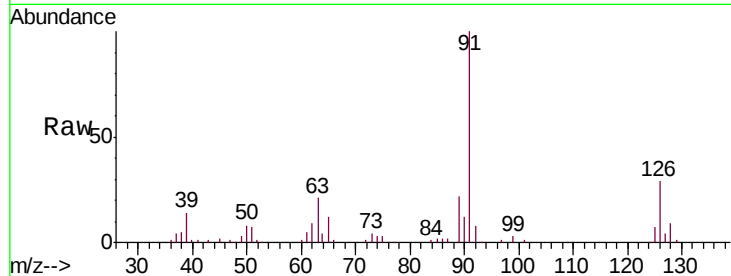




#79
 2-Chlorotoluene
 Concen: 50.43 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

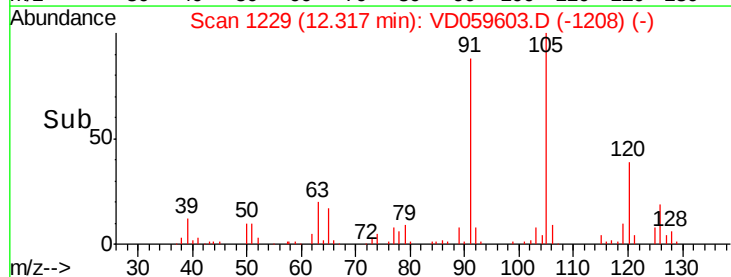
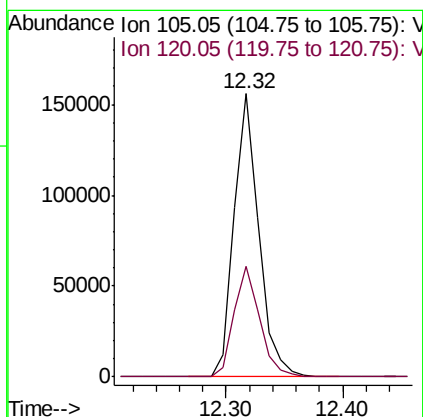
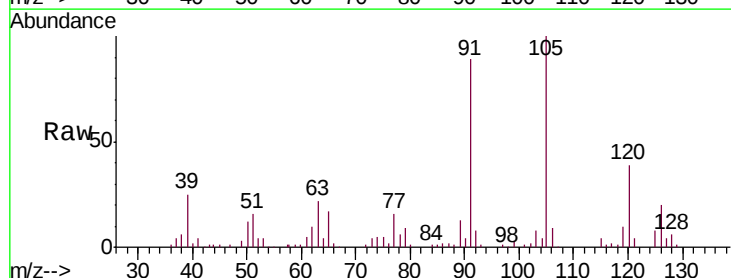
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

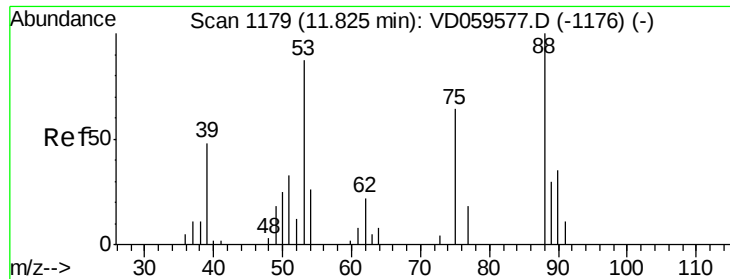
Tot Ion: 91 Resp: 209341
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.5 43.6



#80
 1,3,5-Trimethylbenzene
 Concen: 50.55 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion: 105 Resp: 228740
 Ion Ratio Lower Upper
 105 100
 120 39.2 19.9 59.6





#81

trans-1,4-Dichloro-2-butene

Concen: 44.98 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

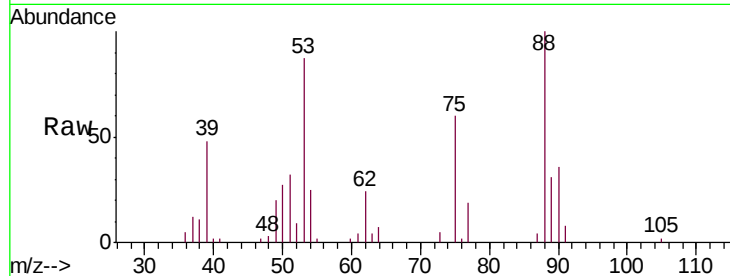
Tot Ion: 75 Resp: 15428

Ion Ratio Lower Upper

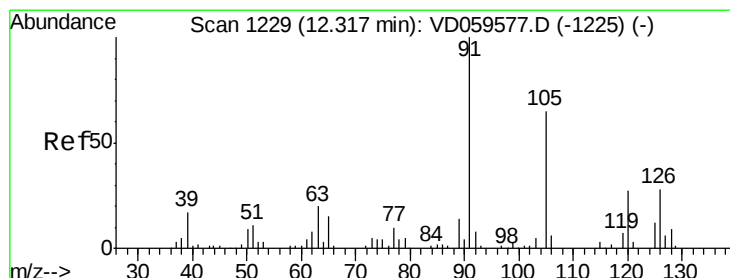
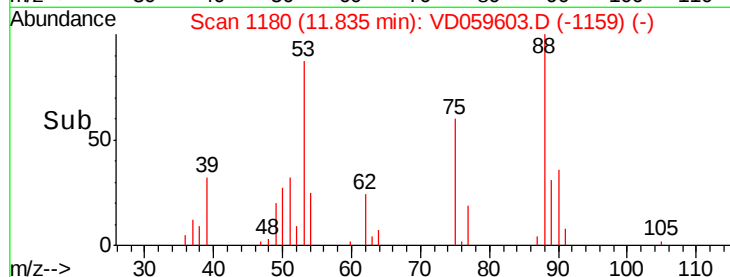
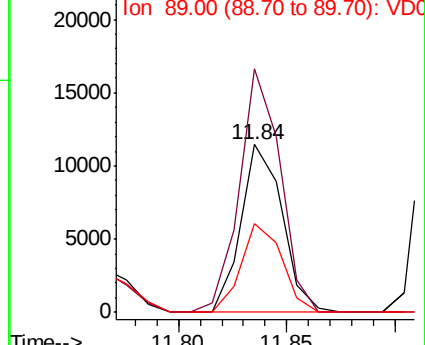
75 100

53 145.0 107.7 161.5

89 52.6 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: 51.08 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059603.D

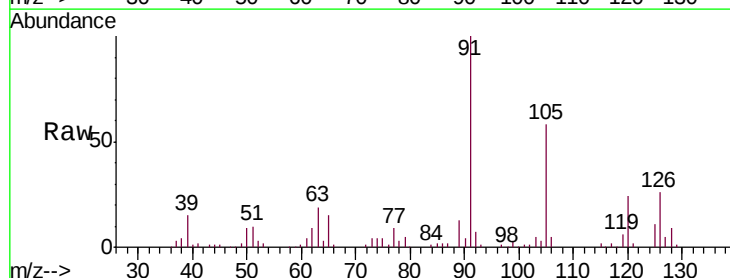
Acq: 26 Jul 2018 13:57

Tgt Ion: 91 Resp: 239813

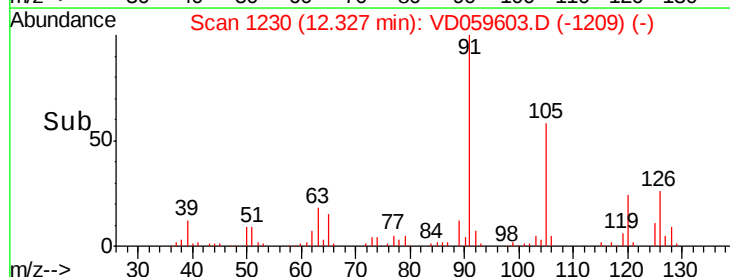
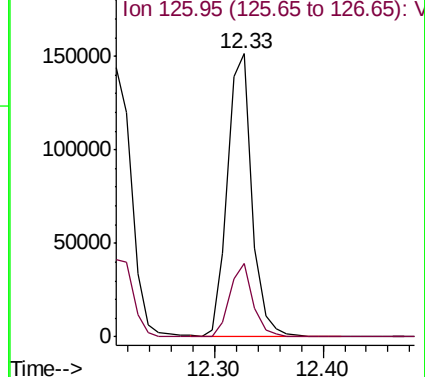
Ion Ratio Lower Upper

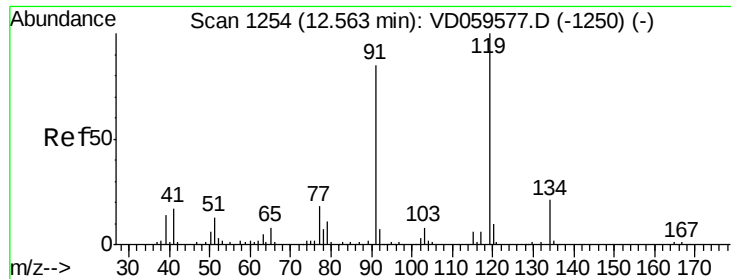
91 100

126 26.1 14.1 42.4



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

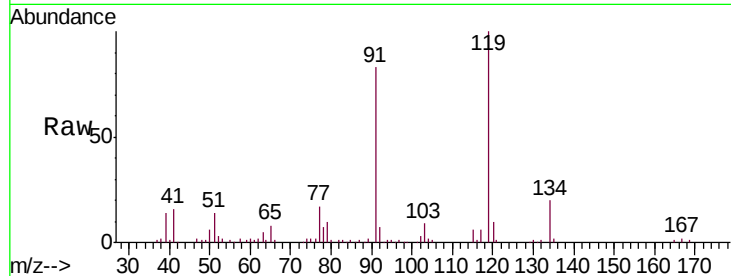




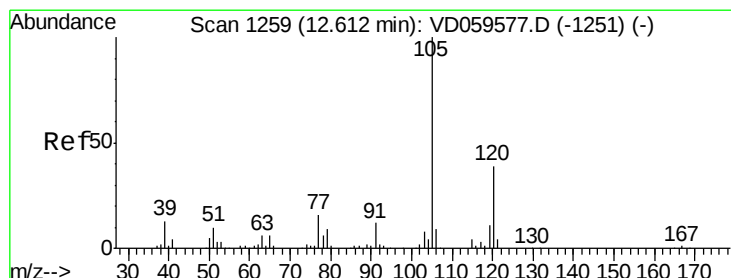
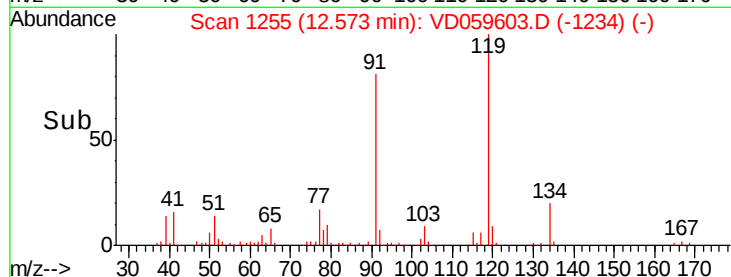
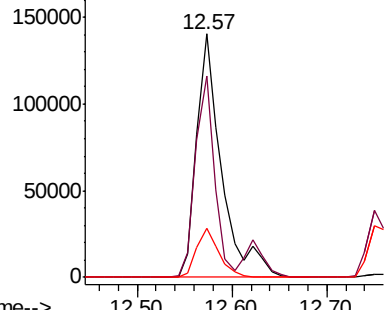
#83
 tert-Butylbenzene
 Concen: 50.20 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 255729
 Ion Ratio Lower Upper
 119 100
 91 82.5 42.5 127.5
 134 20.3 10.5 31.6

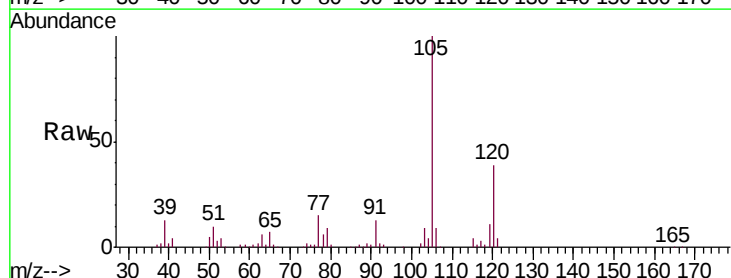


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

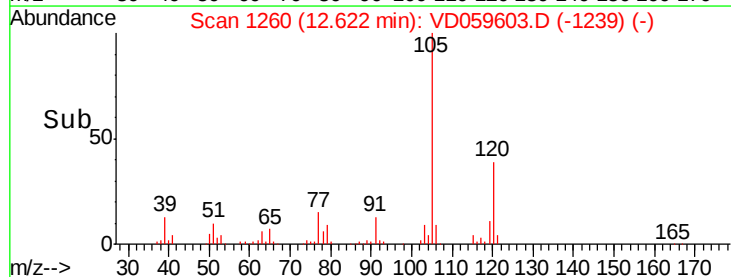
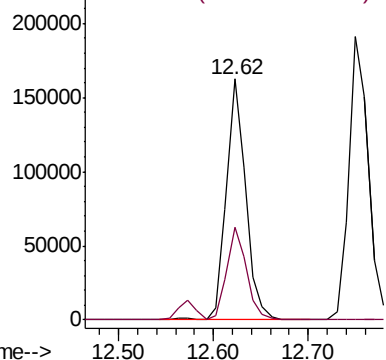


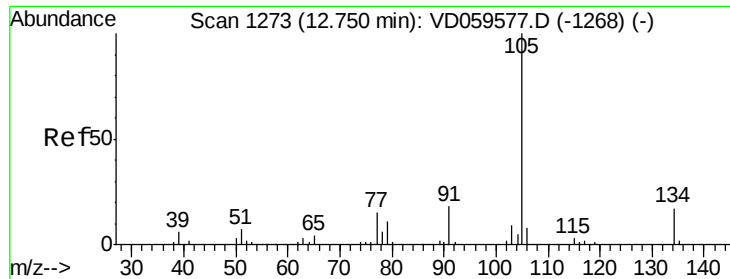
#84
 1,2,4-Trimethylbenzene
 Concen: 48.17 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion:105 Resp: 231709
 Ion Ratio Lower Upper
 105 100
 120 38.7 19.3 57.9



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





#85

sec-Butylbenzene

Concen: 47.56 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

Instrument :

MSVOA_D

ClientSampleId :

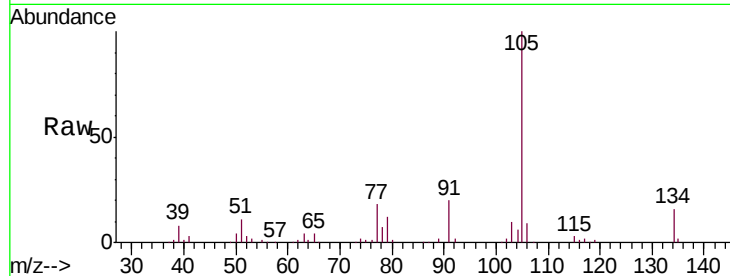
VSTDCCC050

Tot Ion:105 Resp: 276817

Ion Ratio Lower Upper

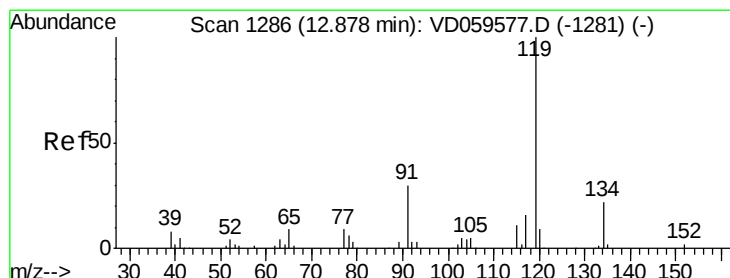
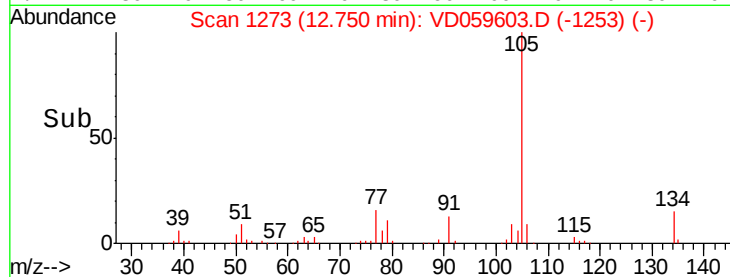
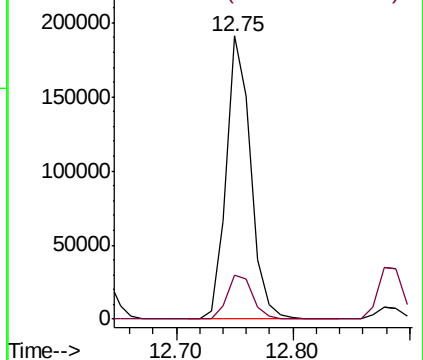
105 100

134 15.7 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.66 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059603.D

Acq: 26 Jul 2018 13:57

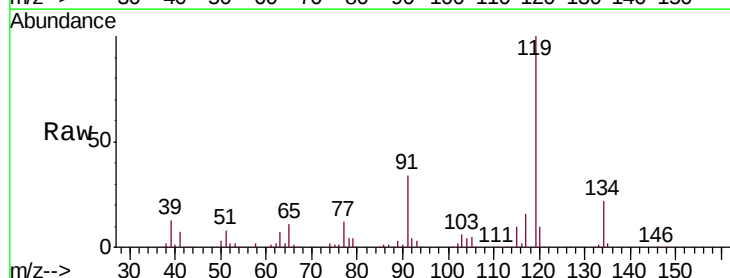
Tgt Ion:119 Resp: 238698

Ion Ratio Lower Upper

119 100

134 22.0 11.2 33.6

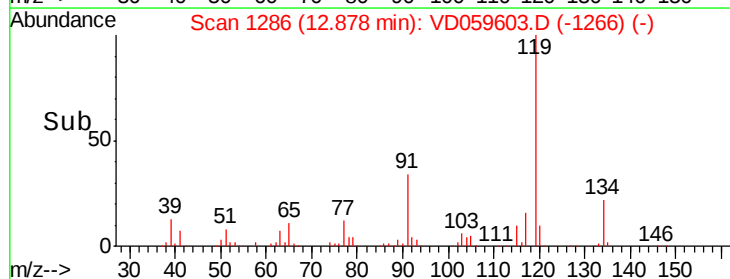
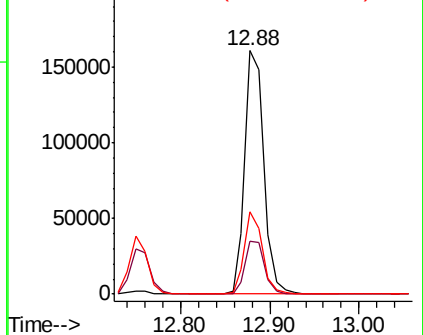
91 33.8 15.0 45.1

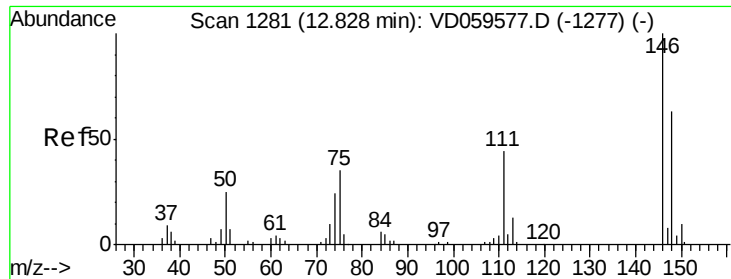


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

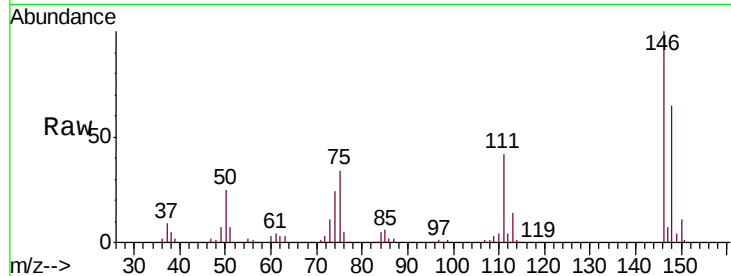




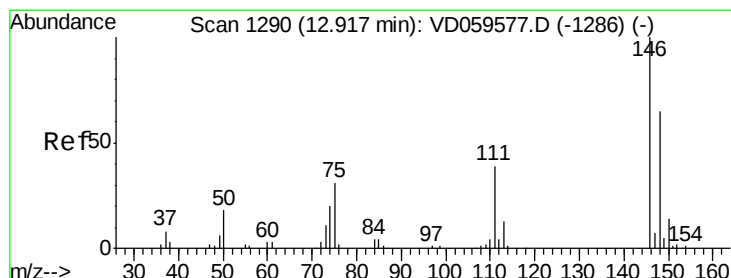
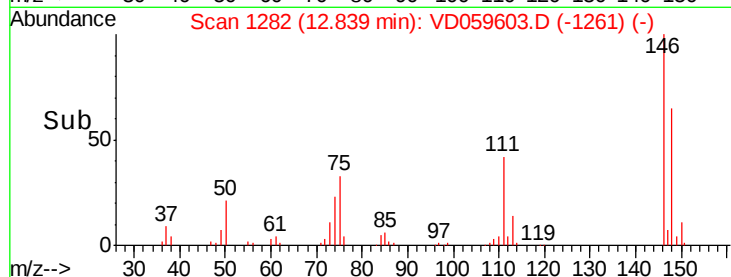
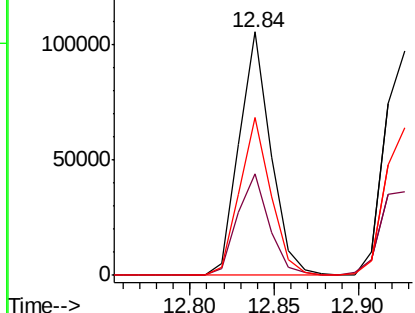
#87
 1,3-Dichlorobenzene
 Concen: 48.61 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 137919
 Ion Ratio Lower Upper
 146 100
 111 41.7 22.2 66.6
 148 64.6 31.8 95.3

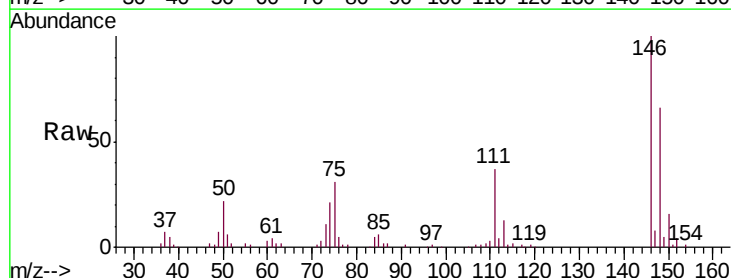


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

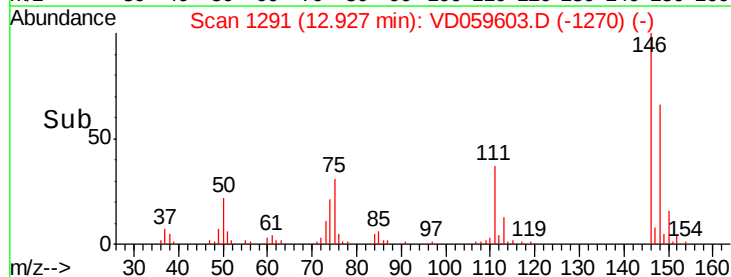
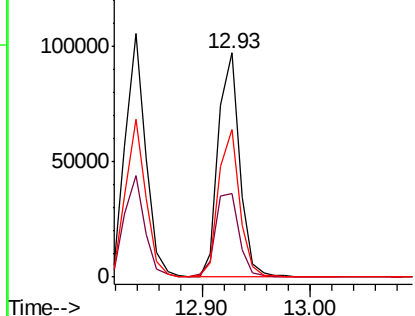


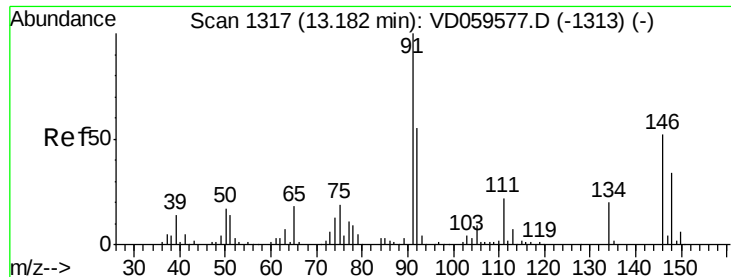
#88
 1,4-Dichlorobenzene
 Concen: 48.91 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion:146 Resp: 133712
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.3 57.9
 148 65.7 32.4 97.2



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

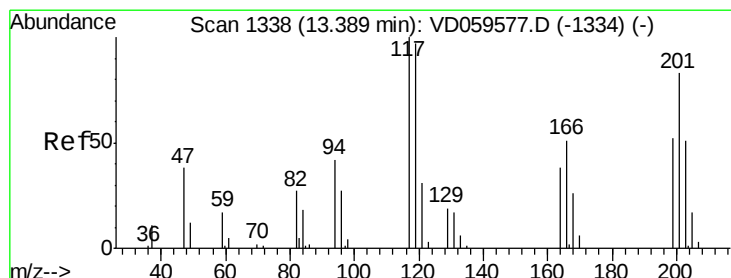
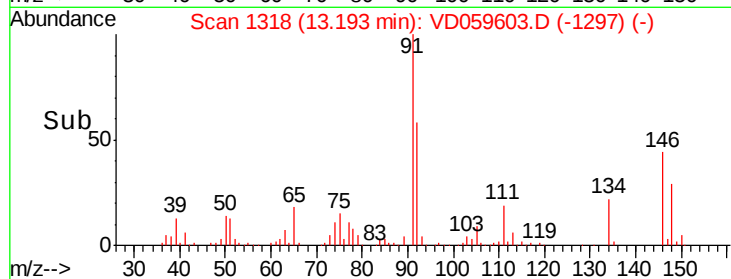
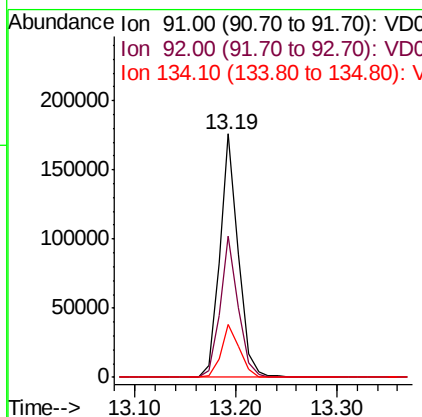
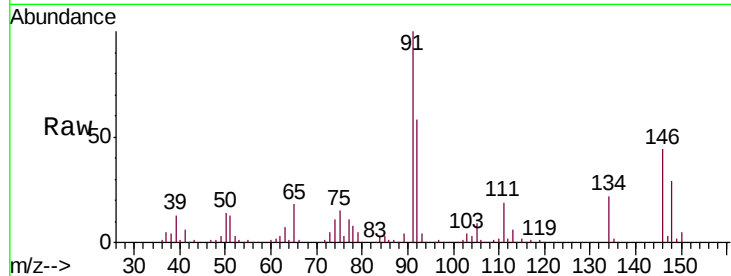




#89
n-Butylbenzene
Concen: 47.60 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

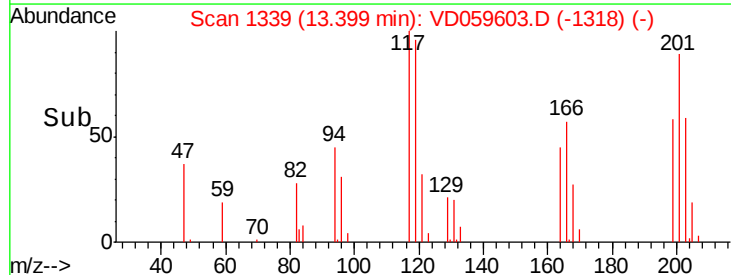
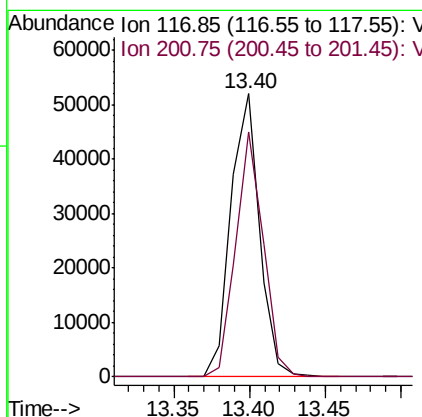
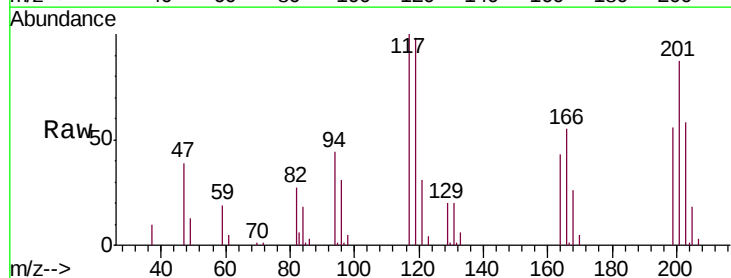
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

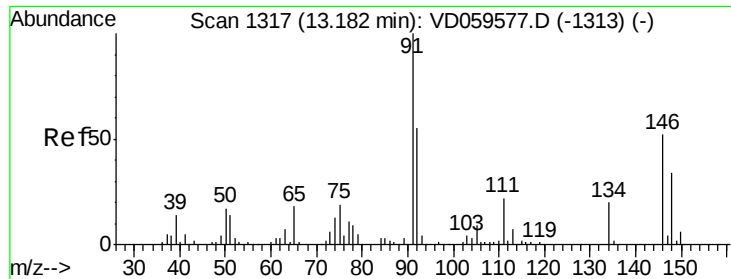
Tot Ion: 91 Resp: 225469
Ion Ratio Lower Upper
91 100
92 57.9 27.6 82.7
134 21.7 10.1 30.3



#90
Hexachloroethane
Concen: 52.05 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion: 117 Resp: 68236
Ion Ratio Lower Upper
117 100
201 86.8 41.5 124.5

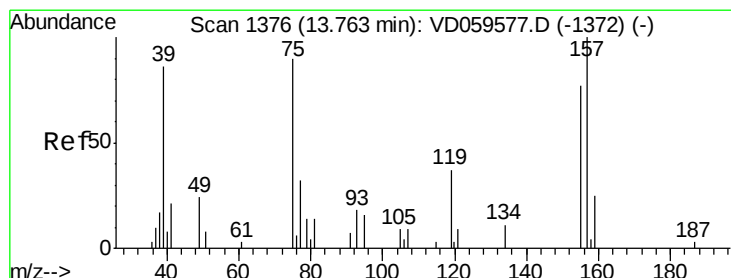
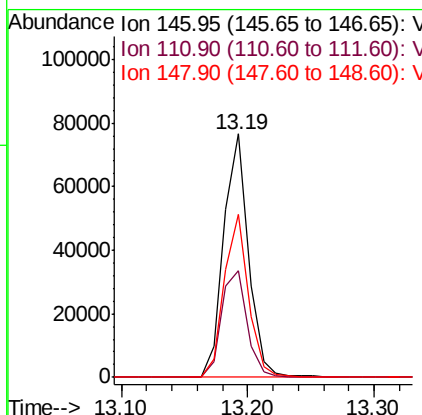
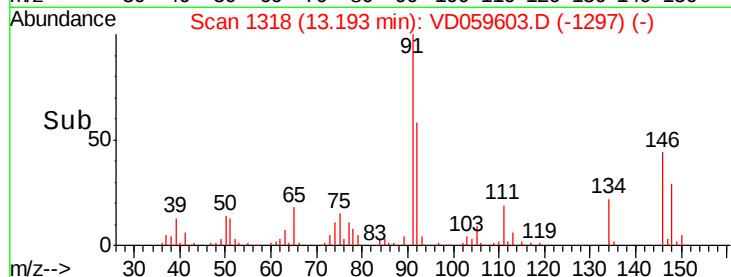
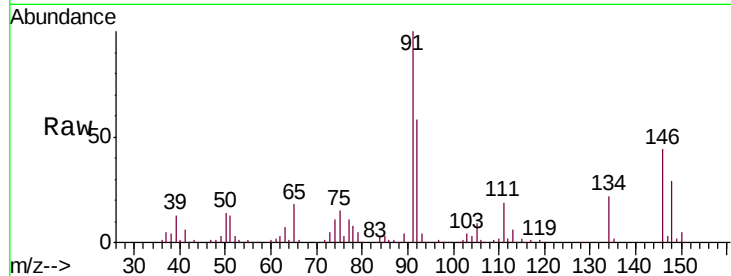




#91
 1,2-Dichlorobenzene
 Concen: 43.51 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

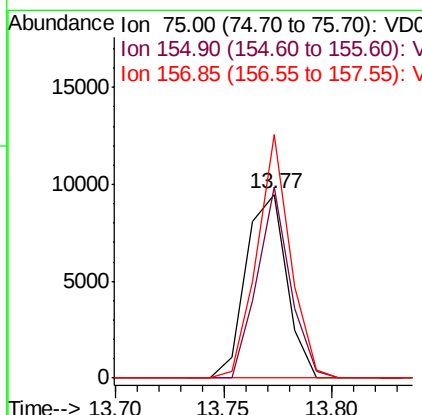
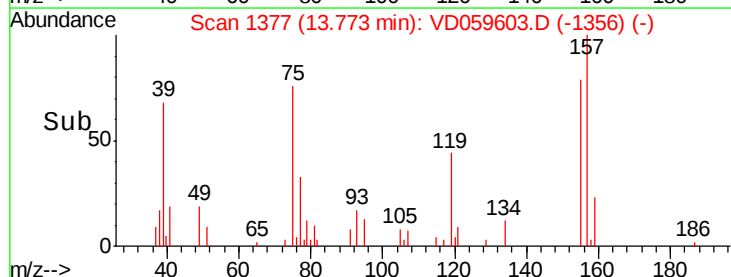
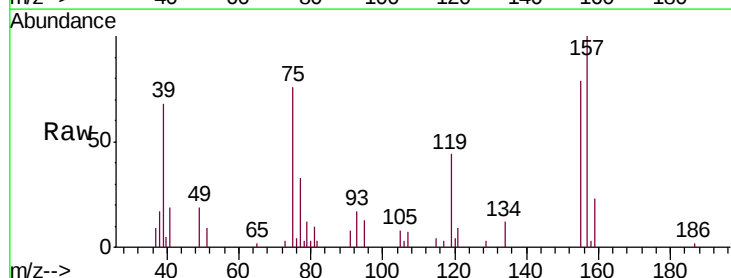
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

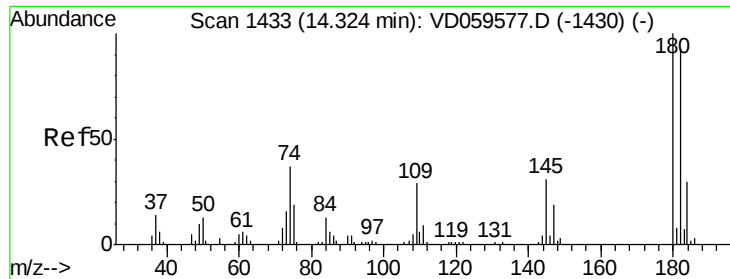
Tot Ion:146 Resp: 103589
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.4 64.3
 148 67.1 32.6 98.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.77 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion: 75 Resp: 12447
 Ion Ratio Lower Upper
 75 100
 155 104.2 42.5 127.5
 157 132.4 55.5 166.3

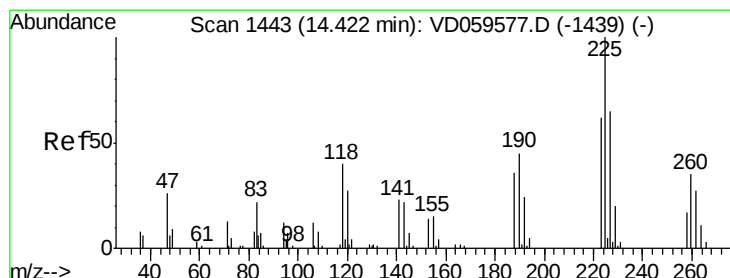
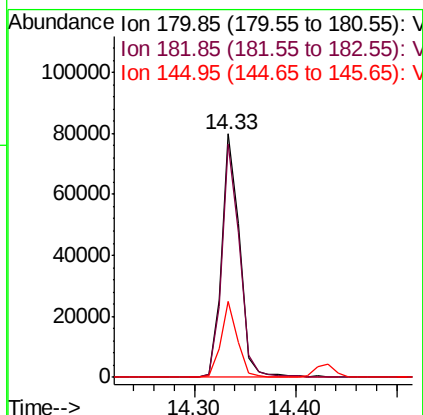
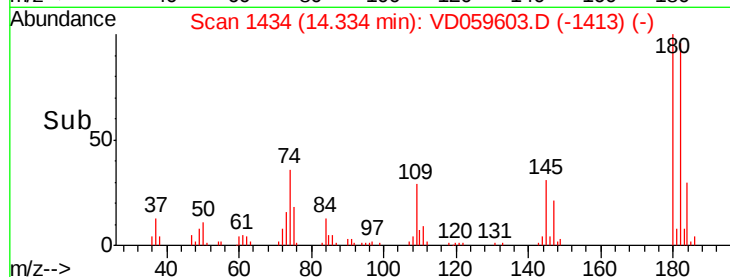
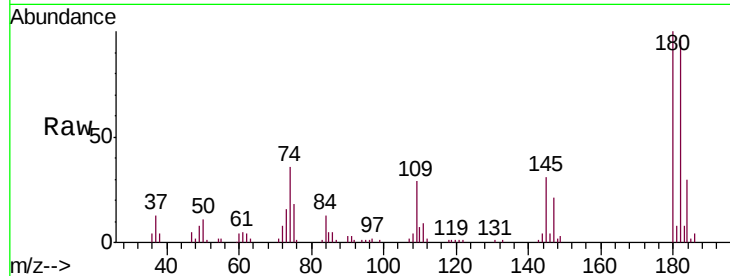




#93
 1,2,4-Trichlorobenzene
 Concen: 50.49 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

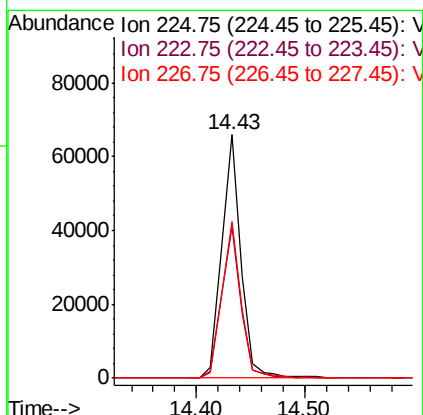
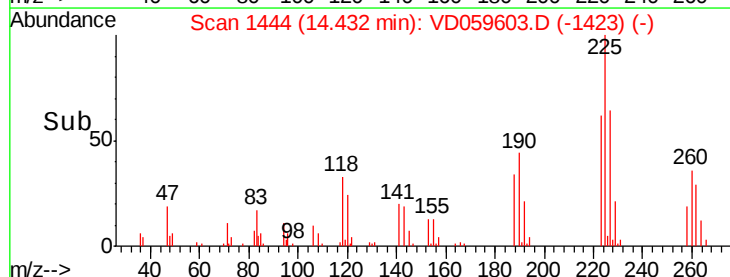
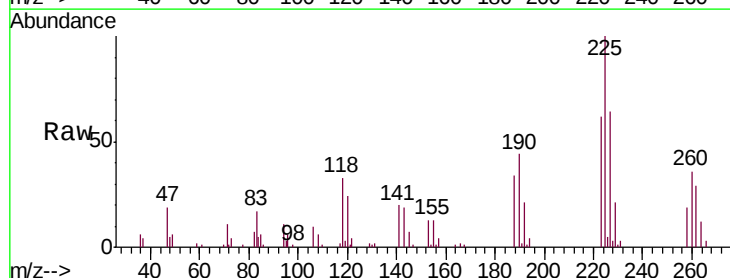
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

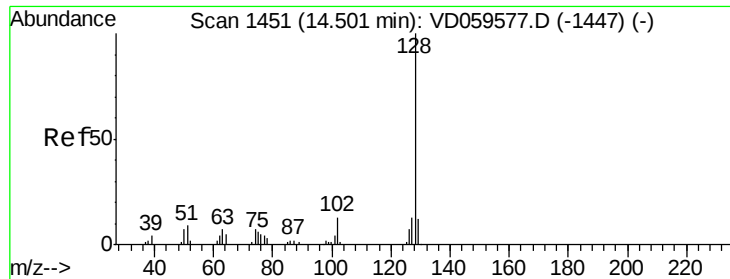
Tot Ion:180 Resp: 99541
 Ion Ratio Lower Upper
 180 100
 182 95.8 46.4 139.2
 145 31.4 15.7 47.0



#94
 Hexachlorobutadiene
 Concen: 52.11 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059603.D
 Acq: 26 Jul 2018 13:57

Tgt Ion:225 Resp: 81035
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.5
 227 64.3 32.4 97.2

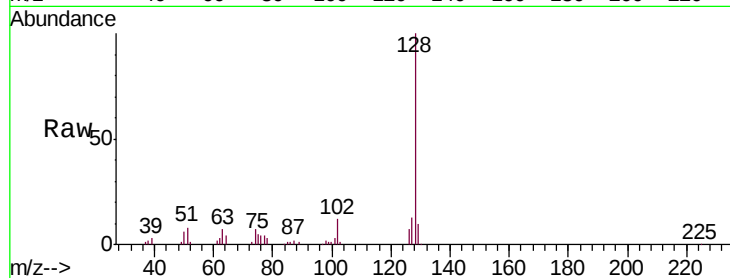




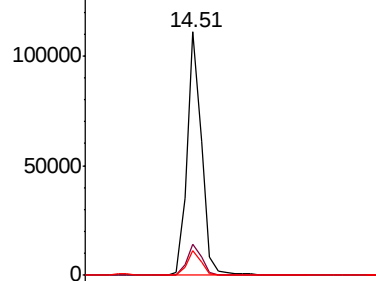
#95
Naphthalene
Concen: 46.99 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

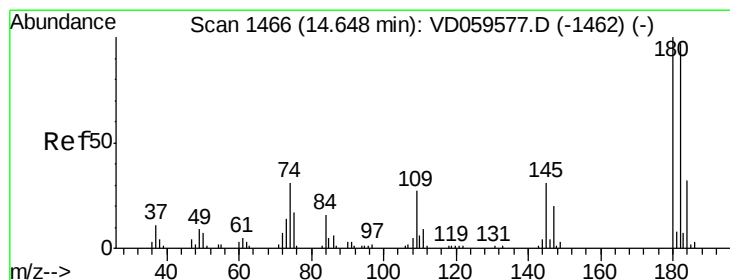
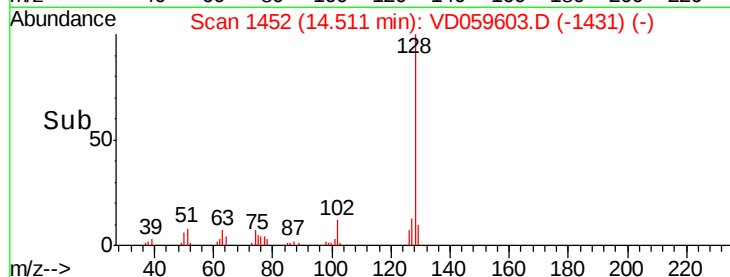
Tot Ion:128 Resp: 131745
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 9.9 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

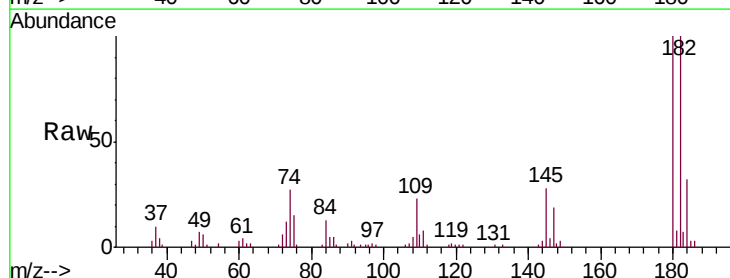


Time--> 14.40 14.50 14.60 14.70

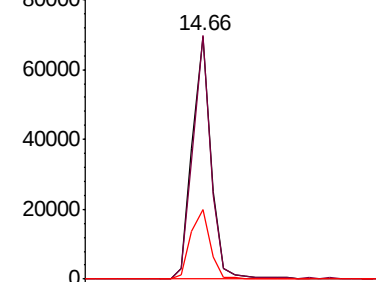


#96
1,2,3-Trichlorobenzene
Concen: 46.93 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059603.D
Acq: 26 Jul 2018 13:57

Tgt Ion:180 Resp: 83722
Ion Ratio Lower Upper
180 100
182 100.3 48.6 145.9
145 28.6 15.6 46.7



Abundance Ion 179.85 (179.55 to 180.55): V
80000
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V



Time--> 14.60 14.70 14.80

