

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100118\
 Data File : VD060105.D
 Acq On : 1 Oct 2018 19:15
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 02 02:13:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1583162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2160119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1711160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	910234	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	1630912	132.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.62%	
35) Dibromofluoromethane	6.30	113	2370491	140.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.36%	
50) Toluene-d8	9.44	98	6310695	133.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	266.88%	
62) 4-Bromofluorobenzene	12.42	95	2294238	128.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	256.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	1625518	99.311	ug/l	99
3) Chloromethane	1.73	50	2126090	145.143	ug/l	100
4) Vinyl Chloride	1.83	62	1615460	137.386	ug/l	100
5) Bromomethane	2.10	94	144546	105.931	ug/l	94
6) Chloroethane	2.20	64	136914	52.369	ug/l	100
7) Trichlorofluoromethane	2.46	101	1667930	128.930	ug/l	98
8) Diethyl Ether	2.79	74	384124	139.510	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.05	101	1065950	131.202	ug/l	98
10) Methyl Iodide	3.21	142	1376038	158.724	ug/l	98
11) Tert butyl alcohol	3.96	59	646085	659.782	ug/l	98
12) 1,1-Dichloroethene	3.03	96	842103	130.895	ug/l	98
13) Acrolein	2.95	56	344212	568.973	ug/l	100
14) Allyl chloride	3.49	41	1887097	139.439	ug/l	98
15) Acrylonitrile	4.05	53	2358901	635.556	ug/l	98
16) Acetone	3.14	43	1400441	598.548	ug/l	99
17) Carbon Disulfide	3.27	76	3024959	136.769	ug/l	99
18) Methyl Acetate	3.52	43	677704	140.653	ug/l	100
19) Methyl tert-butyl Ether	4.09	73	3895143	131.191	ug/l	99
20) Methylene Chloride	3.68	84	2323648	116.457	ug/l	97
21) trans-1,2-Dichloroethene	4.05	96	2258440	133.590	ug/l	98
22) Diisopropyl ether	4.82	45	8023018	130.566	ug/l	96
23) Vinyl Acetate	4.77	43	21736005	623.308	ug/l	98
24) 1,1-Dichloroethane	4.72	63	3817248	137.595	ug/l	99
25) 2-Butanone	5.60	43	3672798	581.847	ug/l	99
26) 2,2-Dichloropropane	5.55	77	2601624	121.172	ug/l	97
27) cis-1,2-Dichloroethene	5.56	96	2341377	132.503	ug/l	95
28) Bromochloromethane	5.89	49	1757311	130.330	ug/l	93
29) Tetrahydrofuran	5.92	42	2156511	637.037	ug/l	98
30) Chloroform	6.07	83	3849443	137.399	ug/l	99
31) Cyclohexane	6.34	56	3288592	122.450	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	3154482	136.213	ug/l	99
36) 1,1-Dichloropropene	6.49	75	2638592	124.847	ug/l	97
37) Ethyl Acetate	5.68	43	1922010	131.706	ug/l	98
38) Carbon Tetrachloride	6.47	117	2556978	130.284	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	2996825	124.978	ug/l	99
40) Benzene	6.77	78	7039999	130.525	ug/l	100
41) Methacrylonitrile	5.92	41	2143515	276.061	ug/l #	92
42) 1,2-Dichloroethane	6.87	62	2202894	136.179	ug/l	100
43) Isopropyl Acetate	8.33	43	2697163	139.482	ug/l	97
44) Trichloroethene	7.71	130	2327139	138.915	ug/l	98
45) 1,2-Dichloropropane	8.08	63	1981854	137.274	ug/l	96
46) Dibromomethane	8.20	93	1339153	142.705	ug/l	95
47) Bromodichloromethane	8.47	83	2877383	141.840	ug/l	99
48) Methyl methacrylate	8.22	41	1479123	137.208	ug/l	97
49) 1,4-Dioxane	8.21	88	300706	2803.053	ug/l	90
51) 4-Methyl-2-Pentanone	9.33	43	7248512	546.418	ug/l	99
52) Toluene	9.53	92	4538831	130.385	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	2611290	137.837	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	3084476	136.454	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	1608308	133.211	ug/l	99
56) Ethyl methacrylate	10.02	69	1865959	140.206	ug/l	99
57) 1,3-Dichloropropane	10.37	76	2415496	135.848	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	4028433	613.834	ug/l	98
59) 2-Hexanone	10.48	43	5400287	564.145	ug/l	97
60) Dibromochloromethane	10.63	129	2120304	145.559	ug/l	97
61) 1,2-Dibromoethane	10.74	107	1809876	145.232	ug/l	99
64) Tetrachloroethene	10.23	164	2046834	137.336	ug/l	98
65) Chlorobenzene	11.30	112	4851709	133.339	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	1558215	127.289	ug/l	99
67) Ethyl Benzene	11.42	91	6706241	114.786	ug/l	95
68) m/p-Xylenes	11.56	106	5015901	233.104	ug/l	95
69) o-Xylene	11.92	106	2670418	124.442	ug/l	99
70) Styrene	11.94	104	4503159	124.973	ug/l	98
71) Bromoform	12.10	173	1596228	152.347	ug/l	99
73) Isopropylbenzene	12.27	105	7143083	120.768	ug/l	100
74) N-amyl acetate	12.12	43	3048008	130.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	1796401	133.995	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	1839533	134.463	ug/l	98
77) Bromobenzene	12.53	156	2195396	128.106	ug/l	86
78) n-propylbenzene	12.63	91	8771344	118.294	ug/l	92
79) 2-Chlorotoluene	12.70	91	5123728	122.646	ug/l	94
80) 1,3,5-Trimethylbenzene	12.78	105	5246313	115.783	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	589490	142.998	ug/l	93
82) 4-Chlorotoluene	12.80	91	5267206	114.666	ug/l	96
83) tert-Butylbenzene	13.04	119	6296699	119.694	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	5662998	116.755	ug/l	96
85) sec-Butylbenzene	13.21	105	7536799	121.408	ug/l	97
86) p-Isopropyltoluene	13.33	119	5972518	118.875	ug/l	97
87) 1,3-Dichlorobenzene	13.30	146	3644411	122.528	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	3708837	123.032	ug/l	97
89) n-Butylbenzene	13.64	91	5096743	104.138	ug/l	99
90) Hexachloroethane	13.85	117	1725611	138.892	ug/l	69
91) 1,2-Dichlorobenzene	13.66	146	2597813	105.825	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	271206	132.435	ug/l	100

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Quant Title : SW846 8260
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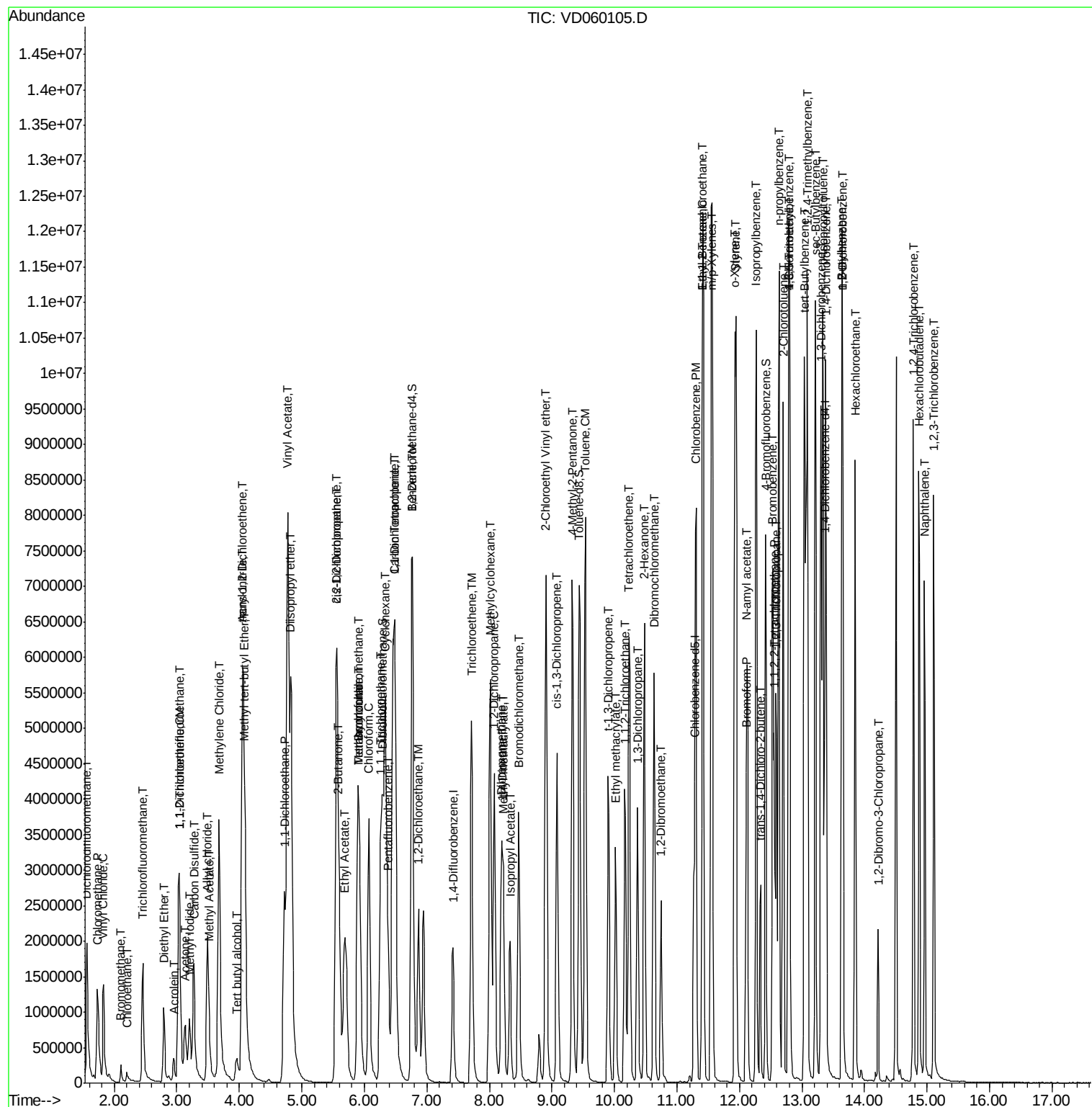
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2751826	129.818	ug/l	99
94) Hexachlorobutadiene	14.88	225	1782172	126.896	ug/l	98
95) Naphthalene	14.96	128	4593605	140.527	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	2516200	135.532	ug/l	98

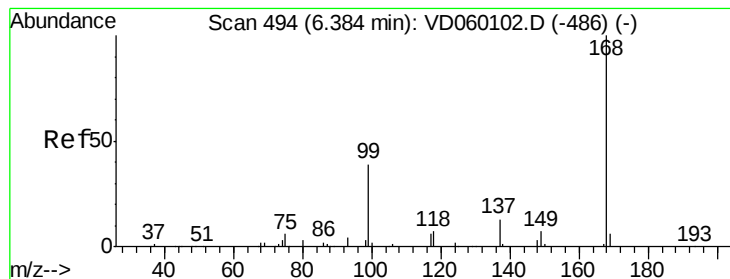
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 1 Oct 2018 19:15
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Sample : VSTDIC150
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Quant Time: Oct 02 02:13:55 2018
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

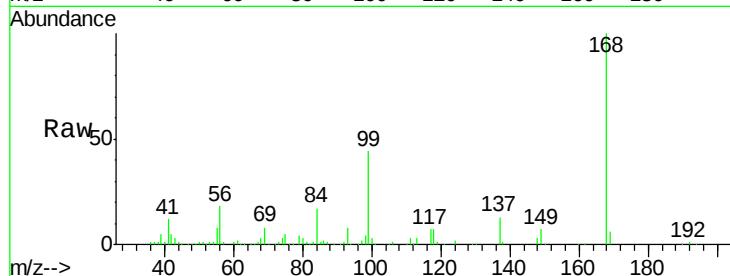
VSTDIC150

Tgt Ion:168 Resp: 1583162

Ion Ratio Lower Upper

168 100

99 43.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

800000

600000

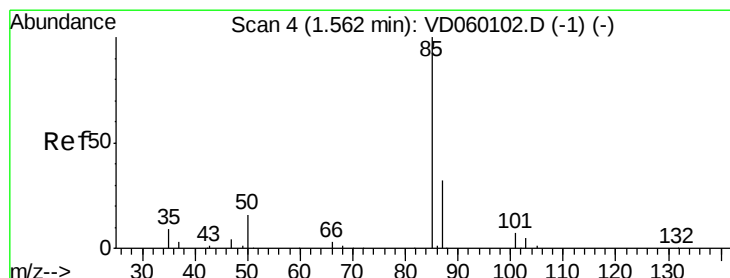
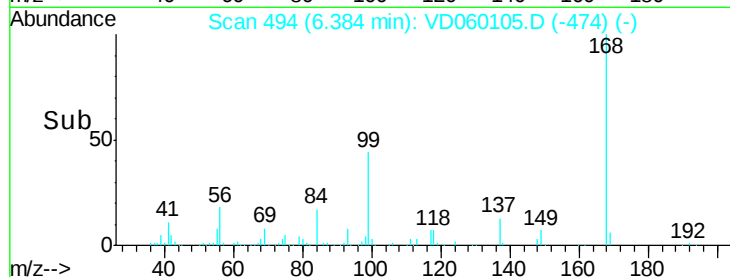
400000

200000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 99.311 ug/l

RT: 1.56 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060105.D

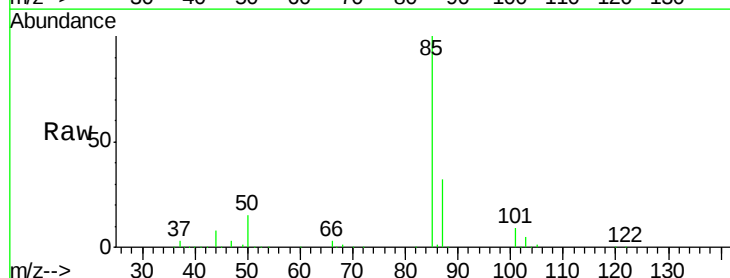
Acq: 1 Oct 2018 19:15

Tgt Ion: 85 Resp: 1625518

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1200000

1000000

800000

600000

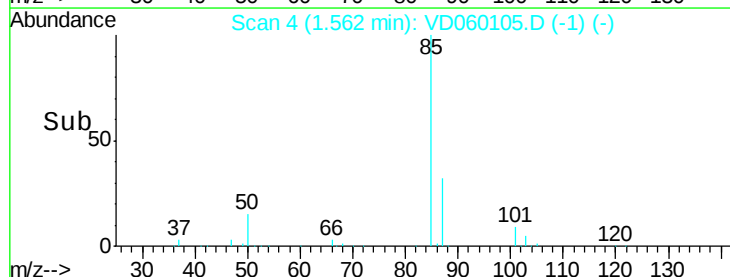
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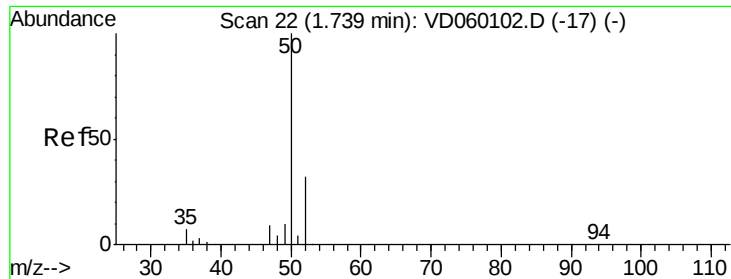
200000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 145.143 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

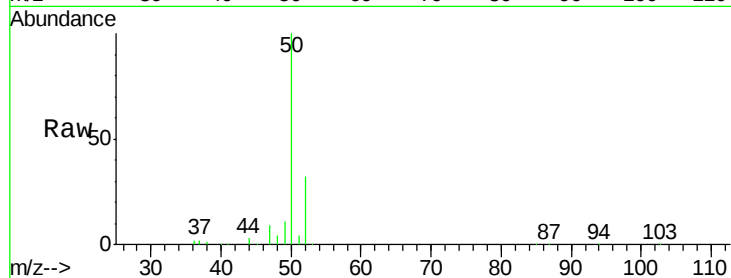
VSTDIC150

Tgt Ion: 50 Resp: 2126090

Ion Ratio Lower Upper

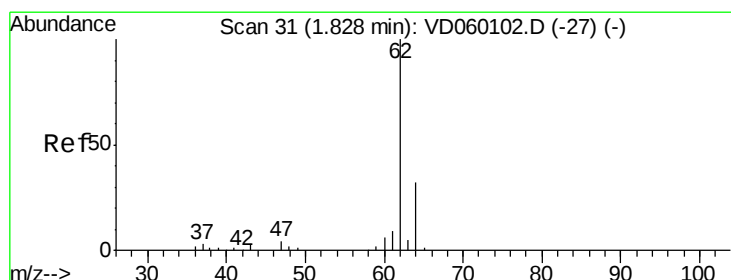
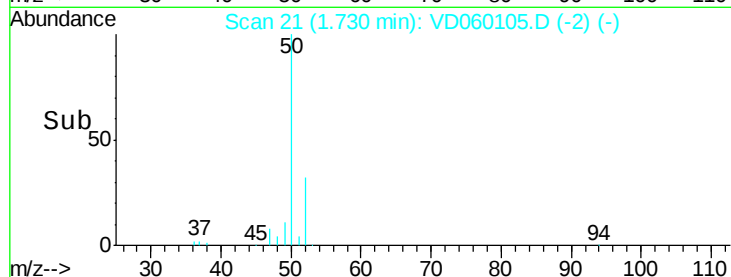
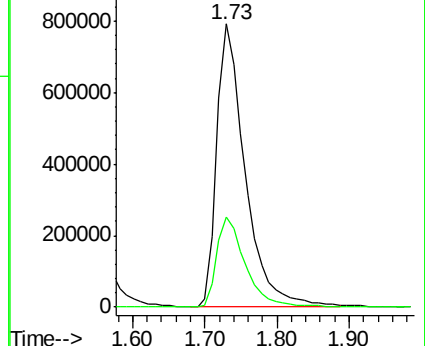
50 100

52 31.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 137.386 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060105.D

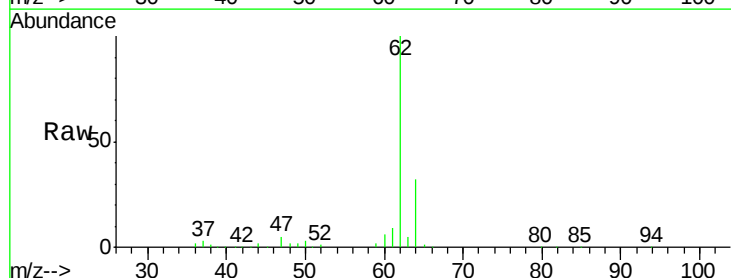
Acq: 1 Oct 2018 19:15

Tgt Ion: 62 Resp: 1615460

Ion Ratio Lower Upper

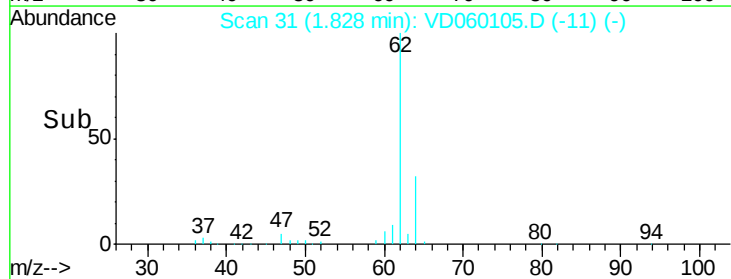
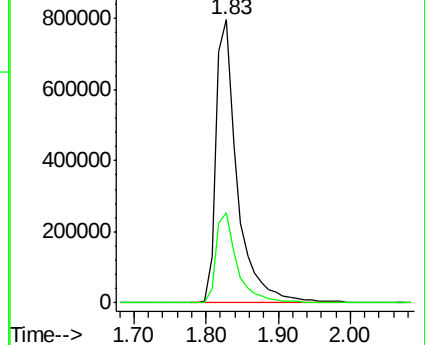
62 100

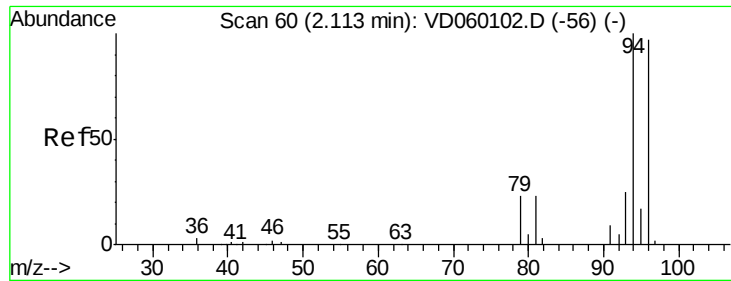
64 31.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 105.931 ug/l

RT: 2.10 min Scan# 59

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

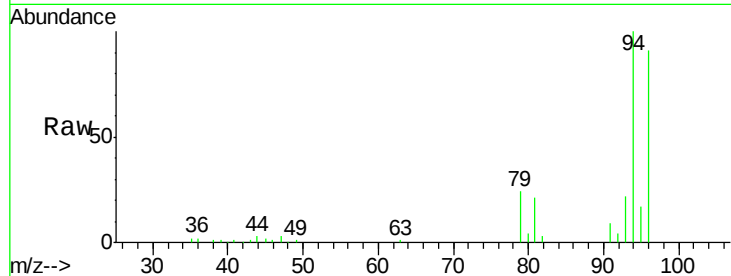
VSTDIC150

Tgt Ion: 94 Resp: 144546

Ion Ratio Lower Upper

94 100

96 91.3 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.10

80000

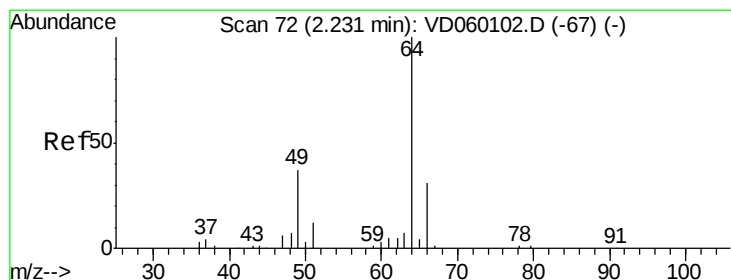
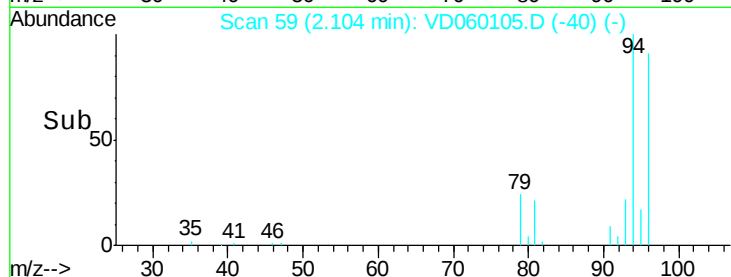
60000

40000

20000

0

Time--> 2.00 2.10 2.20



#6

Chloroethane

Concen: 52.369 ug/l

RT: 2.20 min Scan# 69

Delta R.T. -0.03 min

Lab File: VD060105.D

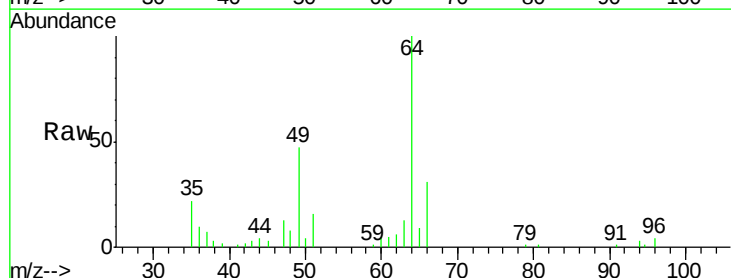
Acq: 1 Oct 2018 19:15

Tgt Ion: 64 Resp: 136914

Ion Ratio Lower Upper

64 100

66 31.0 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.20

50000

40000

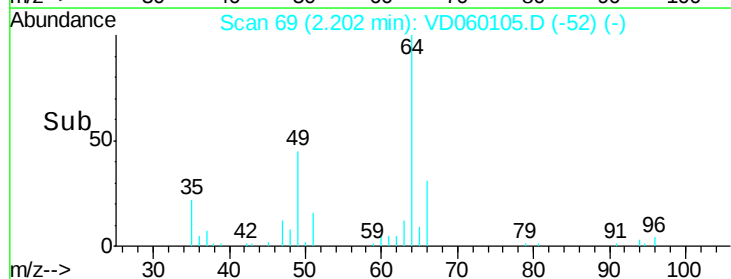
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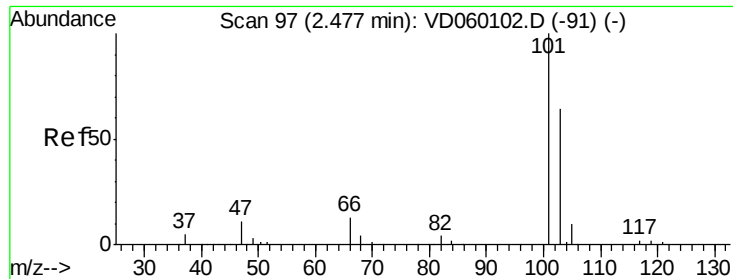
20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30



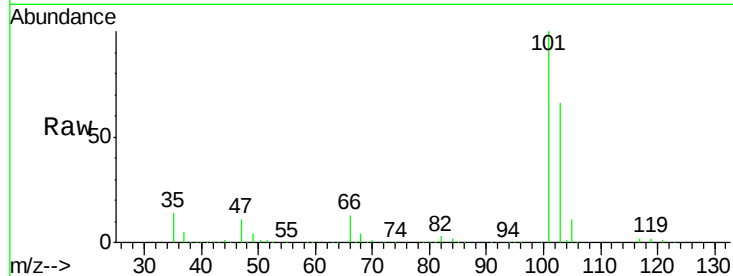


#7

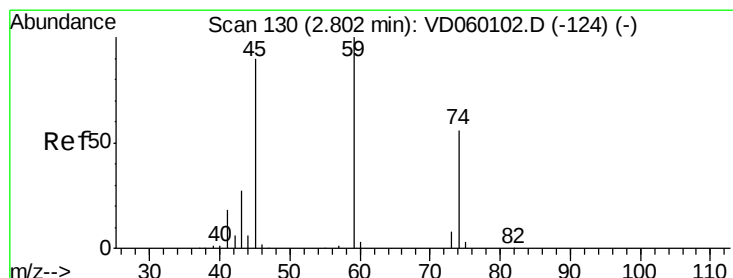
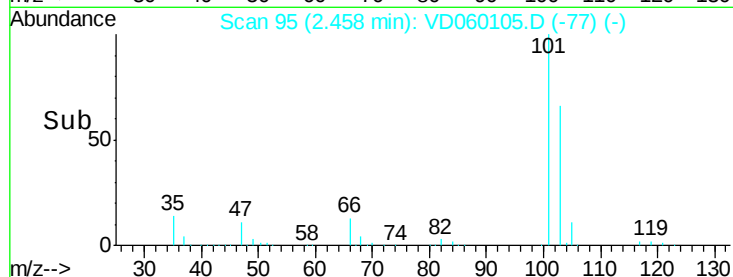
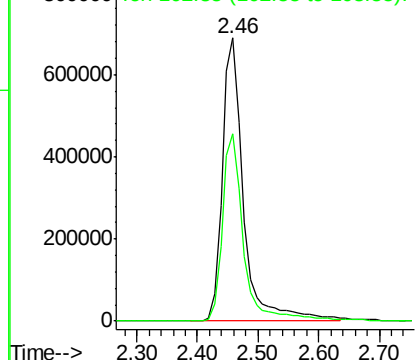
Trichlorofluoromethane
Concen: 128.930 ug/l
RT: 2.46 min Scan# 95
Delta R.T. -0.02 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:101 Resp: 1667930
Ion Ratio Lower Upper
101 100
103 66.1 51.5 77.3



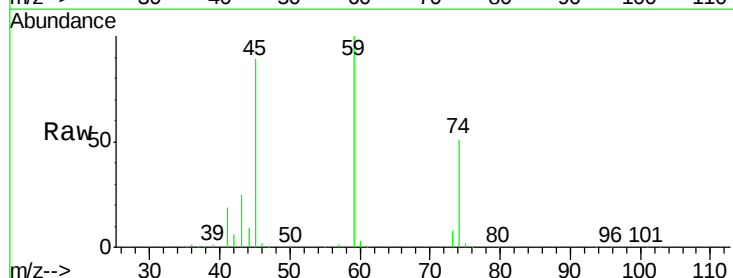
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



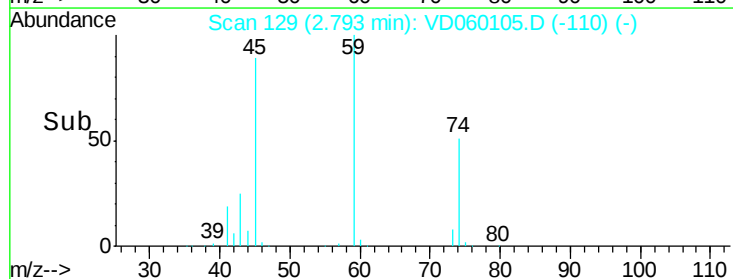
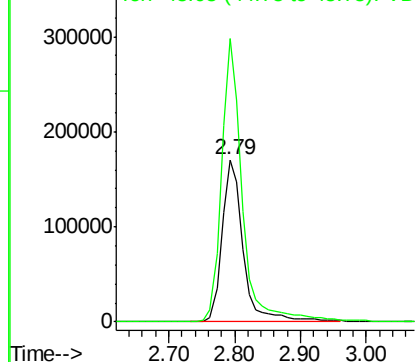
#8

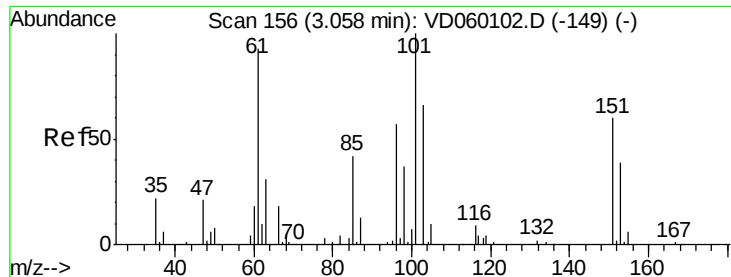
Diethyl Ether
Concen: 139.510 ug/l
RT: 2.79 min Scan# 129
Delta R.T. -0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 74 Resp: 384124
Ion Ratio Lower Upper
74 100
45 174.8 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.202 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

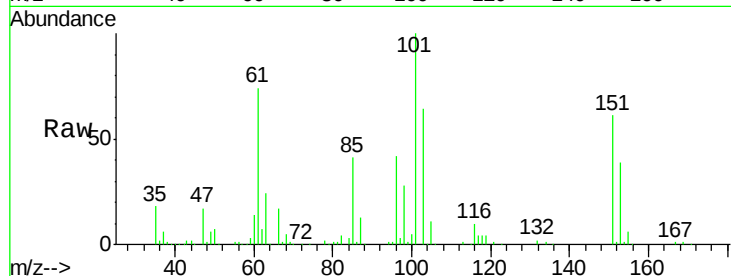
Tgt Ion:101 Resp: 1065950

Ion Ratio Lower Upper

101 100

85 41.0 33.4 50.0

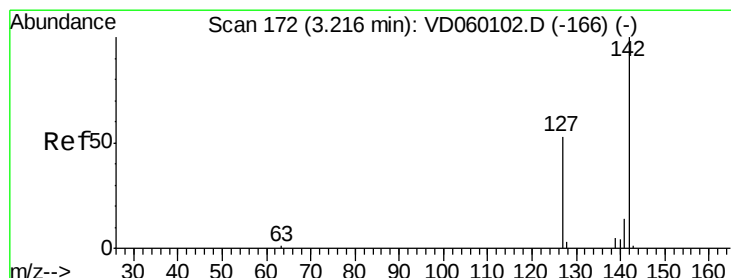
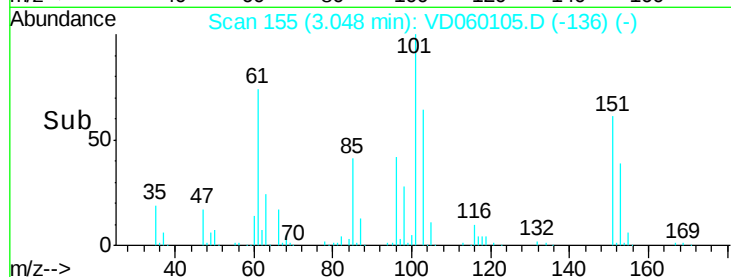
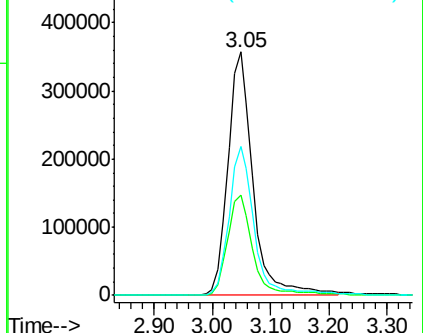
151 61.3 48.0 72.0



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: 158.724 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

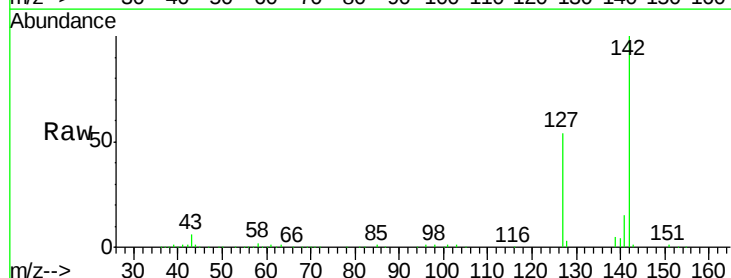
Tgt Ion:142 Resp: 1376038

Ion Ratio Lower Upper

142 100

127 54.2 42.0 63.0

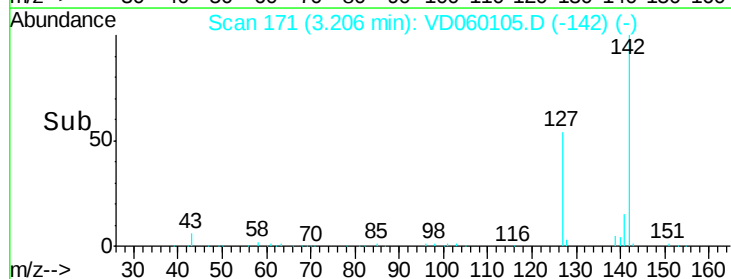
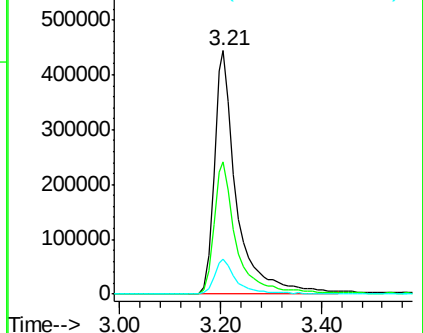
141 14.5 11.4 17.0

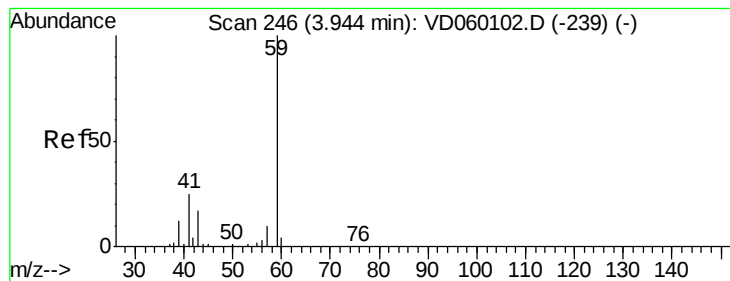


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



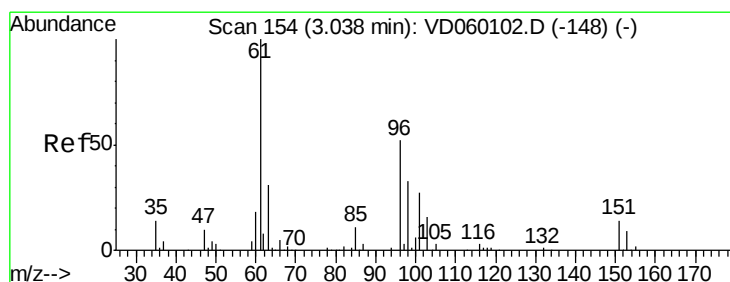
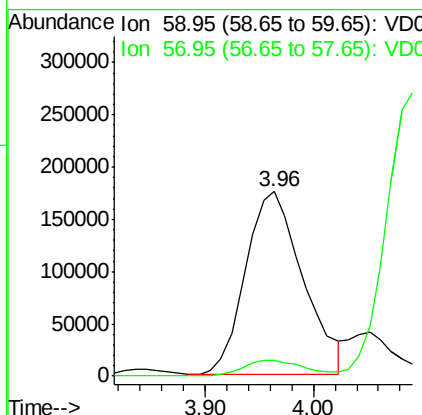
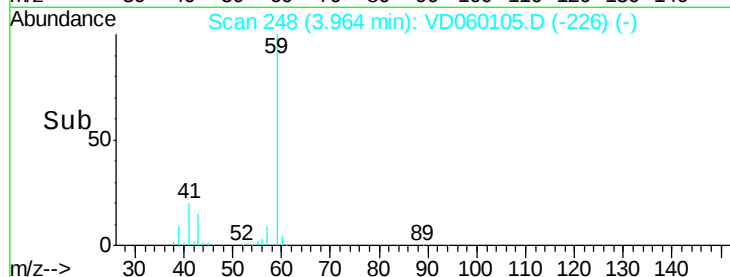
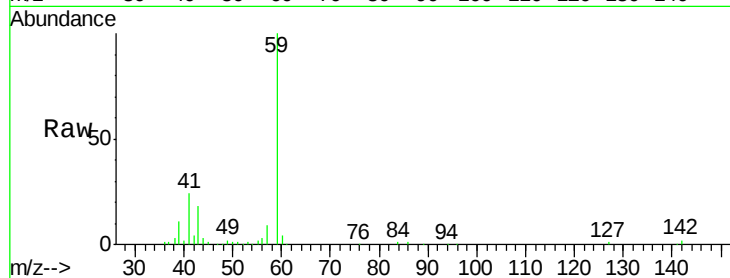


#11

Tert butyl alcohol
Concen: 659.782 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

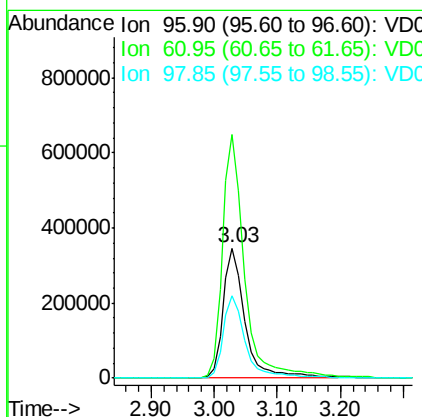
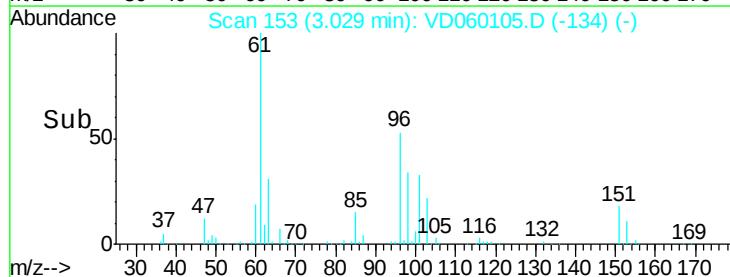
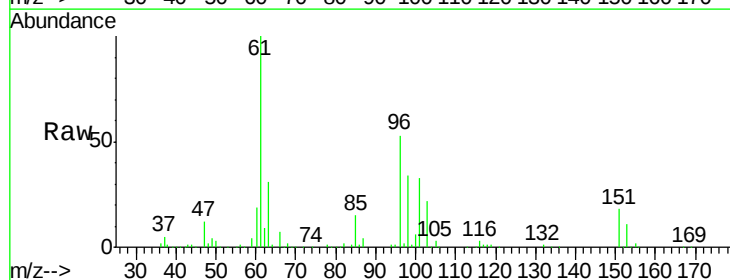
Tgt Ion: 59 Resp: 646085
Ion Ratio Lower Upper
59 100
57 8.9 7.8 11.6

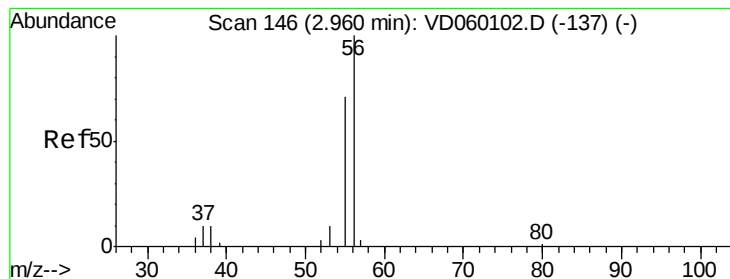


#12

1,1-Dichloroethene
Concen: 130.895 ug/l
RT: 3.03 min Scan# 153
Delta R.T. -0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 96 Resp: 842103
Ion Ratio Lower Upper
96 100
61 187.2 153.0 229.4
98 63.0 51.1 76.7





#13

Acrolein

Concen: 568.973 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

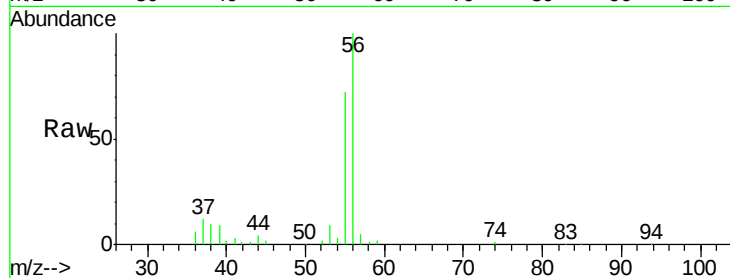
VSTDIC150

Tgt Ion: 56 Resp: 344212

Ion Ratio Lower Upper

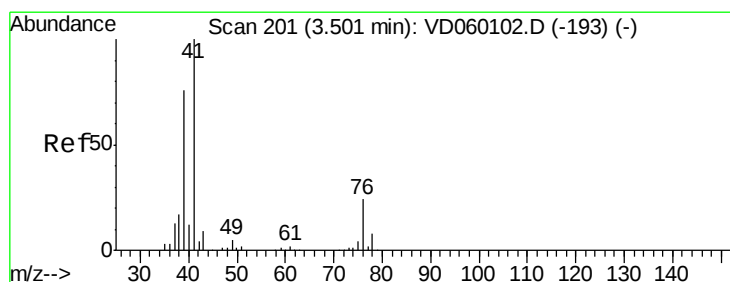
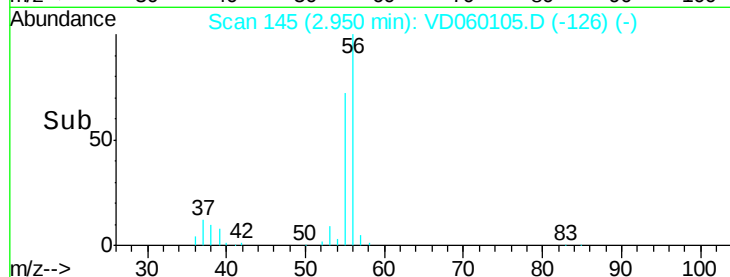
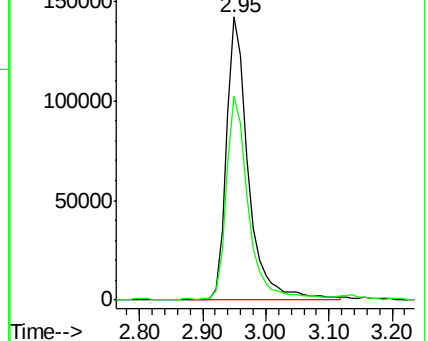
56 100

55 71.9 57.4 86.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 139.439 ug/l

RT: 3.49 min Scan# 200

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

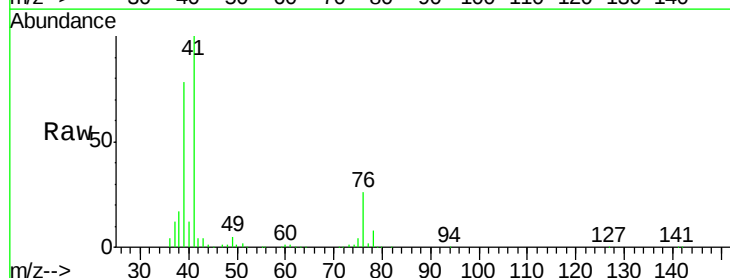
Tgt Ion: 41 Resp: 1887097

Ion Ratio Lower Upper

41 100

39 77.6 60.6 90.8

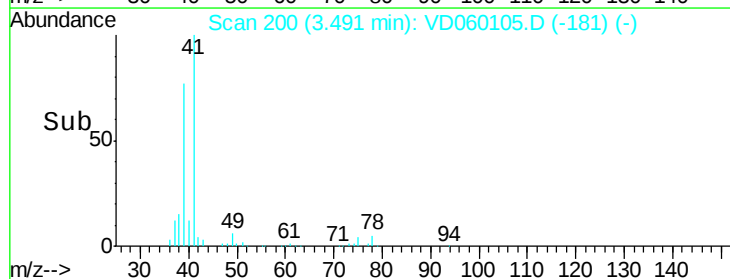
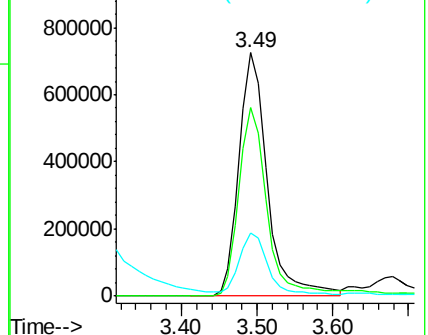
76 25.9 21.3 31.9

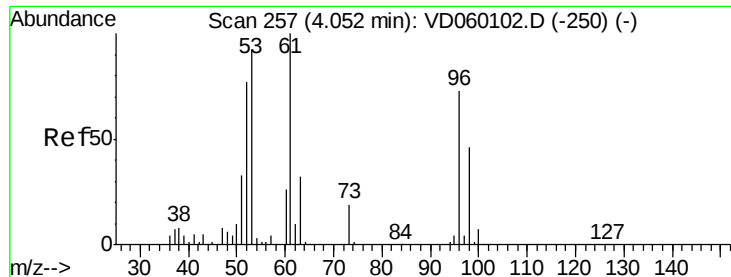


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 635.556 ug/l

RT: 4.05 min Scan# 257

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

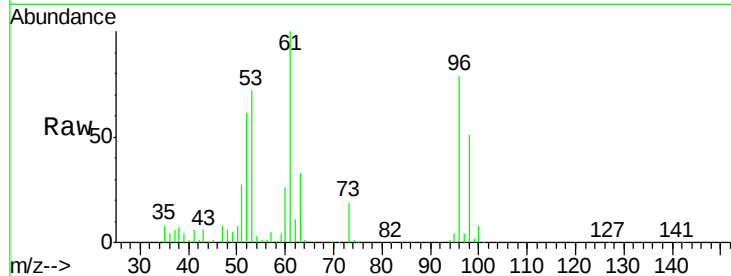
Tgt Ion: 53 Resp: 2358901

Ion Ratio Lower Upper

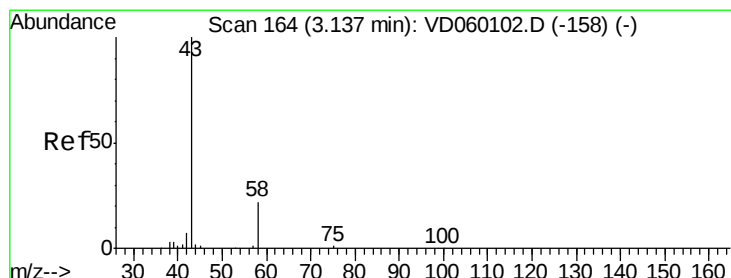
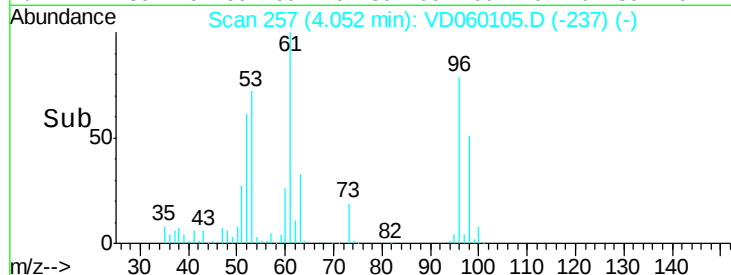
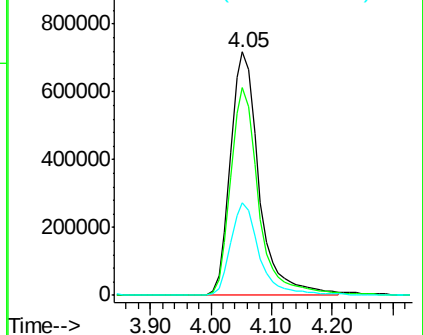
53 100

52 85.6 67.5 101.3

51 37.9 29.3 43.9



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



#16

Acetone

Concen: 598.548 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD060105.D

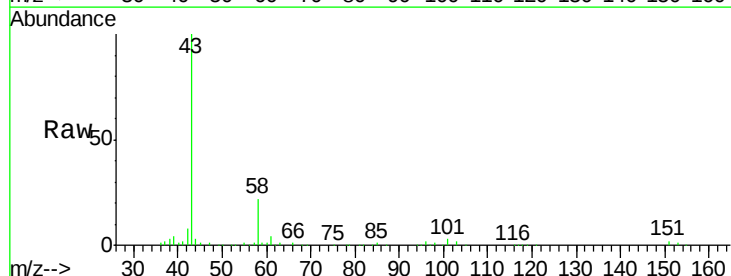
Acq: 1 Oct 2018 19:15

Tgt Ion: 43 Resp: 1400441

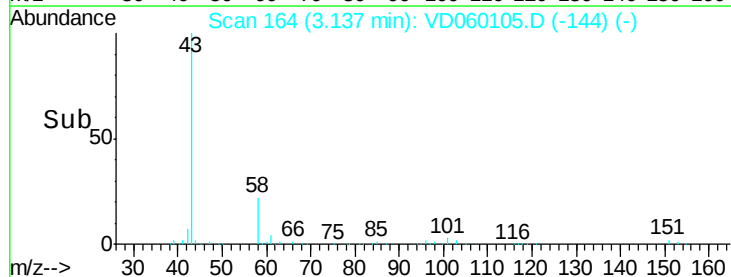
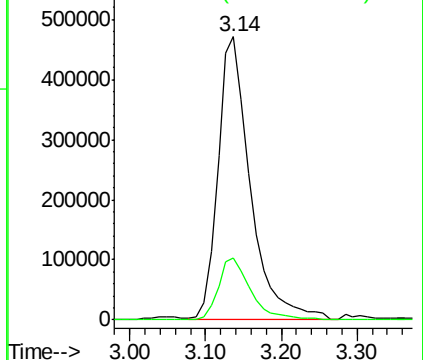
Ion Ratio Lower Upper

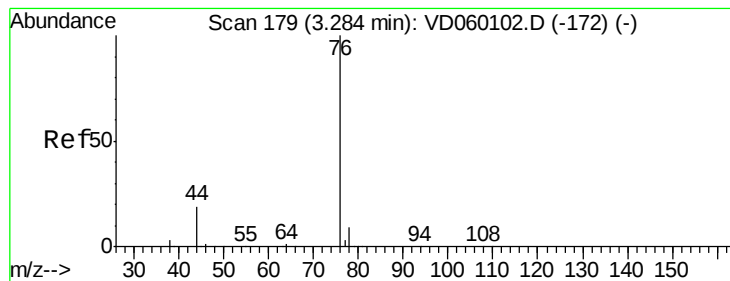
43 100

58 21.8 17.7 26.5



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





#17

Carbon Disulfide

Concen: 136.769 ug/l

RT: 3.27 min Scan# 178

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

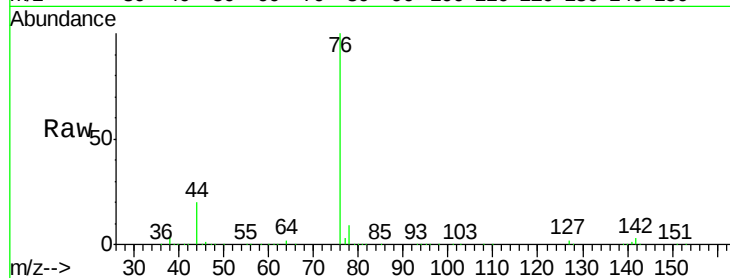
VSTDIC150

Tgt Ion: 76 Resp: 3024959

Ion Ratio Lower Upper

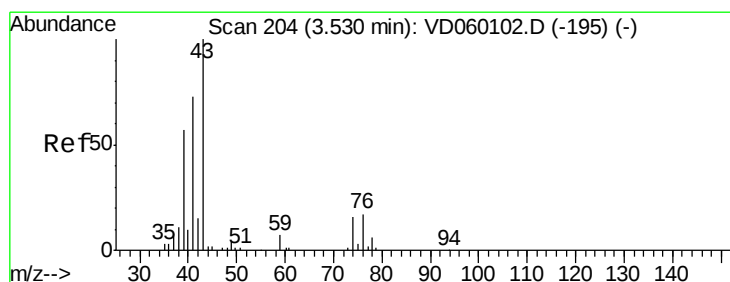
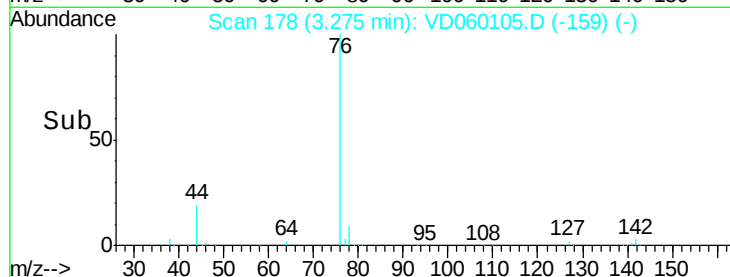
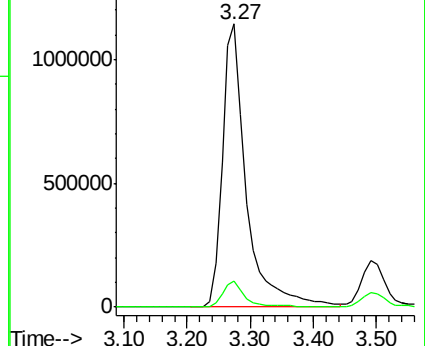
76 100

78 9.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 140.653 ug/l

RT: 3.52 min Scan# 203

Delta R.T. -0.01 min

Lab File: VD060105.D

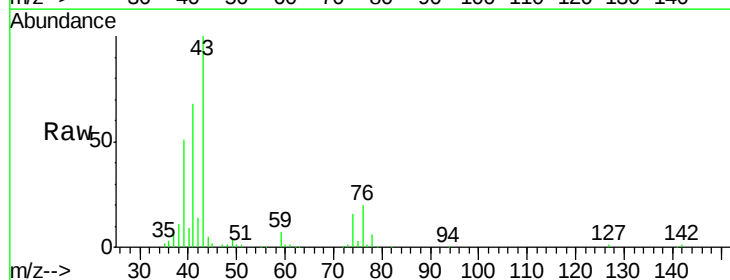
Acq: 1 Oct 2018 19:15

Tgt Ion: 43 Resp: 677704

Ion Ratio Lower Upper

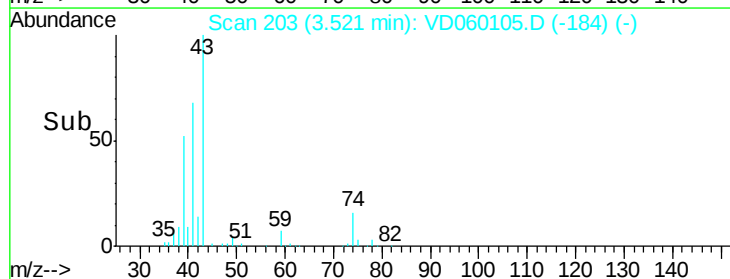
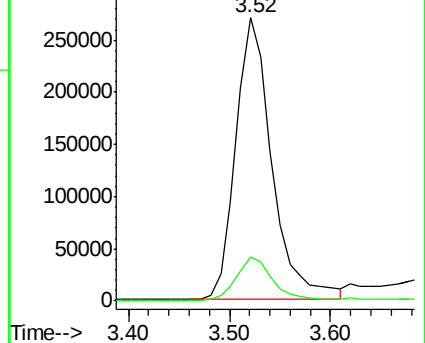
43 100

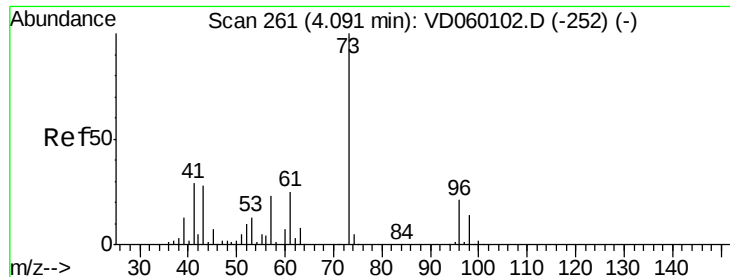
74 15.7 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

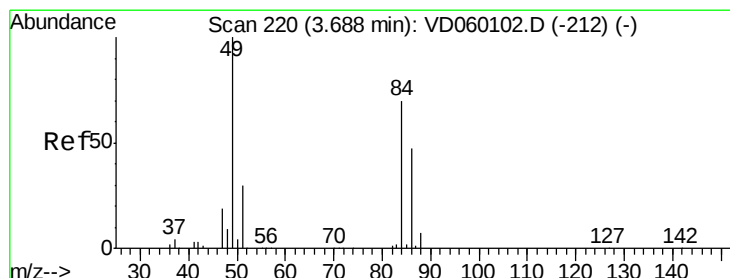
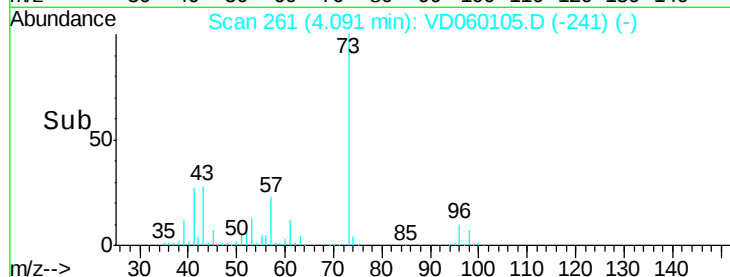
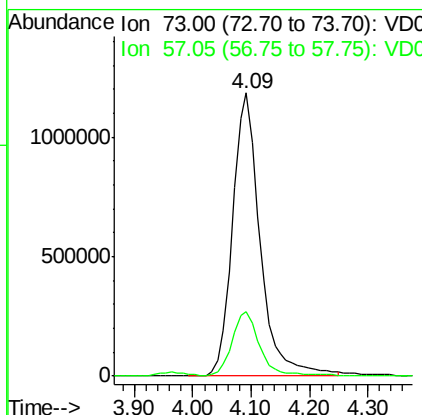
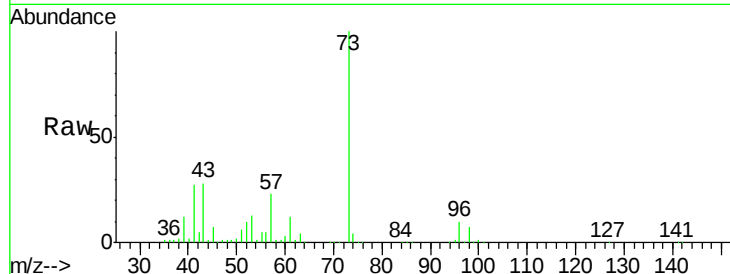




#19
Methyl tert-butyl Ether
Concen: 131.191 ug/l
RT: 4.09 min Scan# 261
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

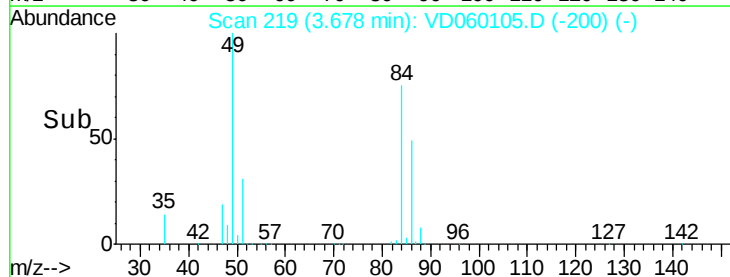
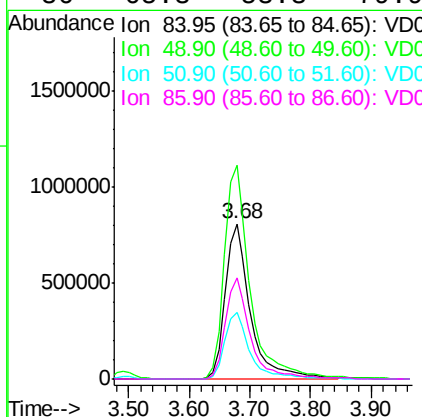
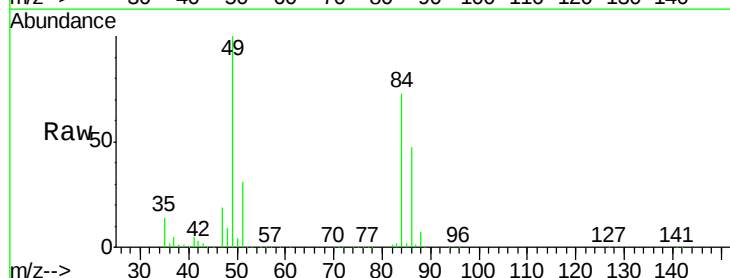
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

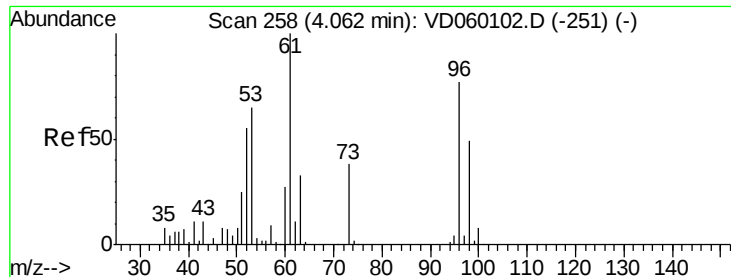
Tgt Ion: 73 Resp: 3895143
Ion Ratio Lower Upper
73 100
57 22.9 18.7 28.1



#20
Methylene Chloride
Concen: 116.457 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 84 Resp: 2323648
Ion Ratio Lower Upper
84 100
49 137.8 114.6 172.0
51 43.1 33.8 50.8
86 65.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 133.590 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

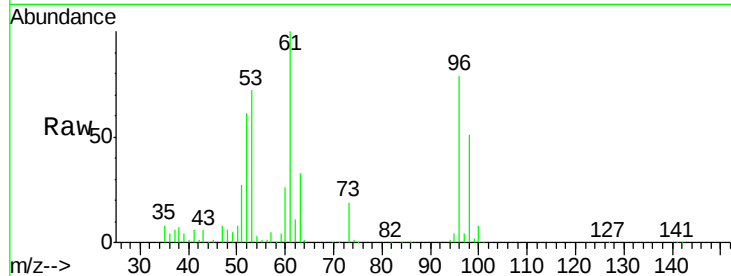
Tgt Ion: 96 Resp: 2258440

Ion Ratio Lower Upper

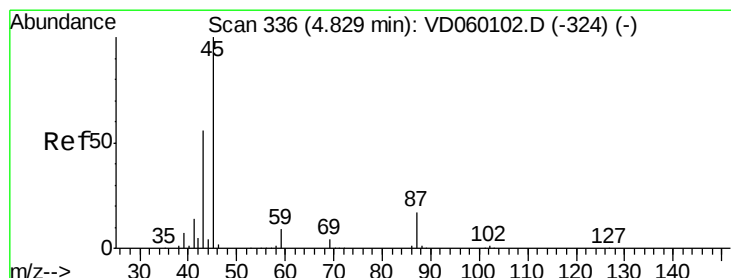
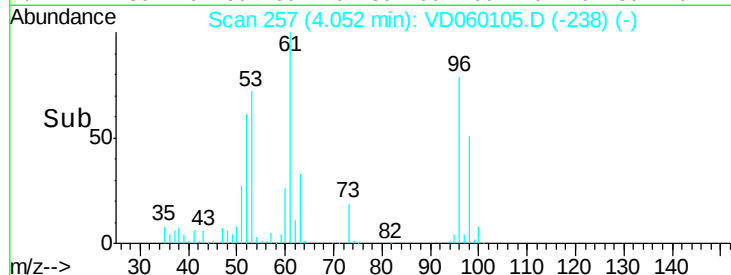
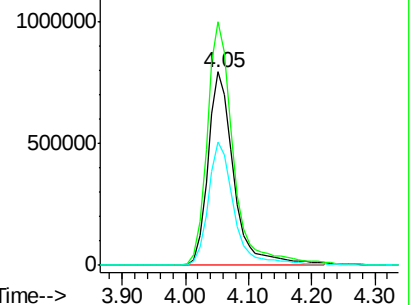
96 100

61 125.9 103.3 154.9

98 63.9 50.4 75.6



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: 130.566 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tgt Ion: 45 Resp: 8023018

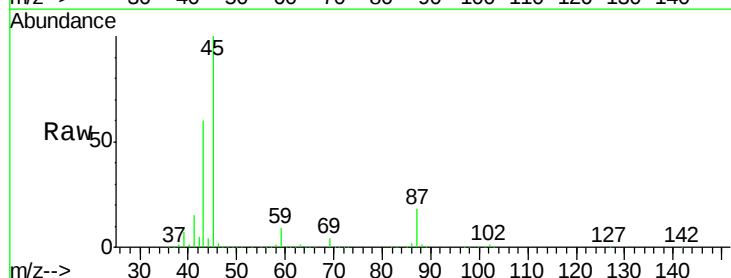
Ion Ratio Lower Upper

45 100

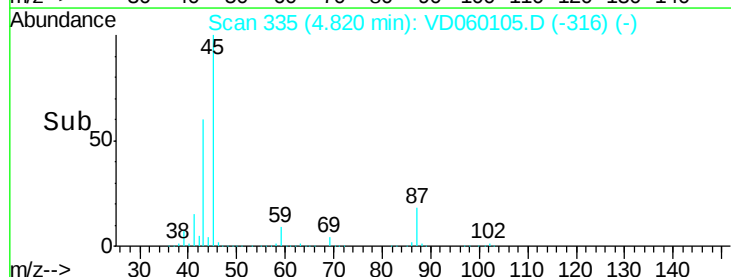
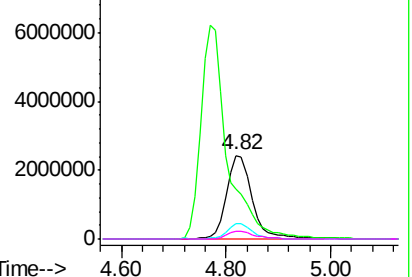
43 59.8 44.8 67.2

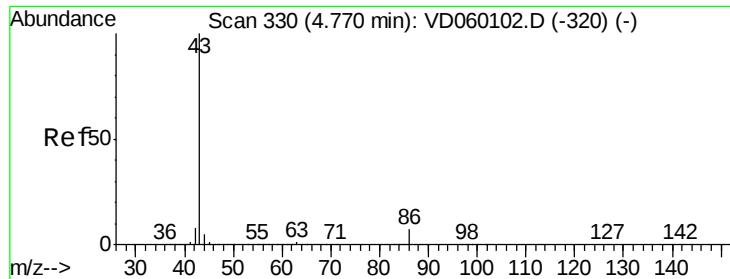
87 18.0 13.9 20.9

59 9.3 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: 623.308 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

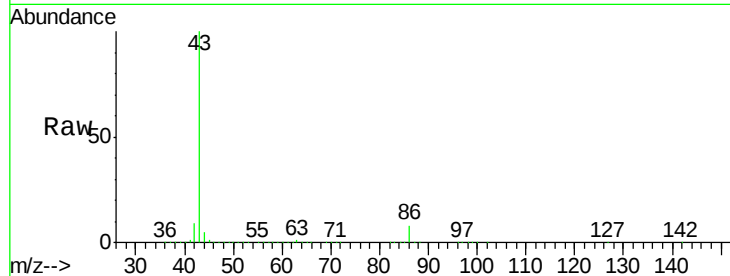
VSTDICC150

Tgt Ion: 43 Resp:21736005

Ion Ratio Lower Upper

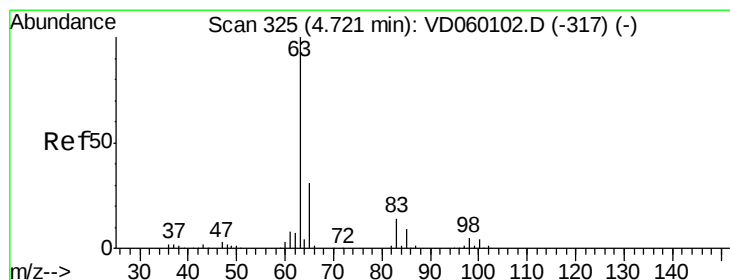
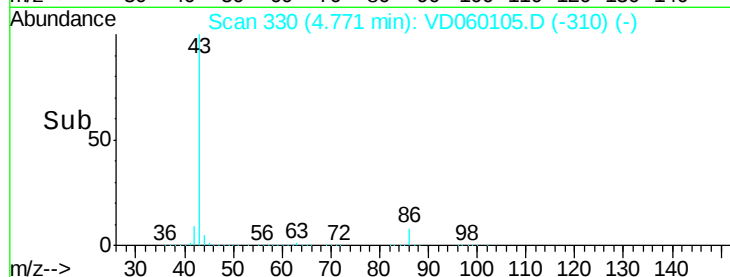
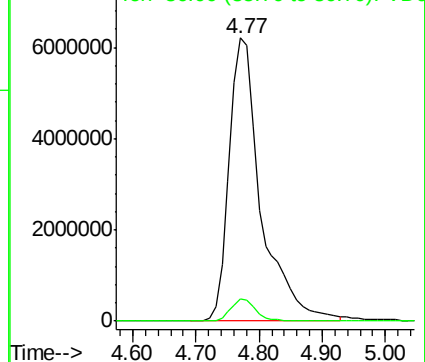
43 100

86 7.7 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 137.595 ug/l

RT: 4.72 min Scan# 325

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

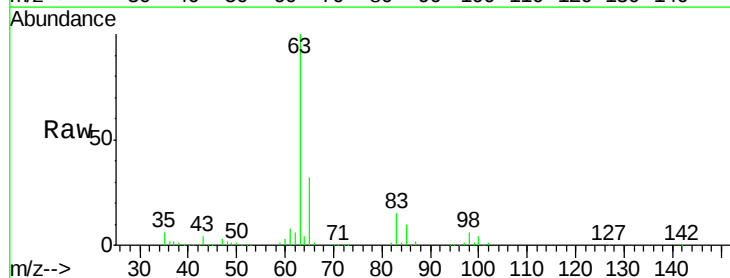
Tgt Ion: 63 Resp: 3817248

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

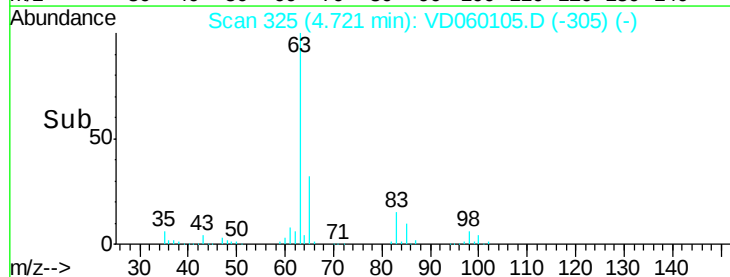
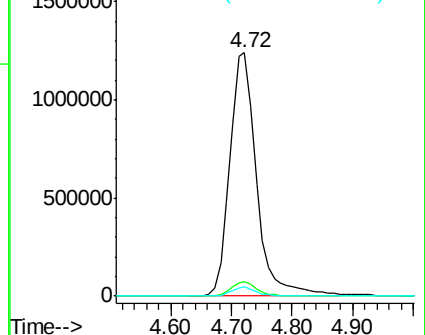
100 3.9 1.8 5.3

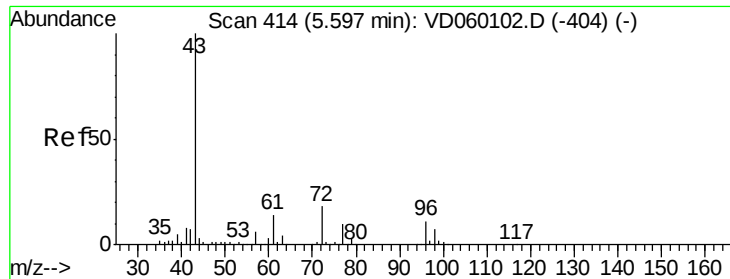


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 581.847 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

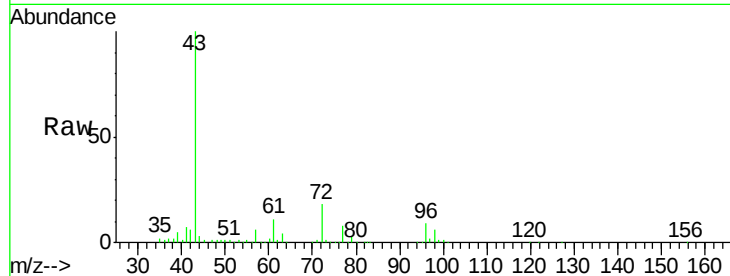
VSTDIC150

Tgt Ion: 43 Resp: 3672798

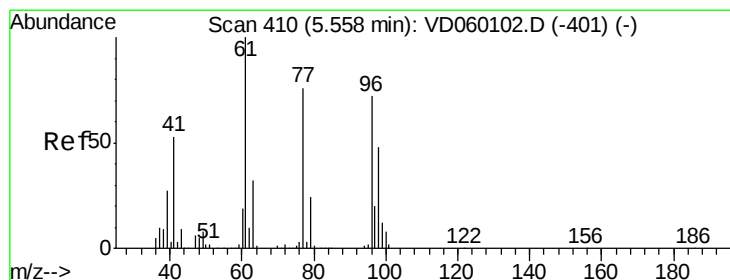
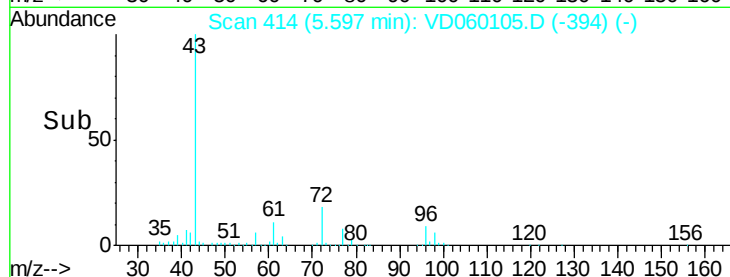
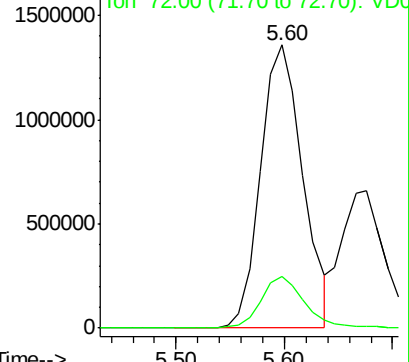
Ion Ratio Lower Upper

43 100

72 18.4 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 121.172 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060105.D

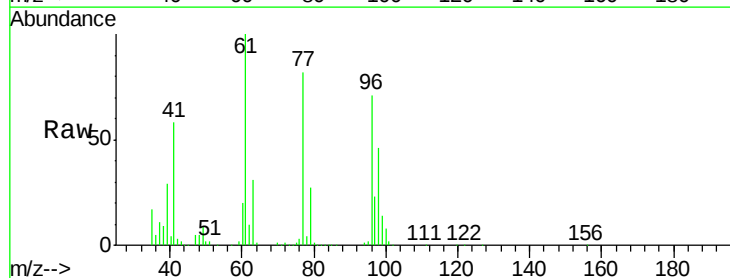
Acq: 1 Oct 2018 19:15

Tgt Ion: 77 Resp: 2601624

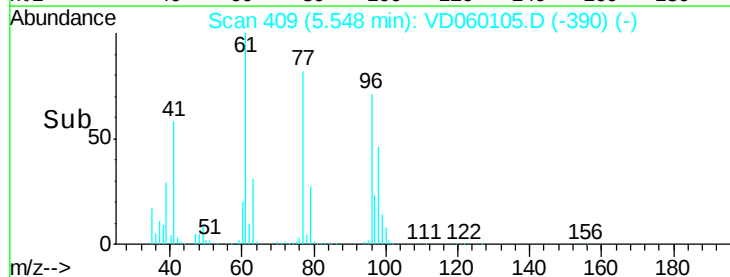
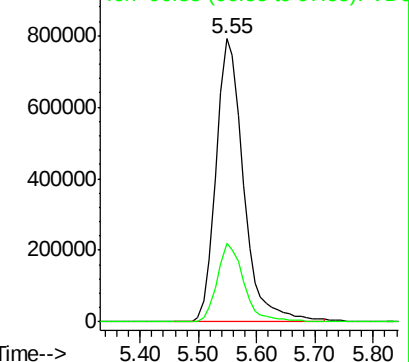
Ion Ratio Lower Upper

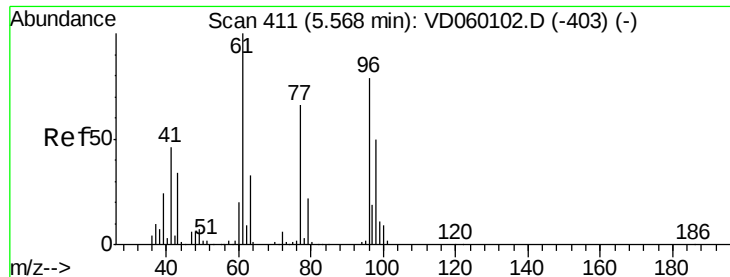
77 100

97 28.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC



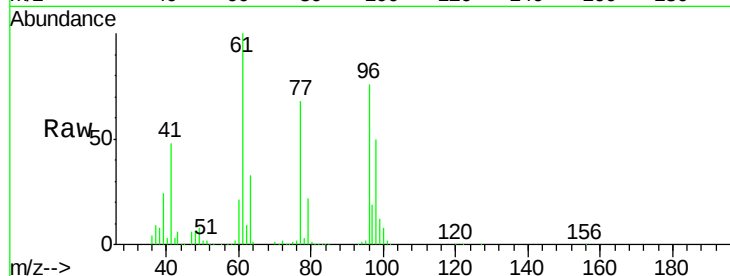


#27

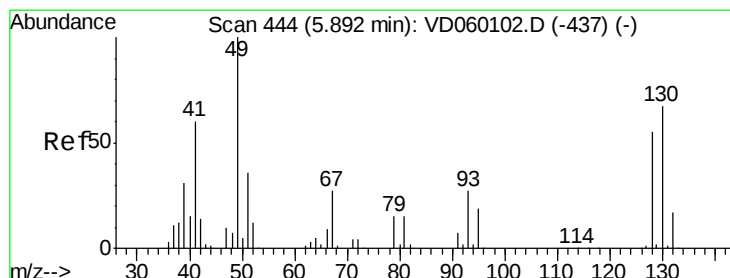
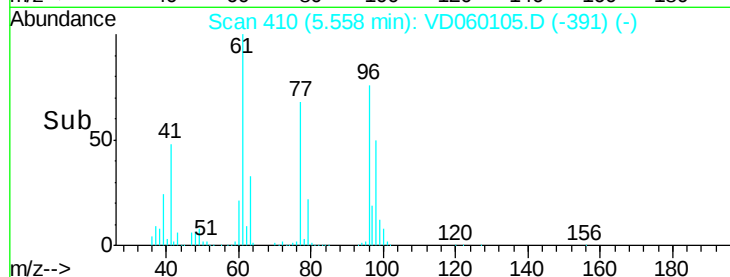
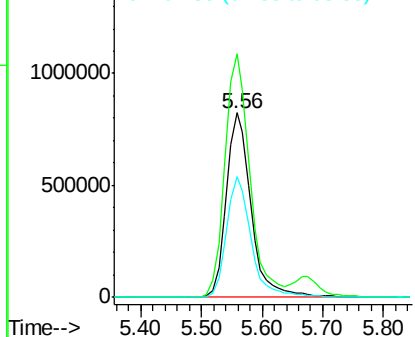
cis-1,2-Dichloroethene
Concen: 132.503 ug/l
RT: 5.56 min Scan# 410
Delta R.T. -0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 2341377
Ion Ratio Lower Upper
96 100
61 132.2 0.0 251.8
98 65.5 0.0 125.2



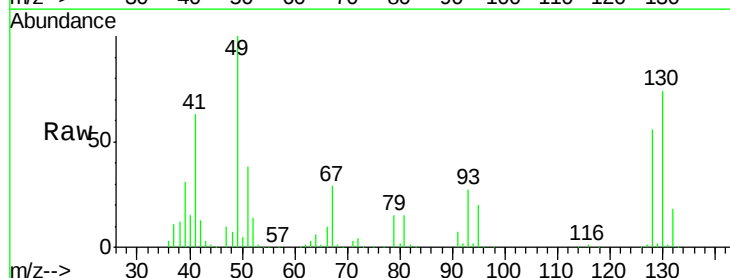
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



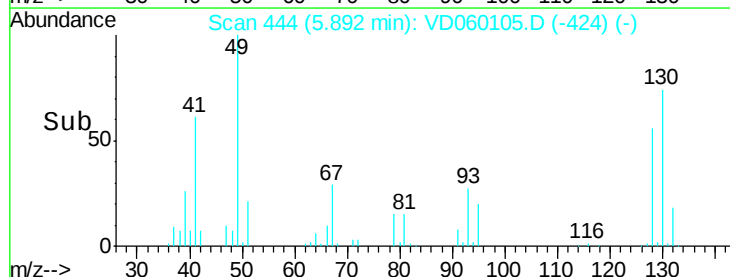
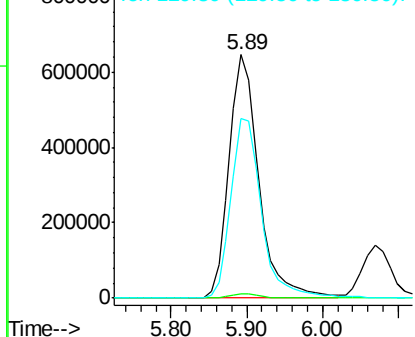
#28

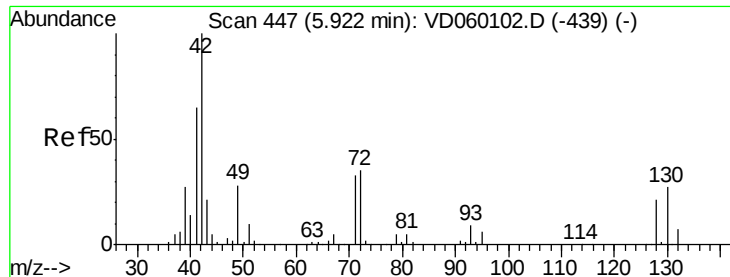
Bromochloromethane
Concen: 130.330 ug/l
RT: 5.89 min Scan# 444
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 49 Resp: 1757311
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.6
130 73.5 53.9 80.9



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

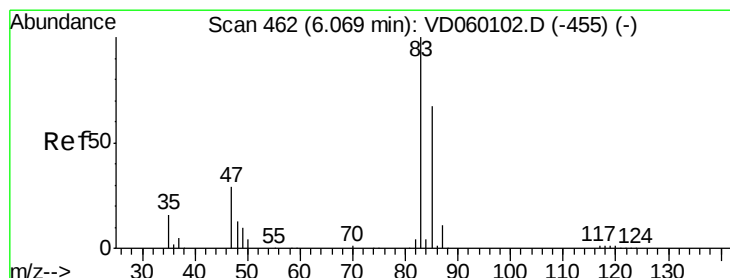
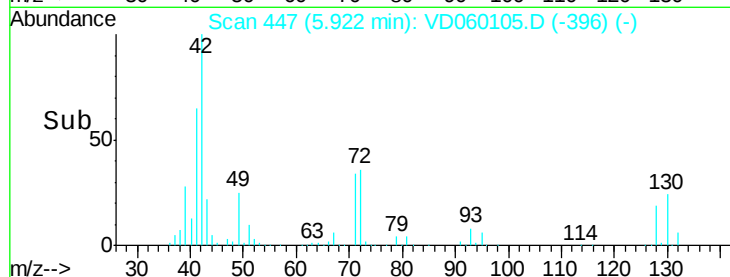
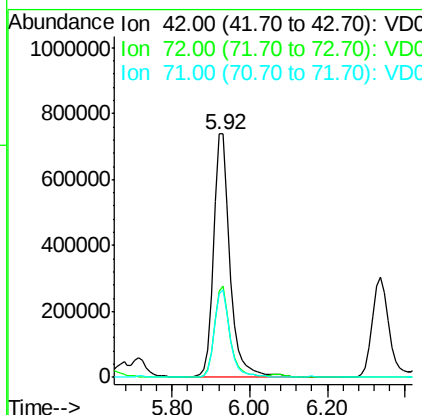
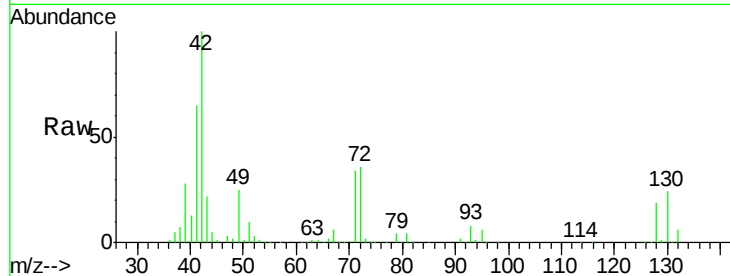




#29
Tetrahydrofuran
Concen: 637.037 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

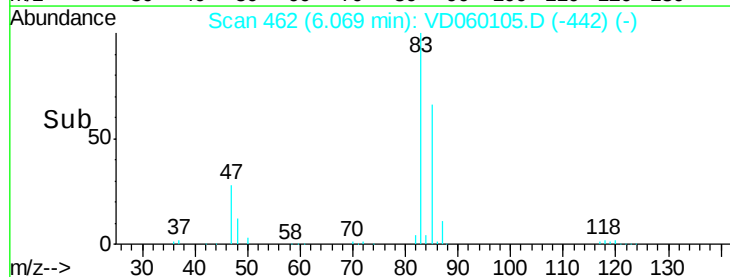
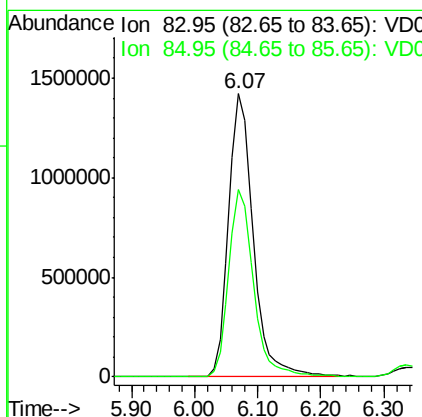
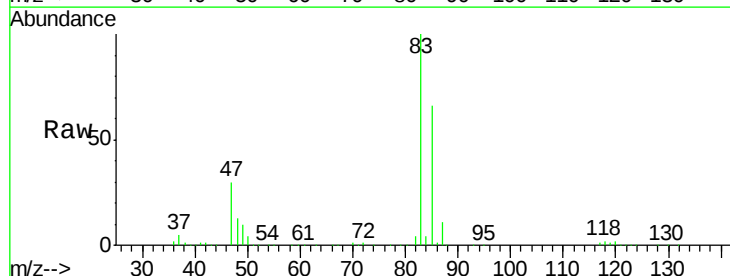
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

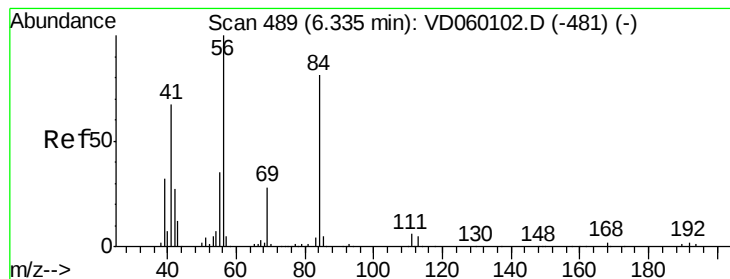
Tgt Ion: 42 Resp: 2156511
Ion Ratio Lower Upper
42 100
72 35.0 26.9 40.3
71 34.6 26.7 40.1



#30
Chloroform
Concen: 137.399 ug/l
RT: 6.07 min Scan# 462
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 83 Resp: 3849443
Ion Ratio Lower Upper
83 100
85 66.3 53.8 80.8





#31

Cyclohexane

Concen: 122.450 ug/l

RT: 6.34 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

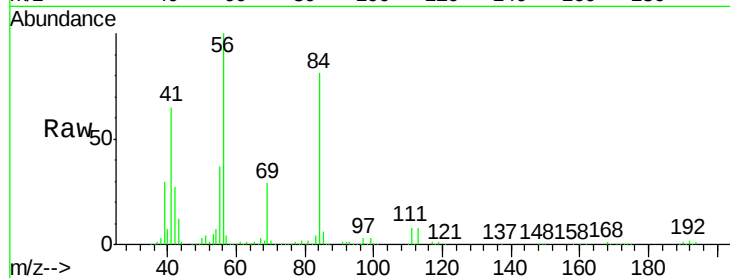
Tgt Ion: 56 Resp: 3288592

Ion Ratio Lower Upper

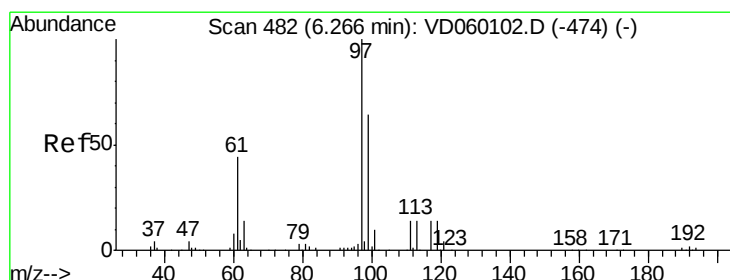
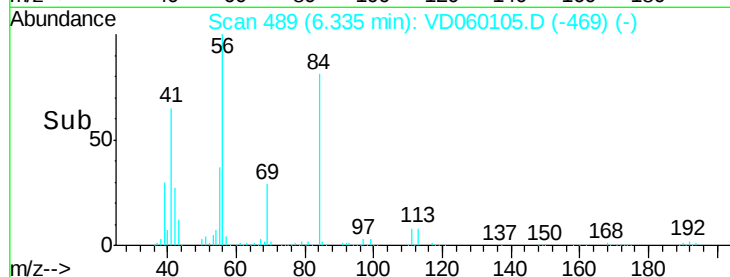
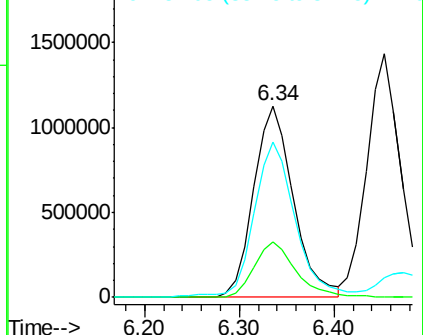
56 100

69 29.2 22.8 34.2

84 81.3 64.9 97.3



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: 136.213 ug/l

RT: 6.26 min Scan# 481

Delta R.T. -0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

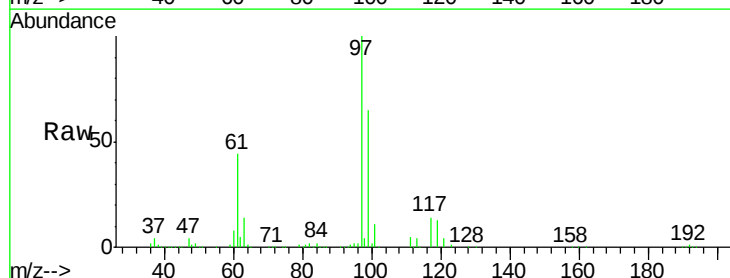
Tgt Ion: 97 Resp: 3154482

Ion Ratio Lower Upper

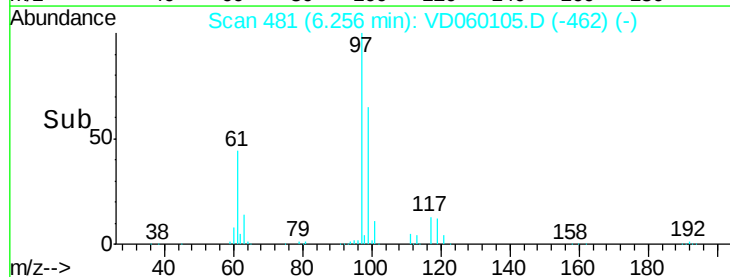
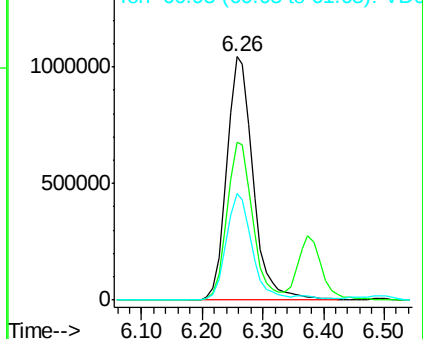
97 100

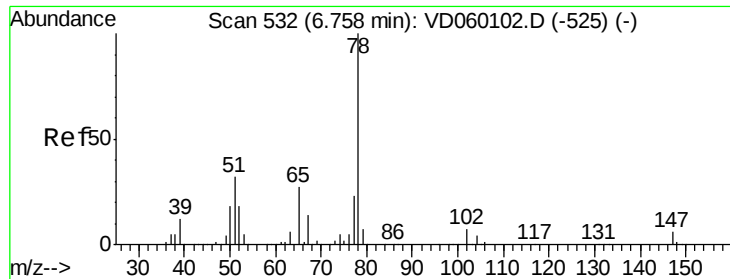
99 64.8 51.4 77.0

61 43.9 35.5 53.3



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

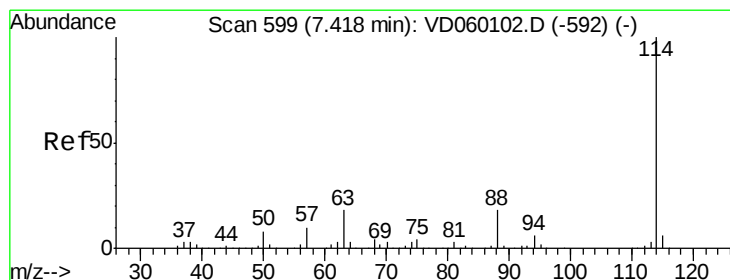
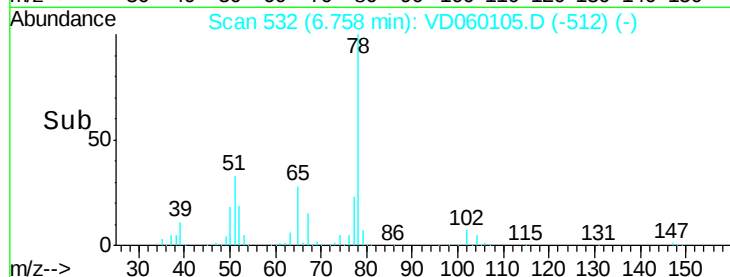
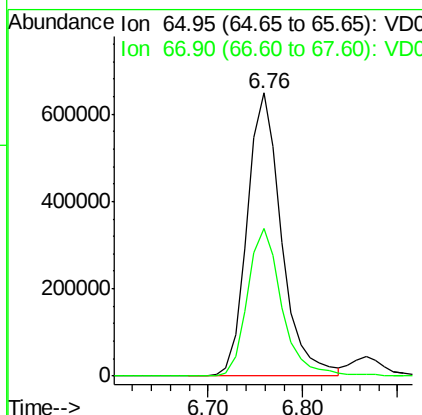
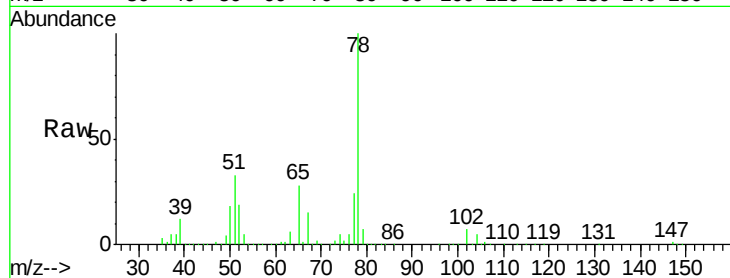




#33
 1,2-Dichloroethane-d4
 Concen: 136.213 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

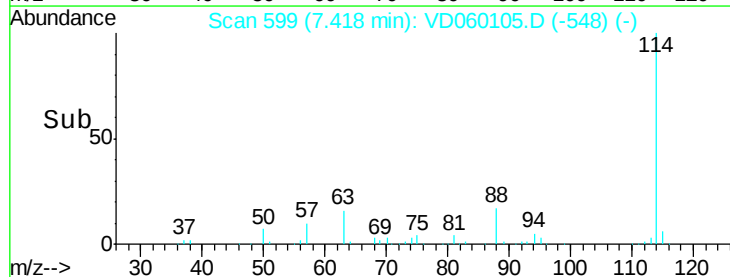
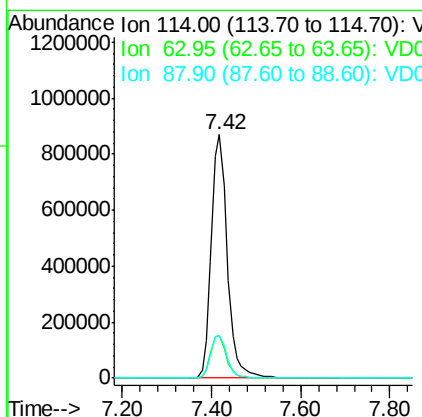
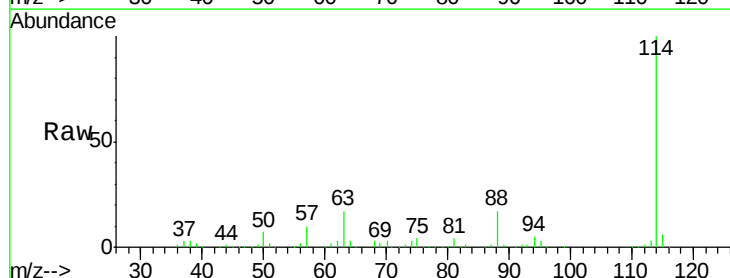
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

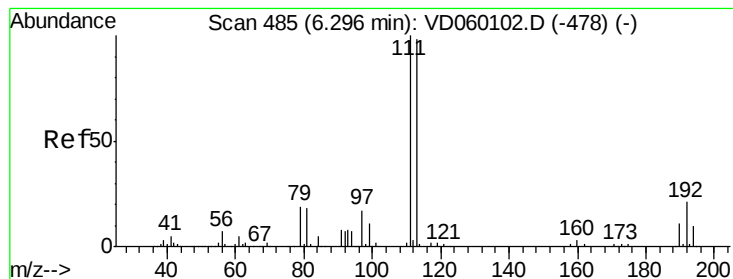
Tgt Ion: 65 Resp: 1630912
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Tgt Ion: 114 Resp: 2160119
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.0
 88 17.5 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 485

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

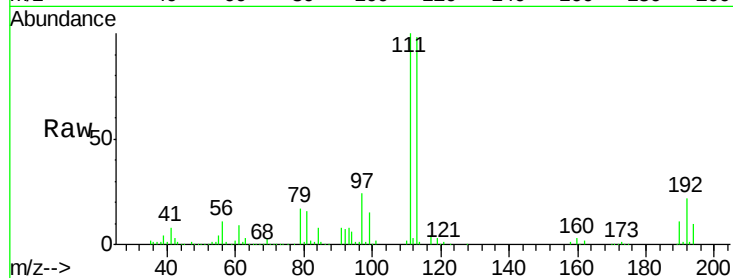
Tgt Ion:113 Resp: 2370491

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

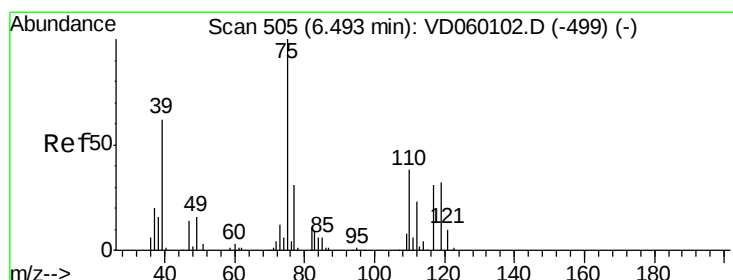
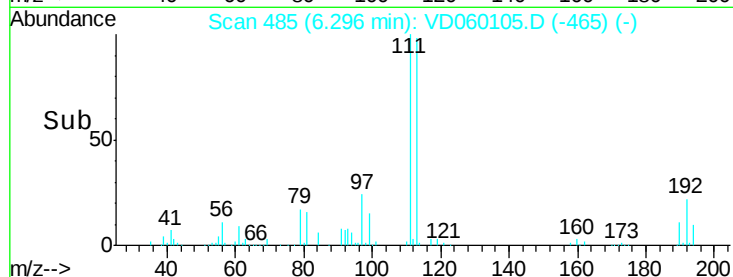
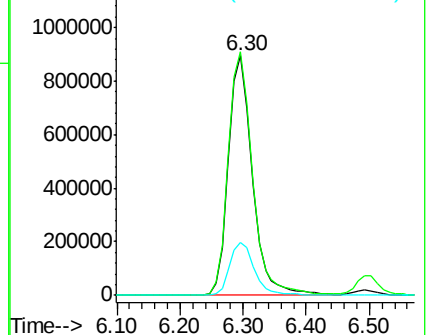
192 22.3 17.4 26.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 124.847 ug/l

RT: 6.49 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

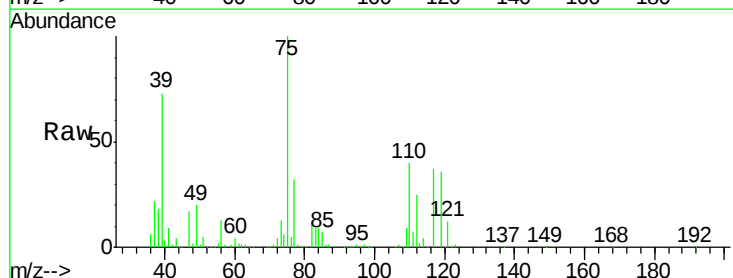
Tgt Ion: 75 Resp: 2638592

Ion Ratio Lower Upper

75 100

110 39.9 19.0 57.0

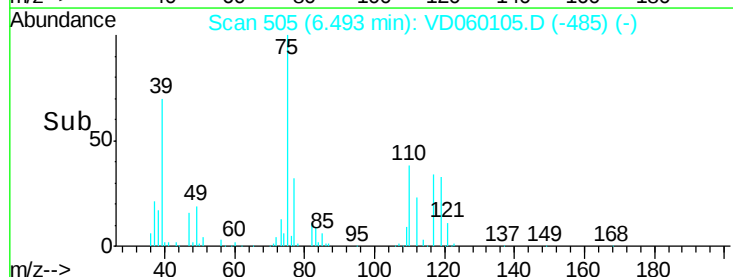
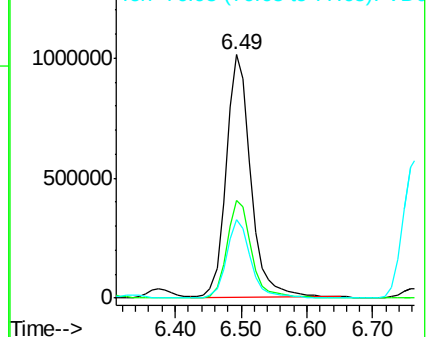
77 32.2 24.9 37.3

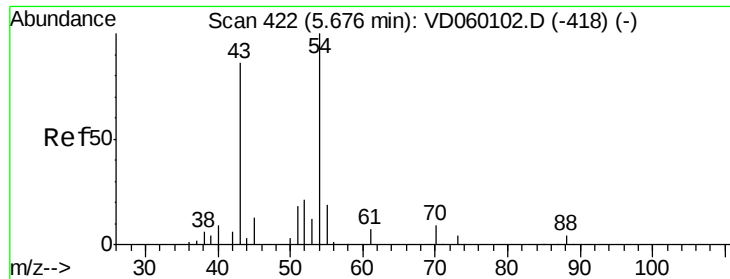


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

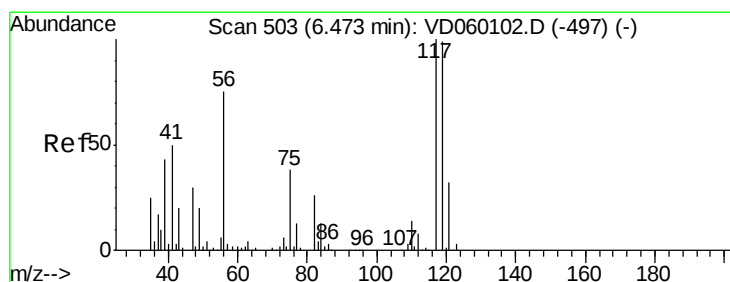
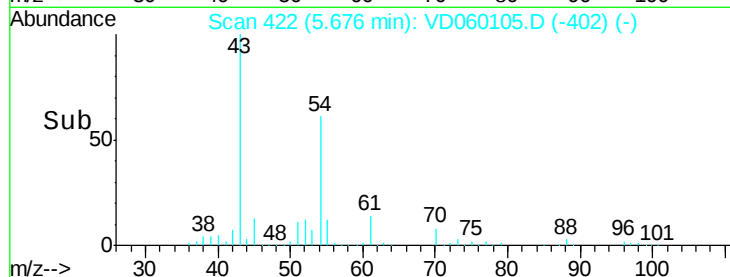
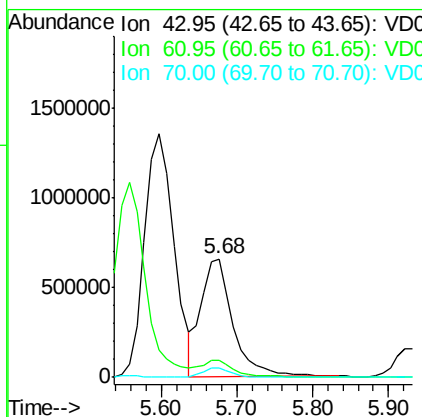
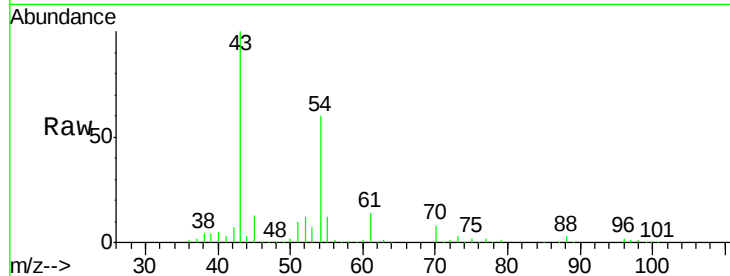




#37
Ethyl Acetate
Concen: 131.706 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

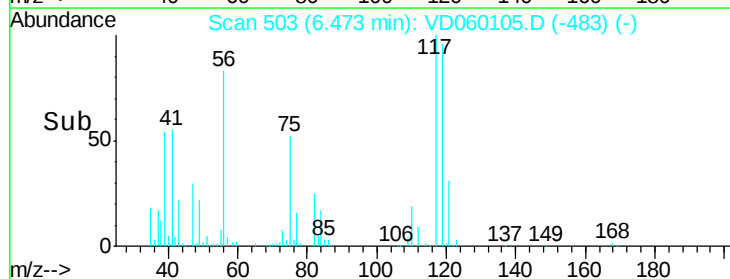
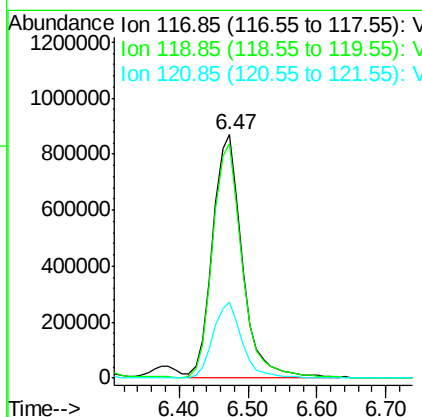
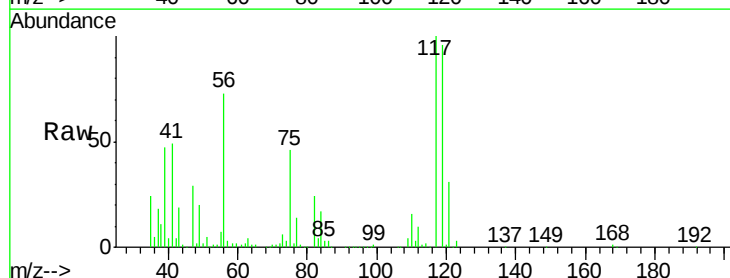
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

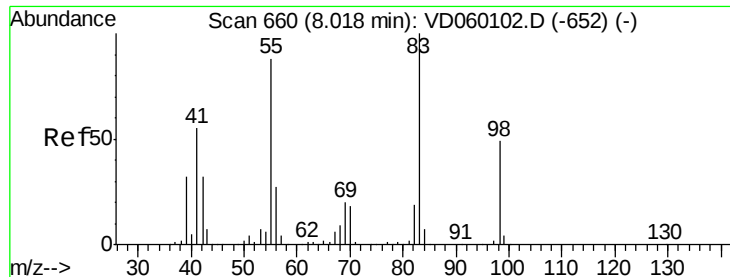
Tgt Ion: 43 Resp: 1922010
Ion Ratio Lower Upper
43 100
61 14.3 10.5 15.7
70 8.0 6.3 9.5



#38
Carbon Tetrachloride
Concen: 130.284 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 117 Resp: 2556978
Ion Ratio Lower Upper
117 100
119 96.5 77.8 116.6
121 31.4 24.8 37.2

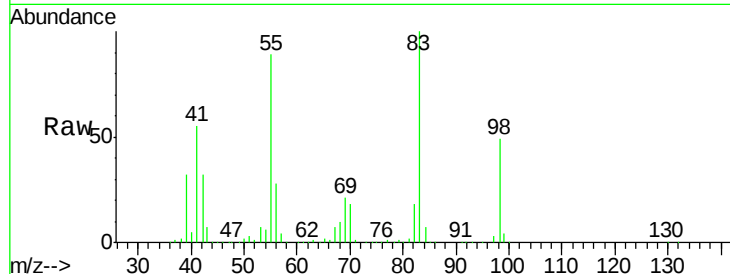




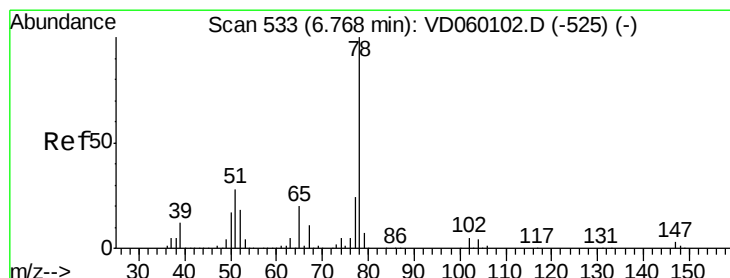
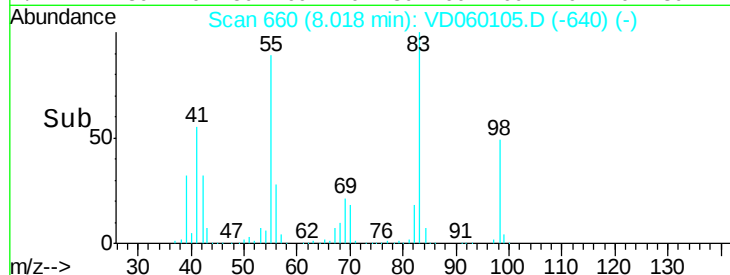
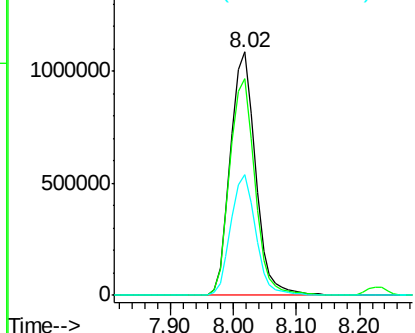
#39
Methylcyclohexane
Concen: 124.978 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 2996825
Ion Ratio Lower Upper
83 100
55 89.0 70.5 105.7
98 49.5 39.4 59.2

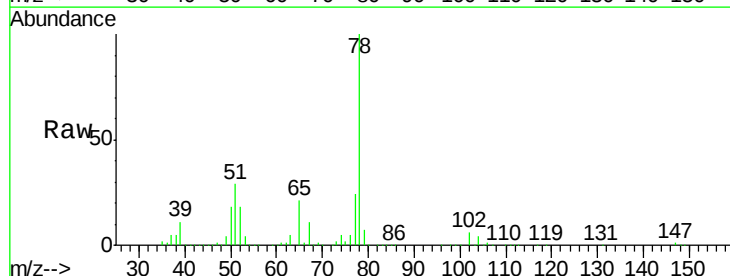


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

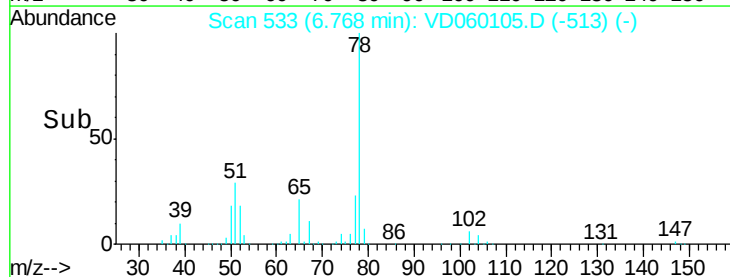
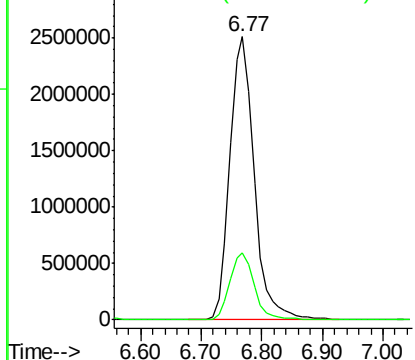


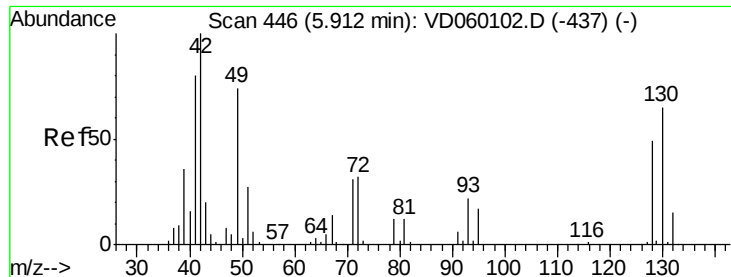
#40
Benzene
Concen: 130.525 ug/l
RT: 6.77 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 78 Resp: 7039999
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 276.061 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 2143515

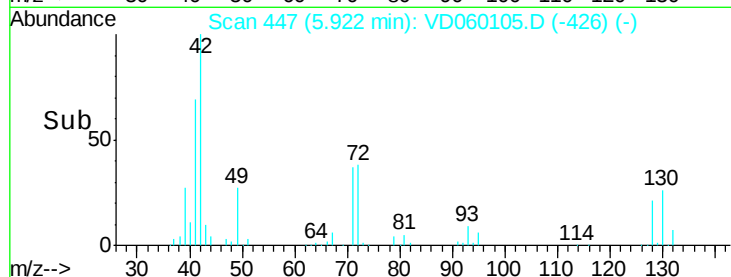
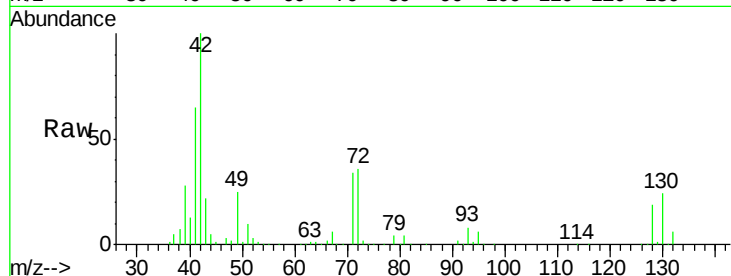
Ion Ratio Lower Upper

41 100

39 42.6 36.0 54.0

67 8.7 13.9 20.9#

52 4.1 6.1 9.1#

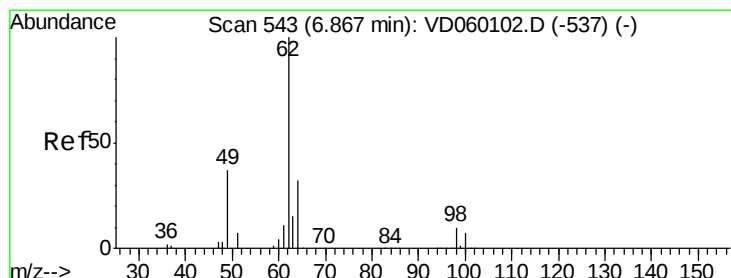
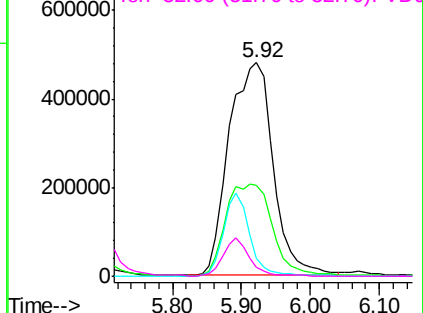


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 136.179 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060105.D

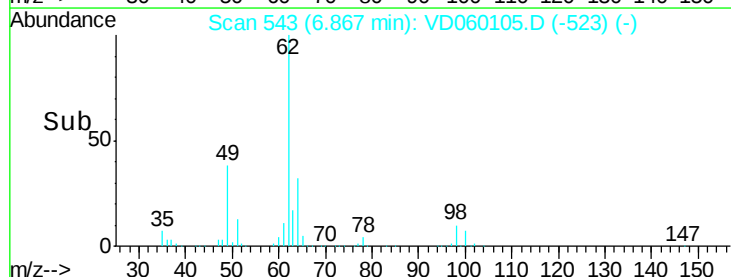
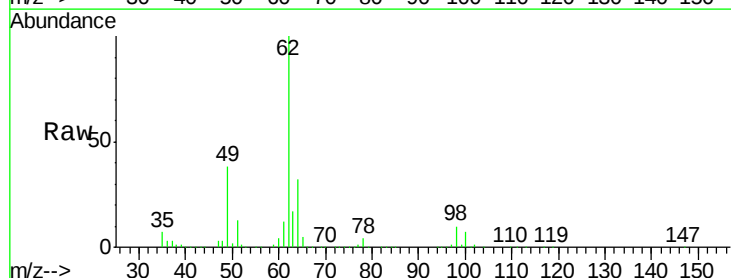
Acq: 1 Oct 2018 19:15

Tgt Ion: 62 Resp: 2202894

Ion Ratio Lower Upper

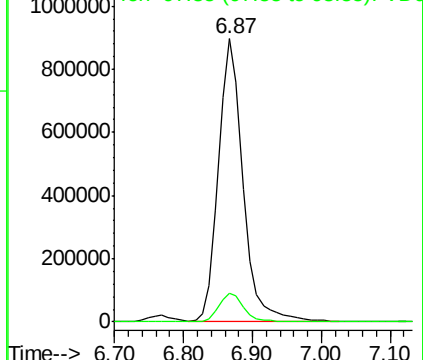
62 100

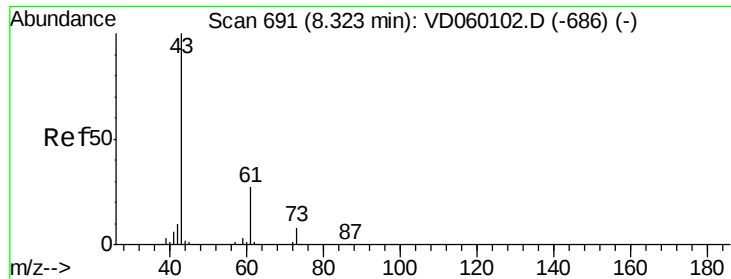
98 10.4 0.0 20.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 139.482 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

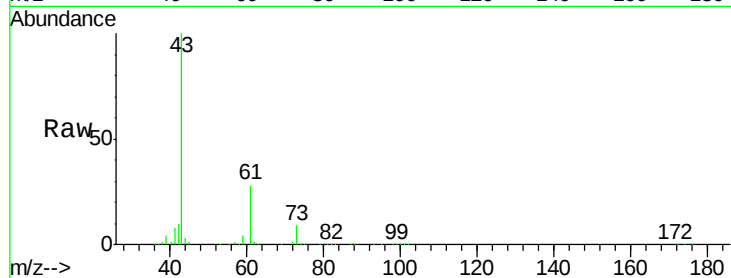
Tgt Ion: 43 Resp: 2697163

Ion Ratio Lower Upper

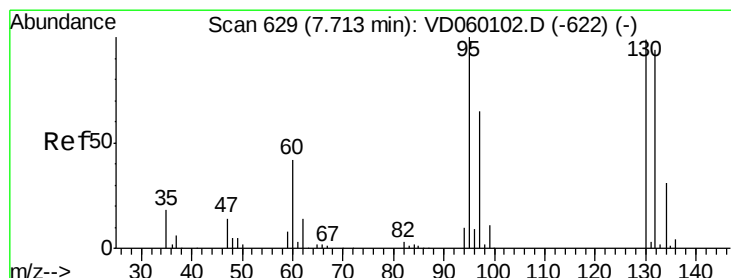
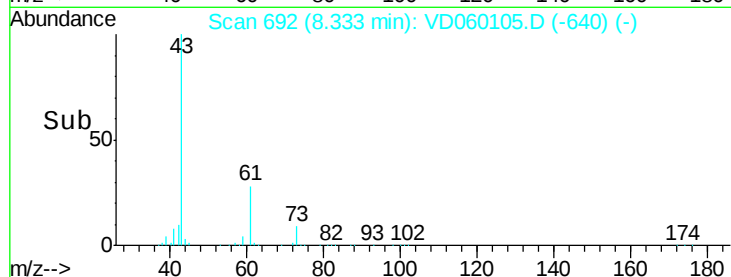
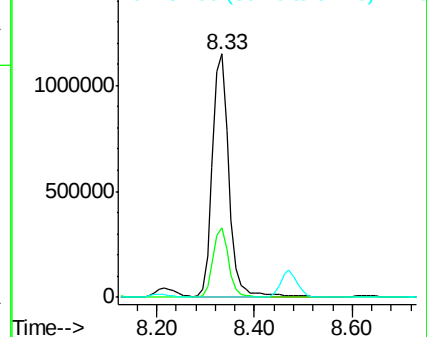
43 100

61 28.4 21.4 32.2

87 0.2 0.2 0.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 138.915 ug/l

RT: 7.71 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060105.D

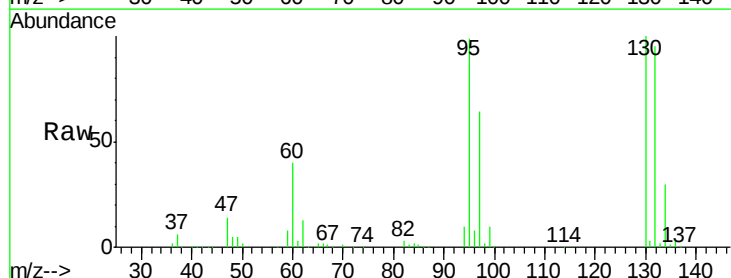
Acq: 1 Oct 2018 19:15

Tgt Ion:130 Resp: 2327139

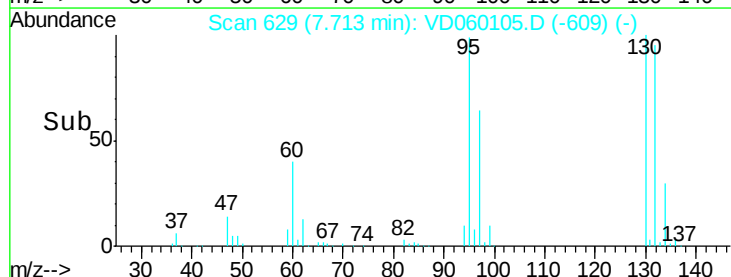
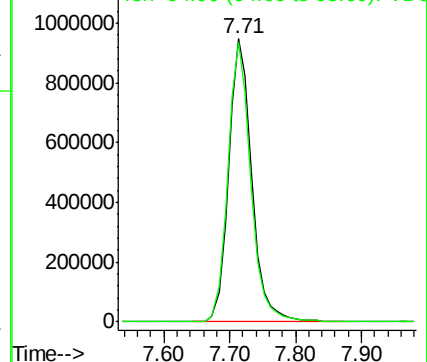
Ion Ratio Lower Upper

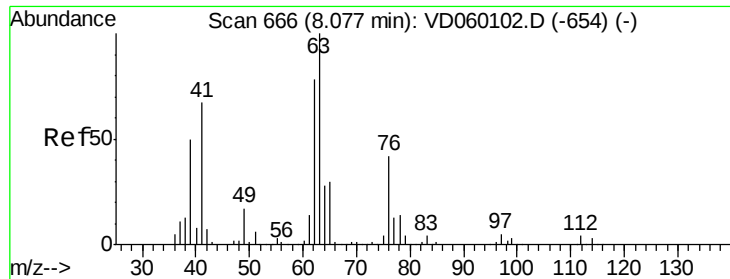
130 100

95 98.9 0.0 202.2



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





#45

1,2-Dichloropropane

Concen: 137.274 ug/l

RT: 8.08 min Scan# 666

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

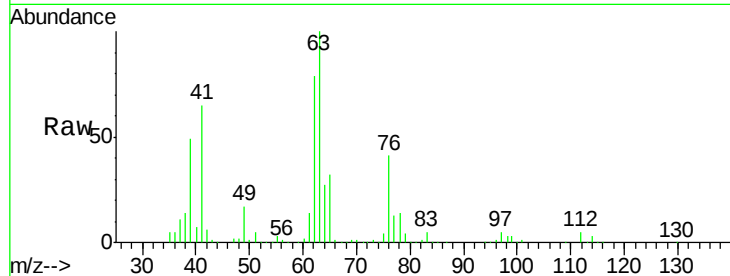
VSTDIC150

Tgt Ion: 63 Resp: 1981854

Ion Ratio Lower Upper

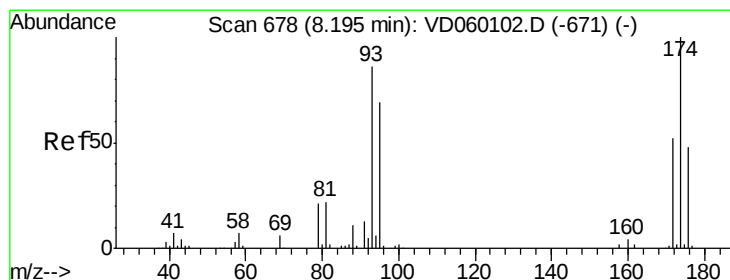
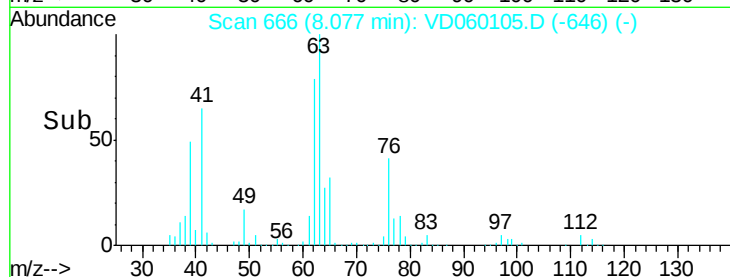
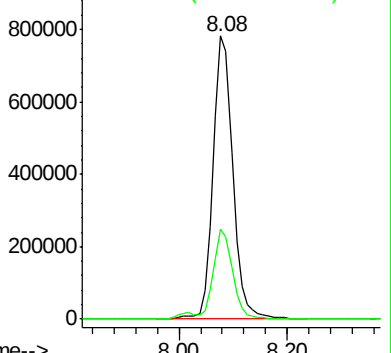
63 100

65 32.0 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 142.705 ug/l

RT: 8.20 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

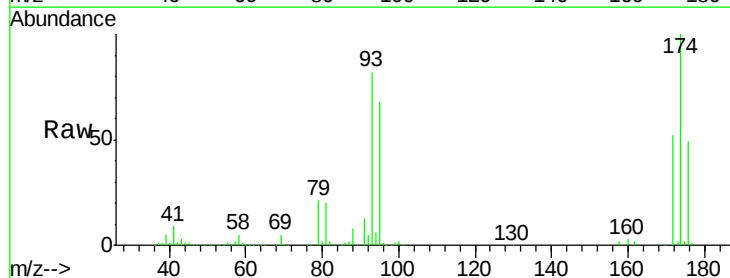
Tgt Ion: 93 Resp: 1339153

Ion Ratio Lower Upper

93 100

95 83.2 63.8 95.6

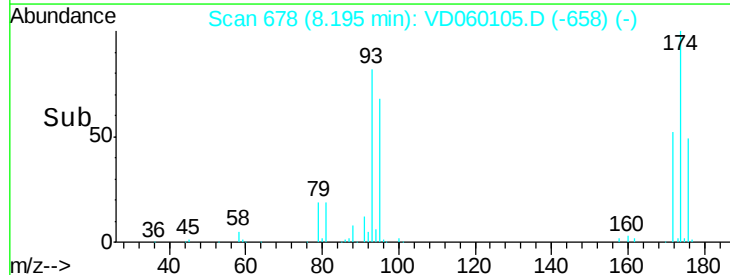
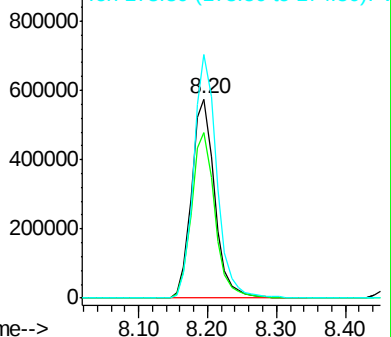
174 122.4 92.9 139.3

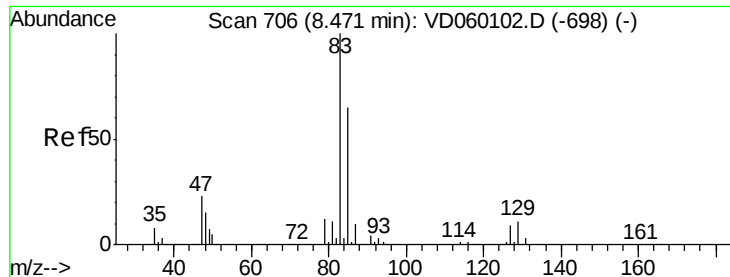


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 141.840 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

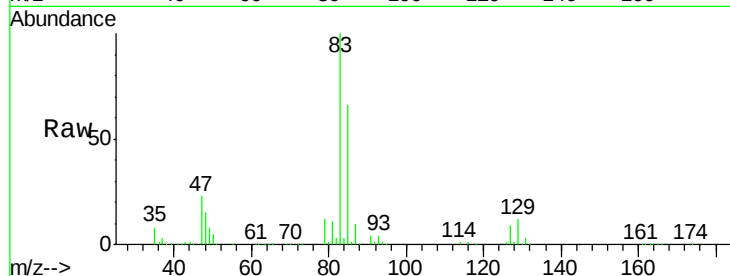
Tgt Ion: 83 Resp: 2877383

Ion Ratio Lower Upper

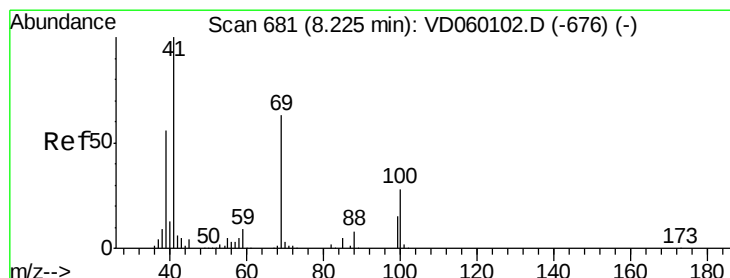
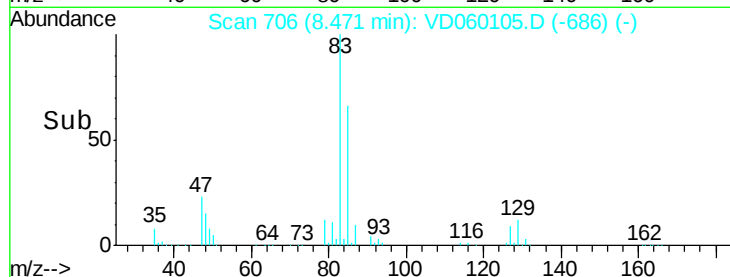
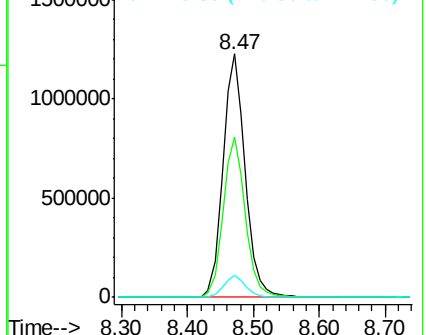
83 100

85 65.7 52.2 78.2

127 9.2 7.4 11.0



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



#48

Methyl methacrylate

Concen: 137.208 ug/l

RT: 8.22 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

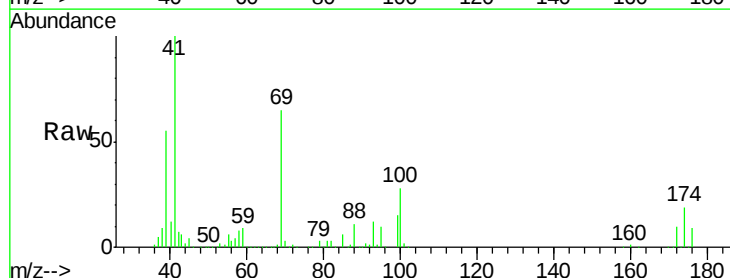
Tgt Ion: 41 Resp: 1479123

Ion Ratio Lower Upper

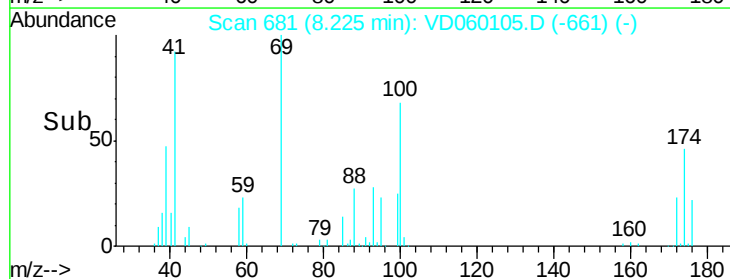
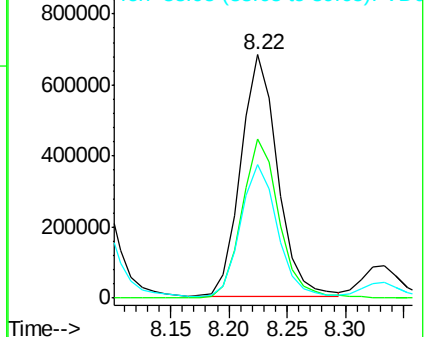
41 100

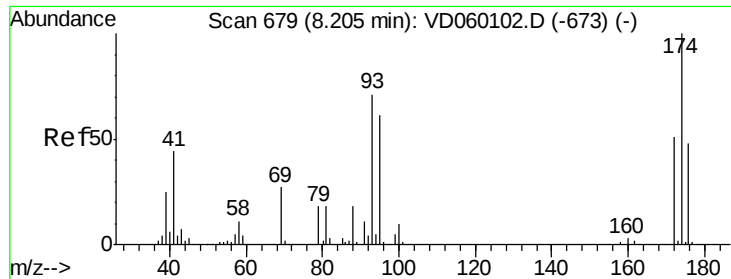
69 65.3 49.7 74.5

39 55.0 45.2 67.8



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

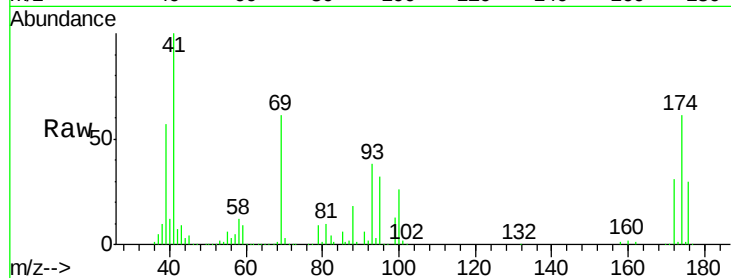




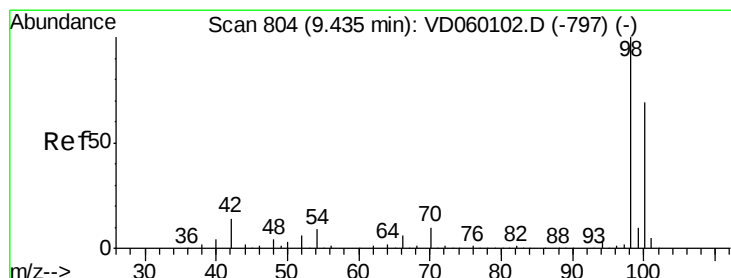
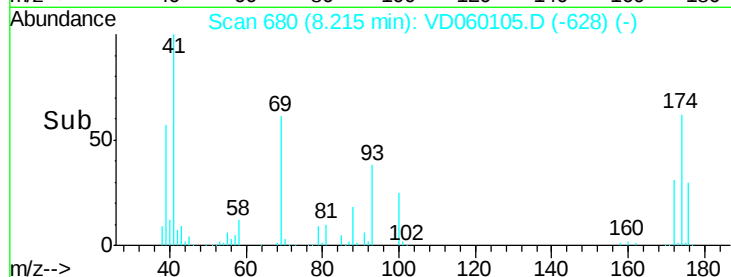
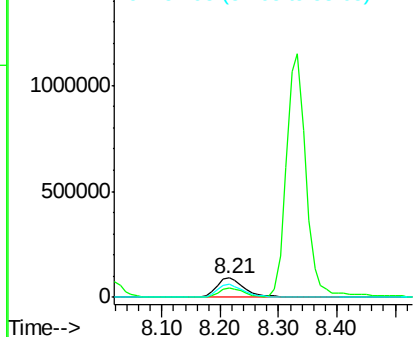
#49
 1,4-Dioxane
 Concen: 2803.053 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 88 Resp: 300706
 Ion Ratio Lower Upper
 88 100
 43 50.0 33.7 50.5
 58 68.3 49.1 73.7

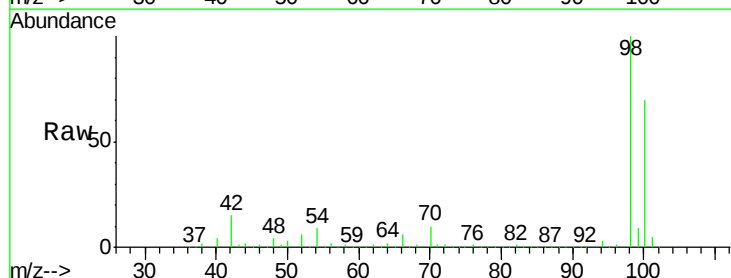


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

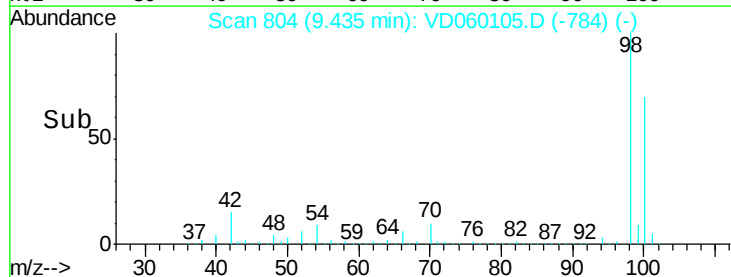
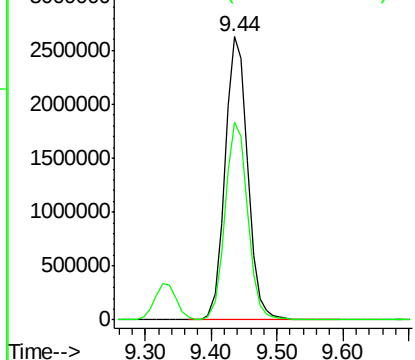


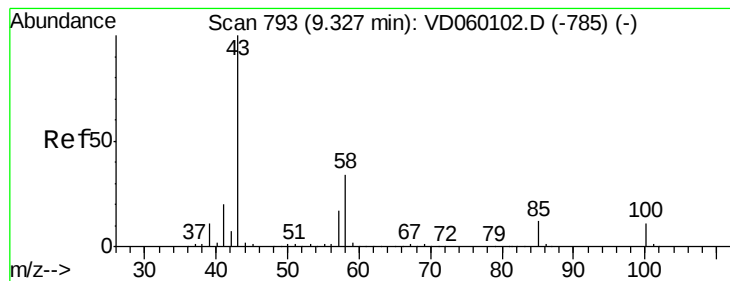
#50
 Toluene-d8
 Concen: 2803.053 ug/l
 RT: 9.44 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Tgt Ion: 98 Resp: 6310695
 Ion Ratio Lower Upper
 98 100
 100 70.0 55.4 83.0



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: 546.418 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

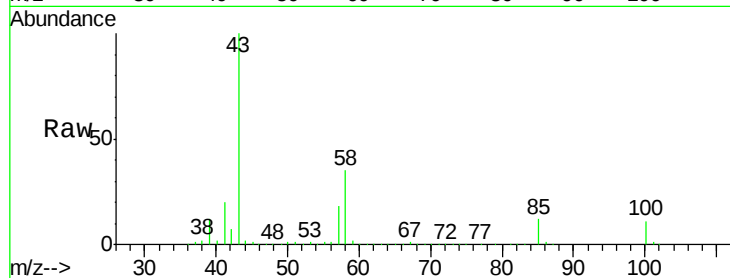
VSTDIC150

Tgt Ion: 43 Resp: 7248512

Ion Ratio Lower Upper

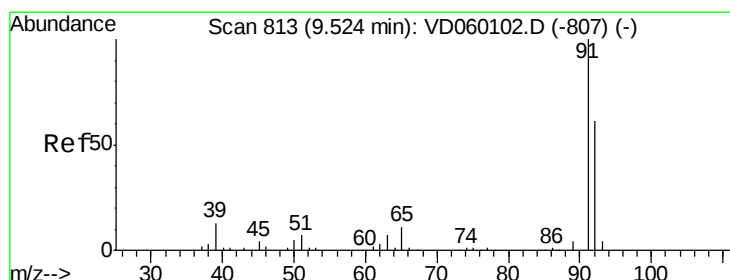
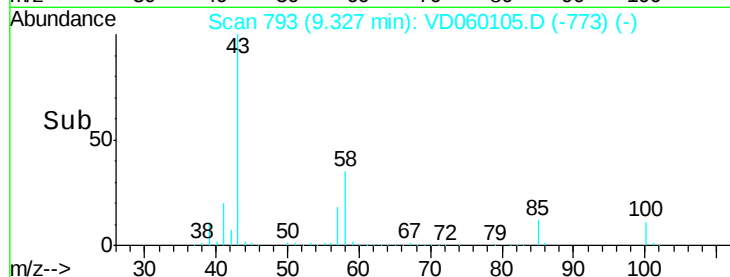
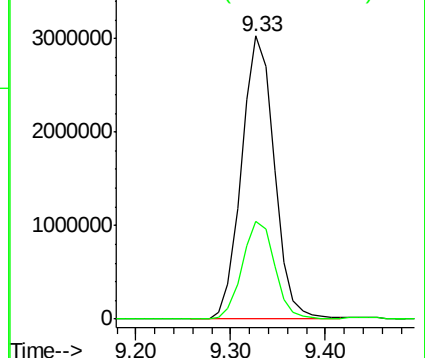
43 100

58 34.5 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 130.385 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060105.D

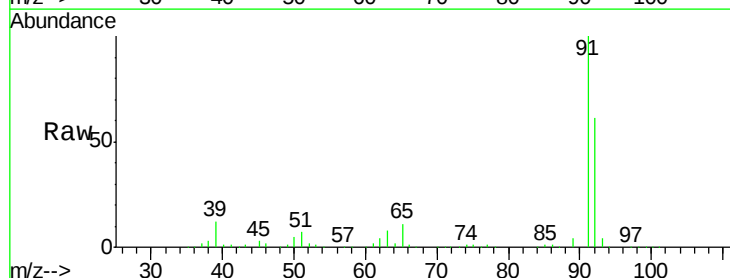
Acq: 1 Oct 2018 19:15

Tgt Ion: 92 Resp: 4538831

Ion Ratio Lower Upper

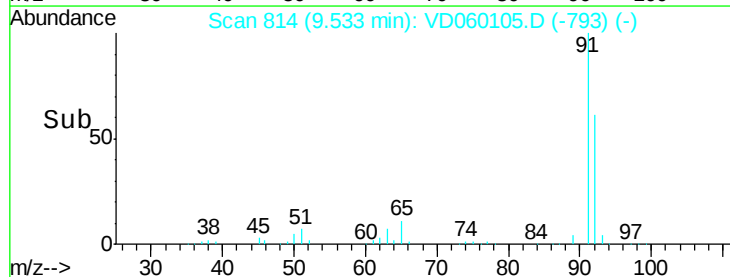
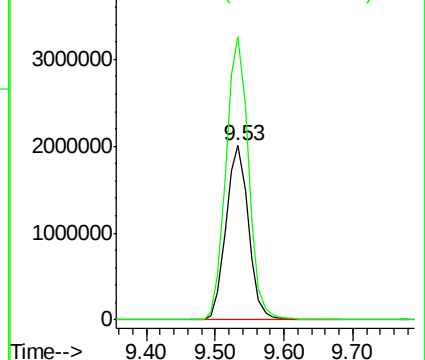
92 100

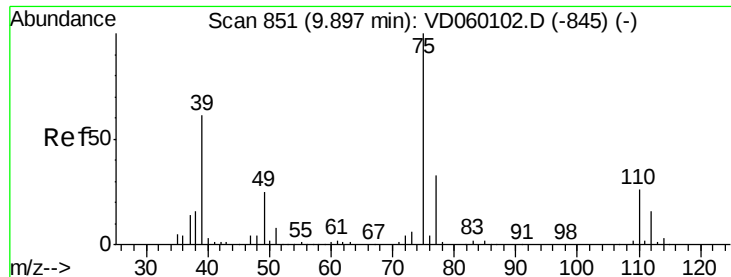
91 162.7 131.9 197.9



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: 137.837 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

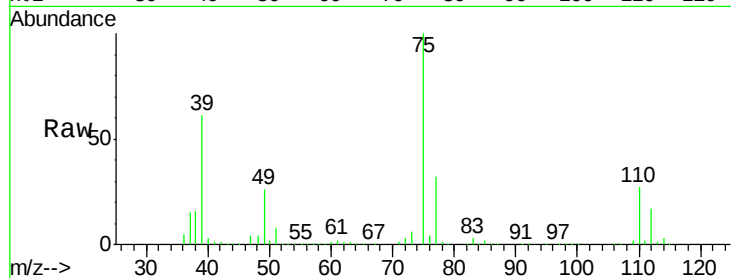
VSTDIC150

Tgt Ion: 75 Resp: 2611290

Ion Ratio Lower Upper

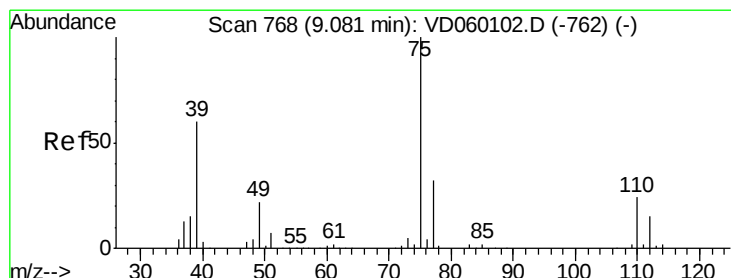
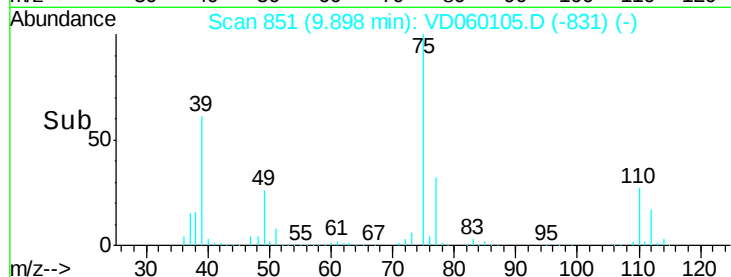
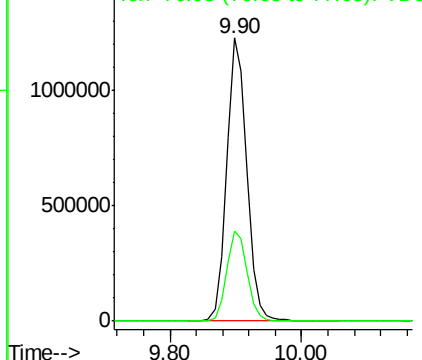
75 100

77 32.0 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 136.454 ug/l

RT: 9.08 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

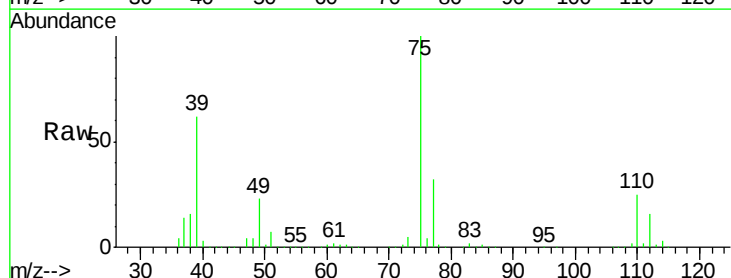
Tgt Ion: 75 Resp: 3084476

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5

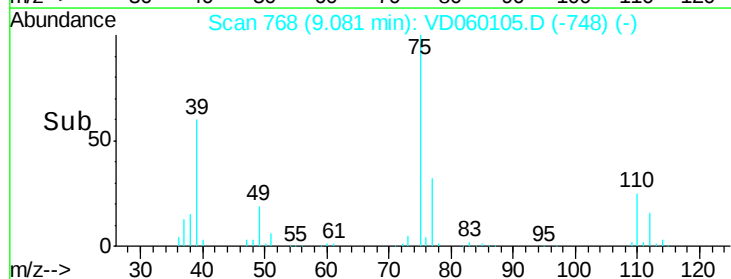
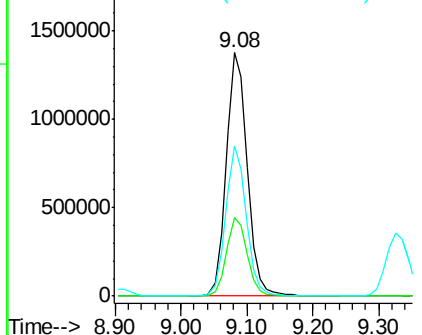
39 61.5 48.2 72.4

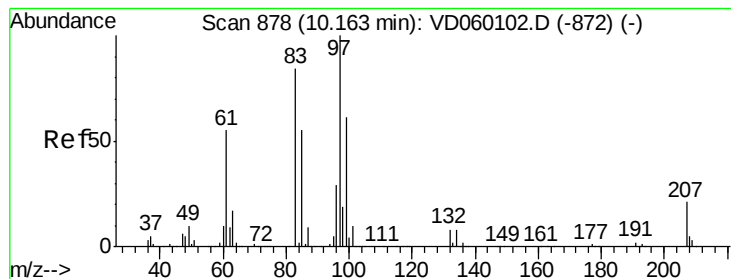


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 133.211 ug/l

RT: 10.16 min Scan# 878

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 1608308

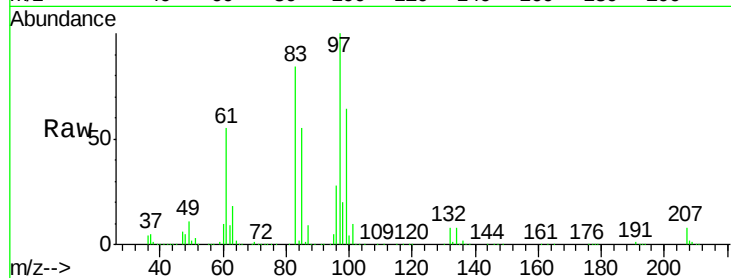
Ion Ratio Lower Upper

97 100

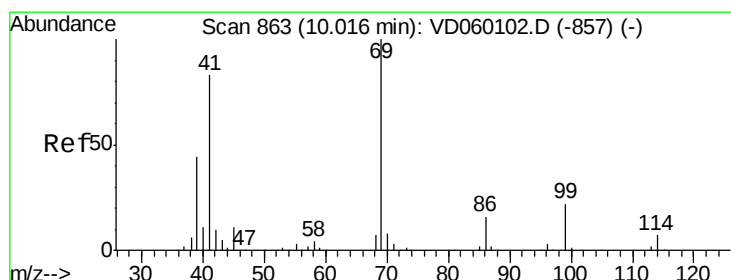
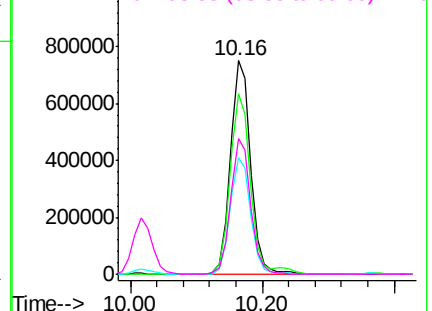
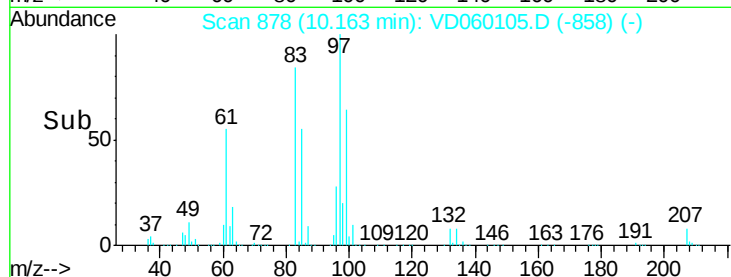
83 84.4 67.0 100.6

85 54.8 43.9 65.9

99 63.7 49.1 73.7



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: 140.206 ug/l

RT: 10.02 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

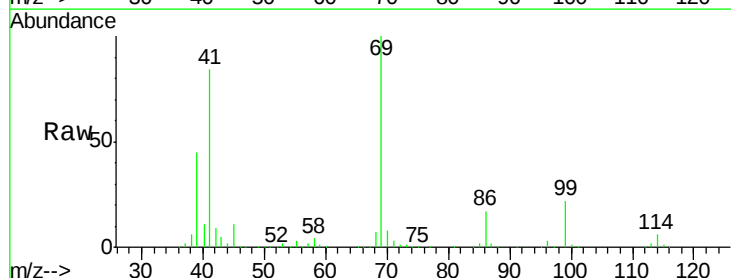
Tgt Ion: 69 Resp: 1865959

Ion Ratio Lower Upper

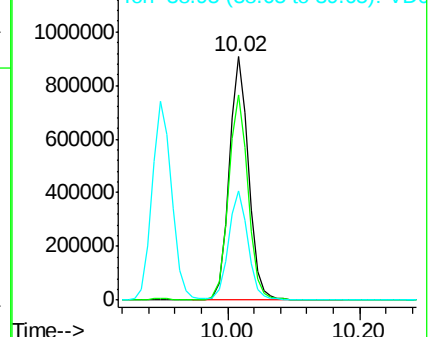
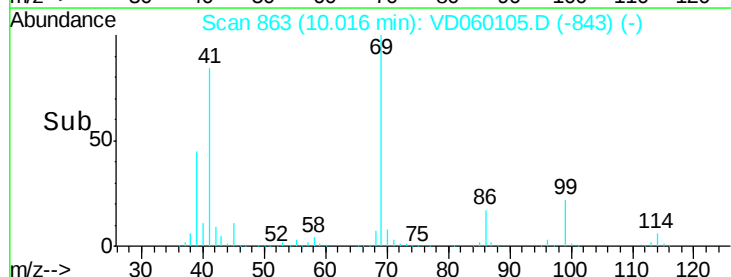
69 100

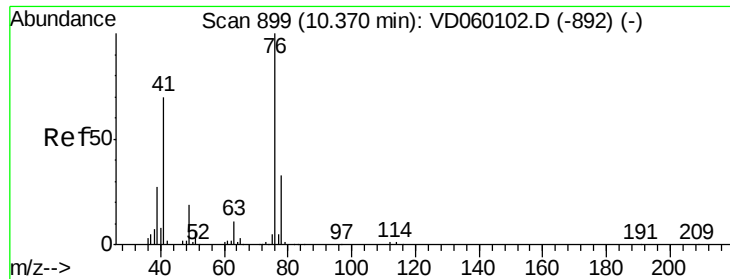
41 84.0 66.6 100.0

39 44.6 36.0 54.0



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

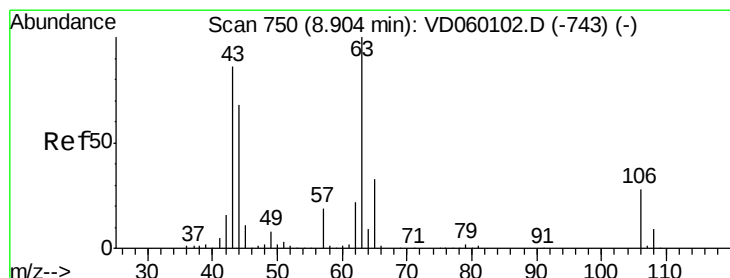
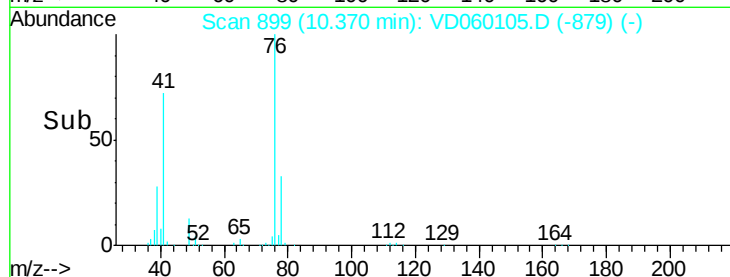
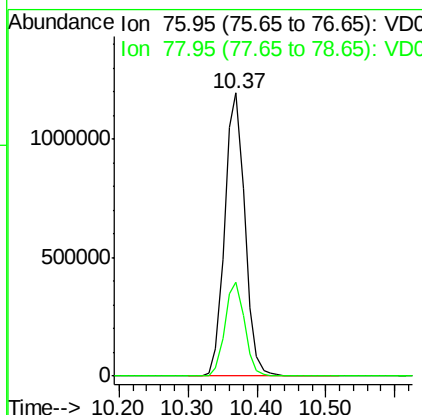
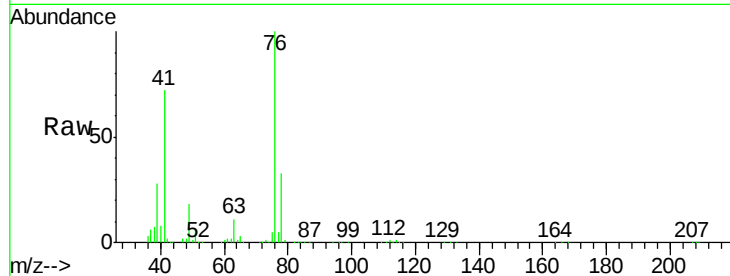




#57
 1,3-Dichloropropane
 Concen: 135.848 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

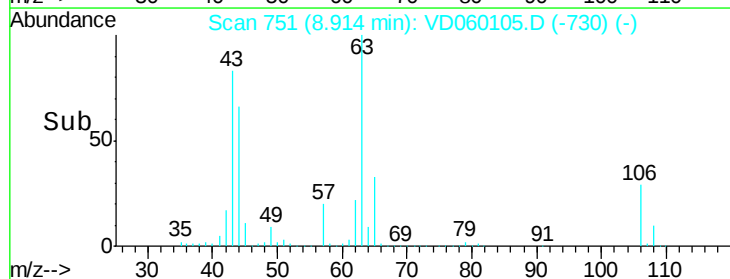
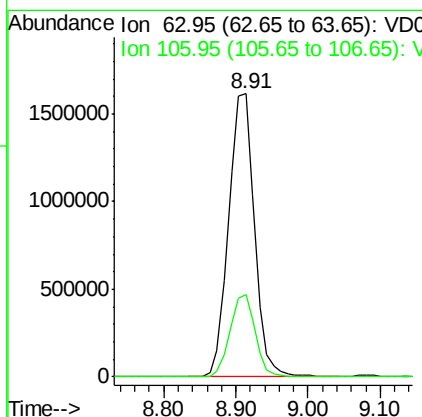
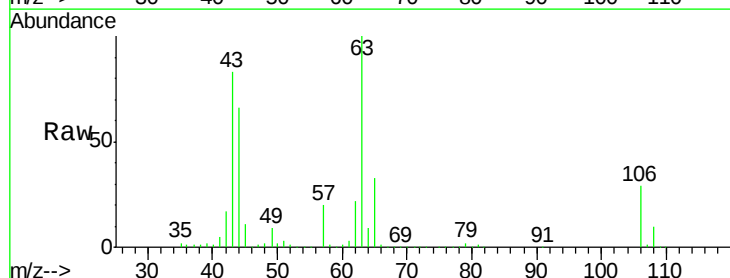
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

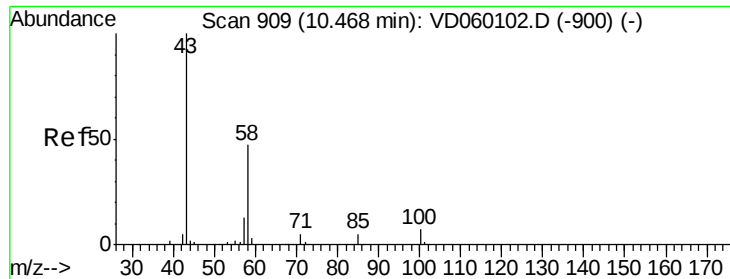
Tgt Ion: 76 Resp: 2415496
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 613.834 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Tgt Ion: 63 Resp: 4028433
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.6 34.0

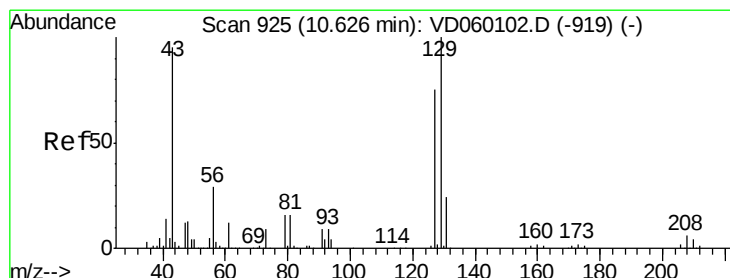
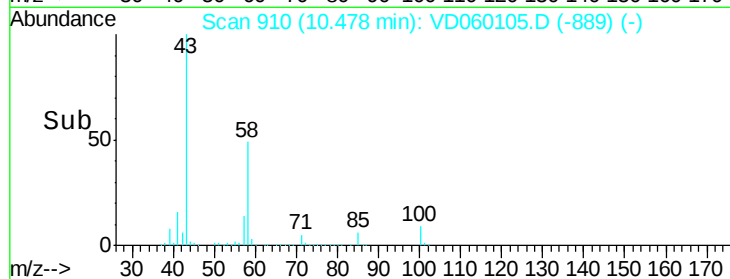
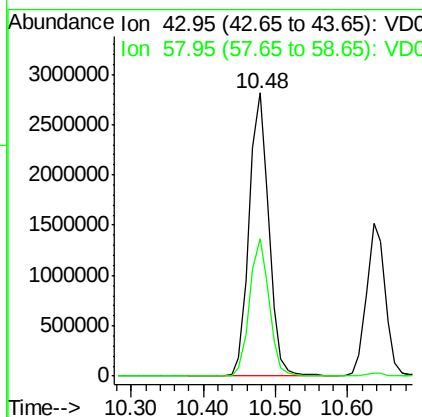
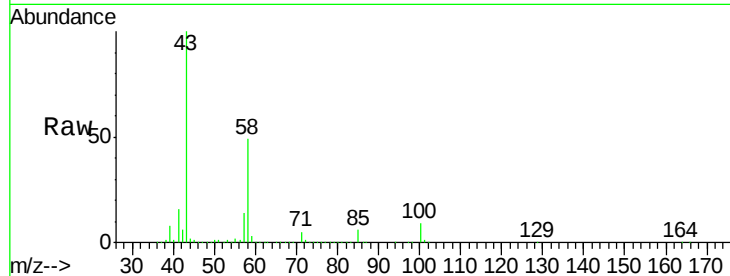




#59
2-Hexanone
Concen: 564.145 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

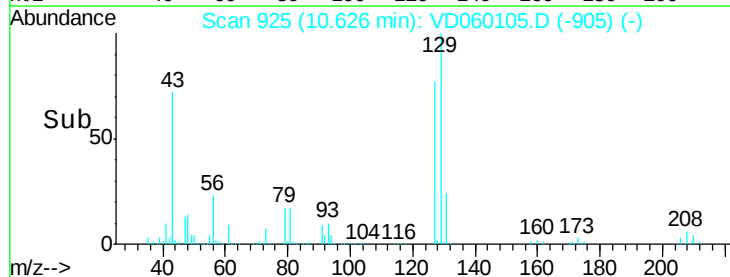
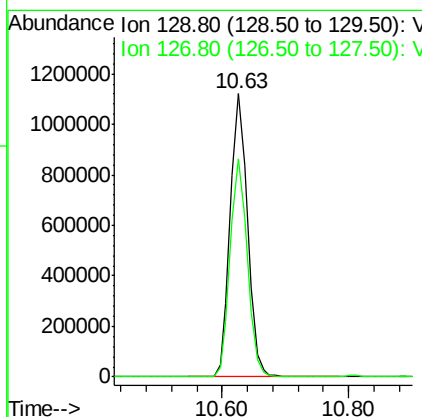
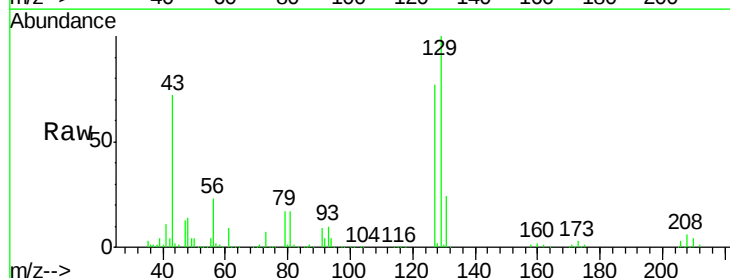
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

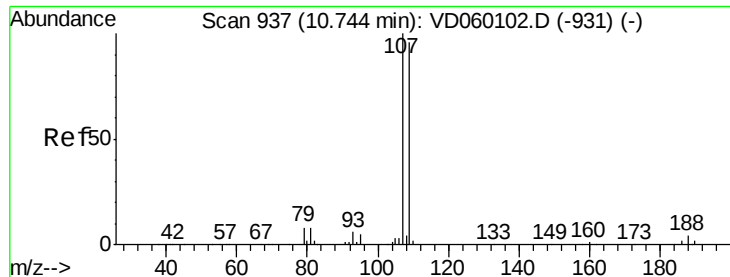
Tgt Ion: 43 Resp: 5400287
Ion Ratio Lower Upper
43 100
58 48.6 23.3 69.9



#60
Dibromochloromethane
Concen: 145.559 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 129 Resp: 2120304
Ion Ratio Lower Upper
129 100
127 77.2 37.4 112.2

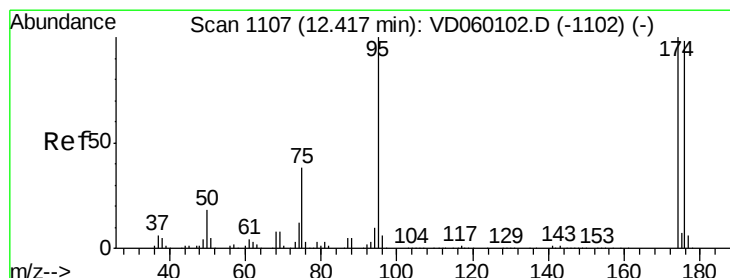
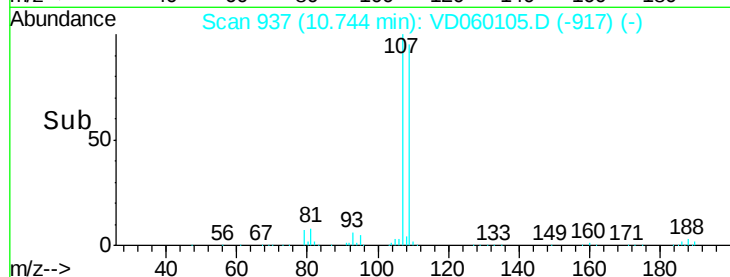
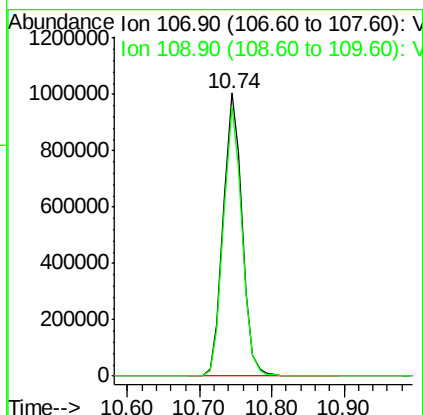
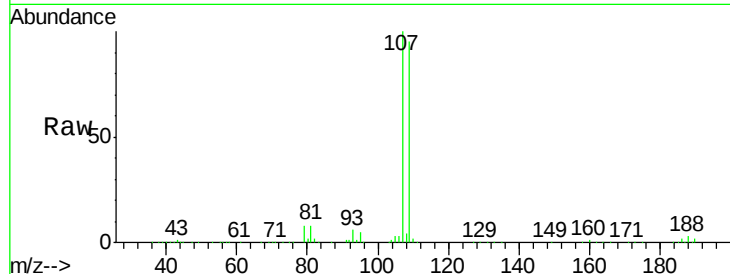




#61
1,2-Dibromoethane
Concen: 145.232 ug/l
RT: 10.74 min Scan# 937
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

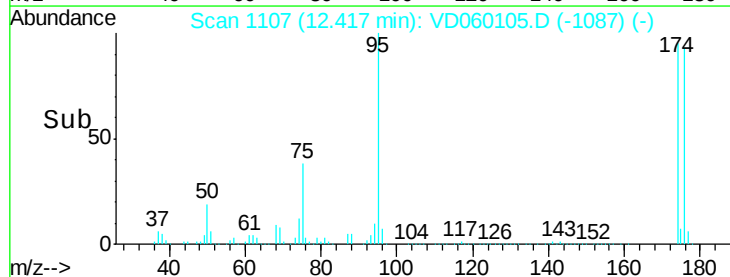
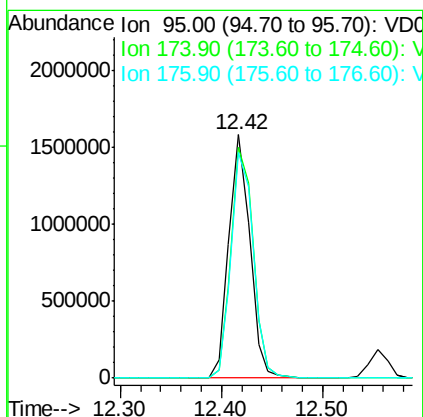
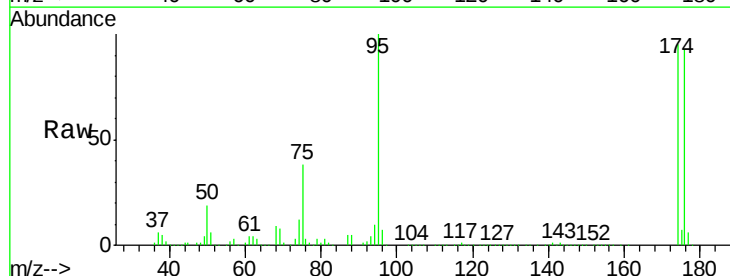
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

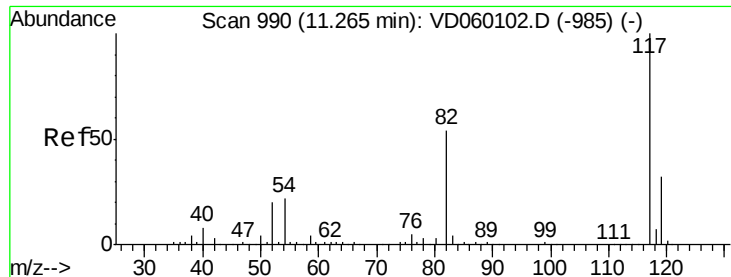
Tgt Ion: 107 Resp: 1809876
Ion Ratio Lower Upper
107 100
109 95.3 77.1 115.7



#62
4-Bromofluorobenzene
Concen: 145.232 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 95 Resp: 2294238
Ion Ratio Lower Upper
95 100
174 94.6 0.0 200.2
176 92.5 0.0 195.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

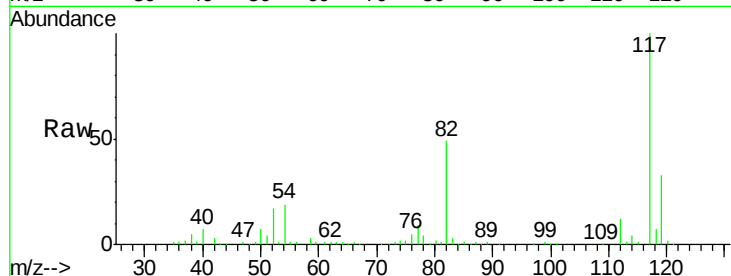
Tgt Ion:117 Resp: 1711160

Ion Ratio Lower Upper

117 100

82 48.6 43.4 65.2

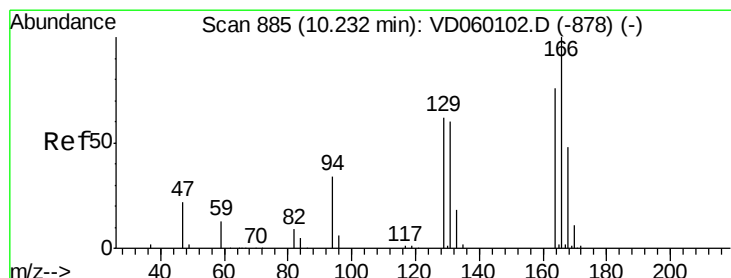
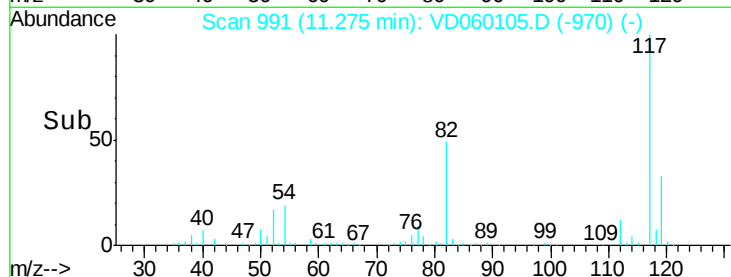
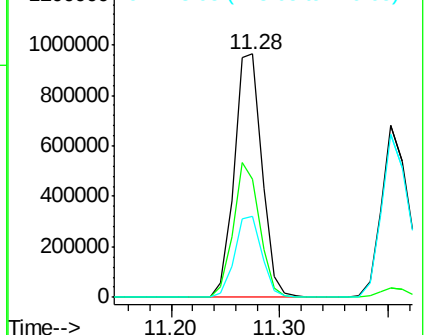
119 33.1 26.0 39.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 137.336 ug/l

RT: 10.23 min Scan# 885

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tgt Ion:164 Resp: 2046834

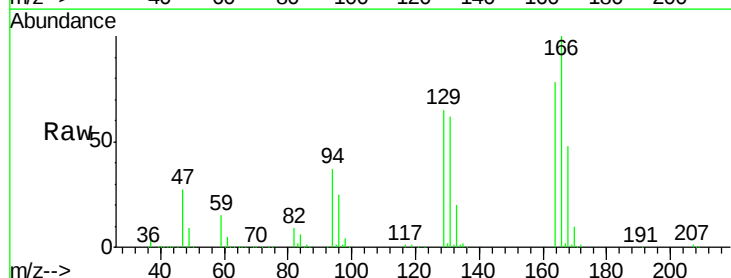
Ion Ratio Lower Upper

164 100

166 128.5 105.4 158.0

129 83.5 65.7 98.5

131 80.2 62.9 94.3

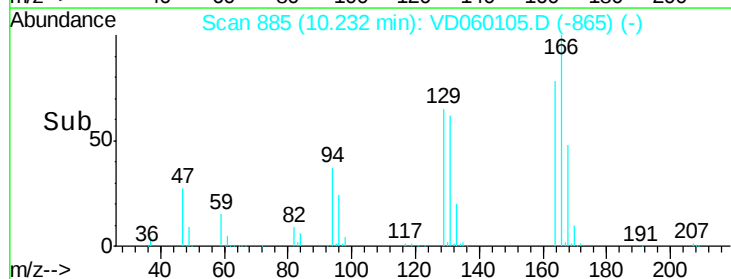
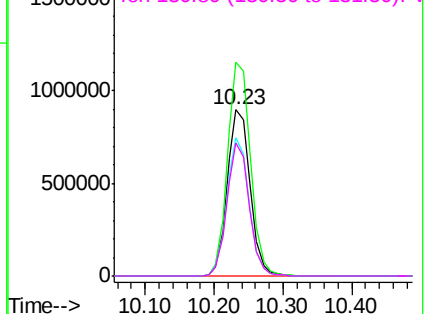


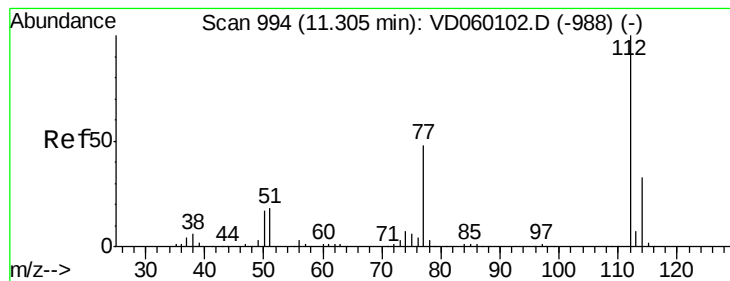
Abundance Ion 163.85 (163.55 to 164.55): V

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: 133.339 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

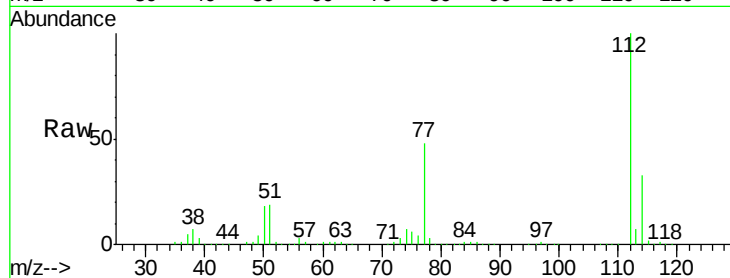
VSTDIC150

Tgt Ion:112 Resp: 4851709

Ion Ratio Lower Upper

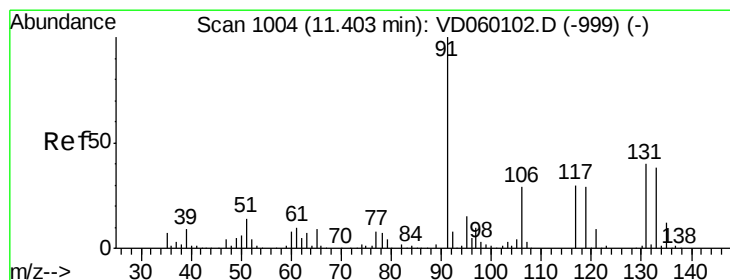
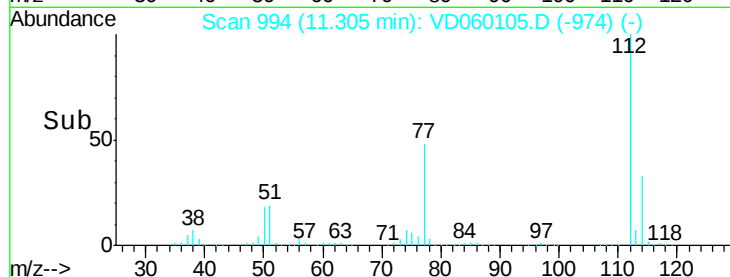
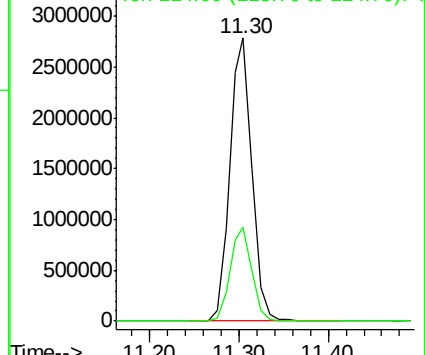
112 100

114 33.3 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 127.289 ug/l

RT: 11.40 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

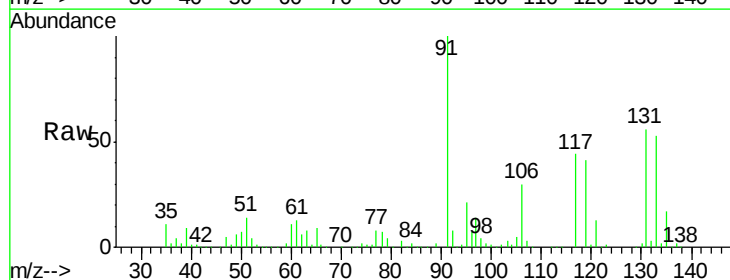
Tgt Ion:131 Resp: 1558215

Ion Ratio Lower Upper

131 100

133 94.4 47.4 142.3

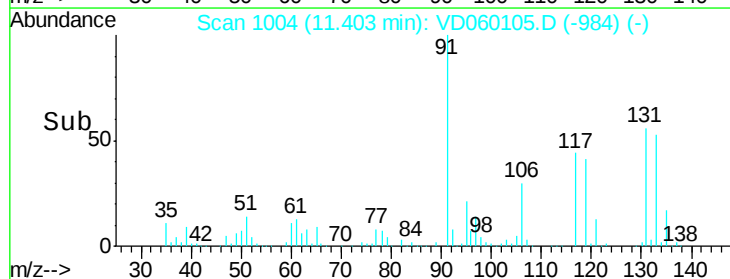
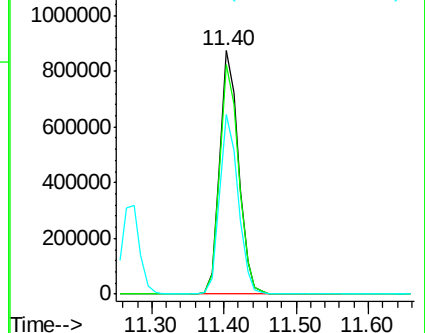
119 74.0 36.1 108.3



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

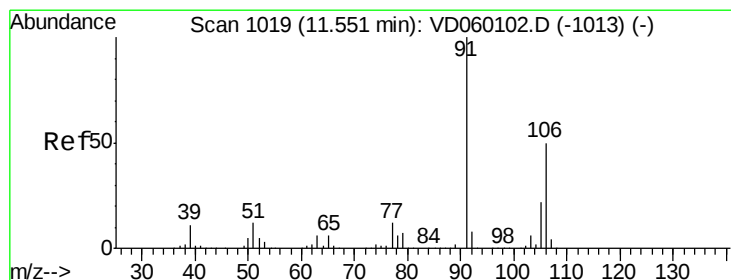
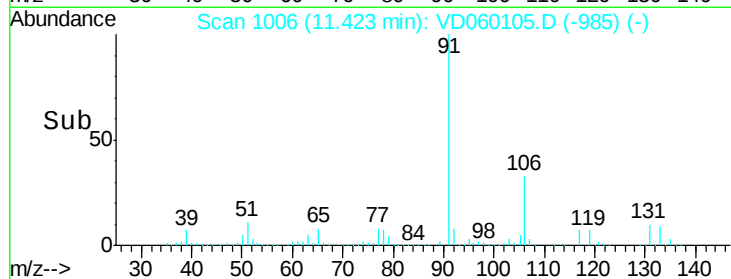
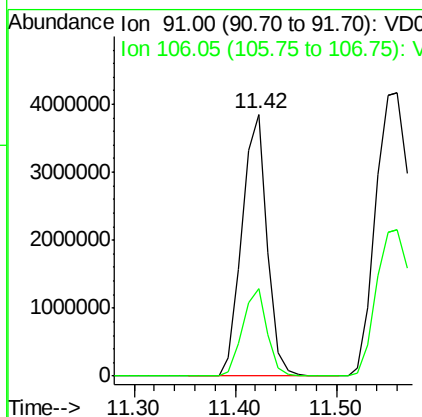
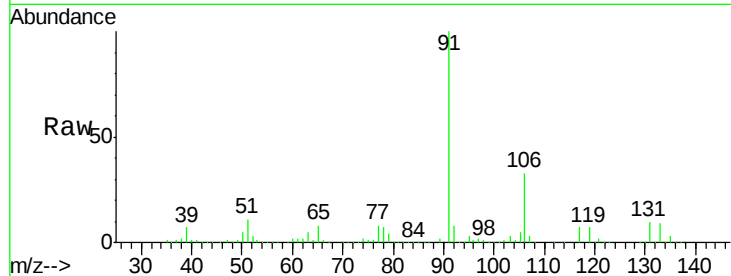




#67
Ethyl Benzene
Concen: 114.786 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

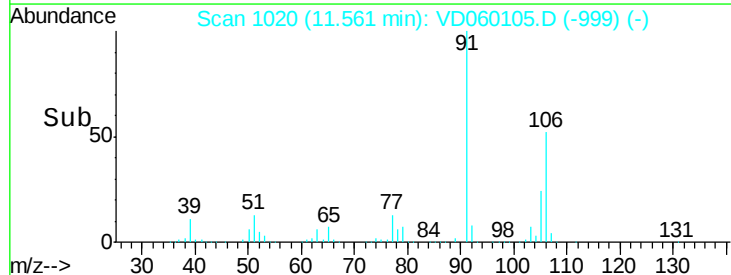
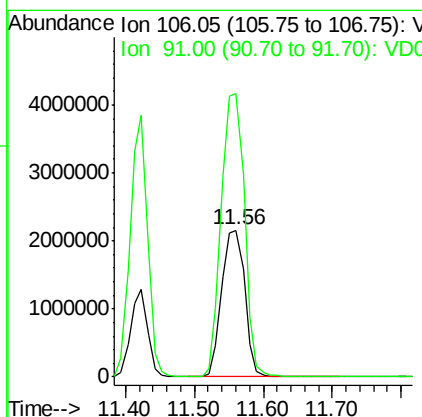
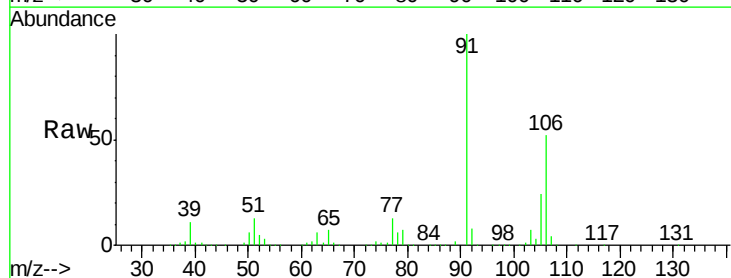
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 6706241
Ion Ratio Lower Upper
91 100
106 33.3 24.4 36.6



#68
m/p-Xylenes
Concen: 233.104 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 106 Resp: 5015901
Ion Ratio Lower Upper
106 100
91 192.6 160.0 240.0

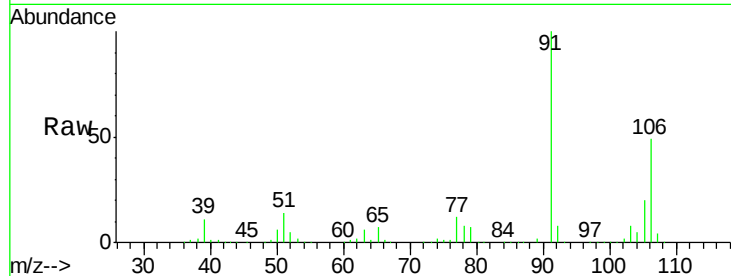




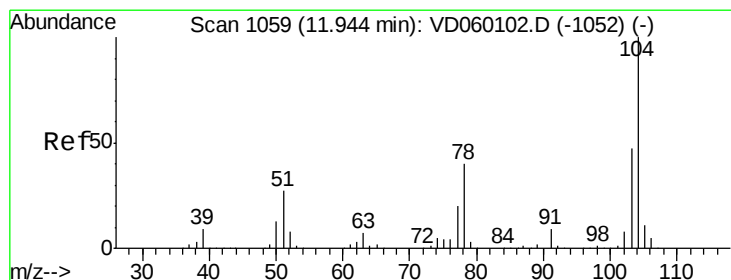
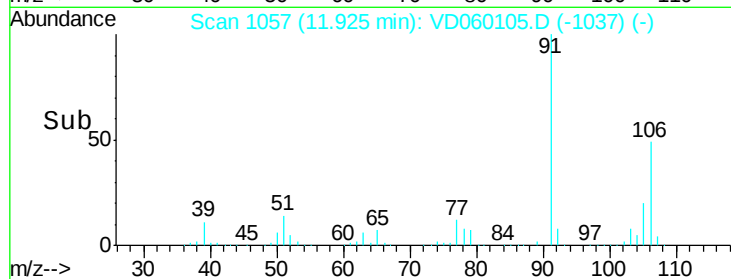
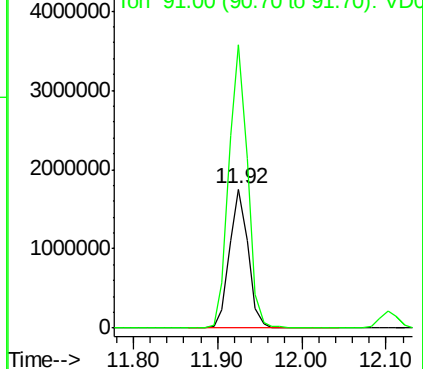
#69
o-Xylene
Concen: 124.442 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 2670418
Ion Ratio Lower Upper
106 100
91 203.5 102.5 307.5

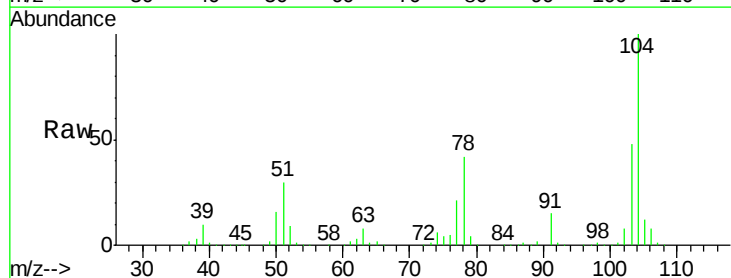


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

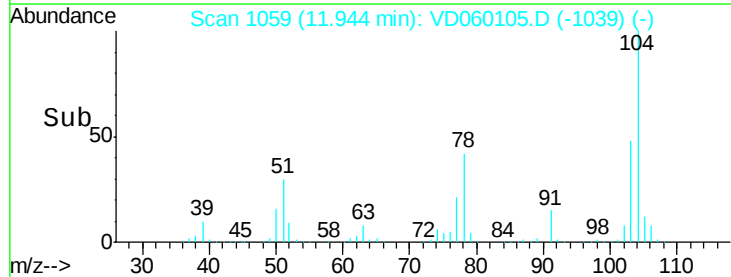
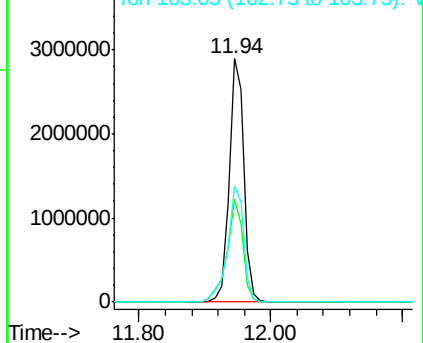


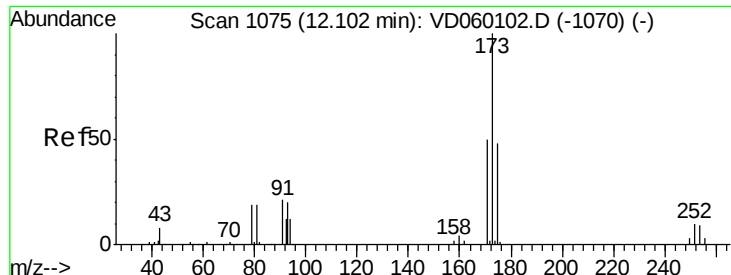
#70
Styrene
Concen: 124.973 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion:104 Resp: 4503159
Ion Ratio Lower Upper
104 100
78 42.4 32.2 48.4
103 47.7 37.4 56.0



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





#71

Bromoform

Concen: 152.347 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

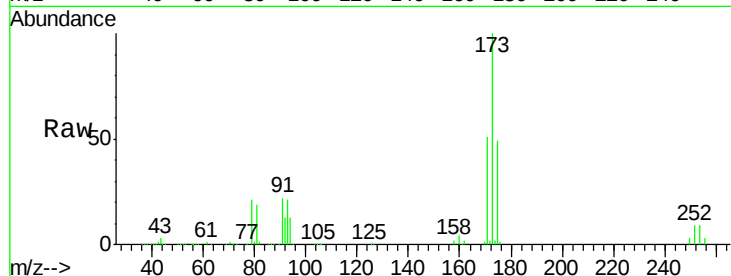
Tgt Ion:173 Resp: 1596228

Ion Ratio Lower Upper

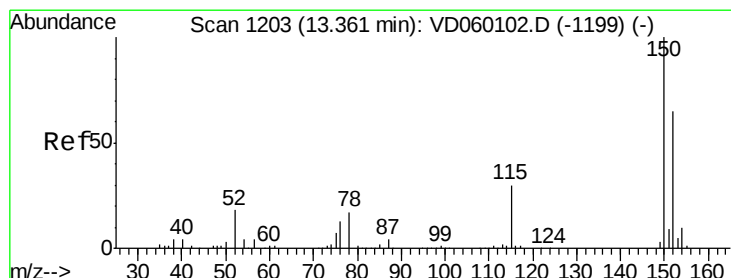
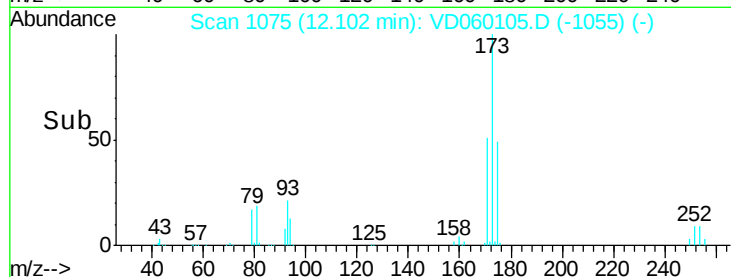
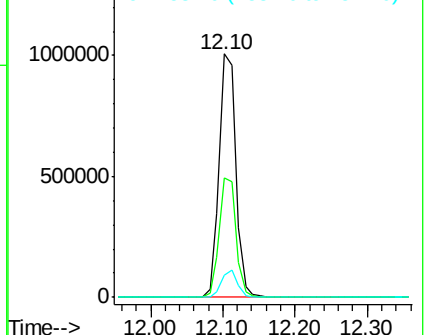
173 100

175 49.0 24.1 72.4

254 9.0 7.4 11.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

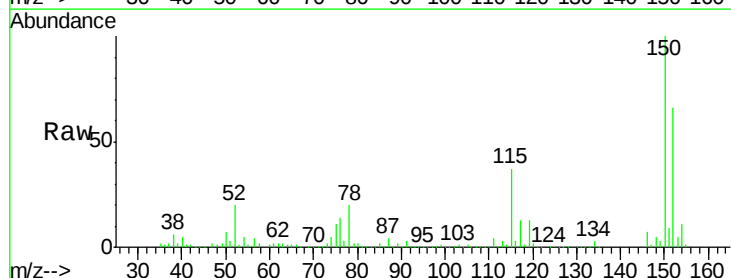
Tgt Ion:152 Resp: 910234

Ion Ratio Lower Upper

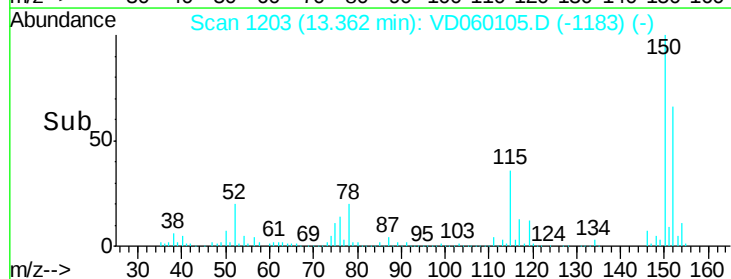
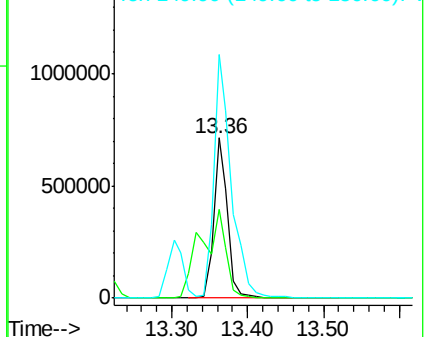
152 100

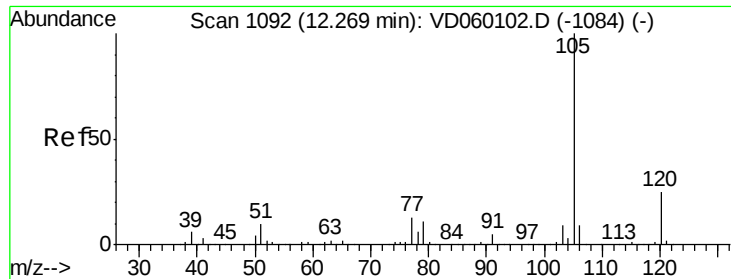
115 55.6 27.1 81.2

150 152.2 0.0 311.8



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: 120.768 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

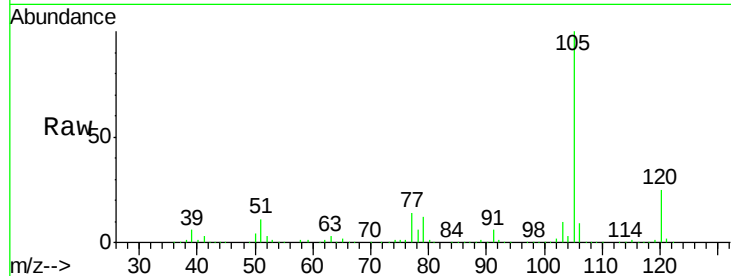
VSTDIC150

Tgt Ion:105 Resp: 7143083

Ion Ratio Lower Upper

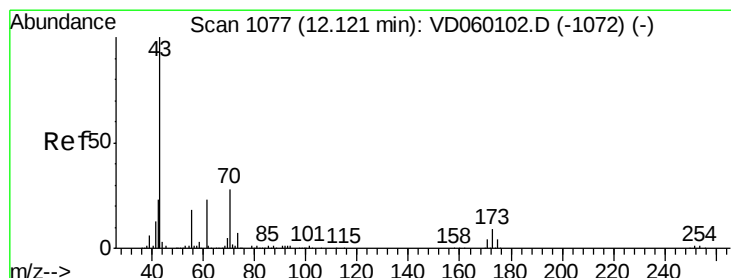
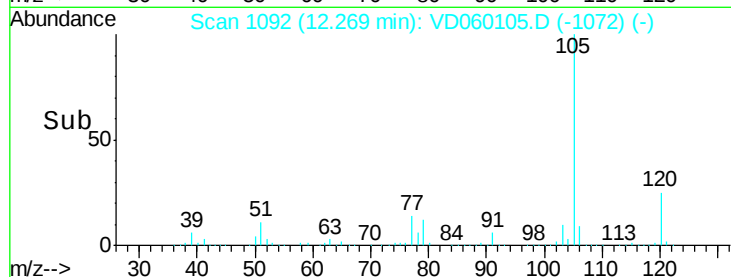
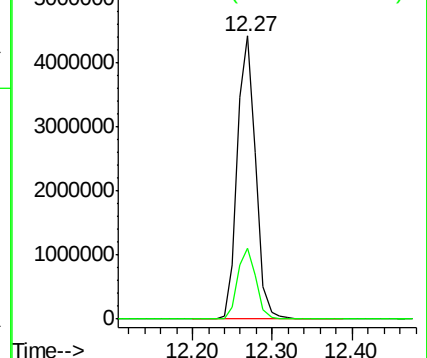
105 100

120 24.9 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 130.932 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Tgt Ion: 43 Resp: 3048008

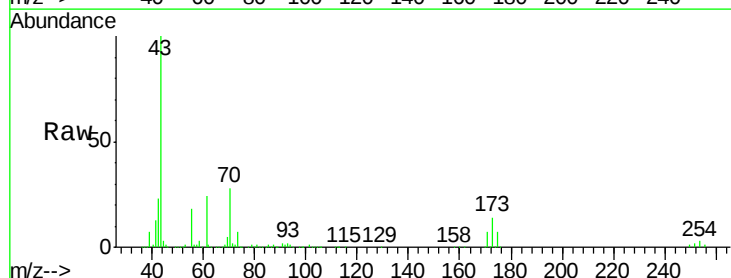
Ion Ratio Lower Upper

43 100

70 27.8 22.1 33.1

55 17.7 14.1 21.1

61 23.6 18.4 27.6

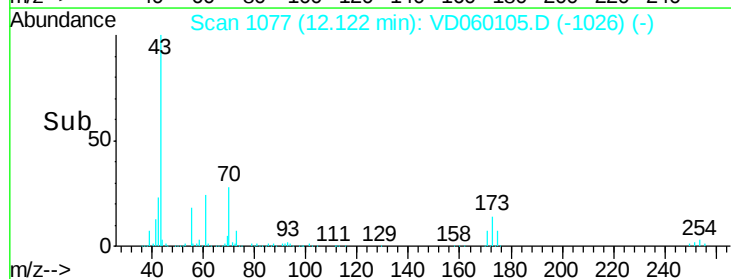
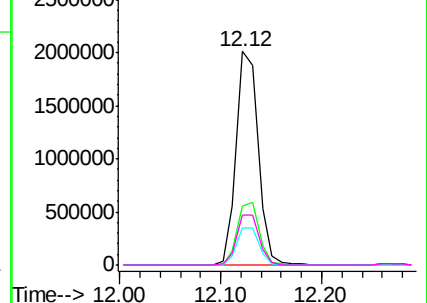


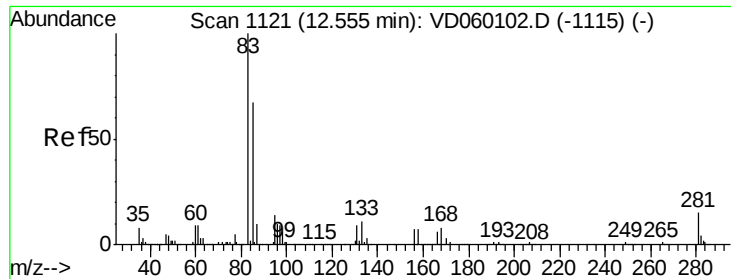
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 133.995 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

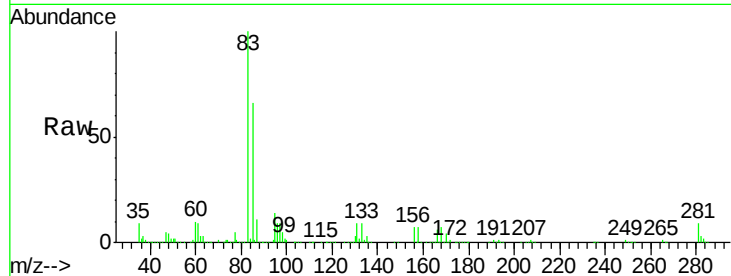
Tgt Ion: 83 Resp: 1796401

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.4

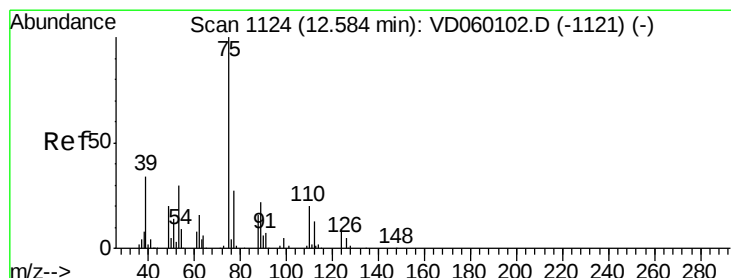
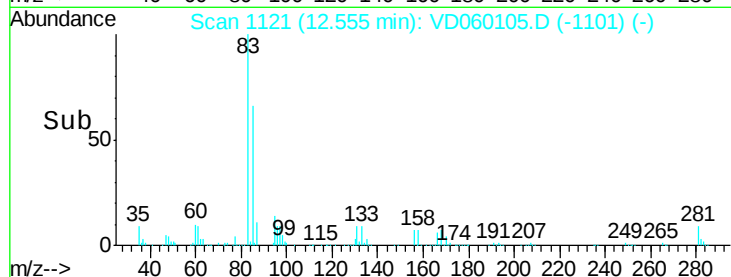
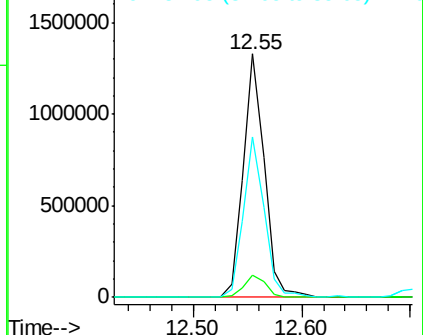
85 65.7 33.3 99.9



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: 134.463 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060105.D

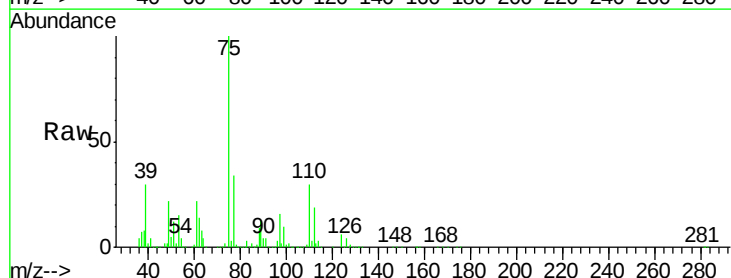
Acq: 1 Oct 2018 19:15

Tgt Ion: 75 Resp: 1839533

Ion Ratio Lower Upper

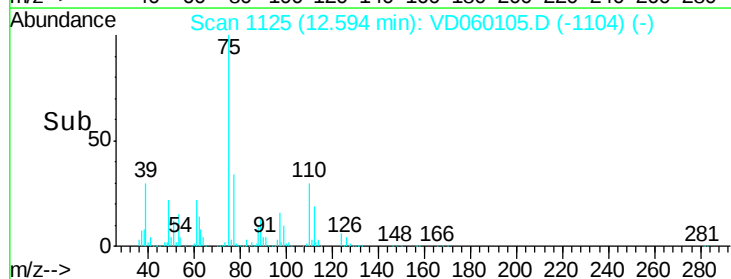
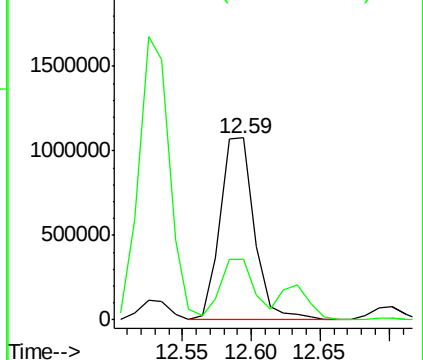
75 100

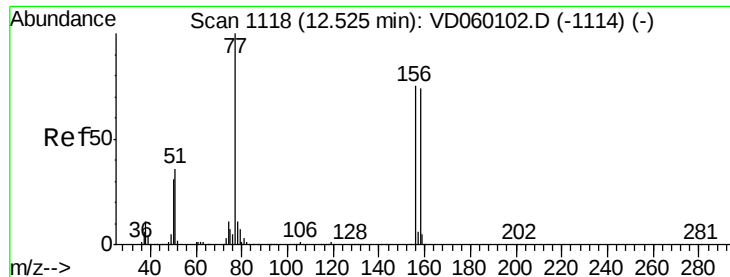
77 33.7 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

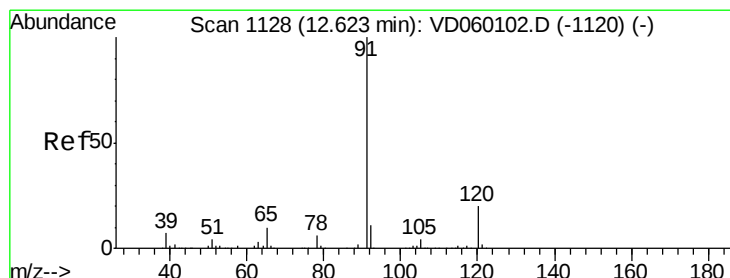
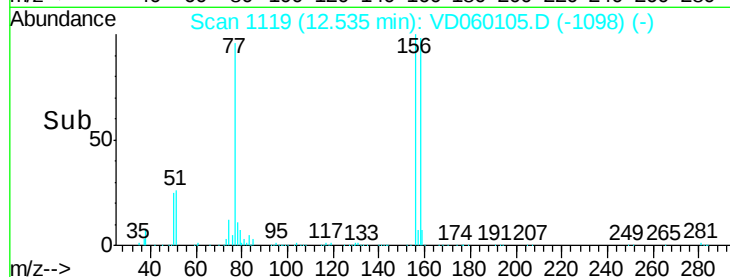
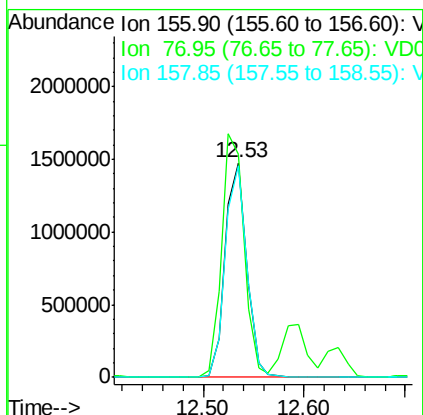
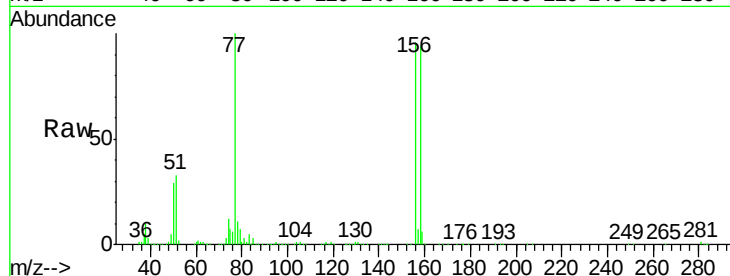




#77
Bromobenzene
Concen: 128.106 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

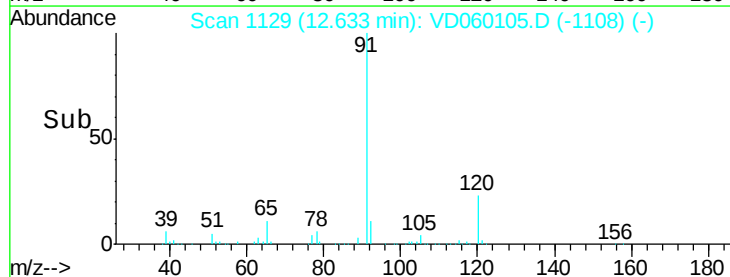
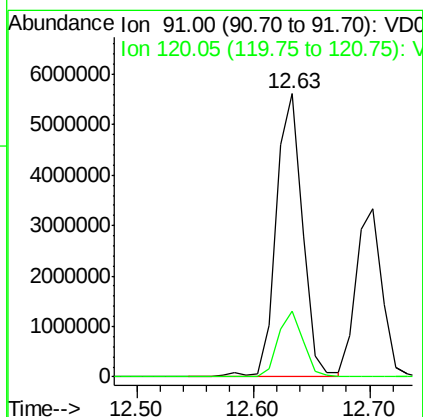
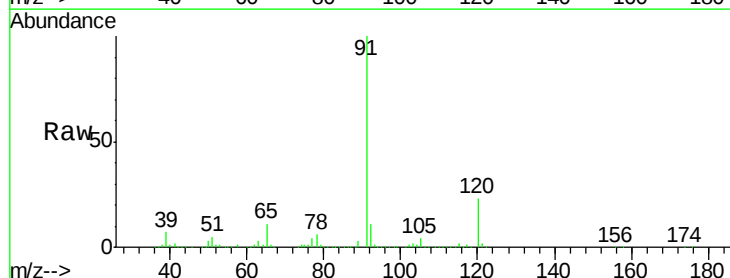
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

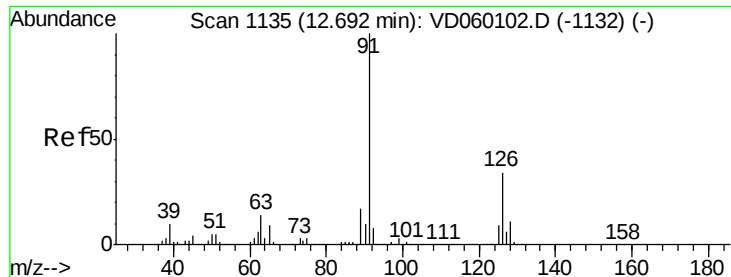
Tgt Ion: 156 Resp: 2195396
Ion Ratio Lower Upper
156 100
77 104.1 66.9 200.7
158 98.3 49.1 147.4



#78
n-propylbenzene
Concen: 118.294 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion: 91 Resp: 8771344
Ion Ratio Lower Upper
91 100
120 23.4 10.0 30.0





#79

2-Chlorotoluene

Concen: 122.646 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

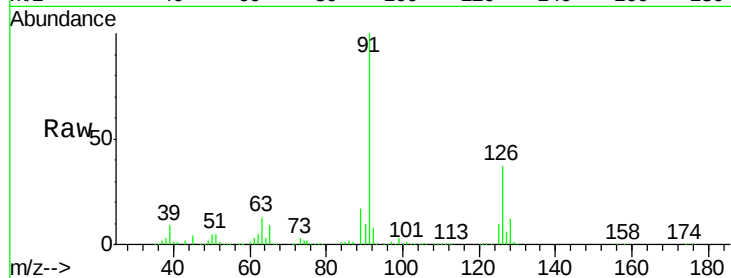
VSTDIC150

Tgt Ion: 91 Resp: 5123728

Ion Ratio Lower Upper

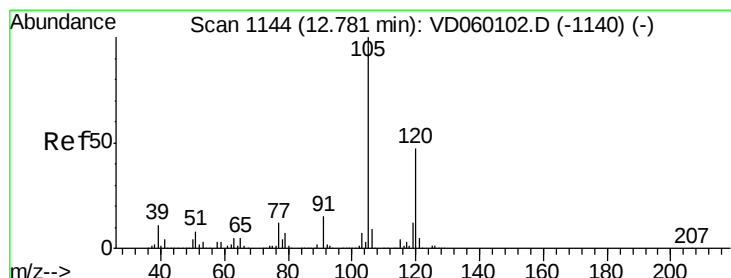
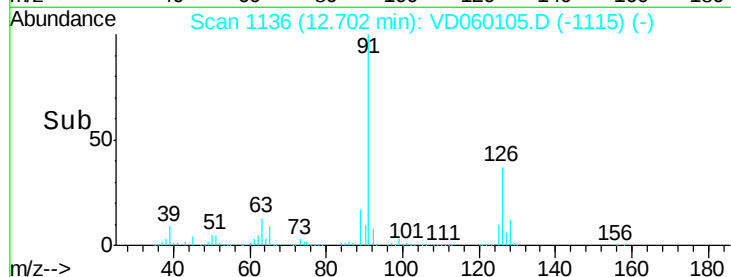
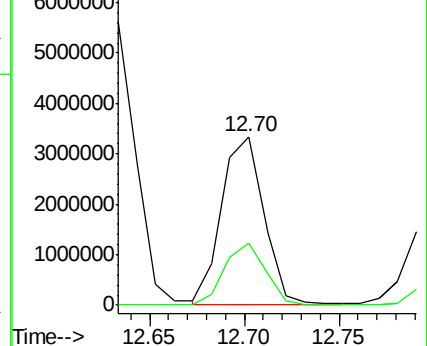
91 100

126 37.0 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 115.783 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD060105.D

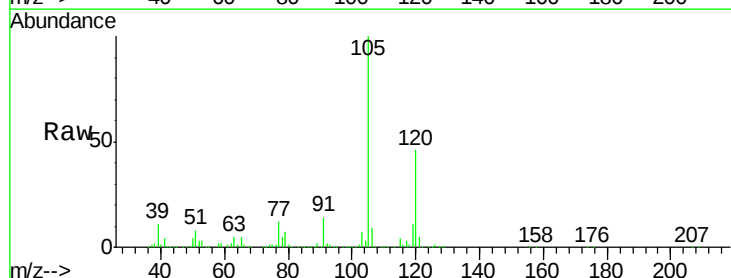
Acq: 1 Oct 2018 19:15

Tgt Ion: 105 Resp: 5246313

Ion Ratio Lower Upper

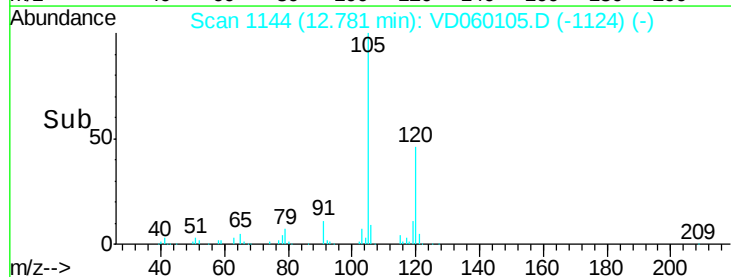
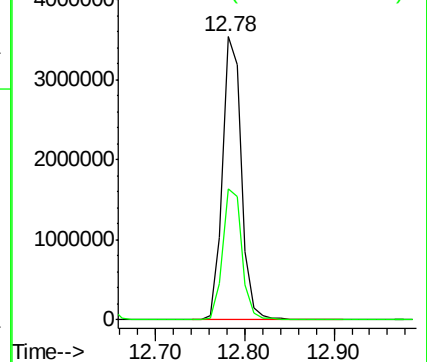
105 100

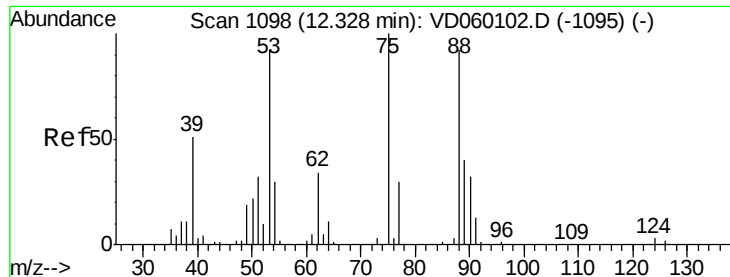
120 46.3 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 142.998 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

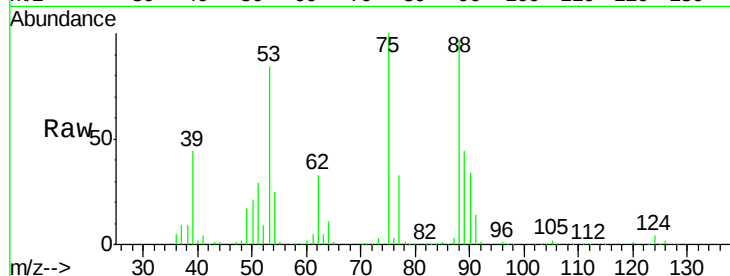
Tgt Ion: 75 Resp: 589490

Ion Ratio Lower Upper

75 100

53 83.9 73.0 109.6

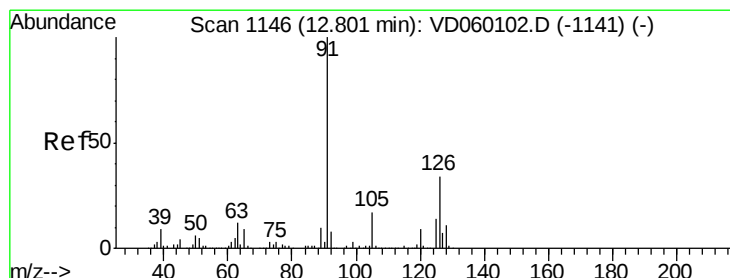
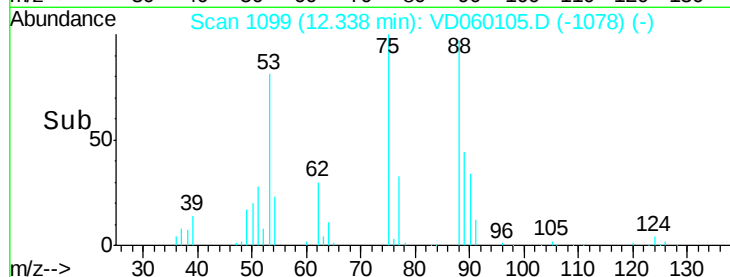
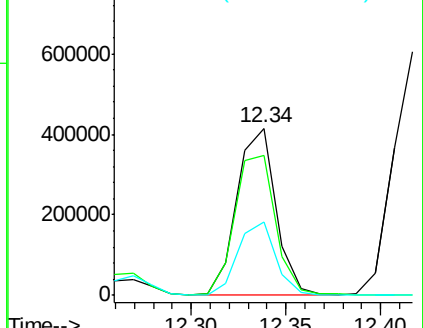
89 44.2 32.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 114.666 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060105.D

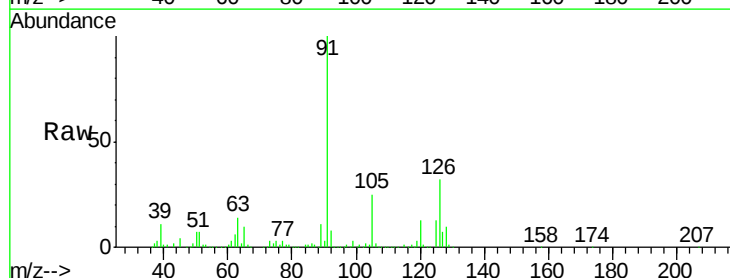
Acq: 1 Oct 2018 19:15

Tgt Ion: 91 Resp: 5267206

Ion Ratio Lower Upper

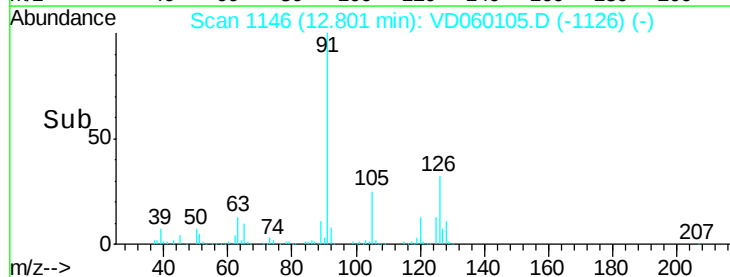
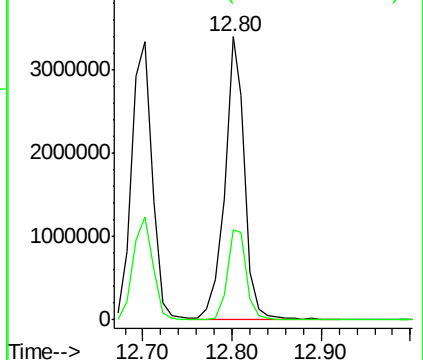
91 100

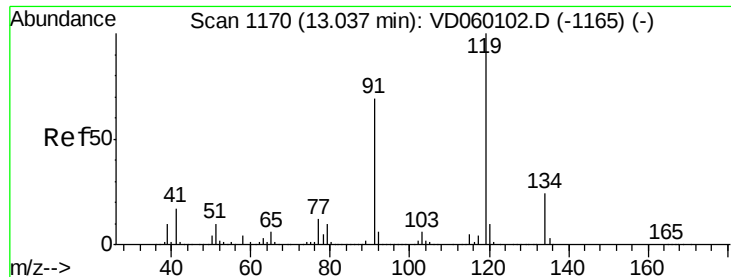
126 32.0 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

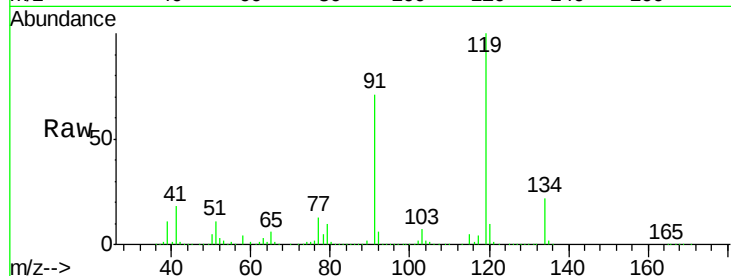




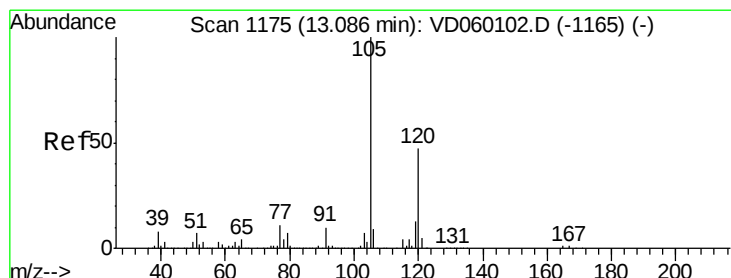
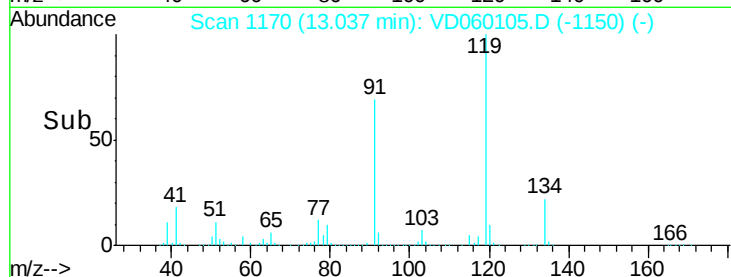
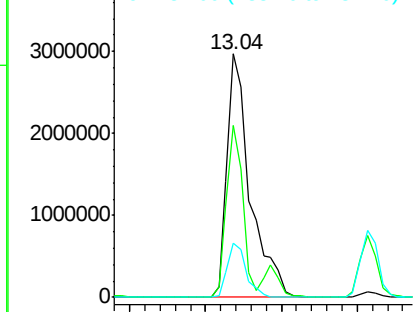
#83
 tert-Butylbenzene
 Concen: 119.694 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 6296699
 Ion Ratio Lower Upper
 119 100
 91 70.9 34.8 104.4
 134 22.4 11.8 35.4

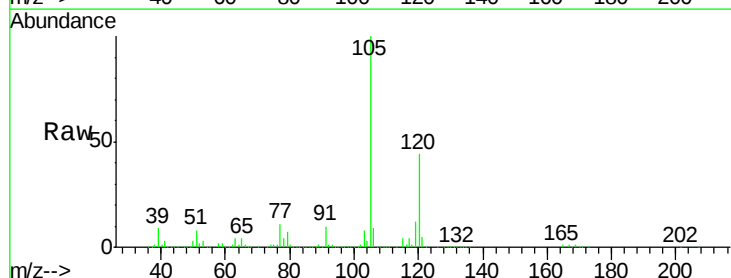


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

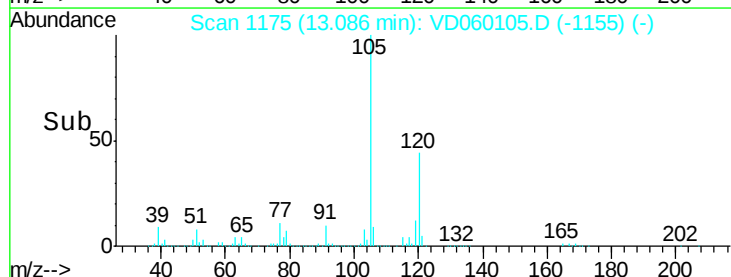
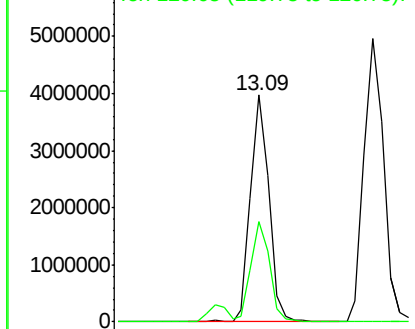


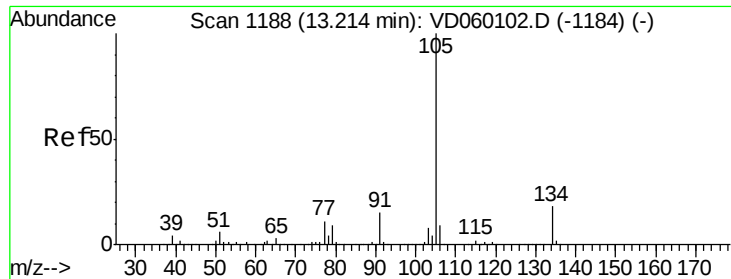
#84
 1,2,4-Trimethylbenzene
 Concen: 116.755 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Tgt Ion:105 Resp: 5662998
 Ion Ratio Lower Upper
 105 100
 120 44.0 23.4 70.0



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

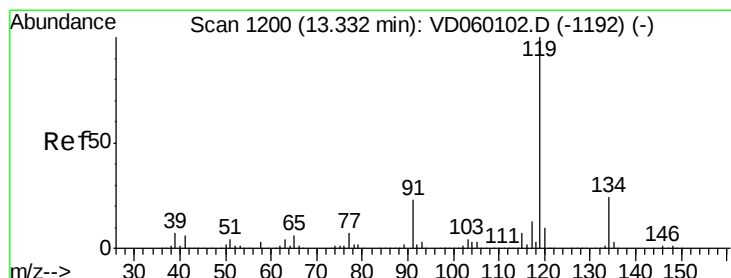
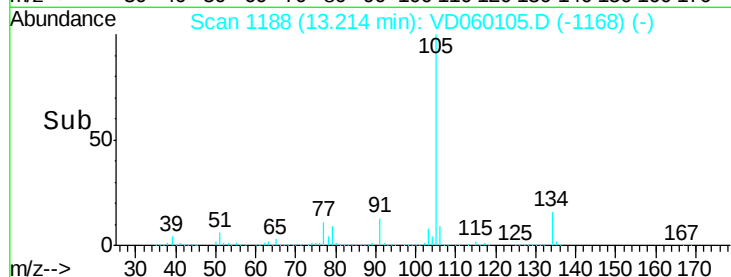
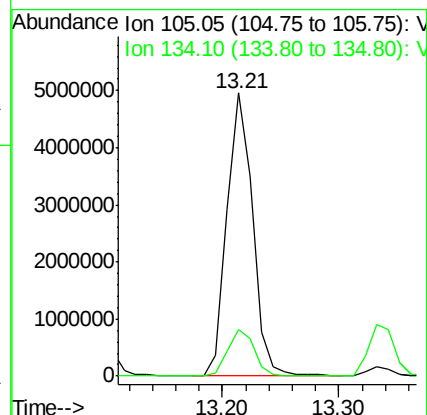
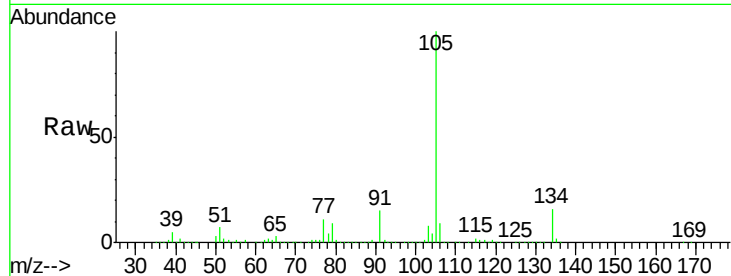




#85
 sec-Butylbenzene
 Concen: 121.408 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

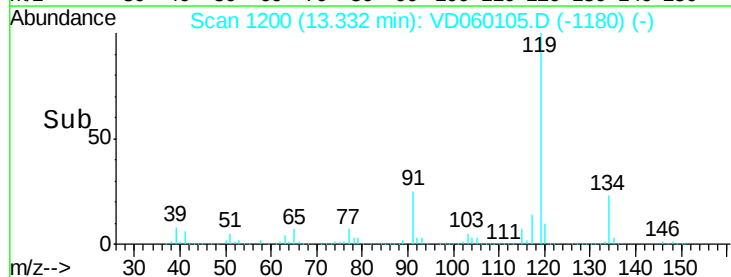
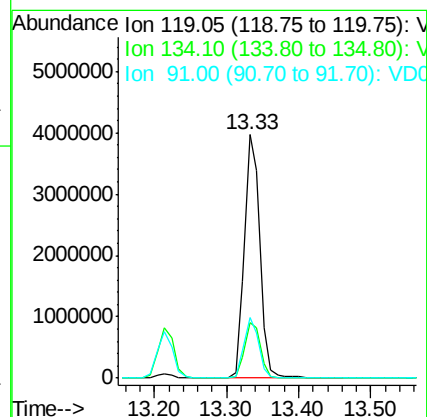
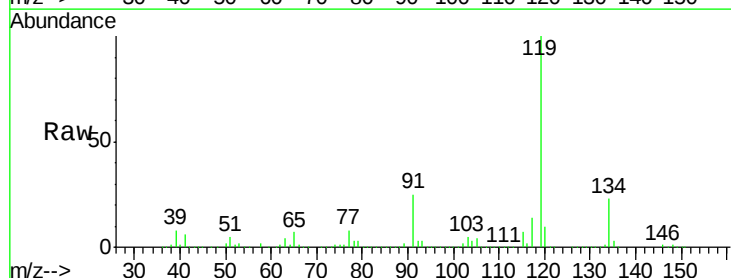
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 7536799
 Ion Ratio Lower Upper
 105 100
 134 16.4 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 118.875 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Tgt Ion:119 Resp: 5972518
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.3 36.8
 91 25.0 11.8 35.4

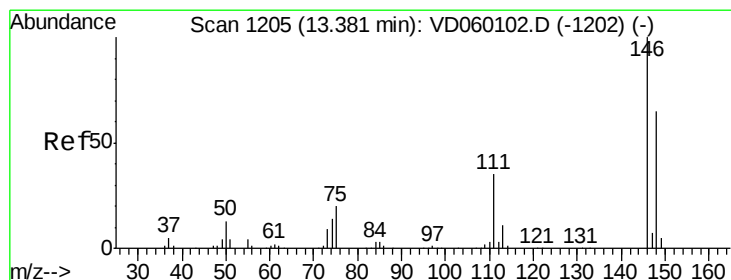
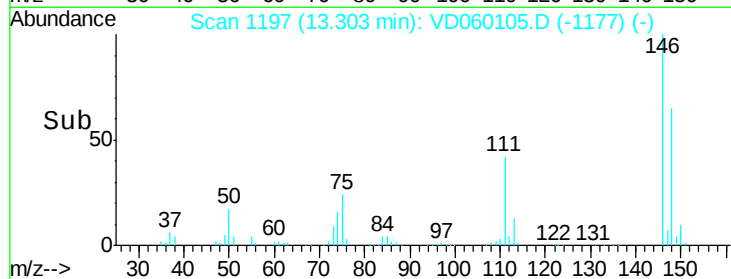
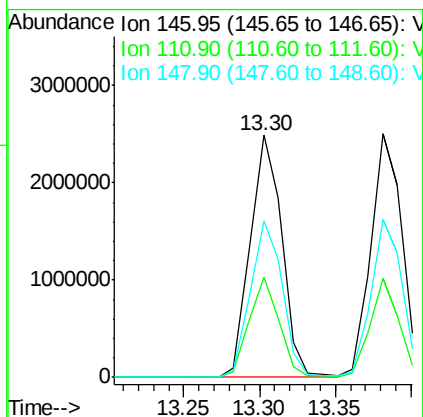
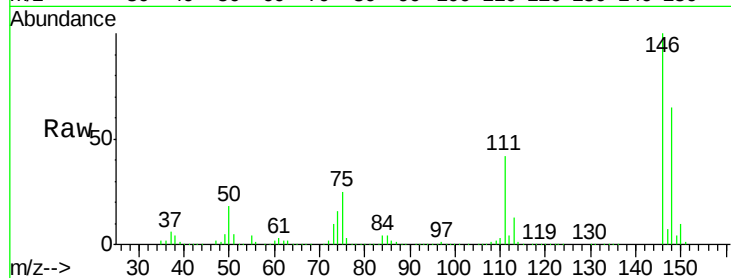




#87
 1,3-Dichlorobenzene
 Concen: 122.528 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

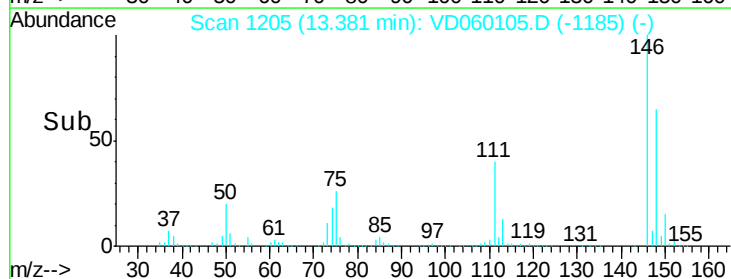
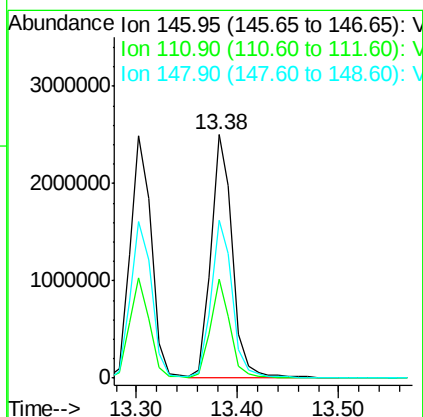
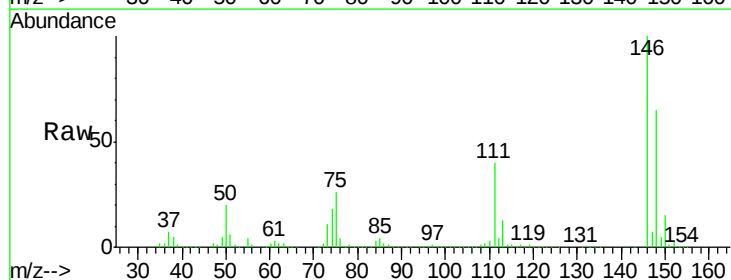
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

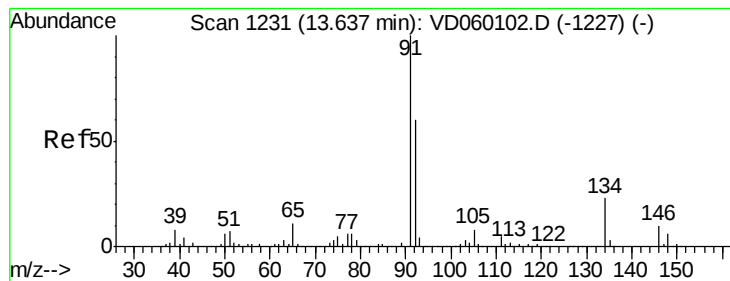
Tgt Ion:146 Resp: 3644411
 Ion Ratio Lower Upper
 146 100
 111 41.5 18.1 54.3
 148 64.6 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 123.032 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060105.D
 Acq: 1 Oct 2018 19:15

Tgt Ion:146 Resp: 3708837
 Ion Ratio Lower Upper
 146 100
 111 40.4 17.8 53.3
 148 64.8 32.4 97.2





#89

n-Butylbenzene

Concen: 104.138 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

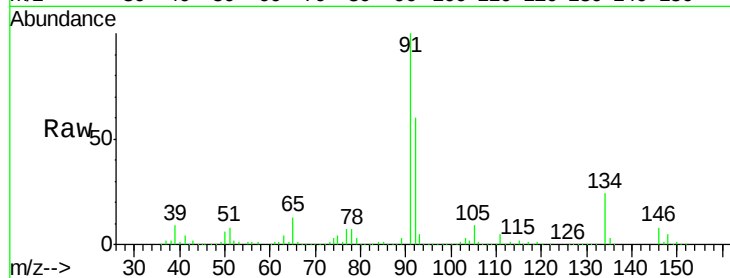
Tgt Ion: 91 Resp: 5096743

Ion Ratio Lower Upper

91 100

92 60.3 30.1 90.3

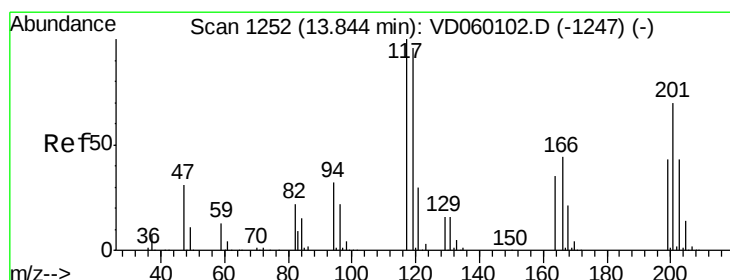
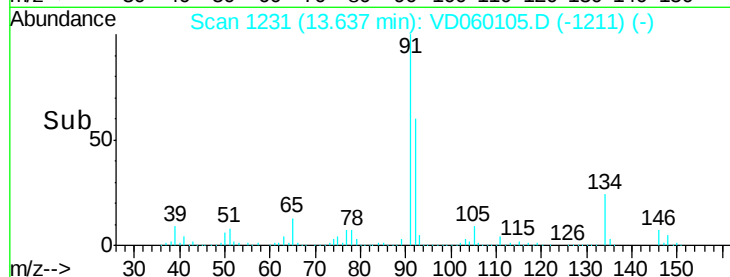
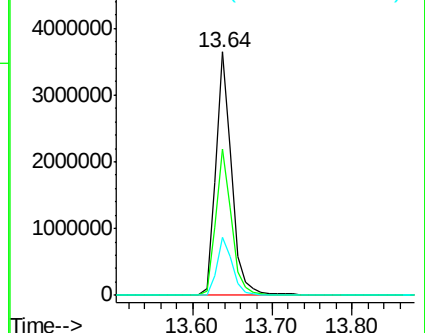
134 24.0 11.6 34.7



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: 138.892 ug/l

RT: 13.85 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VD060105.D

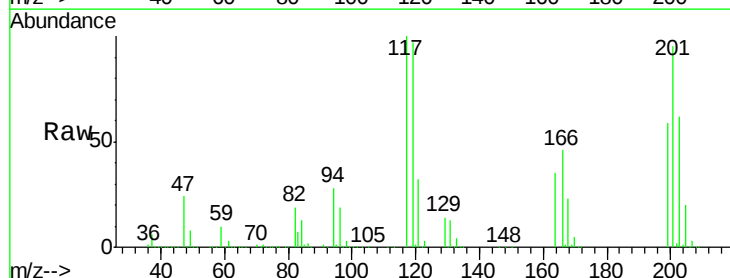
Acq: 1 Oct 2018 19:15

Tgt Ion: 117 Resp: 1725611

Ion Ratio Lower Upper

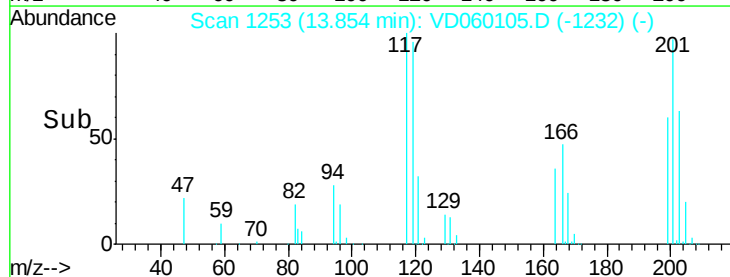
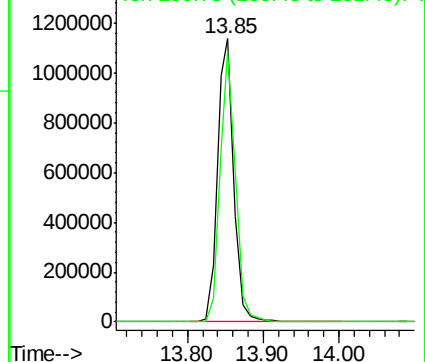
117 100

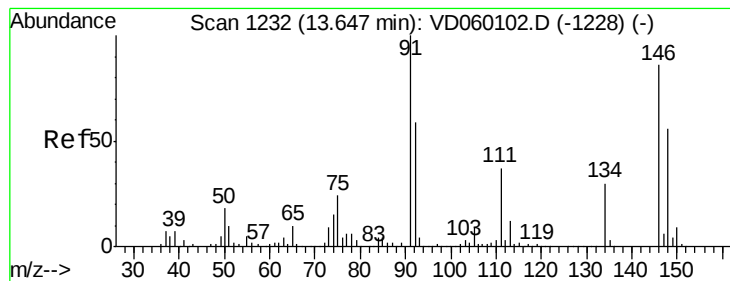
201 95.4 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 105.825 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

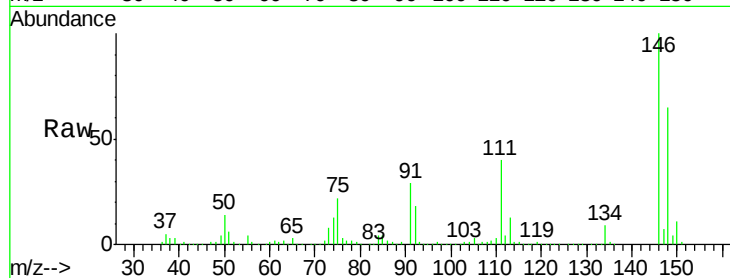
Tgt Ion:146 Resp: 2597813

Ion Ratio Lower Upper

146 100

111 40.2 21.4 64.3

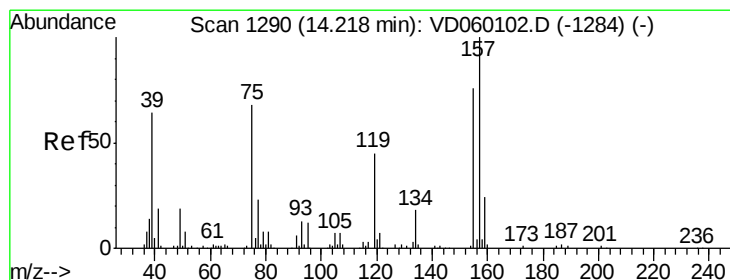
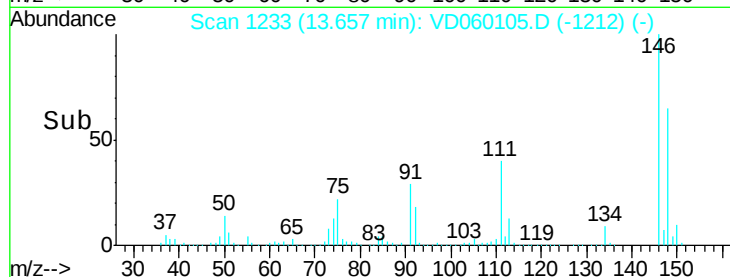
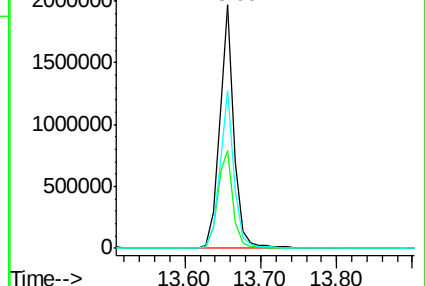
148 65.0 32.2 96.6



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: 132.435 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VD060105.D

Acq: 1 Oct 2018 19:15

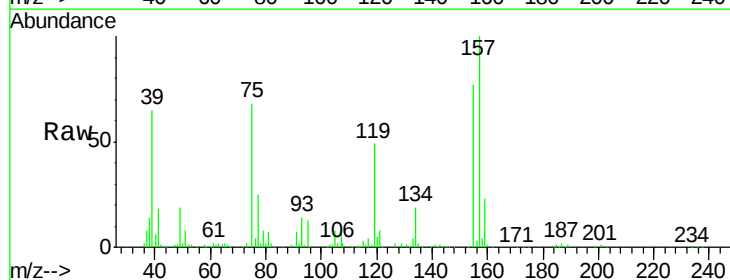
Tgt Ion: 75 Resp: 271206

Ion Ratio Lower Upper

75 100

155 112.9 55.9 167.7

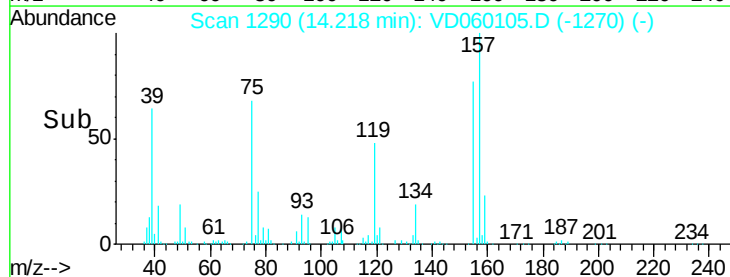
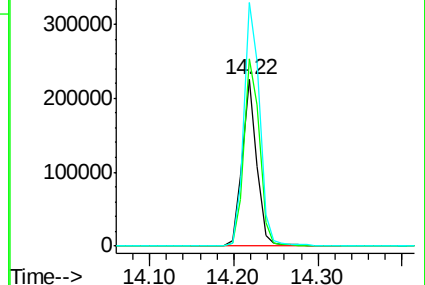
157 146.4 73.3 219.8

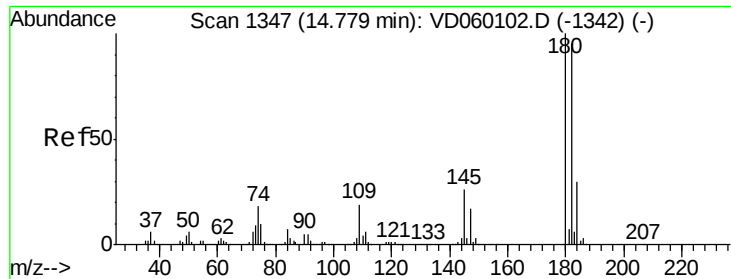


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

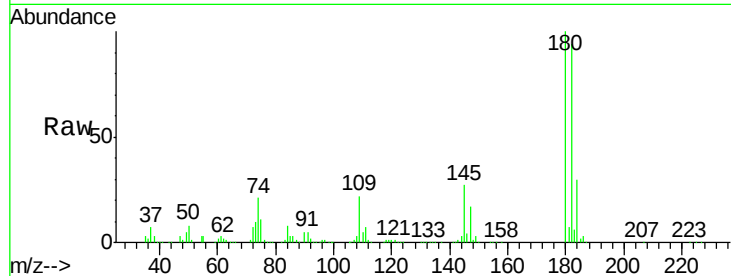




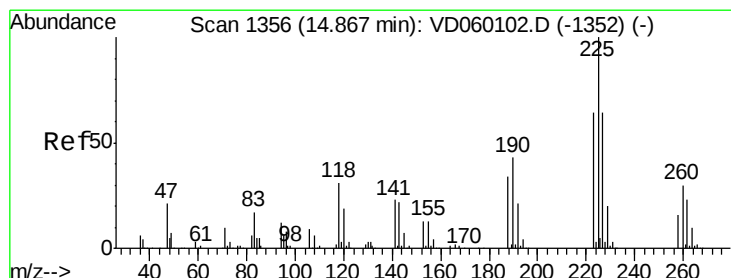
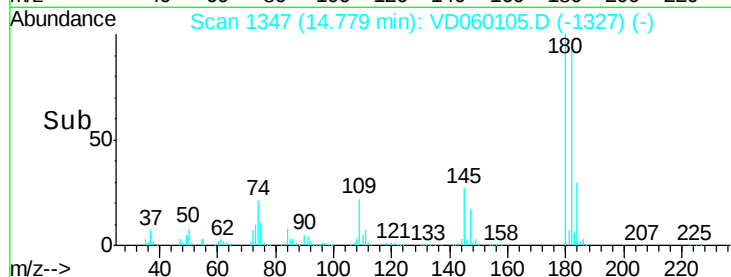
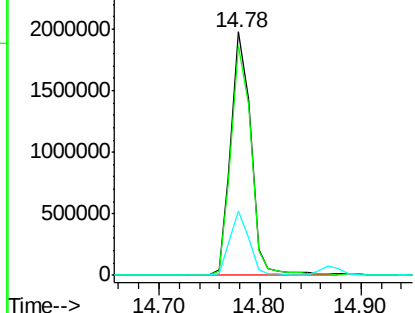
#93
1,2,4-Trichlorobenzene
Concen: 129.818 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:180 Resp: 2751826
Ion Ratio Lower Upper
180 100
182 94.3 47.3 141.8
145 26.7 13.0 38.9

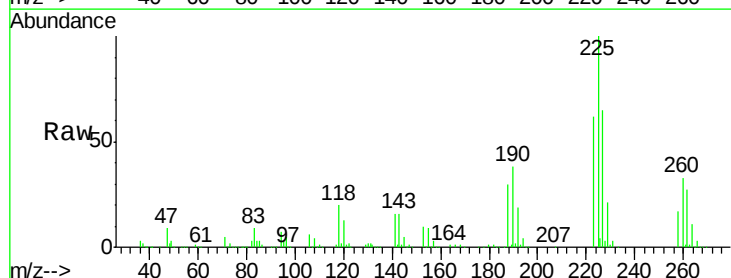


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

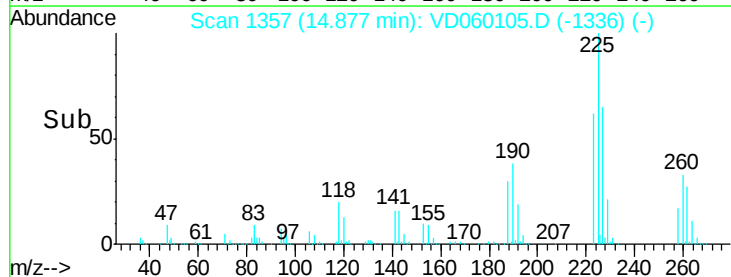
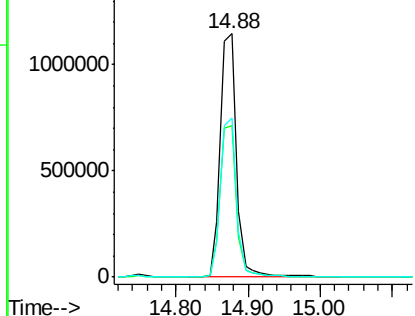


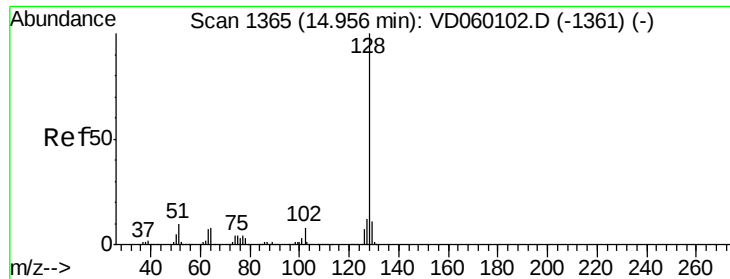
#94
Hexachlorobutadiene
Concen: 126.896 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion:225 Resp: 1782172
Ion Ratio Lower Upper
225 100
223 62.0 31.8 95.4
227 65.2 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

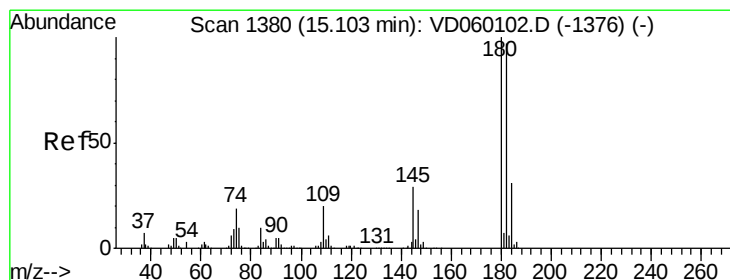
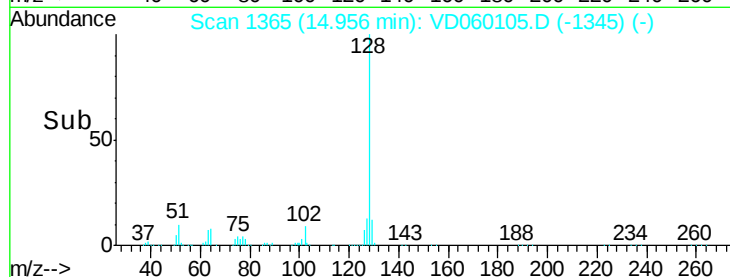
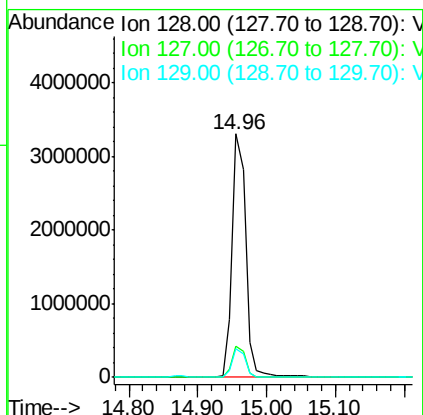
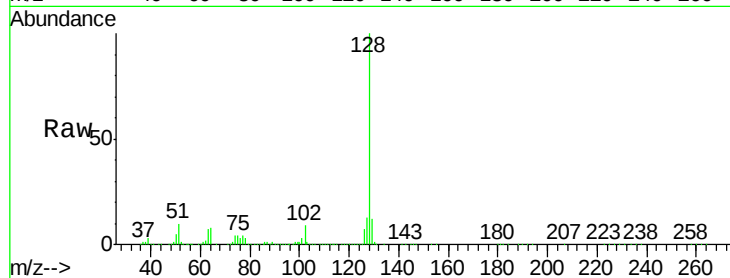




#95
Naphthalene
Concen: 140.527 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 4593605
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 11.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 135.532 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060105.D
Acq: 1 Oct 2018 19:15

Tgt Ion:180 Resp: 2516200
Ion Ratio Lower Upper
180 100
182 94.8 48.4 145.0
145 27.9 14.5 43.6

