

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072418\
 Data File : VD059579.D
 Acq On : 24 Jul 2018 19:15
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 25 05:41:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 05:39:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	140518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	185495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	153441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	73036	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	175198	173.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	346.22%	
35) Dibromofluoromethane	5.51	113	156738	108.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.22%	
50) Toluene-d8	8.68	98	330082	100.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.36%	
62) 4-Bromofluorobenzene	11.92	95	152467	115.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	231.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.30	85	151302	135.851	ug/l	98
3) Chloromethane	1.45	50	79784	142.072	ug/l	100
4) Vinyl Chloride	1.52	62	89623	164.282	ug/l	99
5) Bromomethane	1.75	94	18387	215.837	ug/l	89
6) Chloroethane	1.82	64	16137	79.138	ug/l	99
7) Trichlorofluoromethane	2.02	101	151139	154.241	ug/l	100
8) Diethyl Ether	2.31	74	30118	178.220	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.50	101	80514	151.644	ug/l	94
10) Methyl Iodide	2.64	142	111262	159.876	ug/l	96
11) Tert butyl alcohol	3.25	59	33350	1002.538	ug/l #	87
12) 1,1-Dichloroethene	2.50	96	61685	146.678	ug/l	90
13) Acrolein	2.44	56	18693	549.049	ug/l	83
14) Allyl chloride	2.87	41	146928	190.082	ug/l	97
15) Acrylonitrile	3.31	53	80932	961.305	ug/l	96
16) Acetone	2.58	43	132865	1069.606	ug/l	99
17) Carbon Disulfide	2.70	76	245471	165.585	ug/l	97
18) Methyl Acetate	2.89	43	53413	140.850	ug/l	99
19) Methyl tert-butyl Ether	3.36	73	199733	137.260	ug/l	99
20) Methylene Chloride	3.02	84	71601	119.787	ug/l	88
21) trans-1,2-Dichloroethene	3.33	96	66447	127.353	ug/l	98
22) Diisopropyl ether	4.03	45	343306	135.459	ug/l	96
23) Vinyl Acetate	3.97	43	1081390	829.005	ug/l	99
24) 1,1-Dichloroethane	3.92	63	228306	134.992	ug/l	97
25) 2-Butanone	4.80	43	190397	778.458	ug/l	98
26) 2,2-Dichloropropane	4.75	77	234072	206.222	ug/l	98
27) cis-1,2-Dichloroethene	4.75	96	117907	112.527	ug/l	91
28) Bromochloromethane	5.10	49	94923	154.574	ug/l #	99
29) Tetrahydrofuran	5.14	42	94470	780.743	ug/l	98
30) Chloroform	5.28	83	277796	142.973	ug/l	99
31) Cyclohexane	5.54	56	153897	131.809	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	279264	160.782	ug/l	99
36) 1,1-Dichloropropene	5.70	75	179289	115.889	ug/l	96
37) Ethyl Acetate	4.89	43	95964	140.545	ug/l	97
38) Carbon Tetrachloride	5.68	117	250466	130.062	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	158212	105.496	ug/l	97
40) Benzene	5.98	78	341371	95.079	ug/l	100
41) Methacrylonitrile	5.08	41	49341	144.012	ug/l	96
42) 1,2-Dichloroethane	6.09	62	229622	149.126	ug/l	99
43) Isopropyl Acetate	7.59	43	136210	144.440	ug/l	97
44) Trichloroethene	6.94	130	133415	84.714	ug/l	98
45) 1,2-Dichloropropane	7.32	63	104695	114.746	ug/l	97
46) Dibromomethane	7.42	93	89388	124.992	ug/l	95
47) Bromodichloromethane	7.71	83	208267	124.048	ug/l	98
48) Methyl methacrylate	7.47	41	88195	139.655	ug/l	96
49) 1,4-Dioxane	7.46	88	17138	2552.933	ug/l	87
51) 4-Methyl-2-Pentanone	8.57	43	418171	660.782	ug/l	100
52) Toluene	8.77	92	223971	97.060	ug/l	93
53) t-1,3-Dichloropropene	9.16	75	192519	143.570	ug/l	98
54) cis-1,3-Dichloropropene	8.33	75	186809	126.721	ug/l	95
55) 1,1,2-Trichloroethane	9.43	97	88152	105.811	ug/l	97
56) Ethyl methacrylate	9.29	69	110785	122.358	ug/l	95
57) 1,3-Dichloropropane	9.64	76	145564	112.572	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.16	63	235925	574.720	ug/l	98
59) 2-Hexanone	9.76	43	327938	721.910	ug/l	98
60) Dibromochloromethane	9.93	129	161445	107.993	ug/l	100
61) 1,2-Dibromoethane	10.07	107	109572	111.770	ug/l	92
64) Tetrachloroethene	9.49	164	129914	63.128	ug/l	97
65) Chlorobenzene	10.70	112	286772	94.895	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.83	131	127271	98.856	ug/l	98
67) Ethyl Benzene	10.84	91	470490	104.064	ug/l	99
68) m/p-Xylenes	10.99	106	316519	191.853	ug/l	98
69) o-Xylene	11.39	106	148420	92.464	ug/l	89
70) Styrene	11.42	104	253871	95.711	ug/l	99
71) Bromoform	11.58	173	114098	96.071	ug/l	99
73) Isopropylbenzene	11.76	105	481625	123.062	ug/l	100
74) N-amyl acetate	11.63	43	179544	171.556	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	103960	131.826	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	116891	143.805	ug/l	99
77) Bromobenzene	12.03	156	141246	92.386	ug/l	87
78) n-propylbenzene	12.15	91	571912	126.268	ug/l	99
79) 2-Chlorotoluene	12.20	91	346930	128.699	ug/l	97
80) 1,3,5-Trimethylbenzene	12.31	105	371096	122.569	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.83	75	32689	183.943	ug/l	98
82) 4-Chlorotoluene	12.31	91	371242	123.836	ug/l	96
83) tert-Butylbenzene	12.57	119	424471	128.008	ug/l	91
84) 1,2,4-Trimethylbenzene	12.62	105	398753	126.840	ug/l	98
85) sec-Butylbenzene	12.75	105	479233	128.025	ug/l	97
86) p-Isopropyltoluene	12.87	119	422742	123.418	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	238625	96.400	ug/l	97
88) 1,4-Dichlorobenzene	12.91	146	228119	94.041	ug/l	96
89) n-Butylbenzene	13.19	91	373102	130.351	ug/l	97
90) Hexachloroethane	13.39	117	112361	122.493	ug/l	84
91) 1,2-Dichlorobenzene	13.18	146	190174	92.895	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.76	75	24234	183.229	ug/l	79

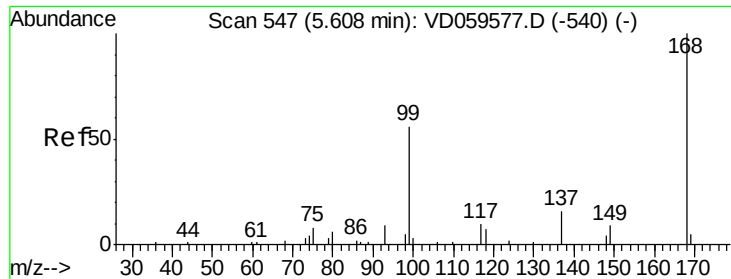
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072418\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	166036	93.346	ug/l	96
94) Hexachlorobutadiene	14.43	225	134543	102.992	ug/l	98
95) Naphthalene	14.51	128	247990	115.079	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	152412	96.277	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

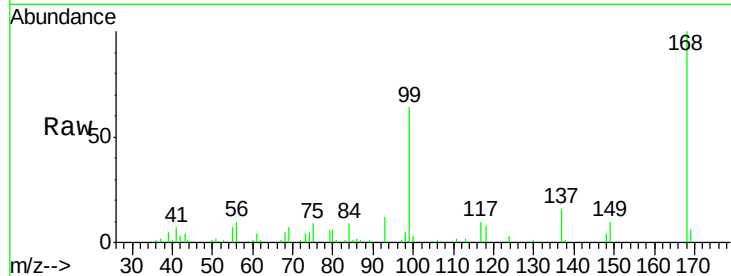
VSTDIC100

Tgt Ion:168 Resp: 140518

Ion Ratio Lower Upper

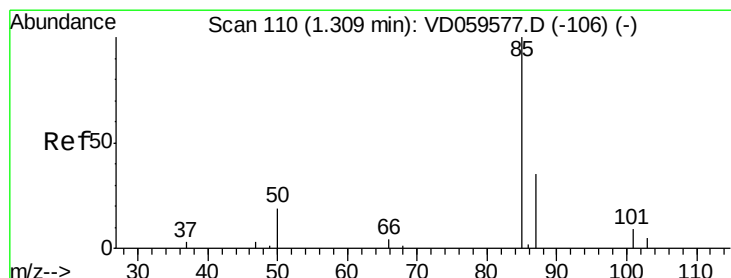
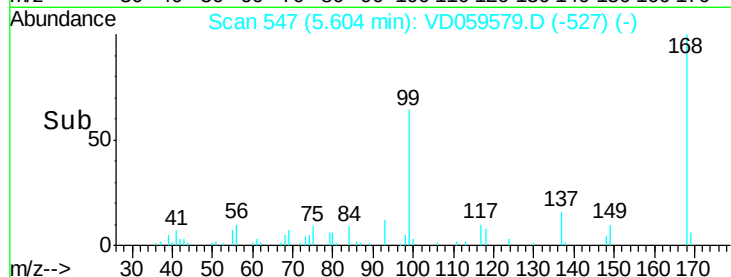
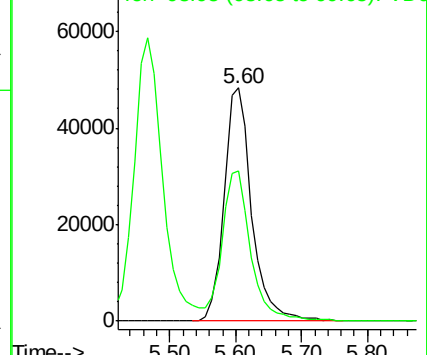
168 100

99 64.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 135.851 ug/l

RT: 1.30 min Scan# 110

Delta R.T. -0.00 min

Lab File: VD059579.D

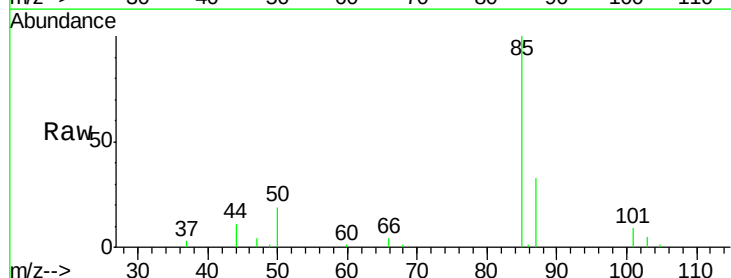
Acq: 24 Jul 2018 19:15

Tgt Ion: 85 Resp: 151302

Ion Ratio Lower Upper

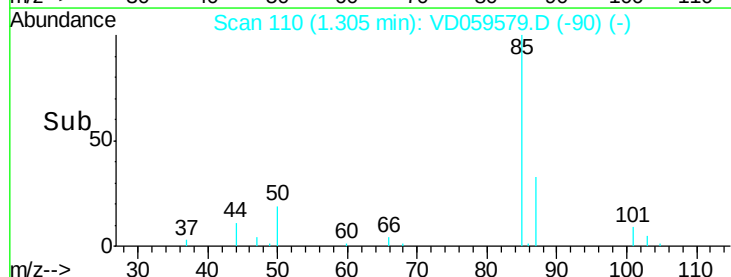
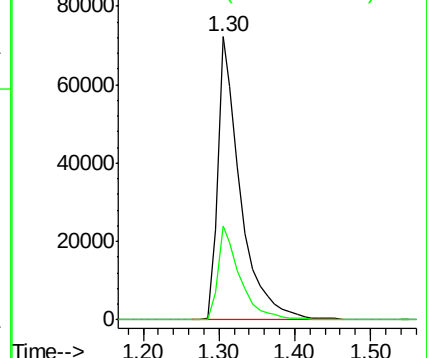
85 100

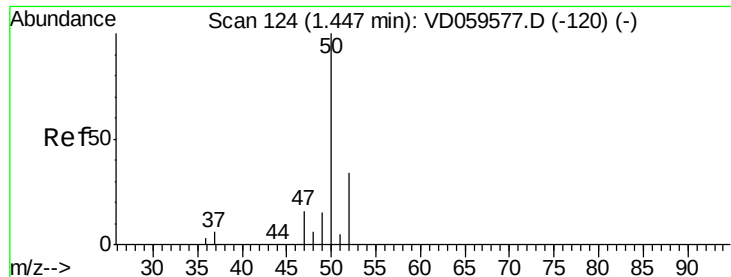
87 33.2 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 142.072 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

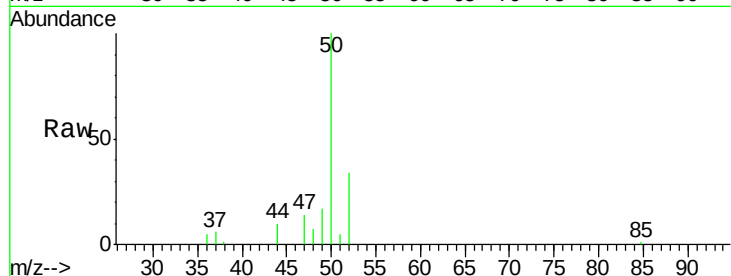
VSTDIC100

Tgt Ion: 50 Resp: 79784

Ion Ratio Lower Upper

50 100

52 34.4 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.45

30000

25000

20000

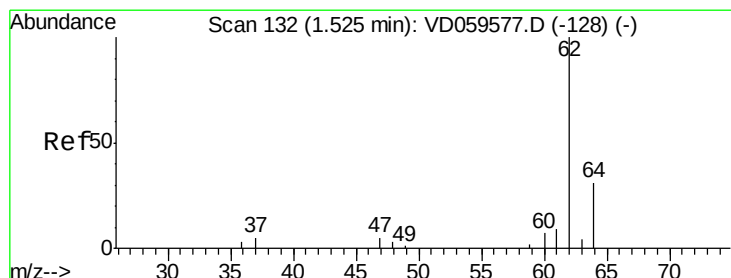
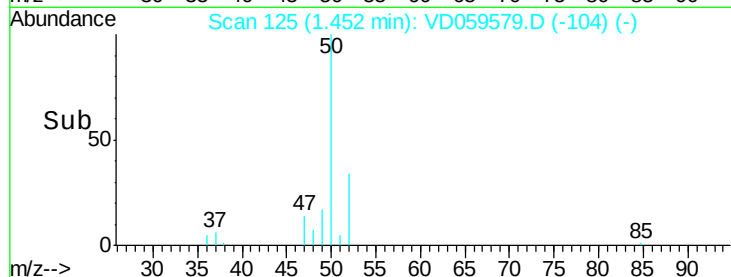
15000

10000

5000

0

Time--> 1.30 1.40 1.50 1.60



#4

Vinyl Chloride

Concen: 164.282 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059579.D

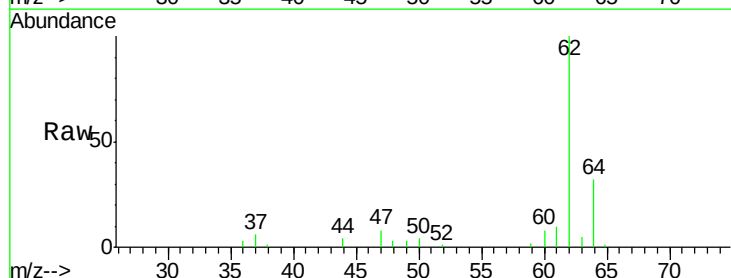
Acq: 24 Jul 2018 19:15

Tgt Ion: 62 Resp: 89623

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.52

60000

50000

40000

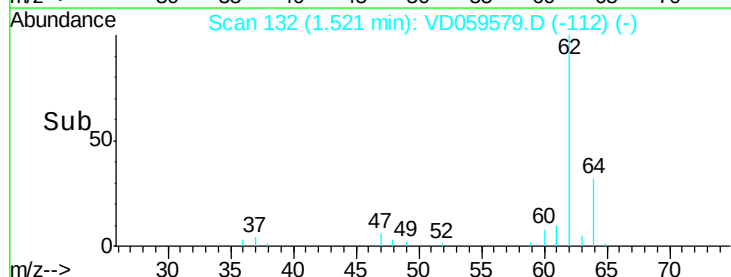
30000

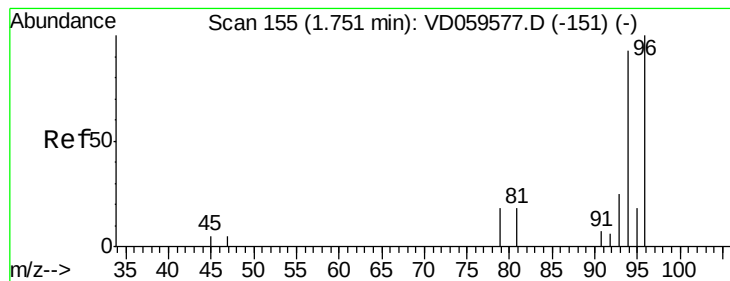
20000

10000

0

Time--> 1.40 1.50 1.60 1.70





#5

Bromomethane

Concen: 215.837 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

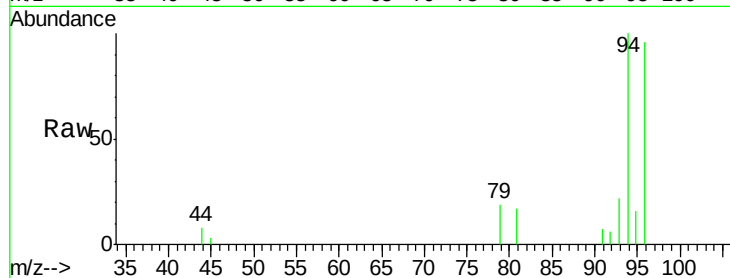
VSTDIC100

Tgt Ion: 94 Resp: 18387

Ion Ratio Lower Upper

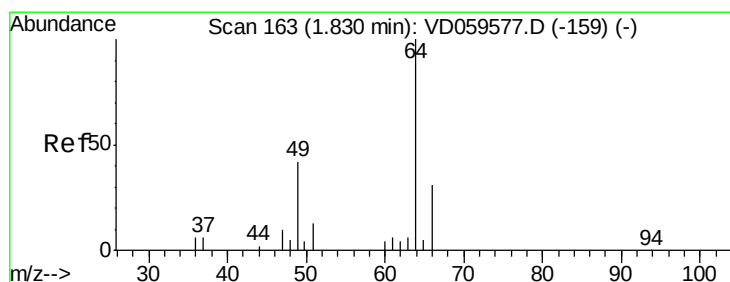
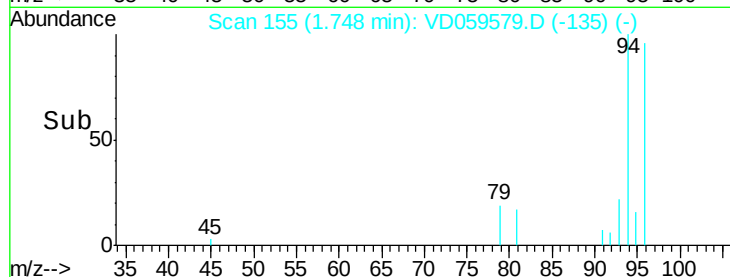
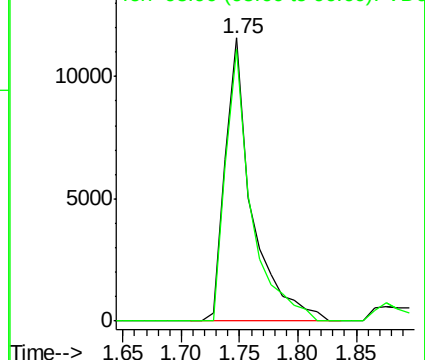
94 100

96 96.0 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 79.138 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD059579.D

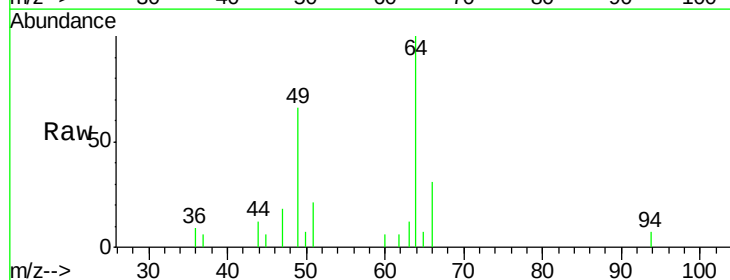
Acq: 24 Jul 2018 19:15

Tgt Ion: 64 Resp: 16137

Ion Ratio Lower Upper

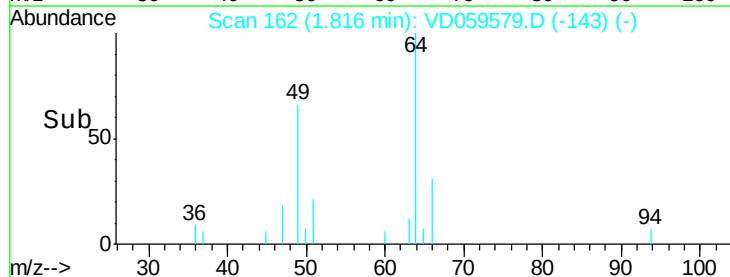
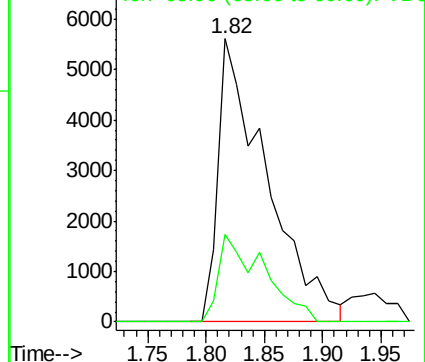
64 100

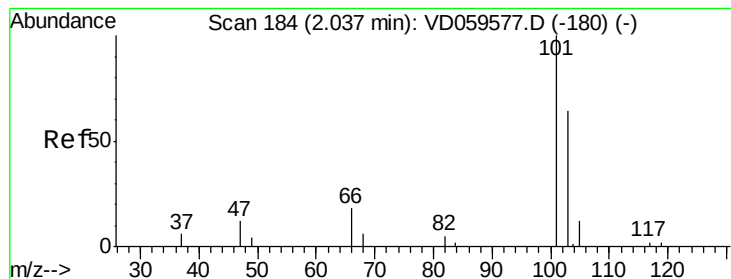
66 30.9 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



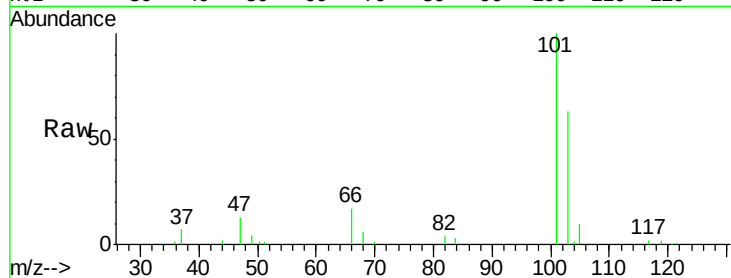


#7

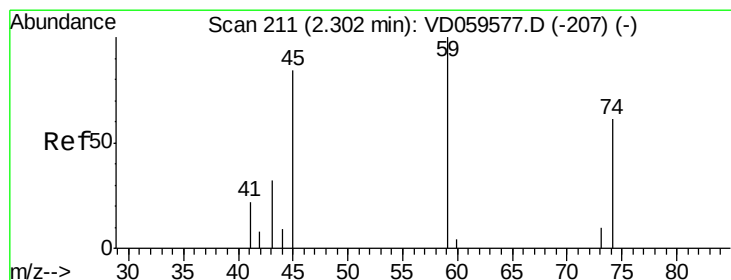
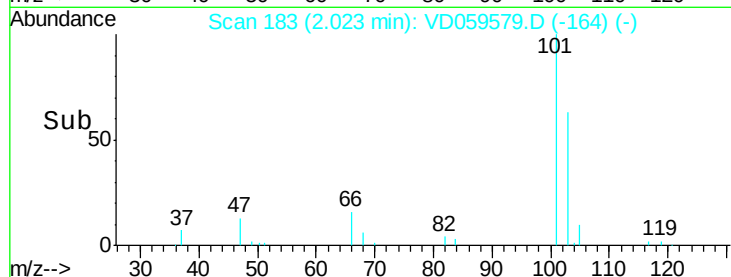
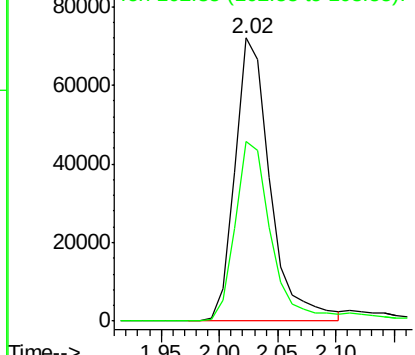
Trichlorofluoromethane
Concen: 154.241 ug/l
RT: 2.02 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 101 Resp: 151139
Ion Ratio Lower Upper
101 100
103 63.3 50.9 76.3



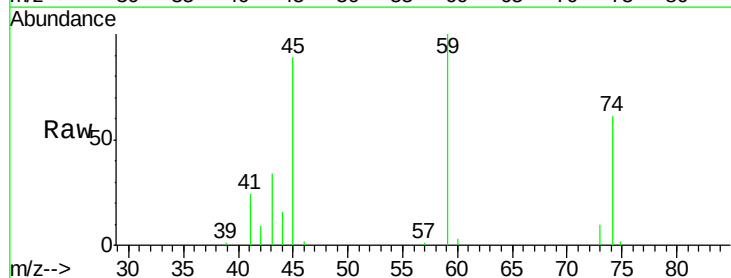
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



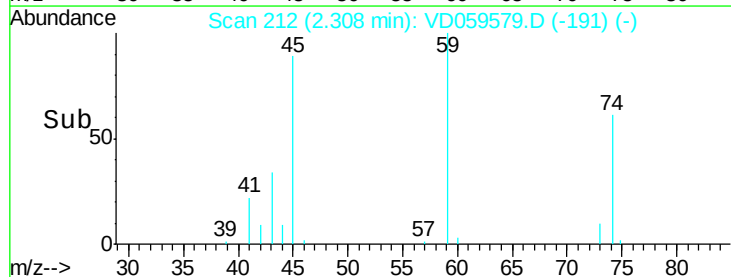
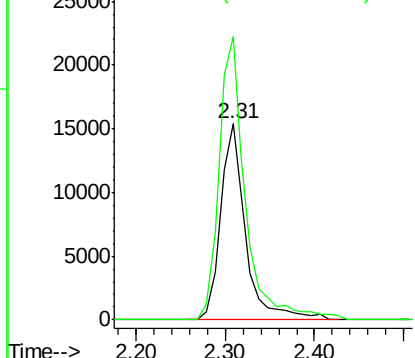
#8

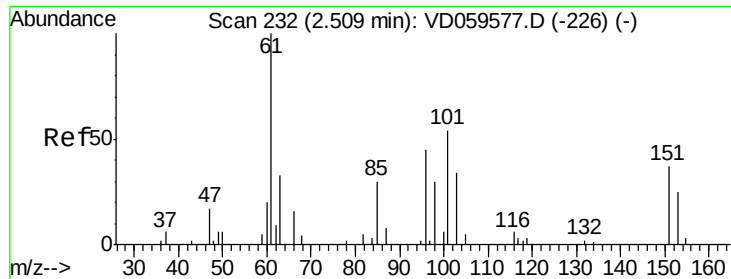
Diethyl Ether
Concen: 178.220 ug/l
RT: 2.31 min Scan# 212
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 74 Resp: 30118
Ion Ratio Lower Upper
74 100
45 144.6 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: 151.644 ug/l

RT: 2.50 min Scan# 232

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

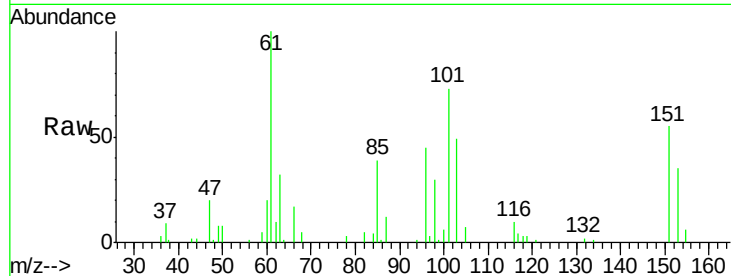
Tgt Ion:101 Resp: 80514

Ion Ratio Lower Upper

101 100

85 52.8 44.5 66.7

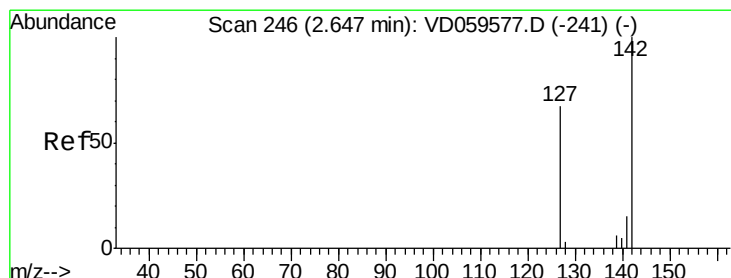
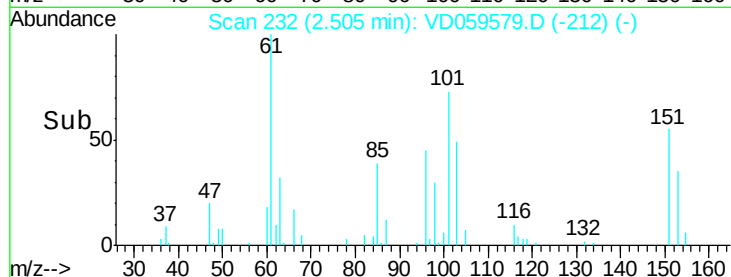
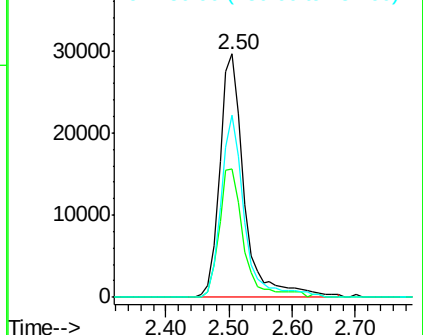
151 74.8 55.4 83.0



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: 159.876 ug/l

RT: 2.64 min Scan# 246

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

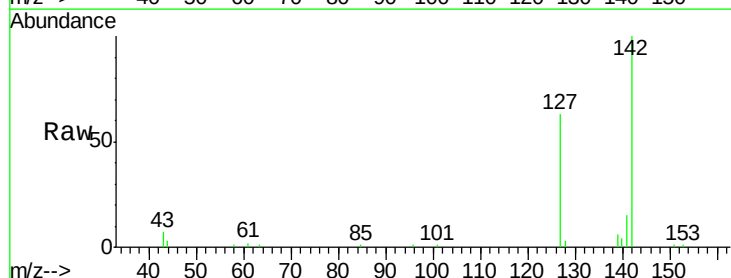
Tgt Ion:142 Resp: 111262

Ion Ratio Lower Upper

142 100

127 63.1 53.6 80.4

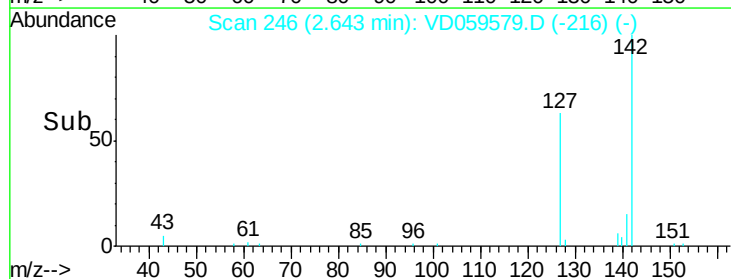
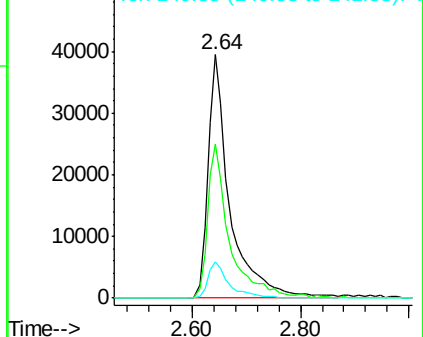
141 15.0 12.2 18.2

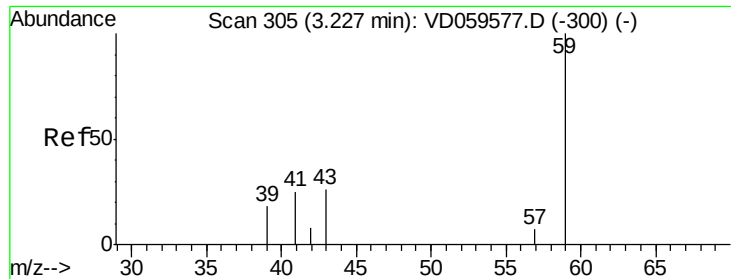


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

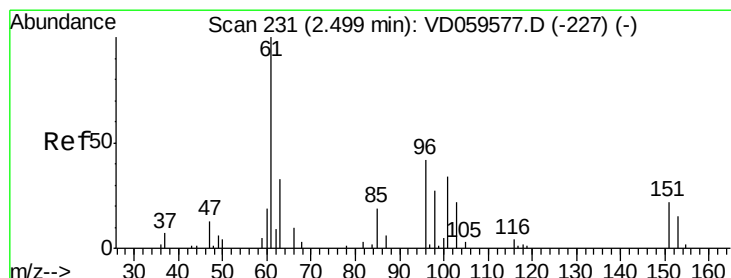
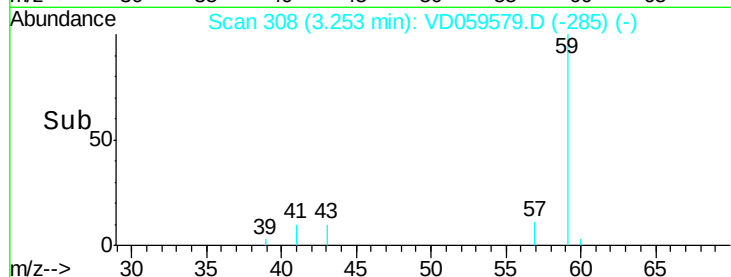
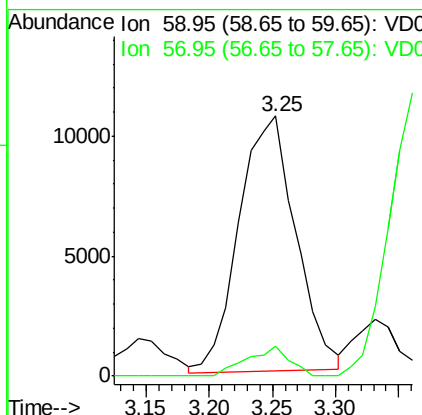
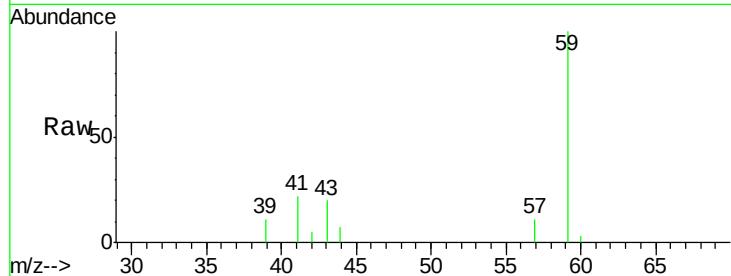




#11
Tert butyl alcohol
Concen: 1002.538 ug/l
RT: 3.25 min Scan# 308
Delta R.T. 0.03 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

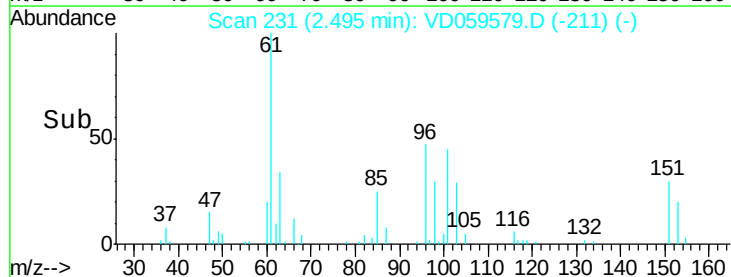
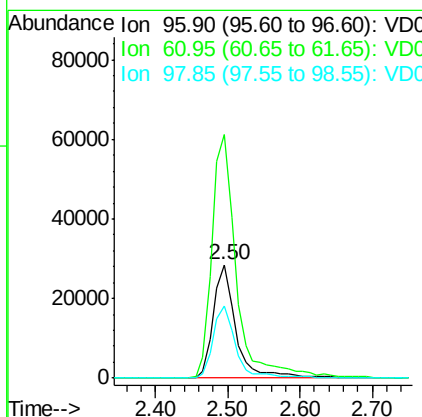
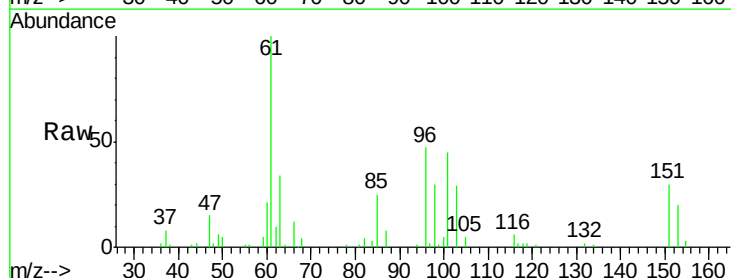
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

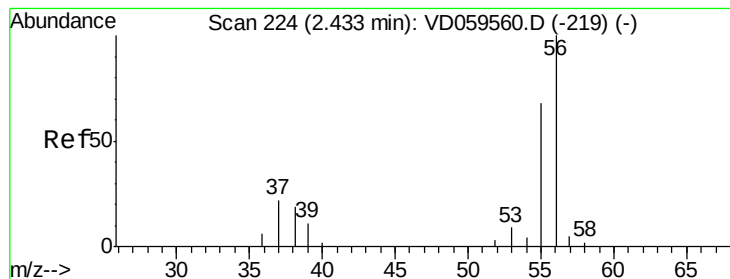
Tgt Ion: 59 Resp: 33350
Ion Ratio Lower Upper
59 100
57 11.5 5.5 8.3#



#12
1,1-Dichloroethene
Concen: 146.678 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 96 Resp: 61685
Ion Ratio Lower Upper
96 100
61 214.3 188.8 283.2
98 63.8 51.4 77.2





#13

Acrolein

Concen: 549.049 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

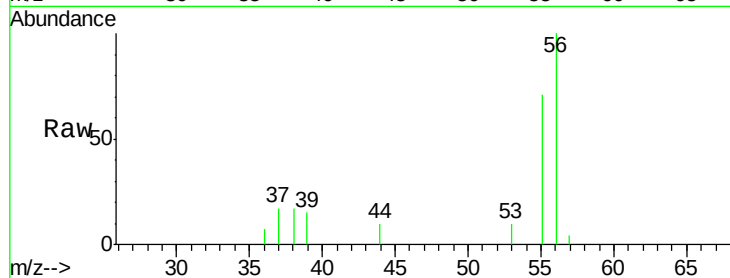
VSTDIC100

Tgt Ion: 56 Resp: 18693

Ion Ratio Lower Upper

56 100

55 71.0 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

10000

8000

6000

4000

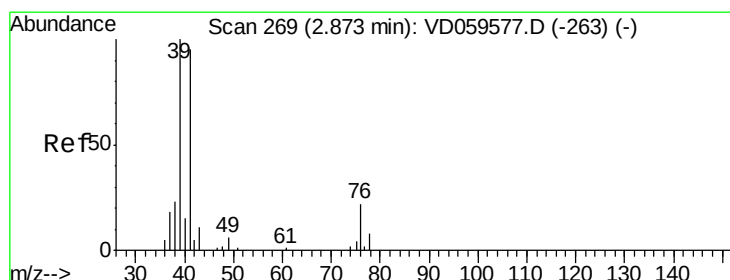
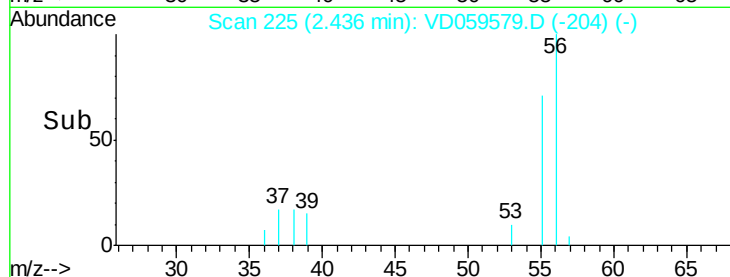
2000

0

Time-->

2.40

2.50



#14

Allyl chloride

Concen: 190.082 ug/l

RT: 2.87 min Scan# 269

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

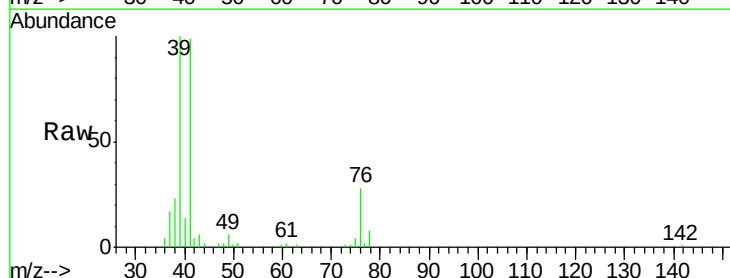
Tgt Ion: 41 Resp: 146928

Ion Ratio Lower Upper

41 100

39 100.9 83.8 125.8

76 28.2 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

2.87

80000

60000

40000

20000

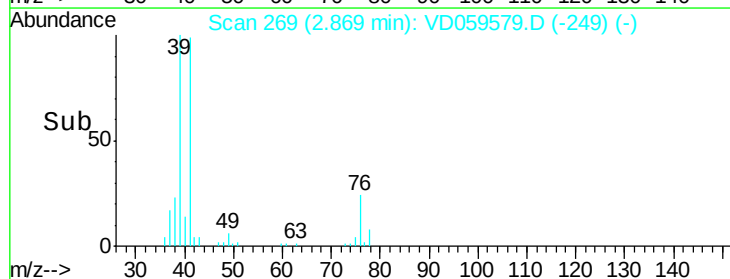
0

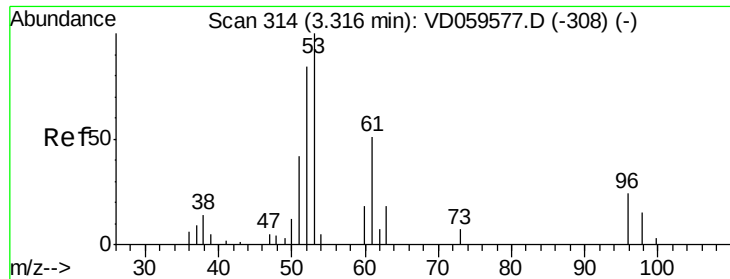
Time-->

2.80

2.90

3.00





#15

Acrylonitrile

Concen: 961.305 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

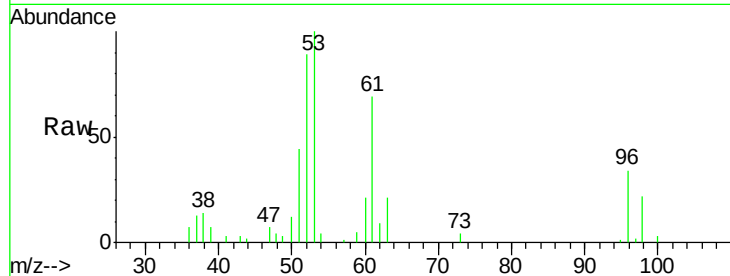
Tgt Ion: 53 Resp: 80932

Ion Ratio Lower Upper

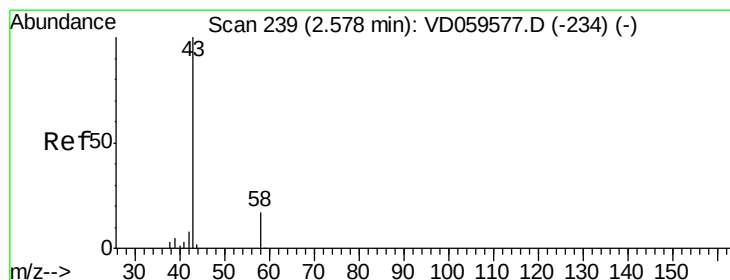
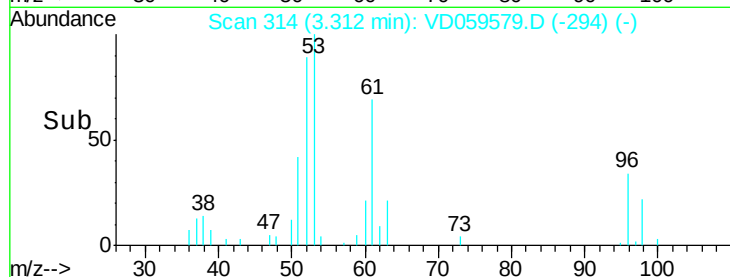
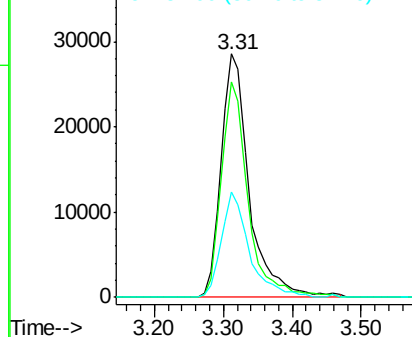
53 100

52 88.6 67.6 101.4

51 43.5 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: 1069.606 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059579.D

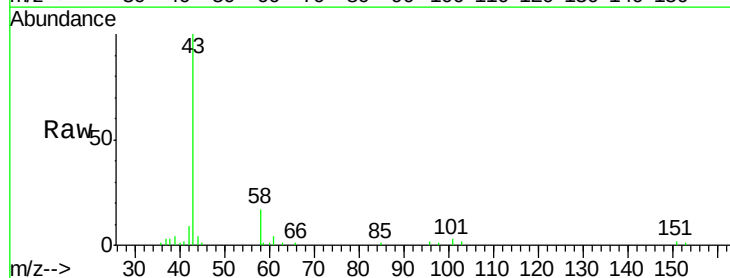
Acq: 24 Jul 2018 19:15

Tgt Ion: 43 Resp: 132865

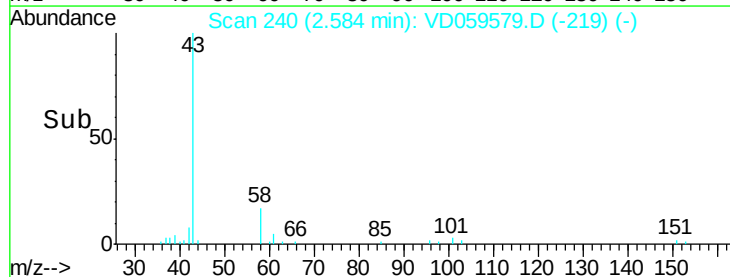
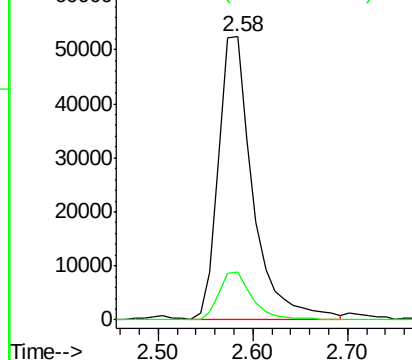
Ion Ratio Lower Upper

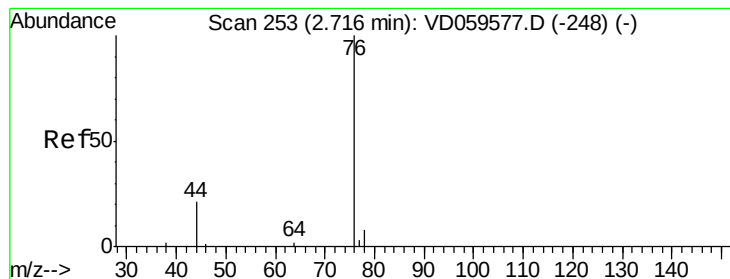
43 100

58 16.9 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: 165.585 ug/l

RT: 2.70 min Scan# 252

Delta R.T. -0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

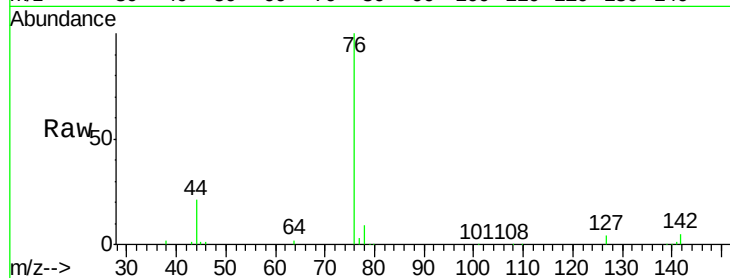
VSTDIC100

Tgt Ion: 76 Resp: 245471

Ion Ratio Lower Upper

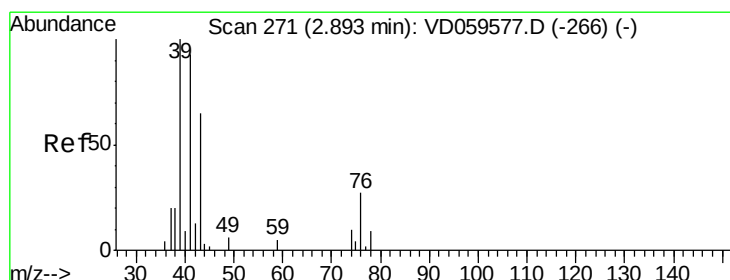
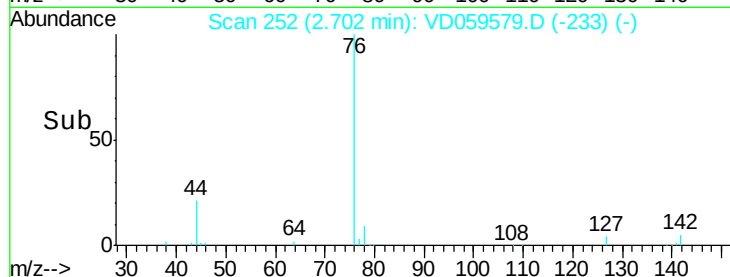
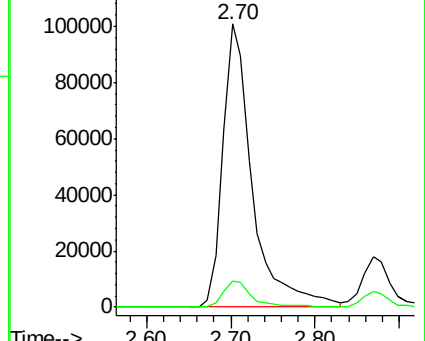
76 100

78 9.4 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 140.850 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.00 min

Lab File: VD059579.D

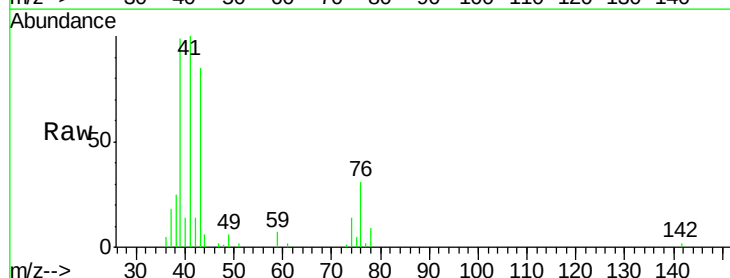
Acq: 24 Jul 2018 19:15

Tgt Ion: 43 Resp: 53413

Ion Ratio Lower Upper

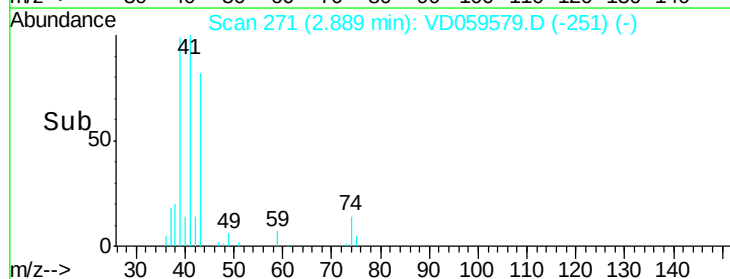
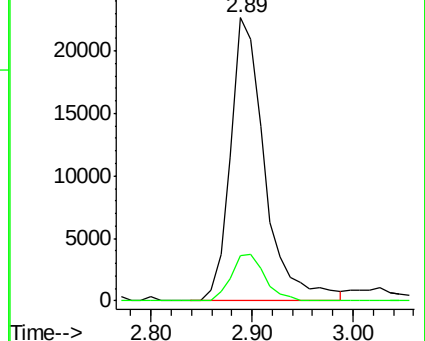
43 100

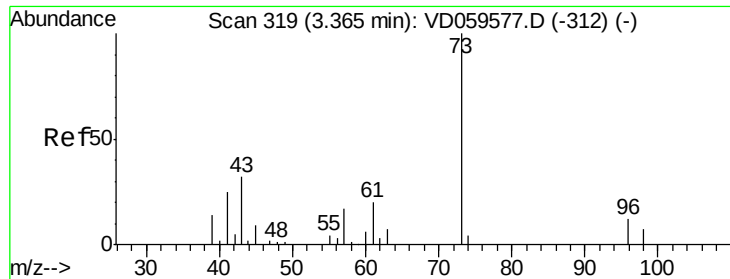
74 15.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

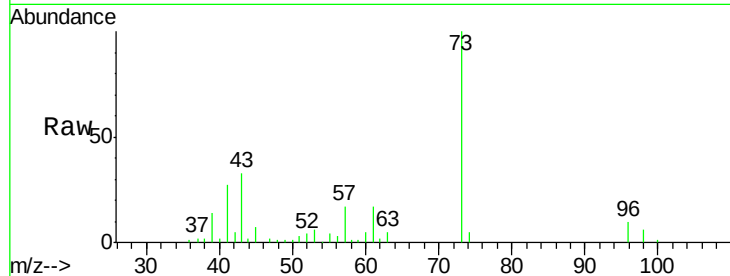




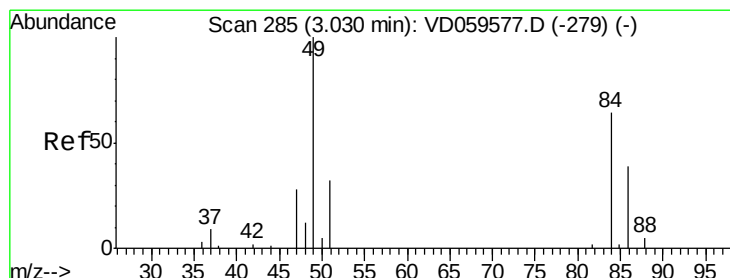
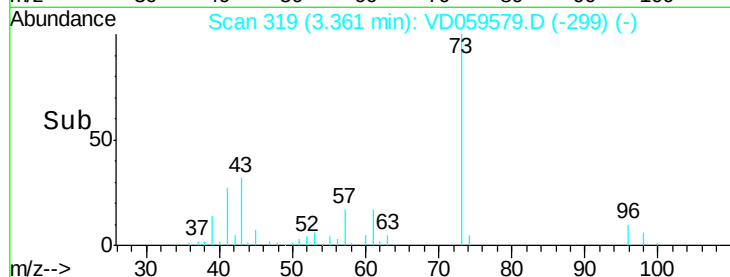
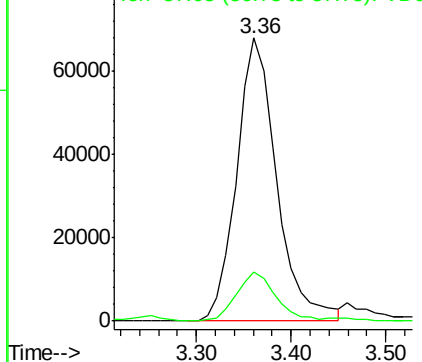
#19
Methyl tert-butyl Ether
Concen: 137.260 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 199733
Ion Ratio Lower Upper
73 100
57 17.4 13.4 20.2

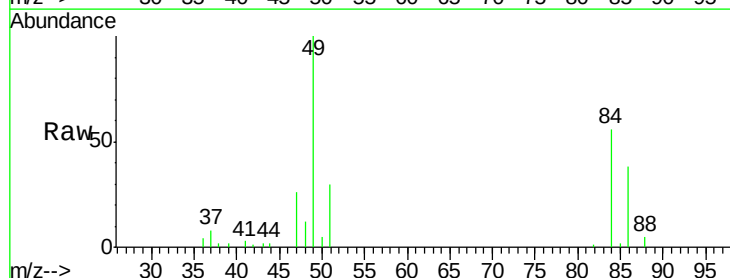


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

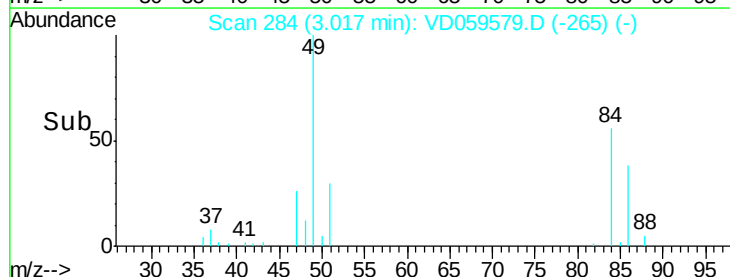
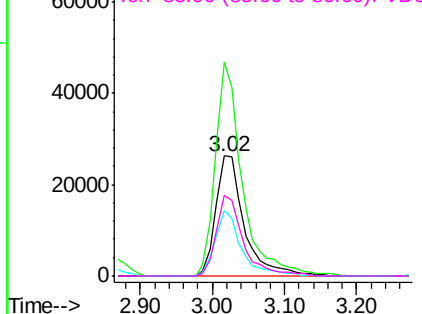


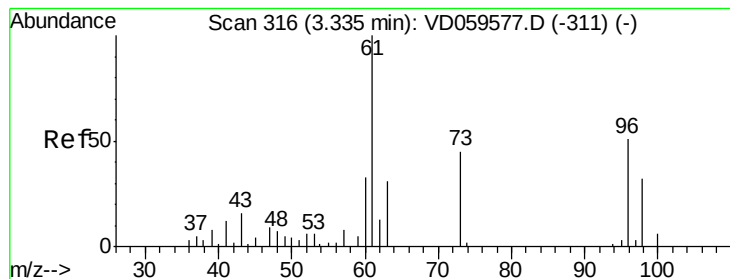
#20
Methylene Chloride
Concen: 119.787 ug/l
RT: 3.02 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 84 Resp: 71601
Ion Ratio Lower Upper
84 100
49 177.6 125.4 188.2
51 53.9 39.7 59.5
86 67.5 49.1 73.7



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





#21

trans-1,2-Dichloroethene

Concen: 127.353 ug/l

RT: 3.33 min Scan# 316

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

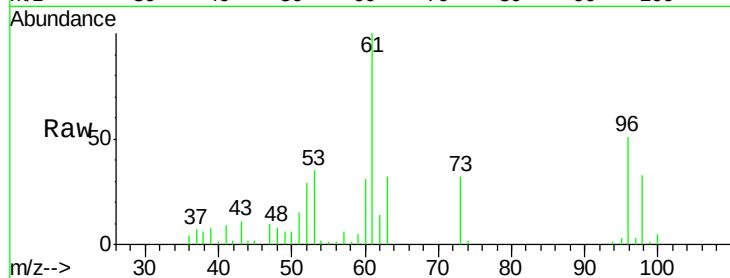
Tgt Ion: 96 Resp: 66447

Ion Ratio Lower Upper

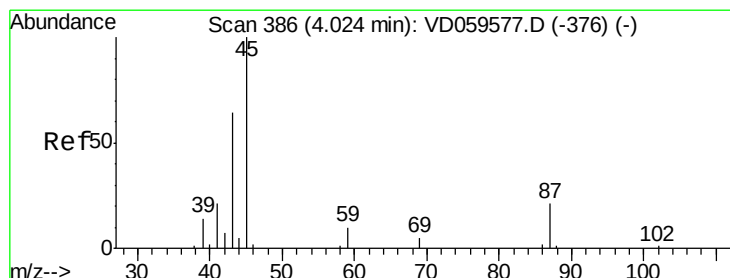
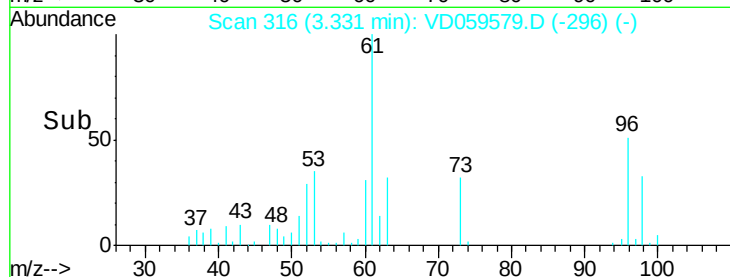
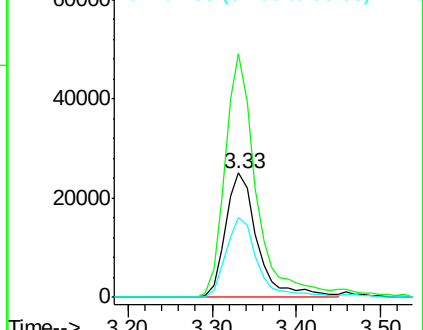
96 100

61 196.3 155.8 233.6

98 64.3 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: 135.459 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Tgt Ion: 45 Resp: 343306

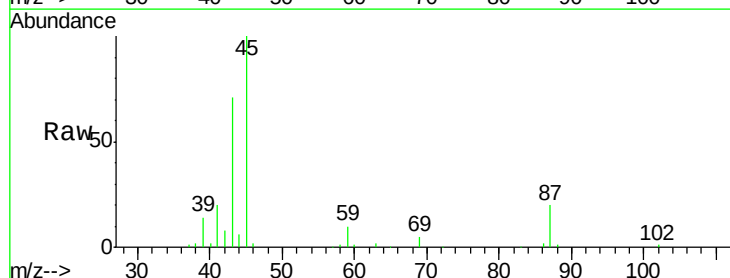
Ion Ratio Lower Upper

45 100

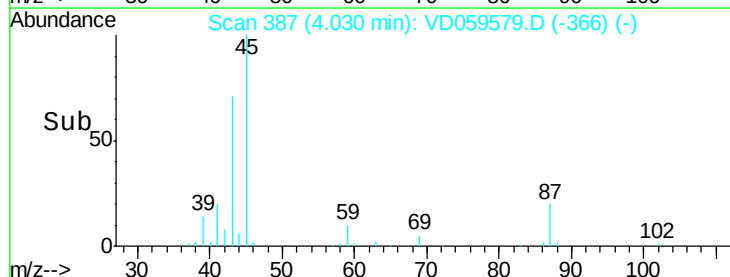
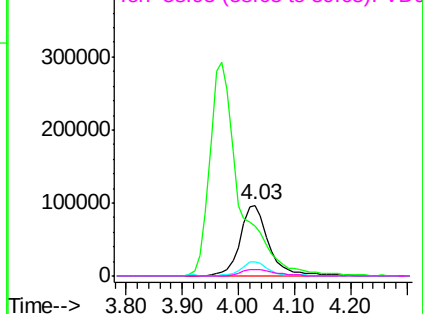
43 70.6 59.4 89.2

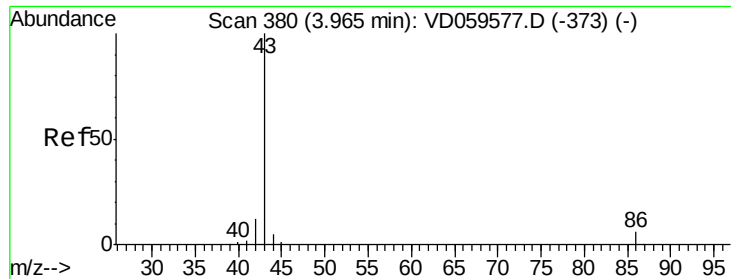
87 20.0 16.7 25.1

59 9.9 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: 829.005 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

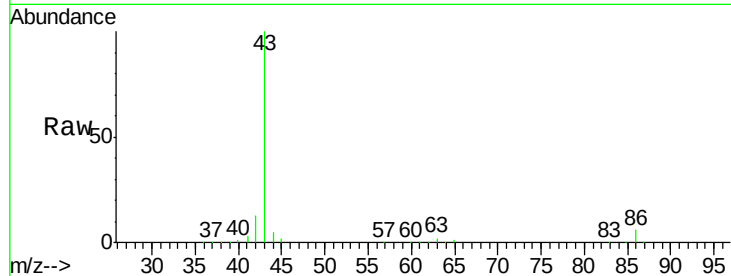
VSTDIC100

Tgt Ion: 43 Resp: 1081390

Ion Ratio Lower Upper

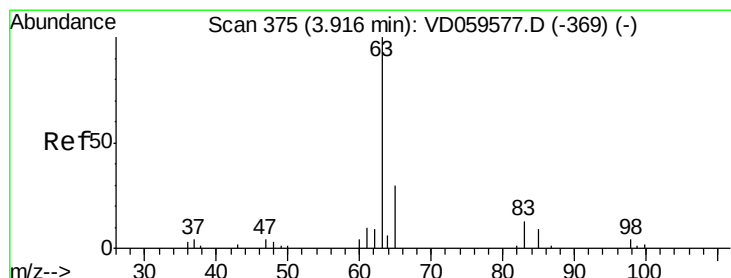
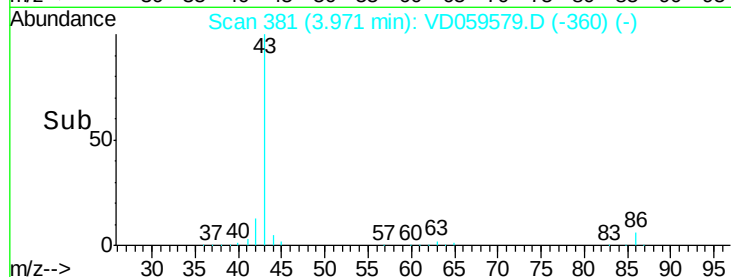
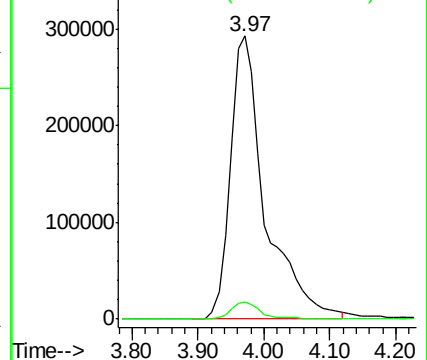
43 100

86 5.9 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: 134.992 ug/l

RT: 3.92 min Scan# 376

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

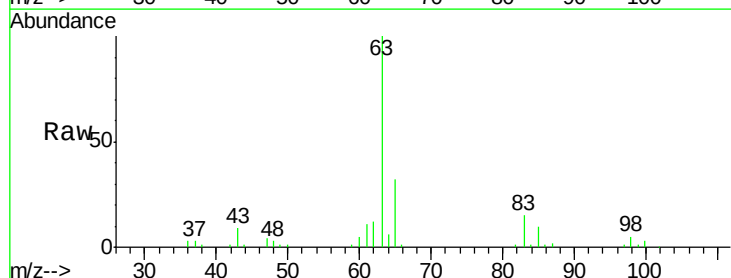
Tgt Ion: 63 Resp: 228306

Ion Ratio Lower Upper

63 100

98 4.7 1.8 5.5

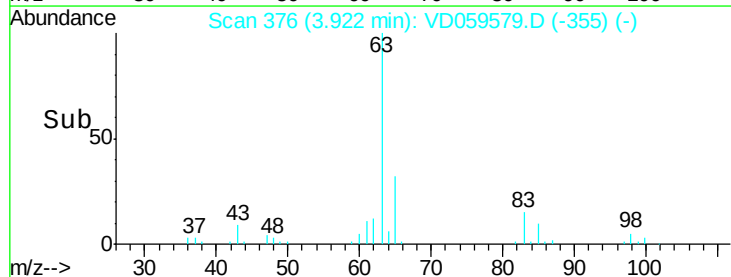
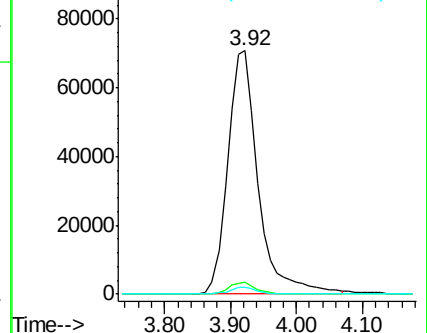
100 3.0 1.1 3.3

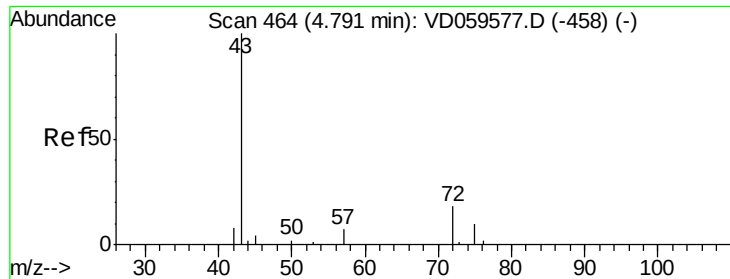


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 778.458 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

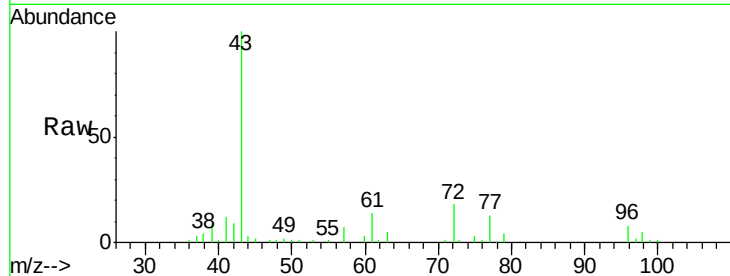
VSTDIC100

Tgt Ion: 43 Resp: 190397

Ion Ratio Lower Upper

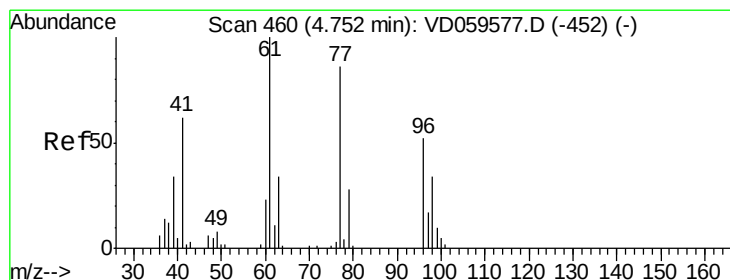
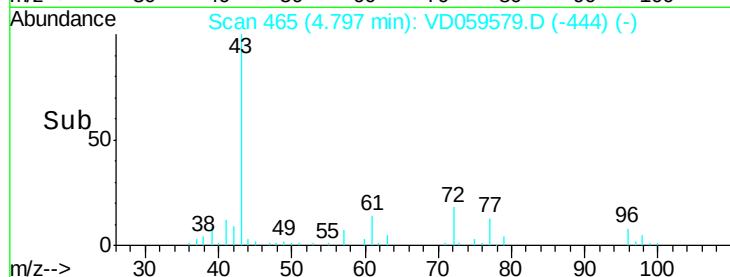
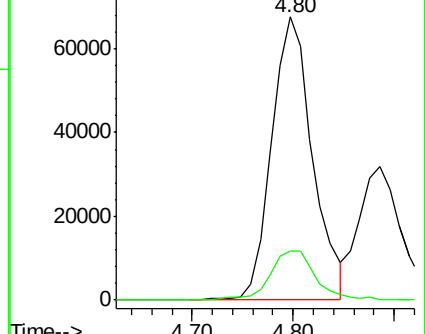
43 100

72 17.6 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 206.222 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059579.D

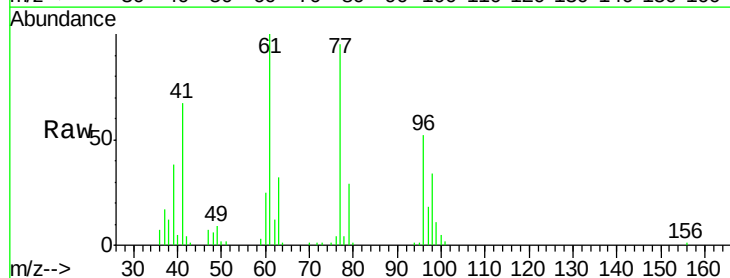
Acq: 24 Jul 2018 19:15

Tgt Ion: 77 Resp: 234072

Ion Ratio Lower Upper

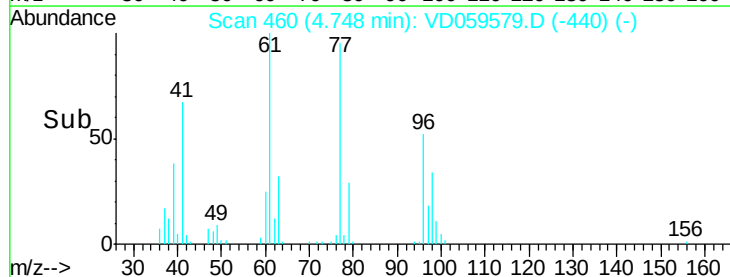
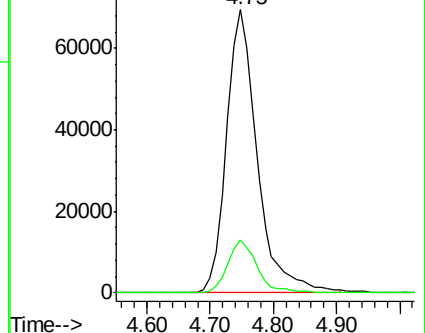
77 100

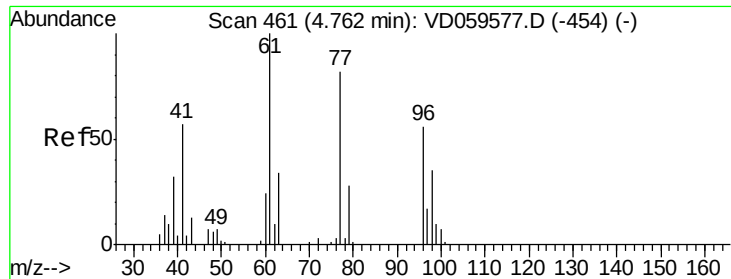
97 18.5 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



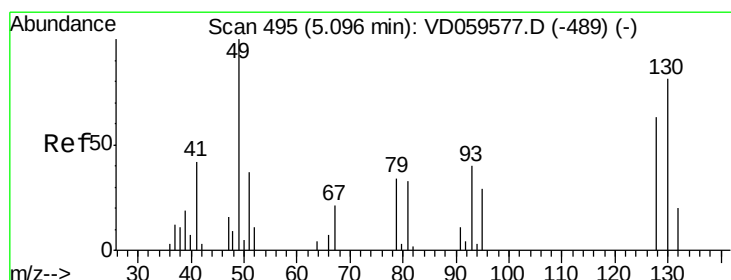
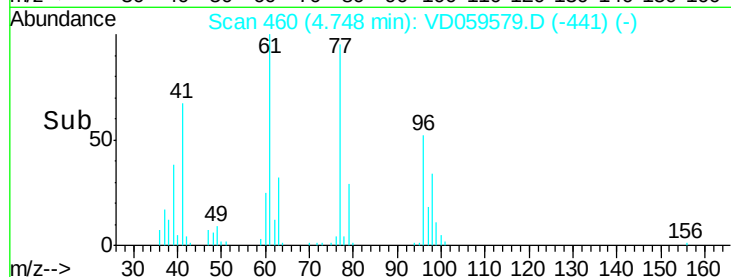
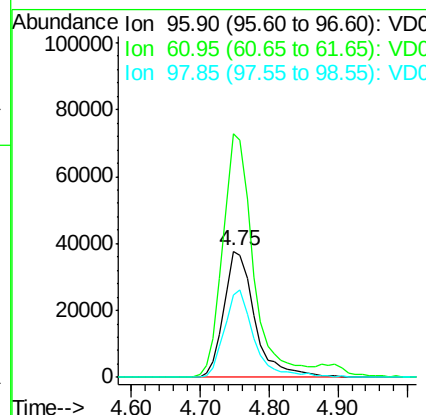
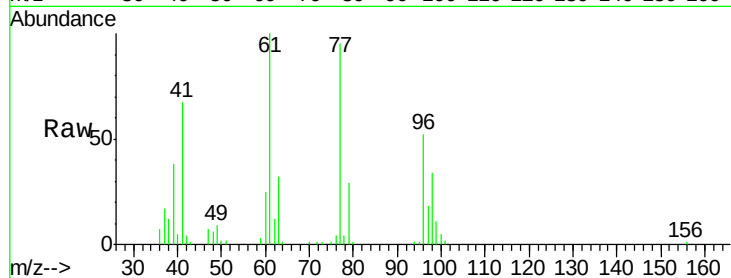


#27

cis-1,2-Dichloroethene
 Concen: 112.527 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

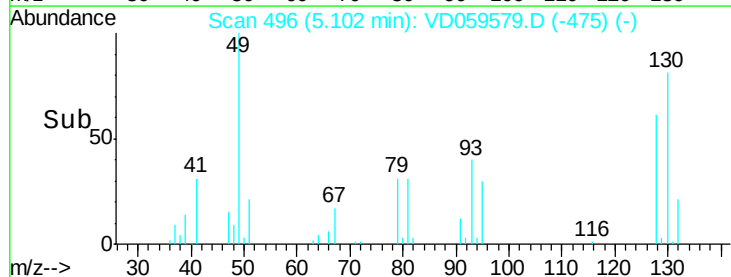
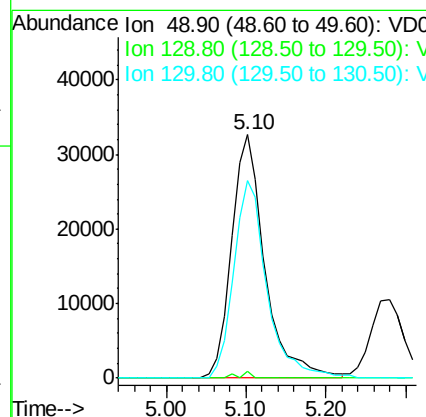
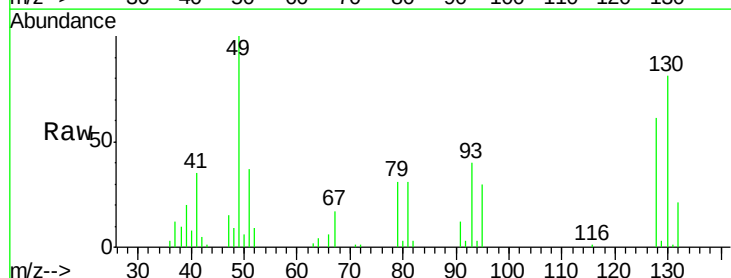
Tgt Ion: 96 Resp: 117907
 Ion Ratio Lower Upper
 96 100
 61 192.7 0.0 355.0
 98 64.7 0.0 125.8

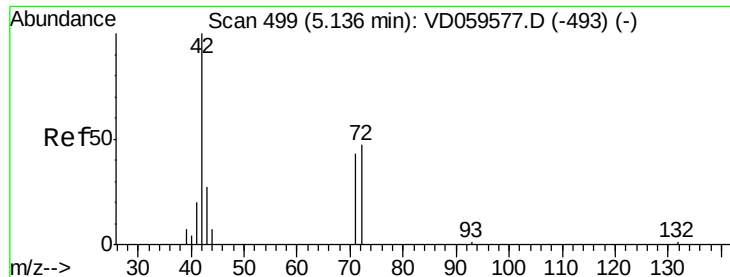


#28

Bromochloromethane
 Concen: 154.574 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion: 49 Resp: 94923
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 0.0#
 130 81.3 64.6 96.8

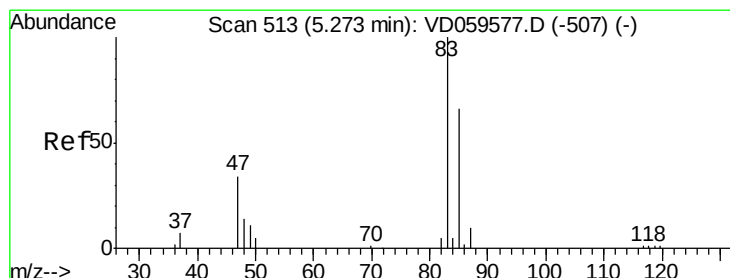
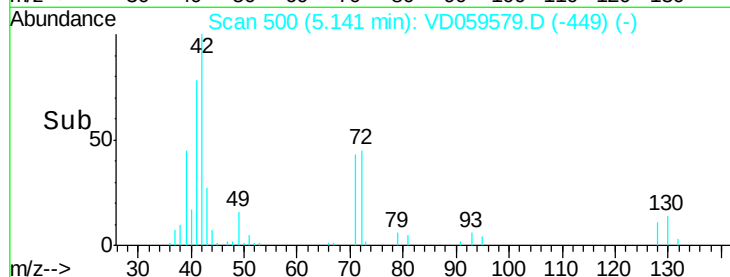
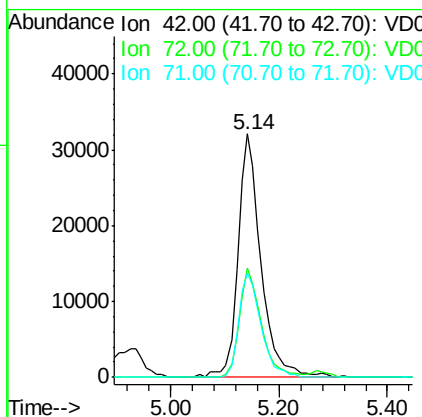
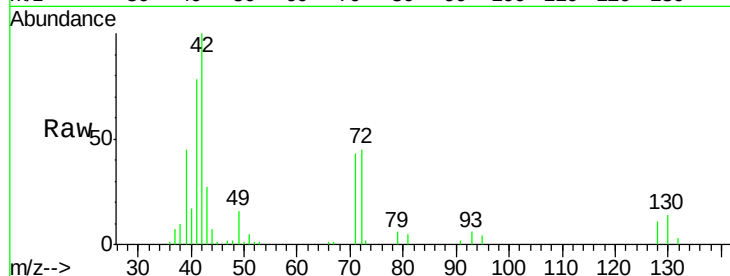




#29
Tetrahydrofuran
Concen: 780.743 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

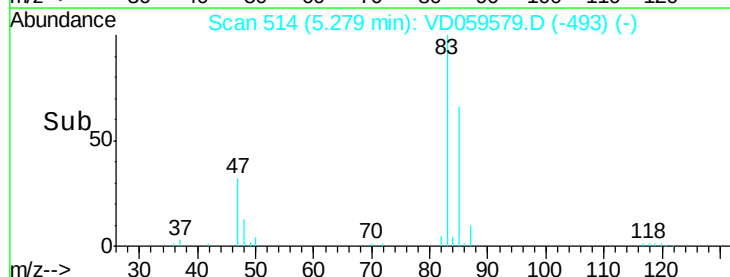
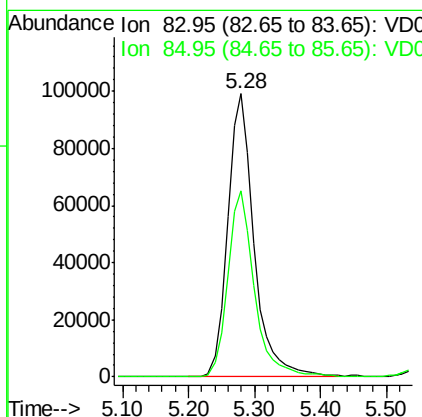
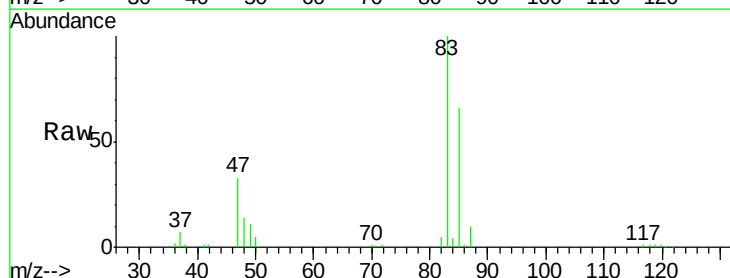
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

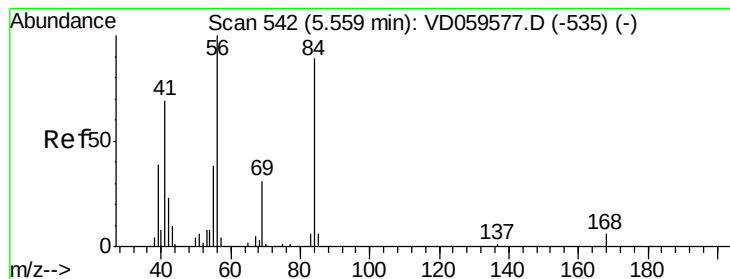
Tgt Ion: 42 Resp: 94470
Ion Ratio Lower Upper
42 100
72 42.7 35.0 52.4
71 41.6 34.2 51.2



#30
Chloroform
Concen: 142.973 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 83 Resp: 277796
Ion Ratio Lower Upper
83 100
85 65.8 53.0 79.6





#31

Cyclohexane

Concen: 131.809 ug/l

RT: 5.54 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

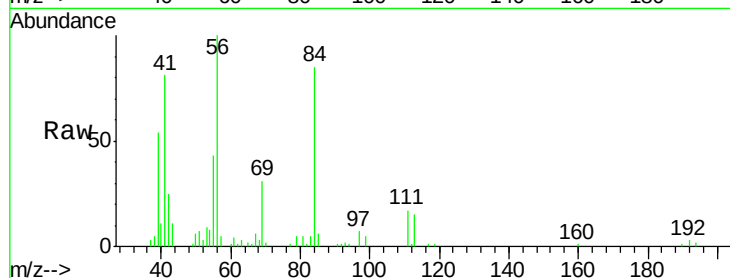
Tgt Ion: 56 Resp: 153897

Ion Ratio Lower Upper

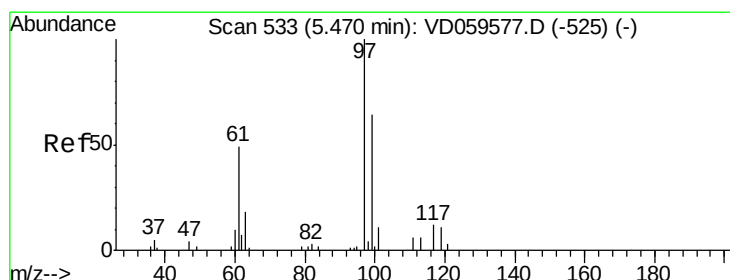
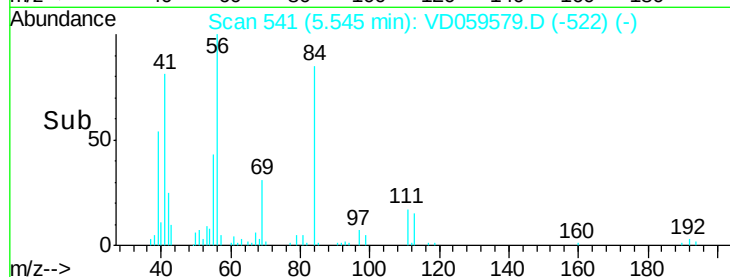
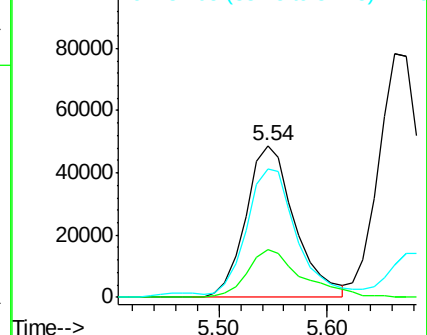
56 100

69 31.3 24.6 37.0

84 85.0 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: 160.782 ug/l

RT: 5.47 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

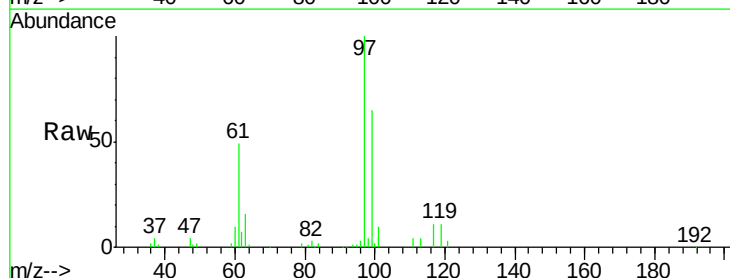
Tgt Ion: 97 Resp: 279264

Ion Ratio Lower Upper

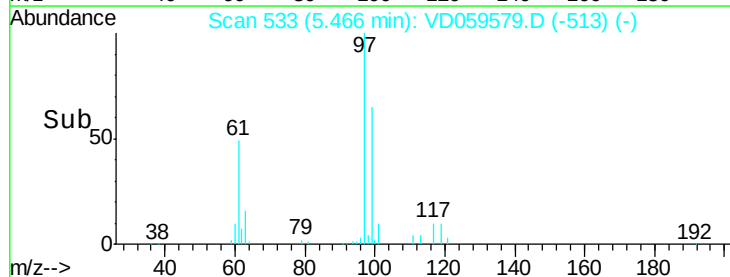
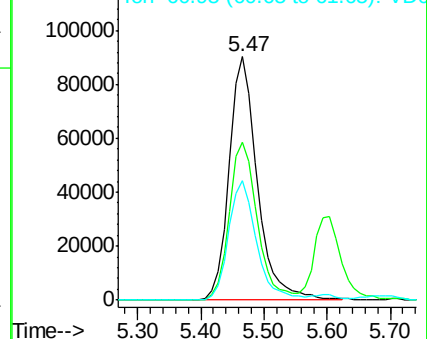
97 100

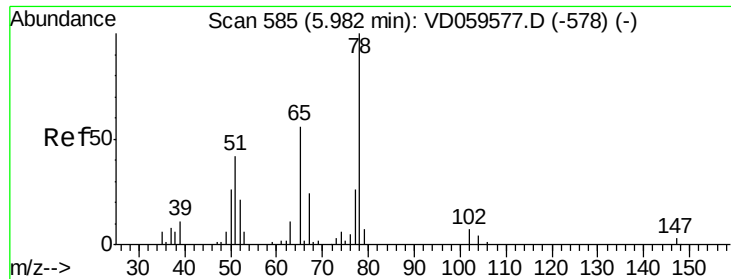
99 64.9 50.9 76.3

61 49.3 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

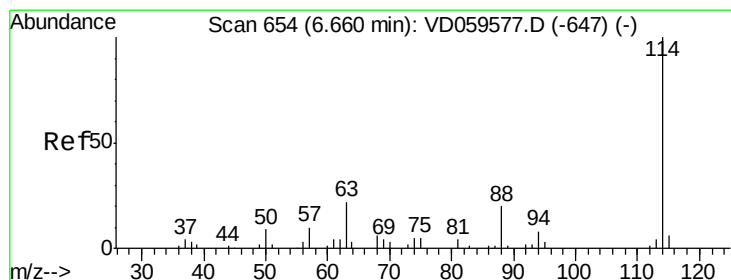
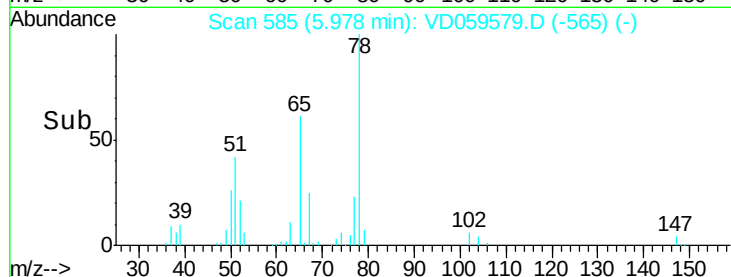
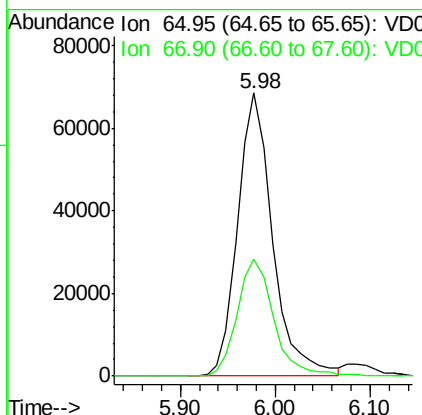
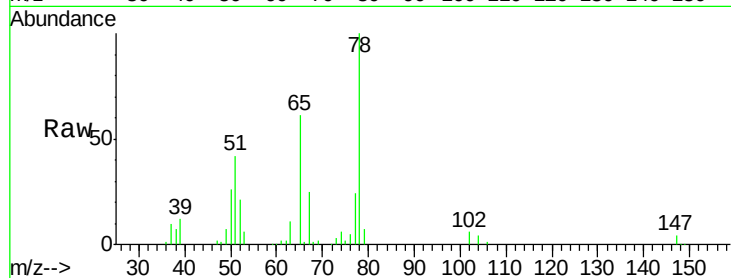




#33
 1,2-Dichloroethane-d4
 Concen: 160.782 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

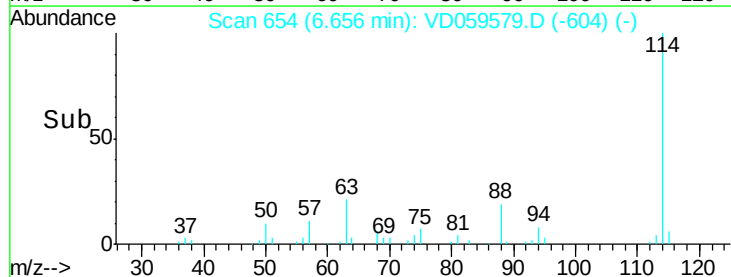
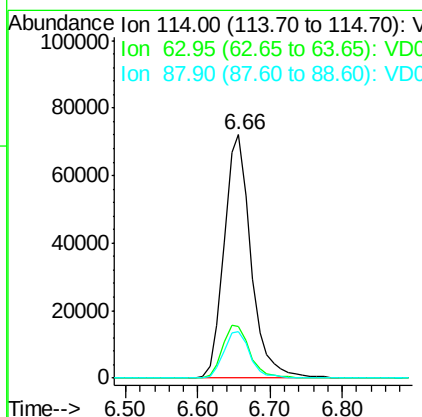
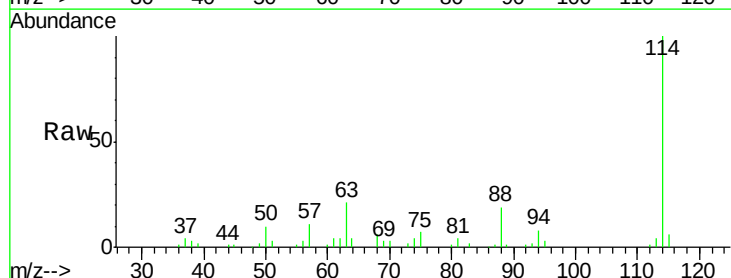
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

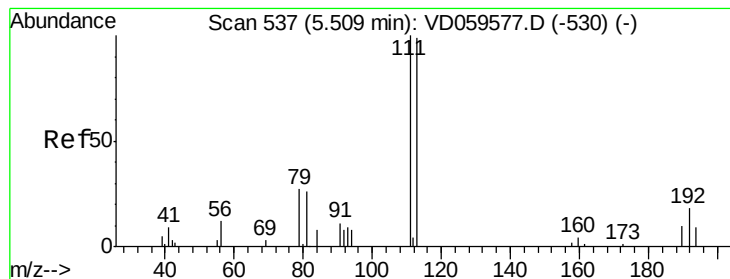
Tgt Ion: 65 Resp: 175198
 Ion Ratio Lower Upper
 65 100
 67 41.2 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion: 114 Resp: 185495
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.8
 88 19.0 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

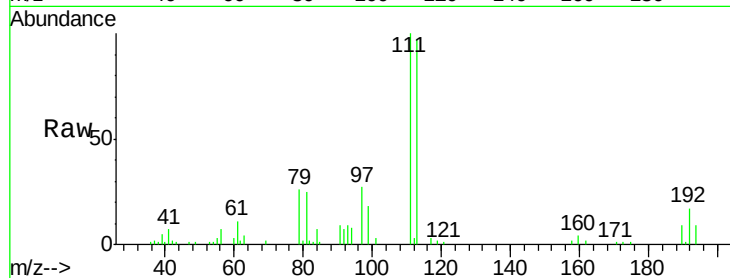
Tgt Ion:113 Resp: 156738

Ion Ratio Lower Upper

113 100

111 103.5 80.5 120.7

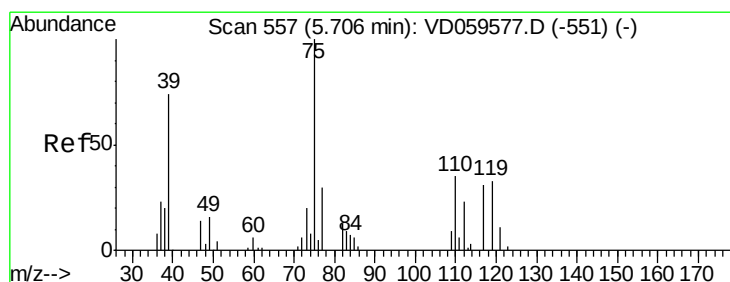
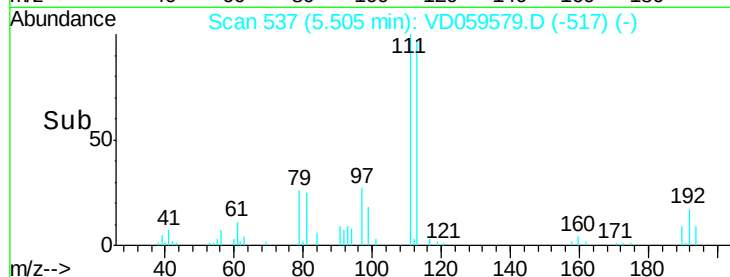
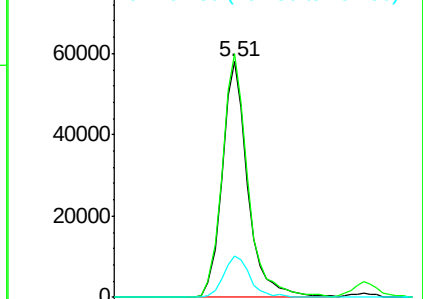
192 17.6 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 115.889 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

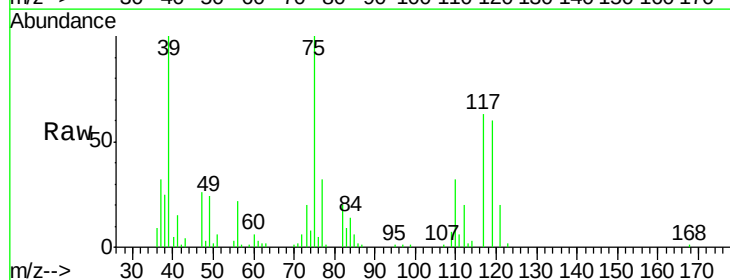
Tgt Ion: 75 Resp: 179289

Ion Ratio Lower Upper

75 100

110 31.9 17.0 50.9

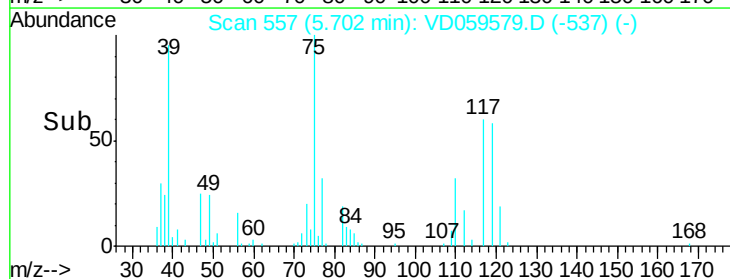
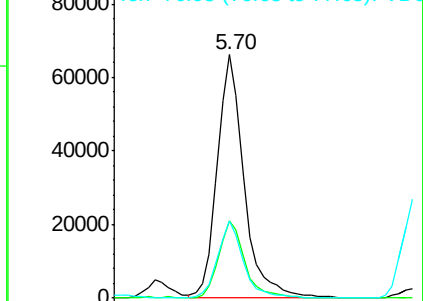
77 31.8 23.6 35.4

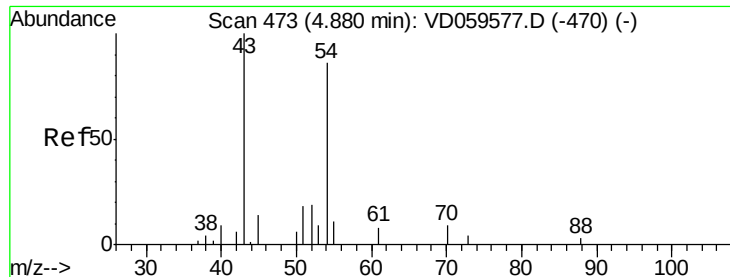


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

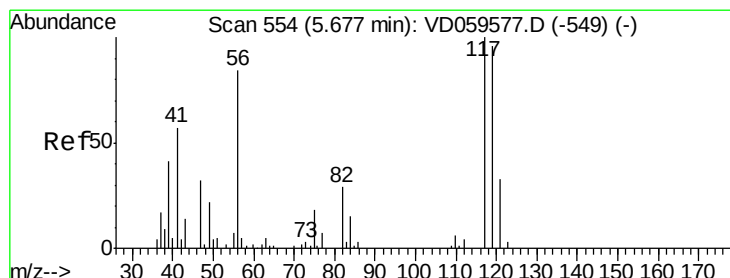
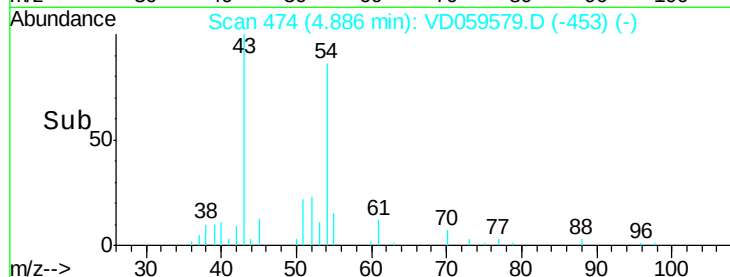
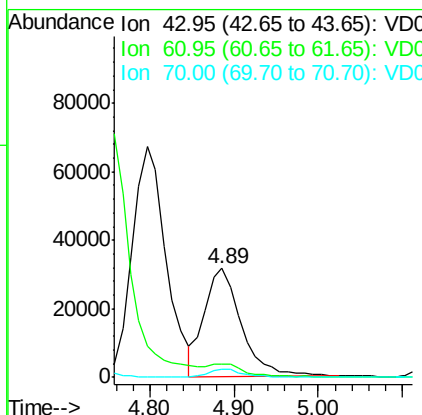
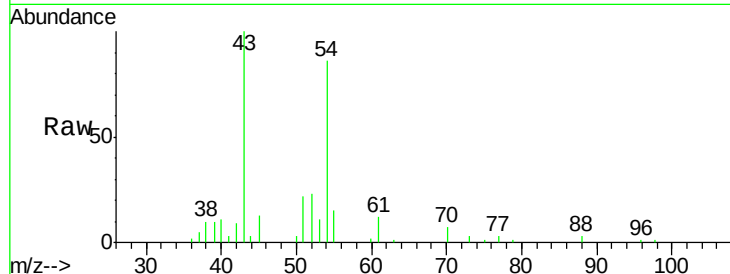




#37
Ethyl Acetate
Concen: 140.545 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

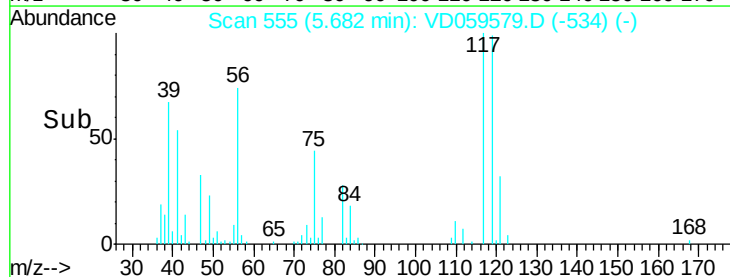
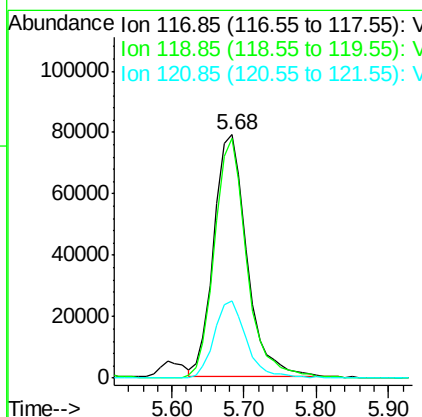
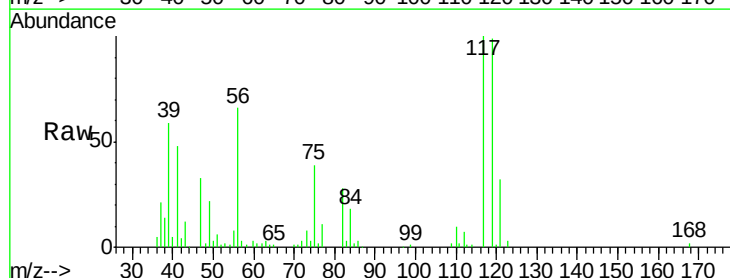
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

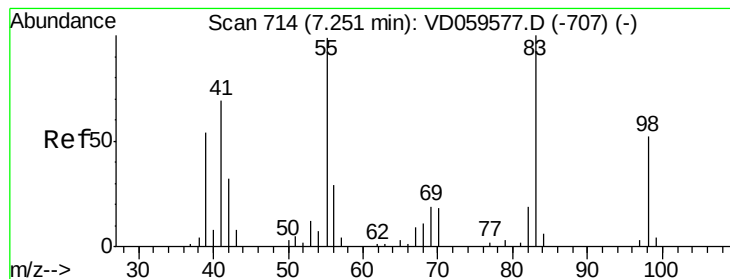
Tgt Ion: 43 Resp: 95964
Ion Ratio Lower Upper
43 100
61 11.6 10.7 16.1
70 7.0 5.4 8.0



#38
Carbon Tetrachloride
Concen: 130.062 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 117 Resp: 250466
Ion Ratio Lower Upper
117 100
119 98.7 73.6 110.4
121 31.9 25.0 37.6





#39

Methylcyclohexane

Concen: 105.496 ug/l

RT: 7.25 min Scan# 714

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

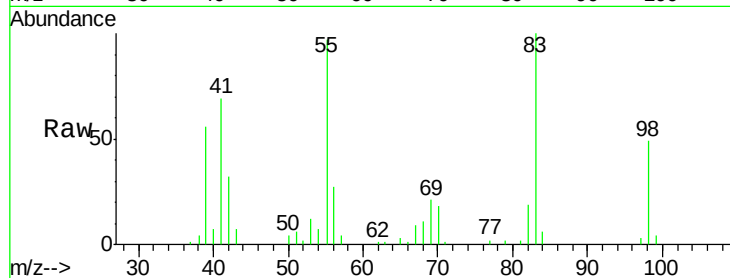
Tgt Ion: 83 Resp: 158212

Ion Ratio Lower Upper

83 100

55 97.4 79.4 119.0

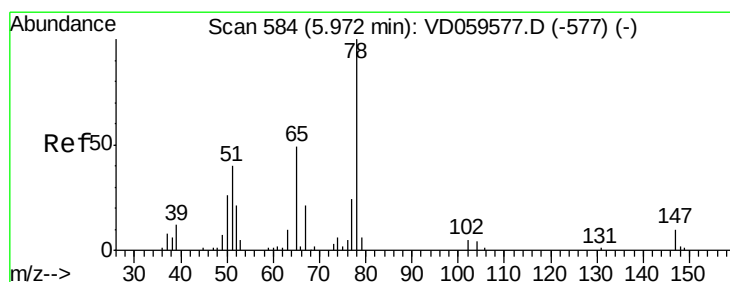
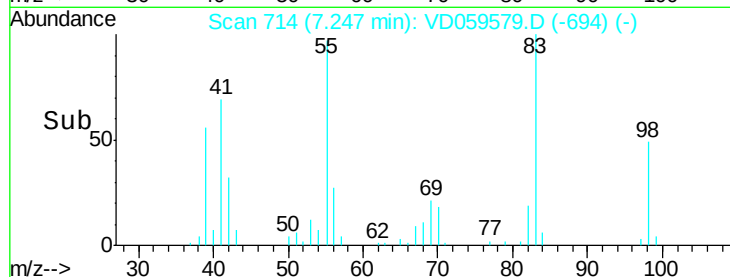
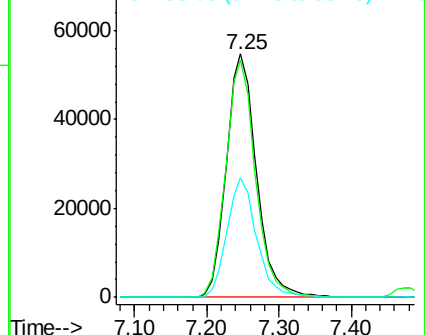
98 48.9 41.6 62.4



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 95.079 ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD059579.D

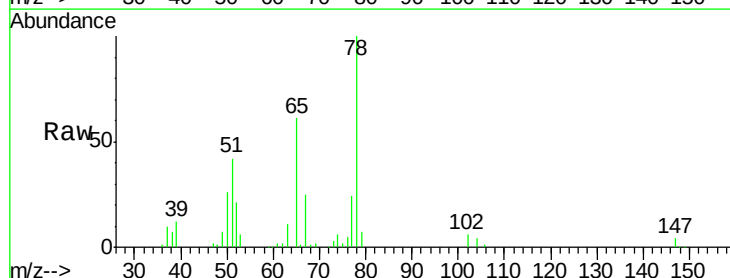
Acq: 24 Jul 2018 19:15

Tgt Ion: 78 Resp: 341371

Ion Ratio Lower Upper

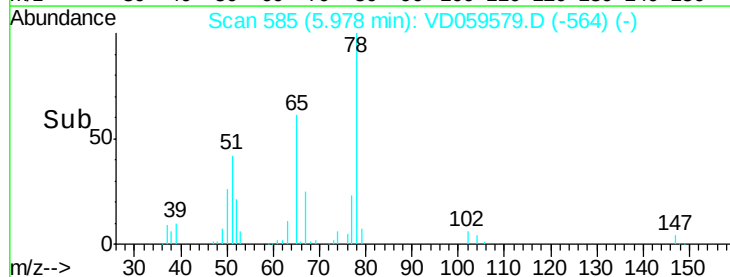
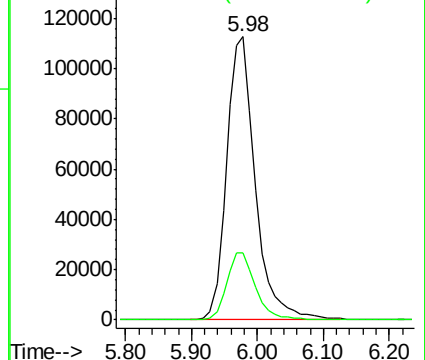
78 100

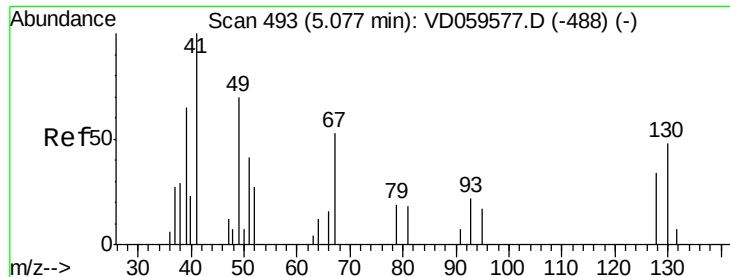
77 23.9 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

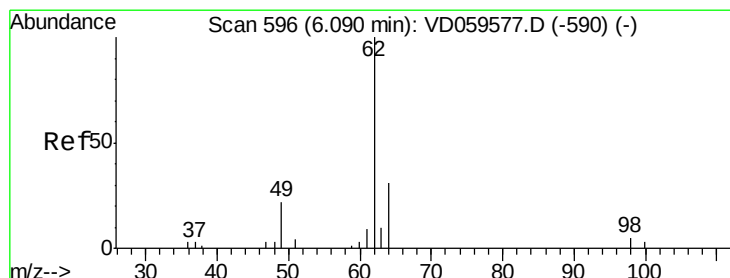
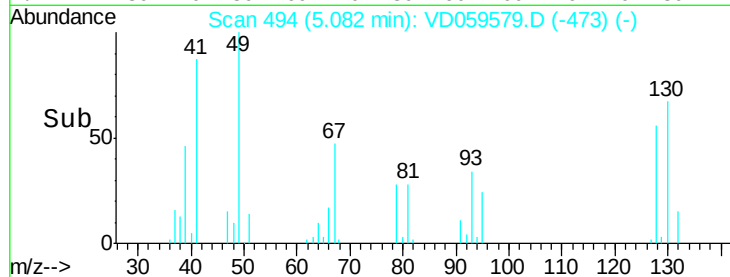
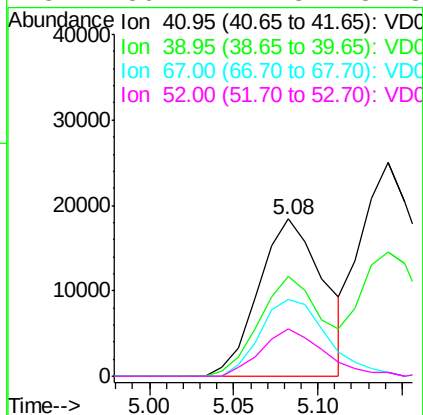
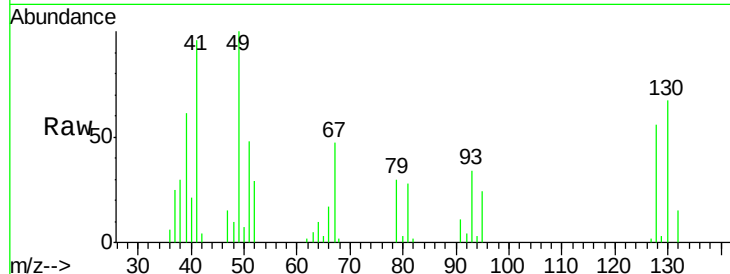




#41
Methacrylonitrile
Concen: 144.012 ug/l
RT: 5.08 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

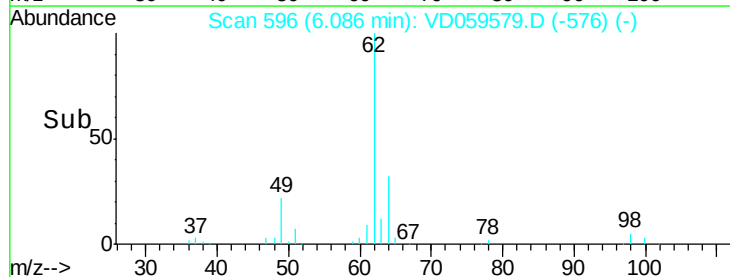
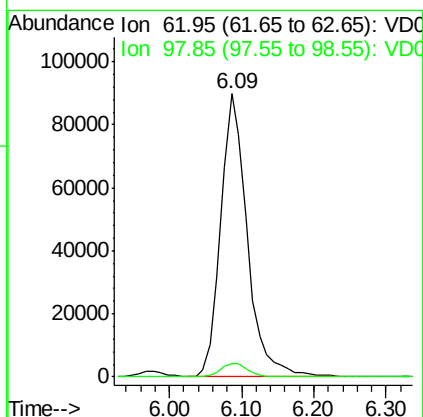
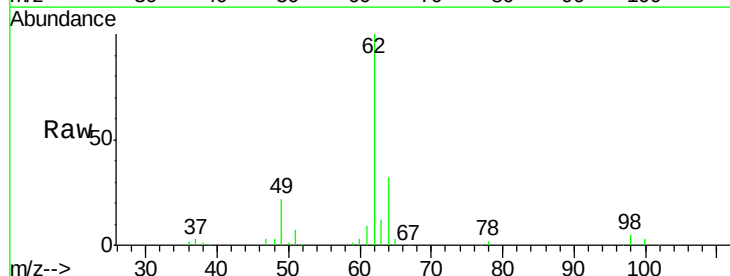
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

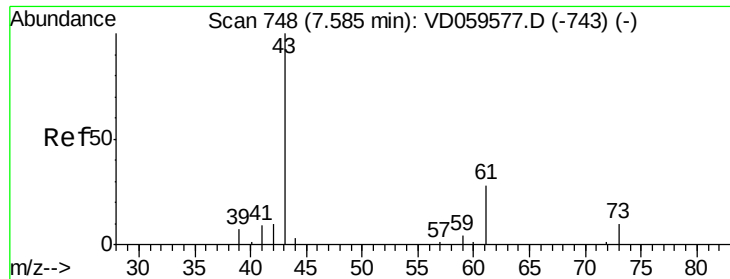
Tgt Ion:	41	Resp:	49341
Ion	Ratio	Lower	Upper
41	100		
39	63.3	52.1	78.1
67	49.2	42.5	63.7
52	30.4	21.8	32.8



#42
1,2-Dichloroethane
Concen: 149.126 ug/l
RT: 6.09 min Scan# 596
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion:	62	Resp:	229622
Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	10.2





#43

Isopropyl Acetate

Concen: 144.440 ug/l

RT: 7.59 min Scan# 749

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

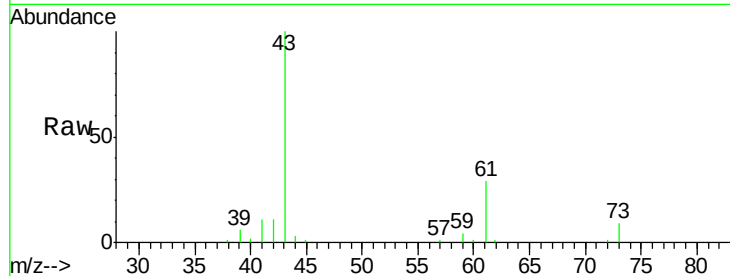
Tgt Ion: 43 Resp: 136210

Ion Ratio Lower Upper

43 100

61 29.3 22.0 33.0

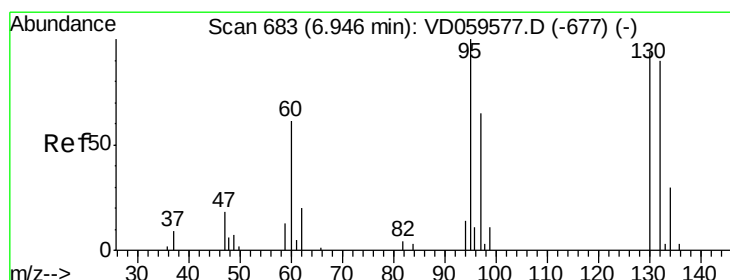
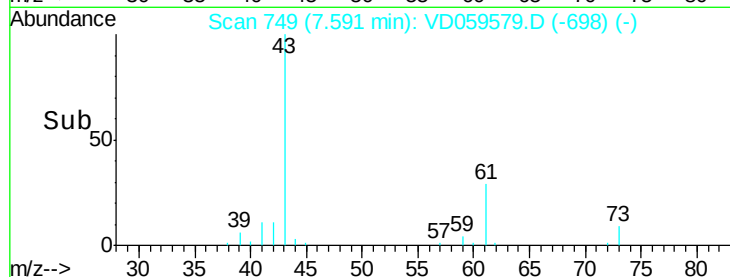
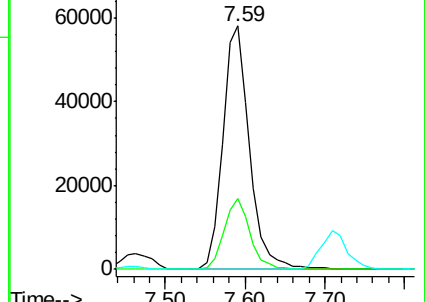
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 84.714 ug/l

RT: 6.94 min Scan# 683

Delta R.T. -0.00 min

Lab File: VD059579.D

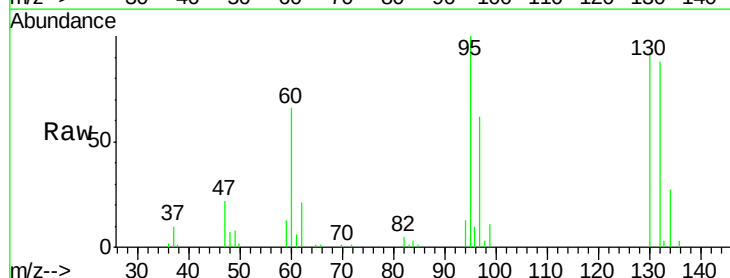
Acq: 24 Jul 2018 19:15

Tgt Ion:130 Resp: 133415

Ion Ratio Lower Upper

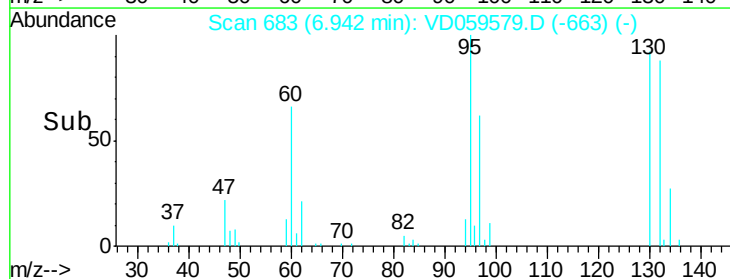
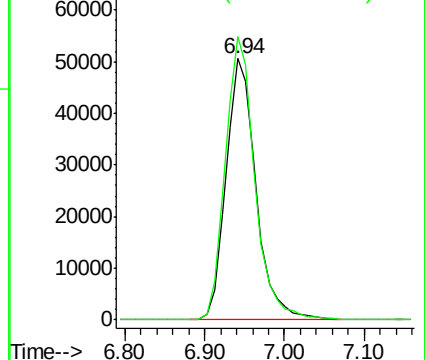
130 100

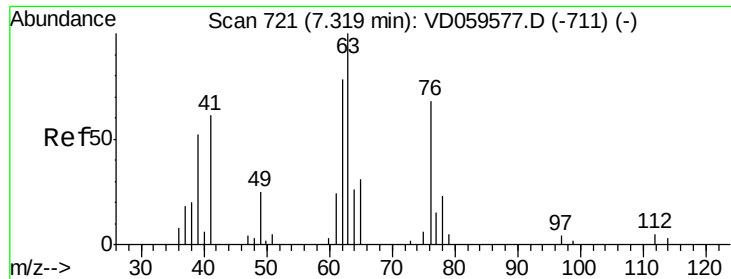
95 108.4 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

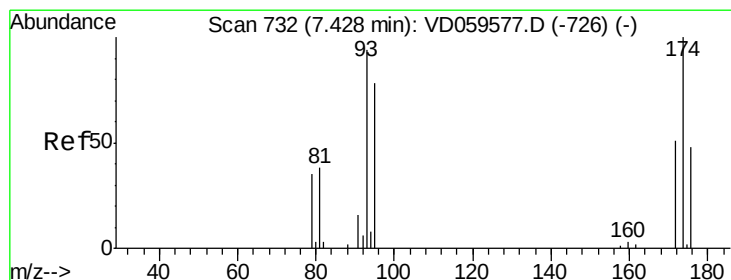
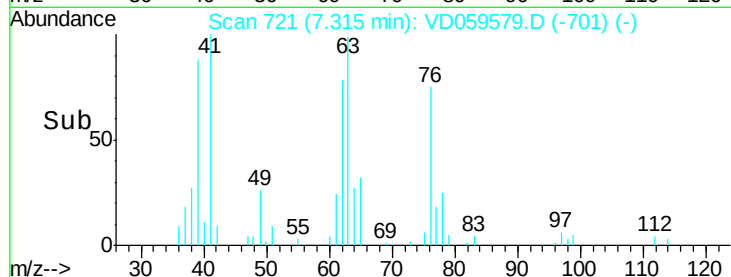
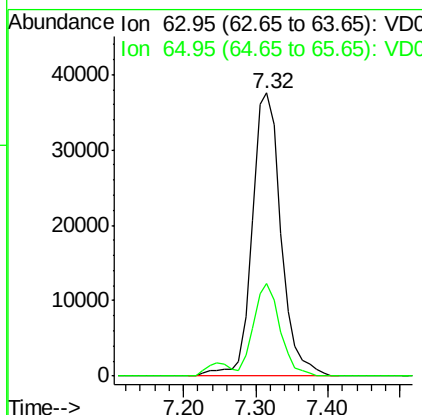
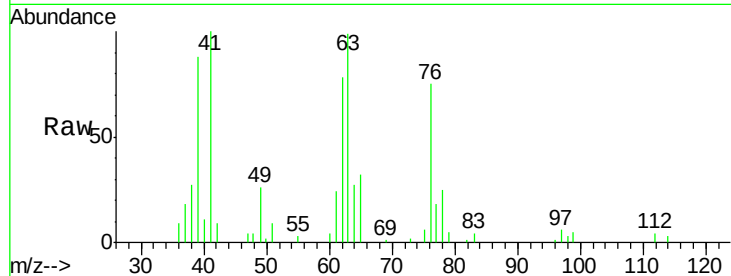




#45
 1,2-Dichloropropane
 Concen: 114.746 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

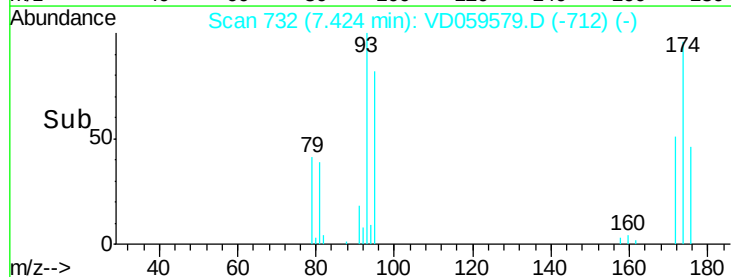
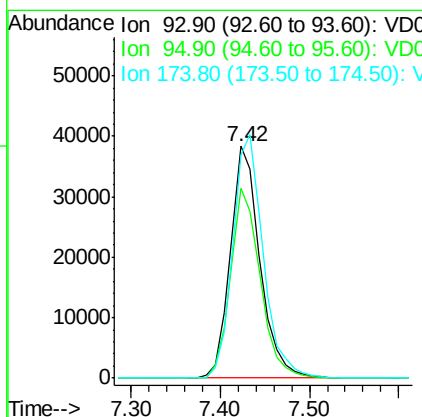
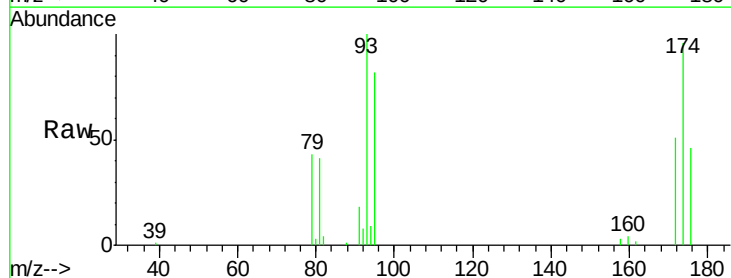
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

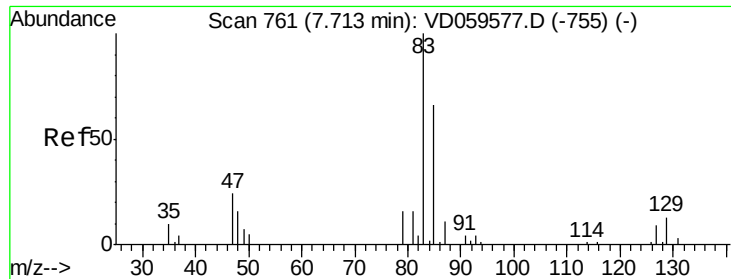
Tgt Ion: 63 Resp: 104695
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.9 37.3



#46
 Dibromomethane
 Concen: 124.992 ug/l
 RT: 7.42 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion: 93 Resp: 89388
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.8 98.8
 174 96.4 84.7 127.1





#47

Bromodichloromethane

Concen: 124.048 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

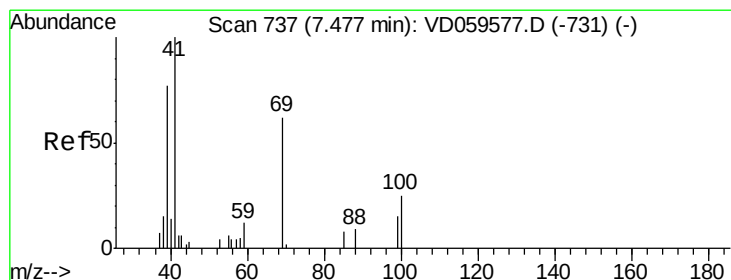
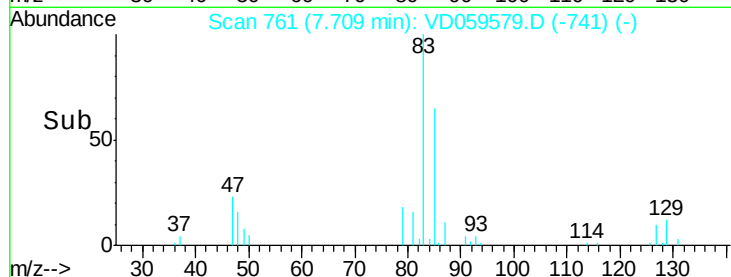
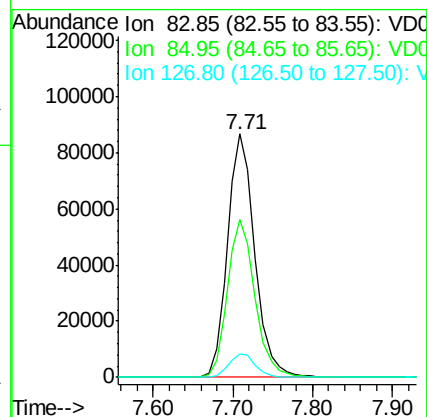
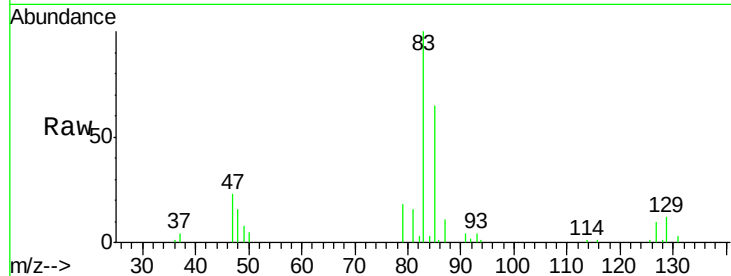
Tgt Ion: 83 Resp: 208267

Ion Ratio Lower Upper

83 100

85 65.0 53.1 79.7

127 9.9 7.4 11.0



#48

Methyl methacrylate

Concen: 139.655 ug/l

RT: 7.47 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

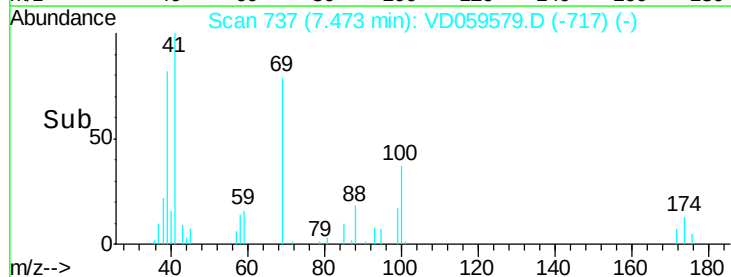
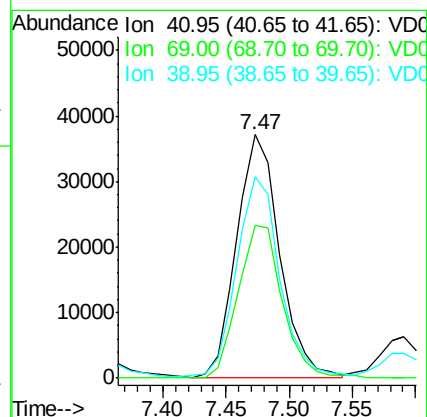
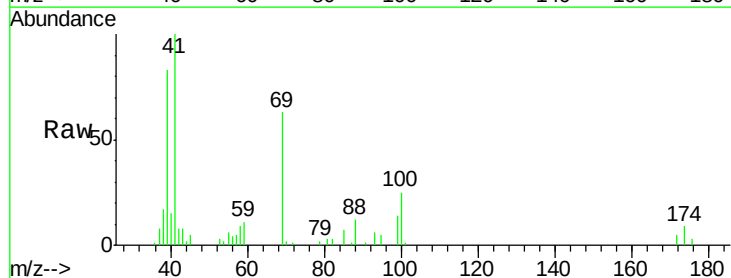
Tgt Ion: 41 Resp: 88195

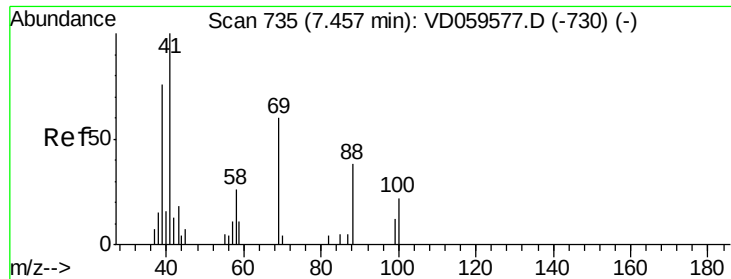
Ion Ratio Lower Upper

41 100

69 62.7 49.4 74.0

39 82.5 61.3 91.9





#49

1,4-Dioxane

Concen: 2552.933 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

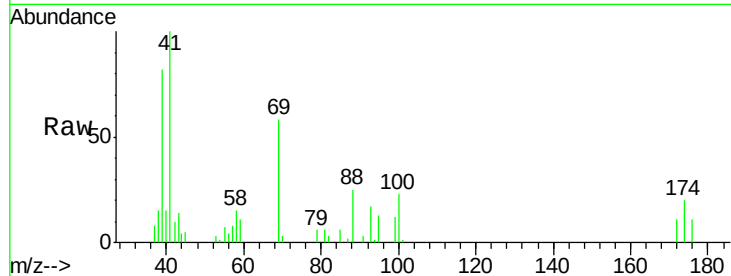
Tgt Ion: 88 Resp: 17138

Ion Ratio Lower Upper

88 100

43 53.2 37.4 56.2

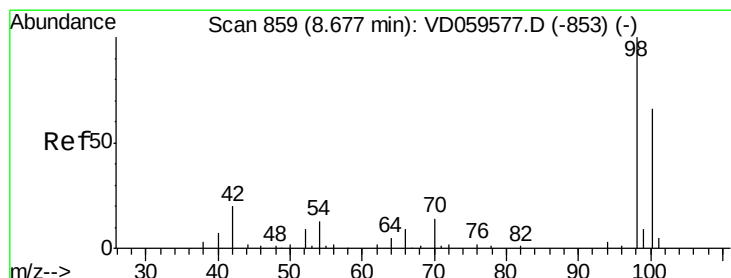
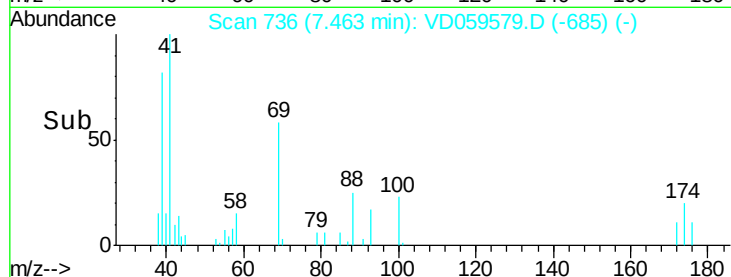
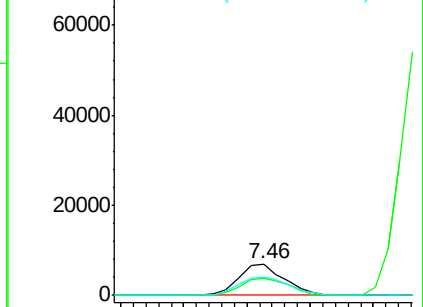
58 57.6 55.6 83.4



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: 2552.933 ug/l

RT: 8.68 min Scan# 860

Delta R.T. 0.01 min

Lab File: VD059579.D

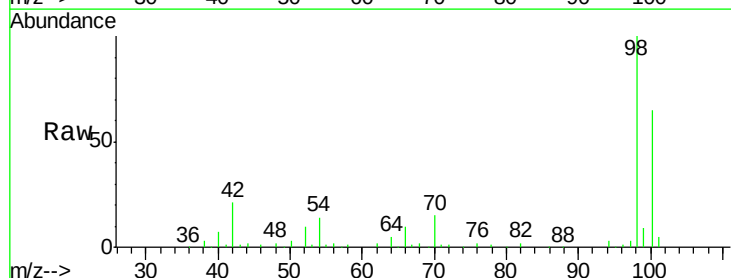
Acq: 24 Jul 2018 19:15

Tgt Ion: 98 Resp: 330082

Ion Ratio Lower Upper

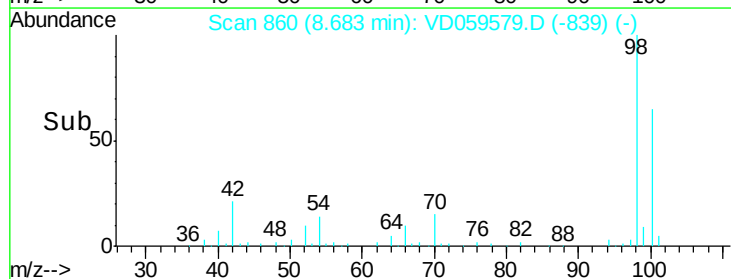
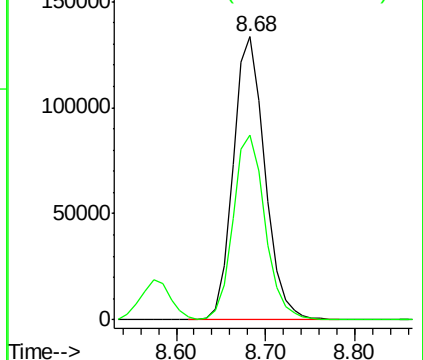
98 100

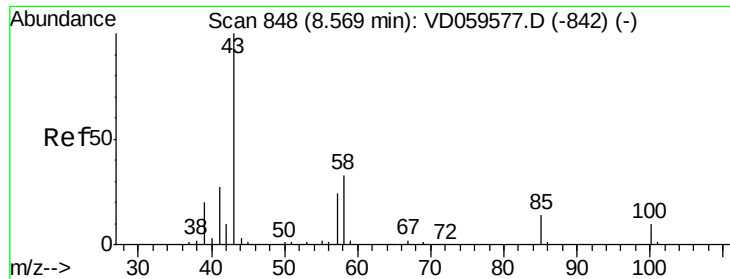
100 65.1 53.2 79.8



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: 660.782 ug/l

RT: 8.57 min Scan# 849

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

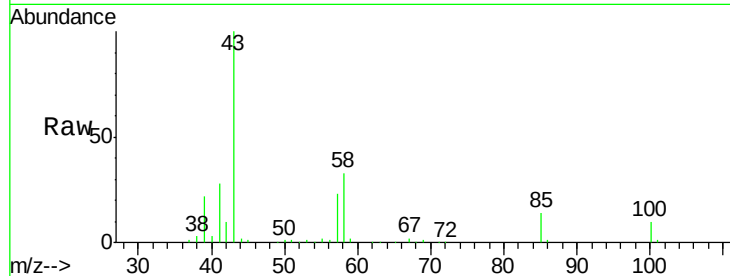
VSTDIC100

Tgt Ion: 43 Resp: 418171

Ion Ratio Lower Upper

43 100

58 33.1 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.57

200000

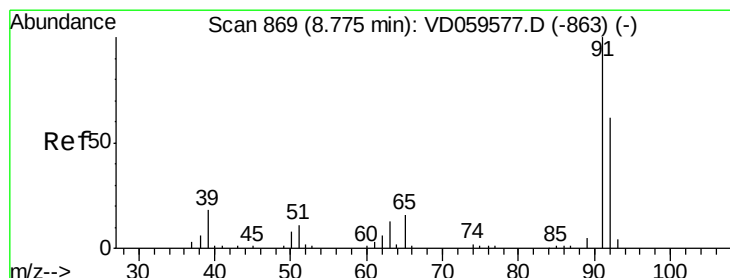
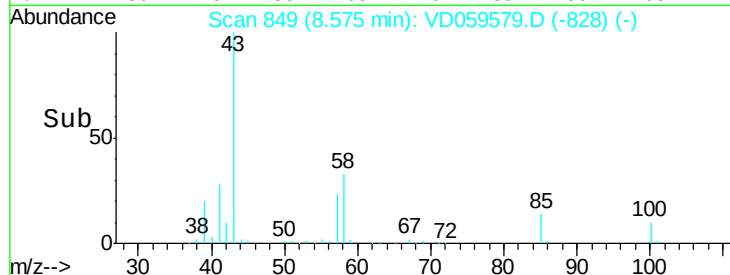
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 97.060 ug/l

RT: 8.77 min Scan# 869

Delta R.T. -0.00 min

Lab File: VD059579.D

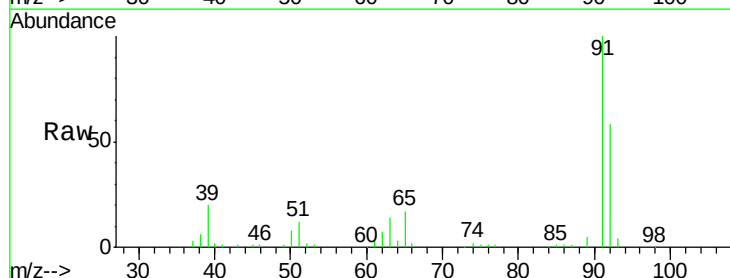
Acq: 24 Jul 2018 19:15

Tgt Ion: 92 Resp: 223971

Ion Ratio Lower Upper

92 100

91 171.0 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.77

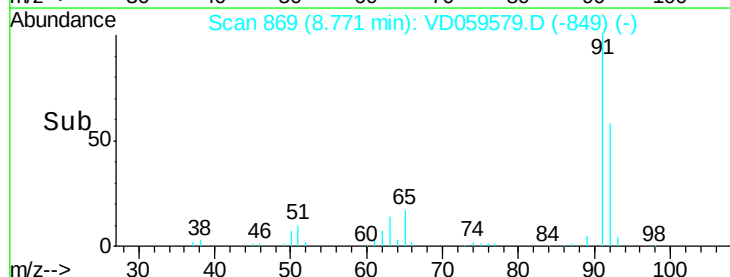
150000

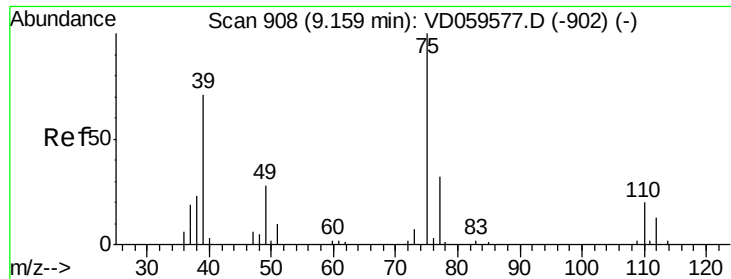
100000

50000

0

Time-->

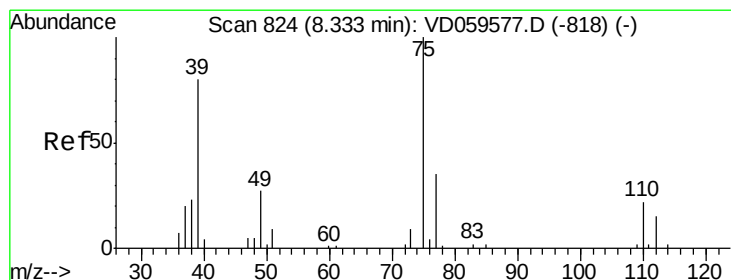
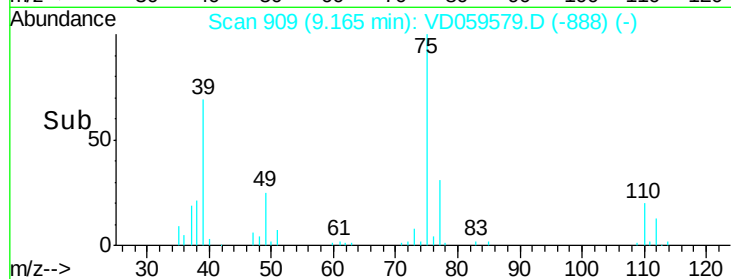
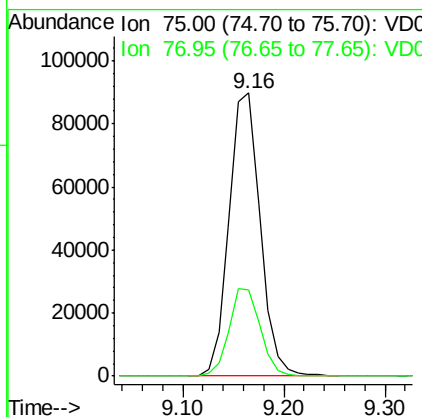
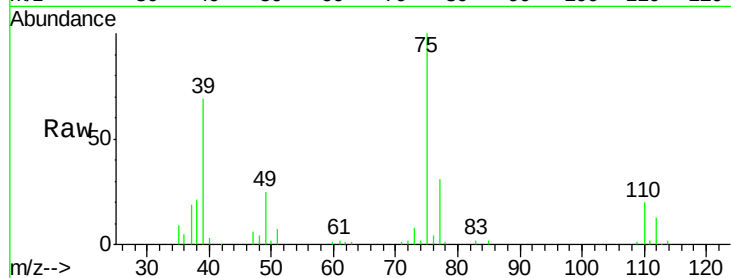




#53
t-1,3-Dichloropropene
Concen: 143.570 ug/l
RT: 9.16 min Scan# 909
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

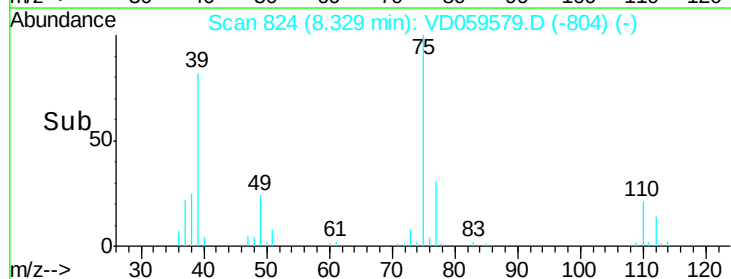
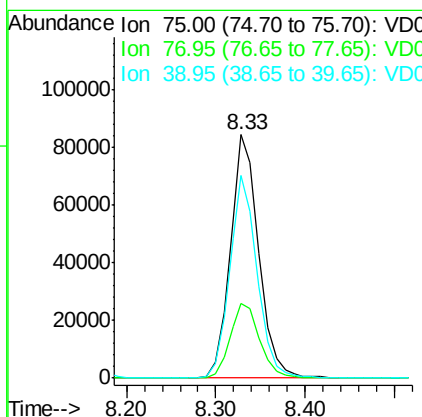
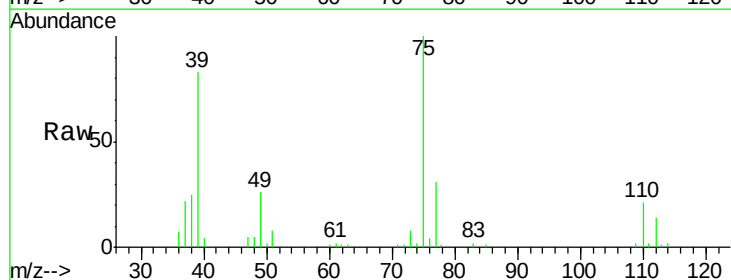
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

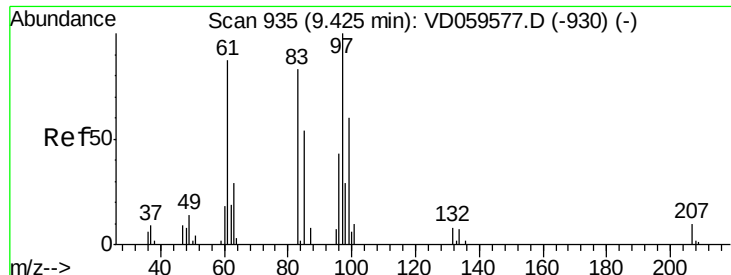
Tgt Ion: 75 Resp: 192519
Ion Ratio Lower Upper
75 100
77 30.5 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 126.721 ug/l
RT: 8.33 min Scan# 824
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 75 Resp: 186809
Ion Ratio Lower Upper
75 100
77 30.9 27.7 41.5
39 83.1 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 105.811 ug/l

RT: 9.43 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 88152

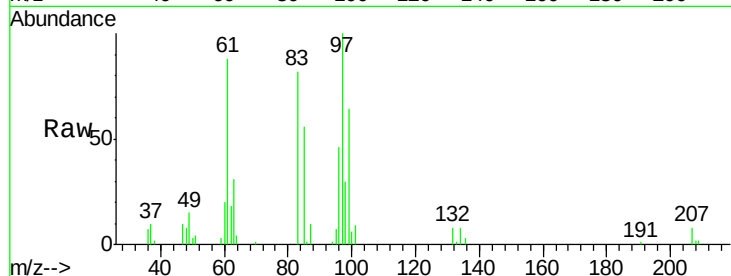
Ion Ratio Lower Upper

97 100

83 81.7 66.3 99.5

85 56.5 43.0 64.6

99 63.6 47.7 71.5

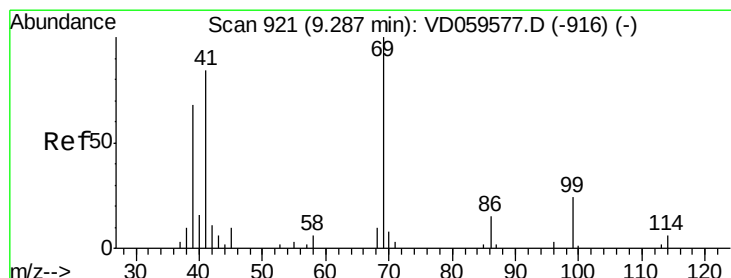
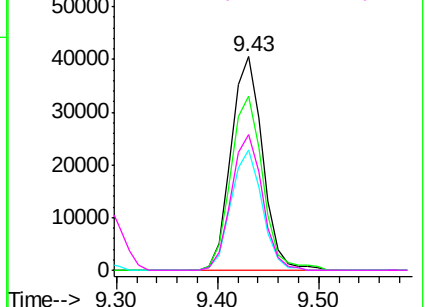
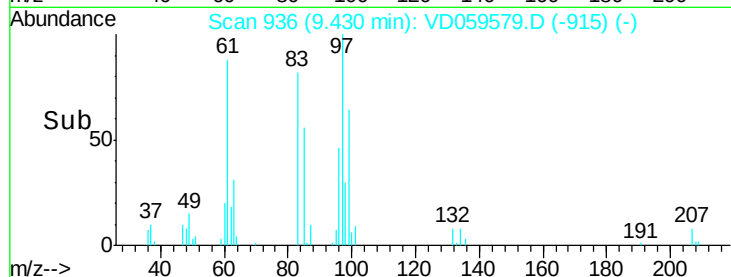


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 122.358 ug/l

RT: 9.29 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

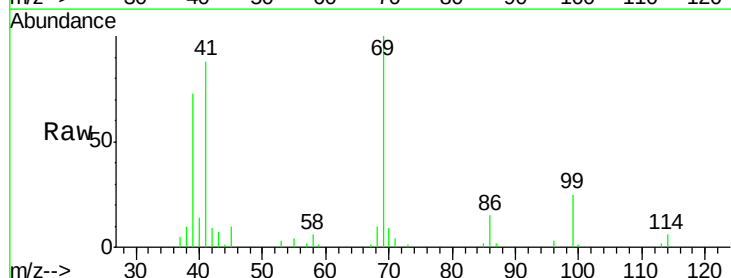
Tgt Ion: 69 Resp: 110785

Ion Ratio Lower Upper

69 100

41 87.9 66.8 100.2

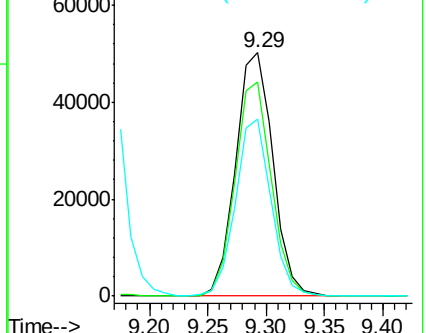
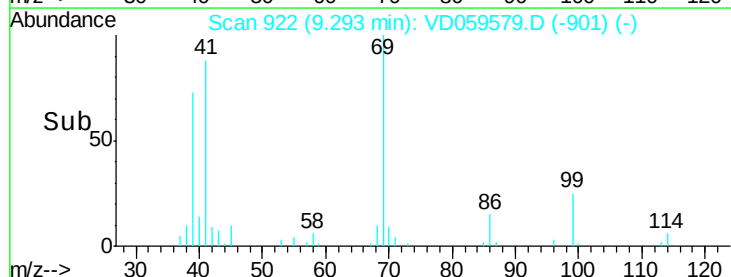
39 72.7 54.7 82.1

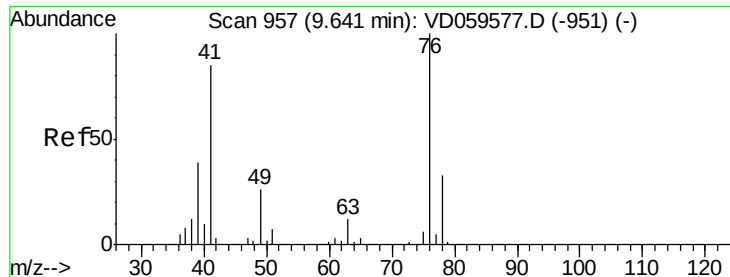


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

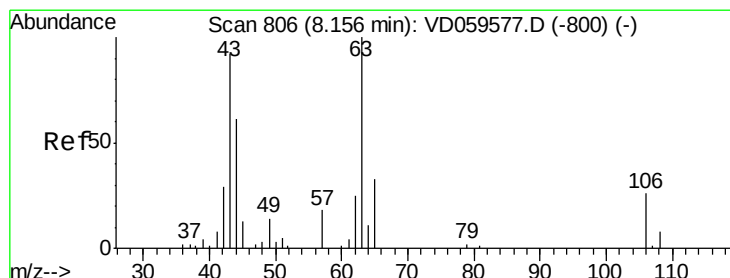
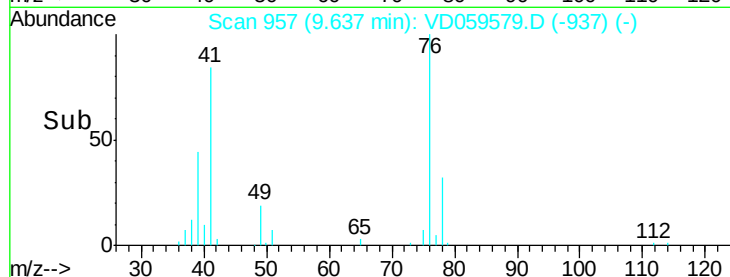
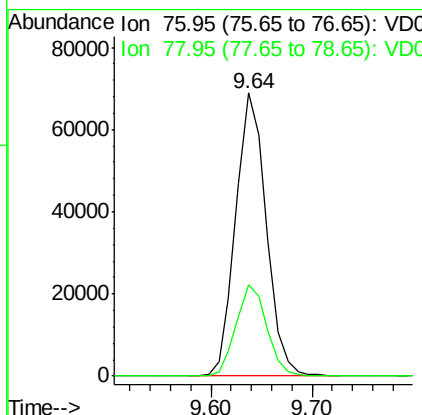
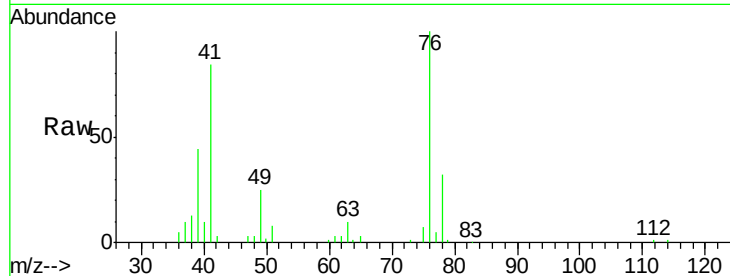




#57
 1,3-Dichloropropane
 Concen: 112.572 ug/l
 RT: 9.64 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

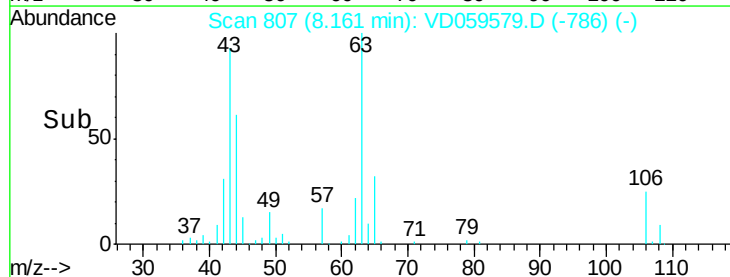
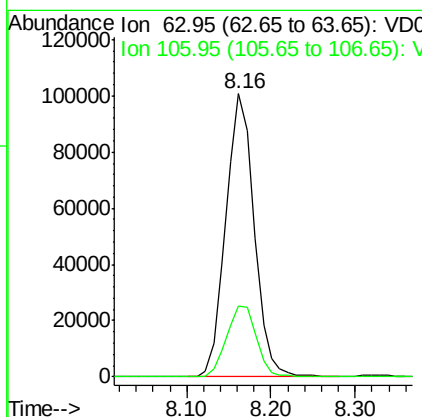
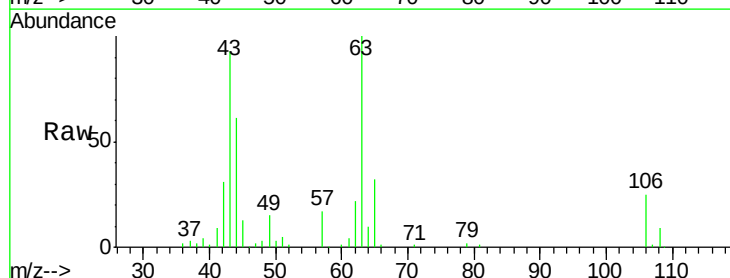
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

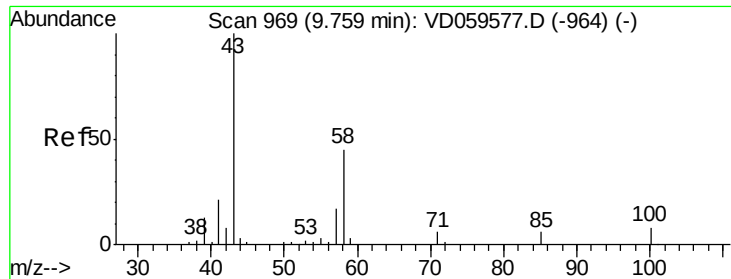
Tgt Ion: 76 Resp: 145564
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 574.720 ug/l
 RT: 8.16 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion: 63 Resp: 235925
 Ion Ratio Lower Upper
 63 100
 106 25.1 21.0 31.6

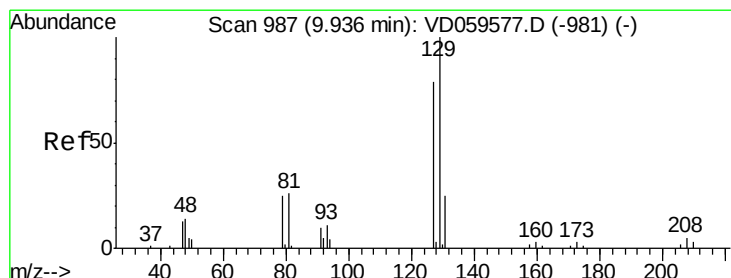
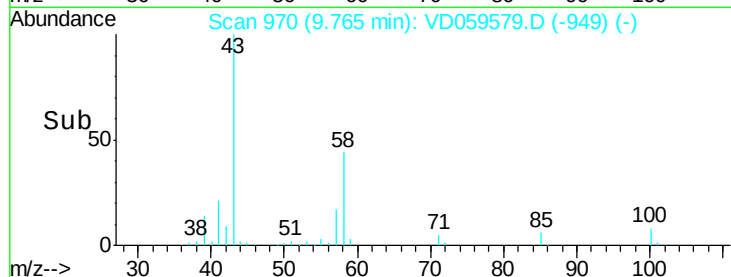
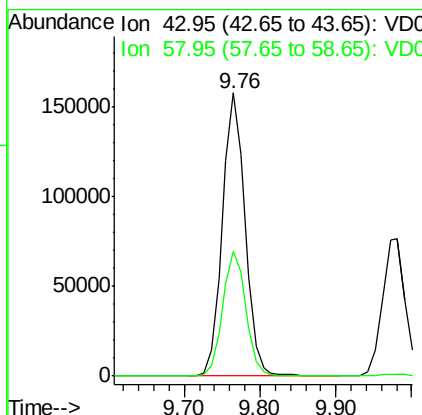
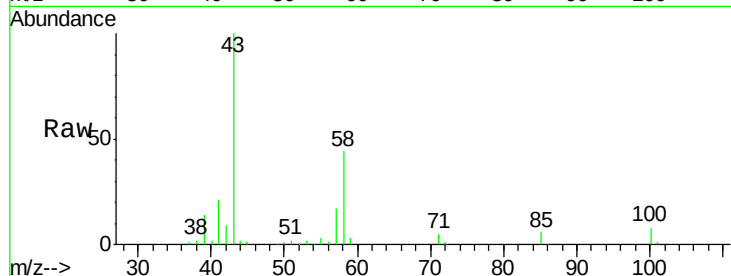




#59
2-Hexanone
Concen: 721.910 ug/l
RT: 9.76 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

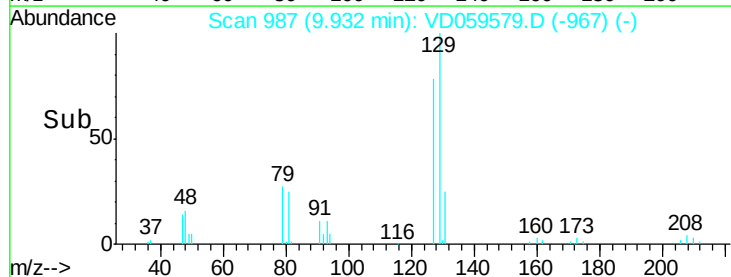
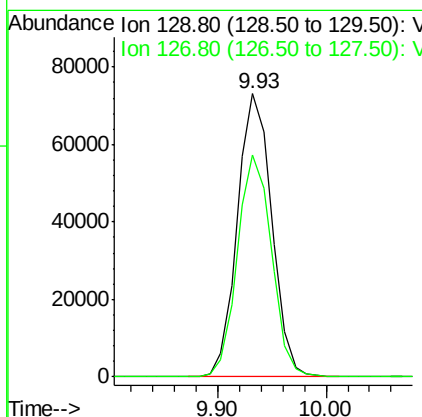
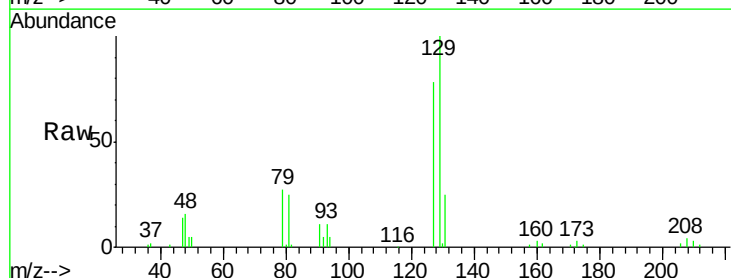
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

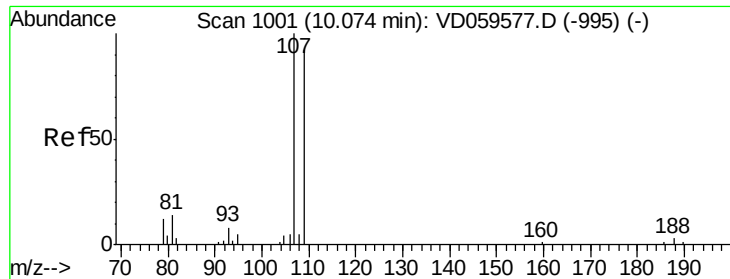
Tgt Ion: 43 Resp: 327938
Ion Ratio Lower Upper
43 100
58 43.8 22.7 68.1



#60
Dibromochloromethane
Concen: 107.993 ug/l
RT: 9.93 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 129 Resp: 161445
Ion Ratio Lower Upper
129 100
127 78.4 39.3 117.9





#61

1,2-Dibromoethane

Concen: 111.770 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

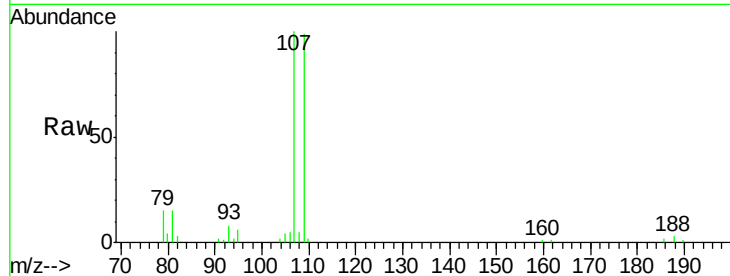
VSTDIC100

Tgt Ion:107 Resp: 109572

Ion Ratio Lower Upper

107 100

109 98.9 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.07

60000

50000

40000

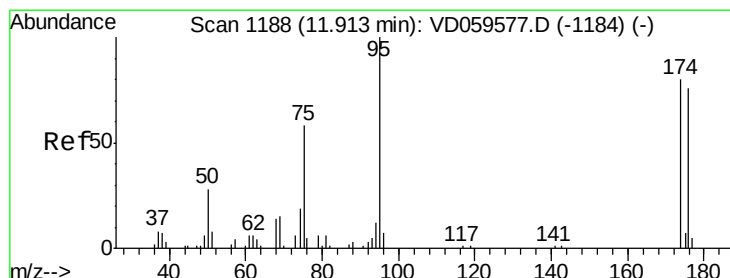
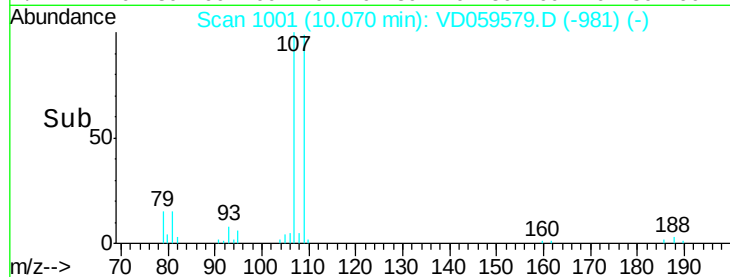
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 111.770 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

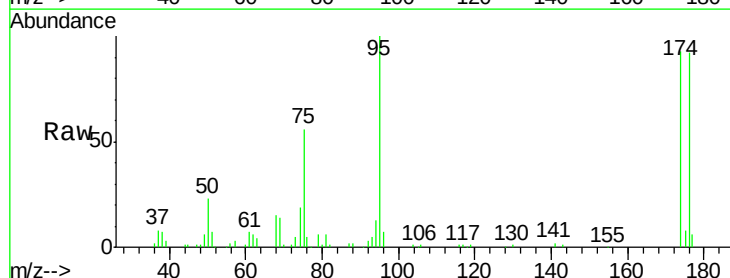
Tgt Ion: 95 Resp: 152467

Ion Ratio Lower Upper

95 100

174 92.8 0.0 160.6

176 92.0 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

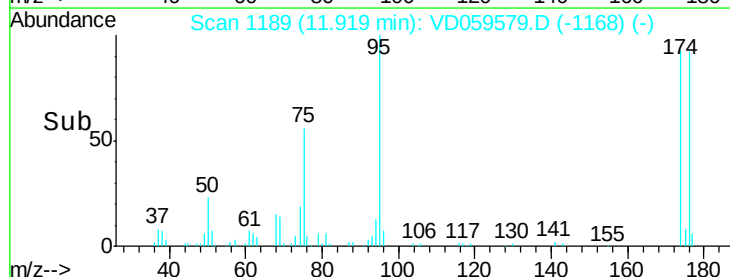
11.92

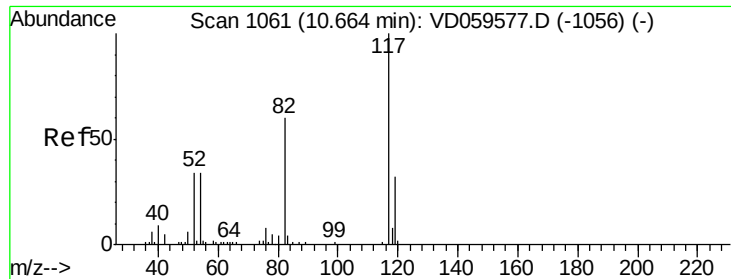
100000

50000

0

Time-->

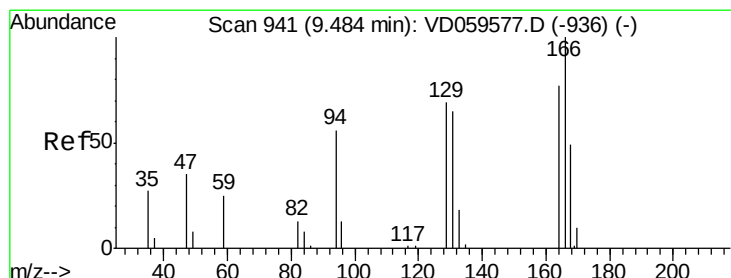
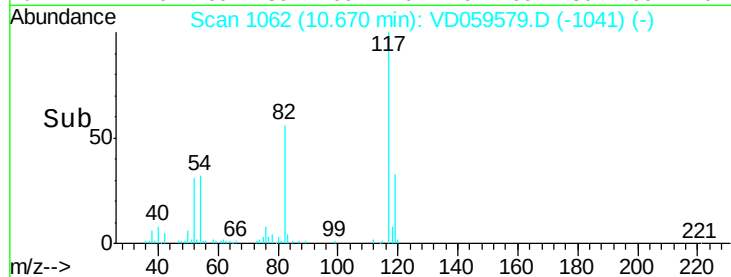
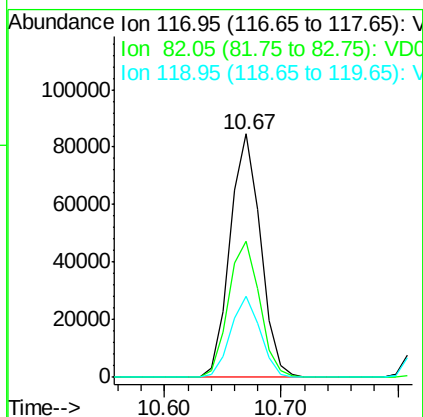
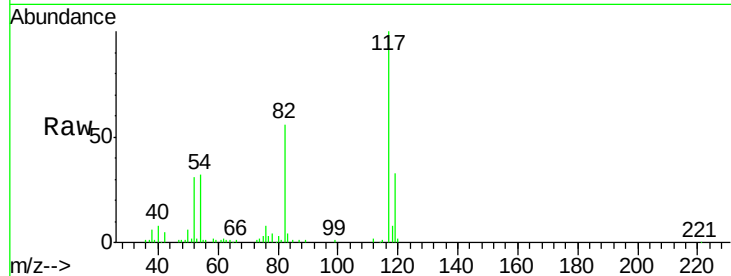




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

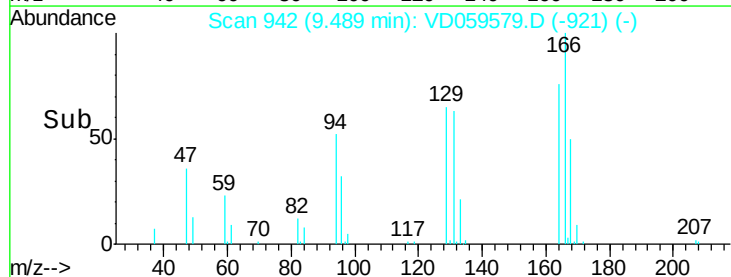
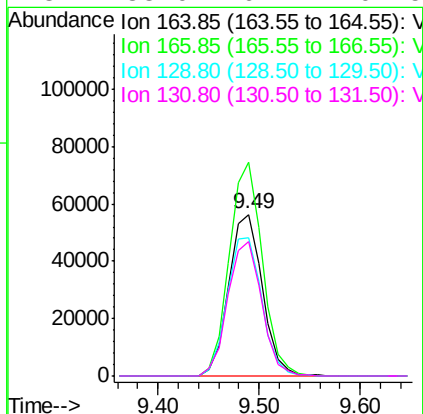
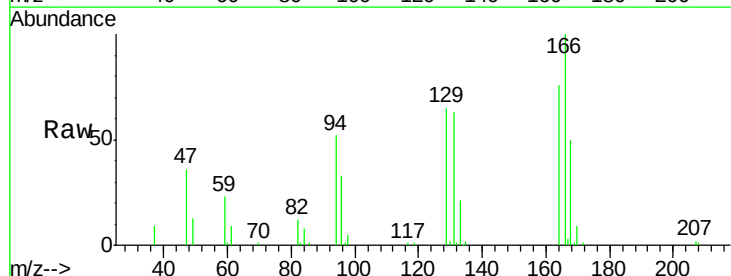
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

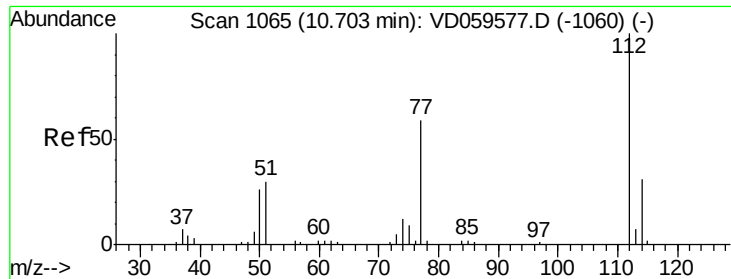
Tgt Ion:117 Resp: 153441
Ion Ratio Lower Upper
117 100
82 56.0 48.2 72.2
119 33.0 25.4 38.2



#64
Tetrachloroethene
Concen: 63.128 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion:164 Resp: 129914
Ion Ratio Lower Upper
164 100
166 132.1 104.0 156.0
129 85.4 72.2 108.4
131 83.0 67.7 101.5

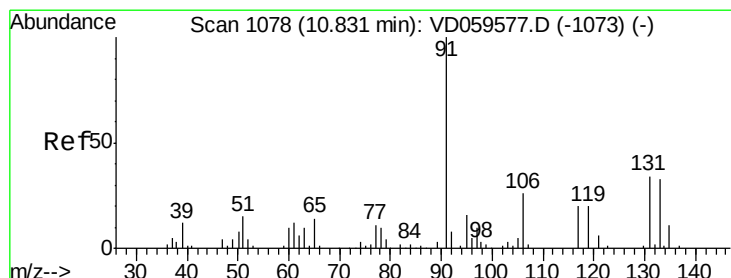
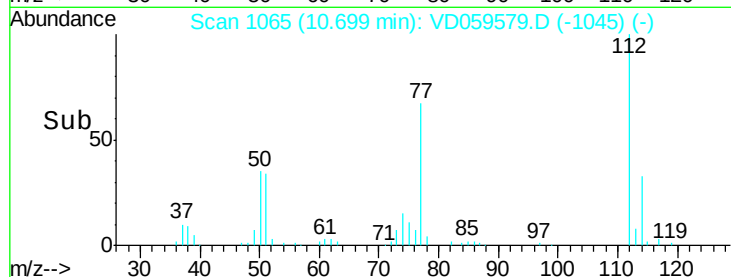
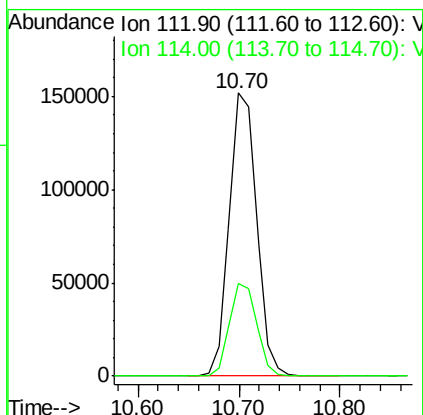
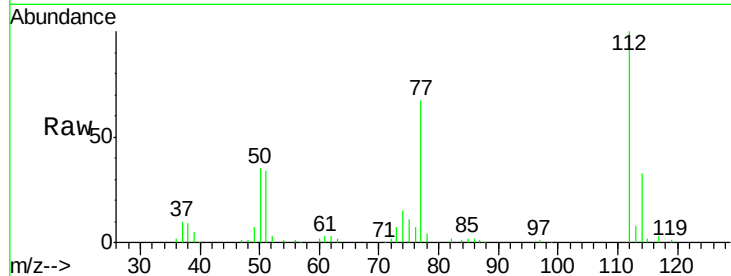




#65
Chlorobenzene
Concen: 94.895 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

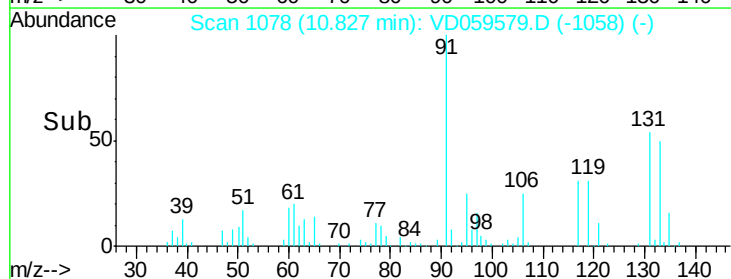
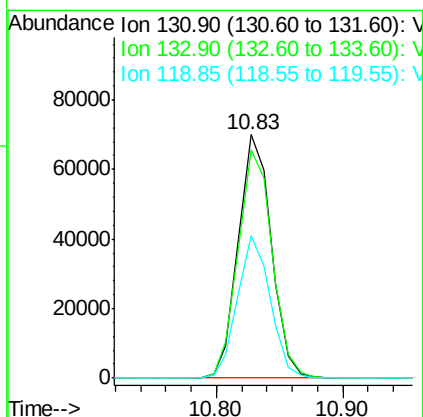
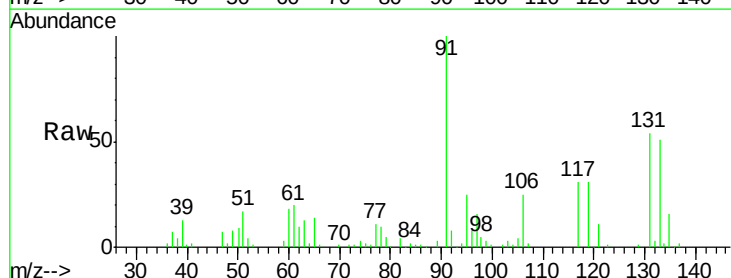
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

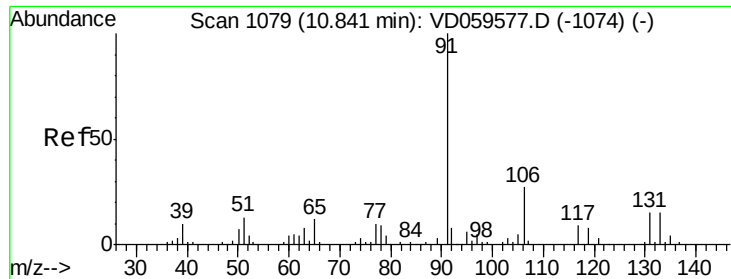
Tgt Ion:112 Resp: 286772
Ion Ratio Lower Upper
112 100
114 32.9 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 98.856 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion:131 Resp: 127271
Ion Ratio Lower Upper
131 100
133 94.0 47.9 143.7
119 58.4 28.7 86.1

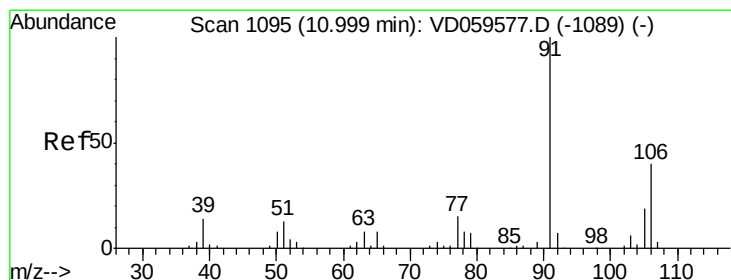
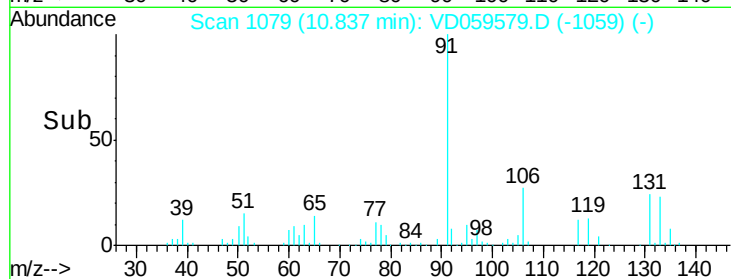
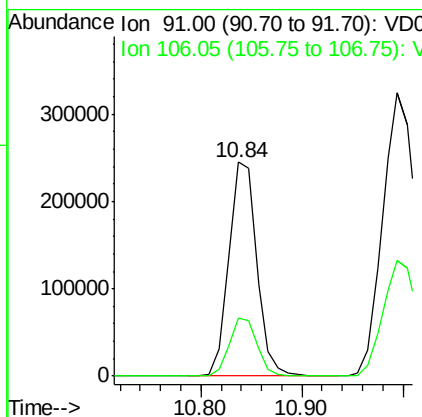
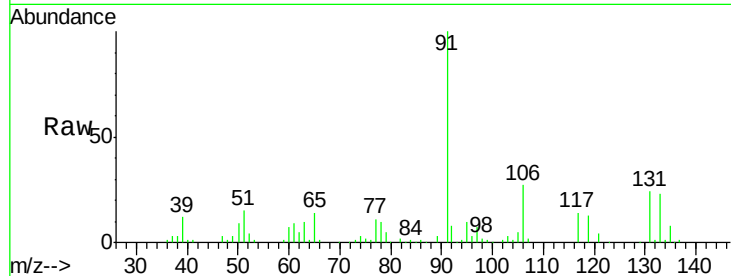




#67
Ethyl Benzene
Concen: 104.064 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

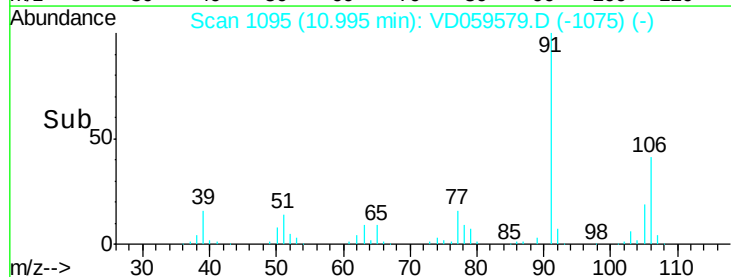
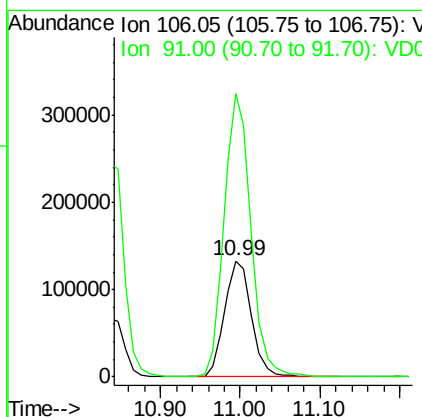
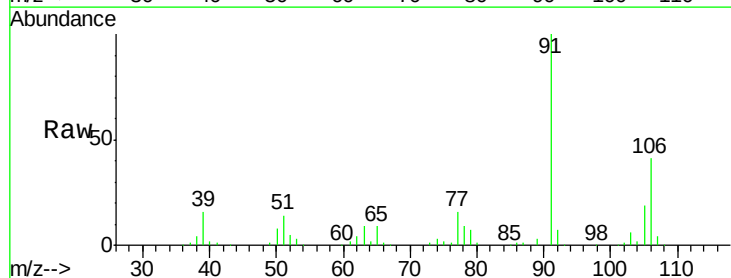
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

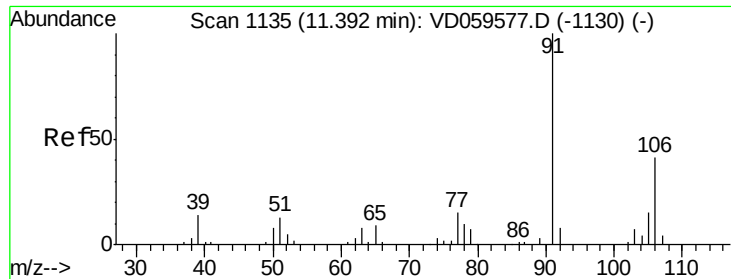
Tgt Ion: 91 Resp: 470490
Ion Ratio Lower Upper
91 100
106 27.5 21.6 32.4



#68
m/p-Xylenes
Concen: 191.853 ug/l
RT: 10.99 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion: 106 Resp: 316519
Ion Ratio Lower Upper
106 100
91 244.4 198.2 297.4

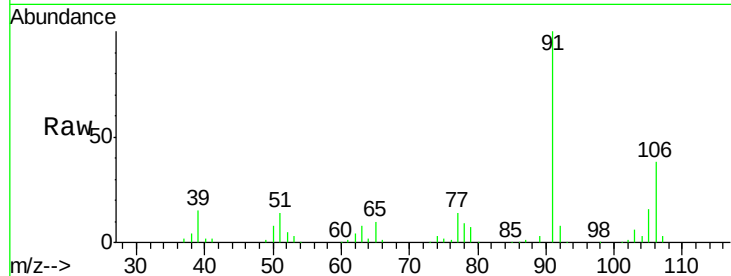




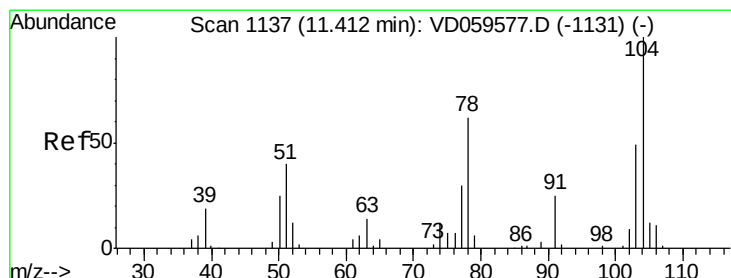
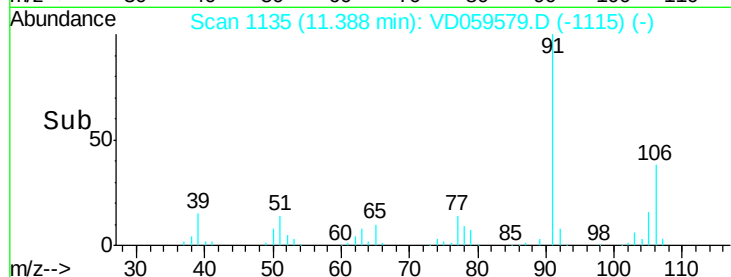
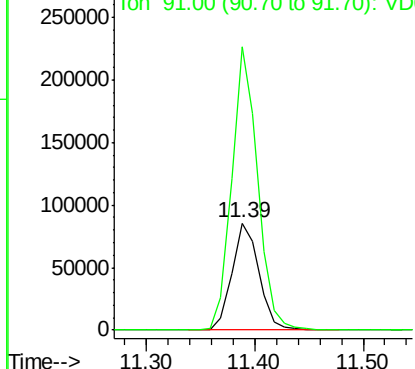
#69
o-Xylene
Concen: 92.464 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 148420
Ion Ratio Lower Upper
106 100
91 265.0 122.7 368.1

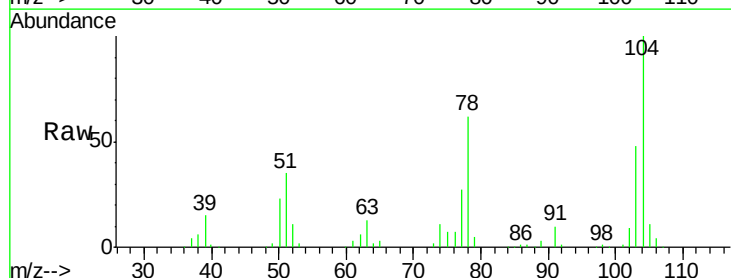


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

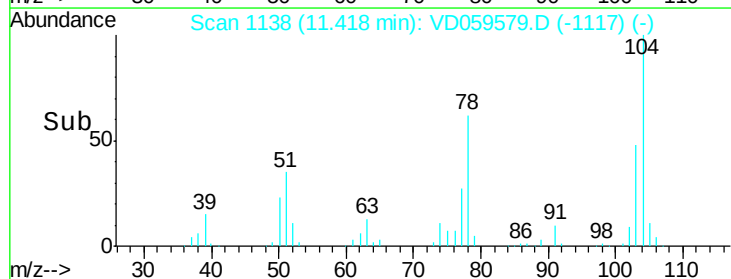
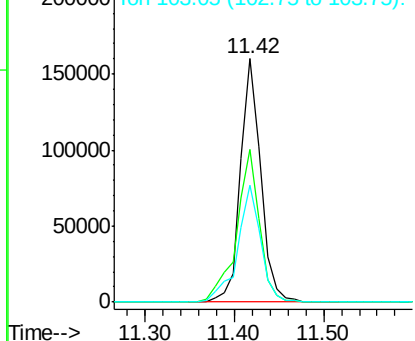


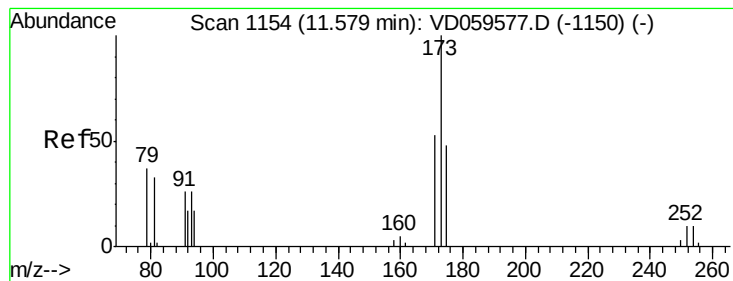
#70
Styrene
Concen: 95.711 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059579.D
Acq: 24 Jul 2018 19:15

Tgt Ion:104 Resp: 253871
Ion Ratio Lower Upper
104 100
78 62.5 49.4 74.0
103 48.0 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: 96.071 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

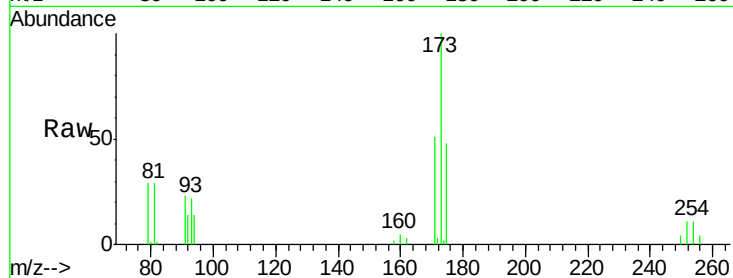
Tgt Ion:173 Resp: 114098

Ion Ratio Lower Upper

173 100

175 47.9 23.8 71.4

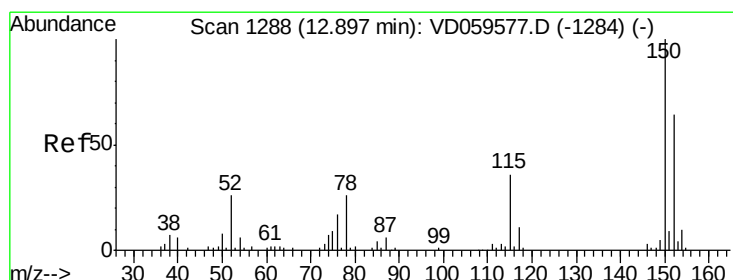
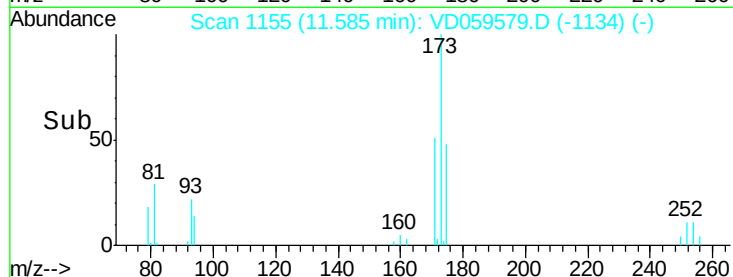
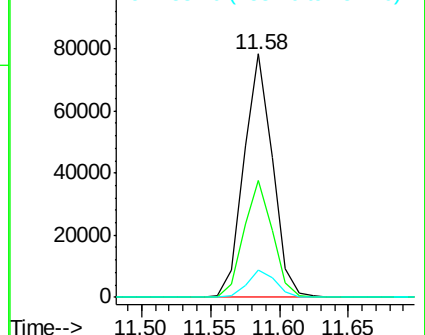
254 11.0 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.89 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

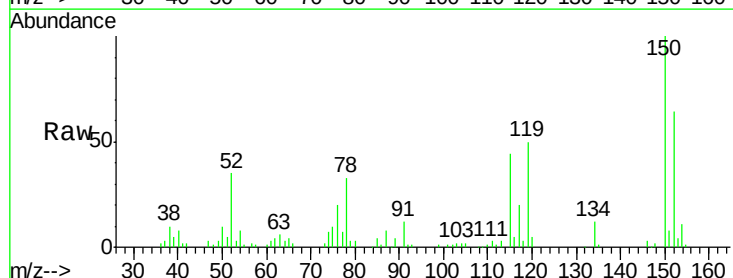
Tgt Ion:152 Resp: 73036

Ion Ratio Lower Upper

152 100

115 69.8 29.5 88.6

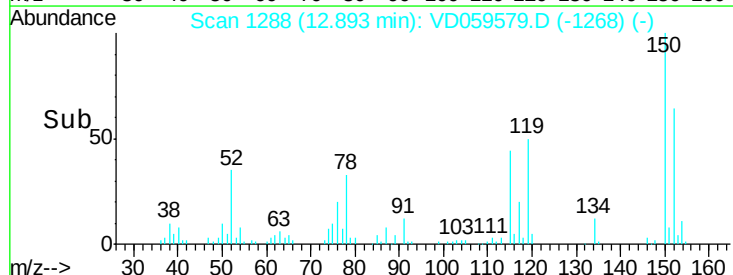
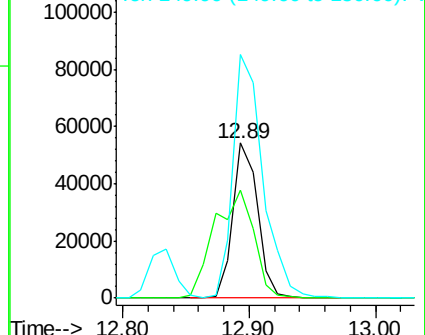
150 157.2 0.0 314.4

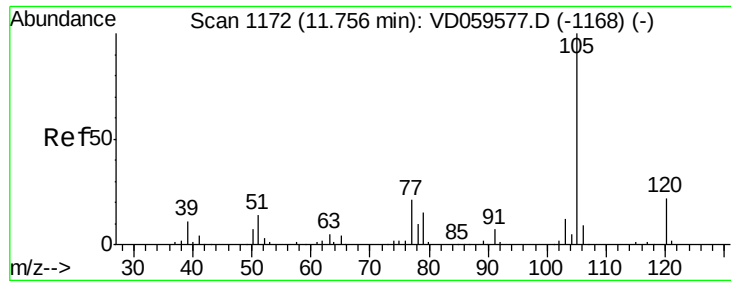


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 123.062 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

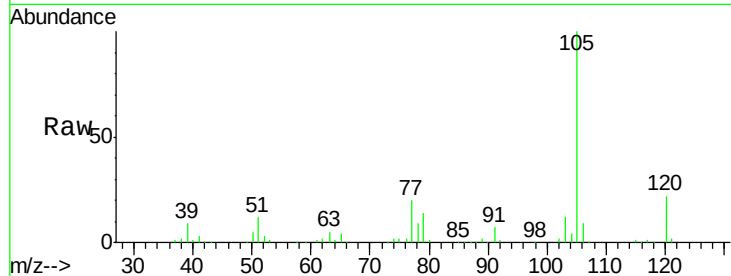
VSTDIC100

Tgt Ion: 105 Resp: 481625

Ion Ratio Lower Upper

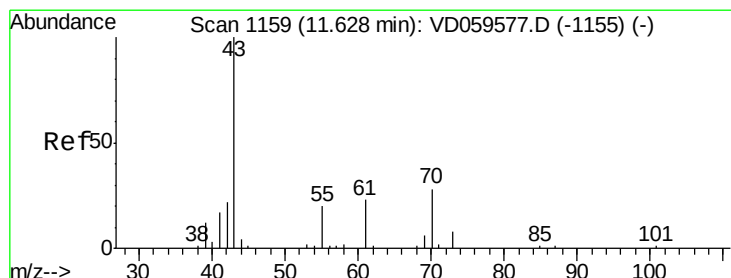
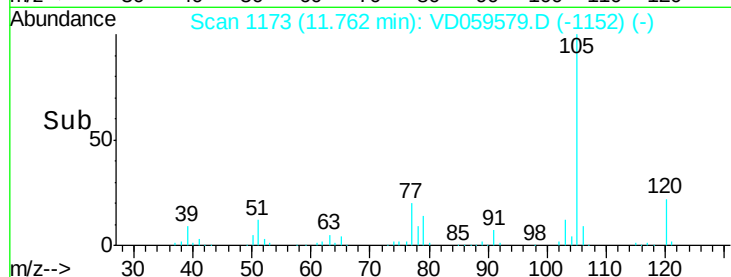
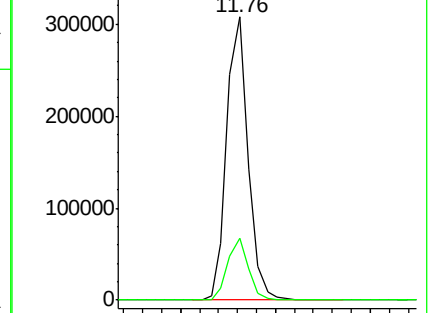
105 100

120 22.0 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-amil acetate

Concen: 171.556 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Tgt Ion: 43 Resp: 179544

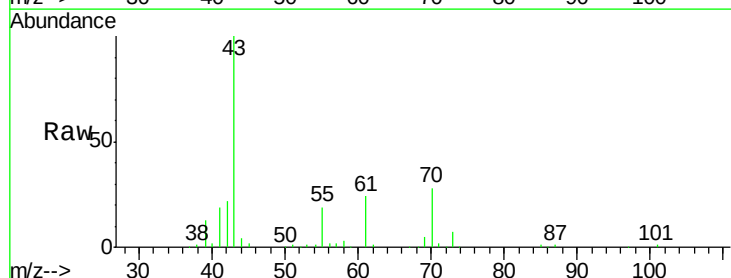
Ion Ratio Lower Upper

43 100

70 28.2 22.0 33.0

55 18.9 16.2 24.2

61 23.6 18.6 27.8

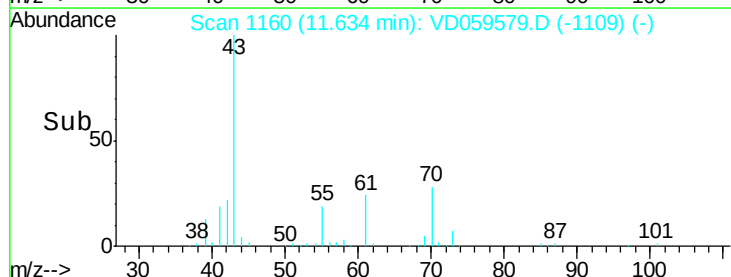
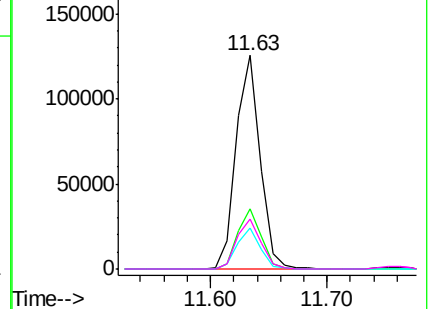


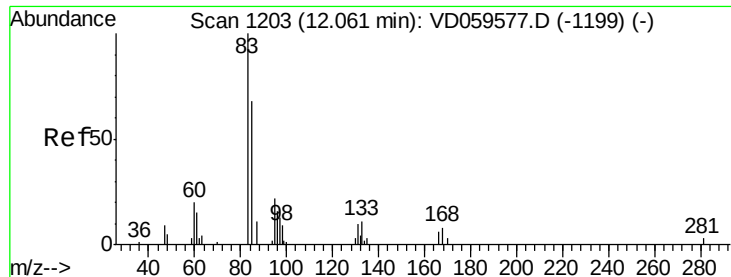
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 131.826 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

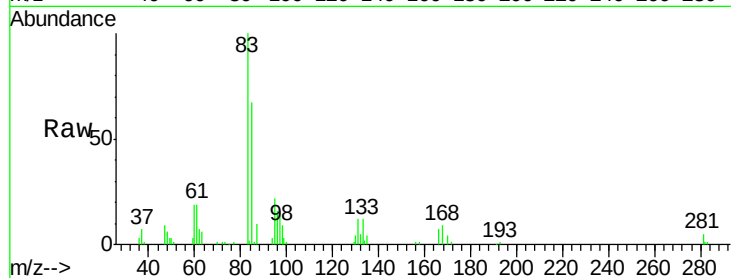
Tgt Ion: 83 Resp: 103960

Ion Ratio Lower Upper

83 100

131 12.0 5.1 15.2

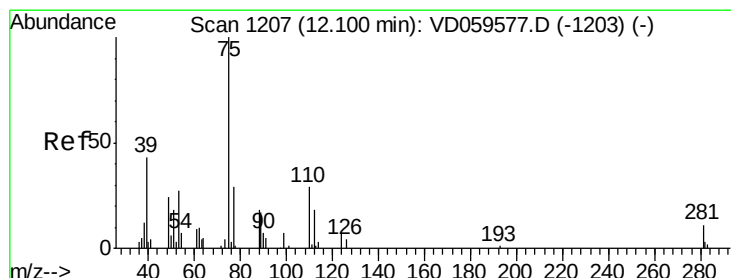
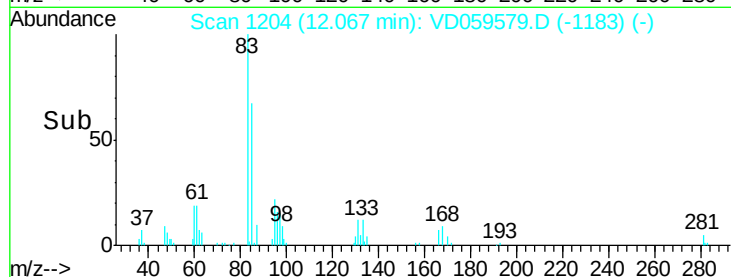
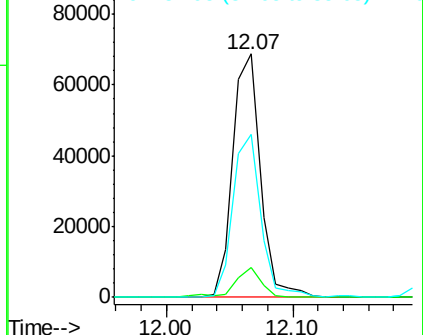
85 67.0 34.1 102.3



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: 143.805 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059579.D

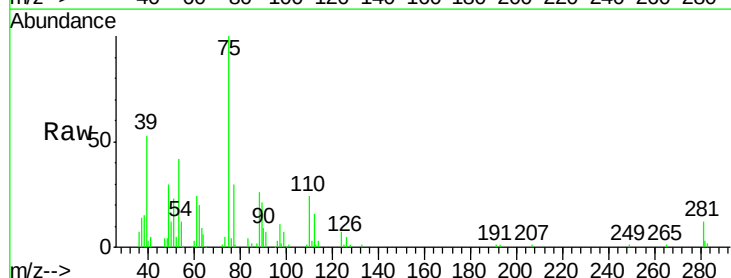
Acq: 24 Jul 2018 19:15

Tgt Ion: 75 Resp: 116891

Ion Ratio Lower Upper

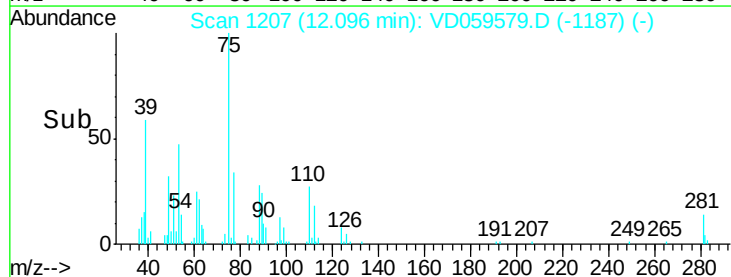
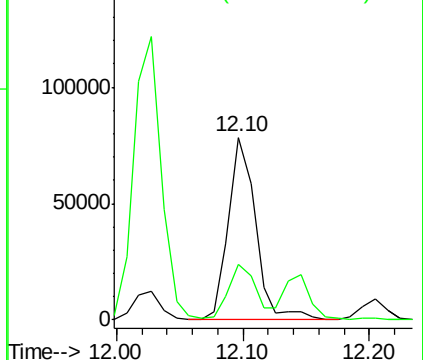
75 100

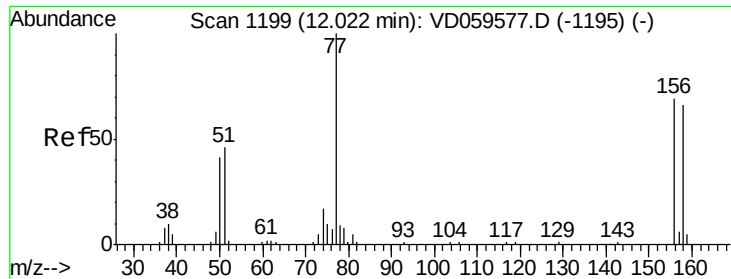
77 30.3 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 92.386 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

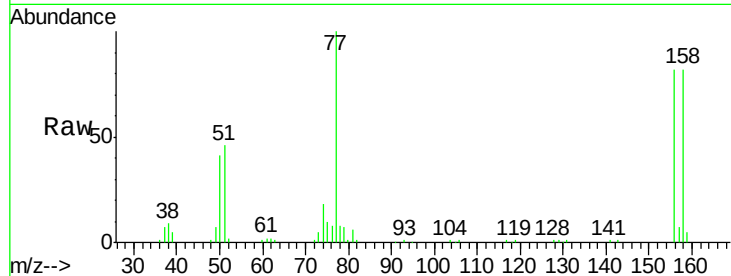
Tgt Ion:156 Resp: 141246

Ion Ratio Lower Upper

156 100

77 122.1 72.4 217.2

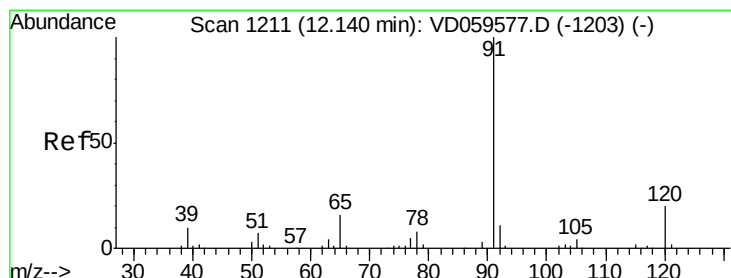
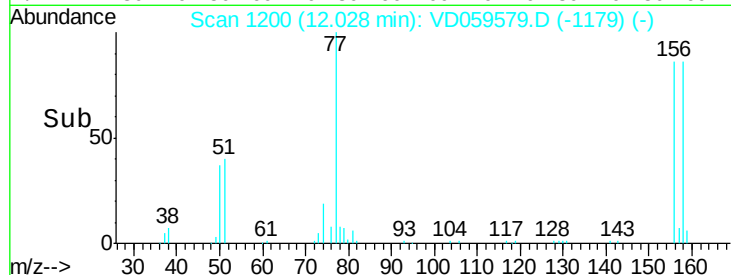
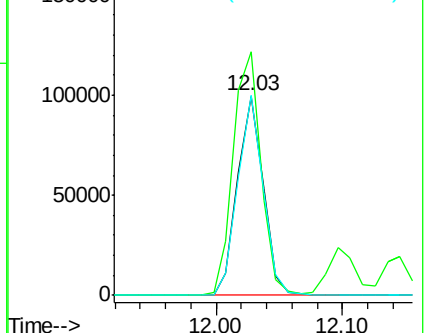
158 100.1 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 126.268 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059579.D

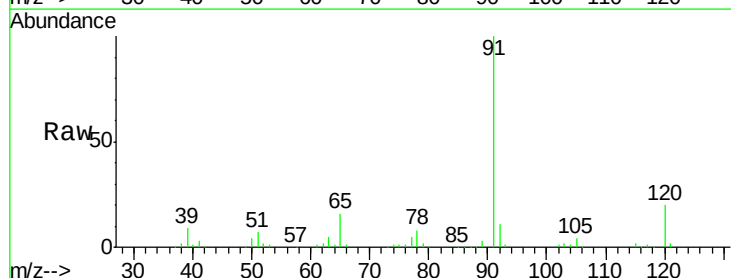
Acq: 24 Jul 2018 19:15

Tgt Ion: 91 Resp: 571912

Ion Ratio Lower Upper

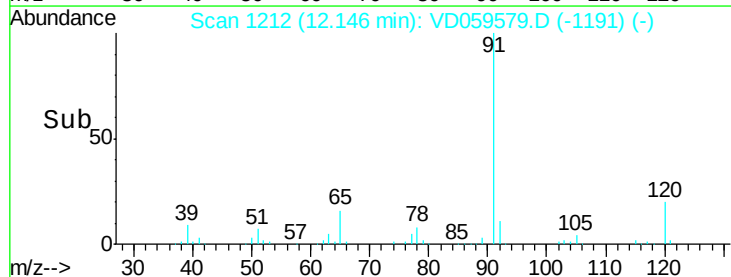
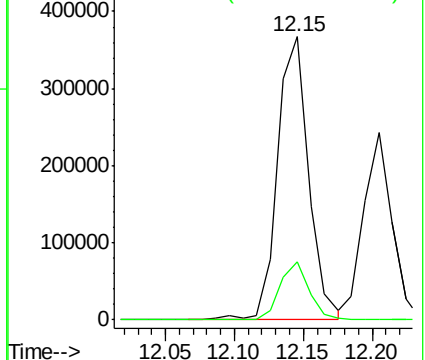
91 100

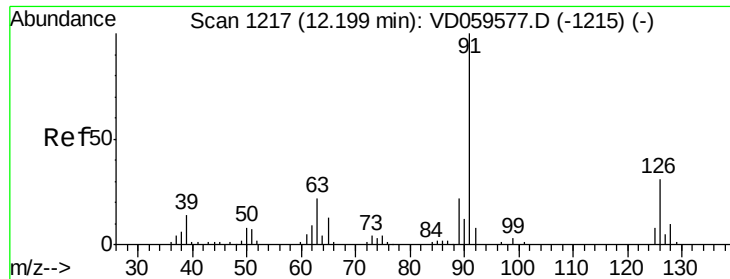
120 20.5 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

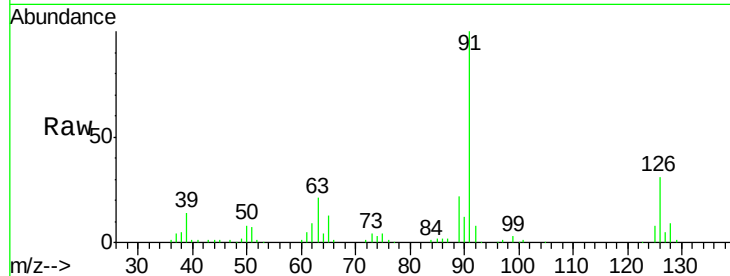




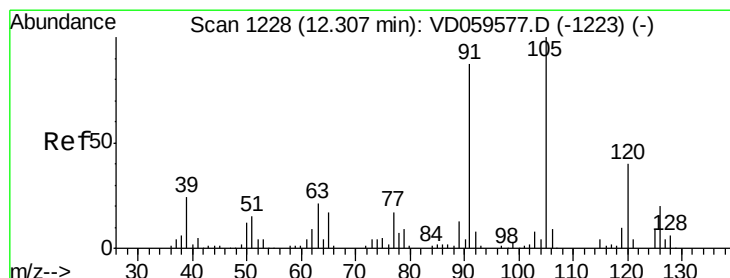
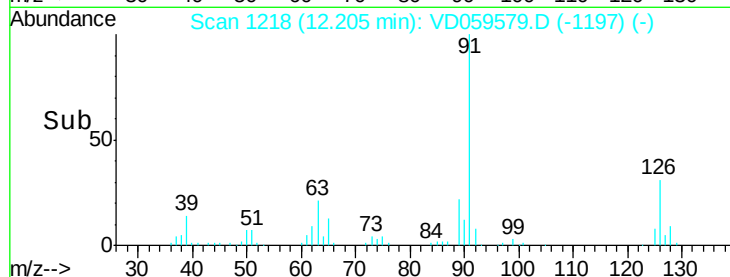
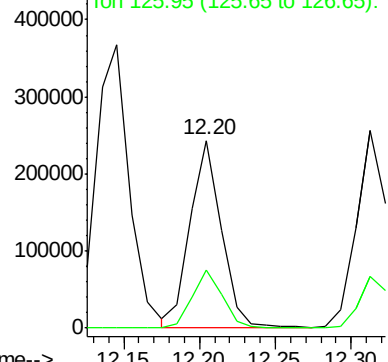
#79
 2-Chlorotoluene
 Concen: 128.699 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 91 Resp: 346930
 Ion Ratio Lower Upper
 91 100
 126 30.7 14.5 43.6

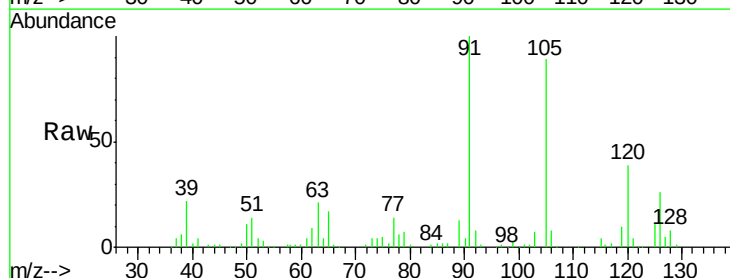


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

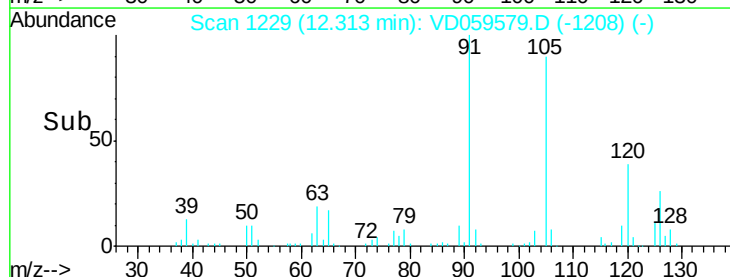
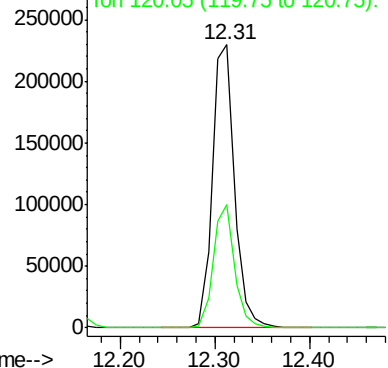


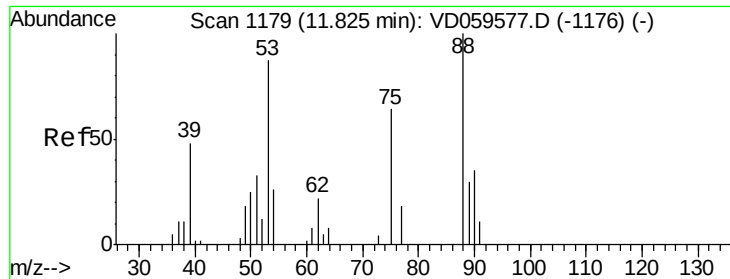
#80
 1,3,5-Trimethylbenzene
 Concen: 122.569 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion: 105 Resp: 371096
 Ion Ratio Lower Upper
 105 100
 120 43.5 19.9 59.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 183.943 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

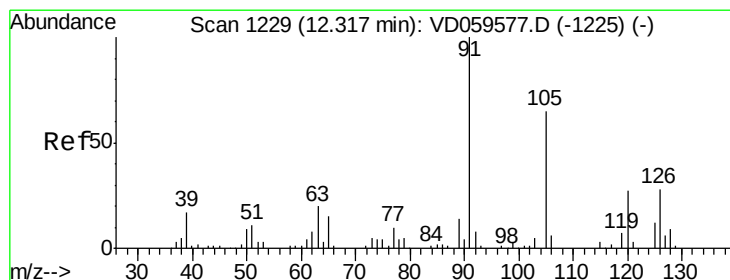
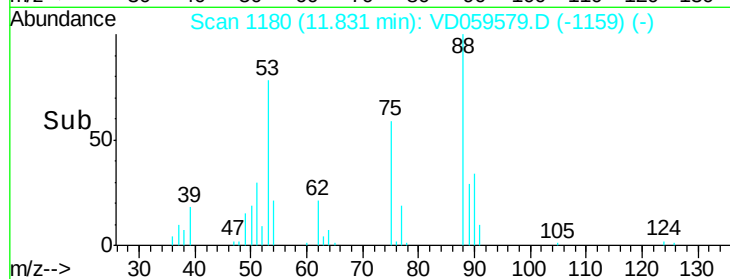
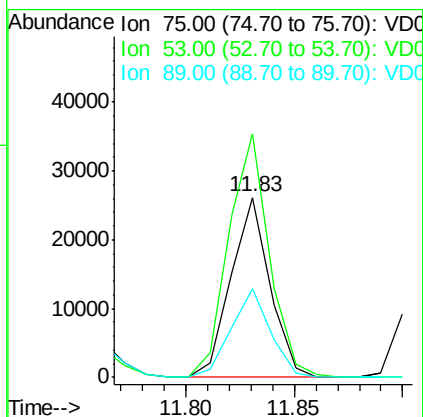
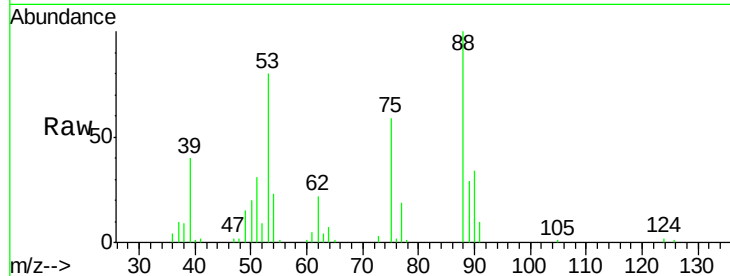
Tgt Ion: 75 Resp: 32689

Ion Ratio Lower Upper

75 100

53 135.2 107.7 161.5

89 49.5 37.3 55.9



#82

4-Chlorotoluene

Concen: 123.836 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059579.D

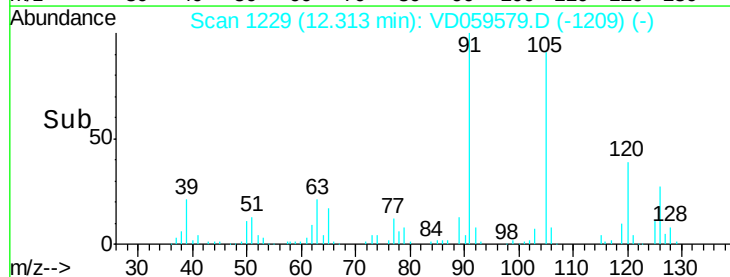
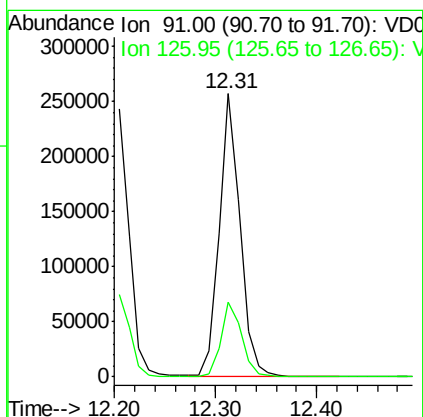
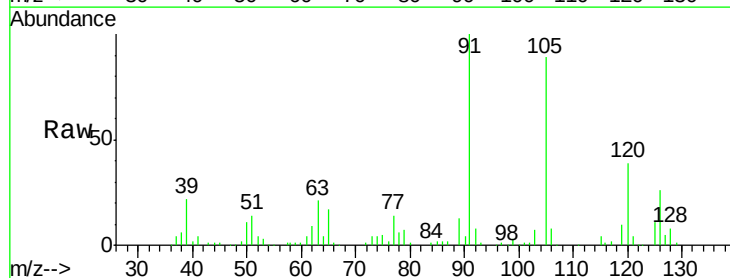
Acq: 24 Jul 2018 19:15

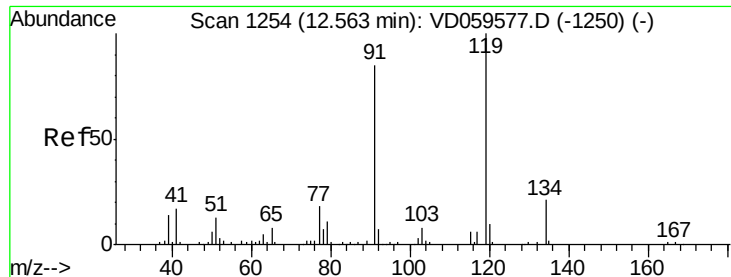
Tgt Ion: 91 Resp: 371242

Ion Ratio Lower Upper

91 100

126 26.3 14.1 42.4

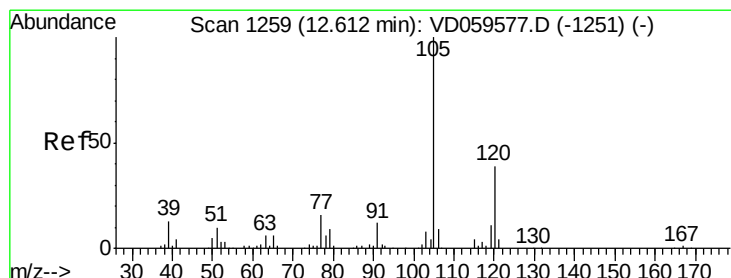
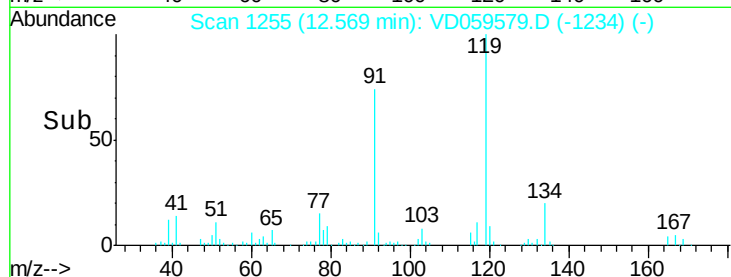
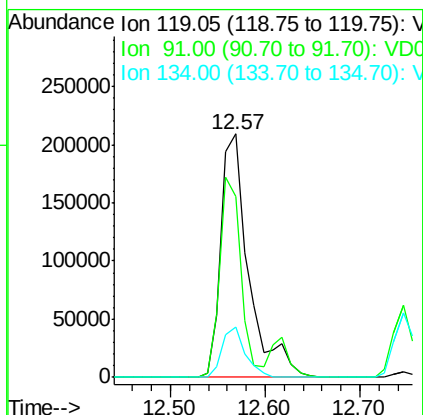
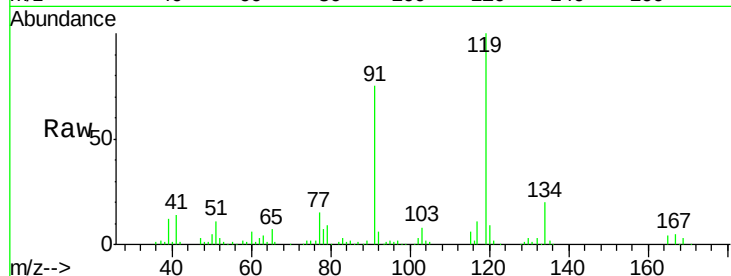




#83
 tert-Butylbenzene
 Concen: 128.008 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

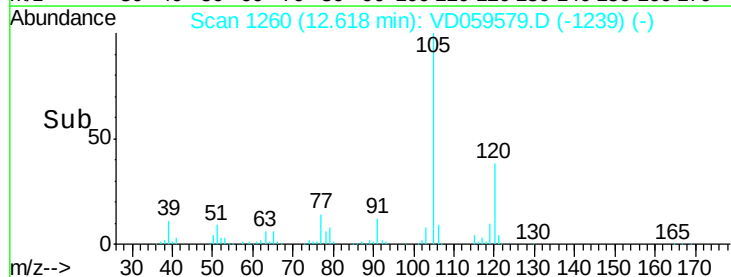
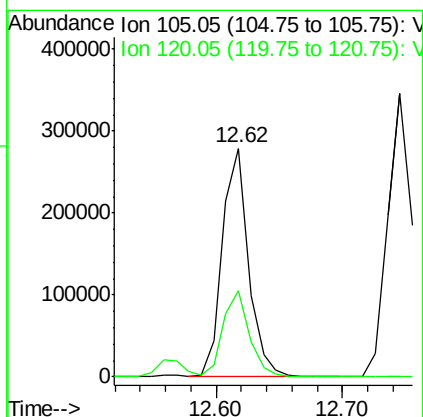
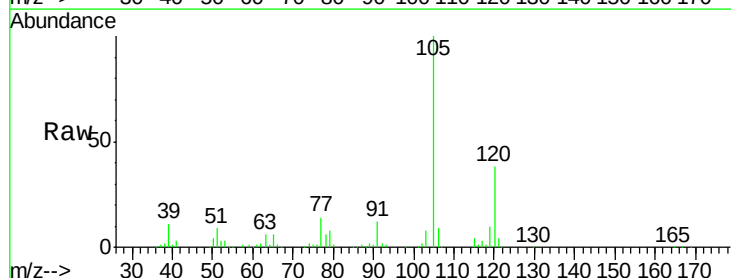
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

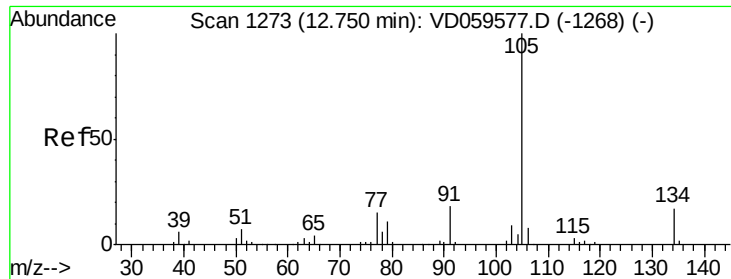
Tgt Ion:119 Resp: 424471
 Ion Ratio Lower Upper
 119 100
 91 74.5 42.5 127.5
 134 20.4 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 126.840 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion:105 Resp: 398753
 Ion Ratio Lower Upper
 105 100
 120 37.5 19.3 57.9

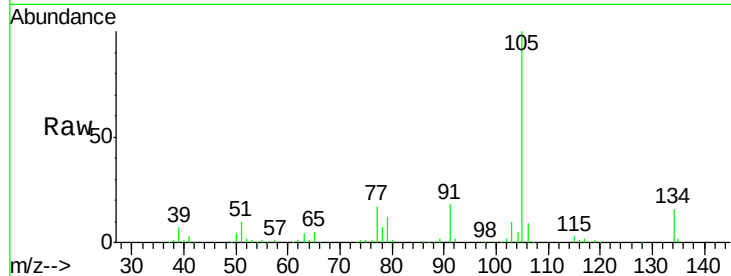




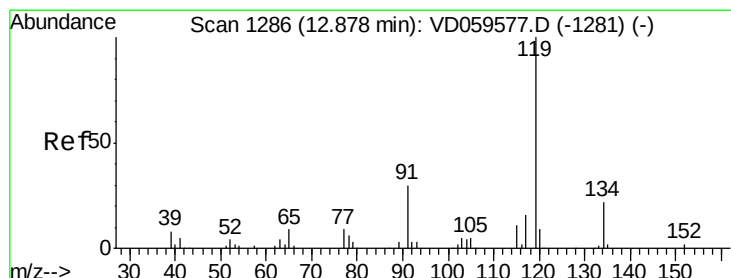
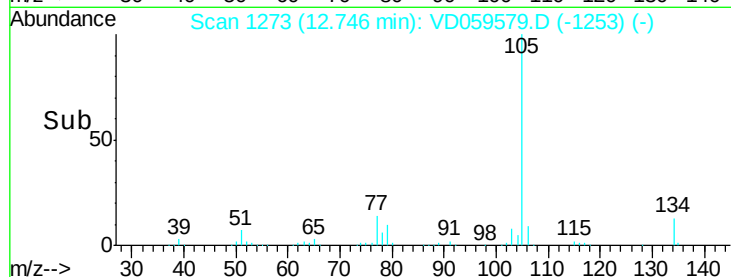
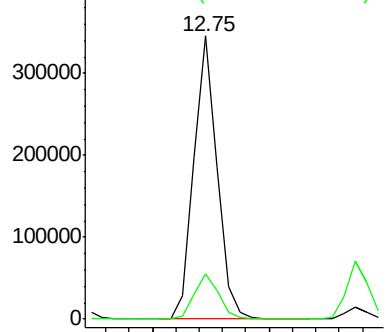
#85
 sec-Butylbenzene
 Concen: 128.025 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 479233
 Ion Ratio Lower Upper
 105 100
 134 16.2 8.8 26.2

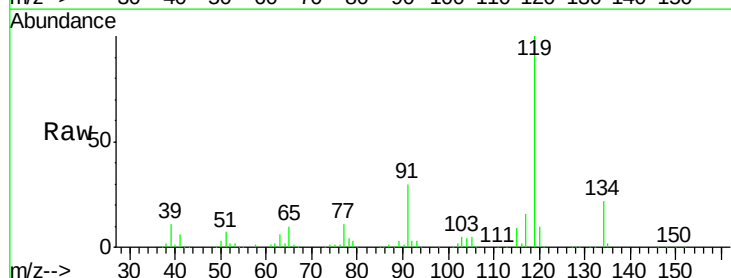


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

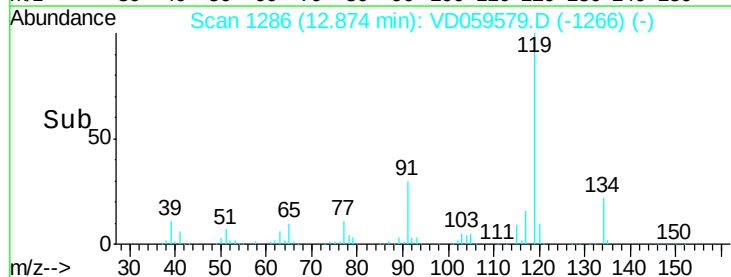
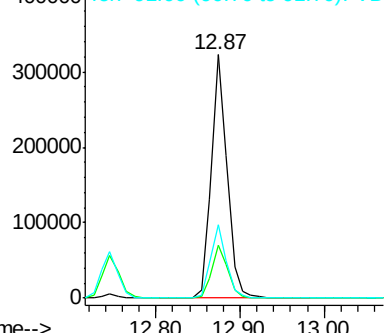


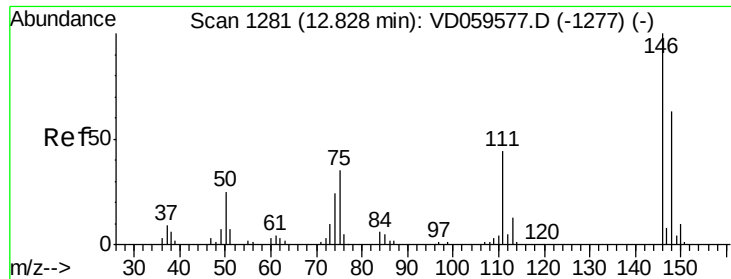
#86
 p-Isopropyltoluene
 Concen: 123.418 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion:119 Resp: 422742
 Ion Ratio Lower Upper
 119 100
 134 21.9 11.2 33.6
 91 30.0 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: 96.400 ug/l

RT: 12.83 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

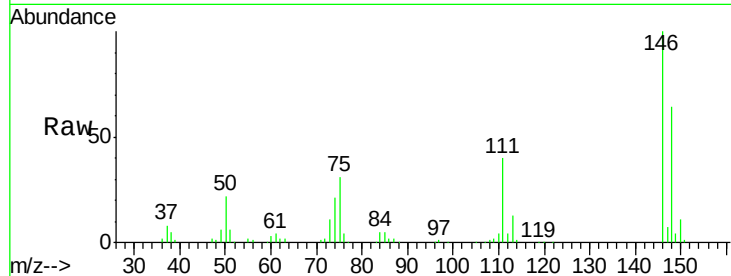
Tgt Ion:146 Resp: 238625

Ion Ratio Lower Upper

146 100

111 40.0 22.2 66.6

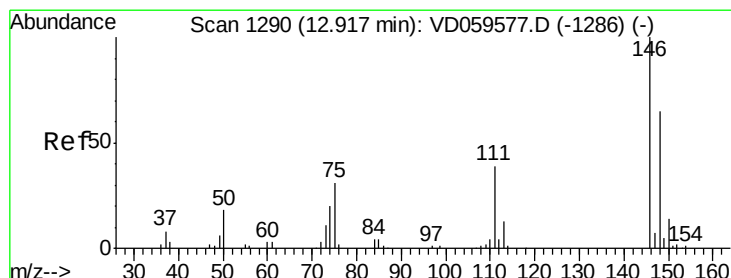
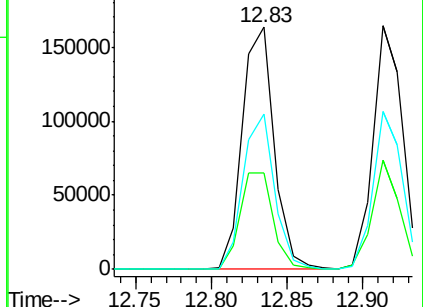
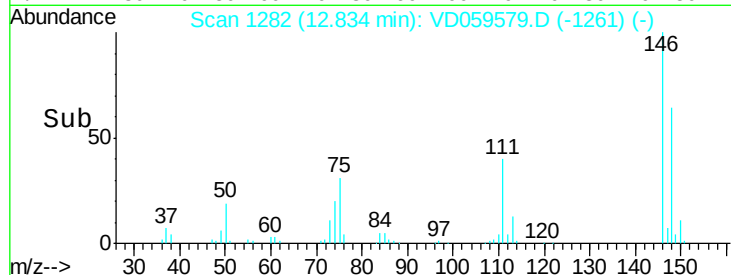
148 64.3 31.8 95.3



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: 94.041 ug/l

RT: 12.91 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

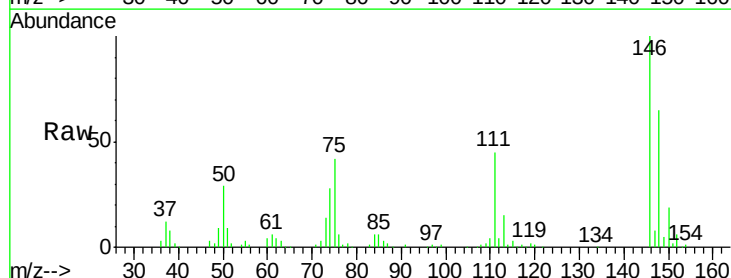
Tgt Ion:146 Resp: 228119

Ion Ratio Lower Upper

146 100

111 45.1 19.3 57.9

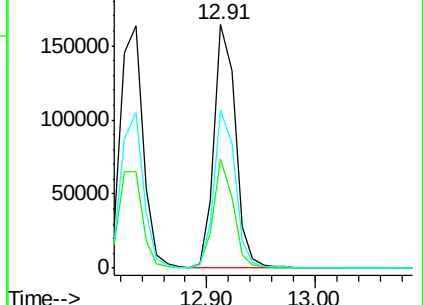
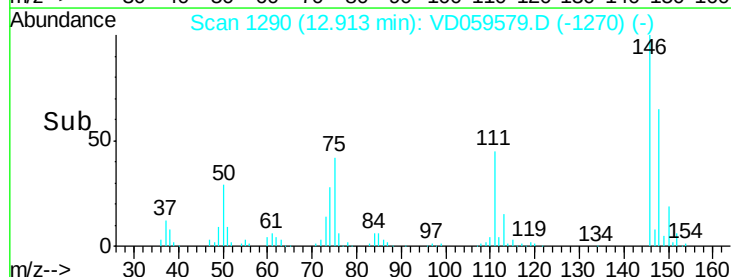
148 64.7 32.4 97.2

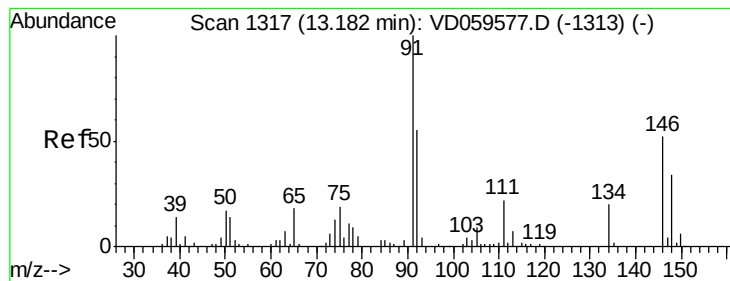


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 130.351 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

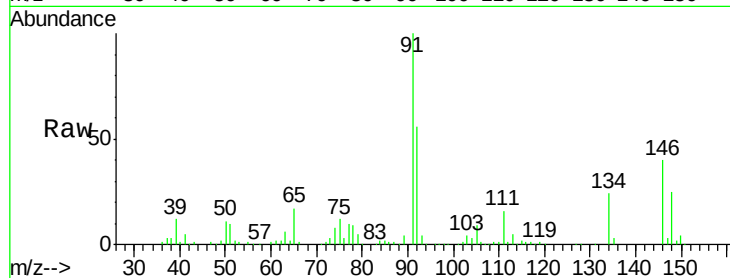
Tgt Ion: 91 Resp: 373102

Ion Ratio Lower Upper

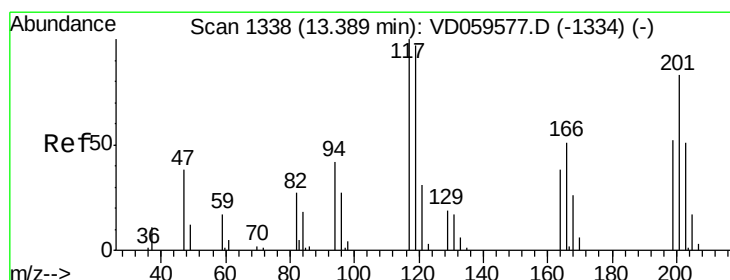
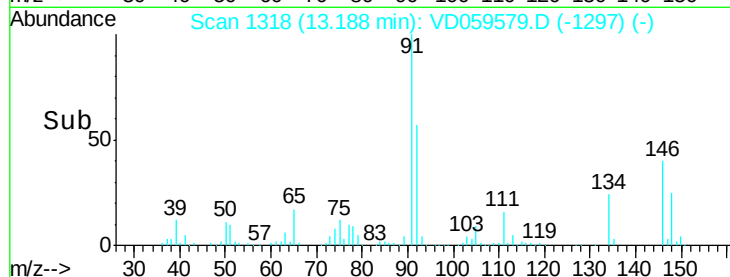
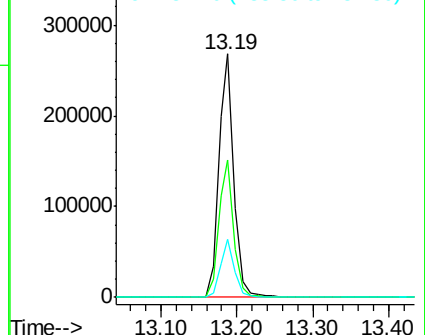
91 100

92 56.4 27.6 82.7

134 23.9 10.1 30.3



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



#90

Hexachloroethane

Concen: 122.493 ug/l

RT: 13.39 min Scan# 1338

Delta R.T. -0.00 min

Lab File: VD059579.D

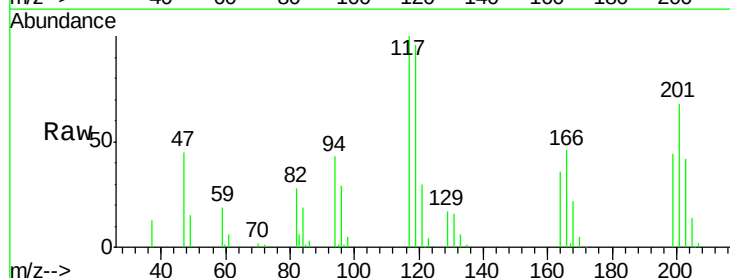
Acq: 24 Jul 2018 19:15

Tgt Ion: 117 Resp: 112361

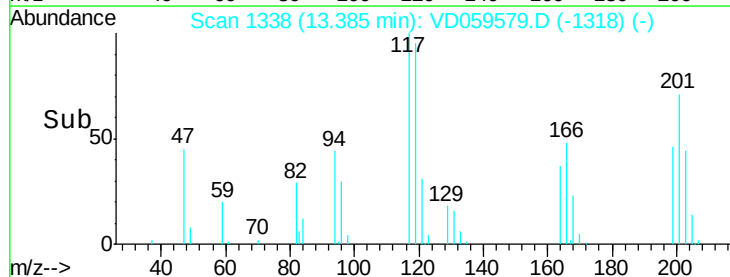
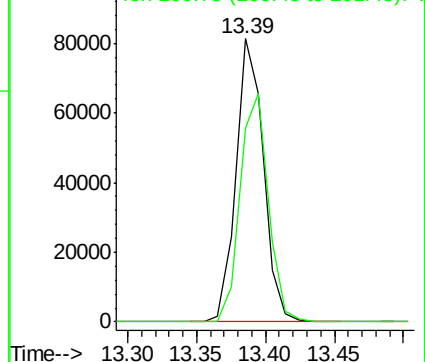
Ion Ratio Lower Upper

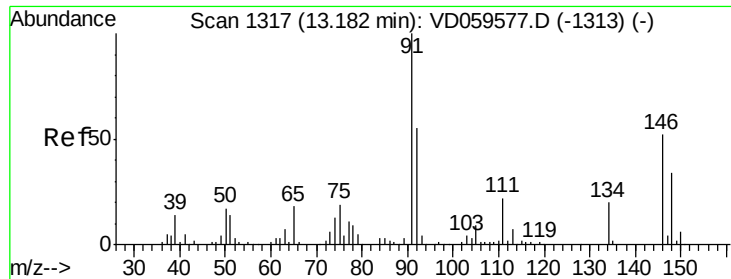
117 100

201 68.4 41.5 124.5



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

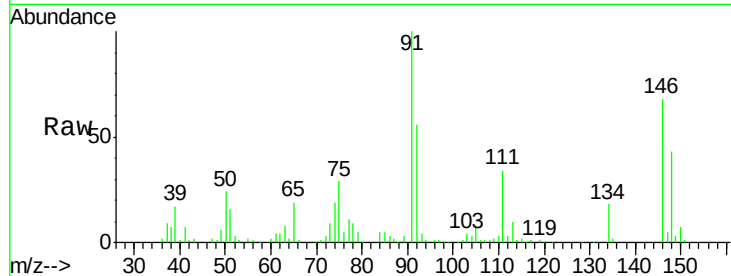




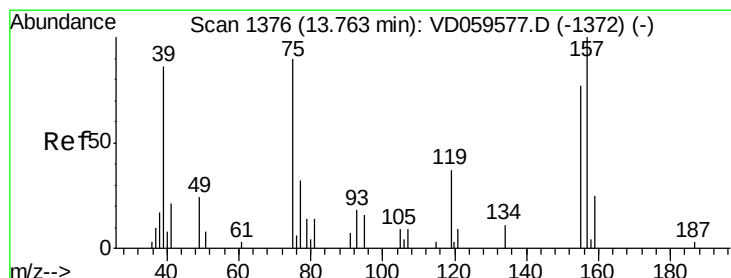
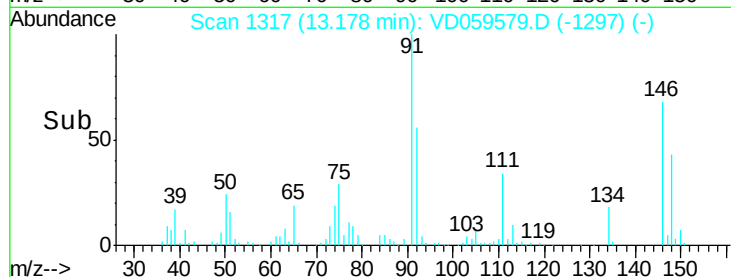
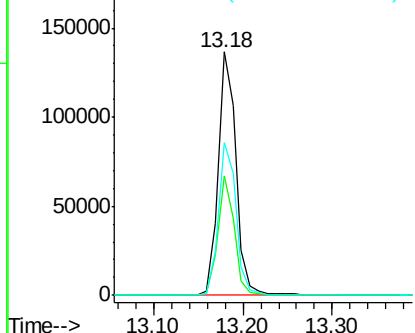
#91
 1,2-Dichlorobenzene
 Concen: 92.895 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 190174
 Ion Ratio Lower Upper
 146 100
 111 49.0 21.4 64.3
 148 62.8 32.6 98.0

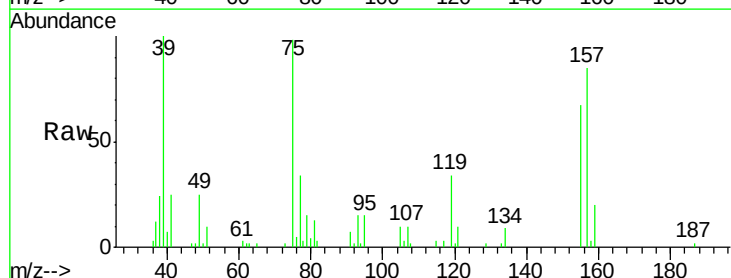


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

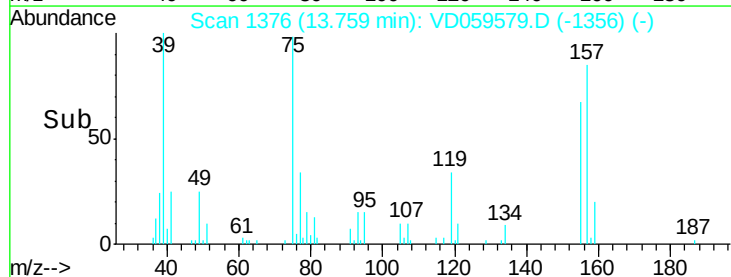
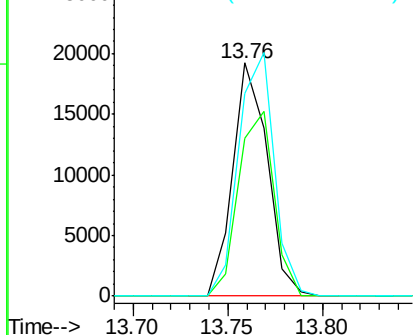


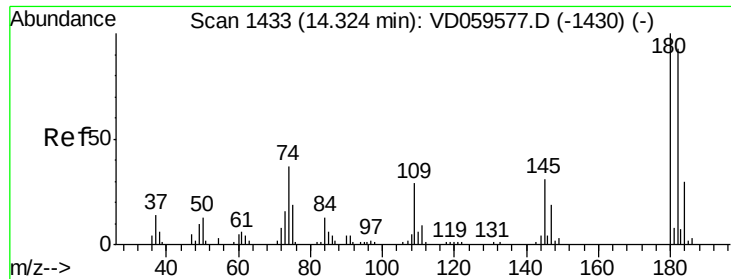
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 183.229 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion: 75 Resp: 24234
 Ion Ratio Lower Upper
 75 100
 155 67.8 42.5 127.5
 157 86.7 55.5 166.3



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

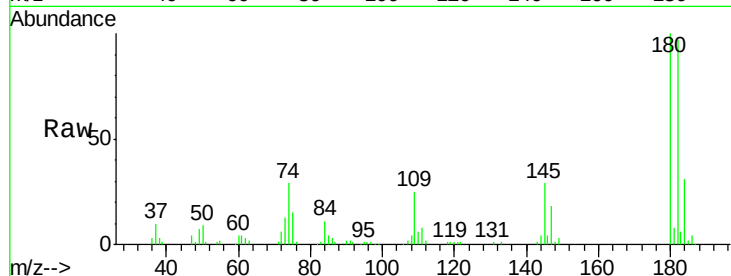




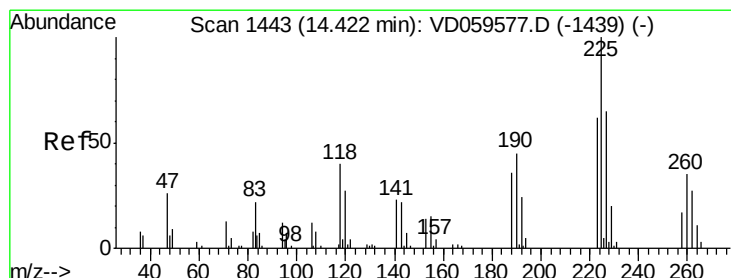
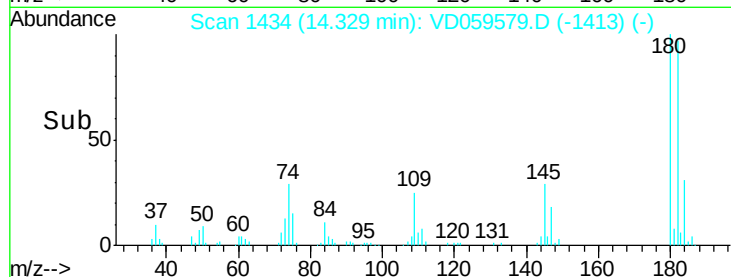
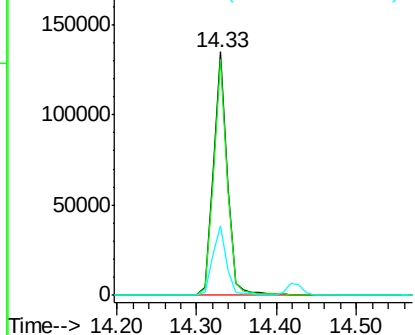
#93
 1,2,4-Trichlorobenzene
 Concen: 93.346 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 166036
 Ion Ratio Lower Upper
 180 100
 182 96.8 46.4 139.2
 145 28.6 15.7 47.0

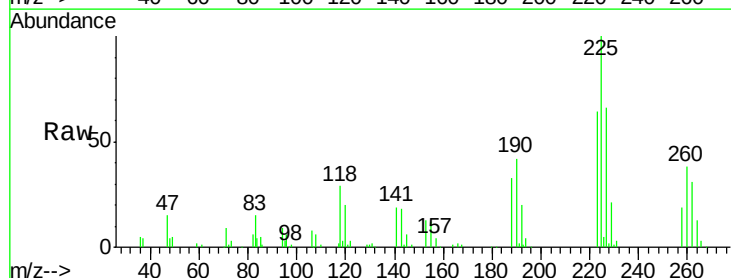


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

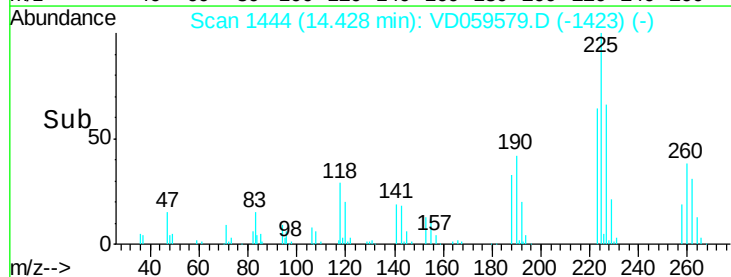
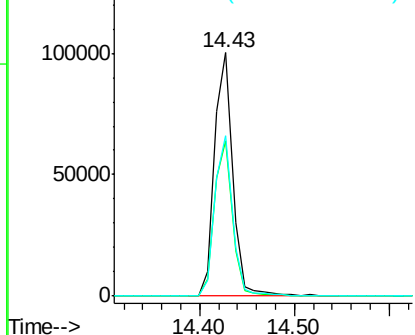


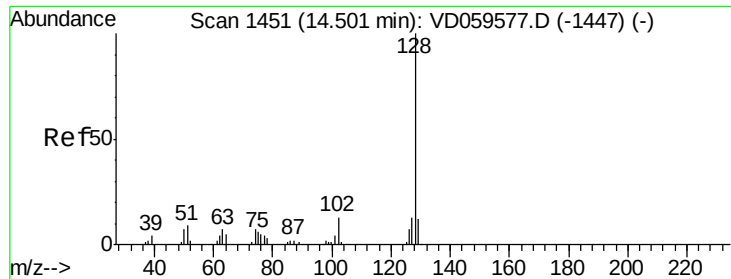
#94
 Hexachlorobutadiene
 Concen: 102.992 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059579.D
 Acq: 24 Jul 2018 19:15

Tgt Ion:225 Resp: 134543
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.1 93.5
 227 66.1 32.4 97.2



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





#95

Naphthalene

Concen: 115.079 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

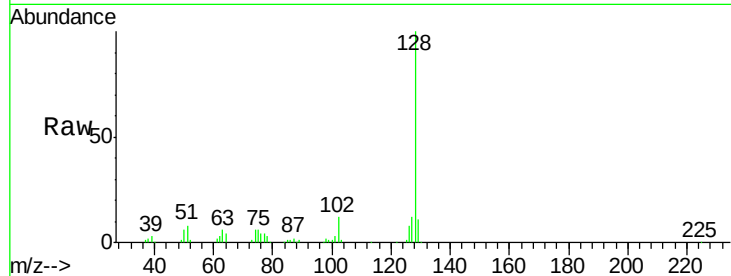
Tgt Ion:128 Resp: 247990

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

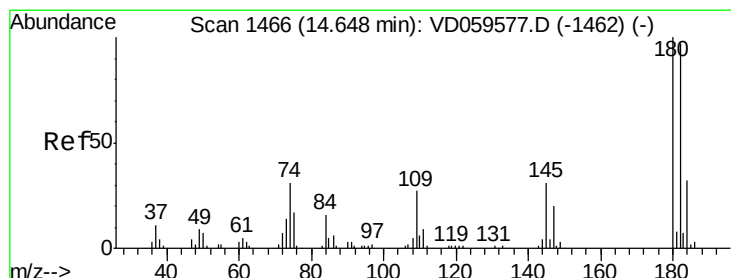
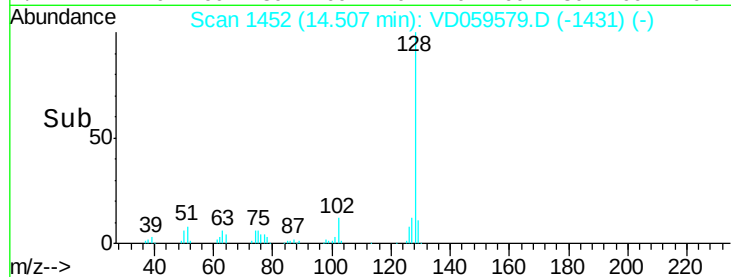
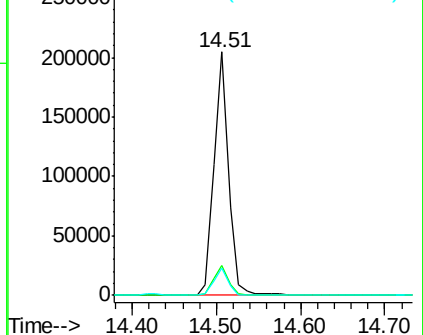
129 11.2 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 96.277 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059579.D

Acq: 24 Jul 2018 19:15

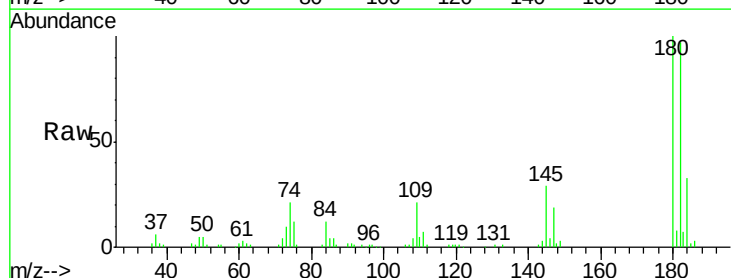
Tgt Ion:180 Resp: 152412

Ion Ratio Lower Upper

180 100

182 96.7 48.6 145.9

145 29.0 15.6 46.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

