

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
 Data File : VD059877.D
 Acq On : 22 Aug 2018 15:34
 Operator : JC/SY
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Aug 23 01:18:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1205177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1657562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1374562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	693739	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	1309150	135.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	270.36%		
35) Dibromofluoromethane	6.32	113	1805333	142.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	285.14%		
50) Toluene-d8	9.46	98	4828867	138.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	277.16%		
62) 4-Bromofluorobenzene	12.44	95	1821728	130.44	ug/l	0.00
Spiked Amount 50.000			Recovery =	260.88%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	1480278	140.865	ug/l	98
3) Chloromethane	1.74	50	1460502	150.510	ug/l	98
4) Vinyl Chloride	1.84	62	1162346	152.432	ug/l	99
5) Bromomethane	2.12	94	88303	98.539	ug/l	93
6) Chloroethane	2.22	64	150327	77.634	ug/l	98
7) Trichlorofluoromethane	2.48	101	1020251	123.373	ug/l	98
8) Diethyl Ether	2.81	74	253307	133.867	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.07	101	691431	131.394	ug/l	98
10) Methyl Iodide	3.22	142	821004	165.058	ug/l	96
11) Tert butyl alcohol	3.99	59	599642	759.714	ug/l	100
12) 1,1-Dichloroethene	3.05	96	528705	131.952	ug/l	86
13) Acrolein	2.97	56	256194	818.327	ug/l	96
14) Allyl chloride	3.52	41	1337891	141.791	ug/l	96
15) Acrylonitrile	4.08	53	2002848	695.338	ug/l	100
16) Acetone	3.16	43	1281725	729.915	ug/l	100
17) Carbon Disulfide	3.29	76	1817617	145.862	ug/l	99
18) Methyl Acetate	3.55	43	541208	139.762	ug/l	97
19) Methyl tert-butyl Ether	4.12	73	3309474	138.008	ug/l	98
20) Methylene Chloride	3.71	84	1636263	113.570	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	1599540	140.960	ug/l	98
22) Diisopropyl ether	4.86	45	6449151	134.323	ug/l	95
23) Vinyl Acetate	4.80	43	17461438	652.615	ug/l	99
24) 1,1-Dichloroethane	4.75	63	2881989	139.192	ug/l	100
25) 2-Butanone	5.63	43	4027453	767.971	ug/l	97
26) 2,2-Dichloropropane	5.59	77	2164065	127.941	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	1764110	140.054	ug/l	99
28) Bromochloromethane	5.92	49	1378984	138.655	ug/l	98
29) Tetrahydrofuran	5.96	42	1878591	717.889	ug/l	98
30) Chloroform	6.11	83	2917743	138.035	ug/l	99
31) Cyclohexane	6.36	56	2472155	130.715	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	2442358	136.227	ug/l	99
36) 1,1-Dichloropropene	6.52	75	1987091	135.175	ug/l	99
37) Ethyl Acetate	5.70	43	1607253	136.251	ug/l	99
38) Carbon Tetrachloride	6.50	117	2017213	135.383	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	2290436	141.156	ug/l	97
40) Benzene	6.80	78	5286620	137.226	ug/l	99
41) Methacrylonitrile	5.96	41	1873639	176.982	ug/l #	78
42) 1,2-Dichloroethane	6.89	62	1793280	142.708	ug/l	99
43) Isopropyl Acetate	8.36	43	2323161	149.876	ug/l	99
44) Trichloroethene	7.74	130	1664790	147.117	ug/l	98
45) 1,2-Dichloropropane	8.11	63	1582383	145.075	ug/l	97
46) Dibromomethane	8.22	93	998521	142.840	ug/l	94
47) Bromodichloromethane	8.50	83	2206670	139.652	ug/l	98
48) Methyl methacrylate	8.25	41	1254226	143.740	ug/l	98
49) 1,4-Dioxane	8.24	88	240273	3019.836	ug/l	97
51) 4-Methyl-2-Pentanone	9.36	43	7747014	719.114	ug/l	98
52) Toluene	9.56	92	3424682	138.161	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	2082754	142.022	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	2387801	139.895	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	1236382	136.931	ug/l	99
56) Ethyl methacrylate	10.04	69	1573643	146.496	ug/l	99
57) 1,3-Dichloropropane	10.39	76	1913990	144.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	3333359	651.186	ug/l	96
59) 2-Hexanone	10.50	43	5663892	724.983	ug/l	98
60) Dibromochloromethane	10.65	129	1643067	142.890	ug/l	98
61) 1,2-Dibromoethane	10.77	107	1355553	145.581	ug/l	97
64) Tetrachloroethene	10.26	164	1479527	140.861	ug/l	98
65) Chlorobenzene	11.32	112	3671314	136.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	1198657	122.828	ug/l	98
67) Ethyl Benzene	11.44	91	5088520	115.486	ug/l	94
68) m/p-Xylenes	11.58	106	3799322	238.911	ug/l	95
69) o-Xylene	11.94	106	2016517	129.173	ug/l	93
70) Styrene	11.96	104	3379485	124.626	ug/l	98
71) Bromoform	12.12	173	1310623	151.328	ug/l	100
73) Isopropylbenzene	12.29	105	5535110	126.530	ug/l	97
74) N-amyl acetate	12.14	43	2722527	139.284	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	1411481	140.361	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	1540763	142.304	ug/l	99
77) Bromobenzene	12.54	156	1612279	132.731	ug/l	96
78) n-propylbenzene	12.64	91	6550596	120.496	ug/l	96
79) 2-Chlorotoluene	12.71	91	3825584	123.511	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	3840557	112.956	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	502256	150.648	ug/l	98
82) 4-Chlorotoluene	12.82	91	3889543	112.483	ug/l	98
83) tert-Butylbenzene	13.06	119	4935021	124.865	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	4281174	119.516	ug/l	97
85) sec-Butylbenzene	13.23	105	5690685	122.899	ug/l	98
86) p-Isopropyltoluene	13.35	119	4353151	116.211	ug/l	96
87) 1,3-Dichlorobenzene	13.32	146	2753117	127.704	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	2728991	126.918	ug/l	98
89) n-Butylbenzene	13.65	91	3779322	102.696	ug/l	98
90) Hexachloroethane	13.86	117	1380173	135.308	ug/l	93
91) 1,2-Dichlorobenzene	13.67	146	1997014	111.121	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	229663	144.768	ug/l	86

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 01:14:23 2018
Response via : Initial Calibration

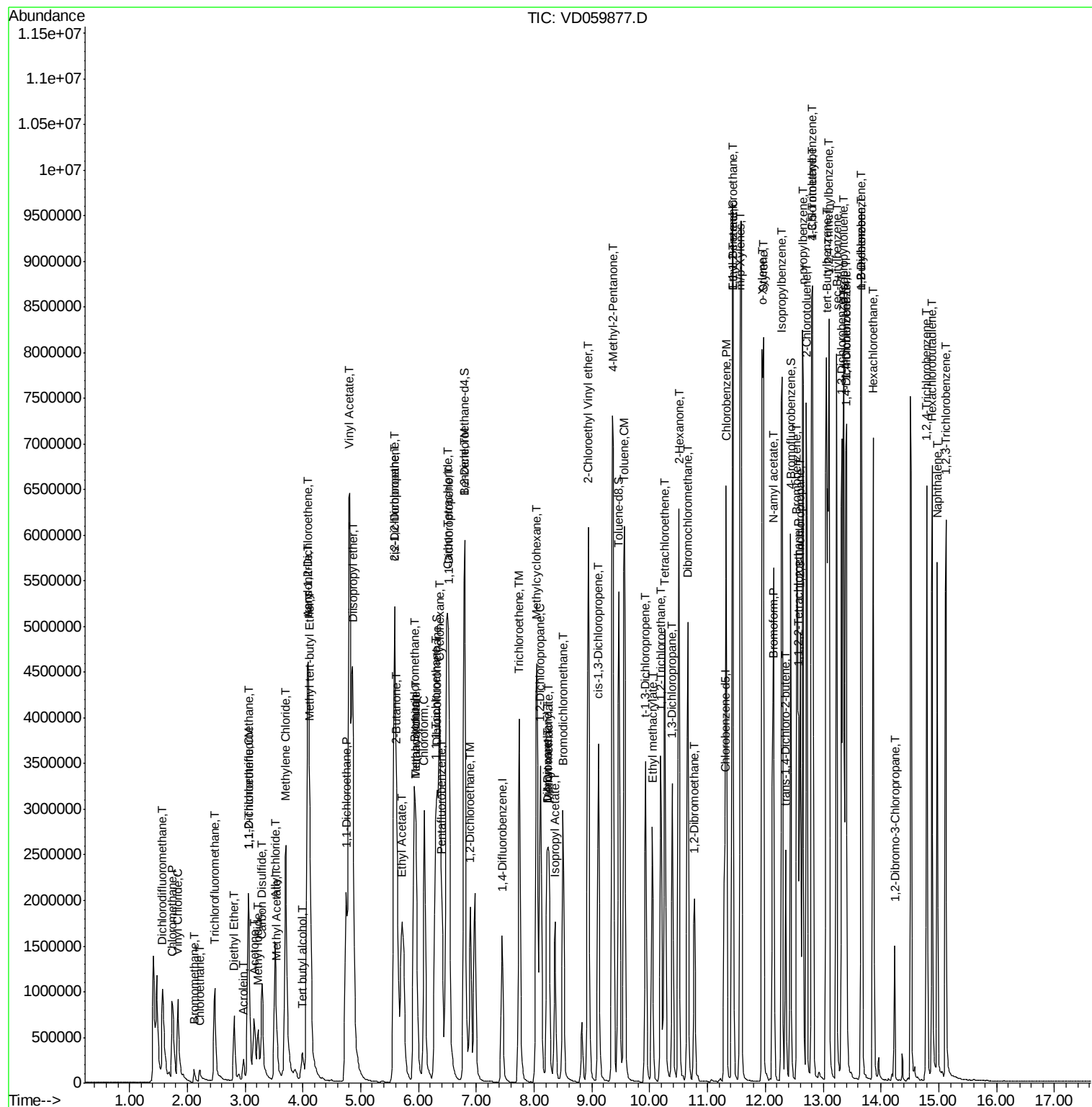
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	2014174	130.537	ug/l	98
94) Hexachlorobutadiene	14.89	225	1352504	132.136	ug/l	99
95) Naphthalene	14.97	128	3579110	146.158	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1884331	139.254	ug/l	99

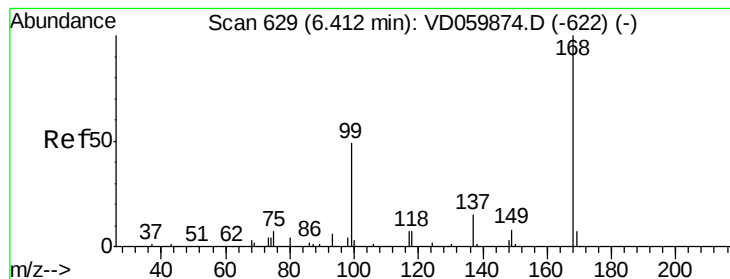
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

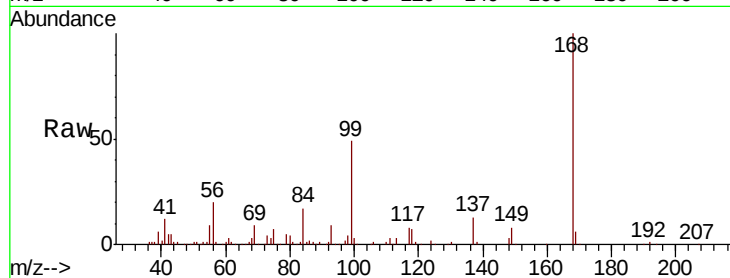
VSTDIC150

Tgt Ion:168 Resp: 1205177

Ion Ratio Lower Upper

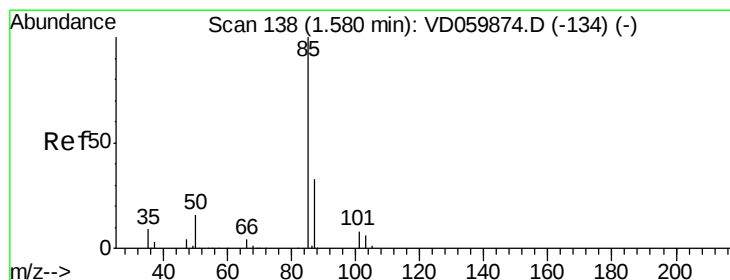
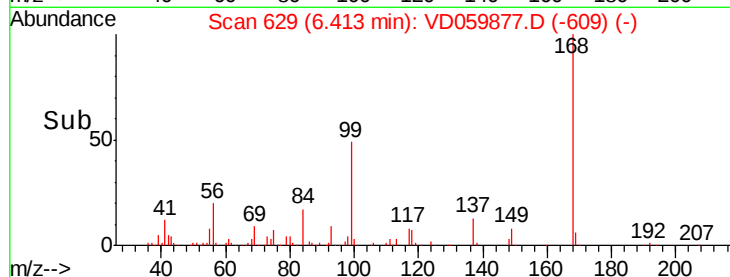
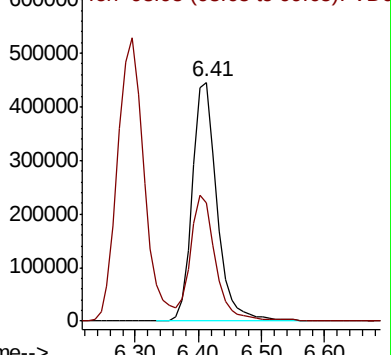
168 100

99 49.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 140.865 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059877.D

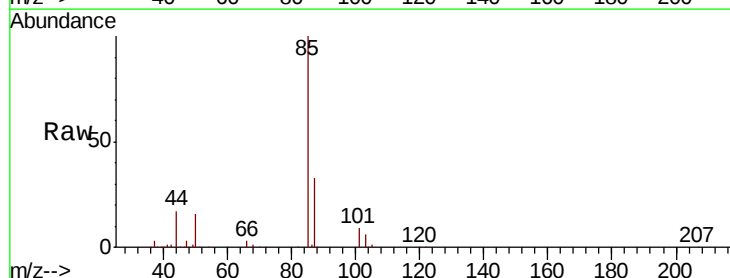
Acq: 22 Aug 2018 15:34

Tgt Ion: 85 Resp: 1480278

Ion Ratio Lower Upper

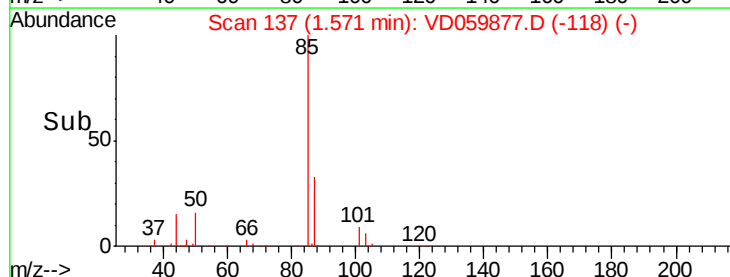
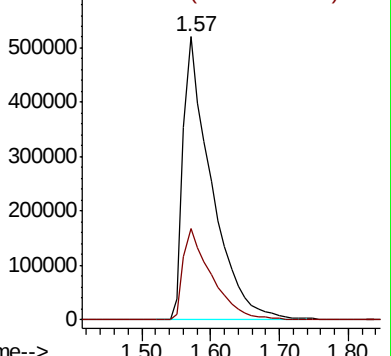
85 100

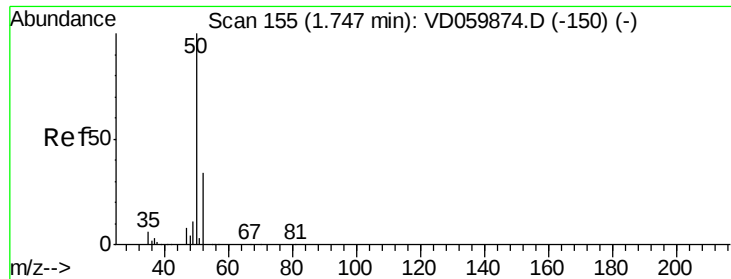
87 32.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 150.510 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

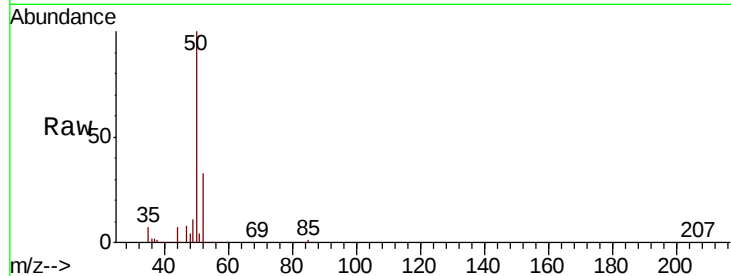
VSTDIC150

Tgt Ion: 50 Resp: 1460502

Ion Ratio Lower Upper

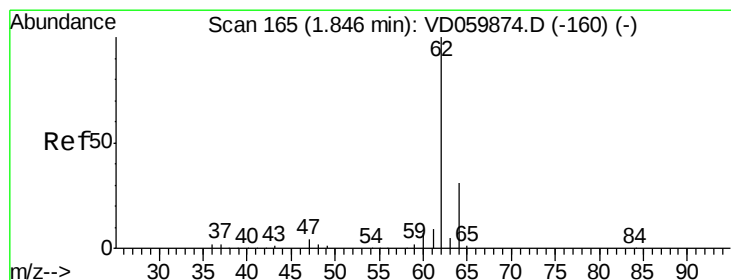
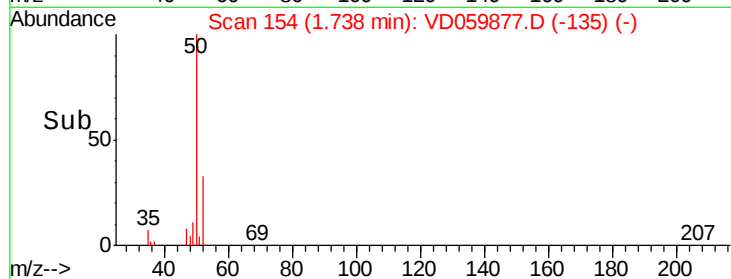
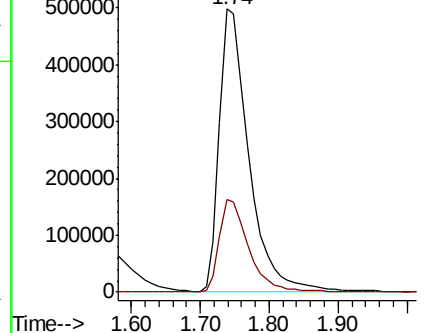
50 100

52 32.8 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 152.432 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059877.D

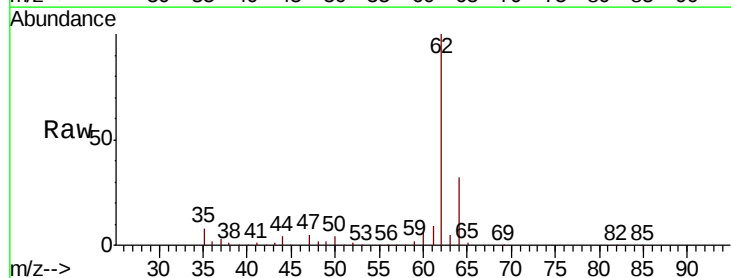
Acq: 22 Aug 2018 15:34

Tgt Ion: 62 Resp: 1162346

Ion Ratio Lower Upper

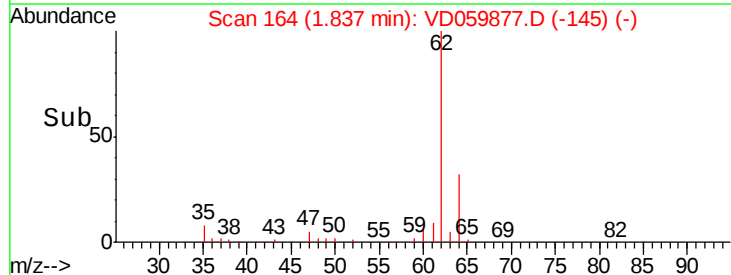
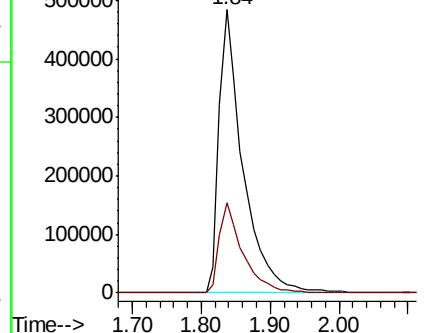
62 100

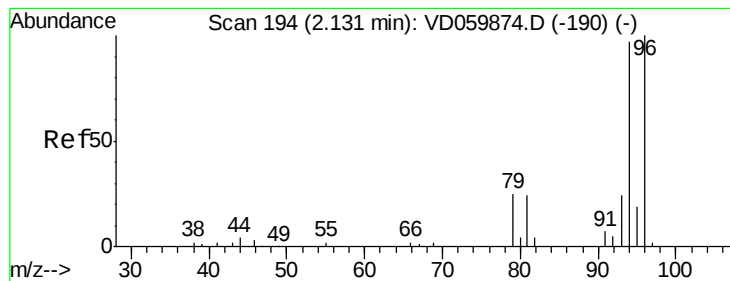
64 31.6 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 98.539 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

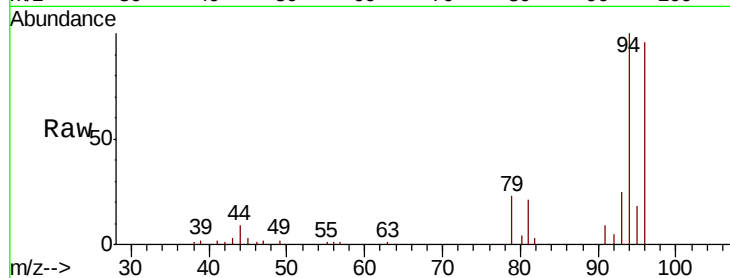
VSTDIC150

Tgt Ion: 94 Resp: 88303

Ion Ratio Lower Upper

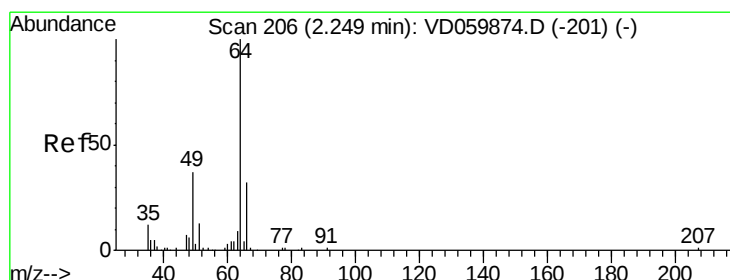
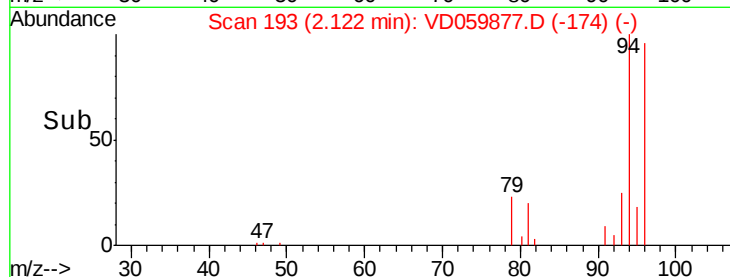
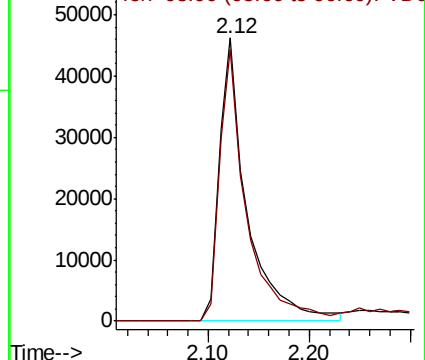
94 100

96 95.9 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 77.634 ug/l

RT: 2.22 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD059877.D

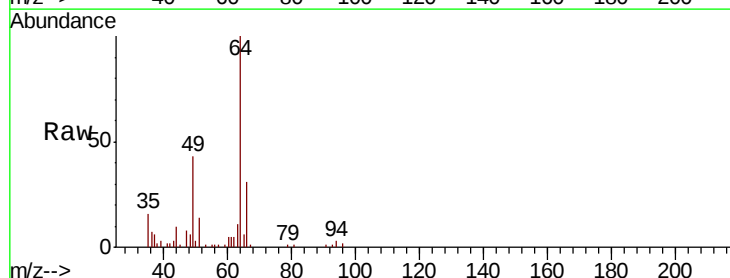
Acq: 22 Aug 2018 15:34

Tgt Ion: 64 Resp: 150327

Ion Ratio Lower Upper

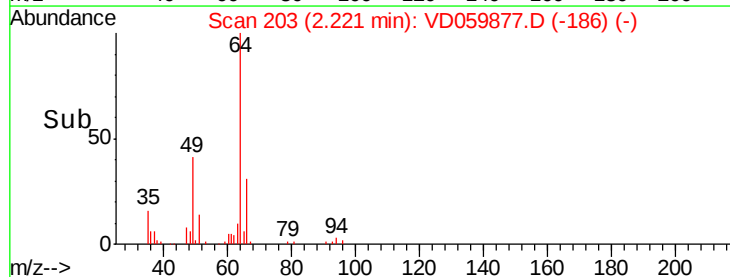
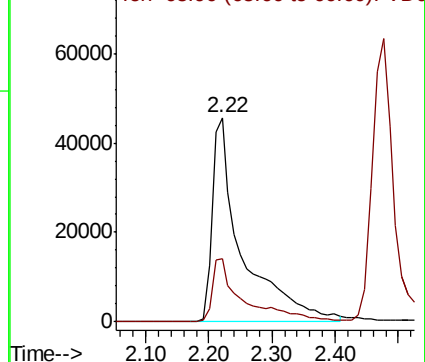
64 100

66 30.7 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



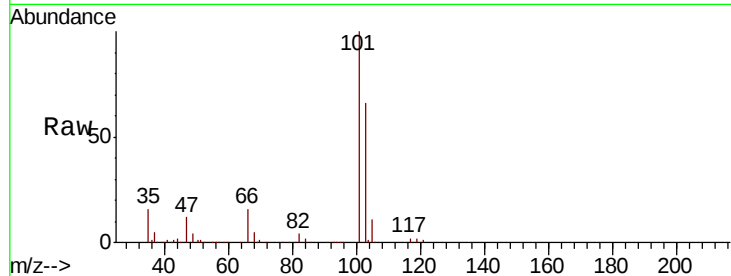


#7

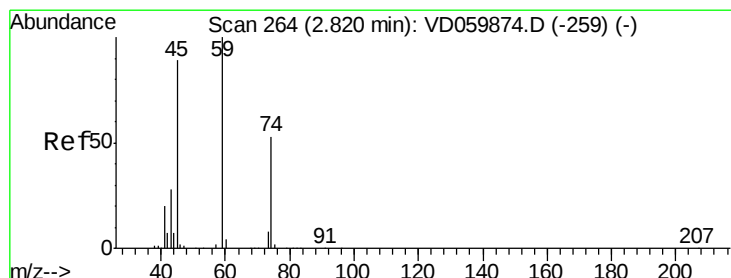
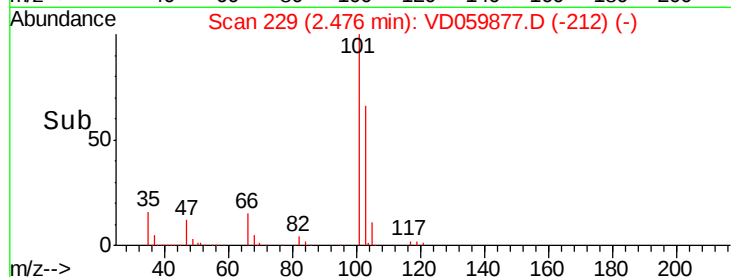
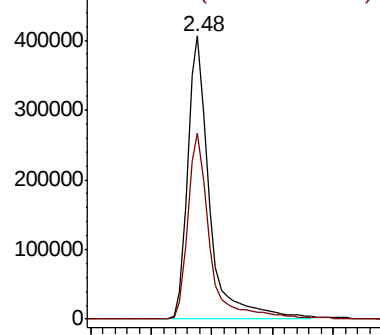
Trichlorofluoromethane
Concen: 123.373 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.03 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Instrument :
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ClientSampleId :
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Tgt Ion: 101 Resp: 1020251
Ion Ratio Lower Upper
101 100
103 65.6 53.7 80.5



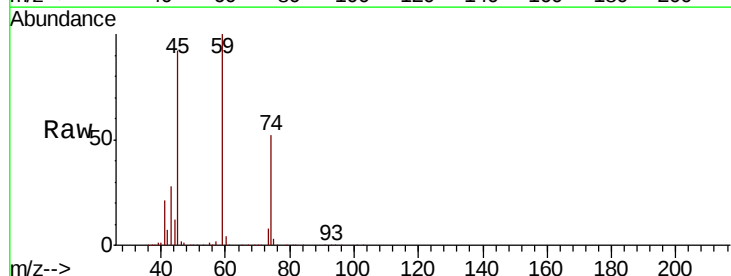
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



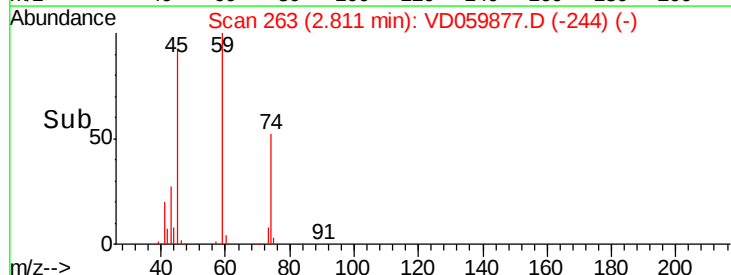
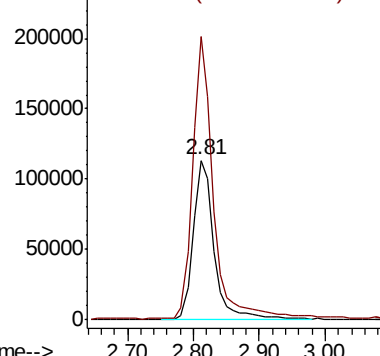
#8

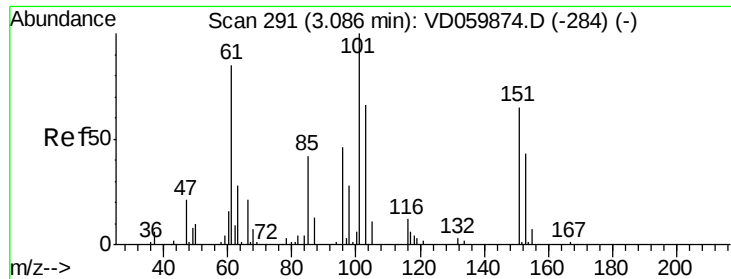
Diethyl Ether
Concen: 133.867 ug/l
RT: 2.81 min Scan# 263
Delta R.T. -0.01 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 74 Resp: 253307
Ion Ratio Lower Upper
74 100
45 177.5 85.7 257.1



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: 131.394 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

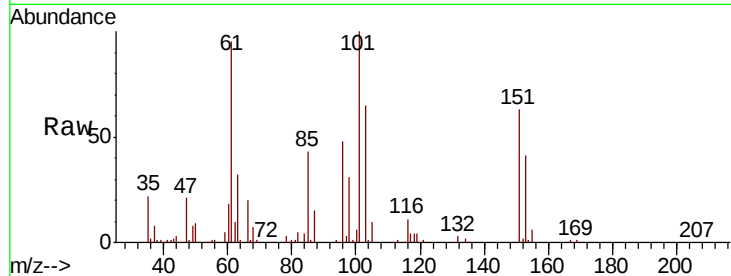
Tgt Ion:101 Resp: 691431

Ion Ratio Lower Upper

101 100

85 43.4 33.6 50.4

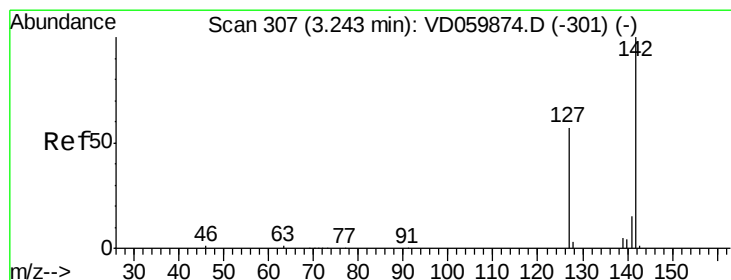
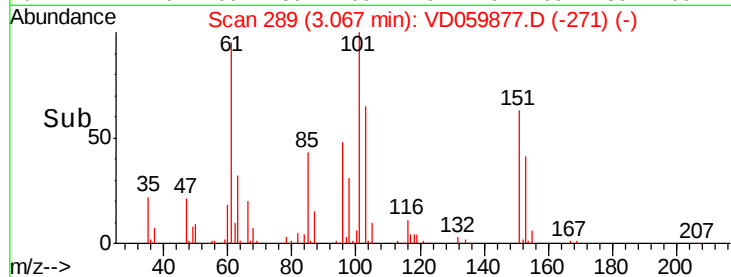
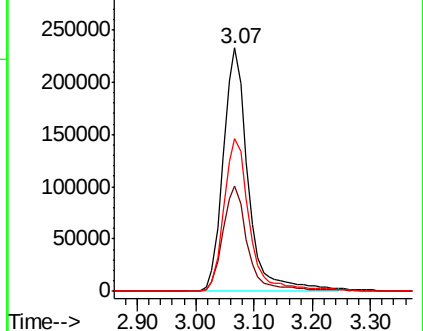
151 62.9 52.0 78.0



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: 165.058 ug/l

RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

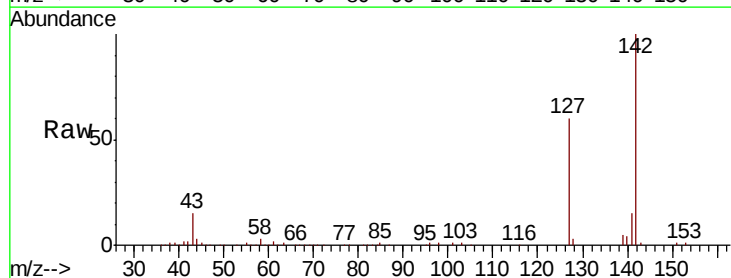
Tgt Ion:142 Resp: 821004

Ion Ratio Lower Upper

142 100

127 60.4 45.8 68.6

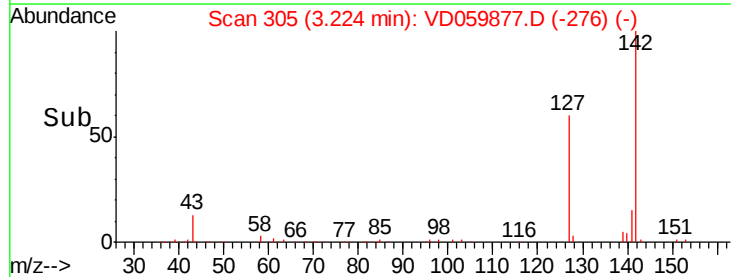
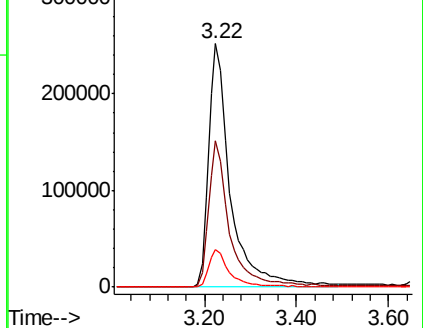
141 15.4 11.6 17.4

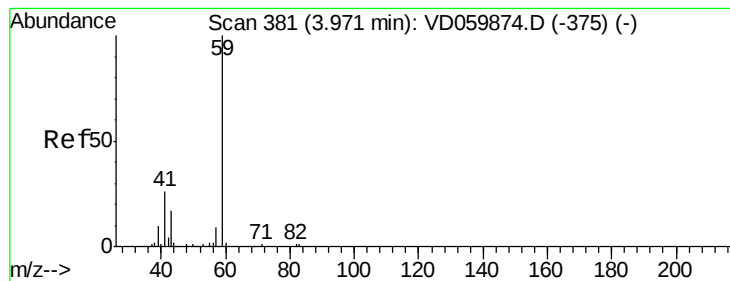


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



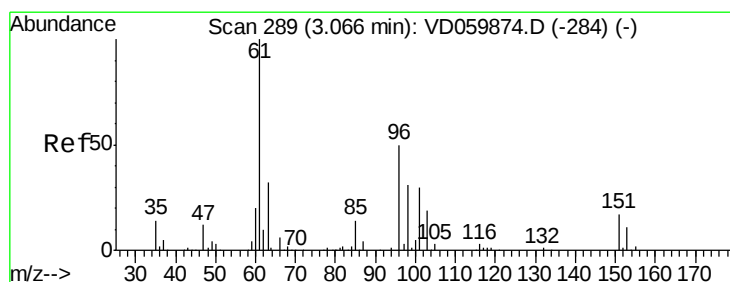
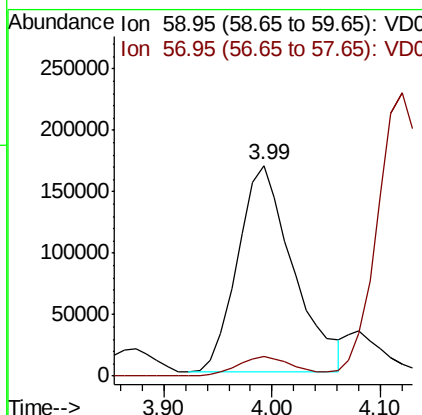
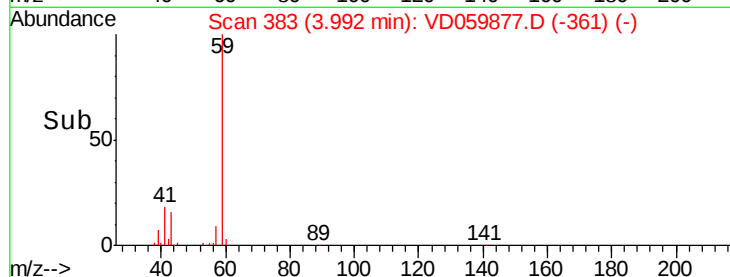
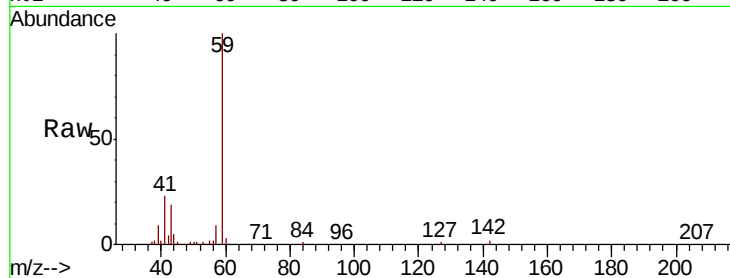


#11

Tert butyl alcohol
Concen: 759.714 ug/l
RT: 3.99 min Scan# 383
Delta R.T. 0.02 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

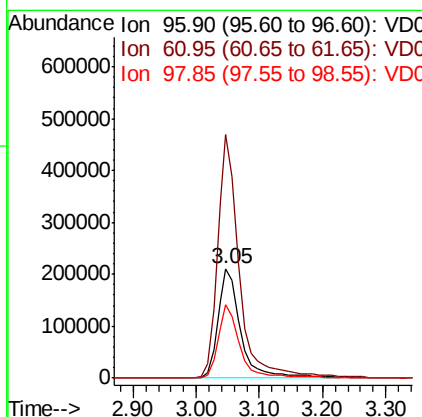
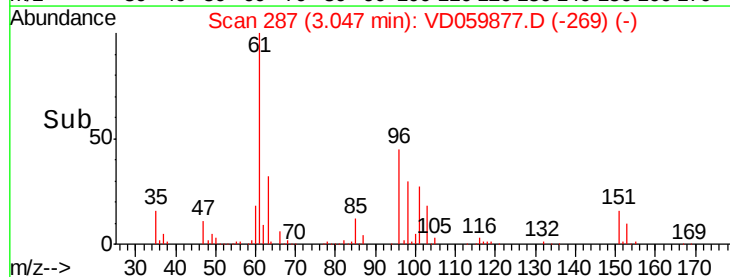
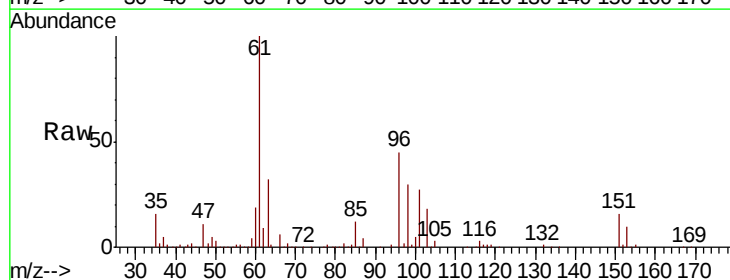
Tgt Ion: 59 Resp: 599642
Ion Ratio Lower Upper
59 100
57 9.3 7.4 11.0

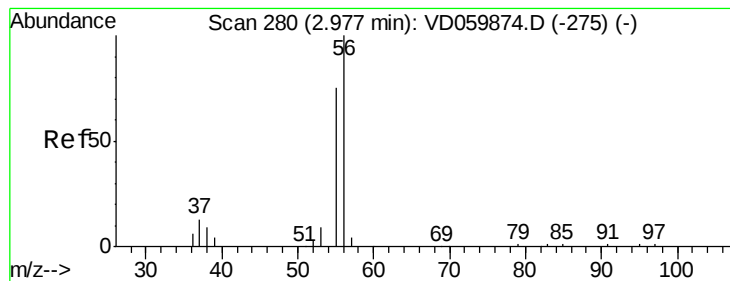


#12

1,1-Dichloroethene
Concen: 131.952 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 96 Resp: 528705
Ion Ratio Lower Upper
96 100
61 221.7 158.8 238.2
98 66.6 48.7 73.1





#13

Acrolein

Concen: 818.327 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

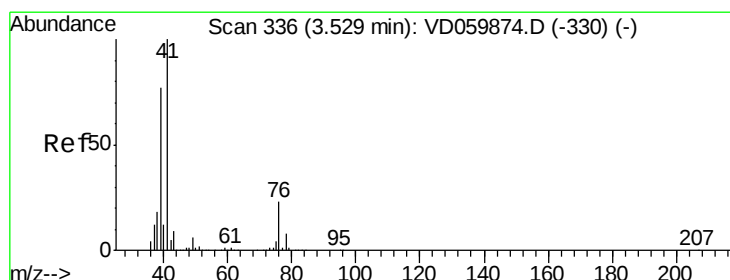
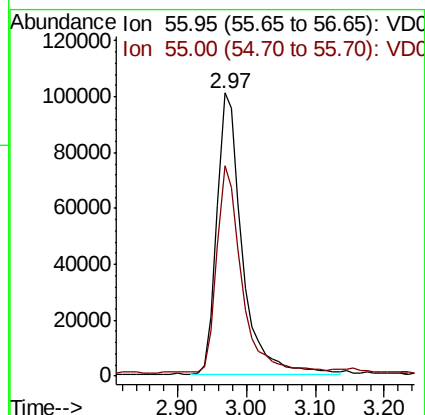
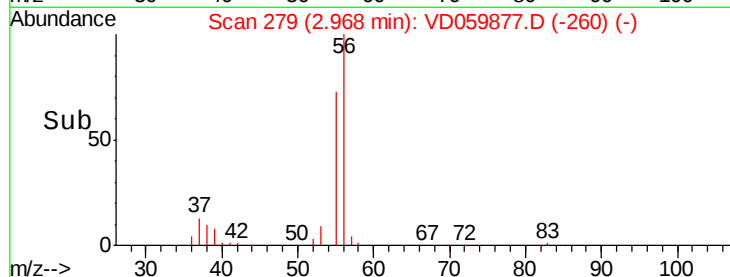
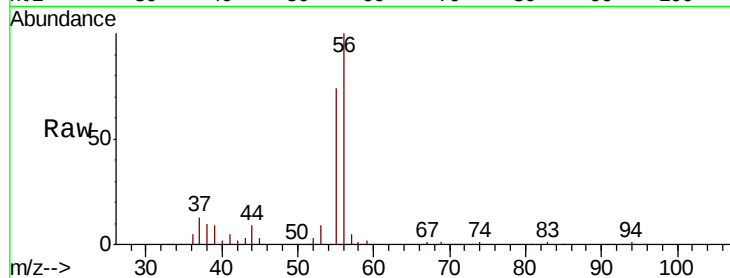
VSTDIC150

Tgt Ion: 56 Resp: 256194

Ion Ratio Lower Upper

56 100

55 74.2 61.9 92.9



#14

Allyl chloride

Concen: 141.791 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

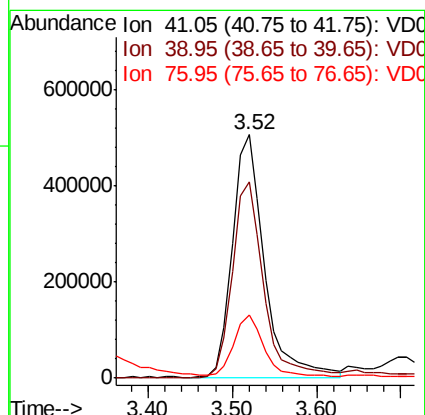
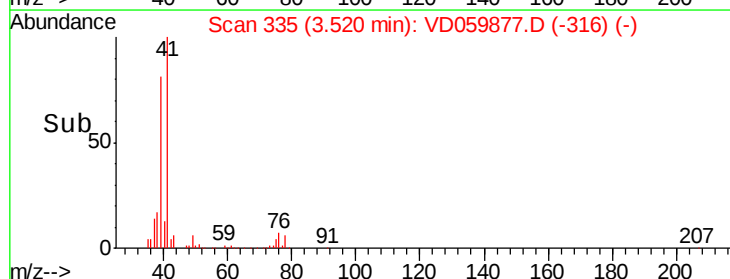
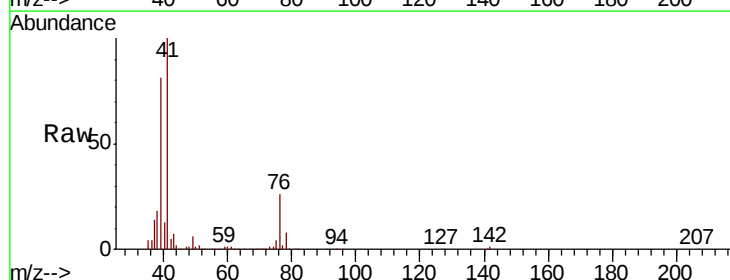
Tgt Ion: 41 Resp: 1337891

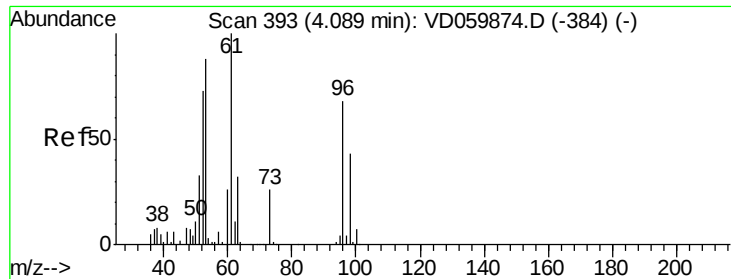
Ion Ratio Lower Upper

41 100

39 80.7 61.8 92.6

76 25.9 19.4 29.2





#15

Acrylonitrile

Concen: 695.338 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

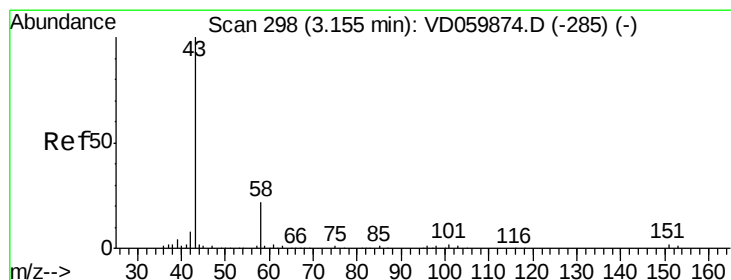
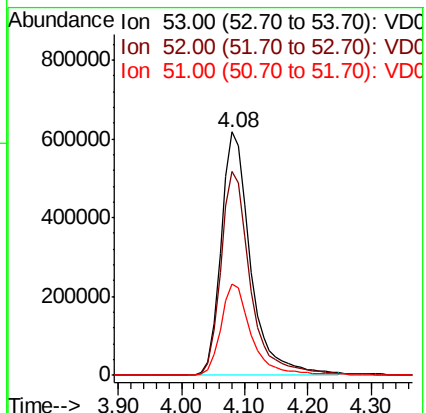
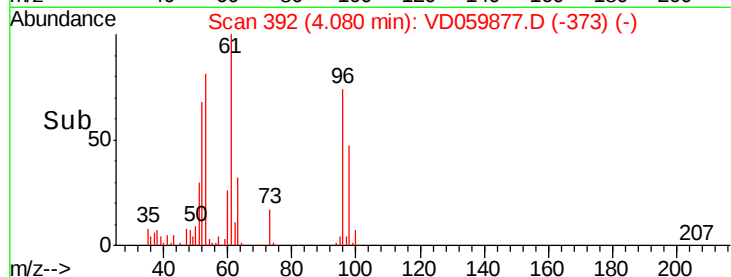
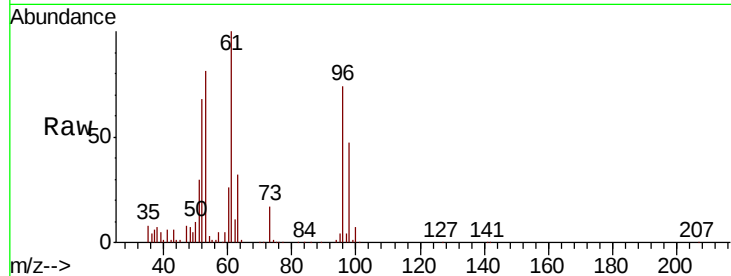
Tgt Ion: 53 Resp: 2002848

Ion Ratio Lower Upper

53 100

52 83.8 66.9 100.3

51 37.2 30.3 45.5



#16

Acetone

Concen: 729.915 ug/l

RT: 3.16 min Scan# 298

Delta R.T. 0.00 min

Lab File: VD059877.D

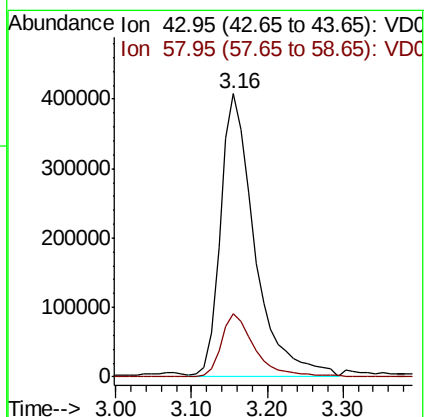
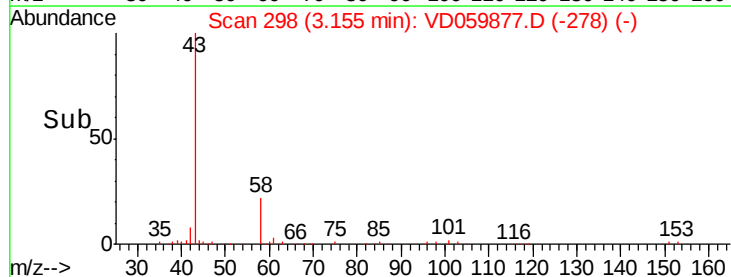
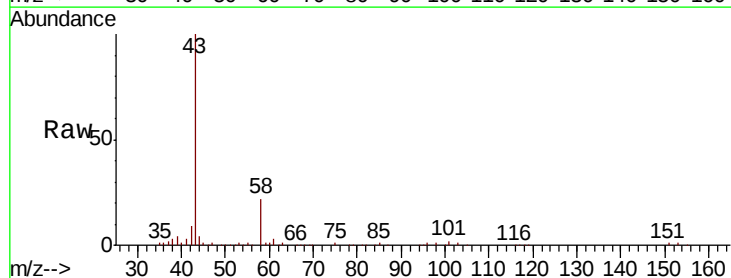
Acq: 22 Aug 2018 15:34

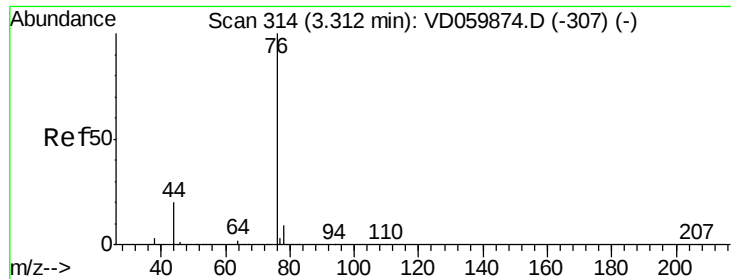
Tgt Ion: 43 Resp: 1281725

Ion Ratio Lower Upper

43 100

58 22.2 17.6 26.4

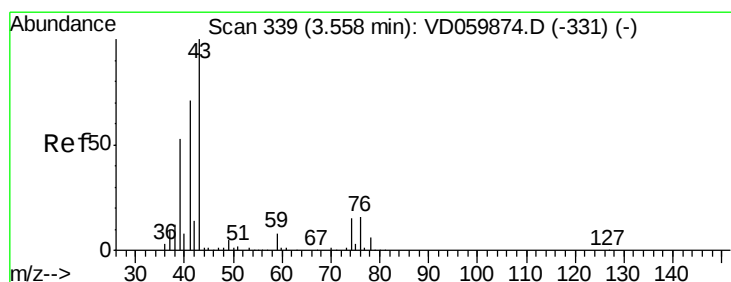
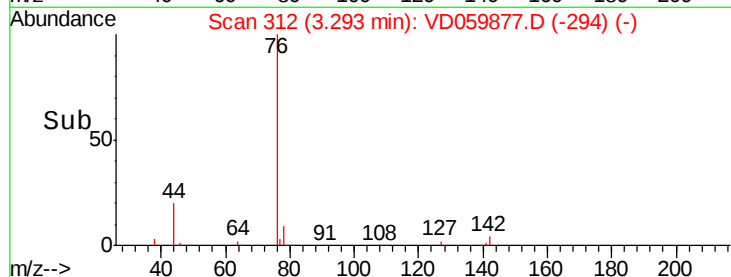
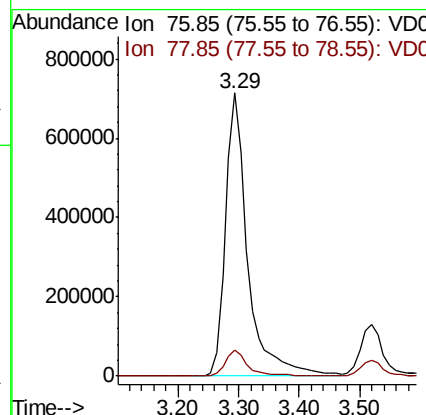
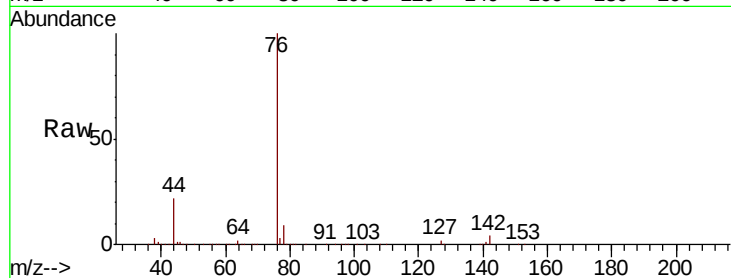




#17
Carbon Disulfide
Concen: 145.862 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

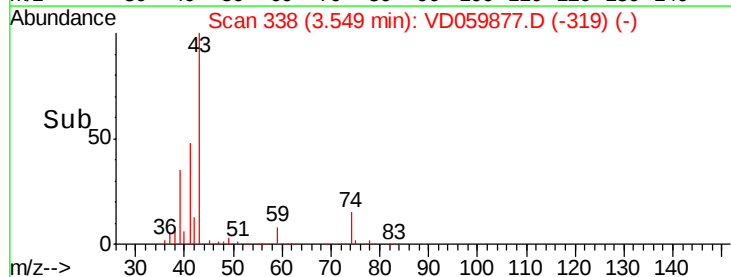
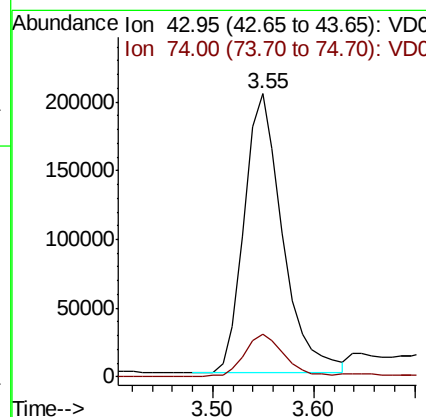
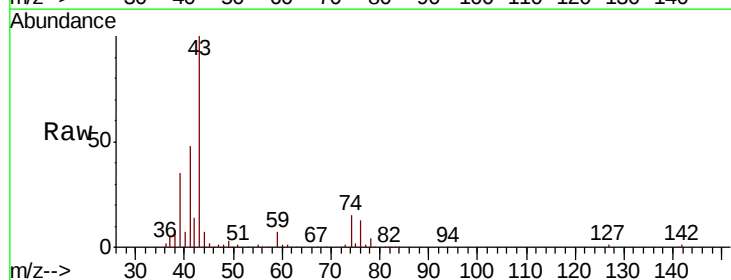
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 1817617
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 139.762 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.01 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 43 Resp: 541208
Ion Ratio Lower Upper
43 100
74 15.1 11.2 16.8



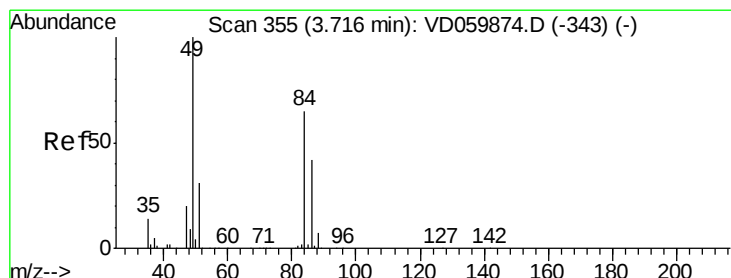
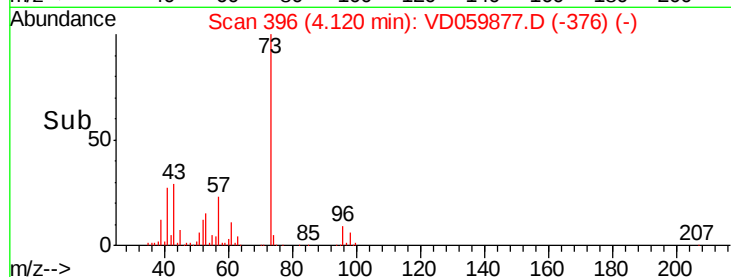
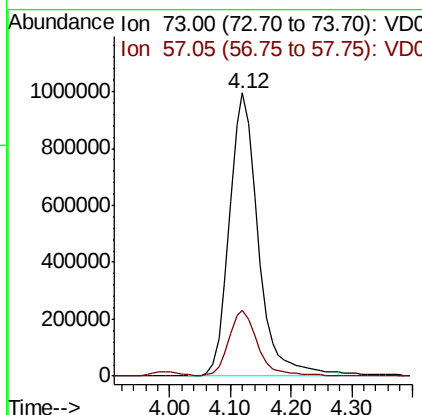
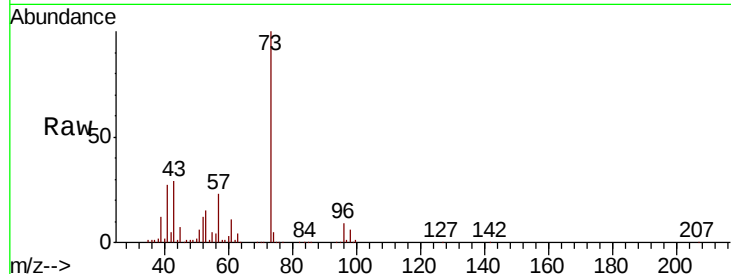


#19

Methyl tert-butyl Ether
 Concen: 138.008 ug/l
 RT: 4.12 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC150

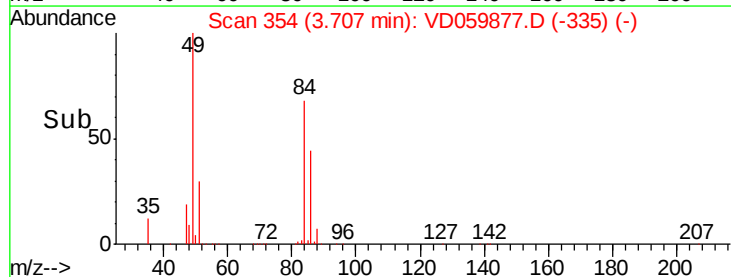
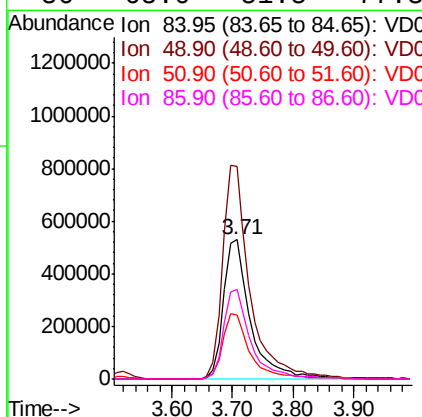
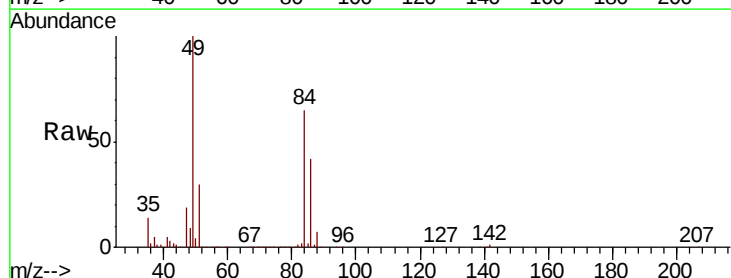
Tgt Ion: 73 Resp: 3309474
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.9 26.9



#20

Methylene Chloride
 Concen: 113.570 ug/l
 RT: 3.71 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion: 84 Resp: 1636263
 Ion Ratio Lower Upper
 84 100
 49 153.3 122.6 183.8
 51 46.5 38.4 57.6
 86 65.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 140.960 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.02 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

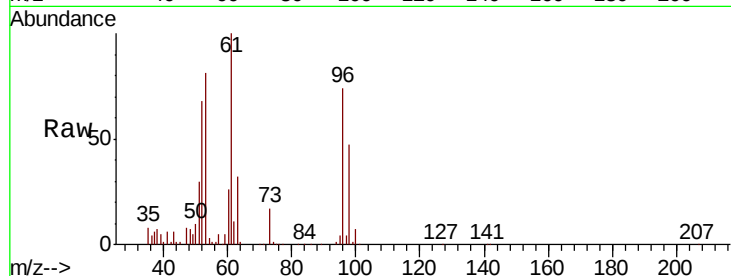
Tgt Ion: 96 Resp: 1599540

Ion Ratio Lower Upper

96 100

61 135.2 110.2 165.4

98 63.9 50.9 76.3

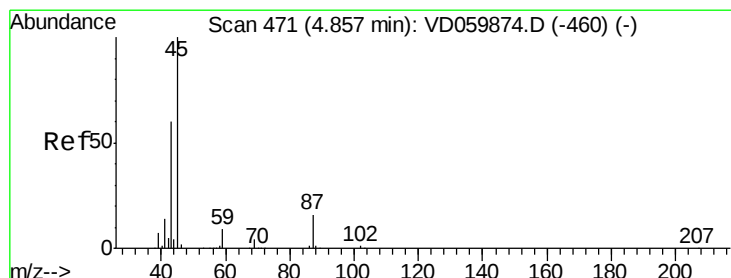
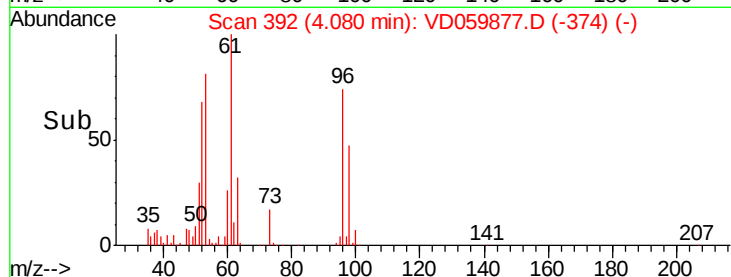
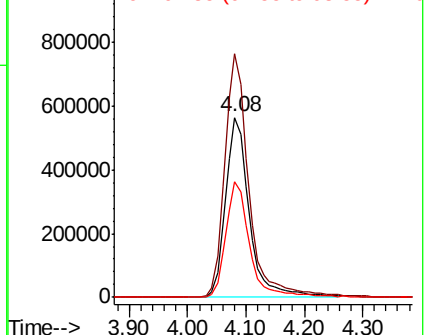


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 134.323 ug/l

RT: 4.86 min Scan# 471

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Tgt Ion: 45 Resp: 6449151

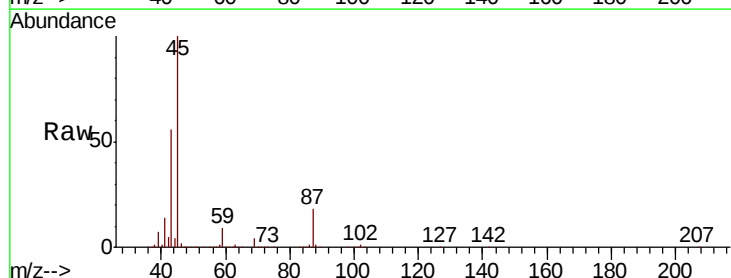
Ion Ratio Lower Upper

45 100

43 55.6 48.6 72.8

87 17.6 13.3 19.9

59 9.1 7.1 10.7



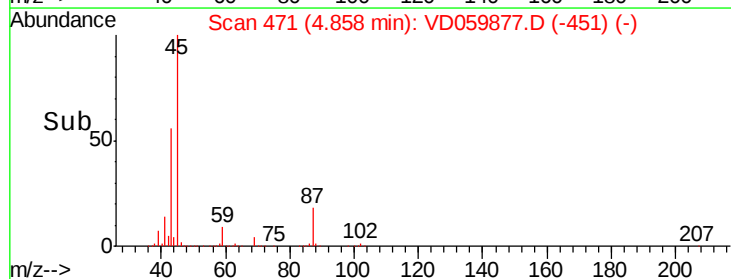
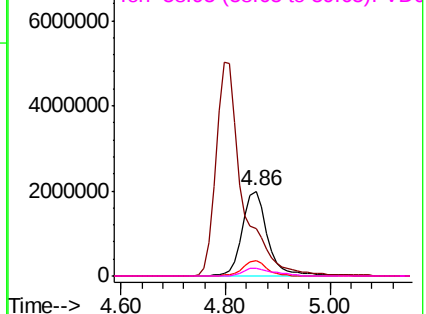
Abundance

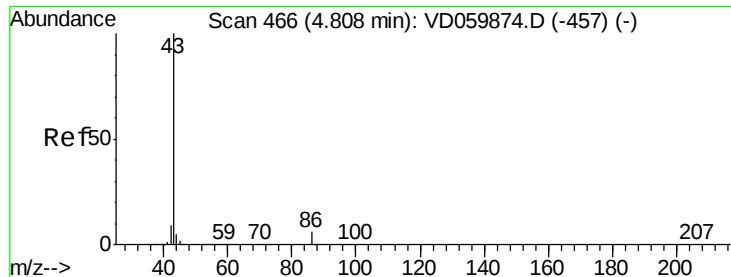
Ion 45.05 (44.75 to 45.75): VDC

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: 652.615 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

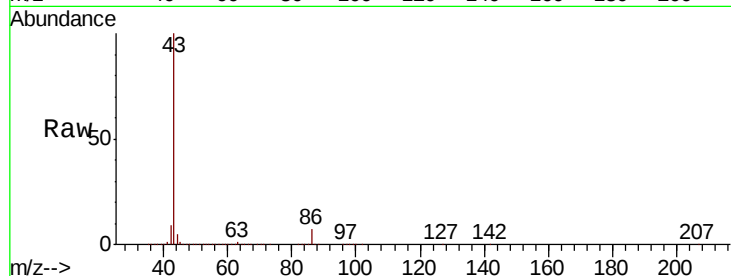
VSTDIC150

Tgt Ion: 43 Resp:17461438

Ion Ratio Lower Upper

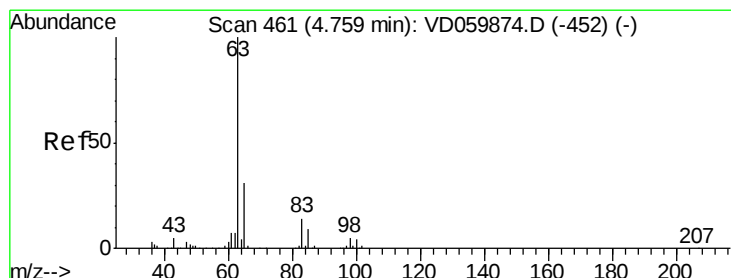
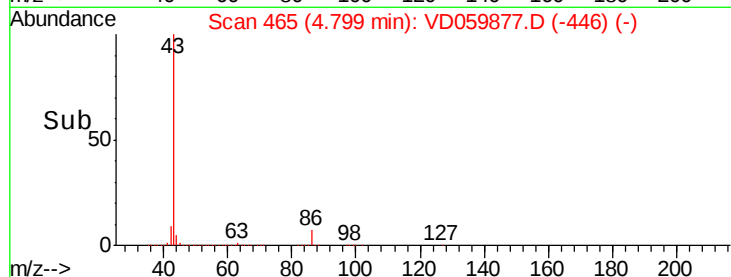
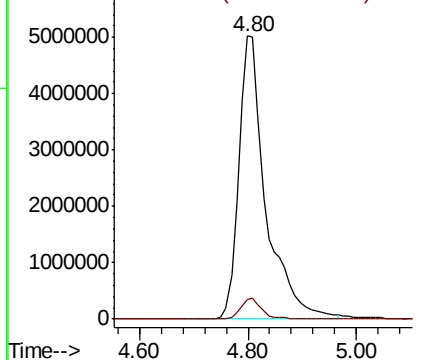
43 100

86 6.8 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 139.192 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

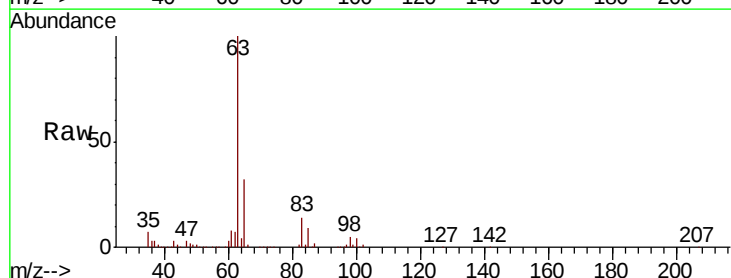
Tgt Ion: 63 Resp: 2881989

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

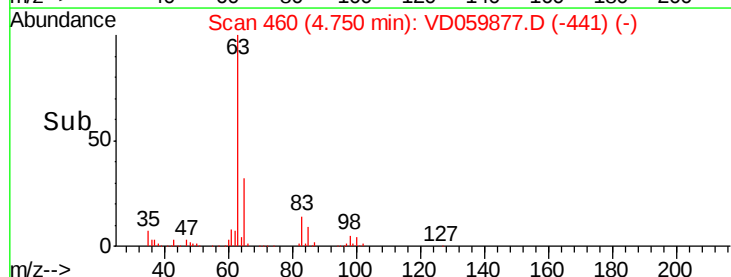
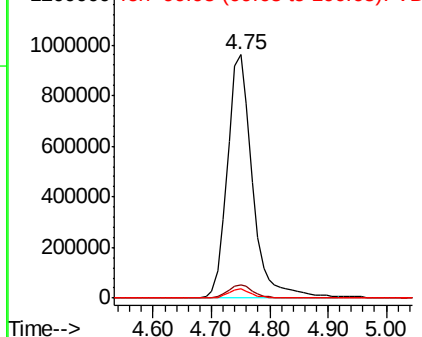
100 3.8 1.8 5.3

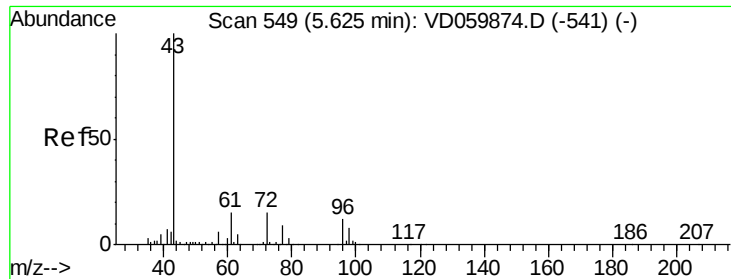


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 767.971 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

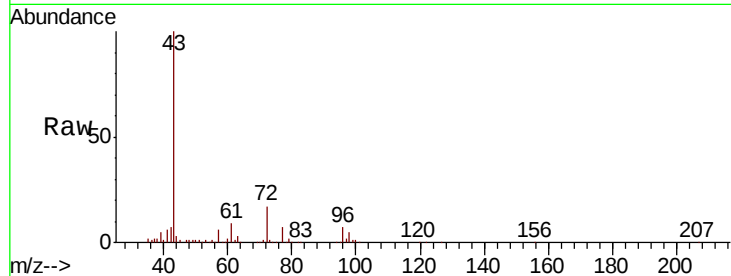
VSTDIC150

Tgt Ion: 43 Resp: 4027453

Ion Ratio Lower Upper

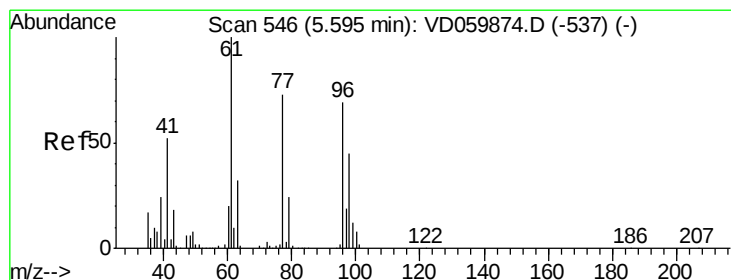
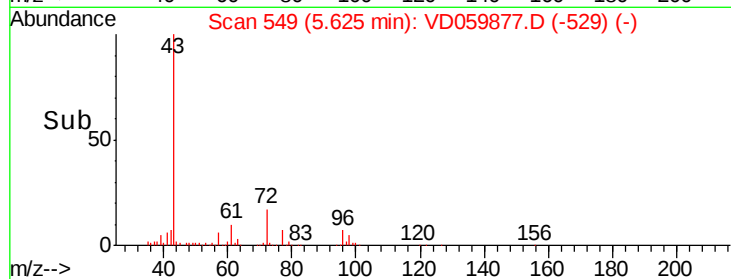
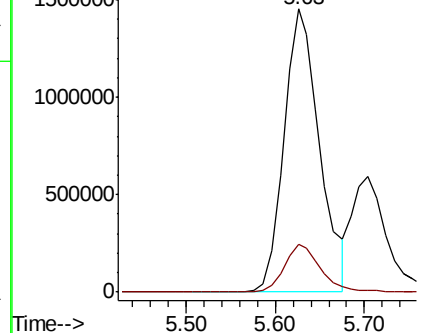
43 100

72 16.7 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 127.941 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059877.D

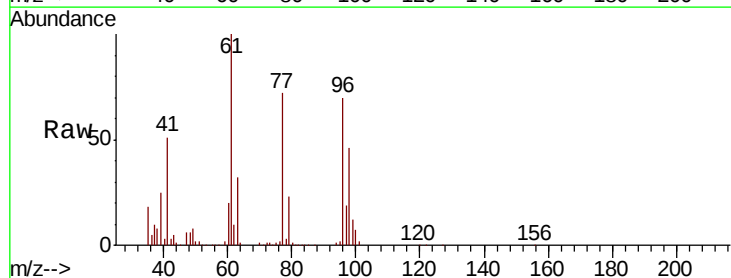
Acq: 22 Aug 2018 15:34

Tgt Ion: 77 Resp: 2164065

Ion Ratio Lower Upper

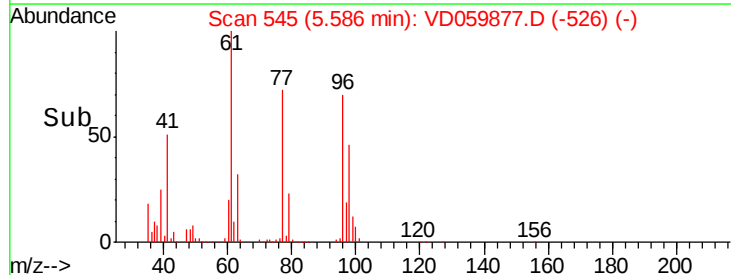
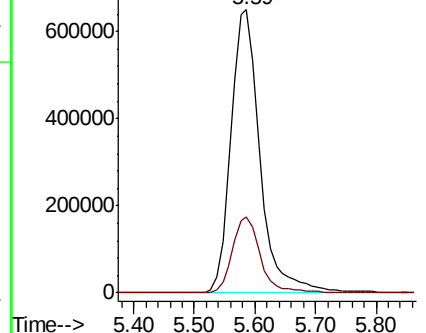
77 100

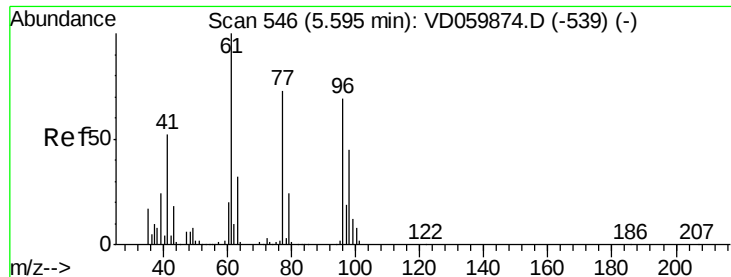
97 26.8 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



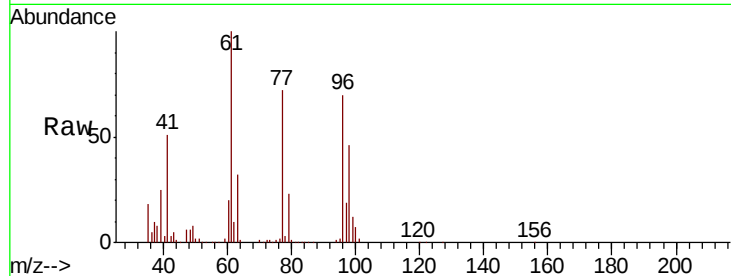


#27

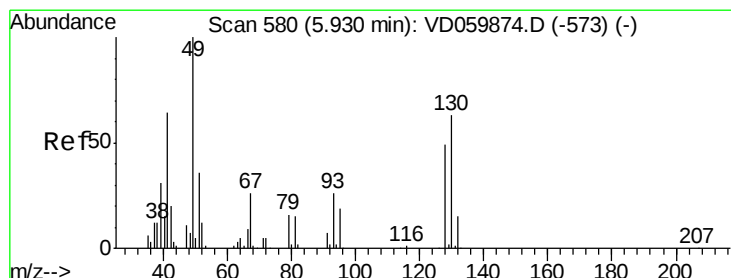
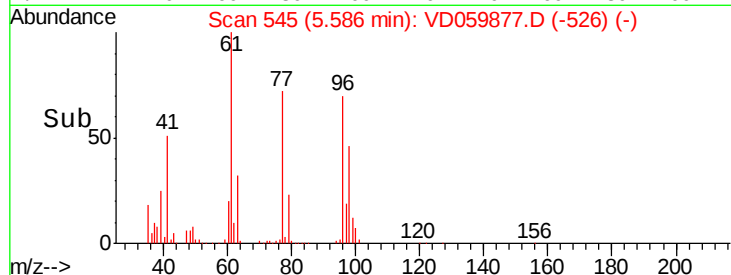
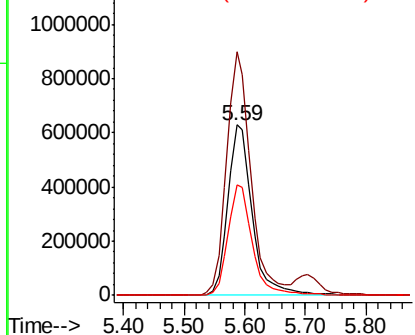
cis-1,2-Dichloroethene
Concen: 140.054 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 1764110
Ion Ratio Lower Upper
96 100
61 142.9 0.0 290.2
98 65.2 0.0 130.4



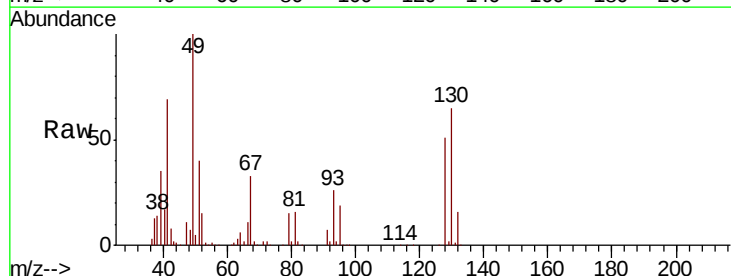
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



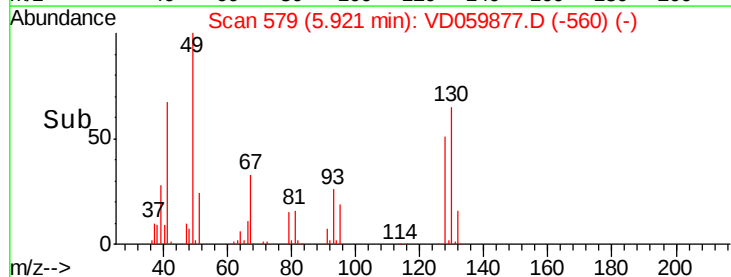
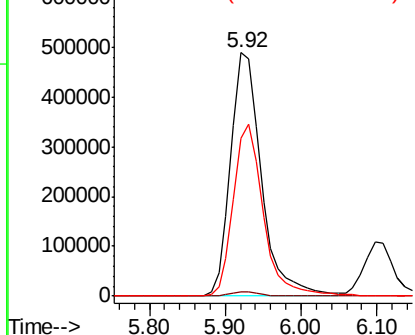
#28

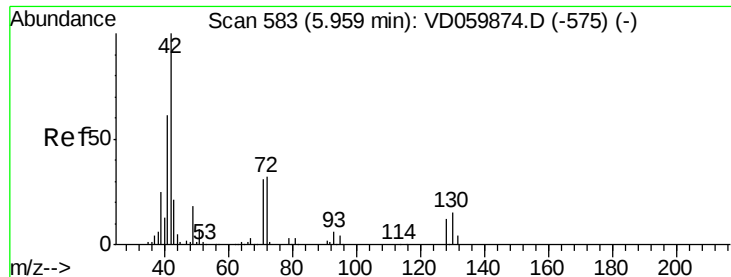
Bromochloromethane
Concen: 138.655 ug/l
RT: 5.92 min Scan# 579
Delta R.T. -0.01 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 49 Resp: 1378984
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.2
130 64.9 50.6 75.8



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

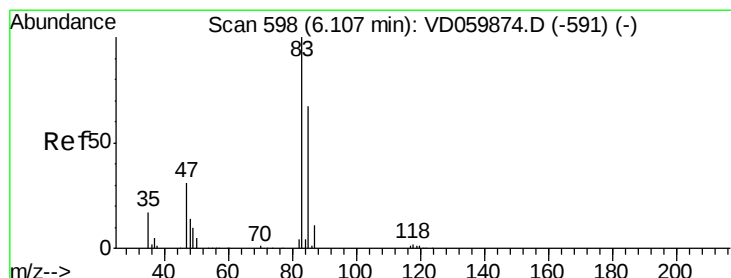
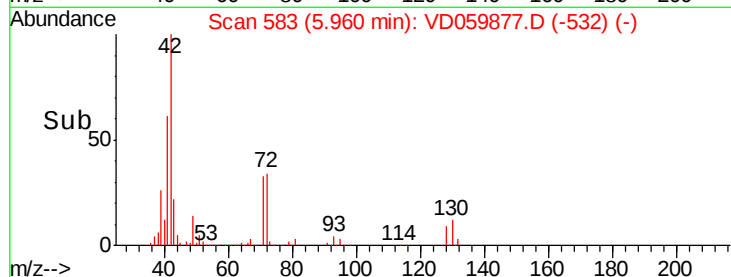
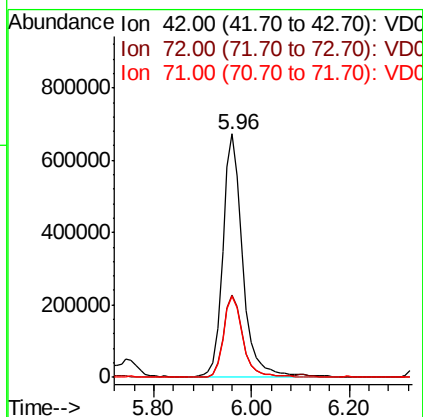
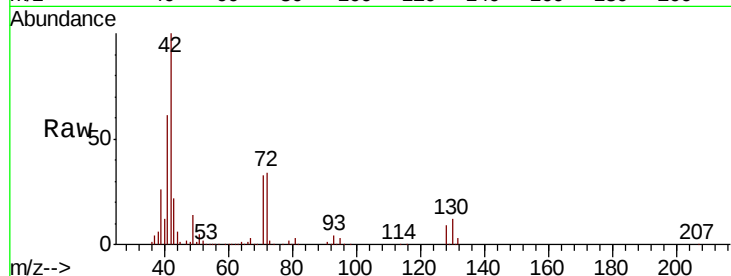




#29
Tetrahydrofuran
Concen: 717.889 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

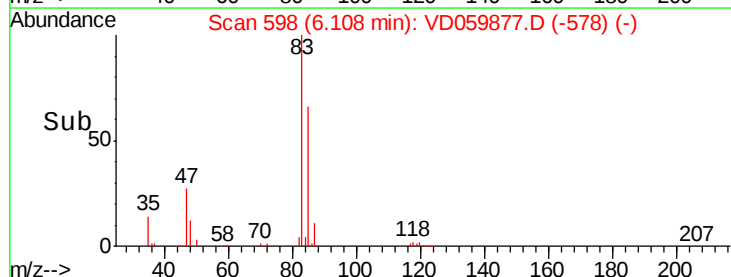
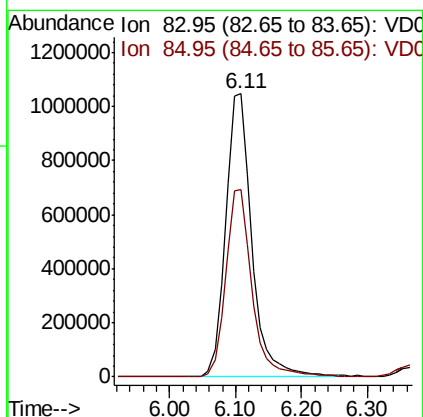
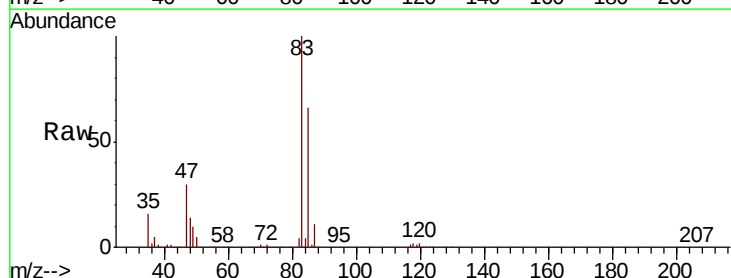
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

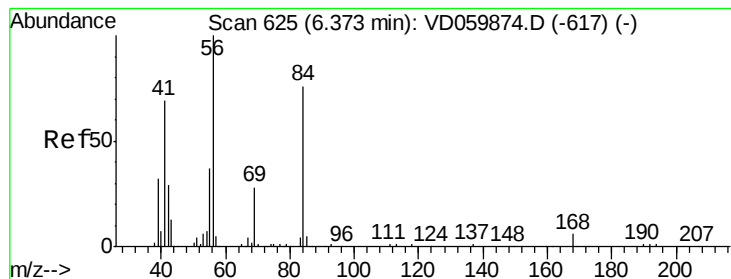
Tgt Ion: 42 Resp: 1878591
Ion Ratio Lower Upper
42 100
72 33.0 25.7 38.5
71 32.8 25.3 37.9



#30
Chloroform
Concen: 138.035 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 83 Resp: 2917743
Ion Ratio Lower Upper
83 100
85 66.4 53.5 80.3





#31

Cyclohexane

Concen: 130.715 ug/l

RT: 6.36 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

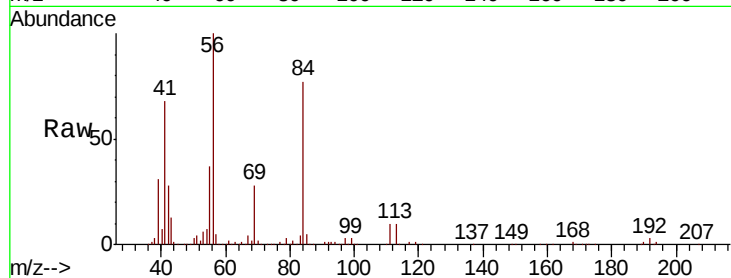
Tgt Ion: 56 Resp: 2472155

Ion Ratio Lower Upper

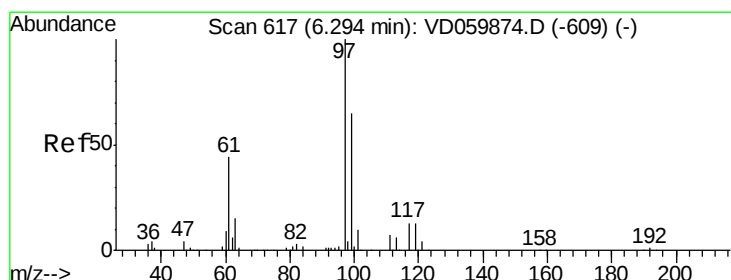
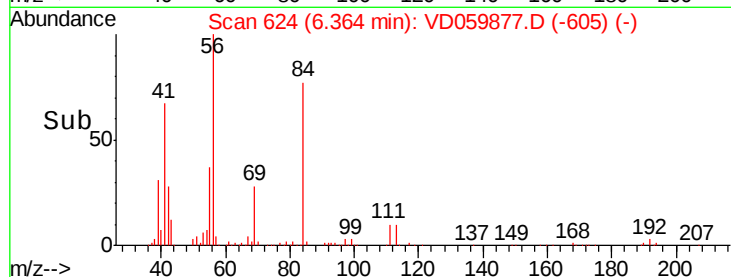
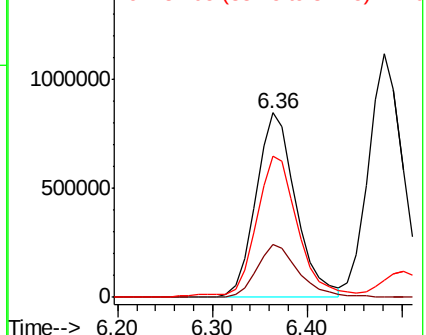
56 100

69 28.4 22.4 33.6

84 77.0 62.1 93.1



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: 136.227 ug/l

RT: 6.29 min Scan# 617

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

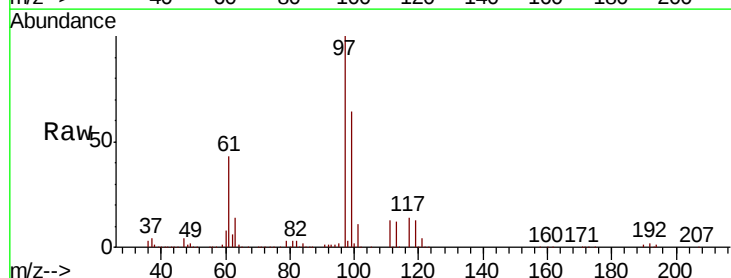
Tgt Ion: 97 Resp: 2442358

Ion Ratio Lower Upper

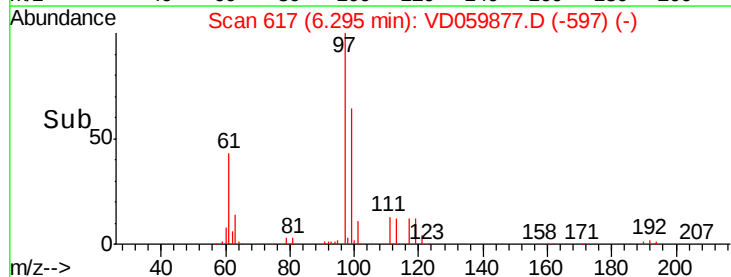
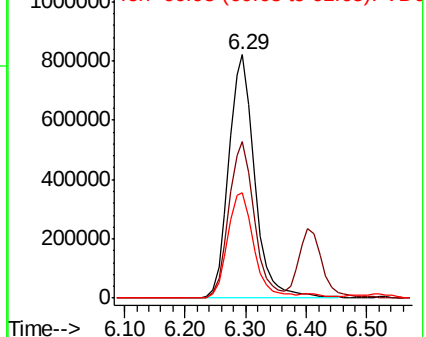
97 100

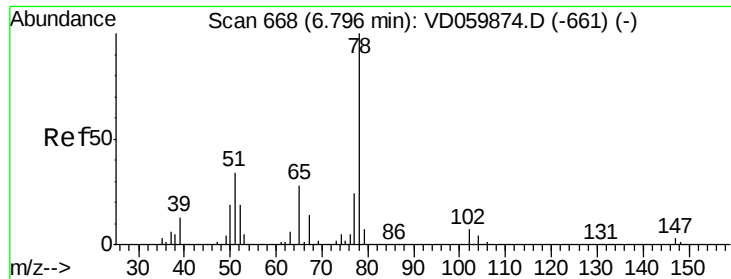
99 64.3 51.7 77.5

61 43.5 35.4 53.2



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: 136.227 ug/l

RT: 6.79 min Scan# 667

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

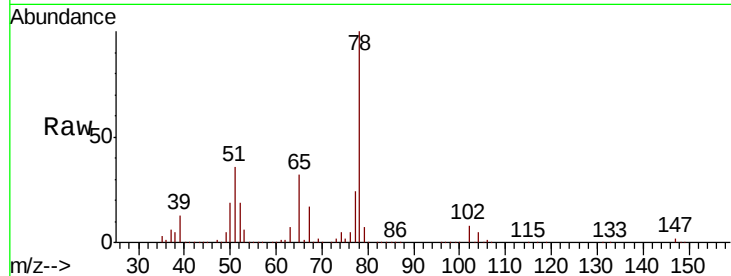
VSTDIC150

Tgt Ion: 65 Resp: 1309150

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

600000

500000

400000

300000

200000

100000

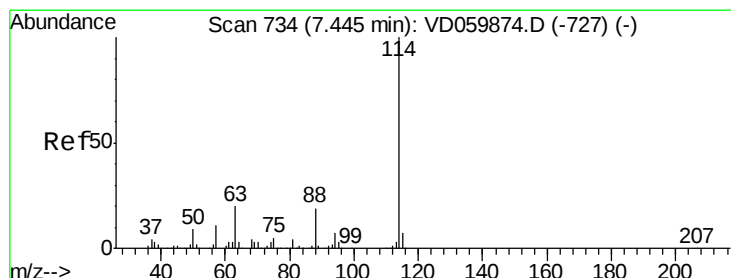
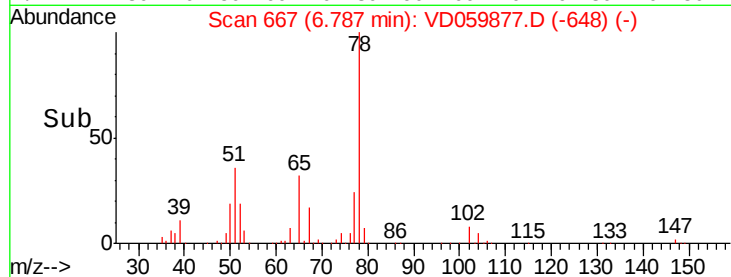
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

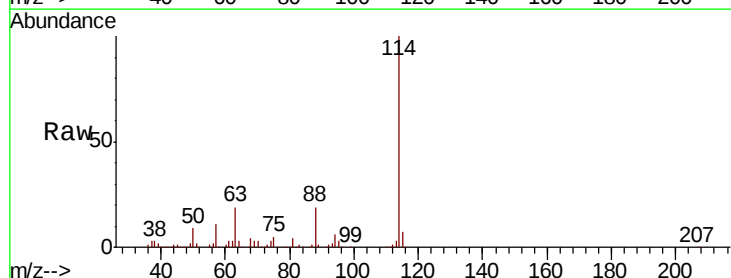
Tgt Ion: 114 Resp: 1657562

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.4

88 18.5 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

600000

400000

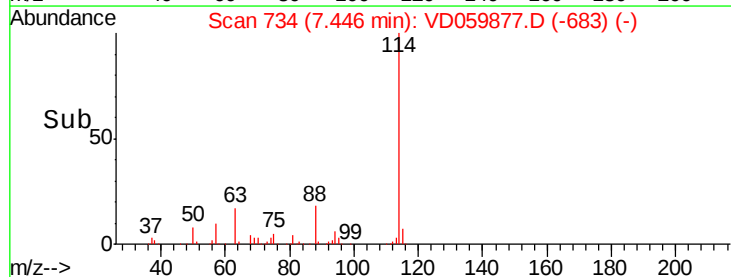
200000

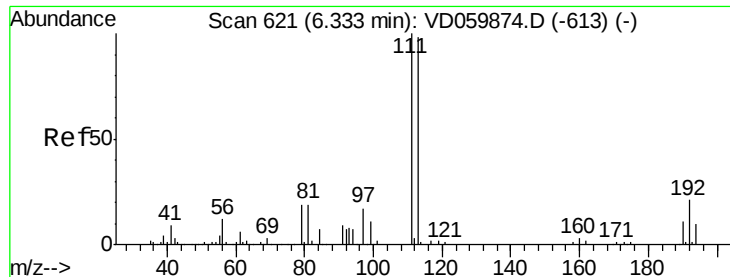
0

7.40

7.60

Time-->

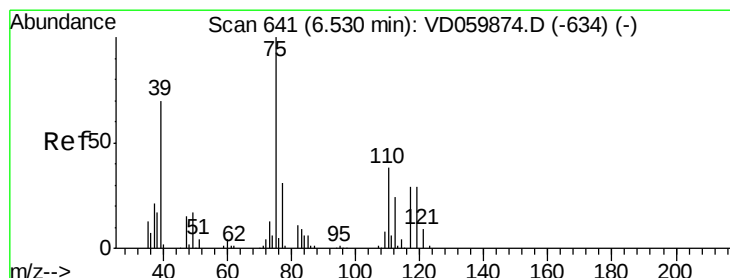
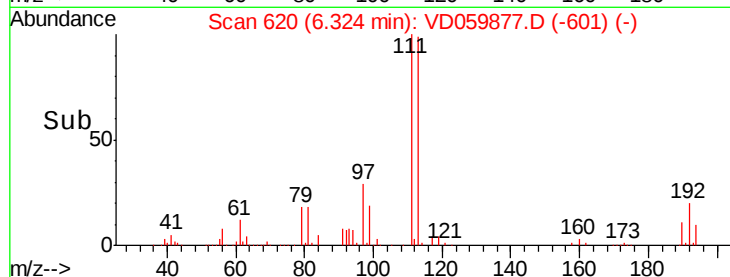
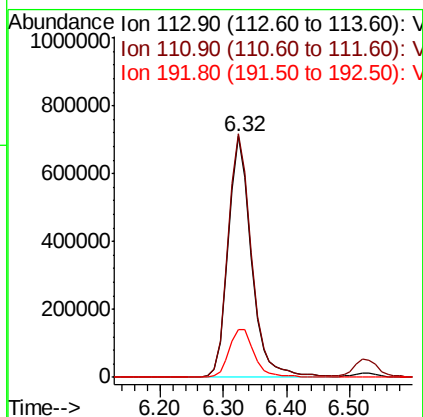
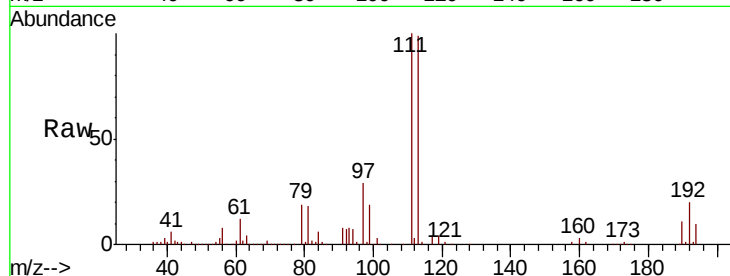




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

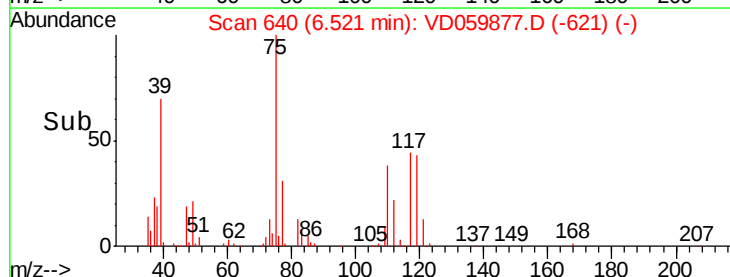
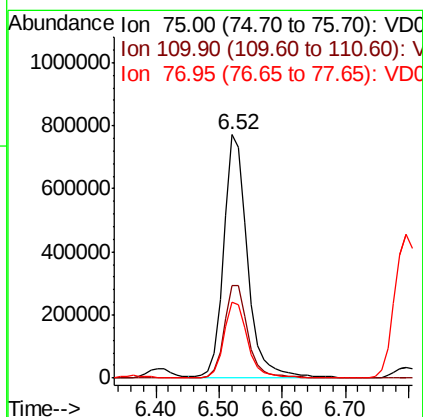
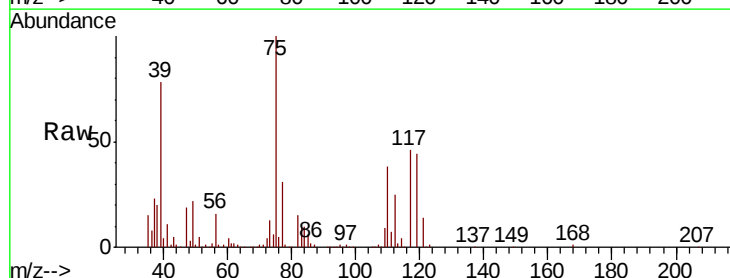
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

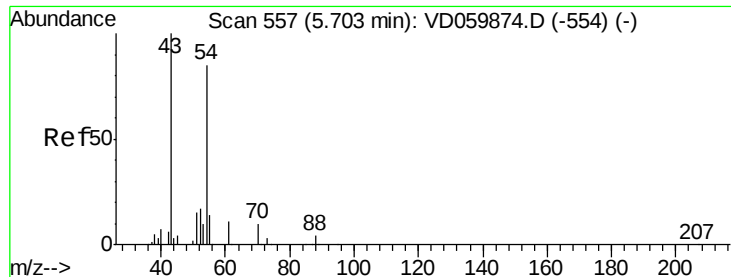
Tgt Ion:113 Resp: 1805333
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.4 122.2
 192 19.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 135.175 ug/l
 RT: 6.52 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion: 75 Resp: 1987091
 Ion Ratio Lower Upper
 75 100
 110 38.2 18.6 56.0
 77 31.3 25.1 37.7

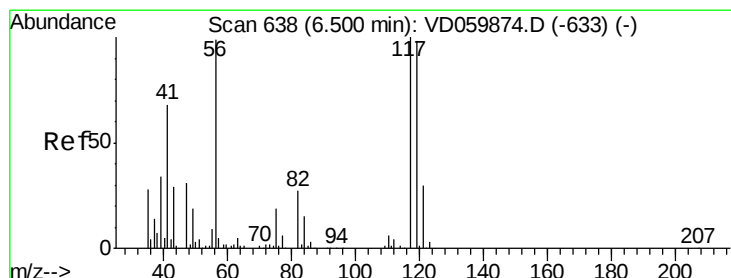
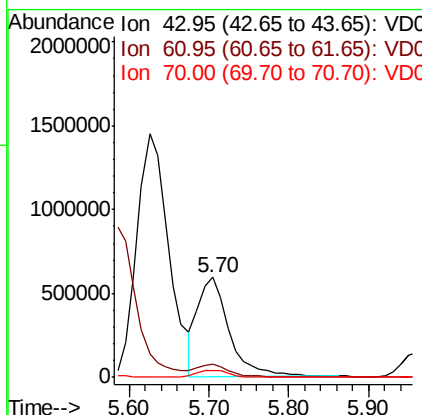
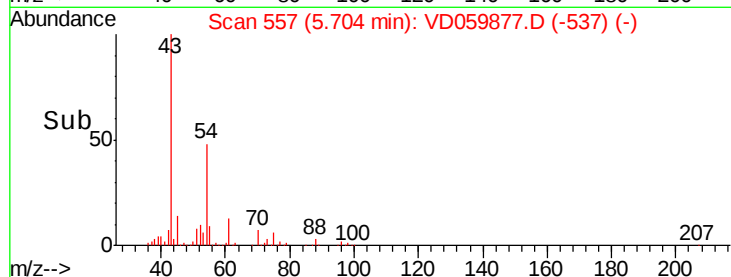
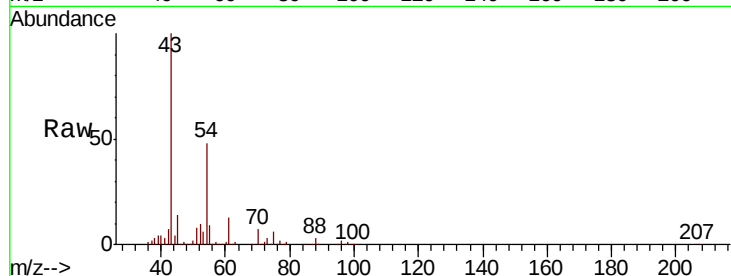




#37
Ethyl Acetate
Concen: 136.251 ug/l
RT: 5.70 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

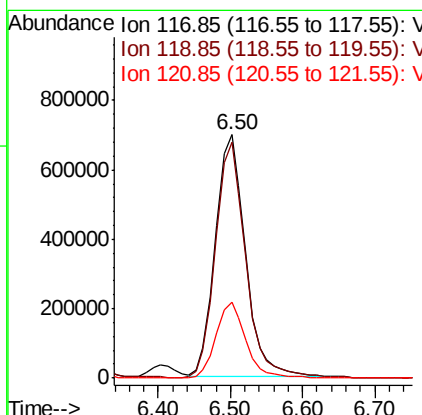
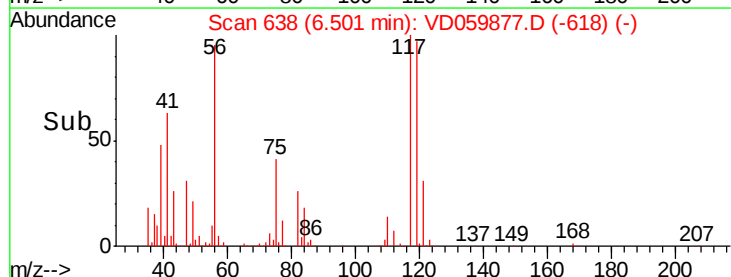
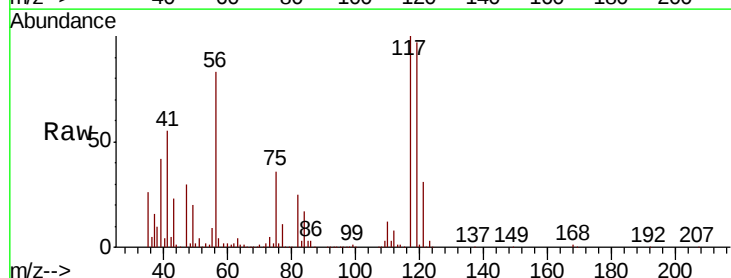
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

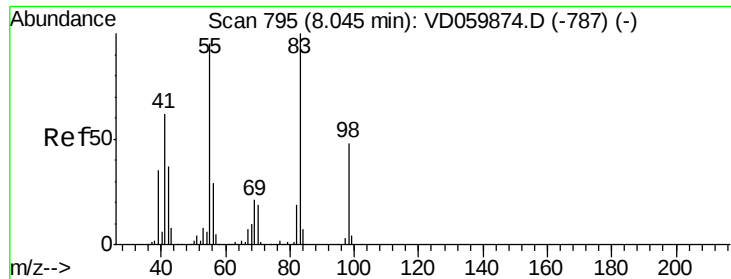
Tgt Ion: 43 Resp: 1607253
Ion Ratio Lower Upper
43 100
61 13.0 11.0 16.6
70 7.3 5.7 8.5



#38
Carbon Tetrachloride
Concen: 135.383 ug/l
RT: 6.50 min Scan# 638
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 117 Resp: 2017213
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8
121 31.1 24.0 36.0

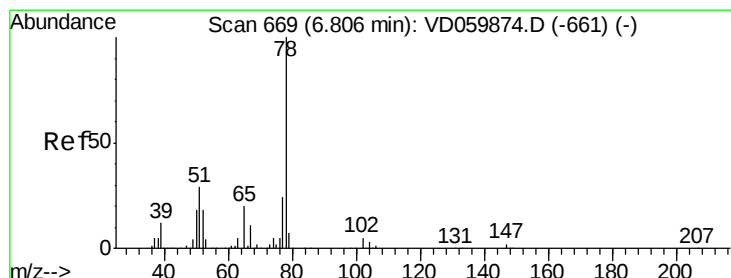
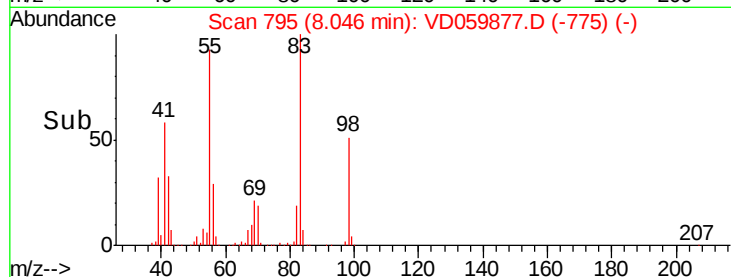
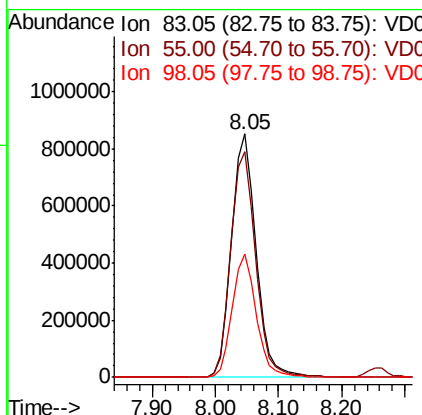
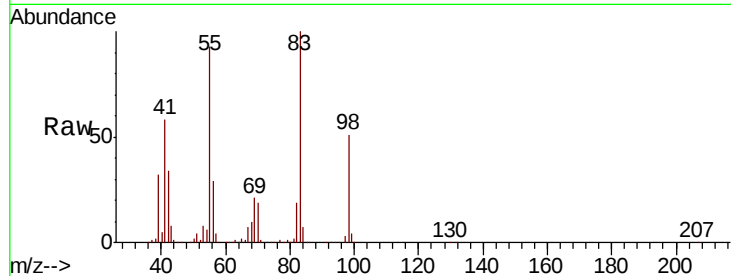




#39
Methylcyclohexane
Concen: 141.156 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

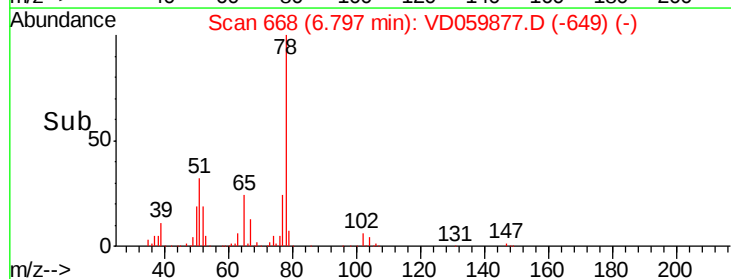
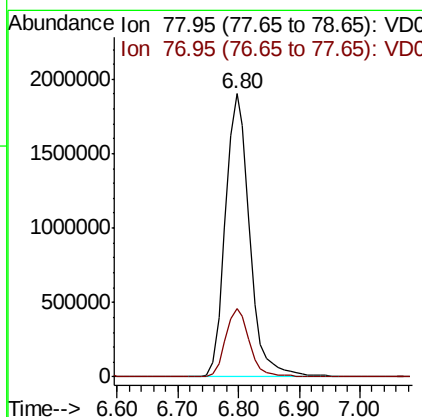
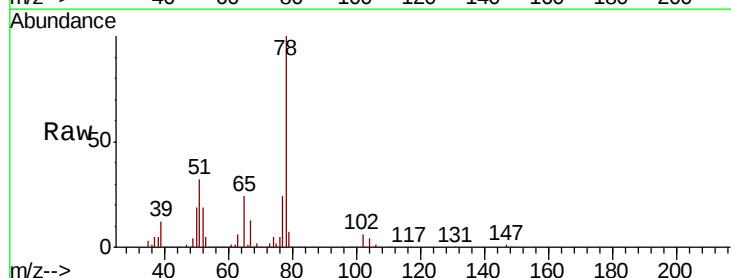
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

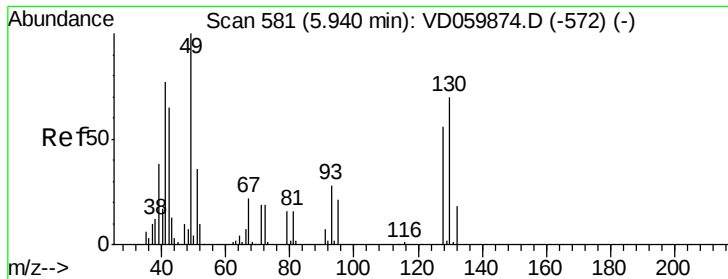
Tgt Ion: 83 Resp: 2290436
Ion Ratio Lower Upper
83 100
55 92.6 75.8 113.6
98 50.9 38.3 57.5



#40
Benzene
Concen: 137.226 ug/l
RT: 6.80 min Scan# 668
Delta R.T. -0.01 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 78 Resp: 5286620
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4





#41

Methacrylonitrile

Concen: 176.982 ug/l

RT: 5.96 min Scan# 583

Delta R.T. 0.02 min

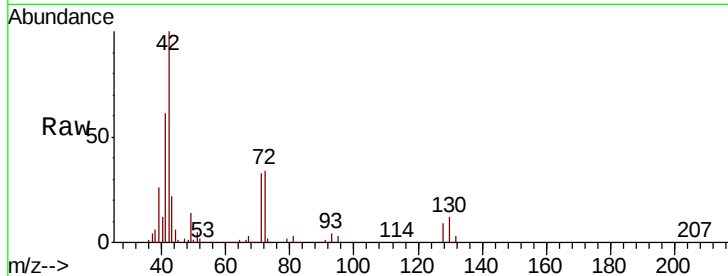
Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

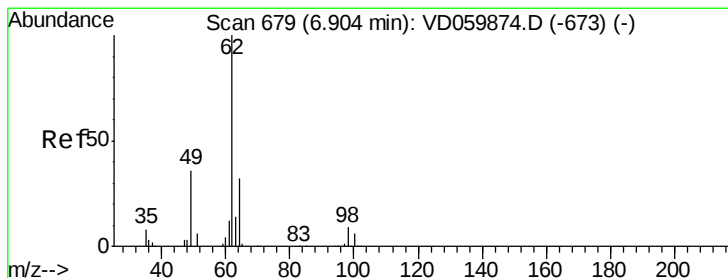
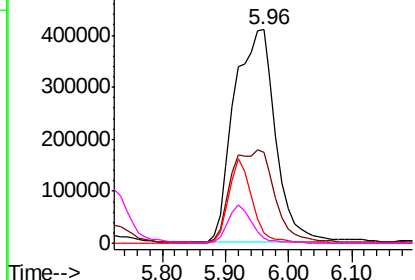
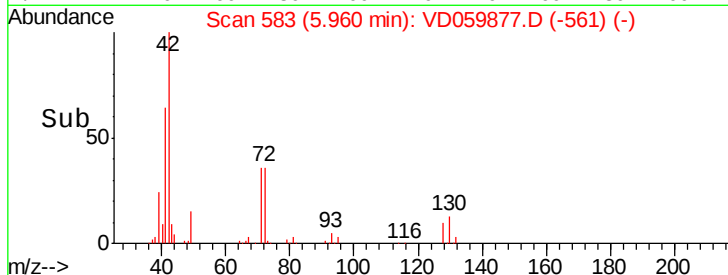
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 41 Resp: 1873639

Ion	Ratio	Lower	Upper
41	100		
39	42.7	39.4	59.2
67	5.1	22.2	33.2#
52	2.5	10.1	15.1#



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



#42

1,2-Dichloroethane

Concen: 142.708 ug/l

RT: 6.89 min Scan# 678

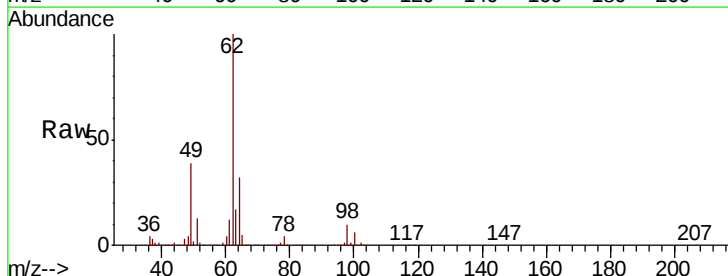
Delta R.T. -0.01 min

Lab File: VD059877.D

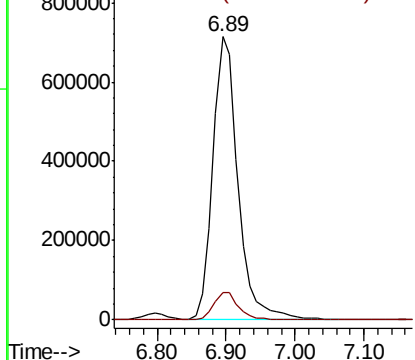
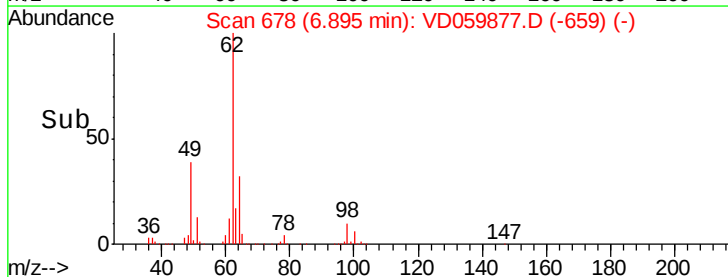
Acq: 22 Aug 2018 15:34

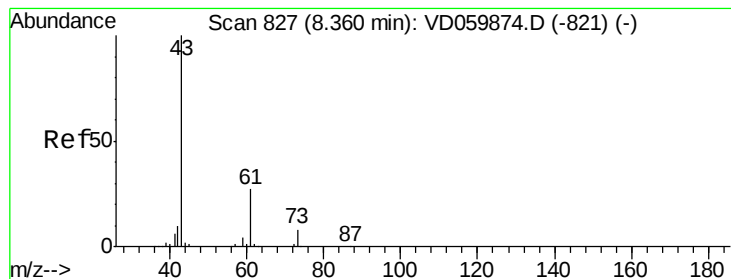
Tgt Ion: 62 Resp: 1793280

Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 149.876 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

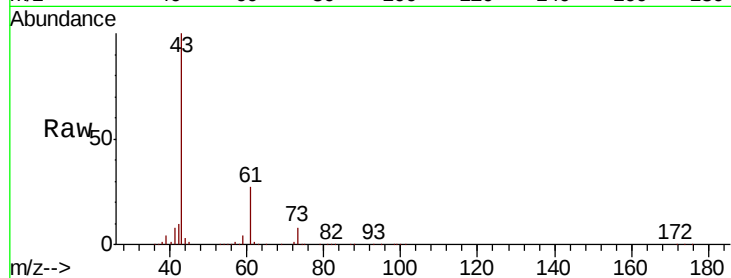
Tgt Ion: 43 Resp: 2323161

Ion Ratio Lower Upper

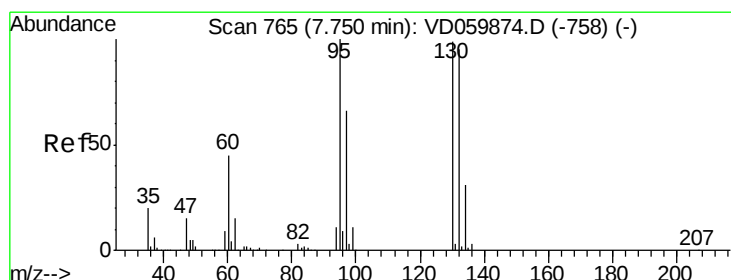
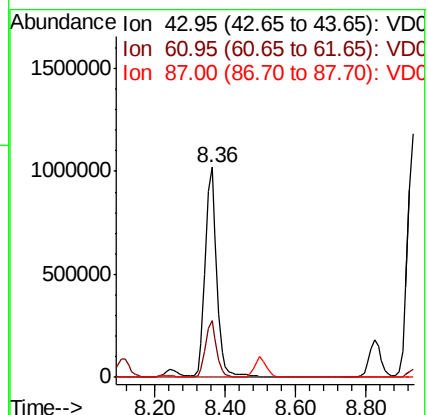
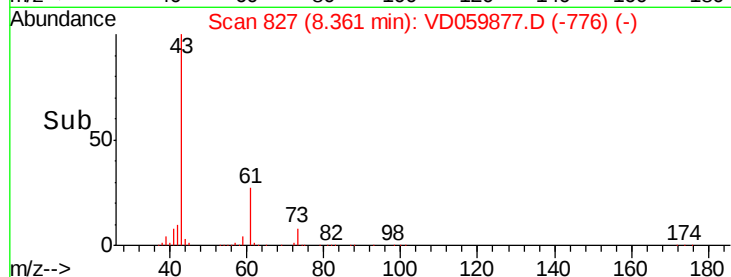
43 100

61 27.3 21.4 32.2

87 0.3 0.2 0.4



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: 147.117 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059877.D

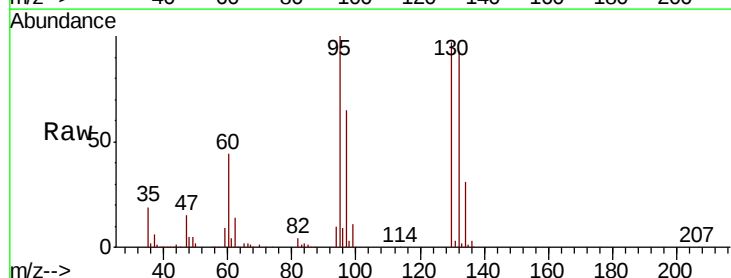
Acq: 22 Aug 2018 15:34

Tgt Ion: 130 Resp: 1664790

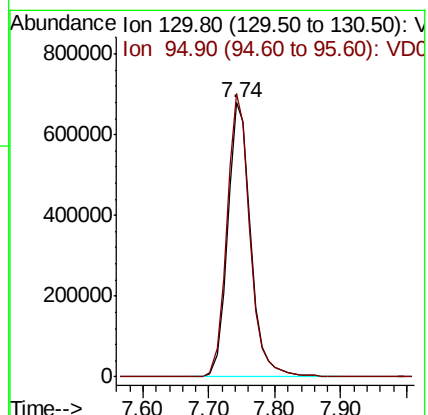
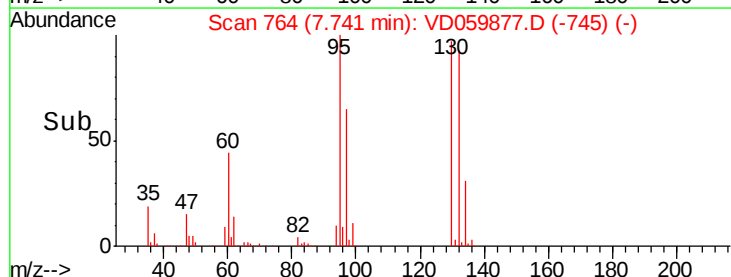
Ion Ratio Lower Upper

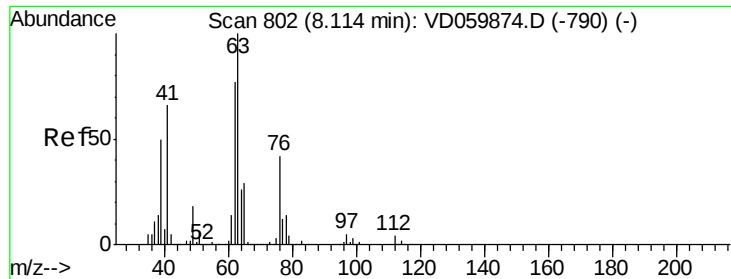
130 100

95 103.3 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 145.075 ug/l

RT: 8.11 min Scan# 801

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

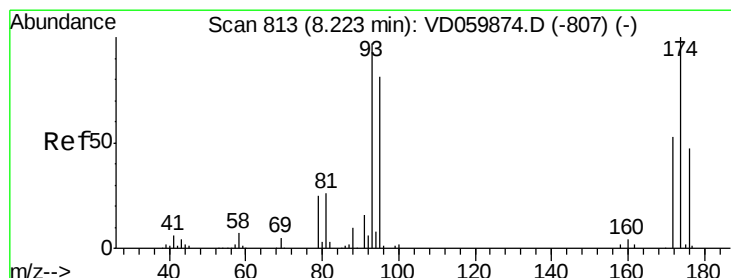
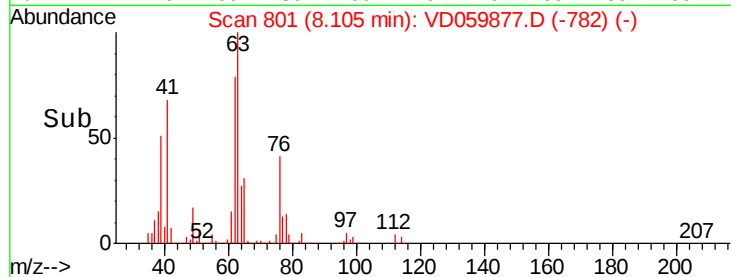
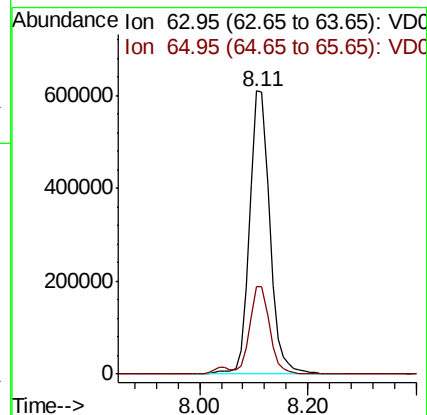
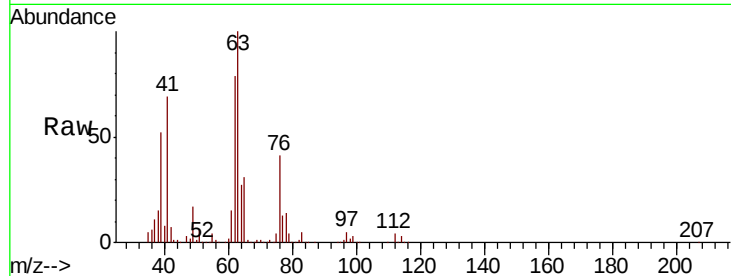
VSTDIC150

Tgt Ion: 63 Resp: 1582383

Ion Ratio Lower Upper

63 100

65 31.0 23.5 35.3



#46

Dibromomethane

Concen: 142.840 ug/l

RT: 8.22 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

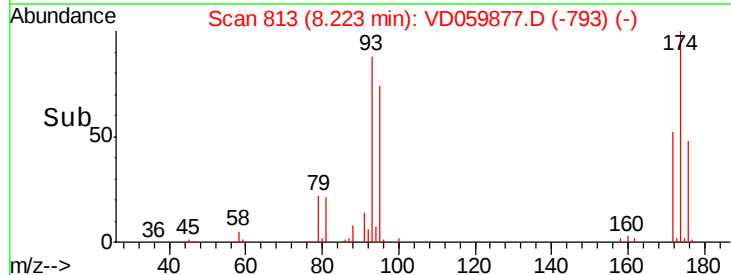
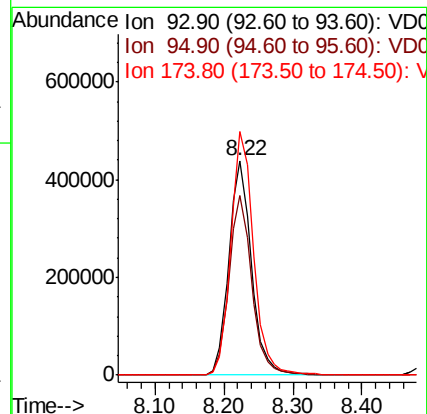
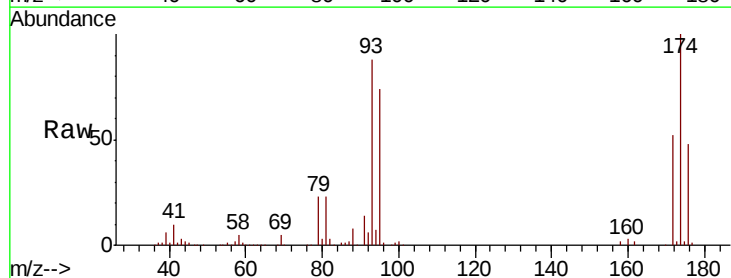
Tgt Ion: 93 Resp: 998521

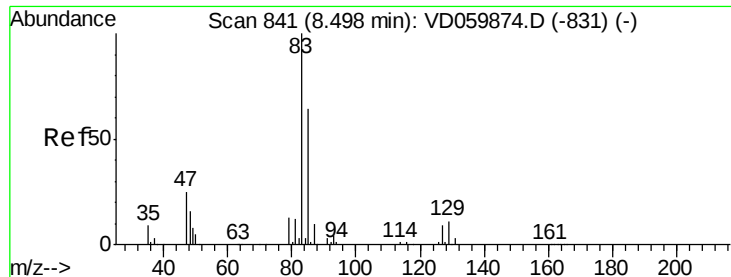
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 113.5 82.4 123.6





#47

Bromodichloromethane

Concen: 139.652 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

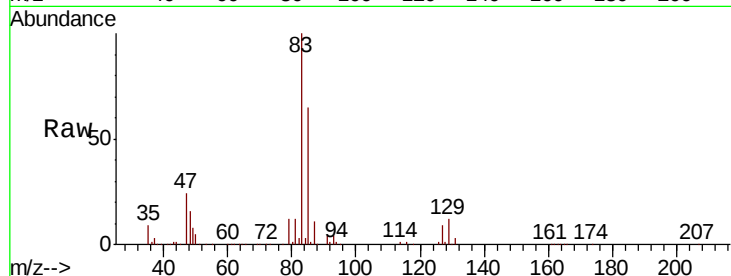
Tgt Ion: 83 Resp: 2206670

Ion Ratio Lower Upper

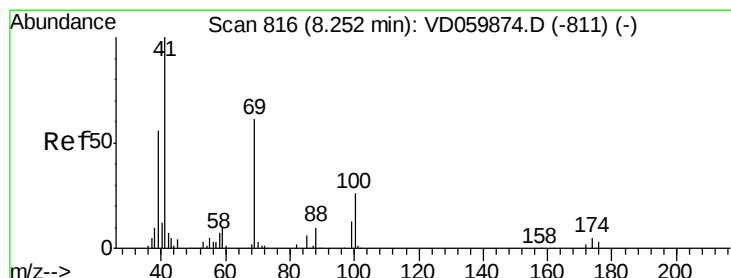
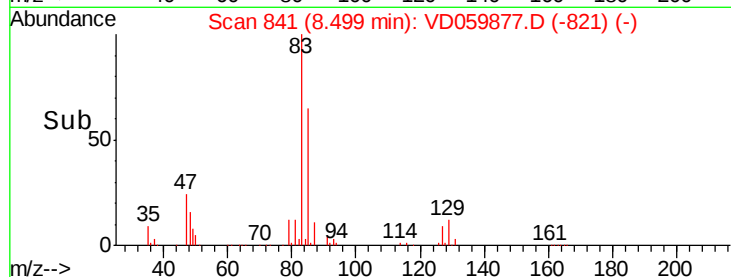
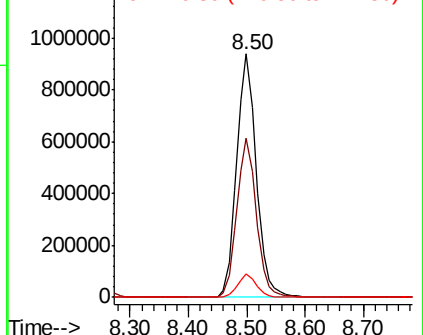
83 100

85 65.3 51.3 76.9

127 9.4 7.0 10.4



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



#48

Methyl methacrylate

Concen: 143.740 ug/l

RT: 8.25 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

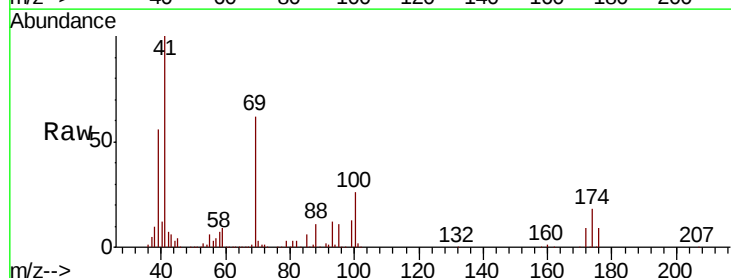
Tgt Ion: 41 Resp: 1254226

Ion Ratio Lower Upper

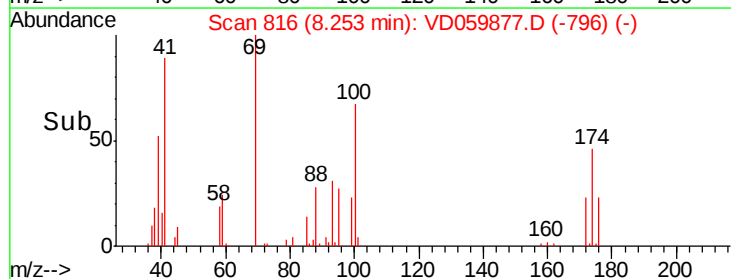
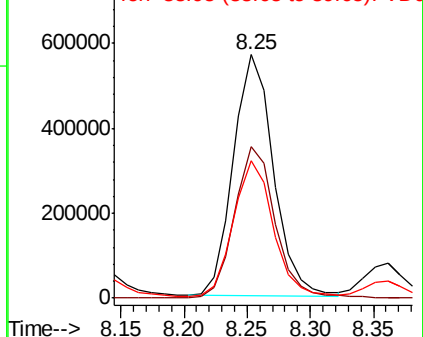
41 100

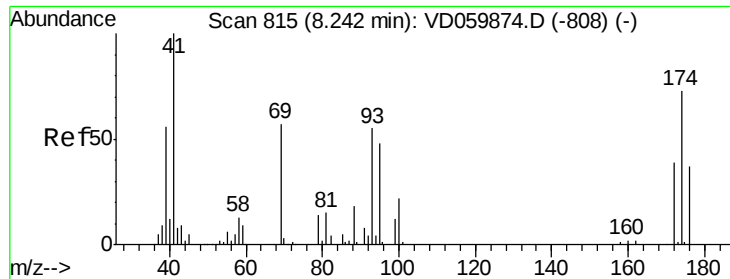
69 62.2 48.0 72.0

39 56.4 45.4 68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 3019.836 ug/l

RT: 8.24 min Scan# 815

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

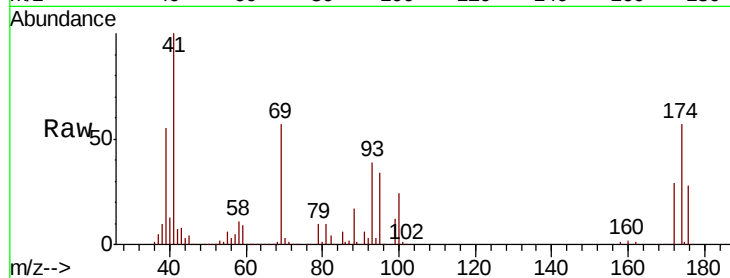
Tgt Ion: 88 Resp: 240273

Ion Ratio Lower Upper

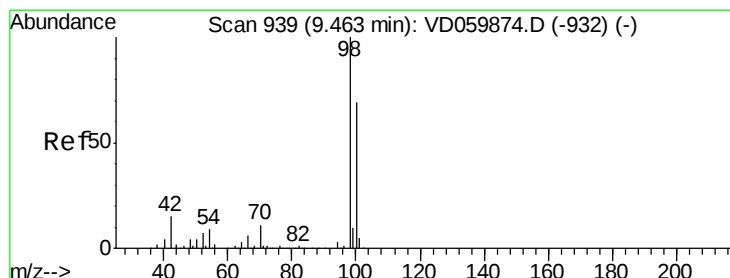
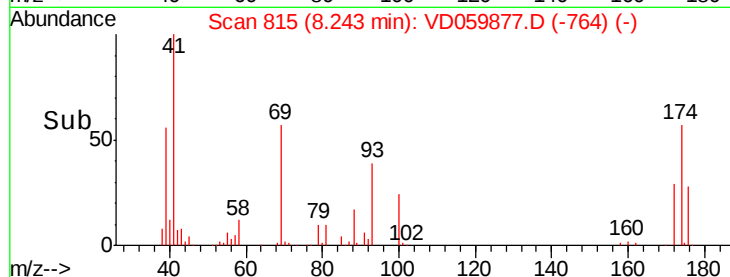
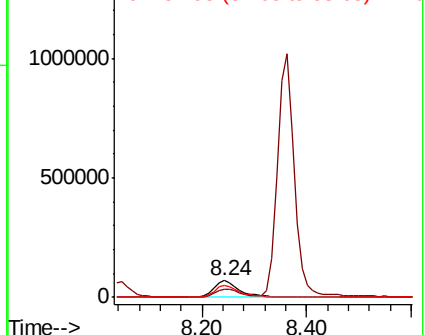
88 100

43 51.3 45.0 67.6

58 69.5 55.8 83.8



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: 3019.836 ug/l

RT: 9.46 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059877.D

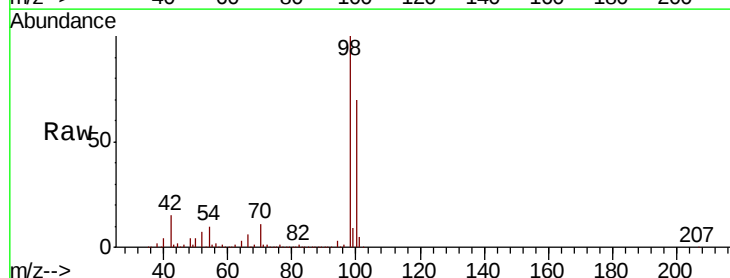
Acq: 22 Aug 2018 15:34

Tgt Ion: 98 Resp: 4828867

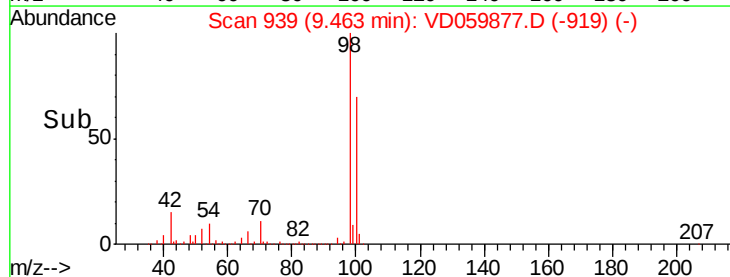
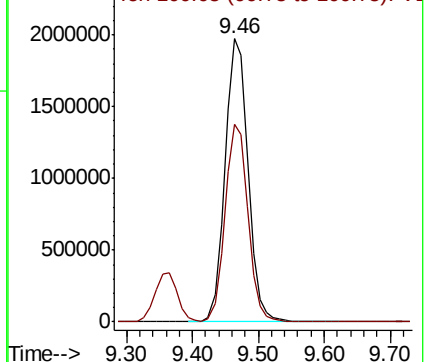
Ion Ratio Lower Upper

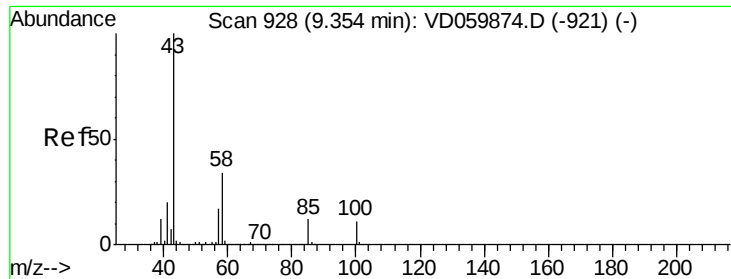
98 100

100 69.7 55.8 83.6



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

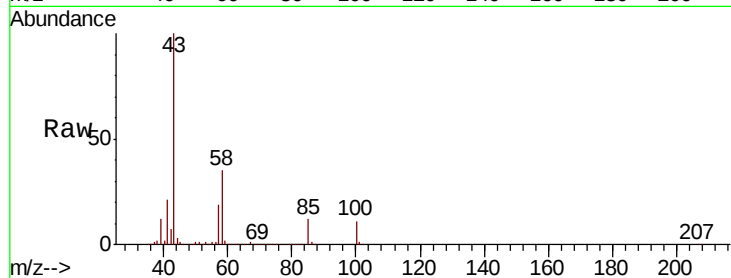




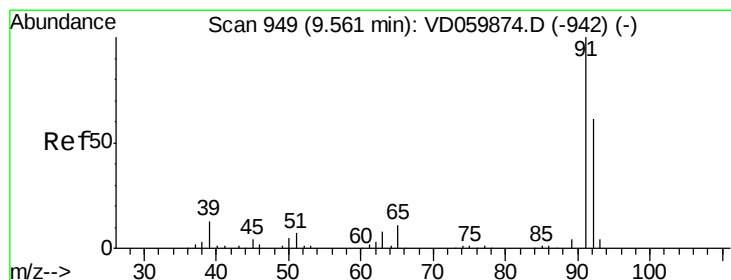
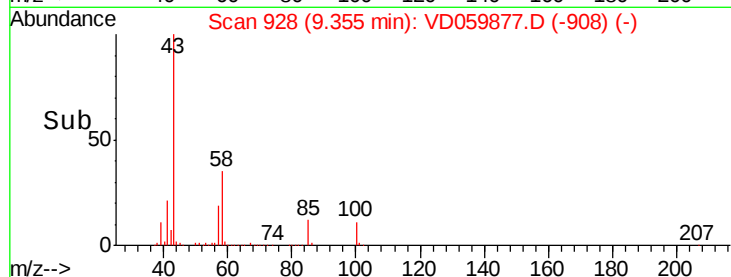
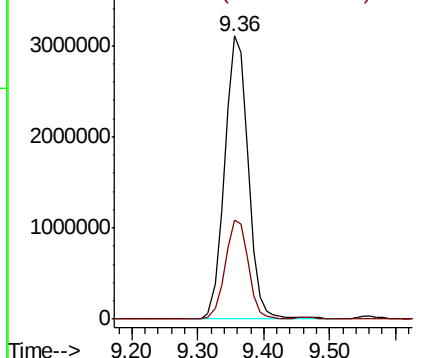
#51
4-Methyl-2-Pentanone
Concen: 719.114 ug/l
RT: 9.36 min Scan# 928
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 7747014
Ion Ratio Lower Upper
43 100
58 34.8 27.0 40.4

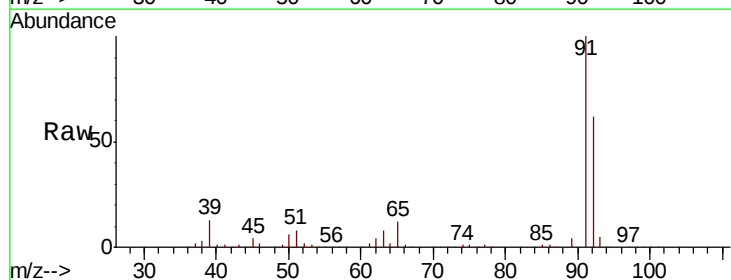


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

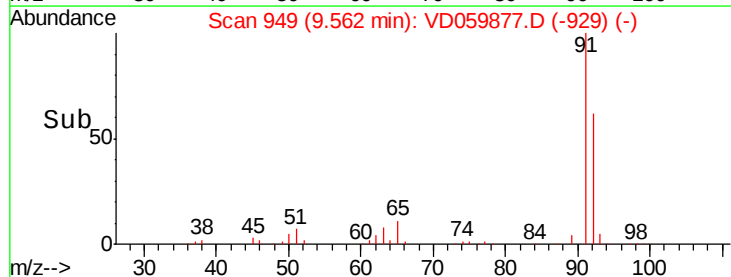
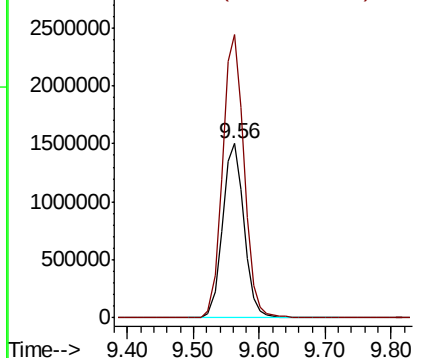


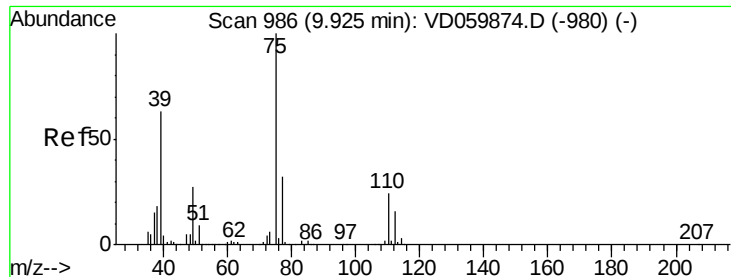
#52
Toluene
Concen: 138.161 ug/l
RT: 9.56 min Scan# 949
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 92 Resp: 3424682
Ion Ratio Lower Upper
92 100
91 162.2 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

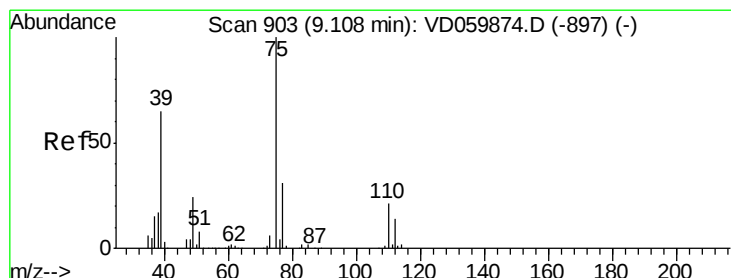
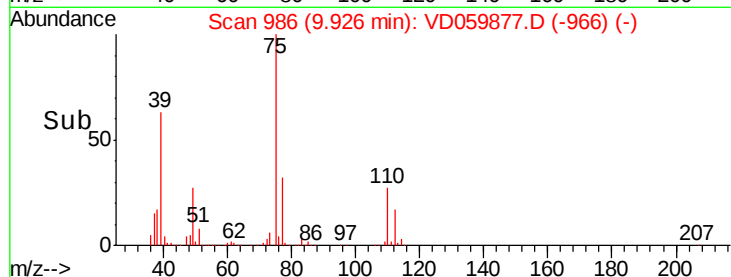
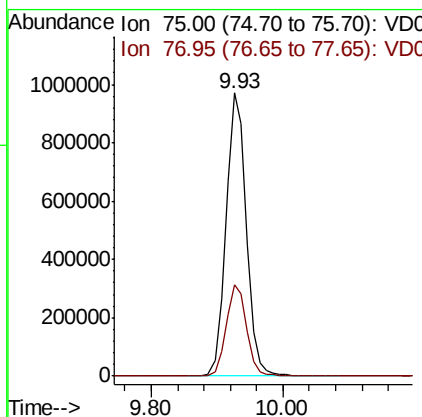
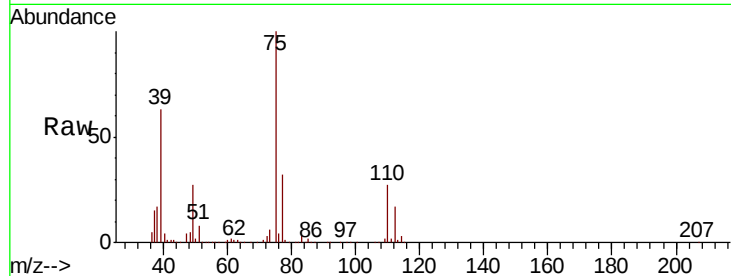




#53
 t-1,3-Dichloropropene
 Concen: 142.022 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

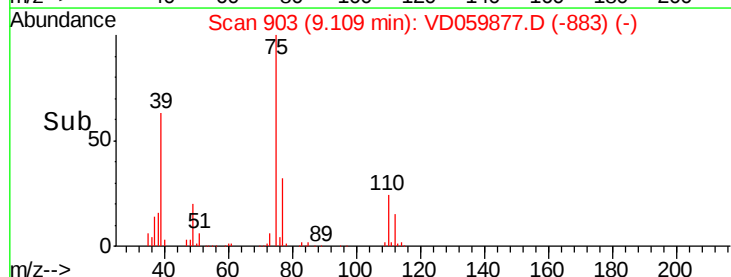
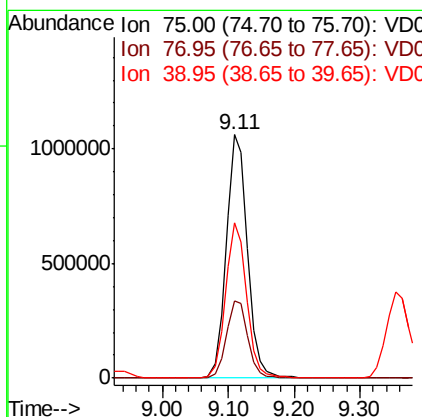
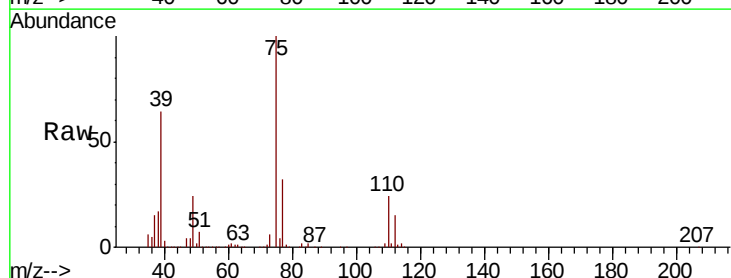
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

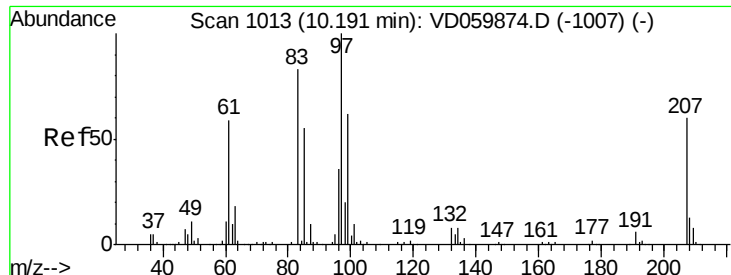
Tgt Ion: 75 Resp: 2082754
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 139.895 ug/l
 RT: 9.11 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion: 75 Resp: 2387801
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.8 37.2
 39 64.0 52.1 78.1



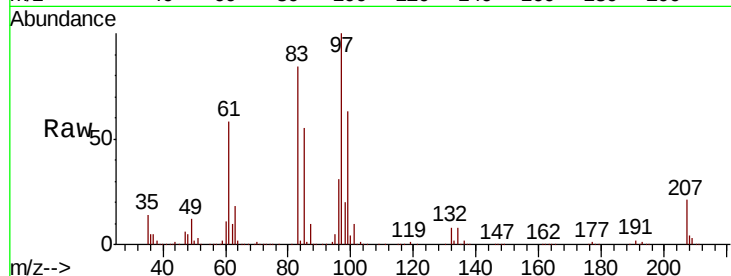


#55
 1,1,2-Trichloroethane
 Concen: 136.931 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

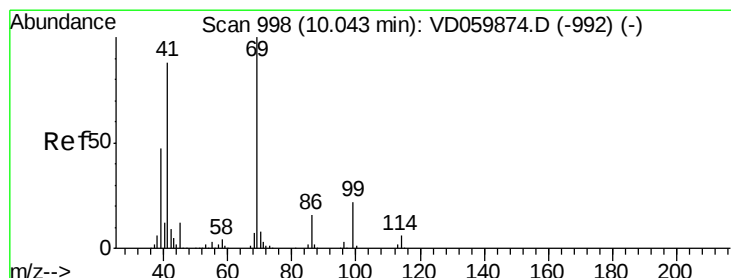
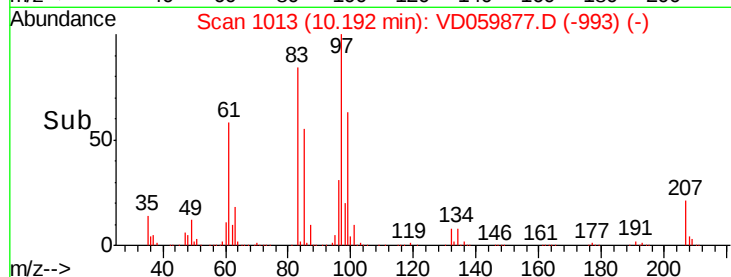
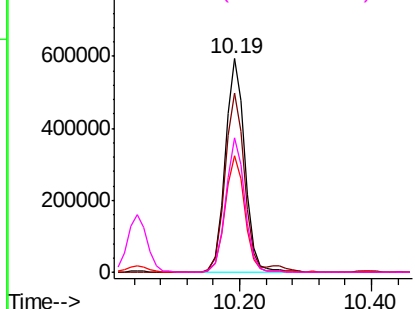
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 1236382

Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.7	100.1
85	54.8	43.8	65.6
99	62.9	49.8	74.6



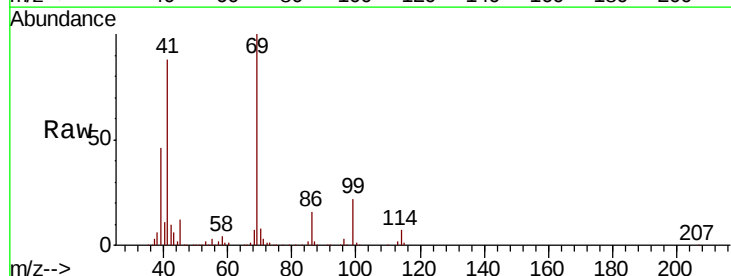
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



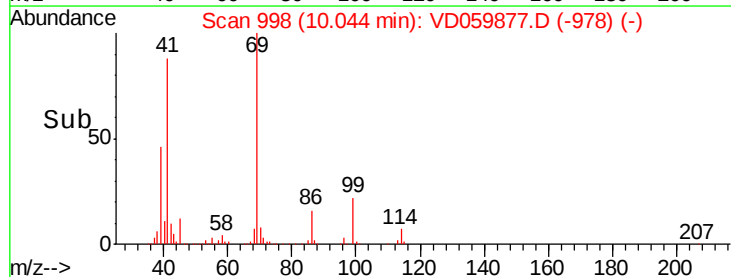
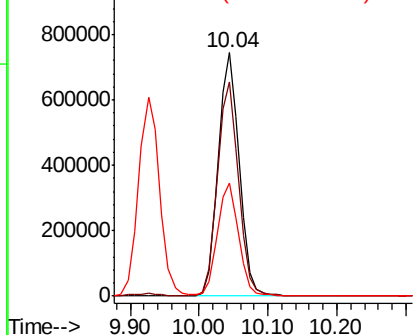
#56
 Ethyl methacrylate
 Concen: 146.496 ug/l
 RT: 10.04 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

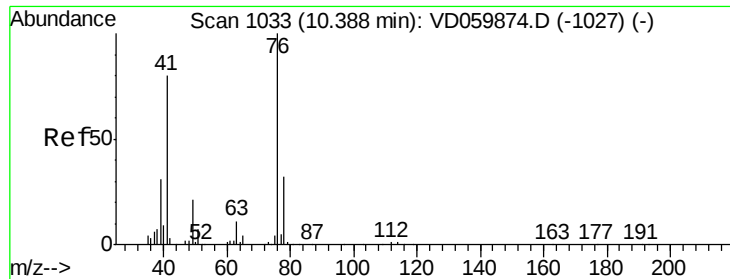
Tgt Ion: 69 Resp: 1573643

Ion	Ratio	Lower	Upper
69	100		
41	88.1	71.0	106.4
39	46.4	38.5	57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

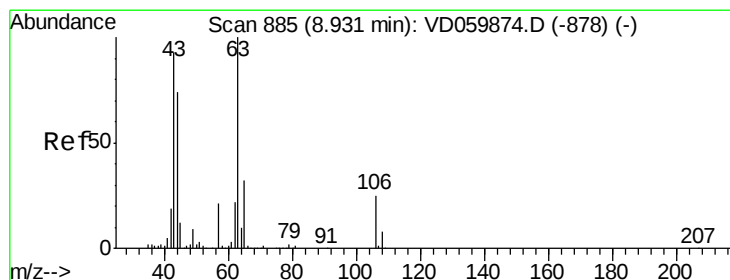
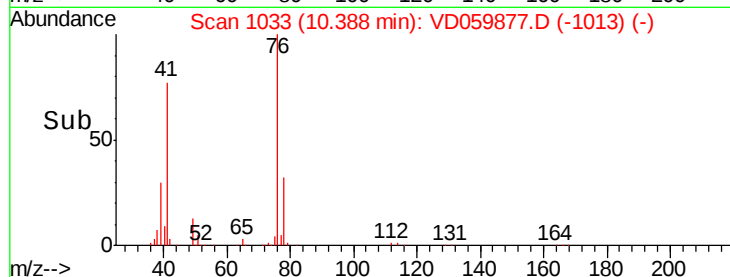
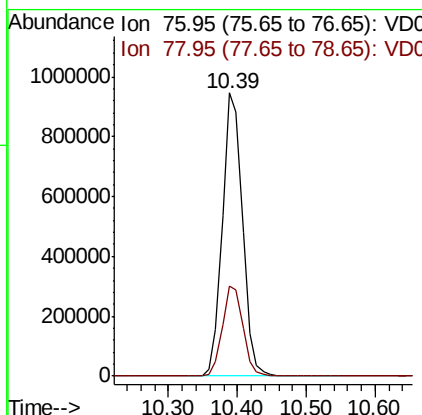
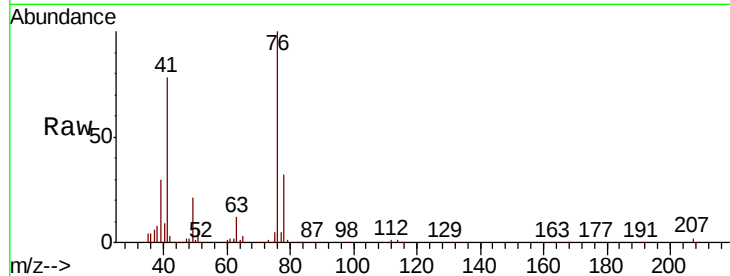




#57
 1,3-Dichloropropane
 Concen: 144.749 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

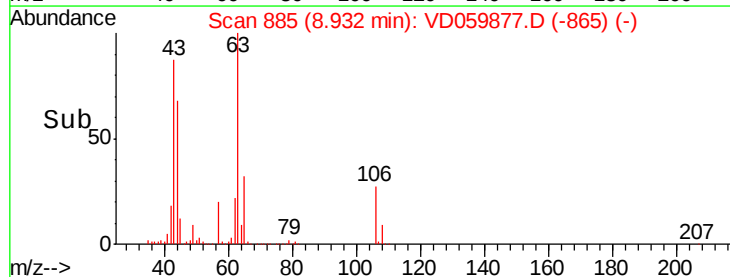
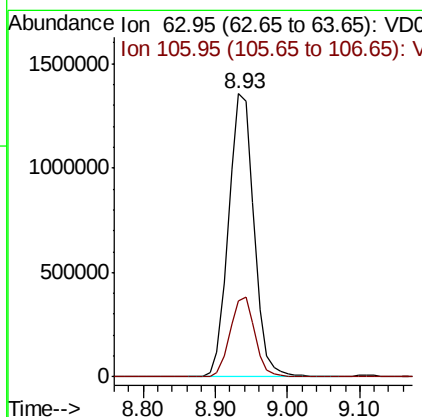
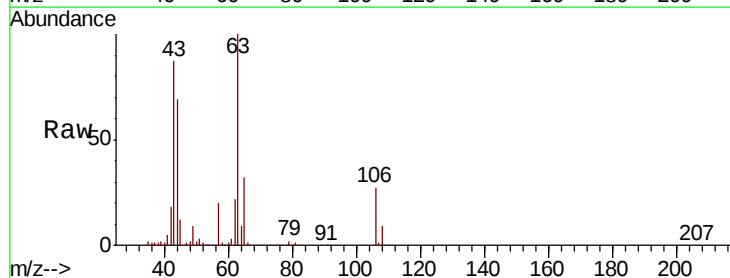
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

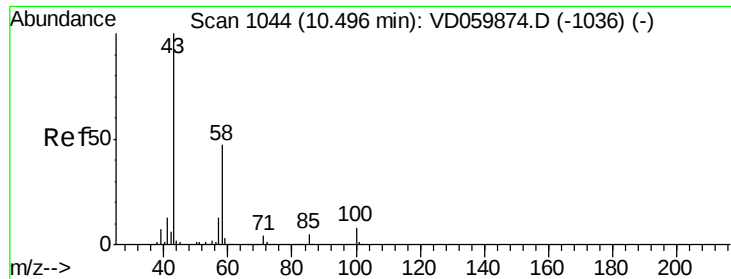
Tgt Ion: 76 Resp: 1913990
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 651.186 ug/l
 RT: 8.93 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion: 63 Resp: 3333359
 Ion Ratio Lower Upper
 63 100
 106 27.0 20.1 30.1

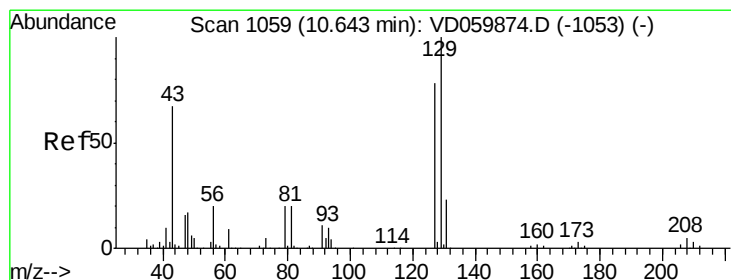
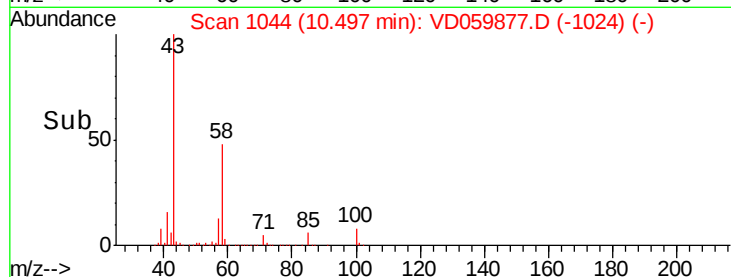
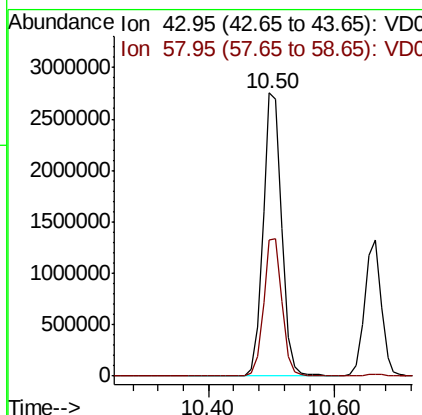
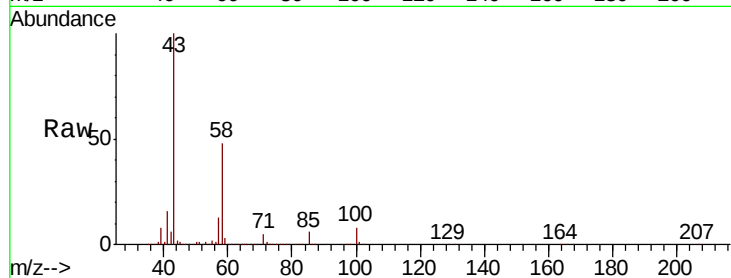




#59
2-Hexanone
Concen: 724.983 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

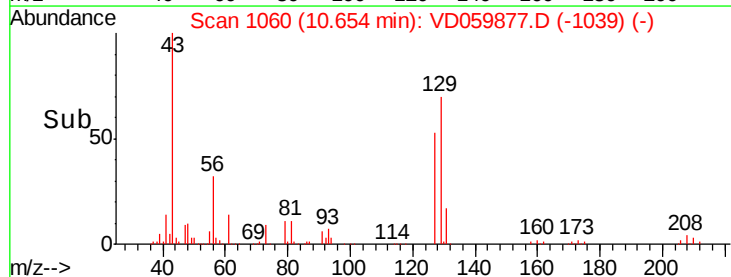
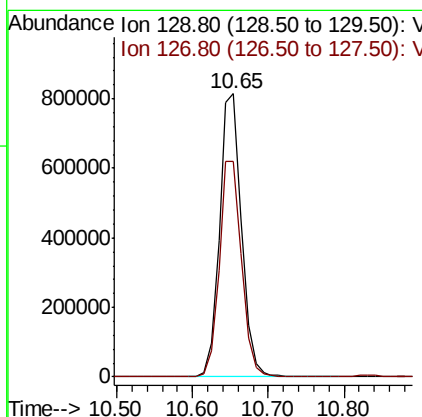
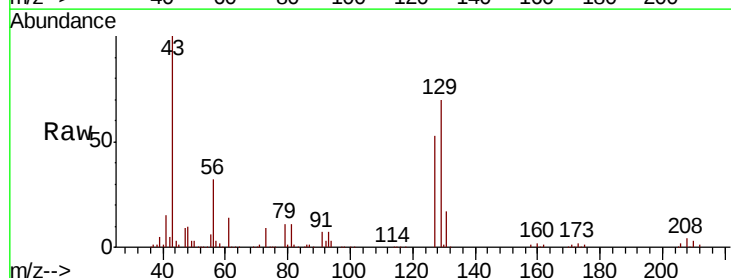
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

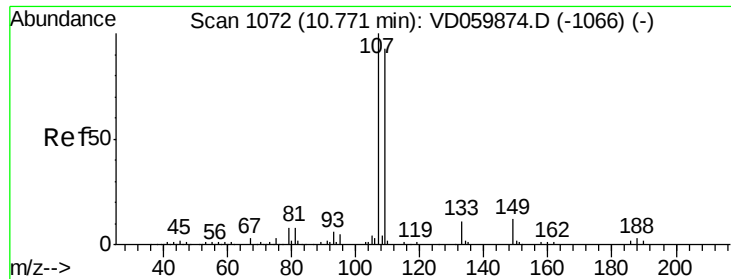
Tgt Ion: 43 Resp: 5663892
Ion Ratio Lower Upper
43 100
58 47.9 23.3 69.8



#60
Dibromochloromethane
Concen: 142.890 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 129 Resp: 1643067
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2

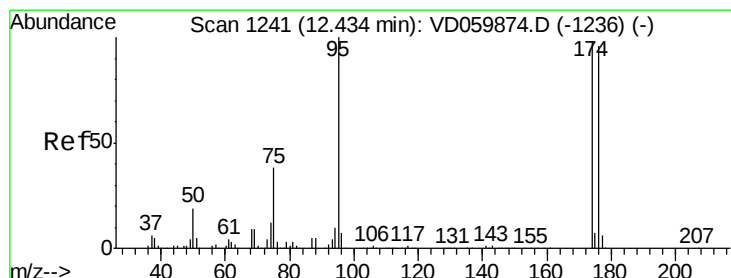
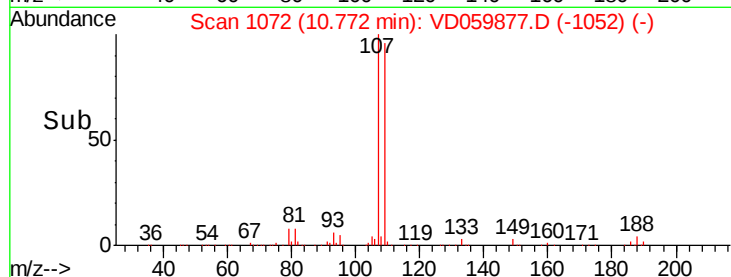
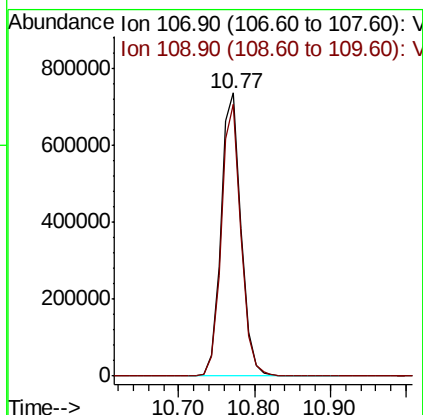
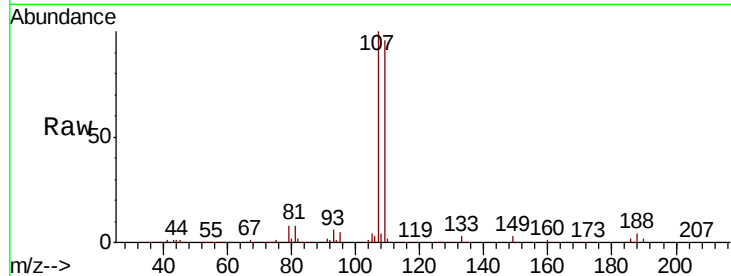




#61
 1,2-Dibromoethane
 Concen: 145.581 ug/l
 RT: 10.77 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

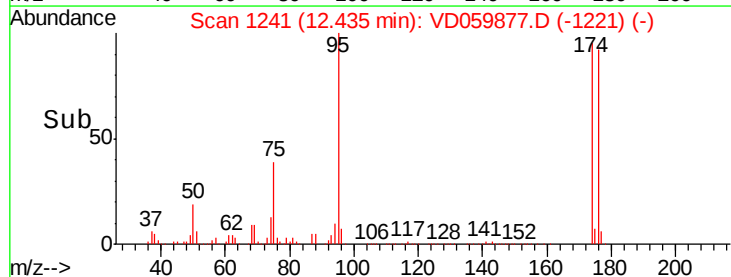
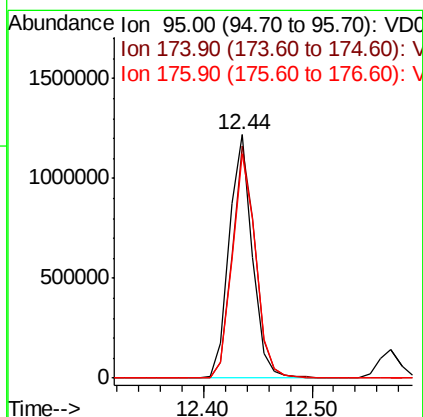
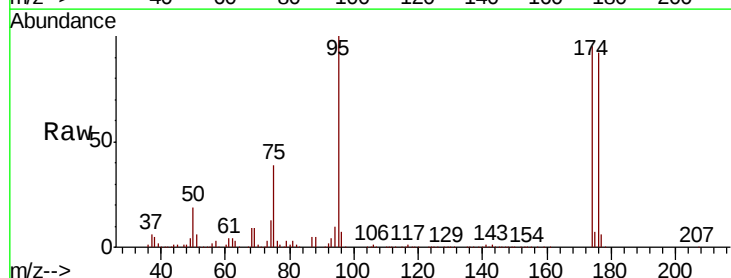
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

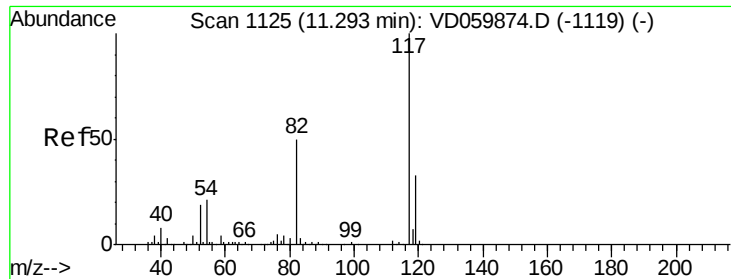
Tgt Ion: 107 Resp: 135553
 Ion Ratio Lower Upper
 107 100
 109 96.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 145.581 ug/l
 RT: 12.44 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion: 95 Resp: 1821728
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 195.6
 176 92.2 0.0 191.2

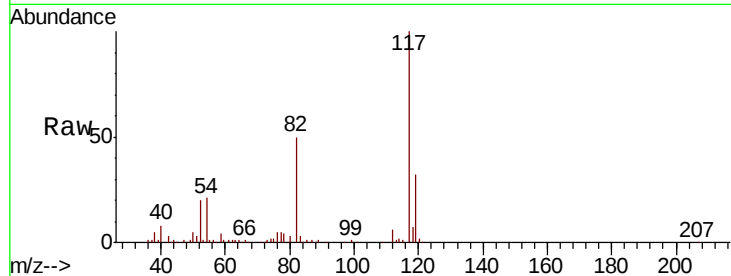




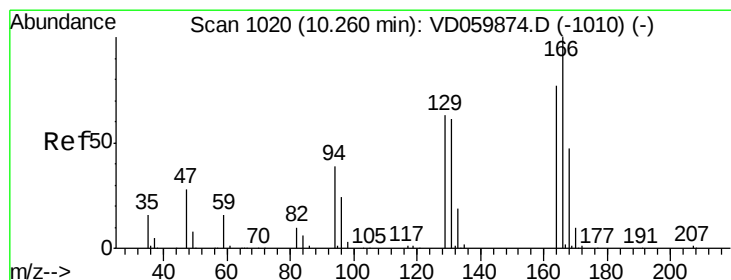
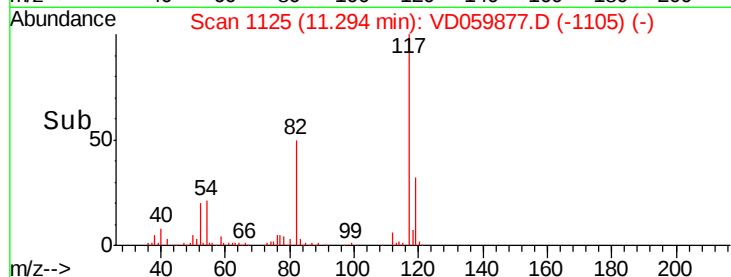
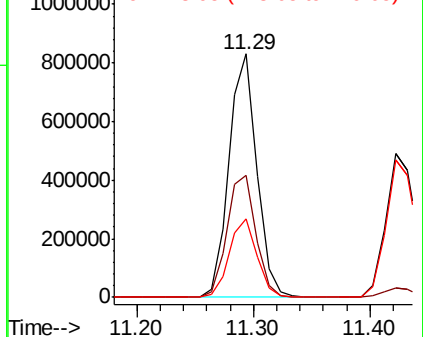
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 1374562
Ion Ratio Lower Upper
117 100
82 50.3 40.1 60.1
119 32.3 26.7 40.1

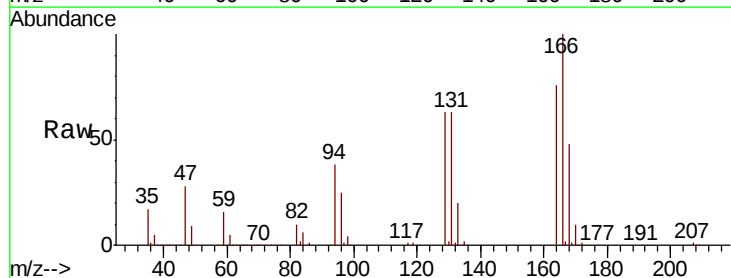


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

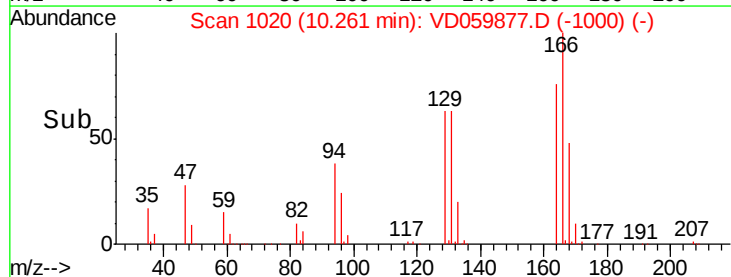
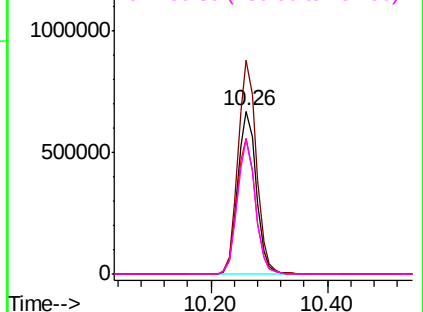


#64
Tetrachloroethene
Concen: 140.861 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion:164 Resp: 1479527
Ion Ratio Lower Upper
164 100
166 131.4 103.4 155.2
129 83.3 65.2 97.8
131 82.3 63.1 94.7



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

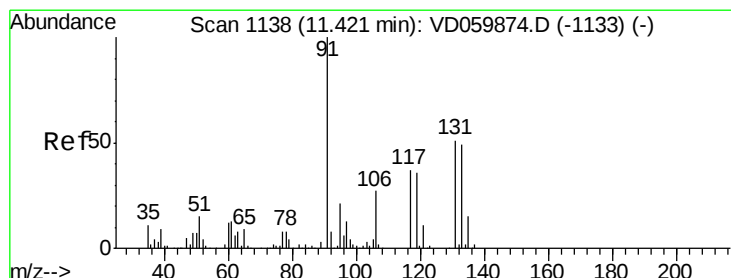
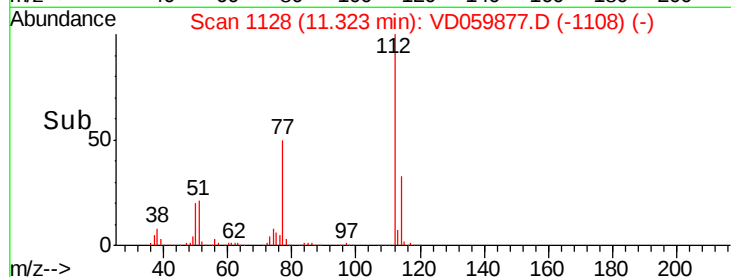
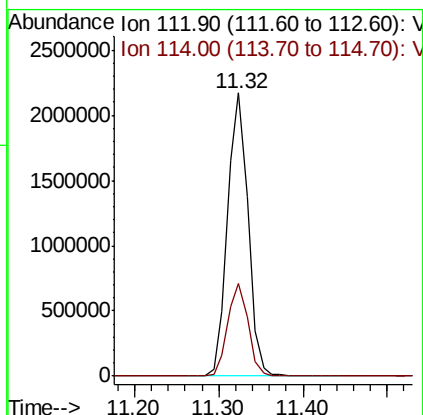
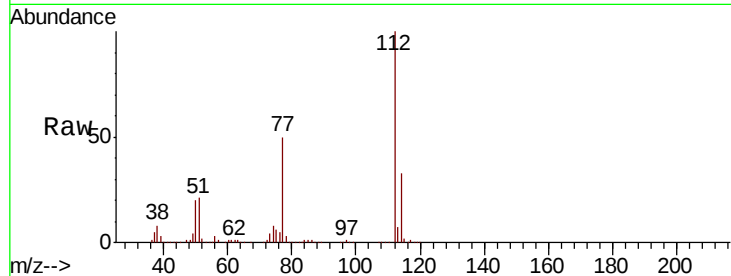




#65
Chlorobenzene
Concen: 136.170 ug/l
RT: 11.32 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

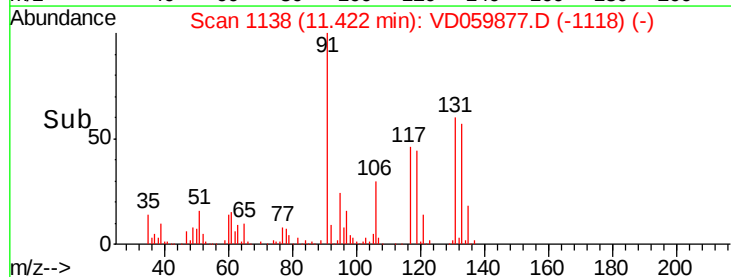
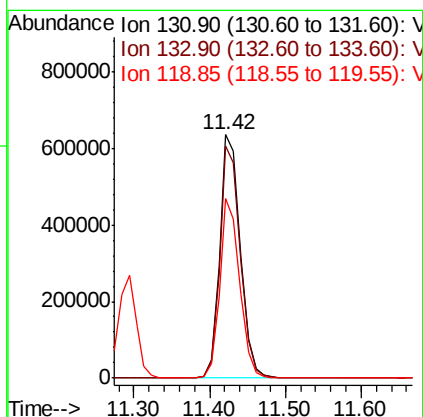
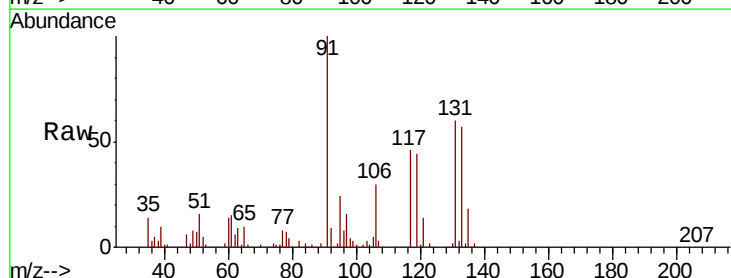
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

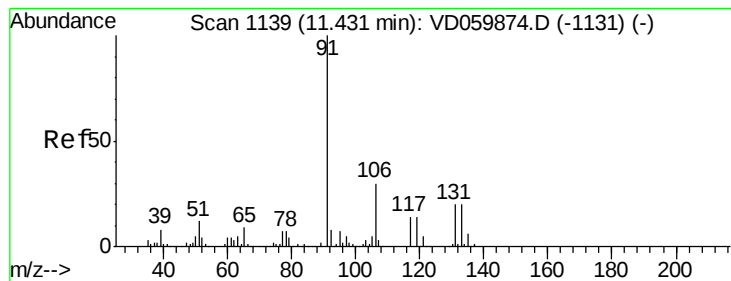
Tgt Ion:112 Resp: 3671314
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 122.828 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion:131 Resp: 1198657
Ion Ratio Lower Upper
131 100
133 95.1 48.3 144.8
119 74.0 35.4 106.3





#67

Ethyl Benzene

Concen: 115.486 ug/l

RT: 11.44 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

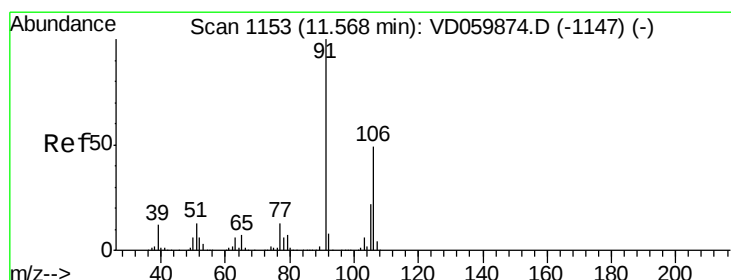
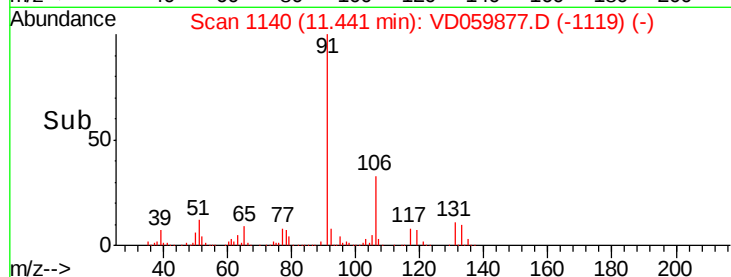
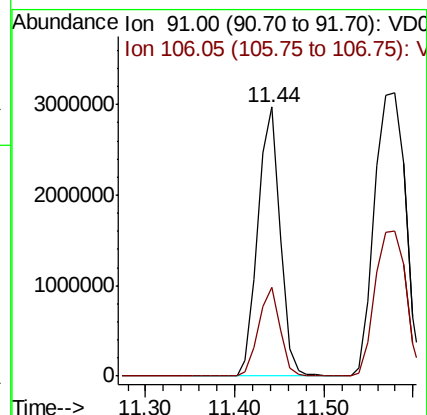
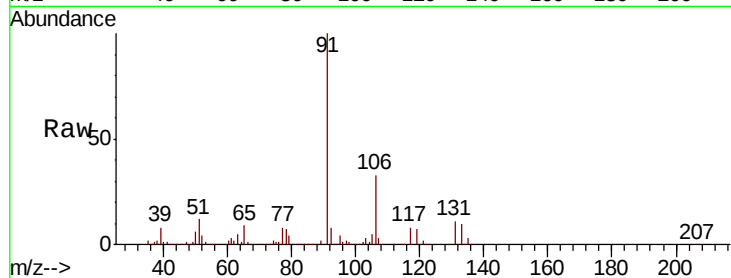
VSTDIC150

Tgt Ion: 91 Resp: 5088520

Ion Ratio Lower Upper

91 100

106 32.9 23.8 35.8



#68

m/p-Xylenes

Concen: 238.911 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VD059877.D

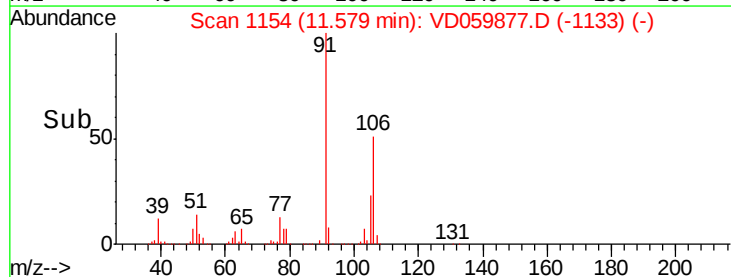
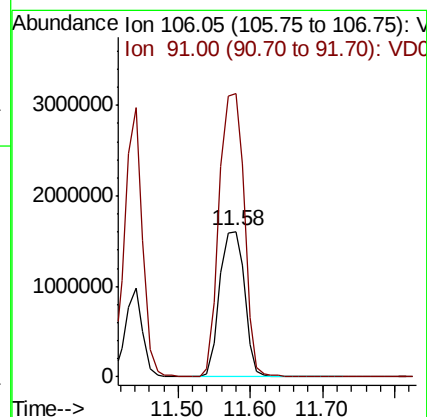
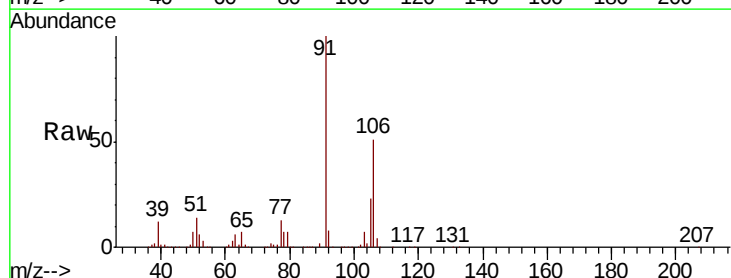
Acq: 22 Aug 2018 15:34

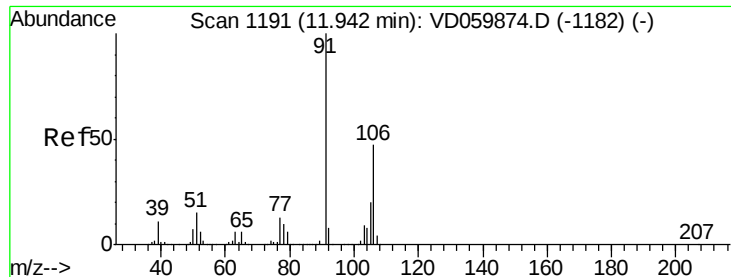
Tgt Ion:106 Resp: 3799322

Ion Ratio Lower Upper

106 100

91 194.3 162.0 243.0

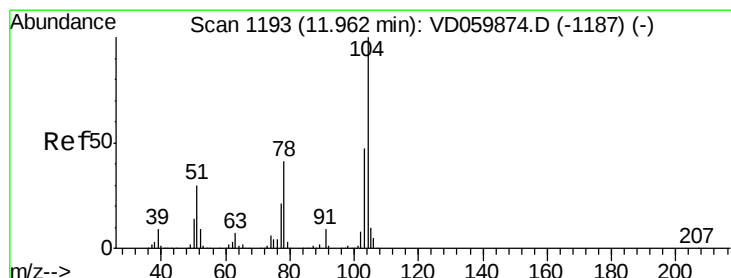
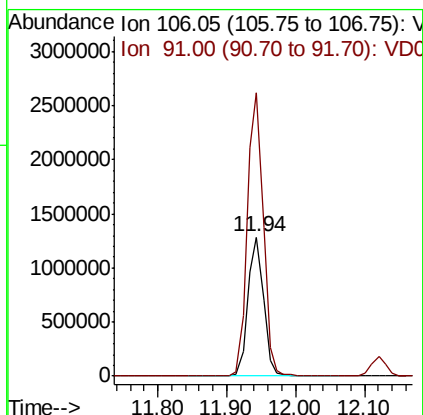
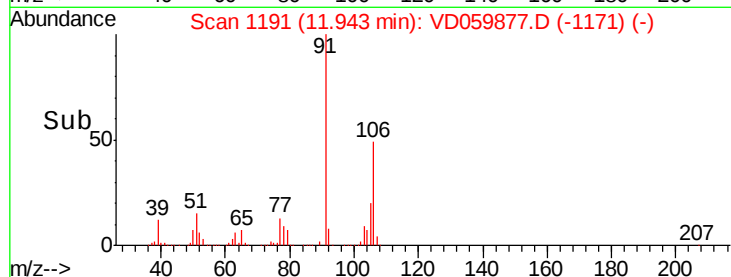
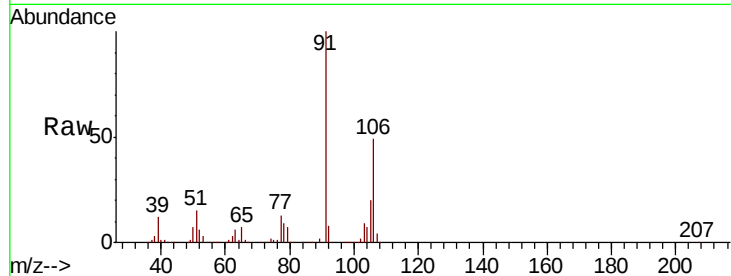




#69
o-Xylene
Concen: 129.173 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

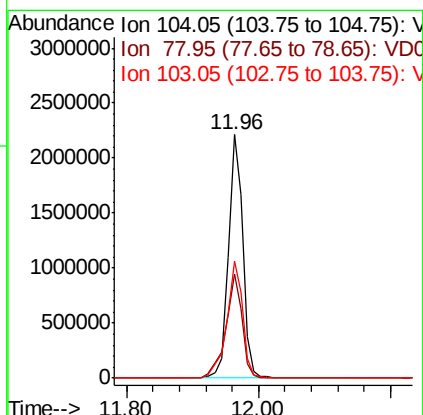
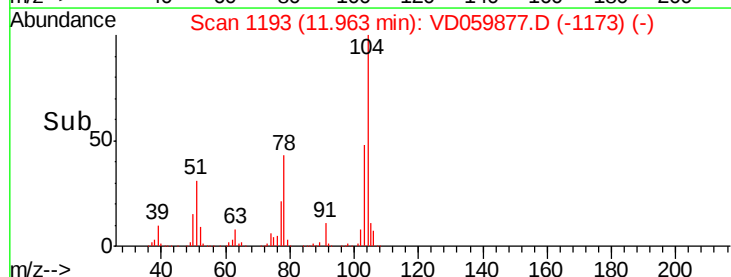
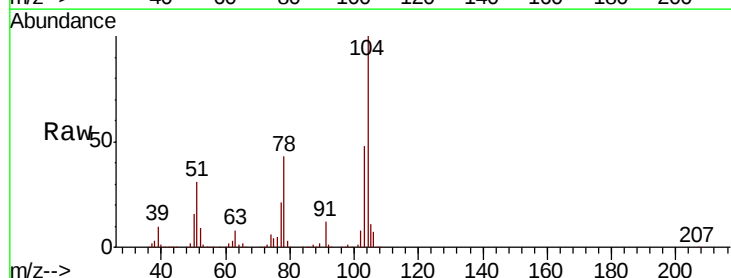
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 2016517
Ion Ratio Lower Upper
106 100
91 203.3 107.3 322.0



#70
Styrene
Concen: 124.626 ug/l
RT: 11.96 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion:104 Resp: 3379485
Ion Ratio Lower Upper
104 100
78 43.0 32.6 49.0
103 47.9 37.7 56.5





#71

Bromoform

Concen: 151.328 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

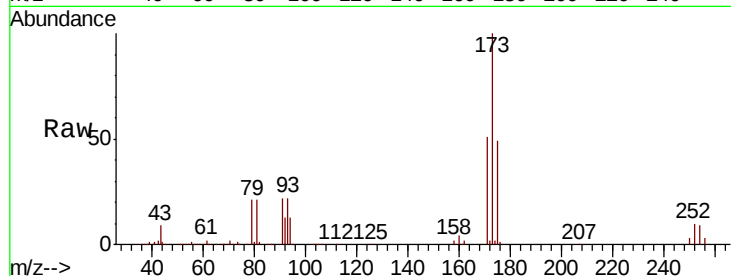
Tgt Ion:173 Resp: 1310623

Ion Ratio Lower Upper

173 100

175 48.6 24.3 73.0

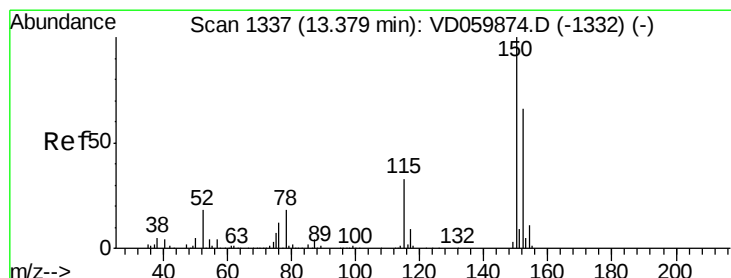
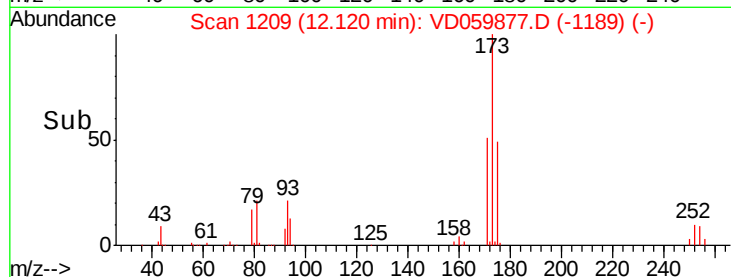
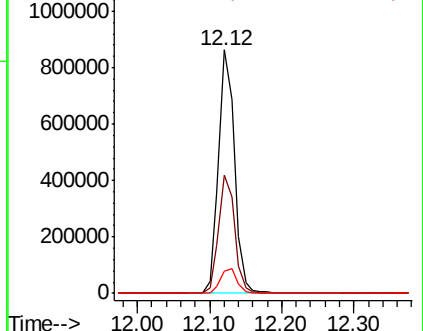
254 9.2 7.0 10.6



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: 13.38 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

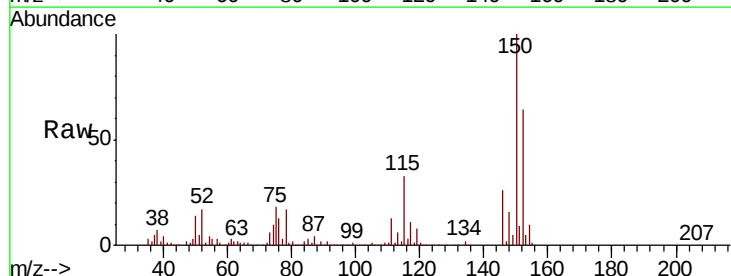
Tgt Ion:152 Resp: 693739

Ion Ratio Lower Upper

152 100

115 52.2 25.7 77.0

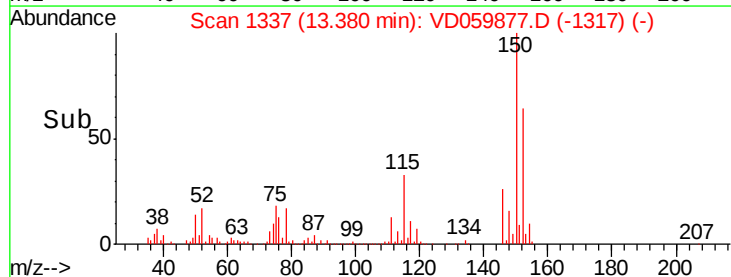
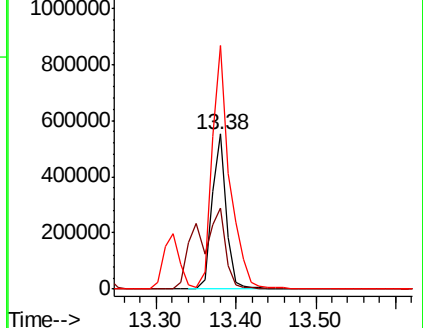
150 157.4 0.0 310.2



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: 126.530 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

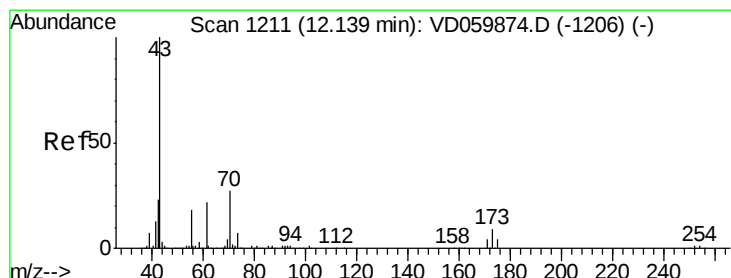
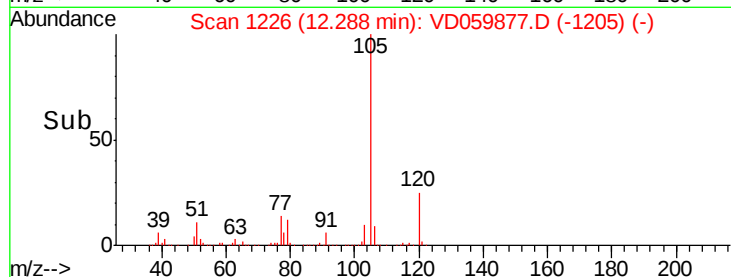
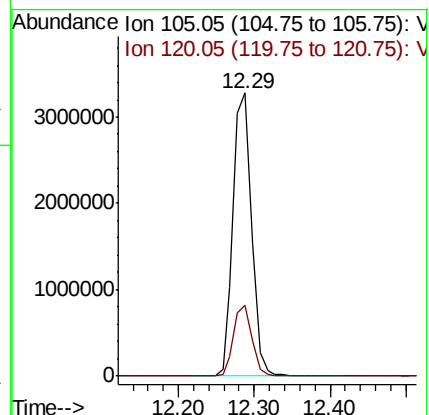
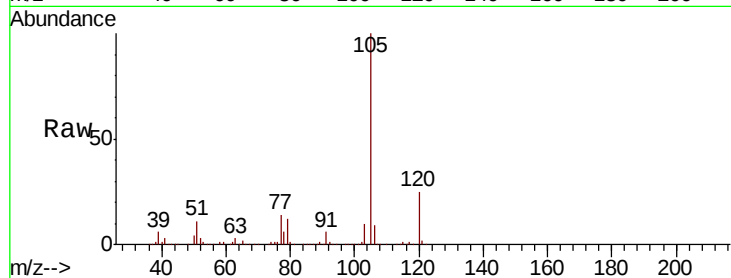
VSTDIC150

Tgt Ion:105 Resp: 5535110

Ion Ratio Lower Upper

105 100

120 25.2 11.8 35.4



#74

N-ethyl acetate

Concen: 139.284 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Tgt Ion: 43 Resp: 2722527

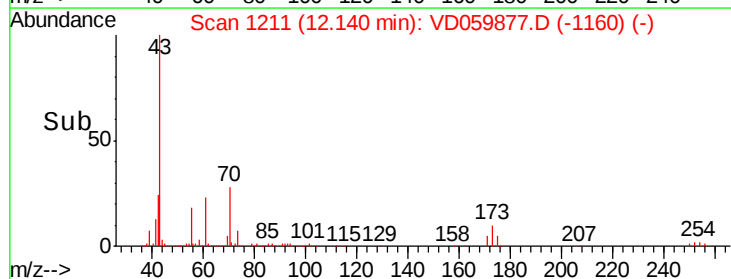
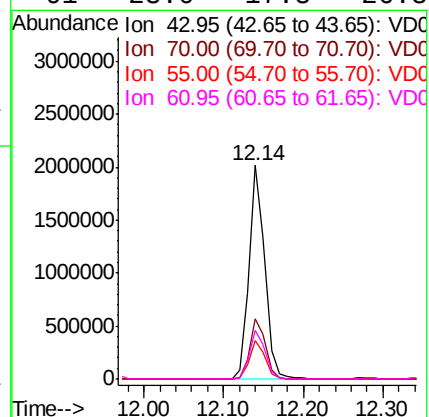
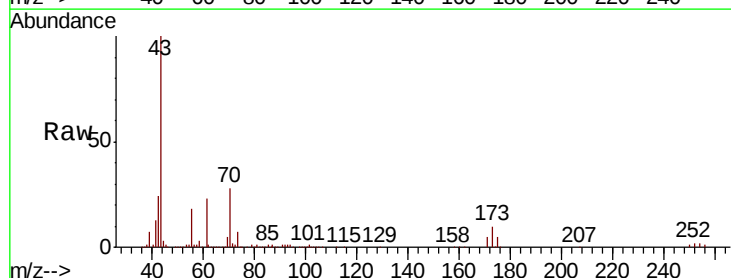
Ion Ratio Lower Upper

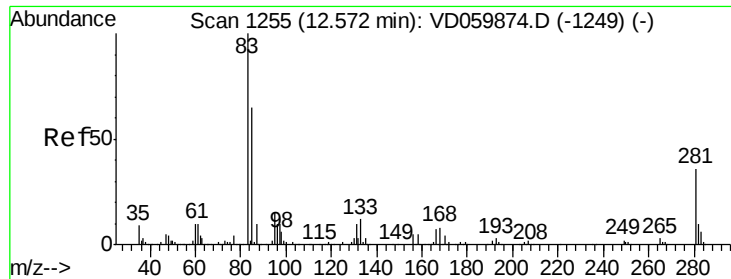
43 100

70 27.9 21.4 32.2

55 17.9 14.1 21.1

61 23.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 140.361 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

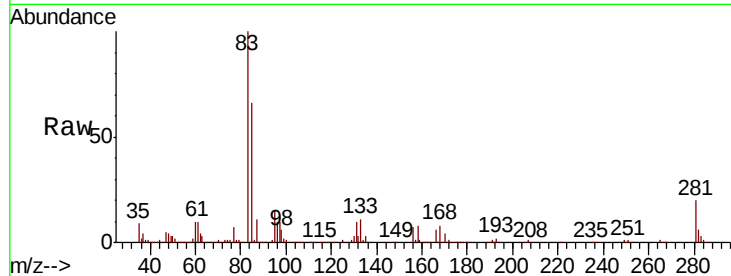
Tgt Ion: 83 Resp: 1411481

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

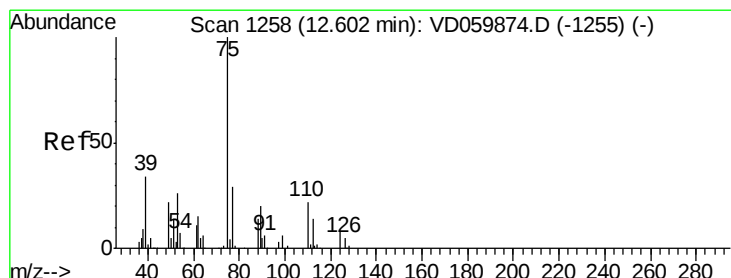
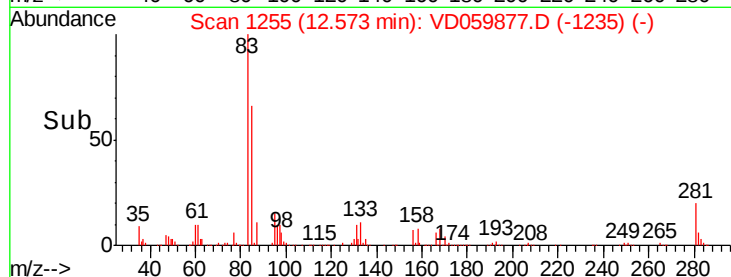
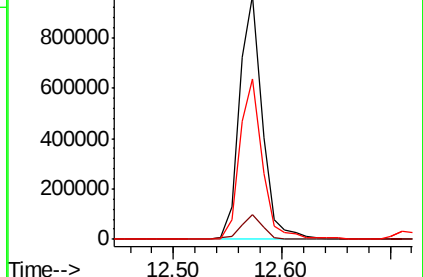
85 65.7 32.6 97.8



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: 142.304 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059877.D

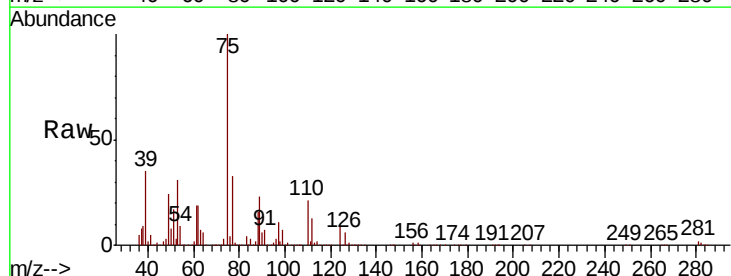
Acq: 22 Aug 2018 15:34

Tgt Ion: 75 Resp: 1540763

Ion Ratio Lower Upper

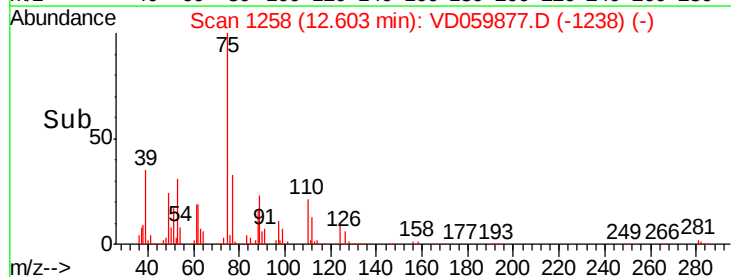
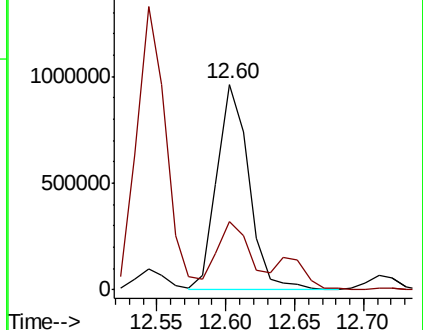
75 100

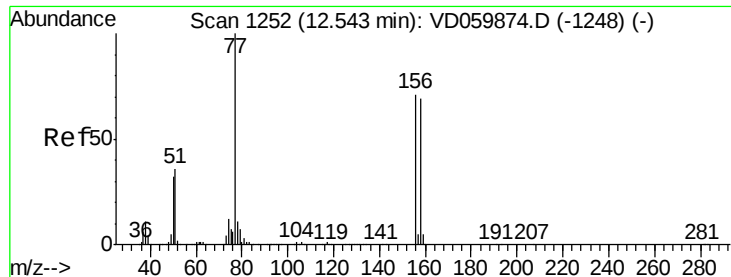
77 33.3 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

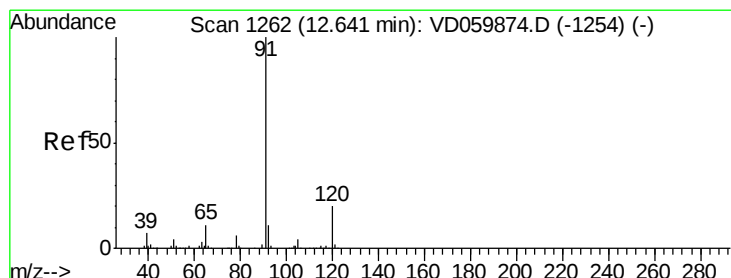
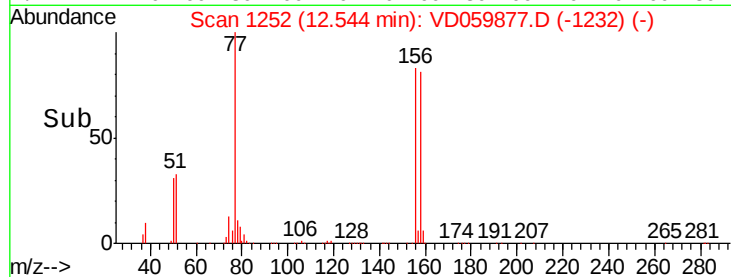
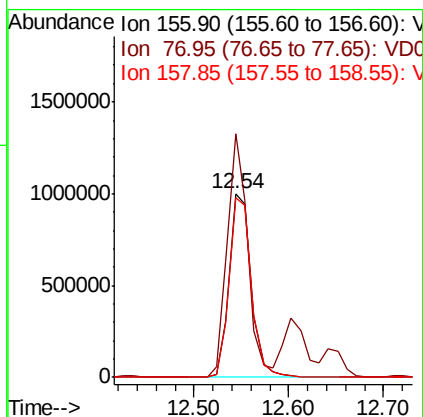
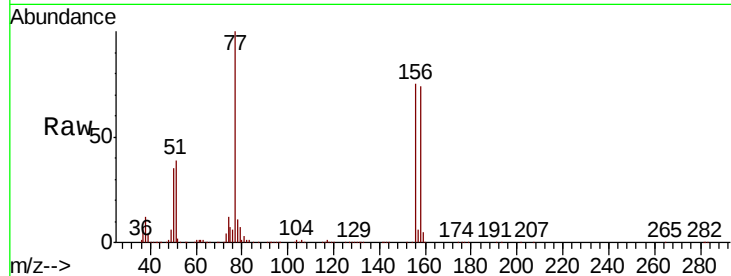




#77
Bromobenzene
Concen: 132.731 ug/l
RT: 12.54 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

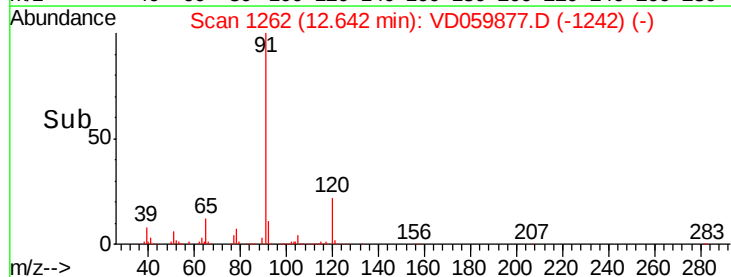
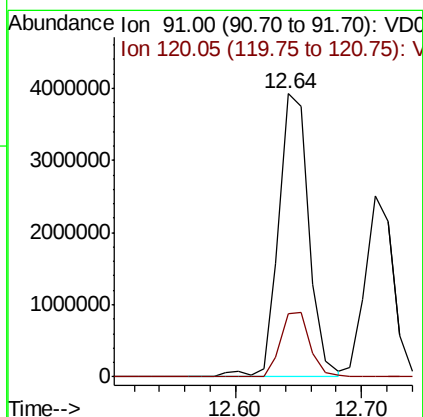
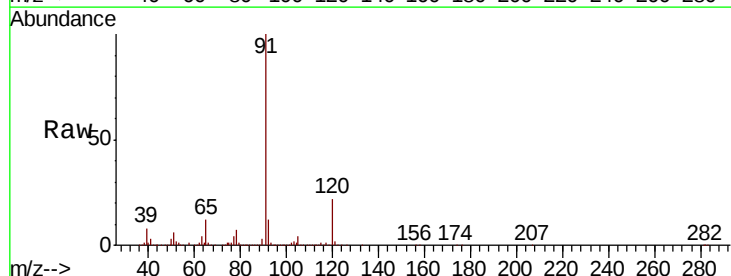
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

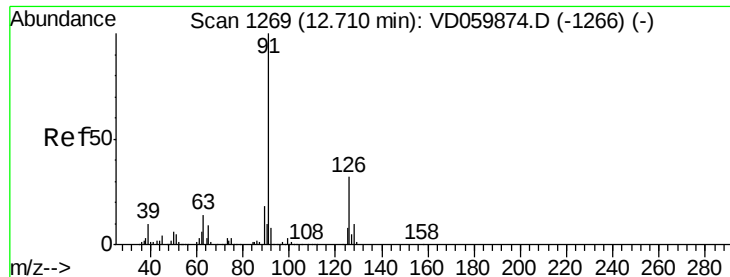
Tgt Ion: 156 Resp: 1612279
Ion Ratio Lower Upper
156 100
77 132.7 70.2 210.4
158 97.7 48.4 145.2



#78
n-propylbenzene
Concen: 120.496 ug/l
RT: 12.64 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD059877.D
Acq: 22 Aug 2018 15:34

Tgt Ion: 91 Resp: 6550596
Ion Ratio Lower Upper
91 100
120 22.2 10.1 30.3





#79

2-Chlorotoluene

Concen: 123.511 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

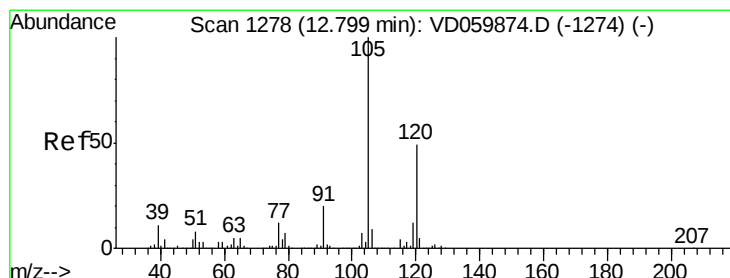
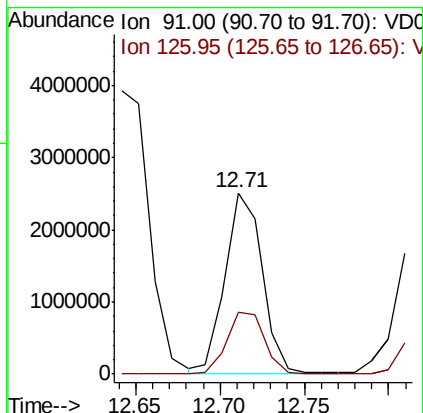
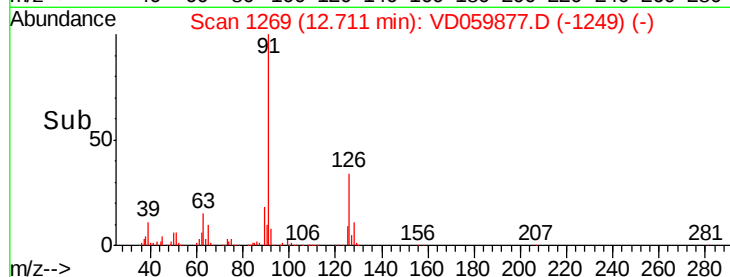
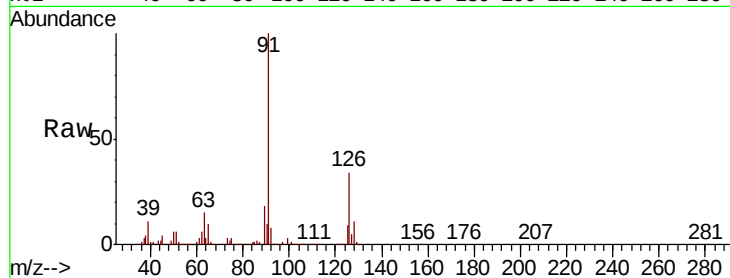
VSTDIC150

Tgt Ion: 91 Resp: 3825584

Ion Ratio Lower Upper

91 100

126 34.3 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 112.956 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VD059877.D

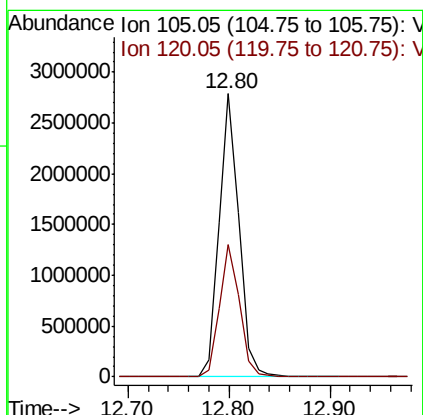
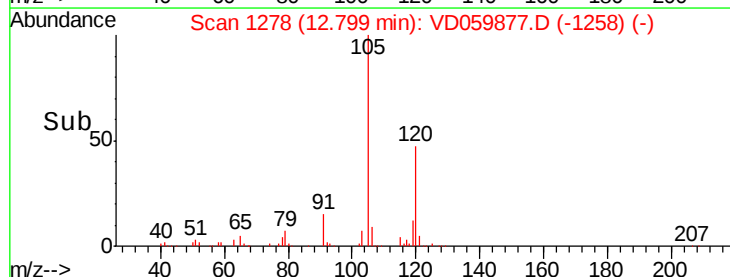
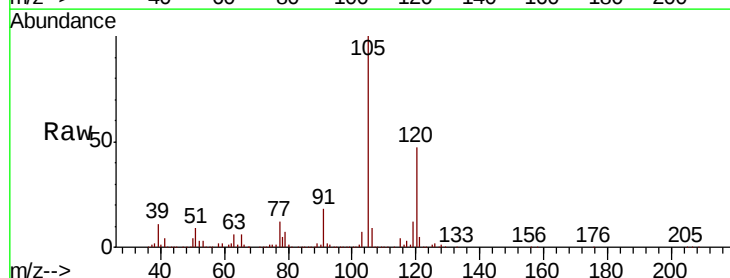
Acq: 22 Aug 2018 15:34

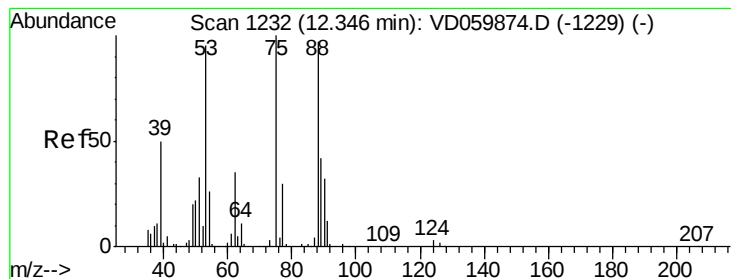
Tgt Ion: 105 Resp: 3840557

Ion Ratio Lower Upper

105 100

120 46.8 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 150.648 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

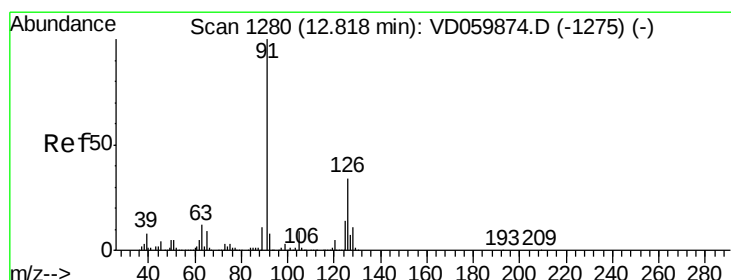
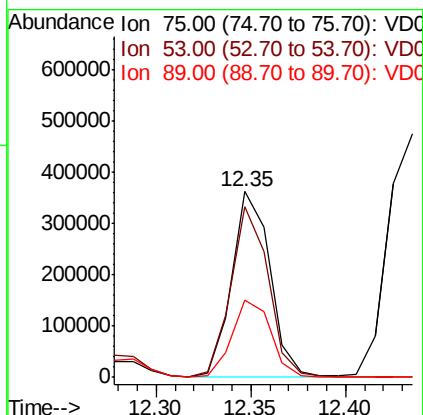
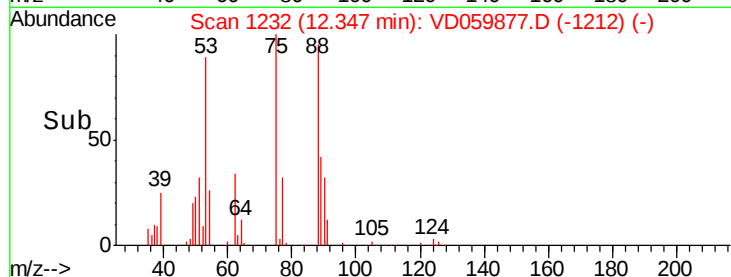
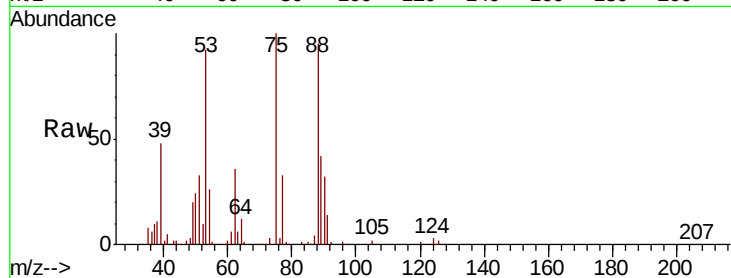
Tgt Ion: 75 Resp: 502256

Ion Ratio Lower Upper

75 100

53 91.8 75.8 113.6

89 41.7 33.6 50.4



#82

4-Chlorotoluene

Concen: 112.483 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD059877.D

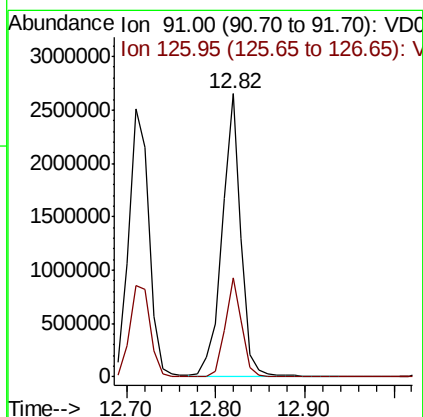
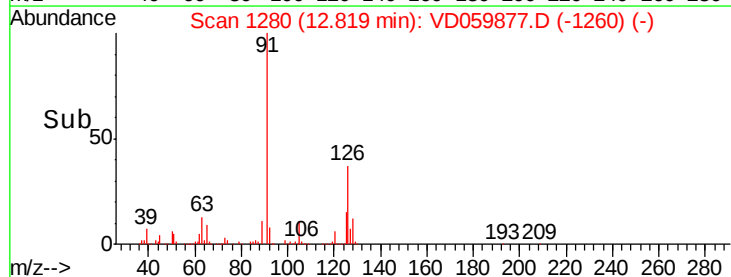
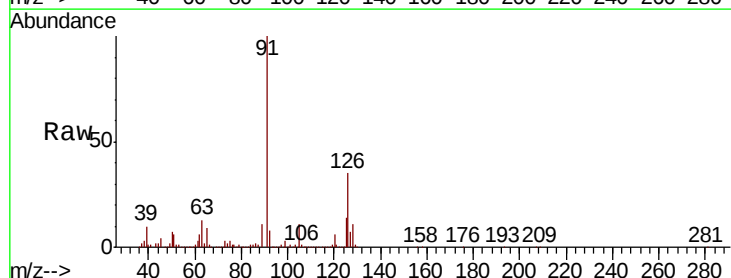
Acq: 22 Aug 2018 15:34

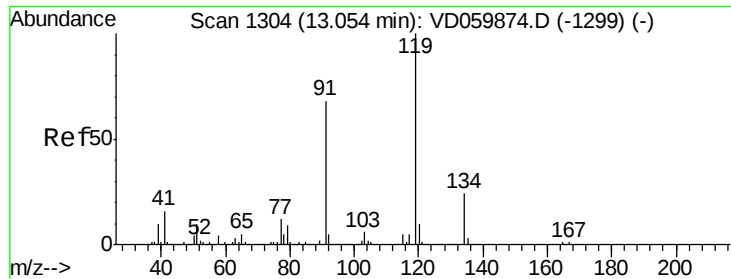
Tgt Ion: 91 Resp: 3889543

Ion Ratio Lower Upper

91 100

126 35.1 17.1 51.2

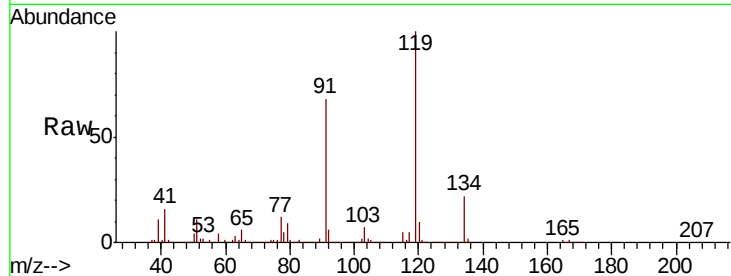




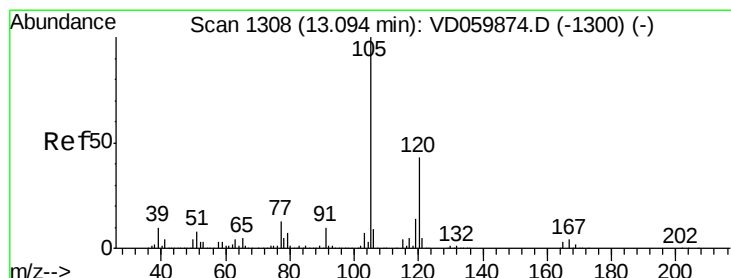
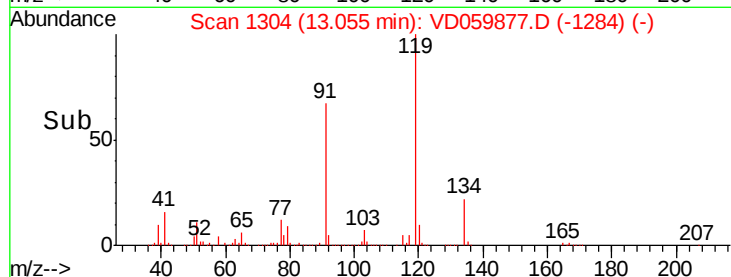
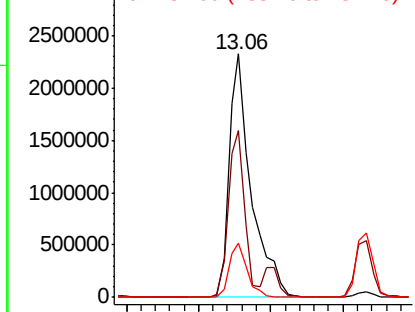
#83
 tert-Butylbenzene
 Concen: 124.865 ug/l
 RT: 13.06 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 4935021
 Ion Ratio Lower Upper
 119 100
 91 68.4 34.3 102.9
 134 22.4 11.9 35.9

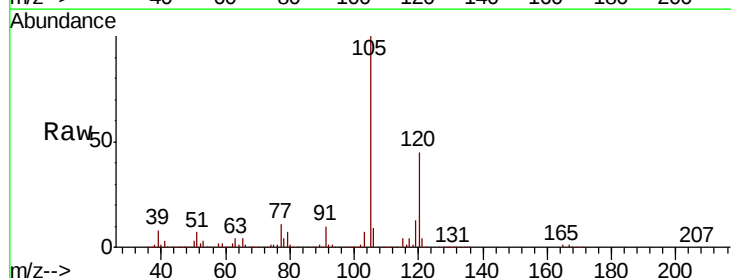


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

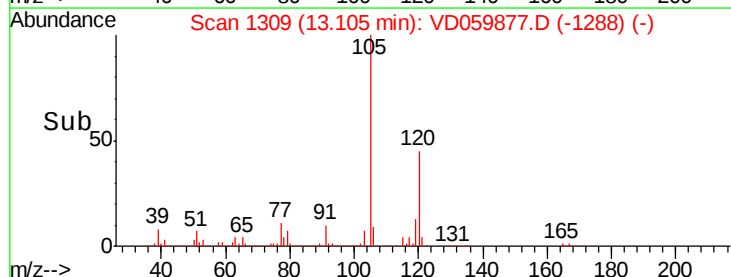
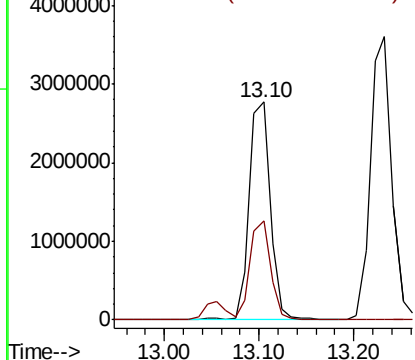


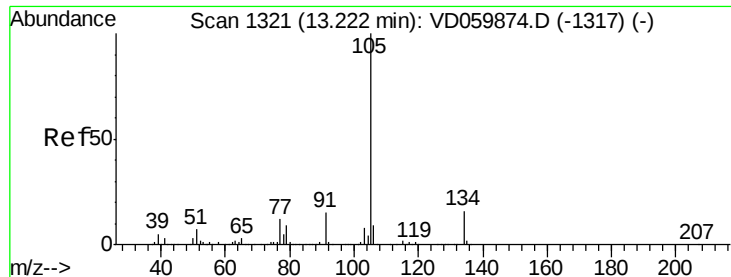
#84
 1,2,4-Trimethylbenzene
 Concen: 119.516 ug/l
 RT: 13.10 min Scan# 1309
 Delta R.T. 0.01 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion:105 Resp: 4281174
 Ion Ratio Lower Upper
 105 100
 120 45.4 21.8 65.3



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

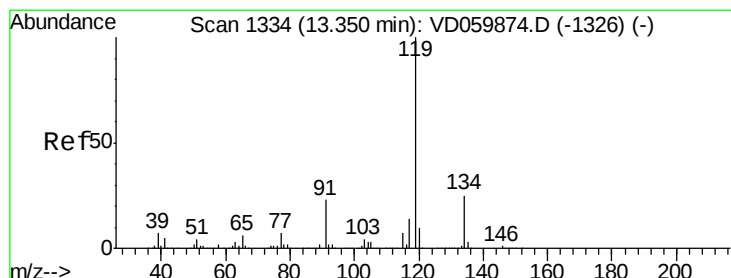
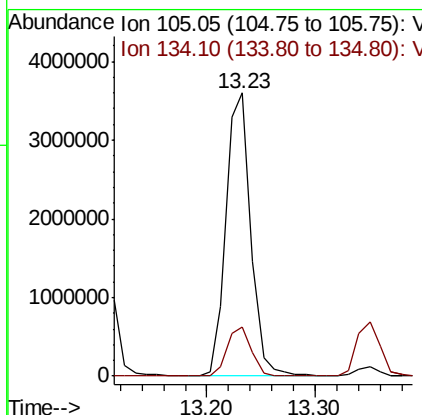
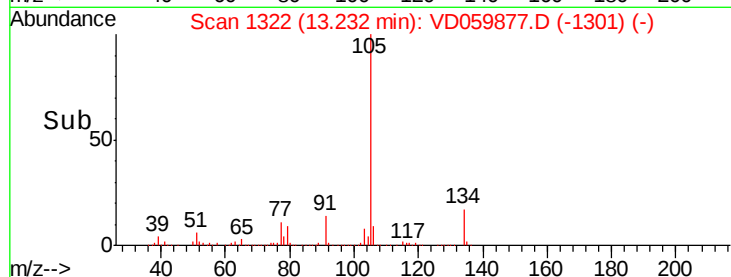
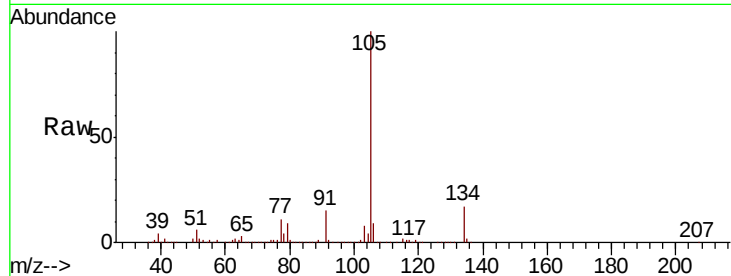




#85
 sec-Butylbenzene
 Concen: 122.899 ug/l
 RT: 13.23 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

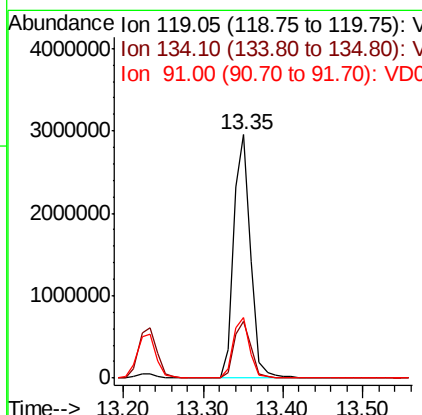
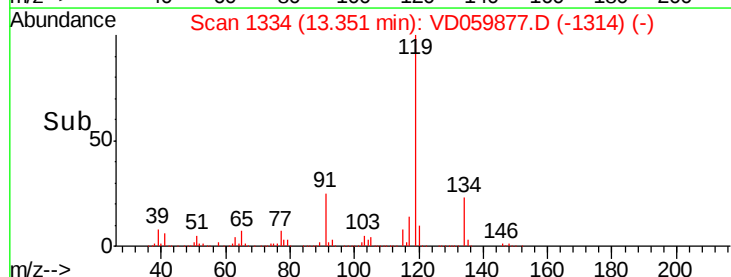
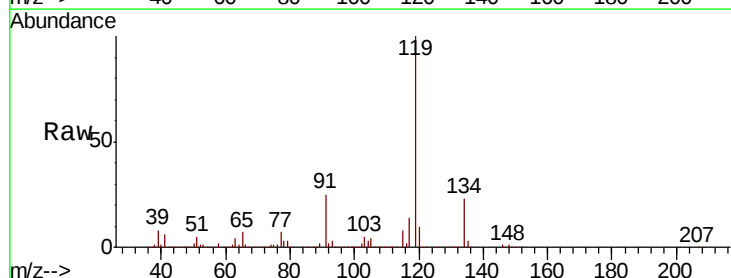
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

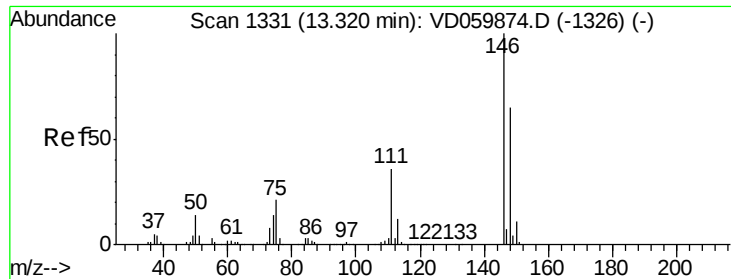
Tgt Ion:105 Resp: 5690685
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 116.211 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion:119 Resp: 4353151
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.7 38.1
 91 24.8 11.7 35.0

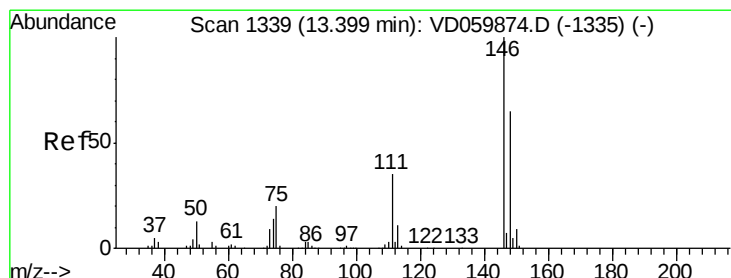
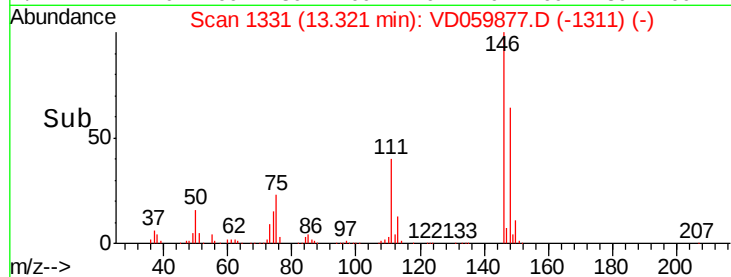
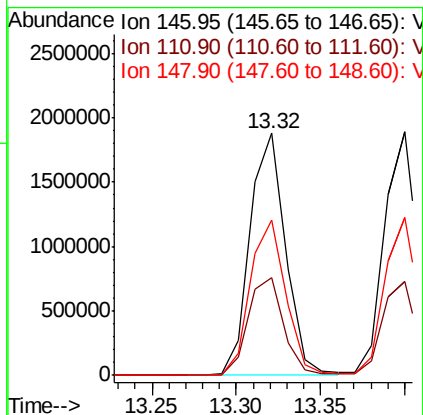
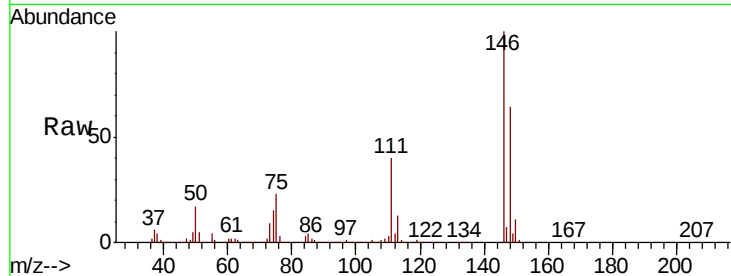




#87
 1,3-Dichlorobenzene
 Concen: 127.704 ug/l
 RT: 13.32 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

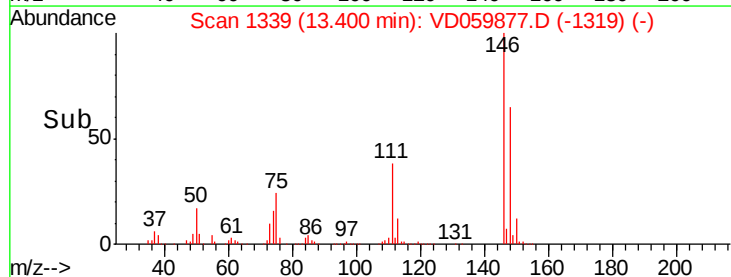
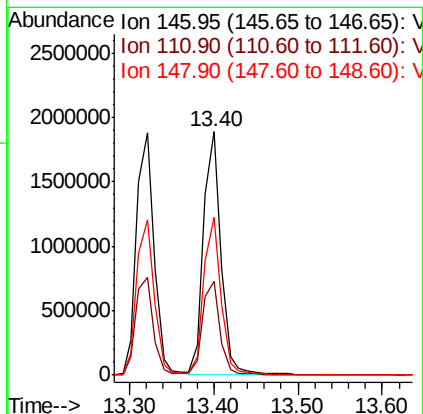
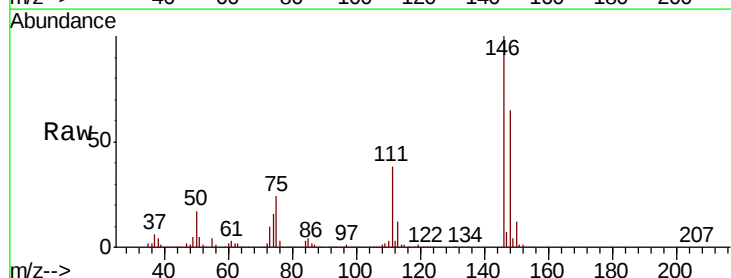
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

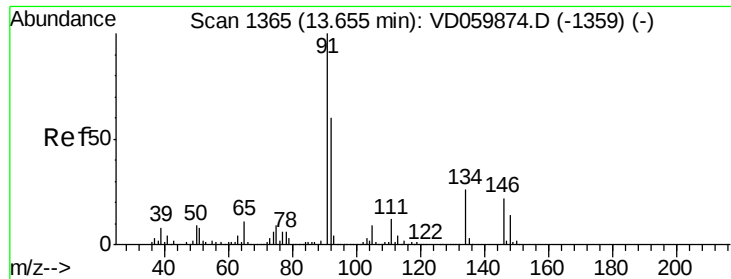
Tgt Ion:146 Resp: 2753117
 Ion Ratio Lower Upper
 146 100
 111 40.4 17.9 53.7
 148 64.5 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 126.918 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion:146 Resp: 2728991
 Ion Ratio Lower Upper
 146 100
 111 38.5 17.5 52.6
 148 64.7 32.5 97.5





#89

n-Butylbenzene

Concen: 102.696 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

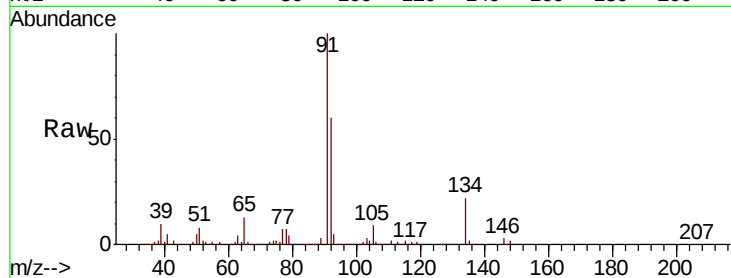
Tgt Ion: 91 Resp: 3779322

Ion Ratio Lower Upper

91 100

92 60.3 30.0 90.1

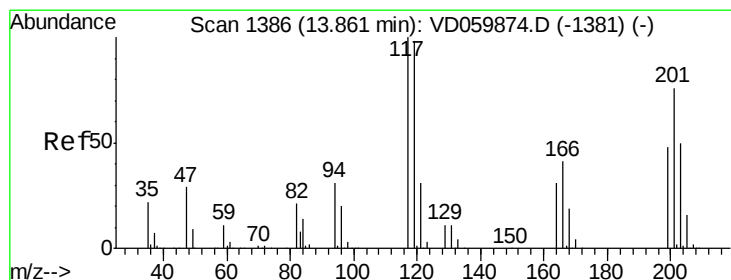
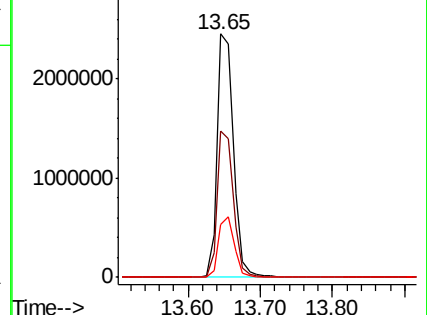
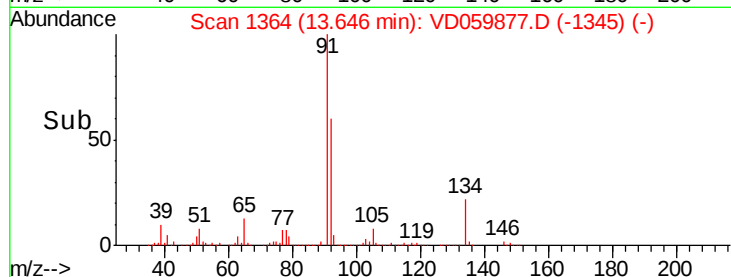
134 21.8 12.8 38.4



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): VDC



#90

Hexachloroethane

Concen: 135.308 ug/l

RT: 13.86 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VD059877.D

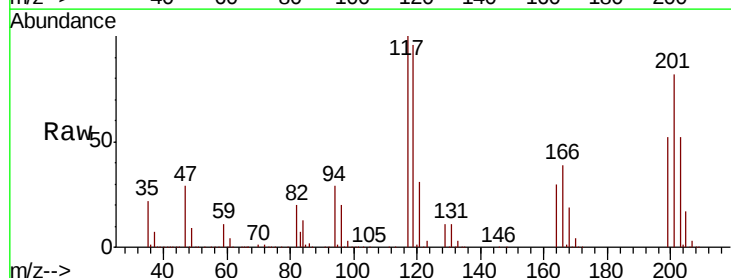
Acq: 22 Aug 2018 15:34

Tgt Ion: 117 Resp: 1380173

Ion Ratio Lower Upper

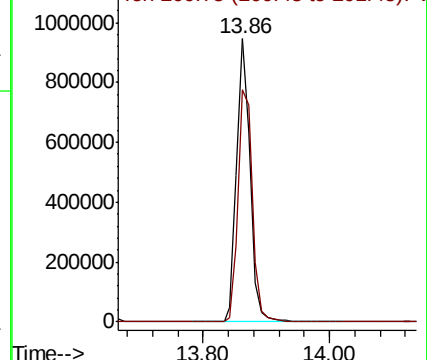
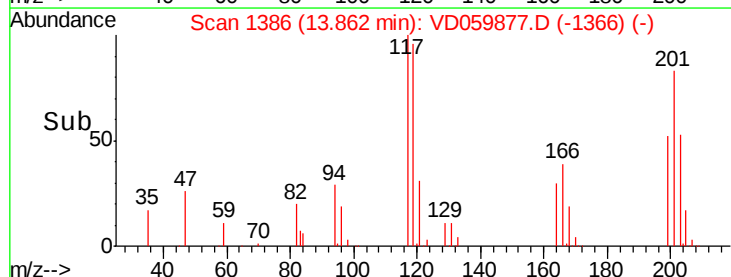
117 100

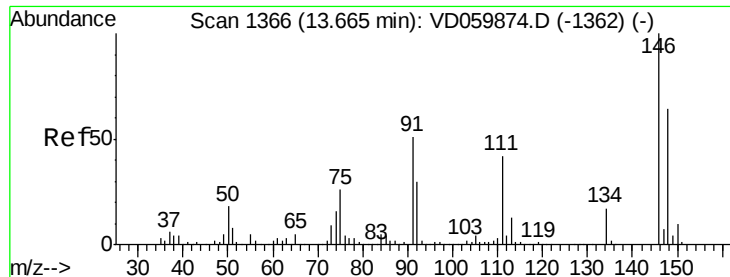
201 82.1 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

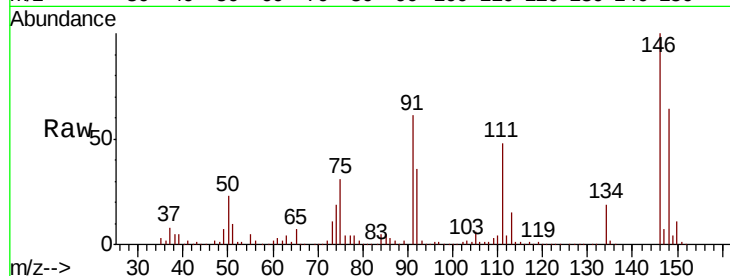




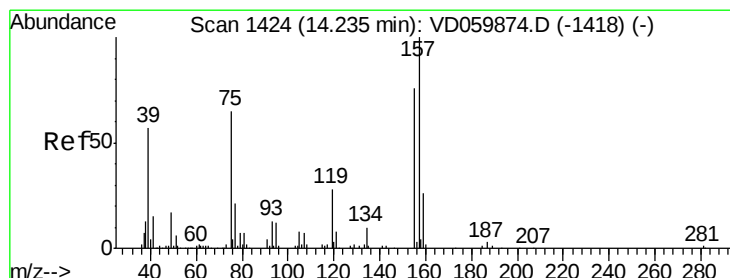
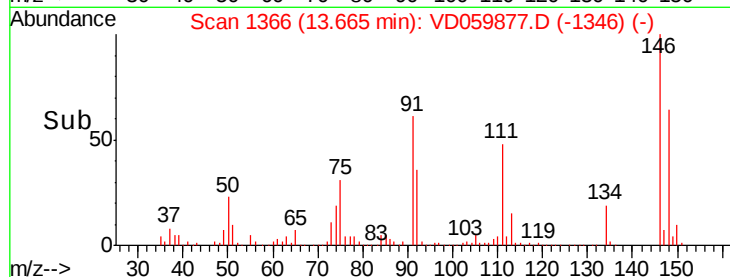
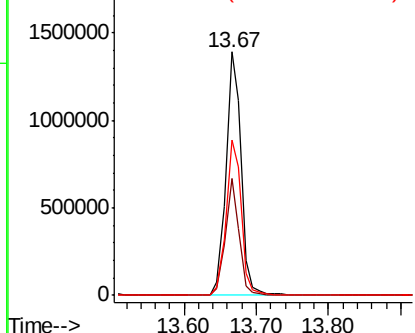
#91
 1,2-Dichlorobenzene
 Concen: 111.121 ug/l
 RT: 13.67 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1997014
 Ion Ratio Lower Upper
 146 100
 111 48.2 21.1 63.1
 148 64.0 32.2 96.6

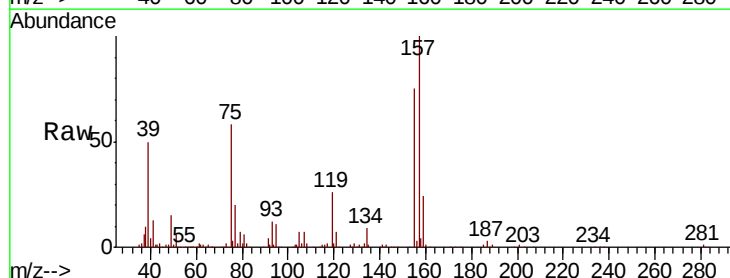


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

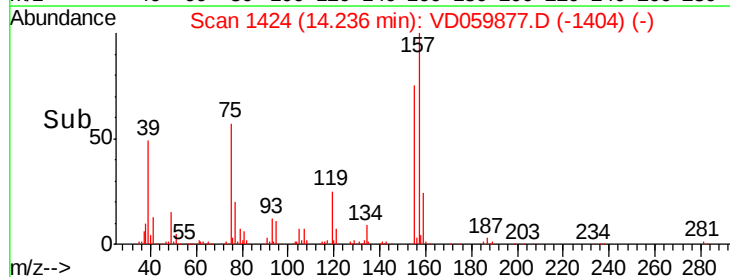
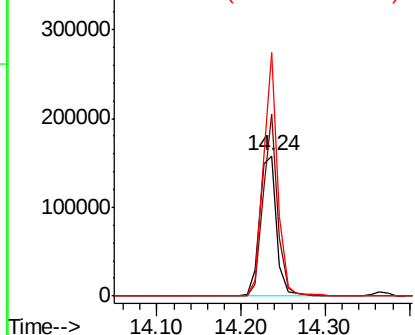


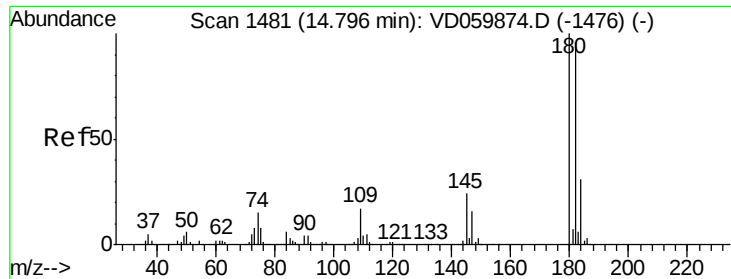
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 144.768 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion: 75 Resp: 229663
 Ion Ratio Lower Upper
 75 100
 155 129.9 58.2 174.6
 157 173.6 76.8 230.4



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

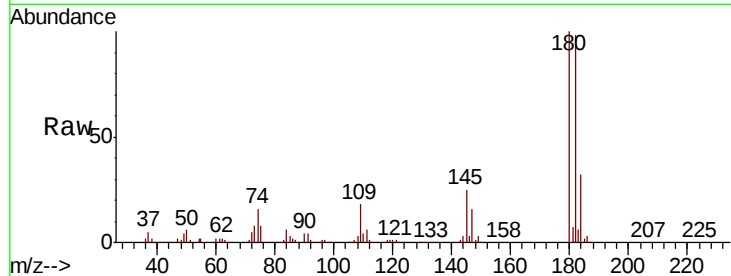




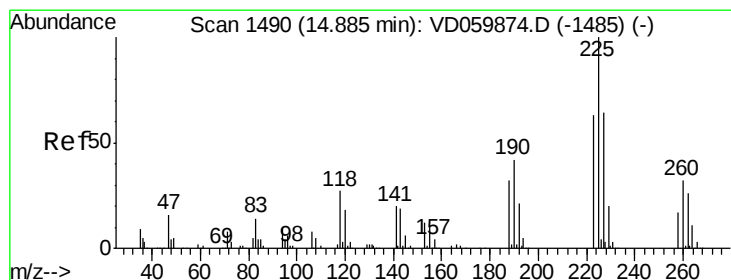
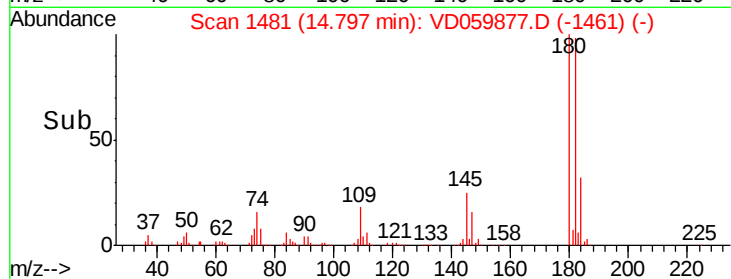
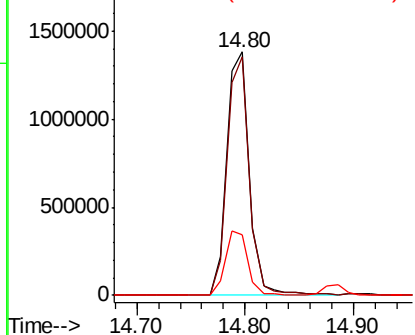
#93
 1,2,4-Trichlorobenzene
 Concen: 130.537 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:180 Resp: 2014174
 Ion Ratio Lower Upper
 180 100
 182 97.9 47.9 143.7
 145 24.9 12.2 36.4

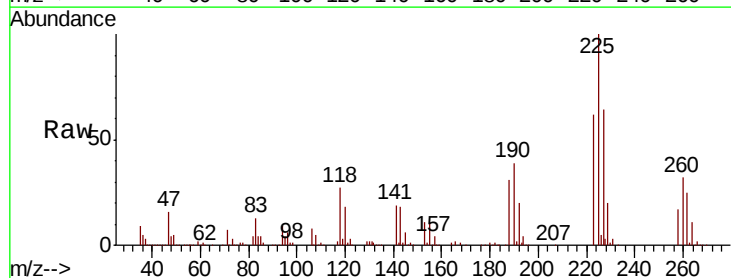


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

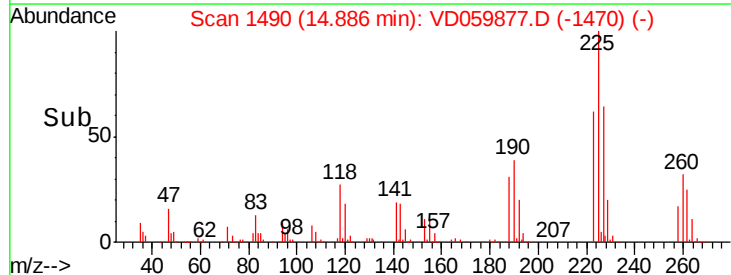
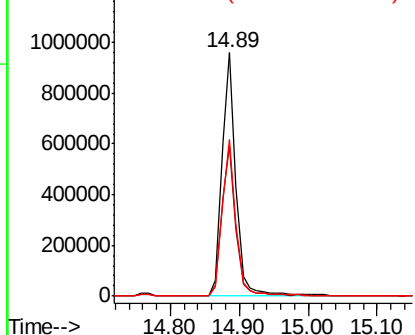


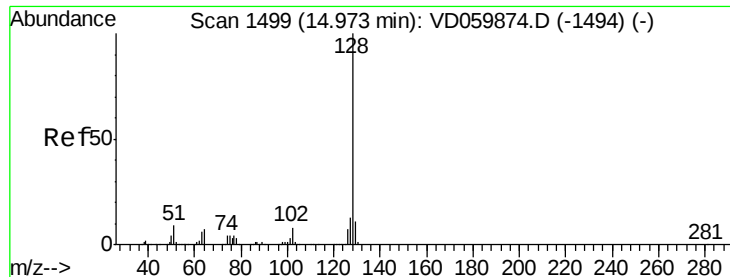
#94
 Hexachlorobutadiene
 Concen: 132.136 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059877.D
 Acq: 22 Aug 2018 15:34

Tgt Ion:225 Resp: 1352504
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.6 94.8
 227 64.3 32.0 96.0



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: 146.158 ug/l

RT: 14.97 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

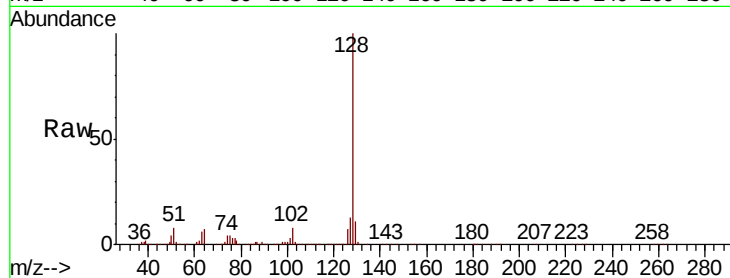
Tgt Ion:128 Resp: 3579110

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

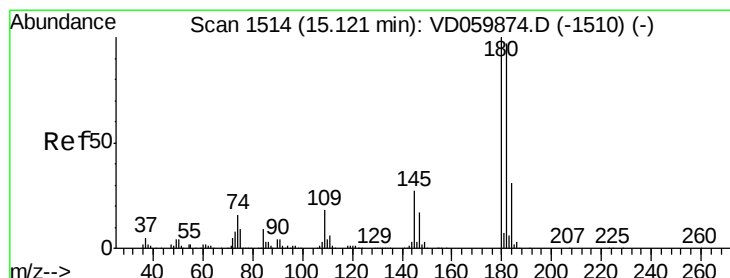
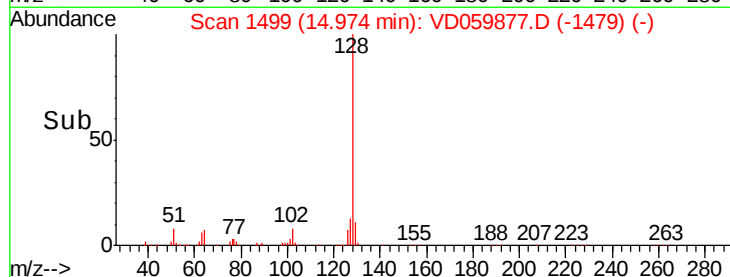
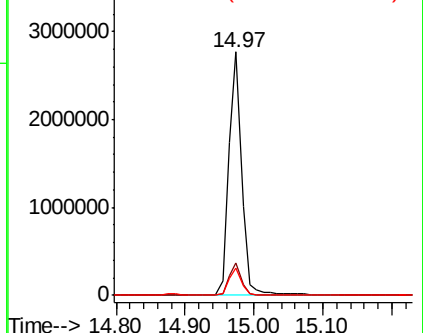
129 11.2 8.6 13.0



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: 139.254 ug/l

RT: 15.12 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VD059877.D

Acq: 22 Aug 2018 15:34

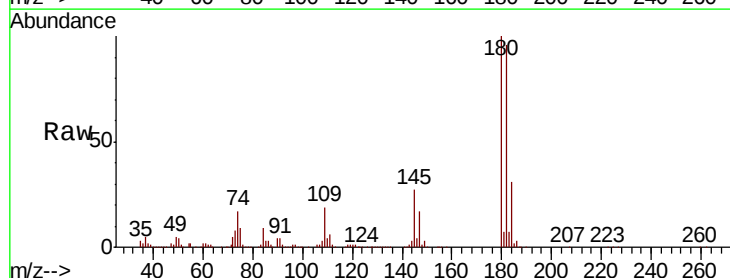
Tgt Ion:180 Resp: 1884331

Ion Ratio Lower Upper

180 100

182 95.9 48.6 145.8

145 26.7 13.6 40.8



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

