

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
 Data File : VD060136.D
 Acq On : 5 Oct 2018 12:40
 Operator : VA/AP
 Sample : VD1005SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Quant Time: Oct 05 23:41:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1591586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2241598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1775915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	975483	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	648430	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	6.31	113	882533	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	9.44	98	2587035	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.42	95	938033	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	277052	18.505	ug/l	99
3) Chloromethane	1.74	50	289156	21.419	ug/l	100
4) Vinyl Chloride	1.84	62	232534	21.047	ug/l	97
5) Bromomethane	2.12	94	20064	14.463	ug/l	84
6) Chloroethane	2.23	64	55362	18.363	ug/l	96
7) Trichlorofluoromethane	2.49	101	266279	20.129	ug/l	97
8) Diethyl Ether	2.81	74	58335	21.445	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	181083	21.973	ug/l	96
10) Methyl Iodide	3.22	142	148272	16.965	ug/l	98
11) Tert butyl alcohol	3.95	59	78567	90.803	ug/l	96
12) 1,1-Dichloroethene	3.05	96	145538	22.416	ug/l	94
13) Acrolein	2.96	56	51736	96.997	ug/l	90
14) Allyl chloride	3.51	41	283632	21.034	ug/l	96
15) Acrylonitrile	4.06	53	368867	102.996	ug/l	98
16) Acetone	3.14	43	253092	115.613	ug/l	98
17) Carbon Disulfide	3.29	76	453831	20.786	ug/l	99
18) Methyl Acetate	3.53	43	87275	18.549	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	587771	20.590	ug/l	98
20) Methylene Chloride	3.70	84	394086	20.317	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	335440	20.005	ug/l	94
22) Diisopropyl ether	4.83	45	1248274	20.728	ug/l	92
23) Vinyl Acetate	4.78	43	3592692	106.136	ug/l	99
24) 1,1-Dichloroethane	4.73	63	558560	20.457	ug/l	99
25) 2-Butanone	5.61	43	587138	107.357	ug/l	98
26) 2,2-Dichloropropane	5.57	77	446970	21.594	ug/l	97
27) cis-1,2-Dichloroethene	5.58	96	362215	20.388	ug/l	97
28) Bromochloromethane	5.90	49	273069	20.580	ug/l	97
29) Tetrahydrofuran	5.93	42	306781	96.573	ug/l	99
30) Chloroform	6.08	83	573122	20.751	ug/l	98
31) Cyclohexane	6.34	56	520424	19.911	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	460375	20.345	ug/l	99
36) 1,1-Dichloropropene	6.50	75	430365	20.091	ug/l	98
37) Ethyl Acetate	5.68	43	290527	20.434	ug/l	98
38) Carbon Tetrachloride	6.48	117	396672	20.403	ug/l	98

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 Data File : VD060136.D
 Acq On : 5 Oct 2018 12:40
 Operator : VA/AP
 Sample : VD1005SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Quant Time: Oct 05 23:41:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	490146	20.139	ug/l	98
40) Benzene	6.78	78	1100702	19.642	ug/l	100
41) Methacrylonitrile	5.93	41	309781	38.547	ug/l #	89
42) 1,2-Dichloroethane	6.88	62	325477	20.258	ug/l	100
43) Isopropyl Acetate	8.33	43	378542	20.237	ug/l	100
44) Trichloroethene	7.72	130	345434	19.913	ug/l	97
45) 1,2-Dichloropropane	8.09	63	293971	20.034	ug/l	97
46) Dibromomethane	8.20	93	190155	20.016	ug/l	98
47) Bromodichloromethane	8.48	83	414905	20.498	ug/l	99
48) Methyl methacrylate	8.23	41	216237	20.295	ug/l	97
49) 1,4-Dioxane	8.21	88	40214	383.591	ug/l	96
51) 4-Methyl-2-Pentanone	9.33	43	1169470	99.124	ug/l	97
52) Toluene	9.53	92	718462	19.907	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	368566	20.123	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	467149	20.655	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	237073	20.093	ug/l	98
56) Ethyl methacrylate	10.02	69	259853	19.952	ug/l	95
57) 1,3-Dichloropropane	10.37	76	373529	20.758	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.91	63	759801	105.055	ug/l	99
59) 2-Hexanone	10.48	43	898952	105.961	ug/l	100
60) Dibromochloromethane	10.63	129	295678	20.425	ug/l	96
61) 1,2-Dibromoethane	10.74	107	246037	19.626	ug/l	98
64) Tetrachloroethene	10.24	164	325332	20.916	ug/l	98
65) Chlorobenzene	11.30	112	801231	20.855	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	275208	21.472	ug/l	98
67) Ethyl Benzene	11.42	91	1367812	21.974	ug/l	99
68) m/p-Xylenes	11.56	106	1016087	43.688	ug/l	98
69) o-Xylene	11.92	106	483625	21.023	ug/l	93
70) Styrene	11.94	104	797798	20.738	ug/l	97
71) Bromoform	12.11	173	209075	20.145	ug/l #	98
73) Isopropylbenzene	12.27	105	1277274	19.847	ug/l	98
74) N-amyl acetate	12.13	43	467607	19.837	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	275327	19.597	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	264866	18.854	ug/l	100
77) Bromobenzene	12.53	156	369953	19.783	ug/l	92
78) n-propylbenzene	12.63	91	1677058	20.987	ug/l	100
79) 2-Chlorotoluene	12.70	91	896474	20.213	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	1056116	21.204	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	75647	19.164	ug/l	97
82) 4-Chlorotoluene	12.80	91	1054387	21.019	ug/l	94
83) tert-Butylbenzene	13.04	119	1169464	20.461	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	1056040	20.117	ug/l	98
85) sec-Butylbenzene	13.21	105	1424039	21.072	ug/l	98
86) p-Isopropyltoluene	13.34	119	1115573	20.126	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	651906	20.008	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	669273	20.450	ug/l	98
89) n-Butylbenzene	13.64	91	1176485	21.752	ug/l	98
90) Hexachloroethane	13.85	117	264853	20.646	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	591475	21.590	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	36162	19.277	ug/l	68

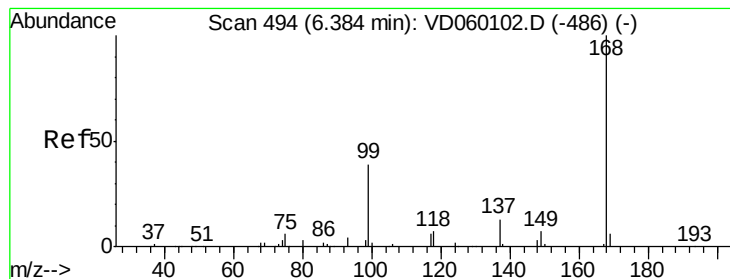
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100518\
Data File : VD060136.D
Acq On : 5 Oct 2018 12:40
Operator : VA/AP
Sample : VD1005SBS01
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MSVOA_D
ClientSampleId :
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Quant Time: Oct 05 23:41:25 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	454961	19.565	ug/l	97
94) Hexachlorobutadiene	14.88	225	305931	19.793	ug/l	98
95) Naphthalene	14.97	128	653807	18.968	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	387148	19.139	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

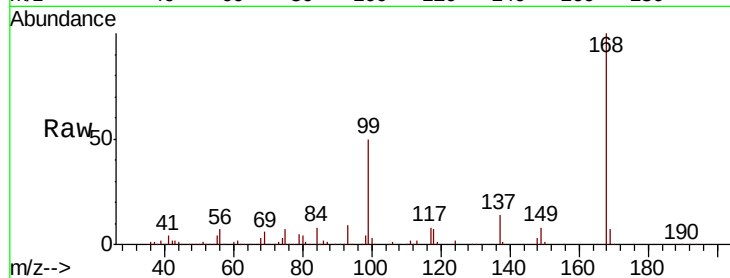
VD1005SBS01

Tgt Ion:168 Resp: 1591586

Ion Ratio Lower Upper

168 100

99 49.9 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

600000

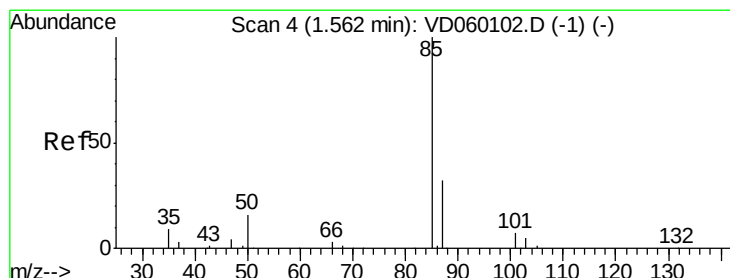
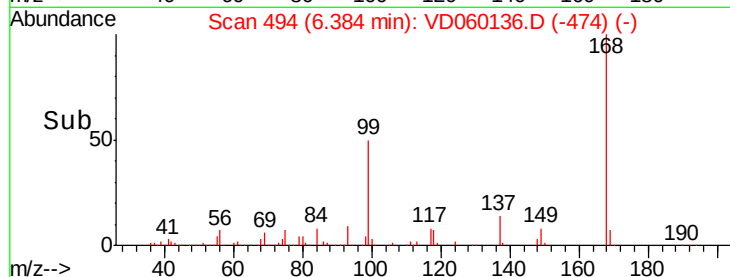
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 18.505 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060136.D

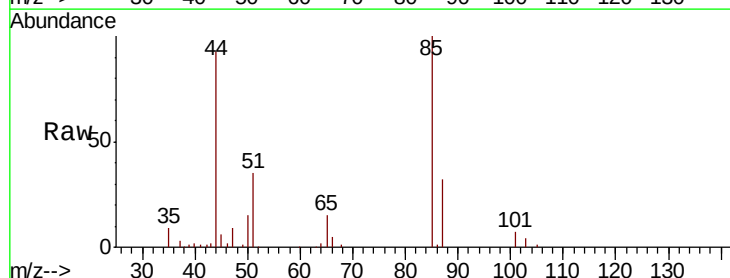
Acq: 5 Oct 2018 12:40

Tgt Ion: 85 Resp: 277052

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

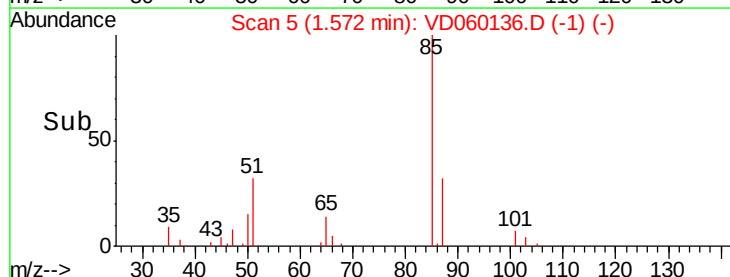
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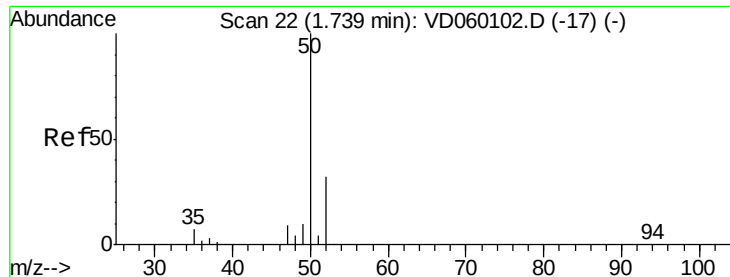
50000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 21.419 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

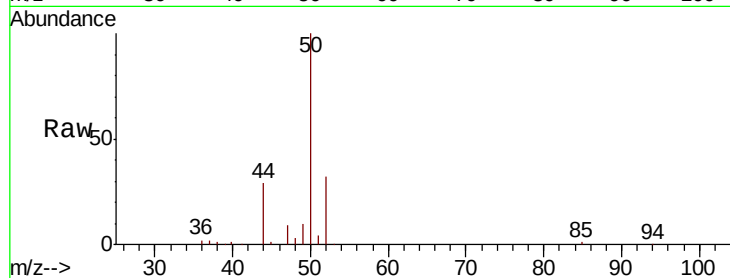
VD1005SBS01

Tgt Ion: 50 Resp: 289156

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

1.74

120000

100000

80000

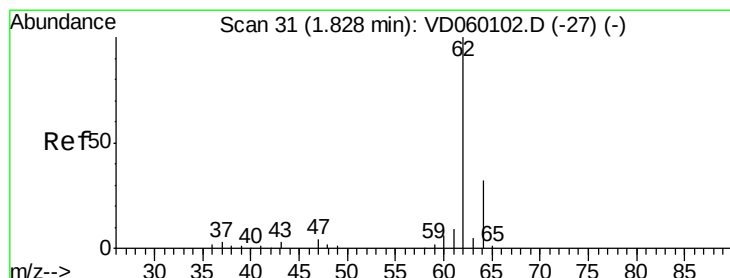
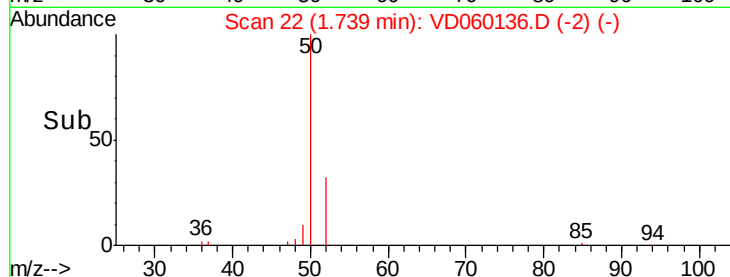
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.047 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060136.D

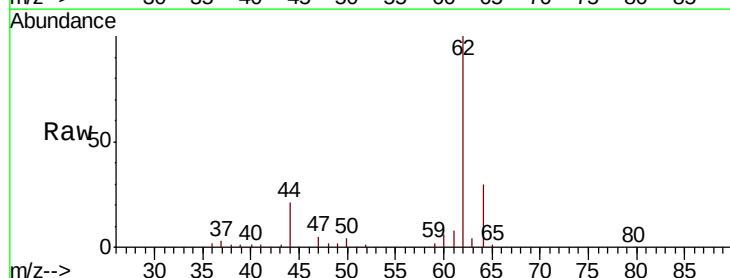
Acq: 5 Oct 2018 12:40

Tgt Ion: 62 Resp: 232534

Ion Ratio Lower Upper

62 100

64 29.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

120000

100000

80000

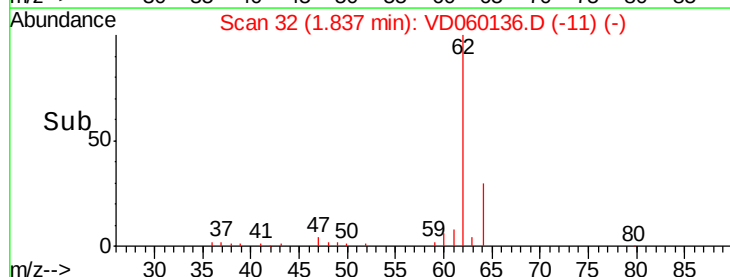
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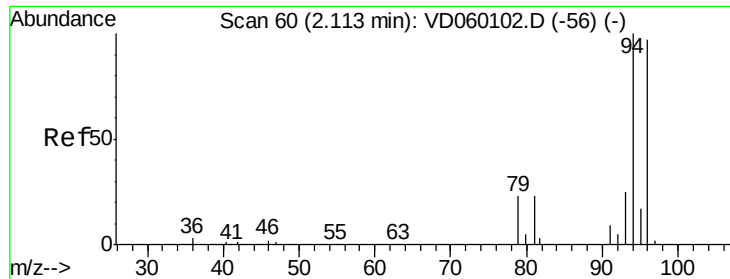
40000

20000

0

Time-->





#5

Bromomethane

Concen: 14.463 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

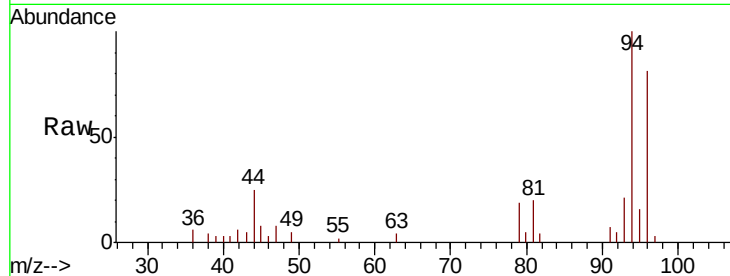
VD1005SBS01

Tgt Ion: 94 Resp: 20064

Ion Ratio Lower Upper

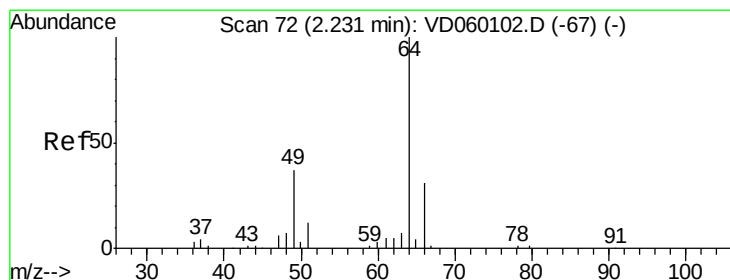
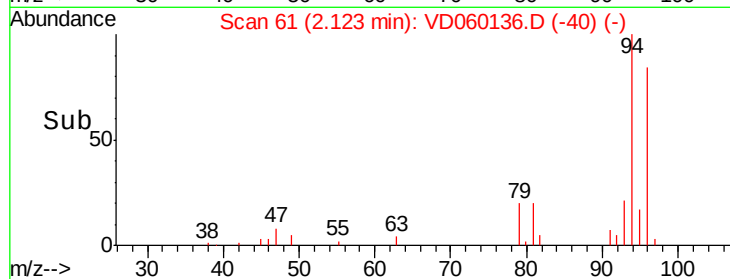
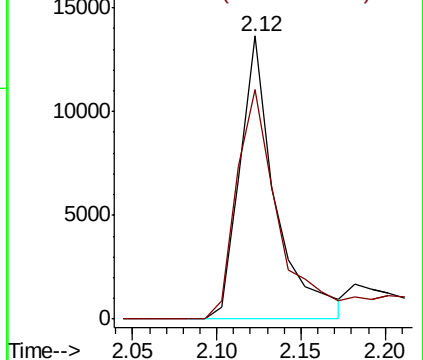
94 100

96 81.2 77.4 116.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.363 ug/l

RT: 2.23 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060136.D

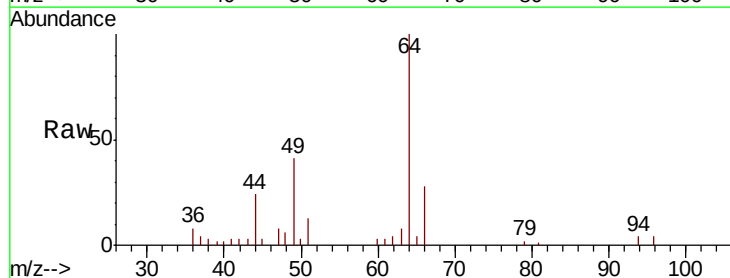
Acq: 5 Oct 2018 12:40

Tgt Ion: 64 Resp: 55362

Ion Ratio Lower Upper

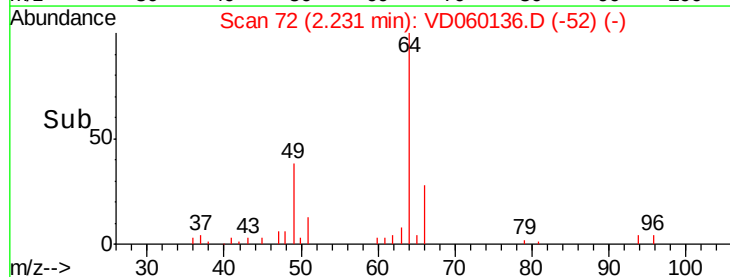
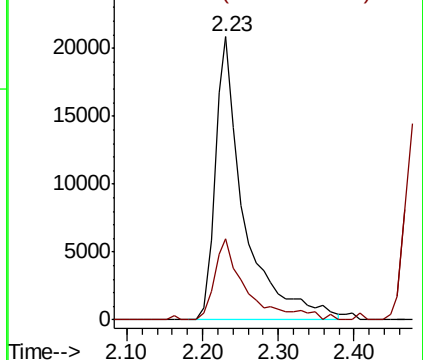
64 100

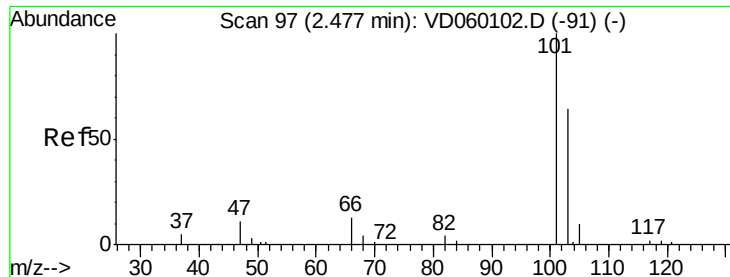
66 28.4 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 20.129 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

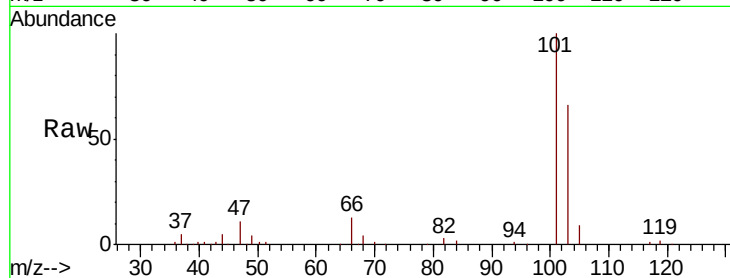
VD1005SBS01

Tgt Ion:101 Resp: 266279

Ion Ratio Lower Upper

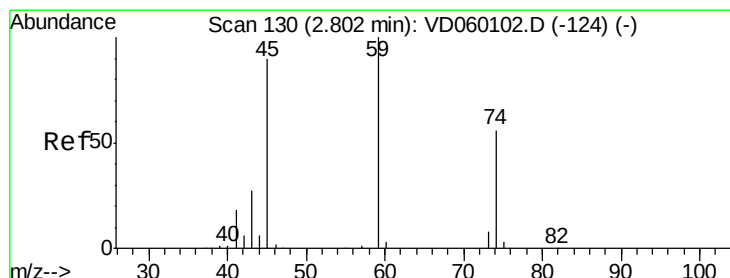
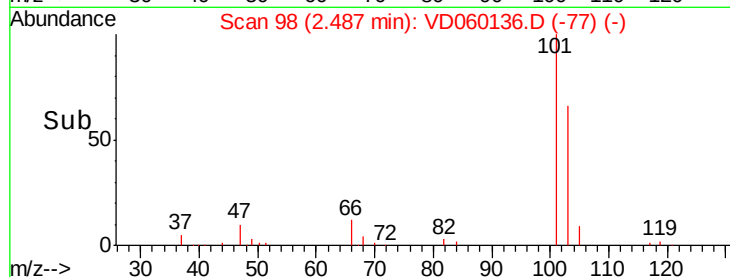
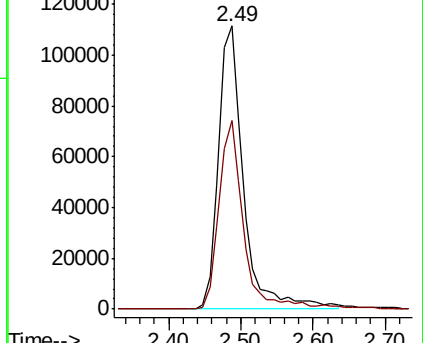
101 100

103 66.5 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: 21.445 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060136.D

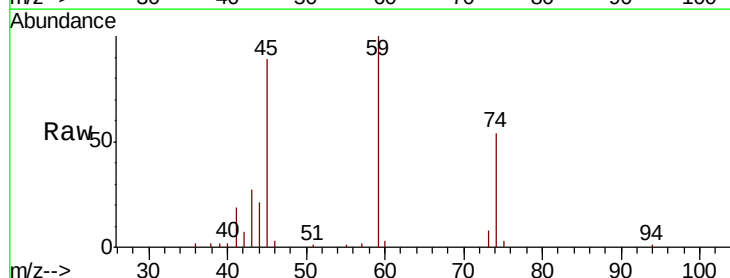
Acq: 5 Oct 2018 12:40

Tgt Ion: 74 Resp: 58335

Ion Ratio Lower Upper

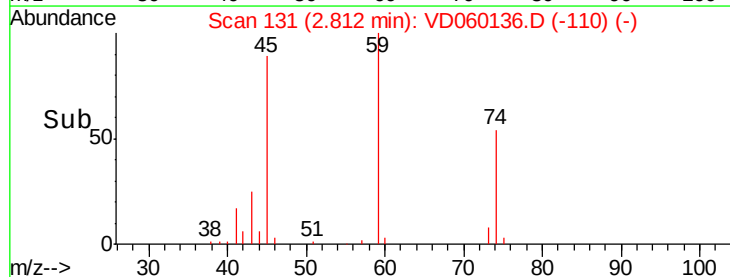
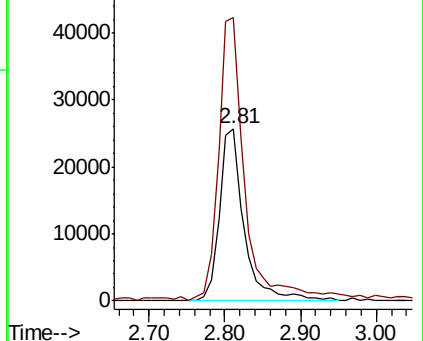
74 100

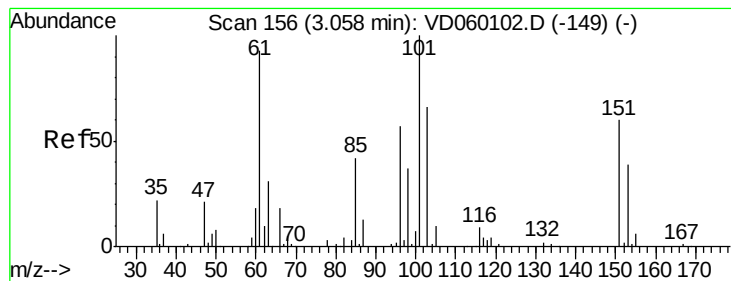
45 164.4 80.3 241.0



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: 21.973 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

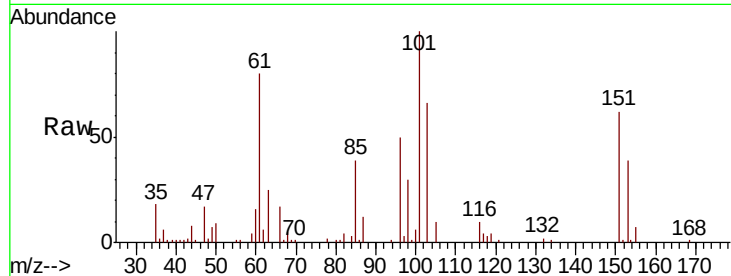
Tgt Ion:101 Resp: 181083

Ion Ratio Lower Upper

101 100

85 38.6 33.4 50.0

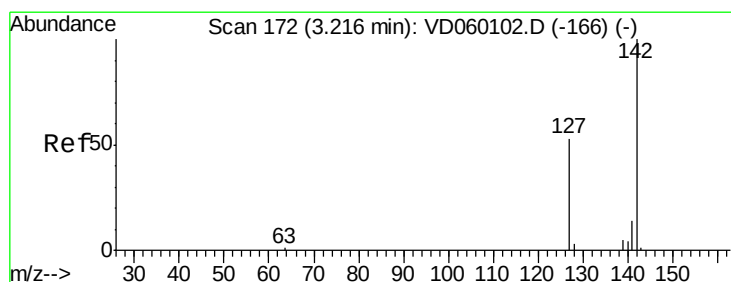
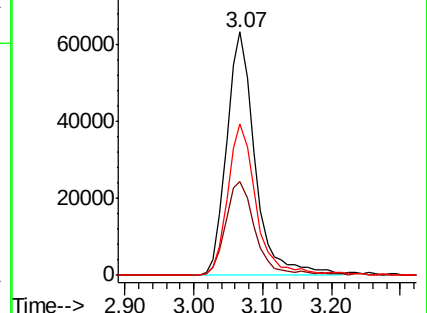
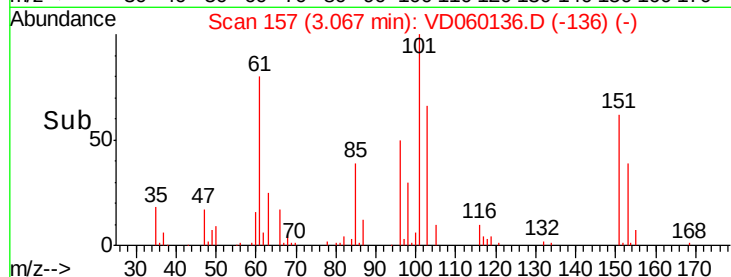
151 62.2 48.0 72.0



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: 16.965 ug/l

RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

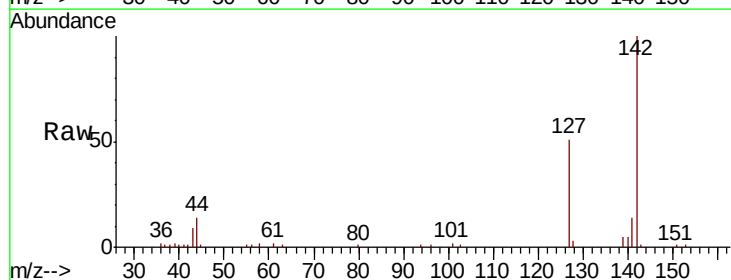
Tgt Ion:142 Resp: 148272

Ion Ratio Lower Upper

142 100

127 50.5 42.0 63.0

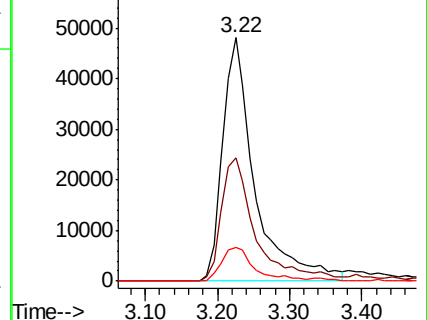
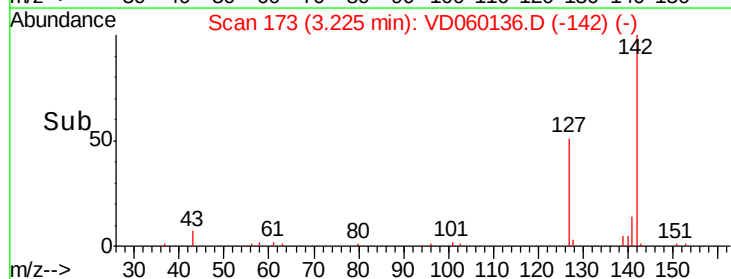
141 13.7 11.4 17.0

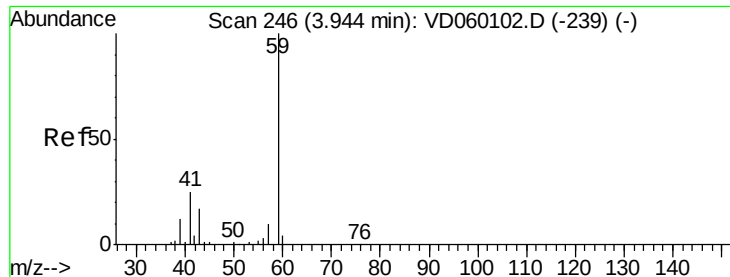


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

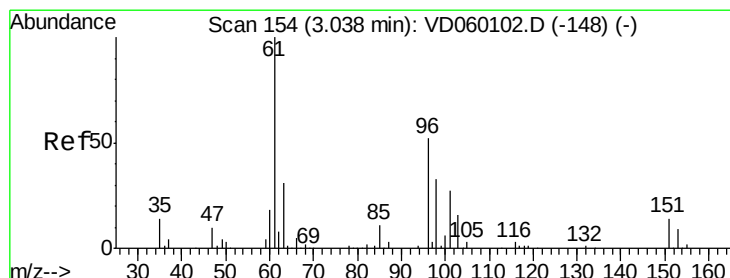
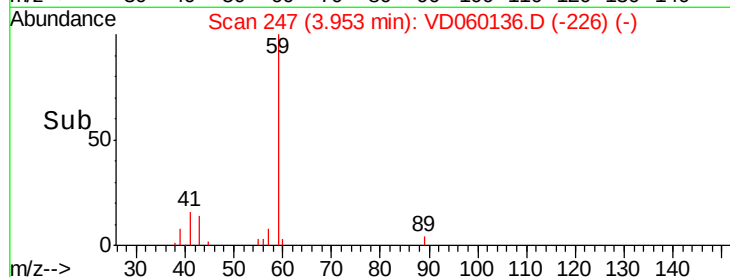
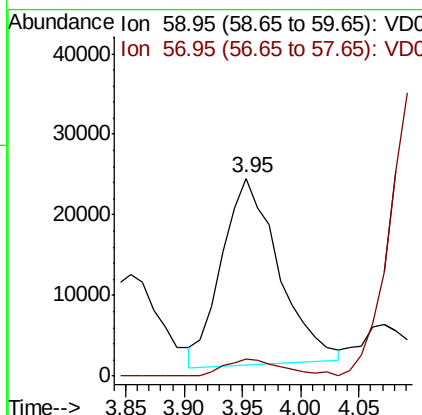
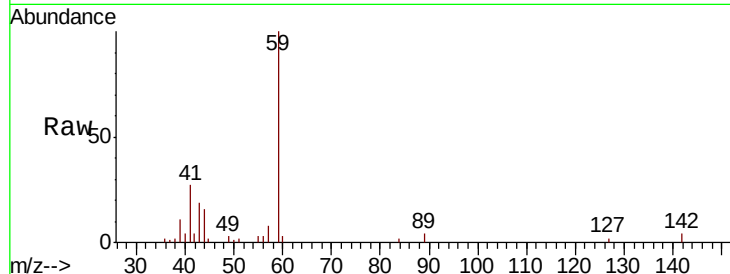




#11
Tert butyl alcohol
Concen: 90.803 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

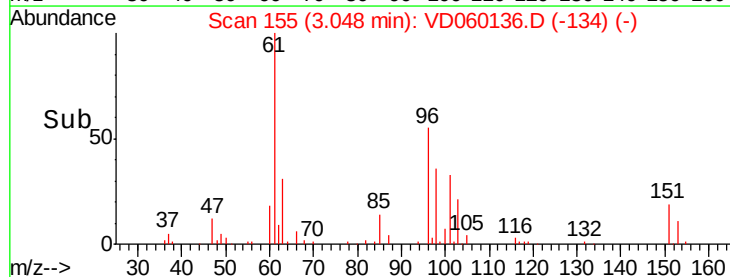
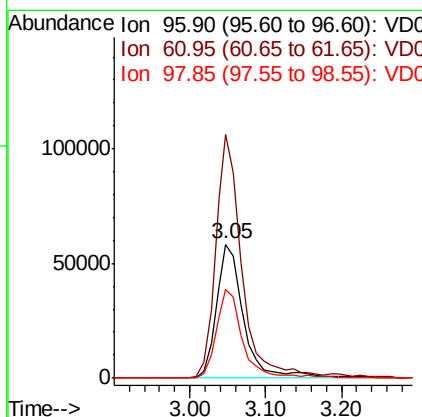
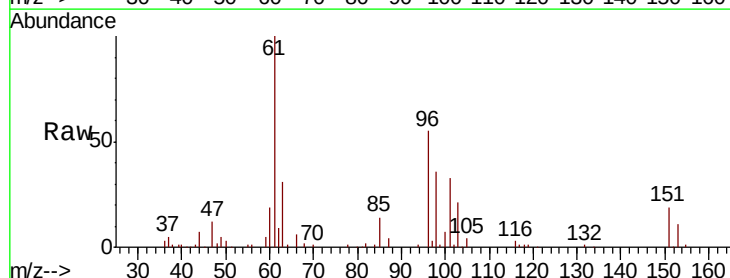
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

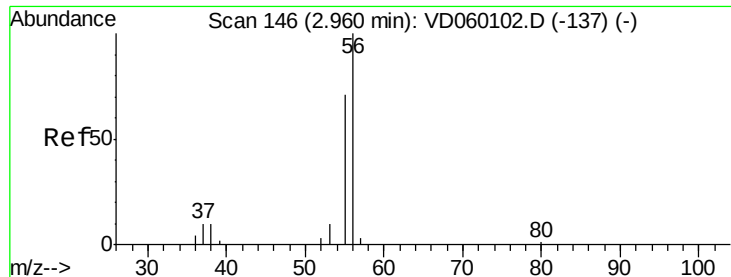
Tgt Ion: 59 Resp: 78567
Ion Ratio Lower Upper
59 100
57 8.4 7.8 11.6



#12
1,1-Dichloroethene
Concen: 22.416 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 96 Resp: 145538
Ion Ratio Lower Upper
96 100
61 181.5 153.0 229.4
98 65.9 51.1 76.7





#13

Acrolein

Concen: 96.997 ug/l

RT: 2.96 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

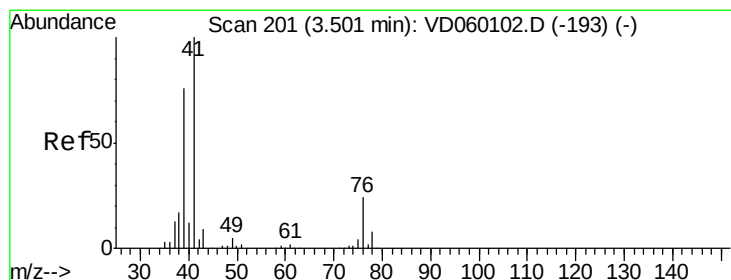
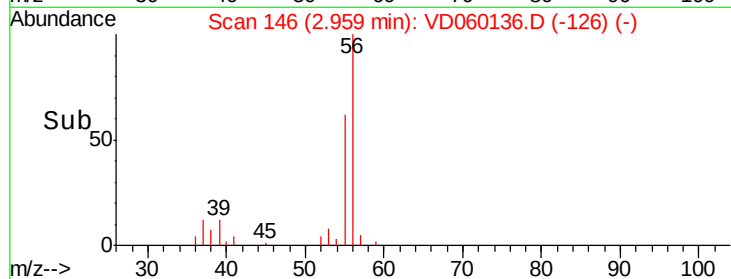
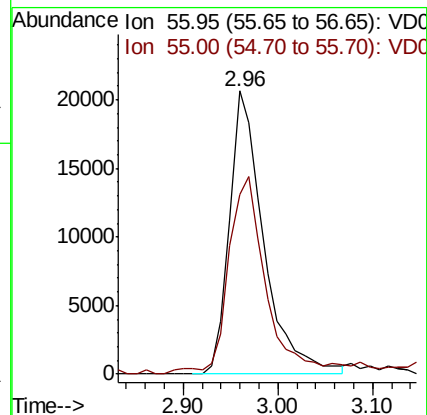
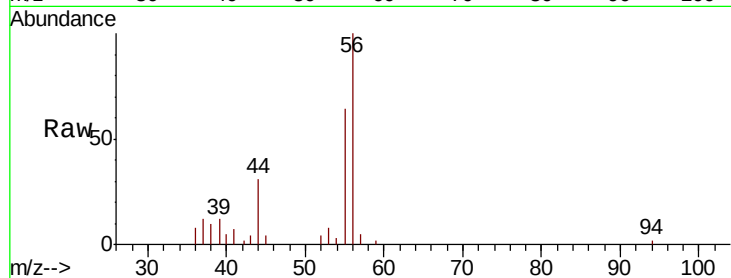
VD1005SBS01

Tgt Ion: 56 Resp: 51736

Ion Ratio Lower Upper

56 100

55 63.6 57.4 86.2



#14

Allyl chloride

Concen: 21.034 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

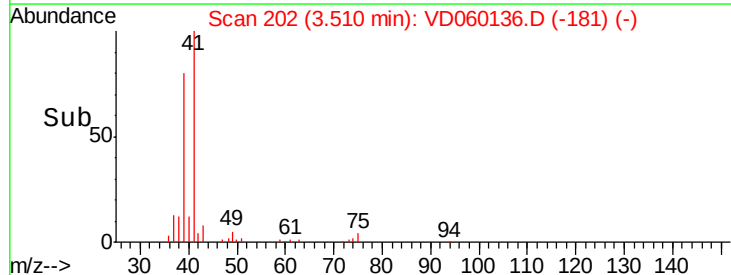
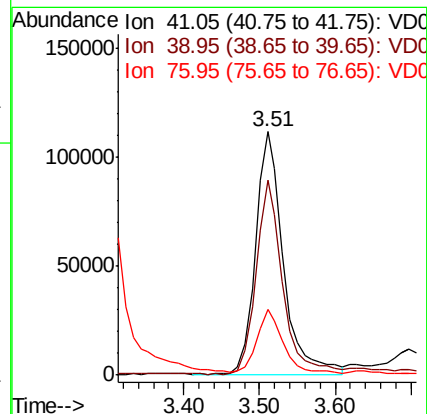
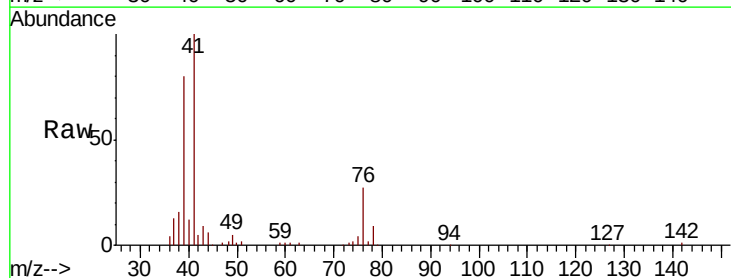
Tgt Ion: 41 Resp: 283632

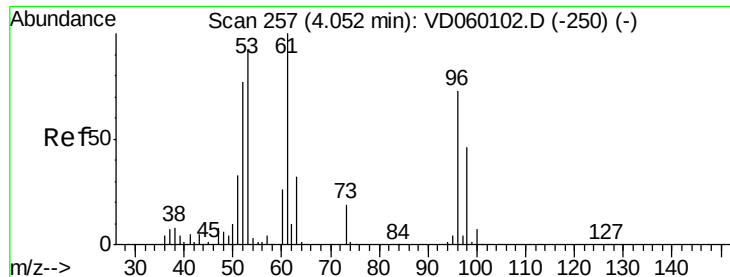
Ion Ratio Lower Upper

41 100

39 80.2 60.6 90.8

76 27.1 21.3 31.9





#15

Acrylonitrile

Concen: 102.996 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

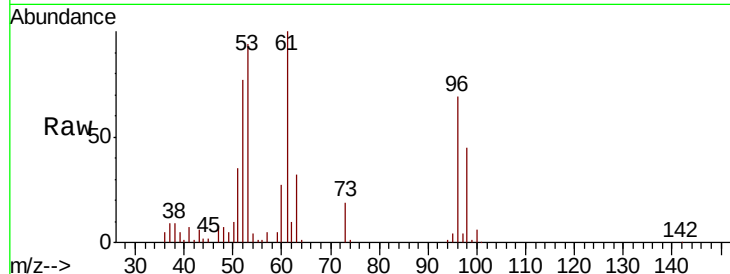
Tgt Ion: 53 Resp: 368867

Ion Ratio Lower Upper

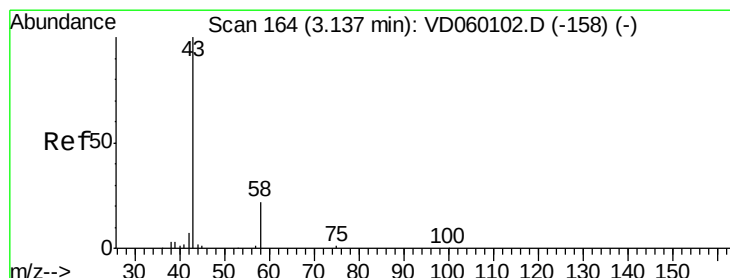
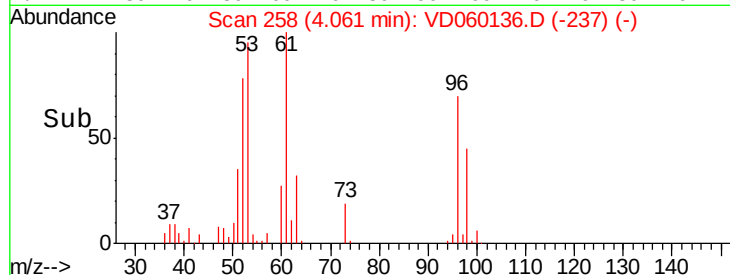
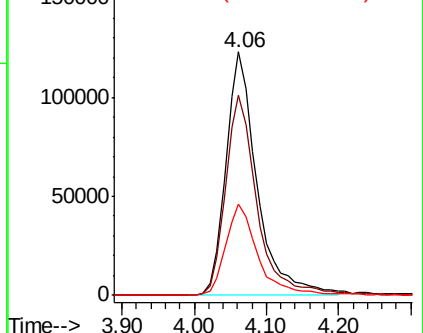
53 100

52 82.0 67.5 101.3

51 37.4 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: 115.613 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD060136.D

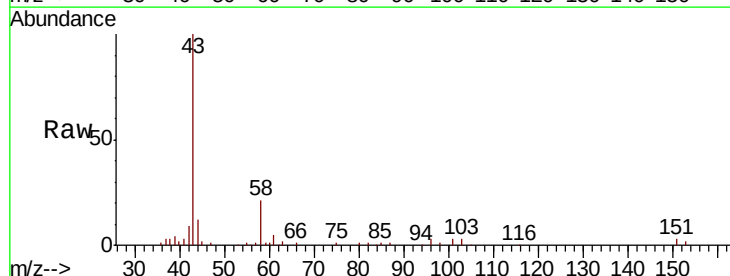
Acq: 5 Oct 2018 12:40

Tgt Ion: 43 Resp: 253092

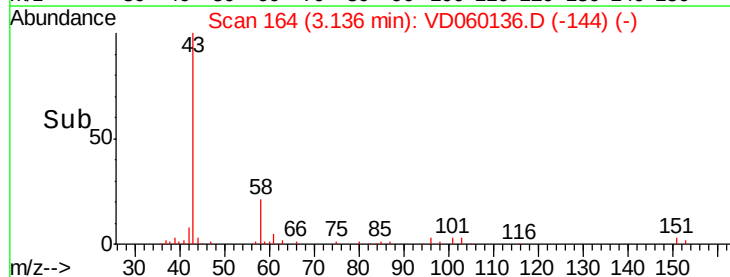
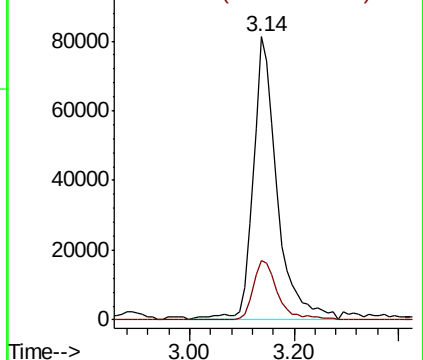
Ion Ratio Lower Upper

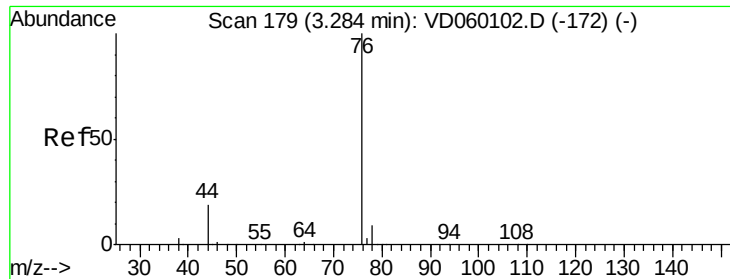
43 100

58 21.1 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: 20.786 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

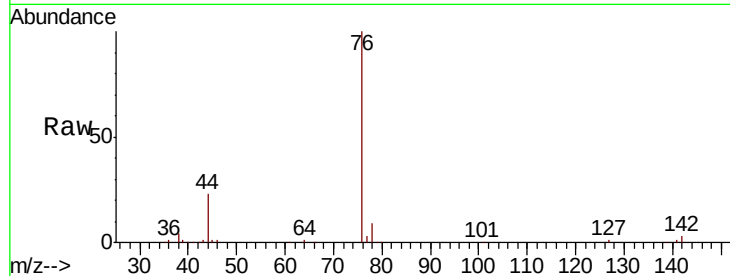
VD1005SBS01

Tgt Ion: 76 Resp: 453831

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

3.29

200000

150000

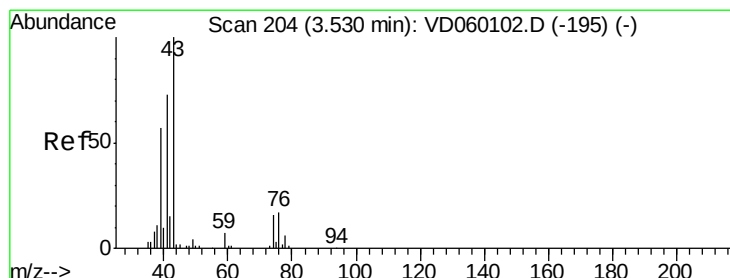
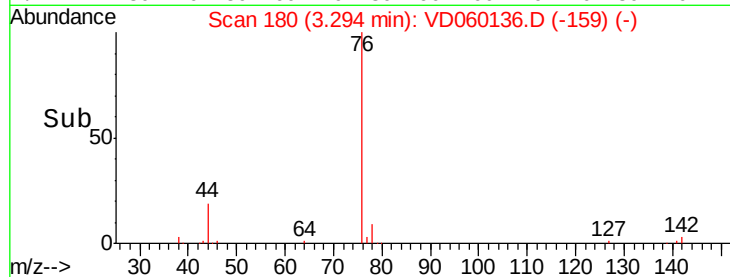
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 18.549 ug/l

RT: 3.53 min Scan# 204

Delta R.T. -0.00 min

Lab File: VD060136.D

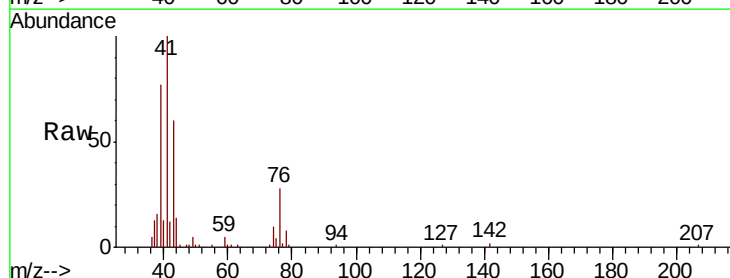
Acq: 5 Oct 2018 12:40

Tgt Ion: 43 Resp: 87275

Ion Ratio Lower Upper

43 100

74 16.0 12.6 19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.53

40000

30000

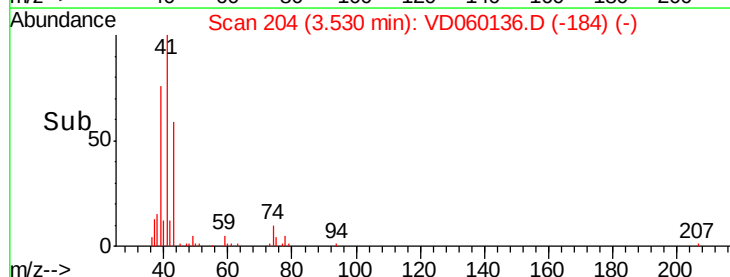
20000

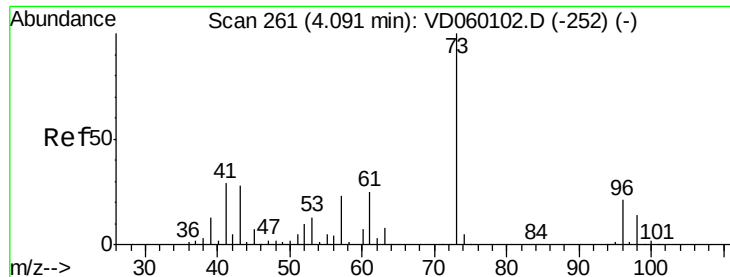
10000

0

3.40 3.50 3.60

Time-->

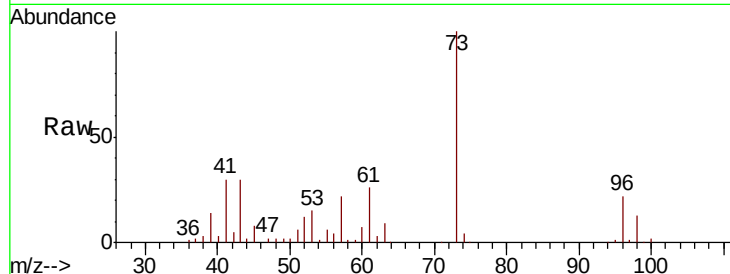




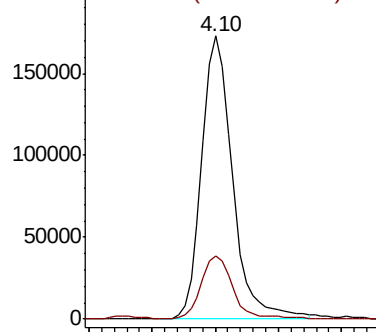
#19
Methyl tert-butyl Ether
Concen: 20.590 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

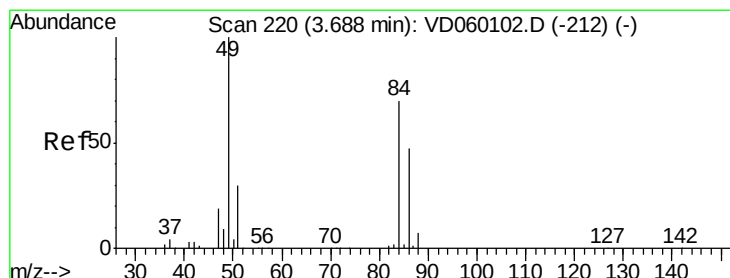
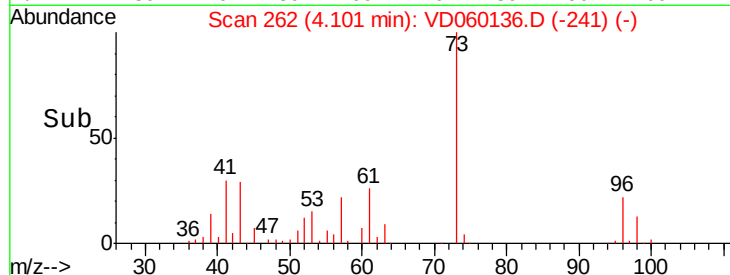
Tgt Ion: 73 Resp: 587771
Ion Ratio Lower Upper
73 100
57 22.3 18.7 28.1



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

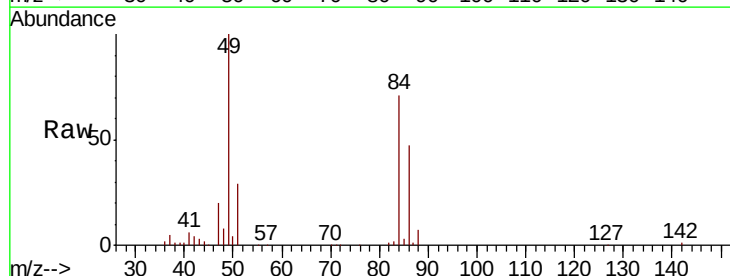


Time-->

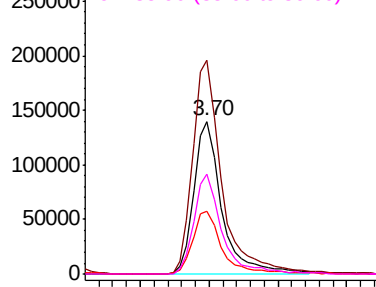


#20
Methylene Chloride
Concen: 20.317 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

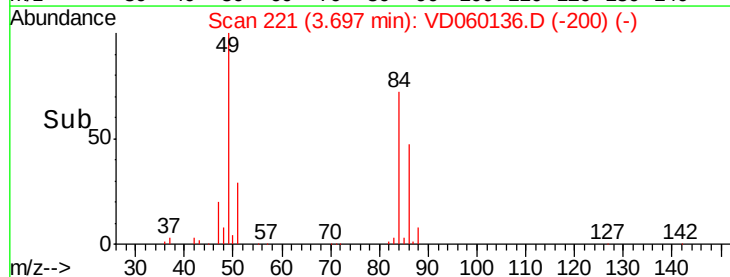
Tgt Ion: 84 Resp: 394086
Ion Ratio Lower Upper
84 100
49 140.1 114.6 172.0
51 41.2 33.8 50.8
86 65.3 53.3 79.9

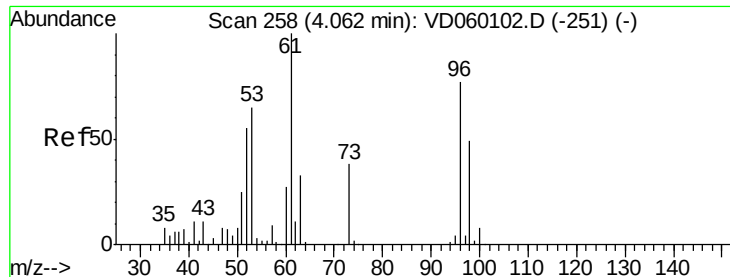


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC



Time-->





#21

trans-1,2-Dichloroethene

Concen: 20.005 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

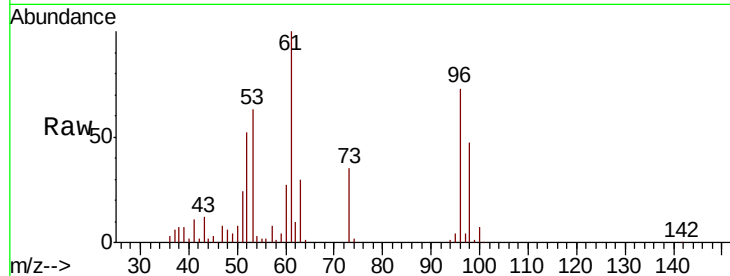
Tgt Ion: 96 Resp: 335440

Ion Ratio Lower Upper

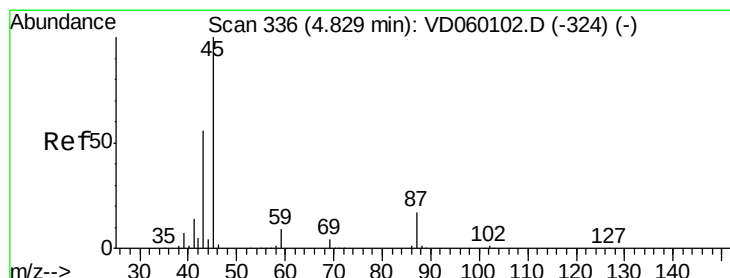
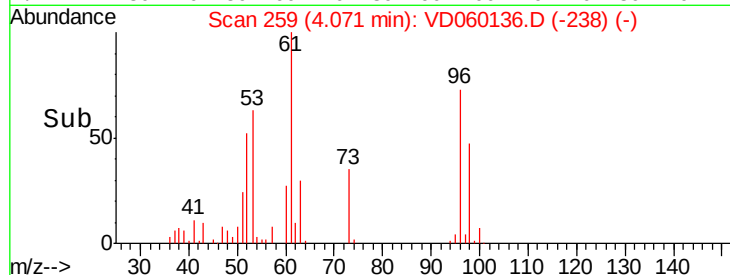
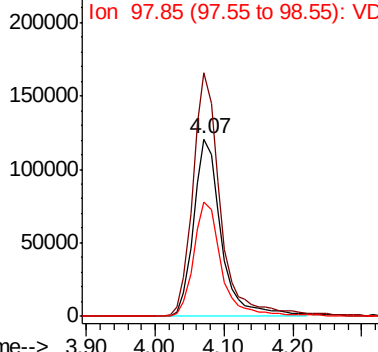
96 100

61 137.5 103.3 154.9

98 64.9 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: 20.728 ug/l

RT: 4.83 min Scan# 336

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Tgt Ion: 45 Resp: 1248274

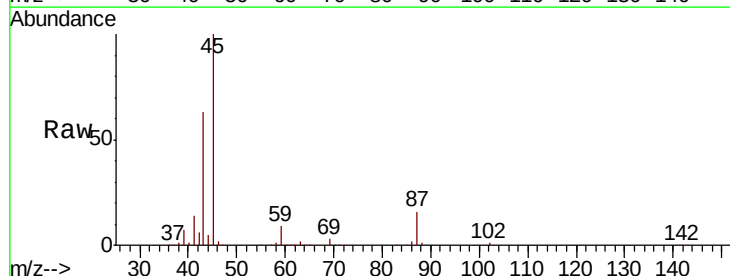
Ion Ratio Lower Upper

45 100

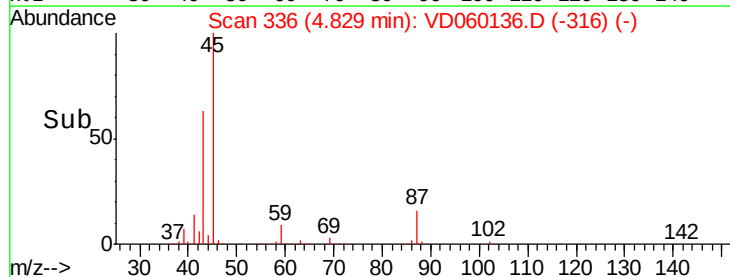
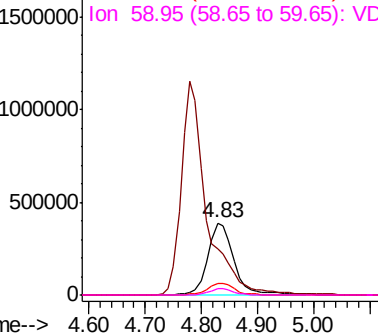
43 63.4 44.8 67.2

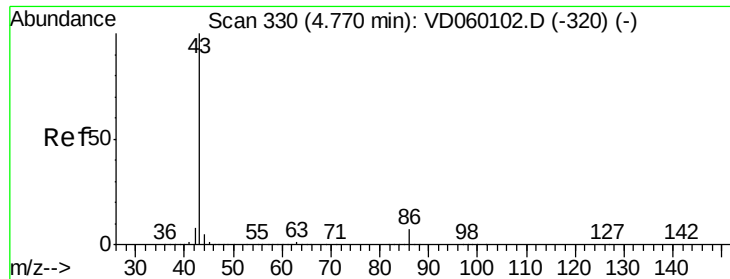
87 16.2 13.9 20.9

59 8.8 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: 106.136 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

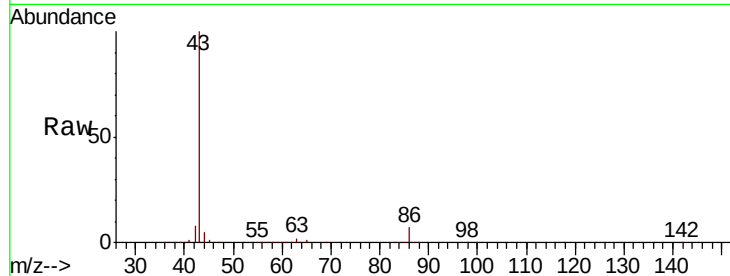
VD1005SBS01

Tgt Ion: 43 Resp: 3592692

Ion Ratio Lower Upper

43 100

86 6.5 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

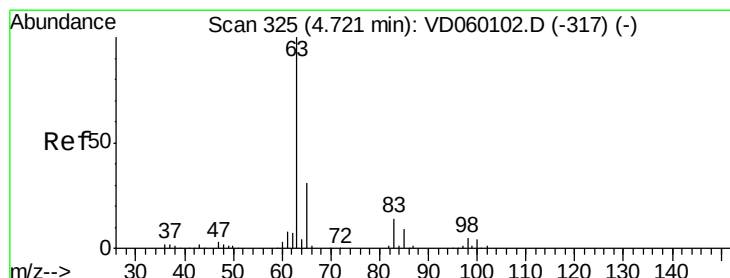
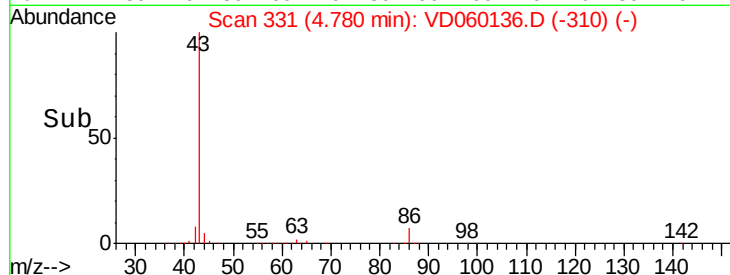
4.78

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.457 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

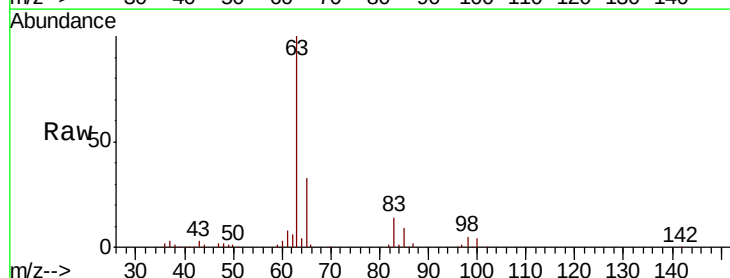
Tgt Ion: 63 Resp: 558560

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

100 3.6 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

250000

200000

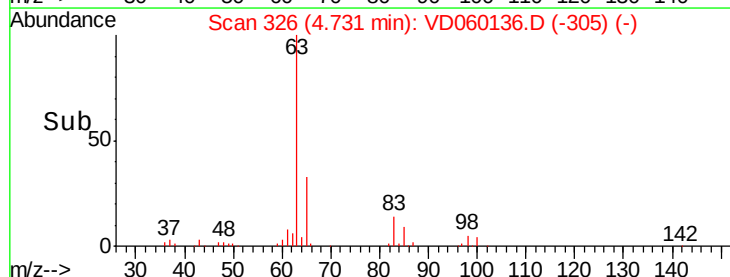
150000

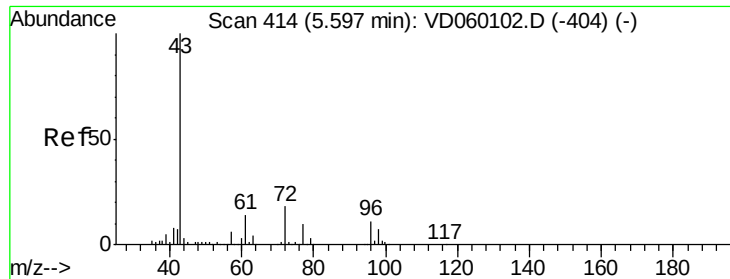
100000

50000

0

Time-->





#25

2-Butanone

Concen: 107.357 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

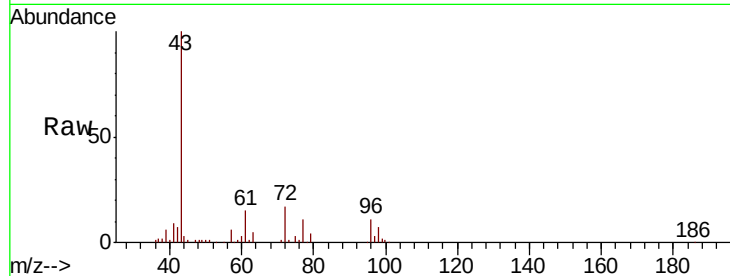
VD1005SBS01

Tgt Ion: 43 Resp: 587138

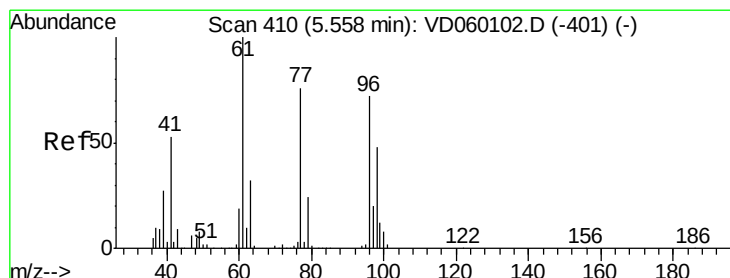
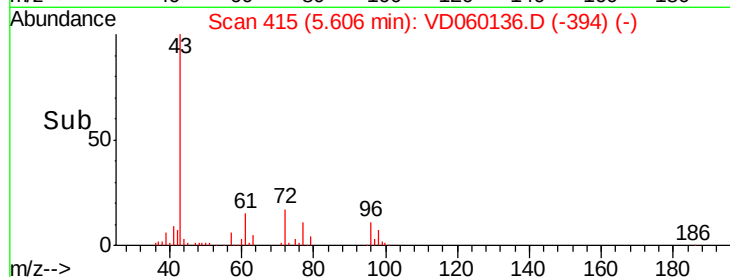
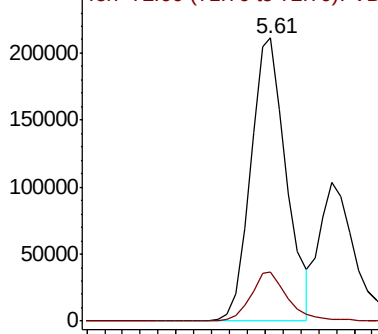
Ion Ratio Lower Upper

43 100

72 17.4 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.594 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060136.D

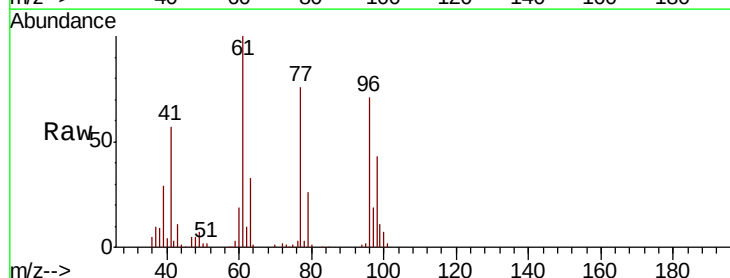
Acq: 5 Oct 2018 12:40

Tgt Ion: 77 Resp: 446970

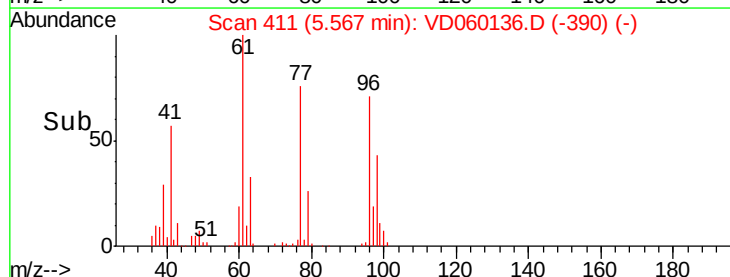
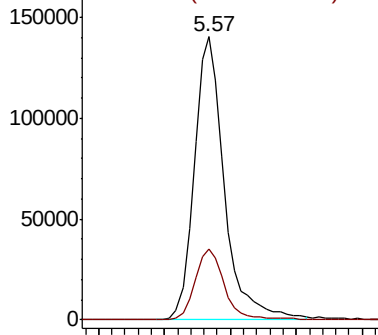
Ion Ratio Lower Upper

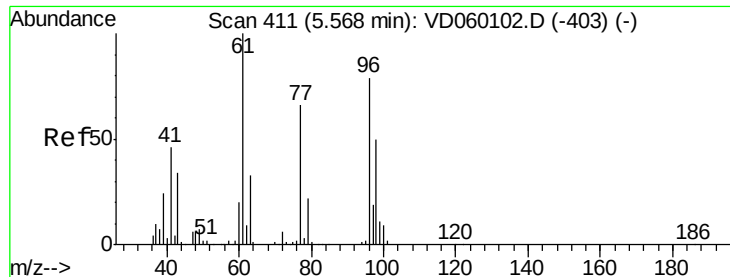
77 100

97 25.2 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



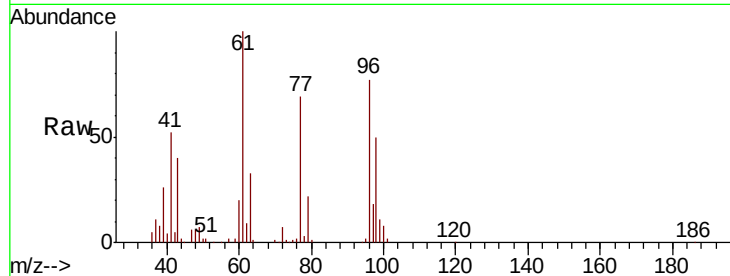


#27

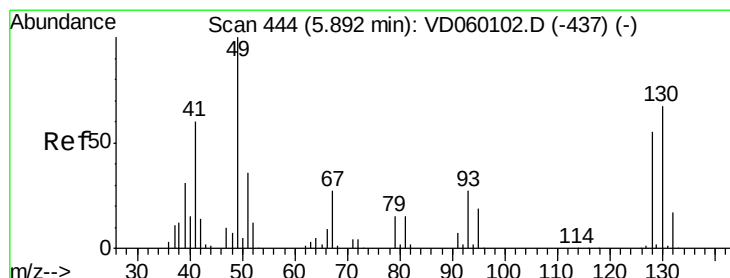
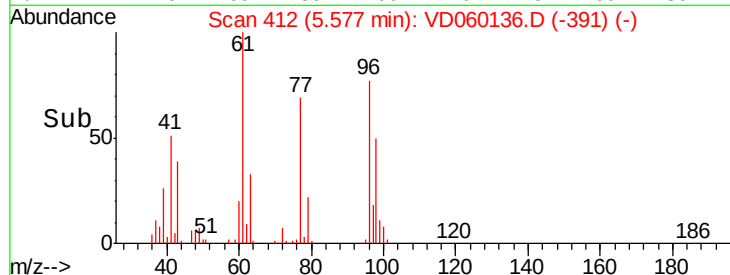
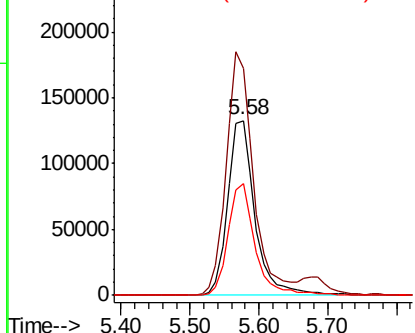
cis-1,2-Dichloroethene
 Concen: 20.388 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tgt Ion: 96 Resp: 362215
 Ion Ratio Lower Upper
 96 100
 61 129.6 0.0 251.8
 98 64.3 0.0 125.2



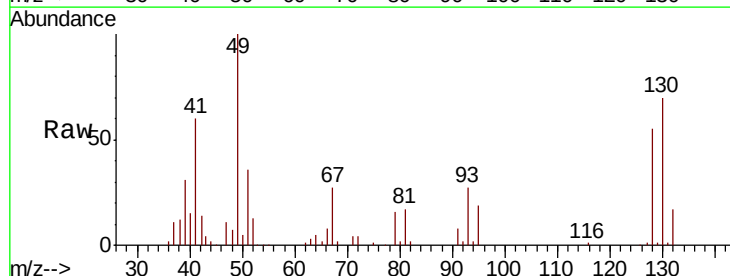
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



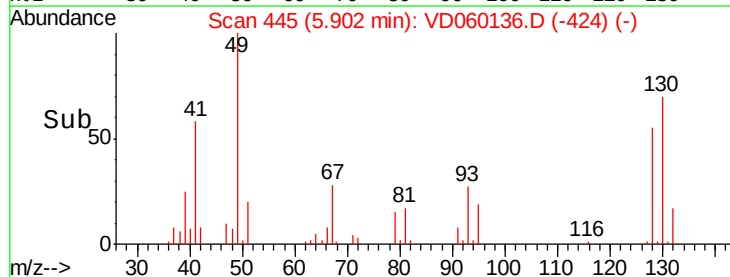
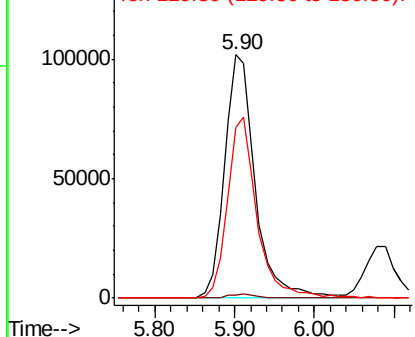
#28

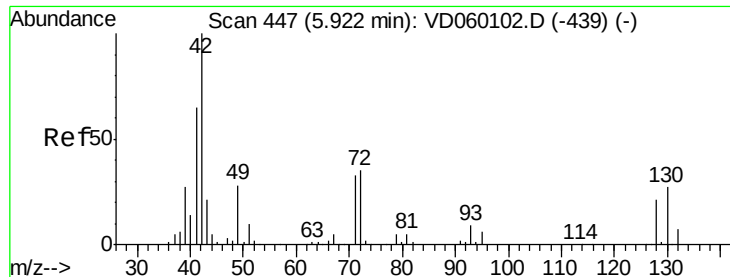
Bromochloromethane
 Concen: 20.580 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 49 Resp: 273069
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 3.6
 130 70.0 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: 96.573 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

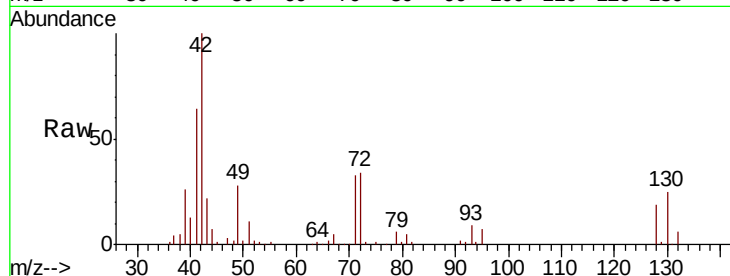
Tgt Ion: 42 Resp: 306781

Ion Ratio Lower Upper

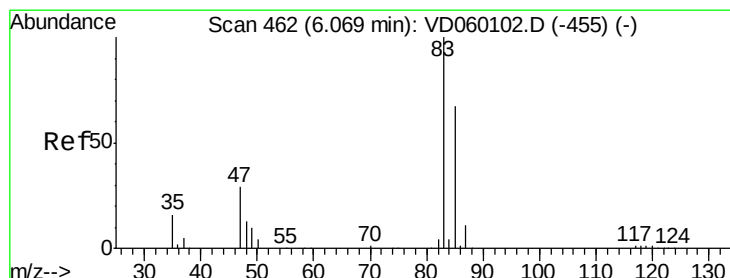
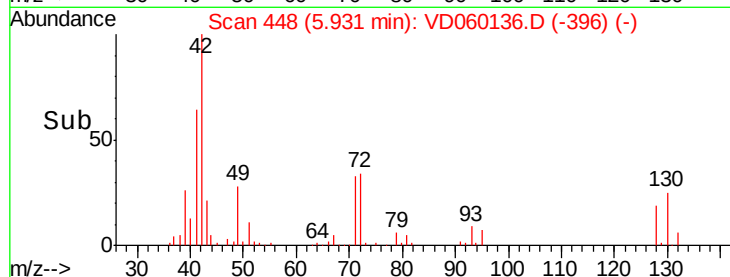
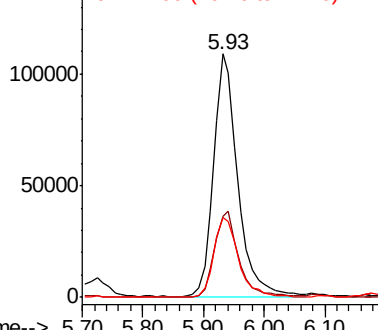
42 100

72 35.0 26.9 40.3

71 33.3 26.7 40.1



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



#30

Chloroform

Concen: 20.751 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060136.D

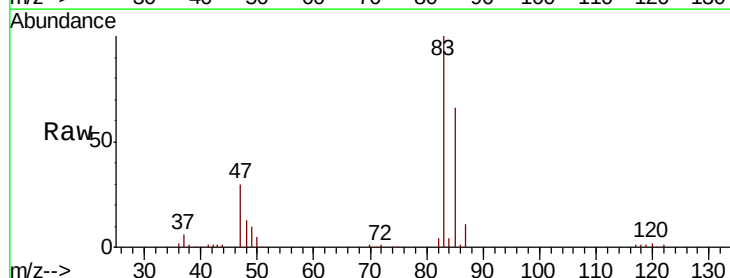
Acq: 5 Oct 2018 12:40

Tgt Ion: 83 Resp: 573122

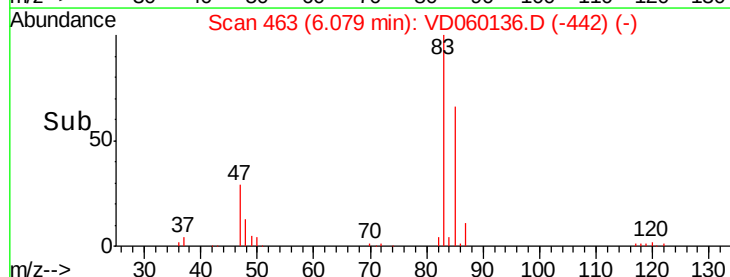
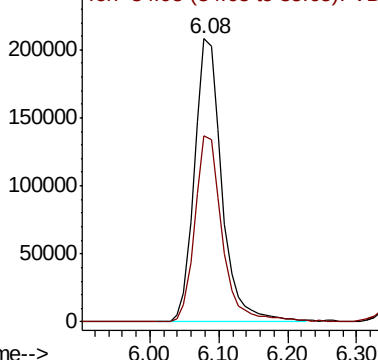
Ion Ratio Lower Upper

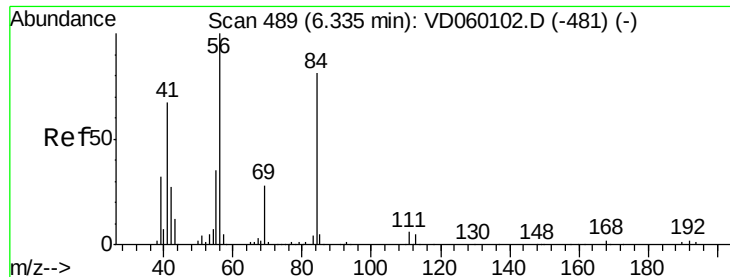
83 100

85 65.7 53.8 80.8



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

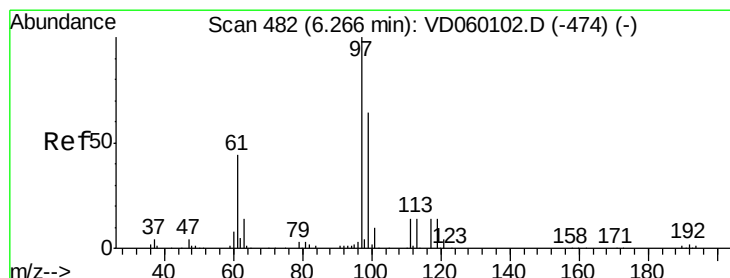
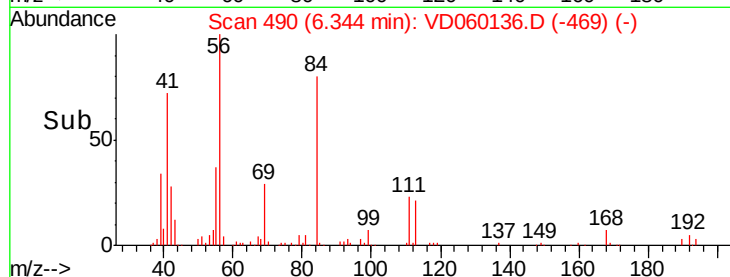
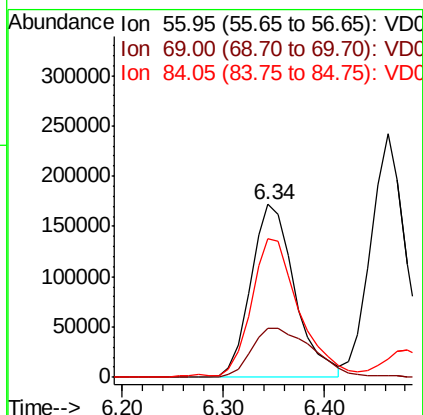
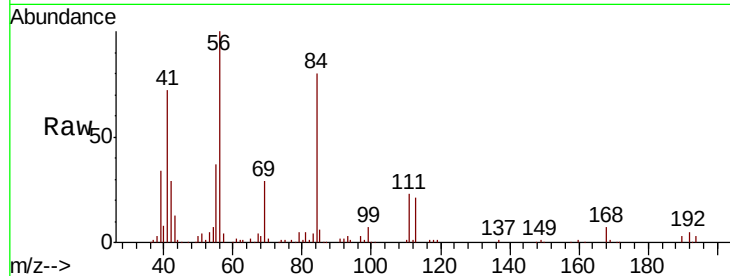




#31
Cyclohexane
Concen: 19.911 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

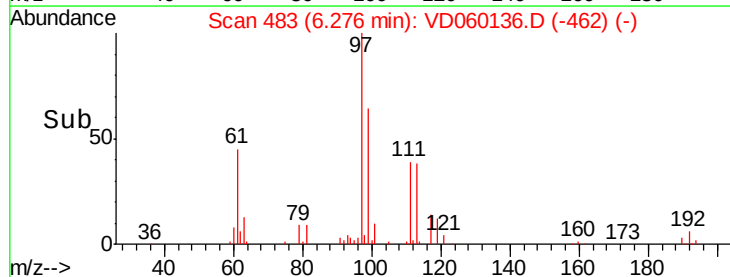
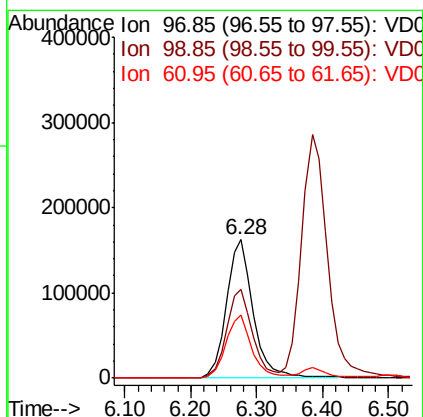
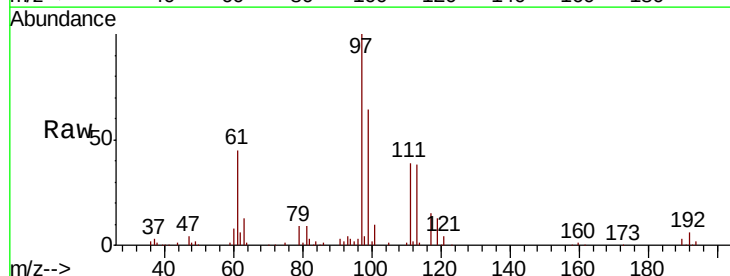
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

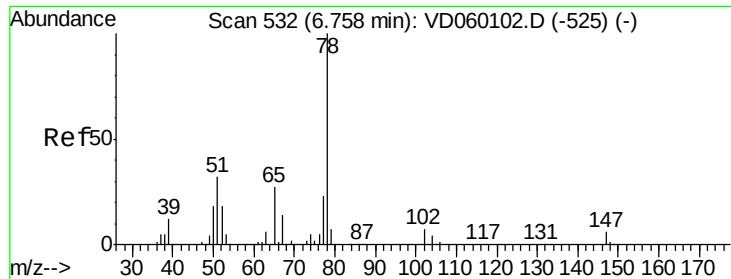
Tgt Ion: 56 Resp: 520424
Ion Ratio Lower Upper
56 100
69 28.6 22.8 34.2
84 80.0 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 20.345 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 97 Resp: 460375
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 45.3 35.5 53.3

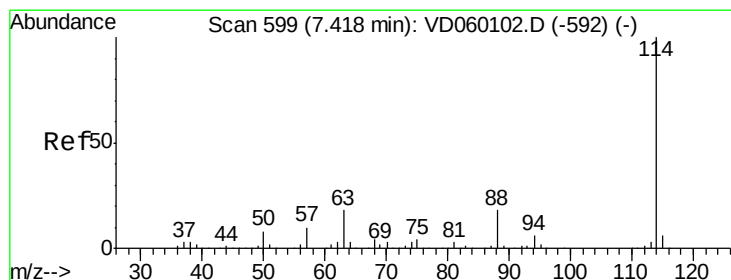
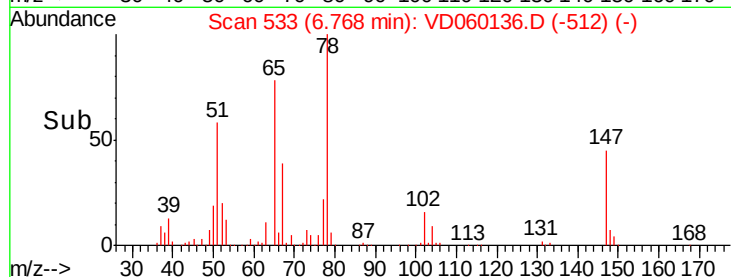
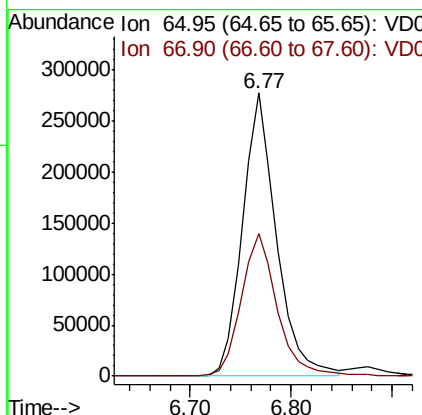
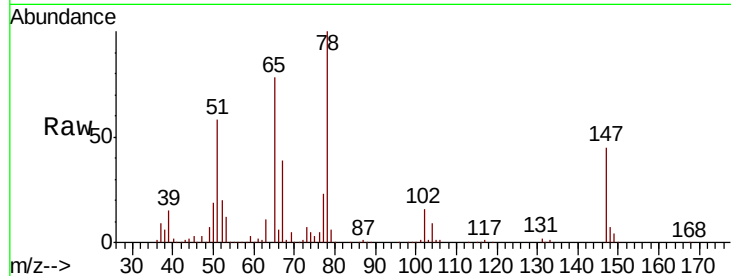




#33
 1,2-Dichloroethane-d4
 Concen: 20.345 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

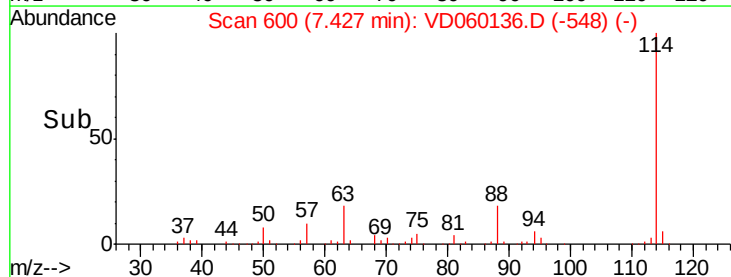
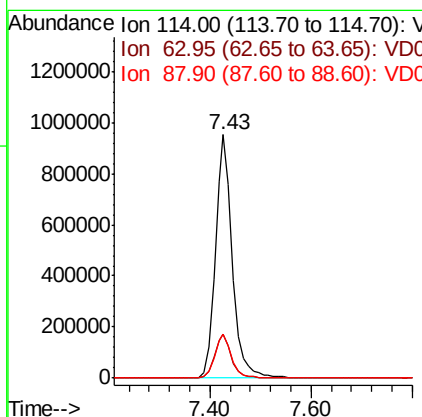
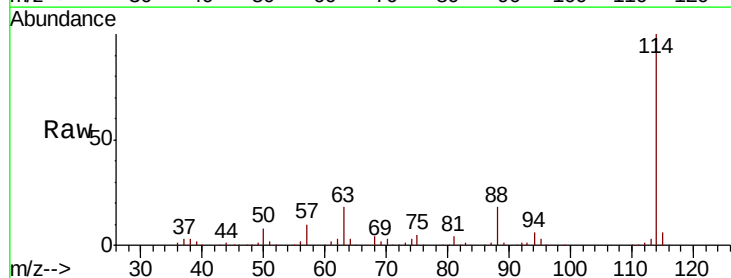
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

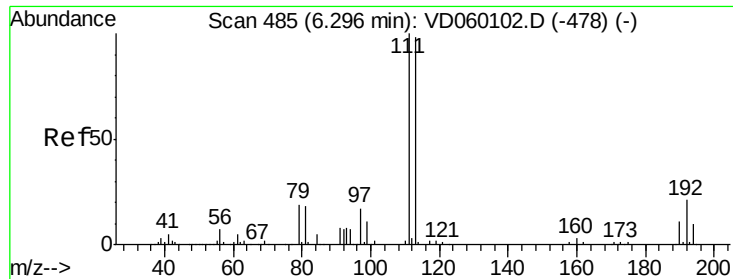
Tgt Ion: 65 Resp: 648430
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 114 Resp: 2241598
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.0
 88 18.3 0.0 36.2

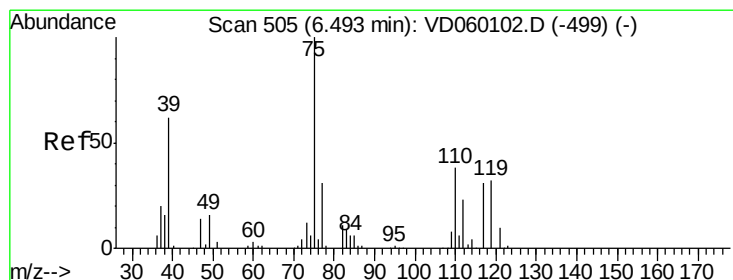
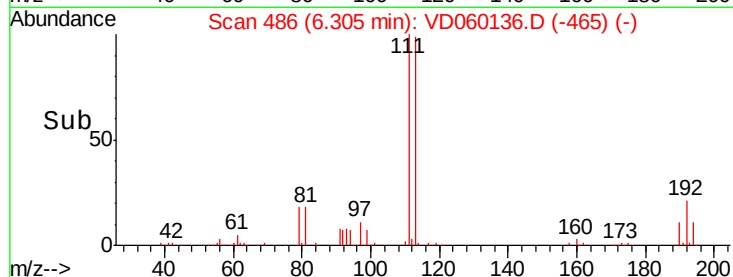
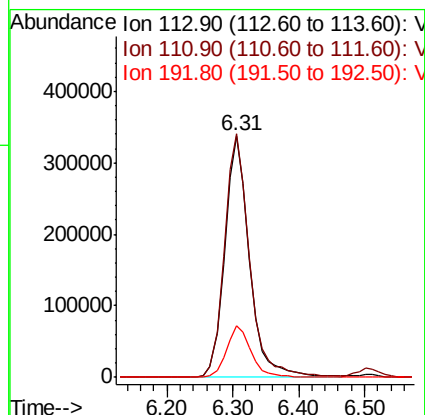
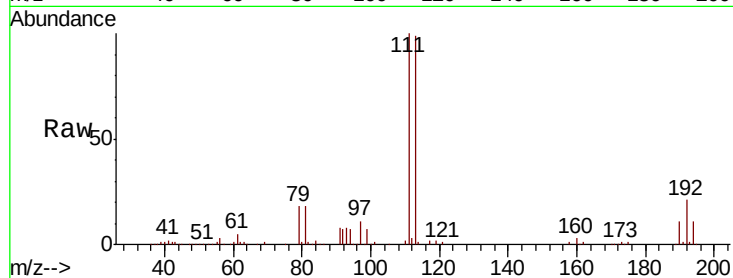




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

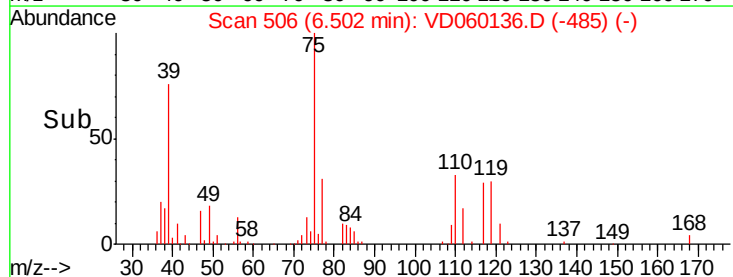
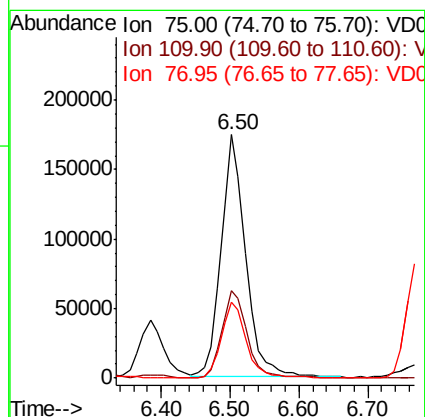
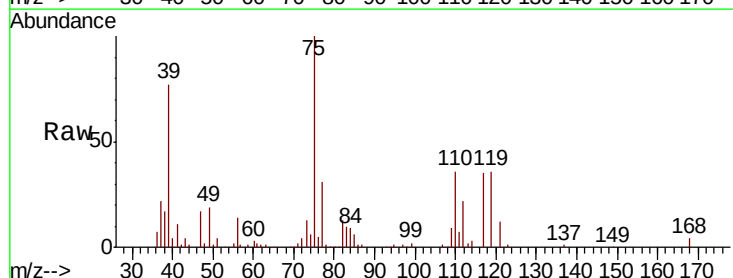
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

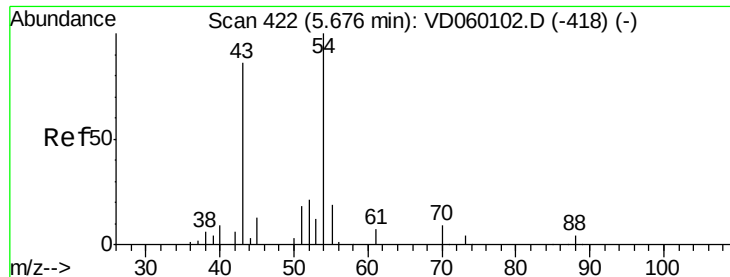
Tgt Ion: 113 Resp: 882533
 Ion Ratio Lower Upper
 113 100
 111 100.9 81.5 122.3
 192 21.2 17.4 26.0



#36
 1,1-Dichloropropene
 Concen: 20.091 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 75 Resp: 430365
 Ion Ratio Lower Upper
 75 100
 110 35.7 19.0 57.0
 77 31.3 24.9 37.3

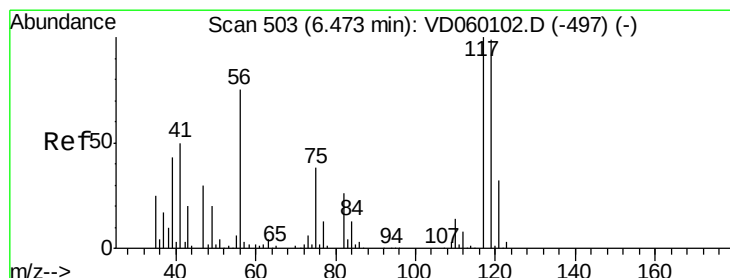
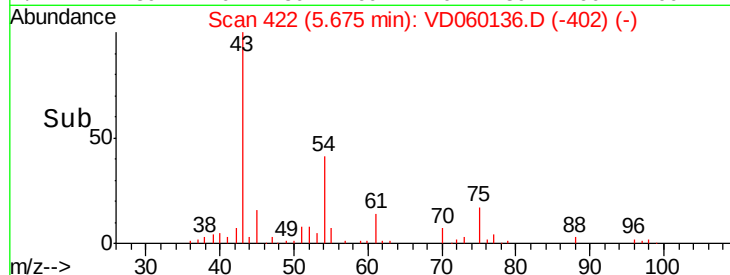
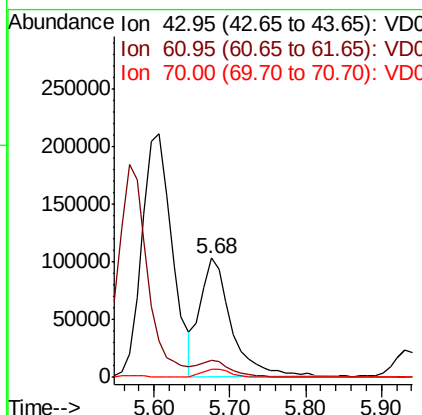
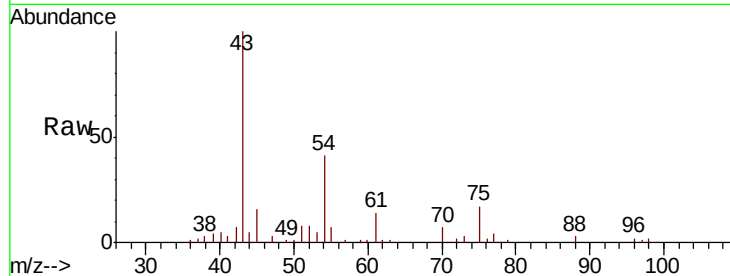




#37
 Ethyl Acetate
 Concen: 20.434 ug/l
 RT: 5.68 min Scan# 422
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

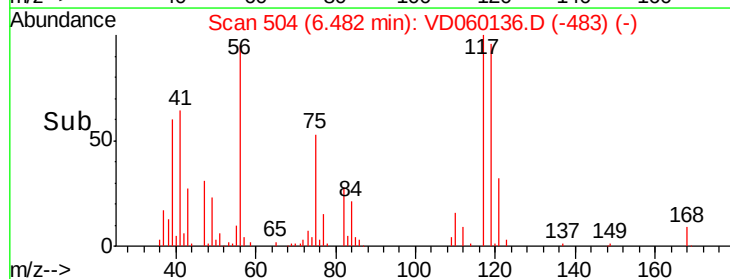
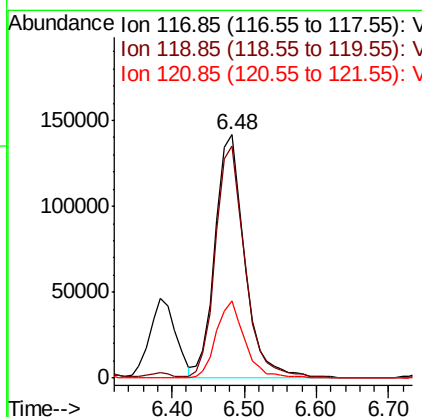
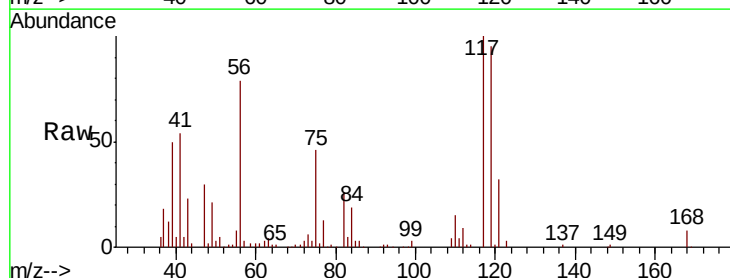
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

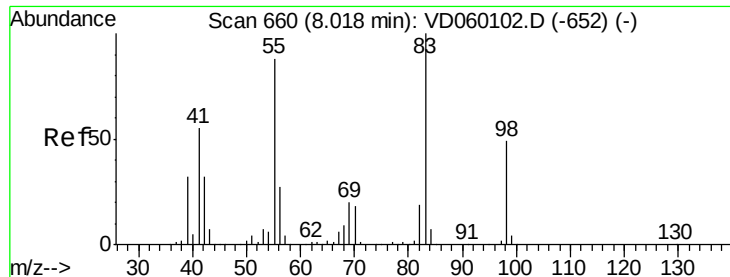
Tgt Ion: 43 Resp: 290527
 Ion Ratio Lower Upper
 43 100
 61 14.0 10.5 15.7
 70 7.0 6.3 9.5



#38
 Carbon Tetrachloride
 Concen: 20.403 ug/l
 RT: 6.48 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 117 Resp: 396672
 Ion Ratio Lower Upper
 117 100
 119 95.4 77.8 116.6
 121 31.6 24.8 37.2

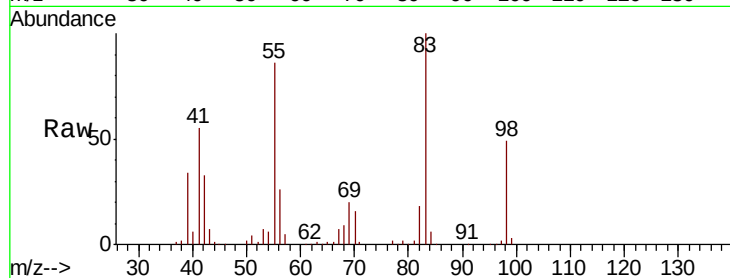




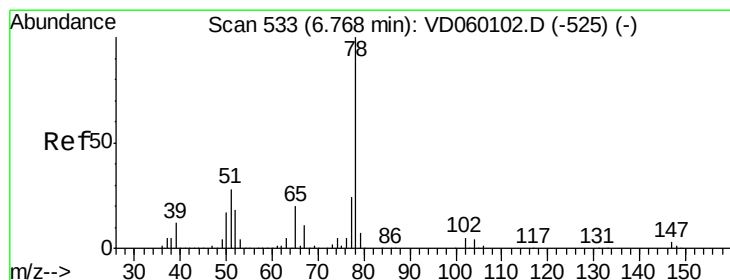
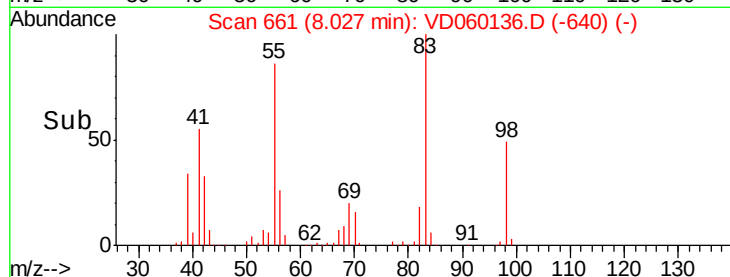
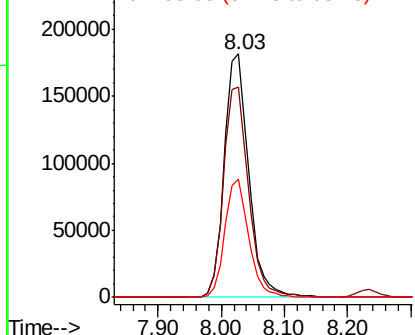
#39
Methylcyclohexane
Concen: 20.139 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tgt Ion: 83 Resp: 490146
Ion Ratio Lower Upper
83 100
55 86.4 70.5 105.7
98 48.6 39.4 59.2

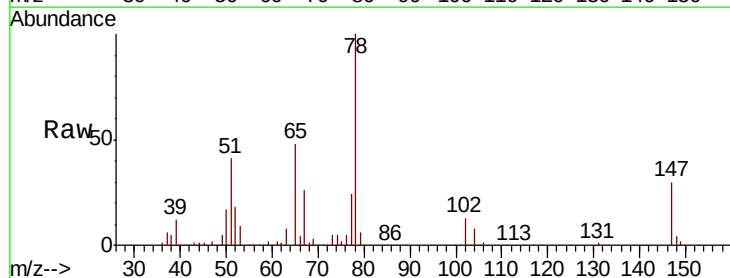


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

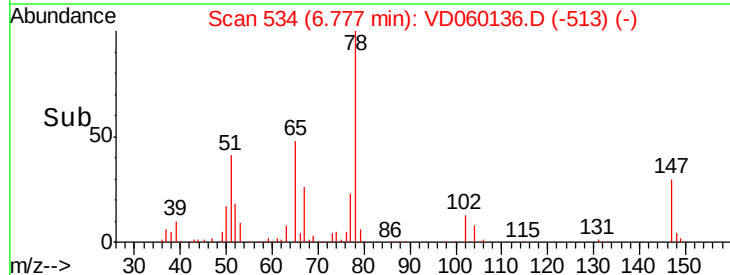
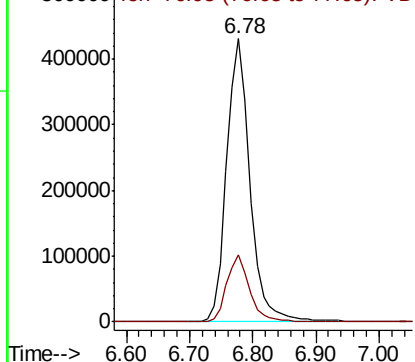


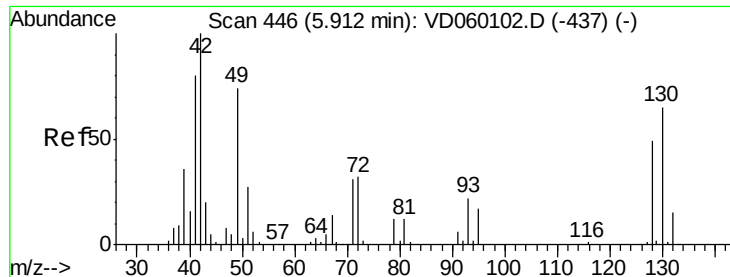
#40
Benzene
Concen: 19.642 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 78 Resp: 1100702
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4



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

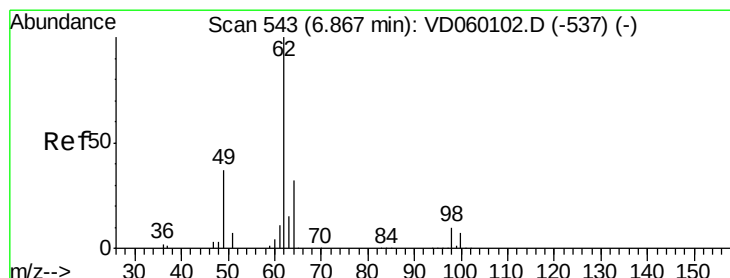
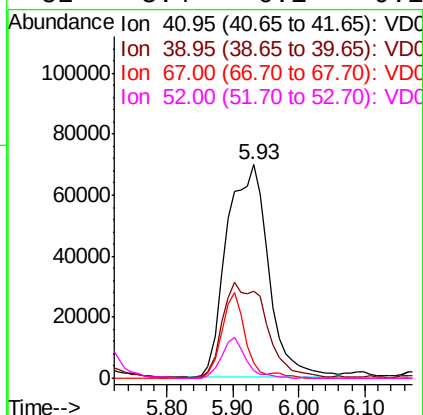
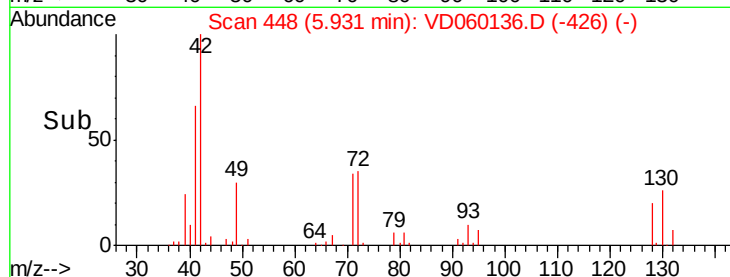
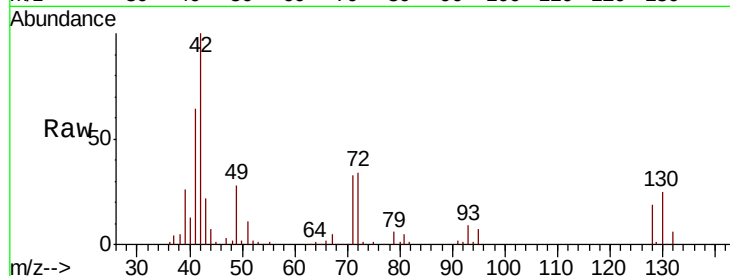




#41
Methacrylonitrile
Concen: 38.547 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.02 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

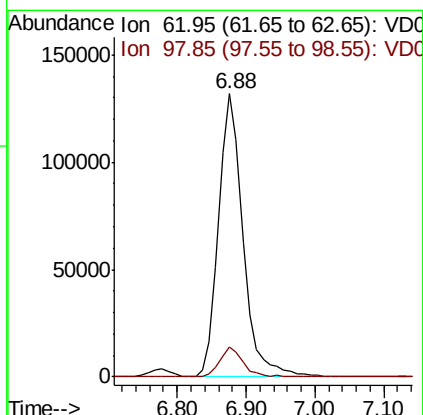
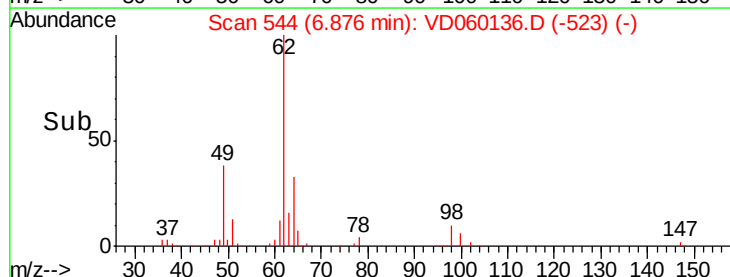
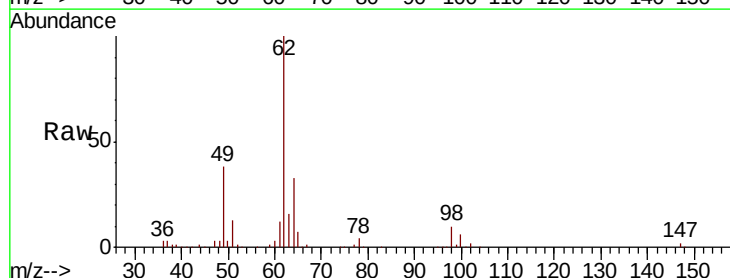
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

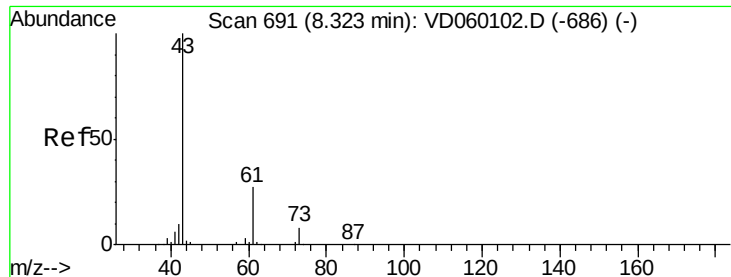
Tgt Ion: 41 Resp: 309781
Ion Ratio Lower Upper
41 100
39 40.7 36.0 54.0
67 7.4 13.9 20.9#
52 3.4 6.1 9.1#



#42
1,2-Dichloroethane
Concen: 20.258 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 62 Resp: 325477
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.237 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

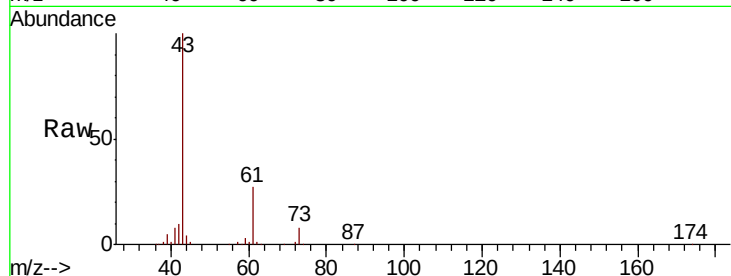
Tgt Ion: 43 Resp: 378542

Ion Ratio Lower Upper

43 100

61 26.7 21.4 32.2

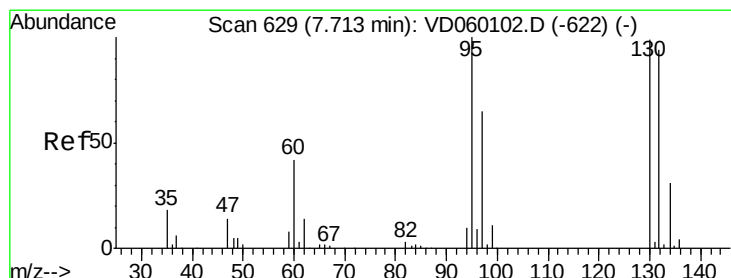
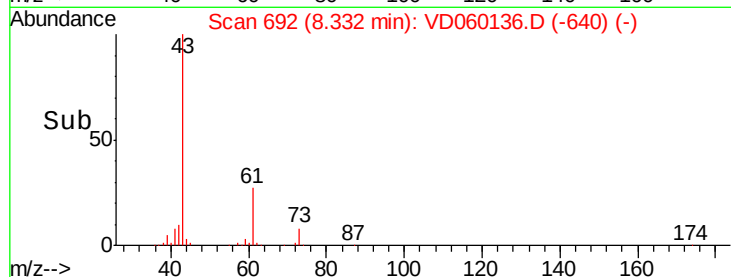
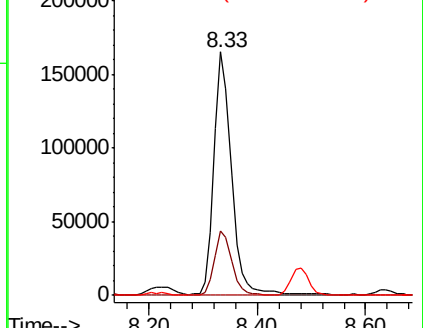
87 0.2 0.2 0.2



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: 19.913 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060136.D

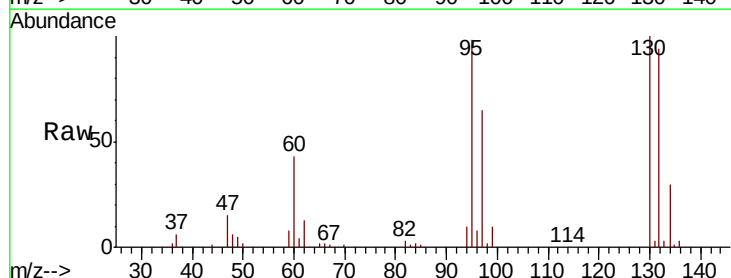
Acq: 5 Oct 2018 12:40

Tgt Ion: 130 Resp: 345434

Ion Ratio Lower Upper

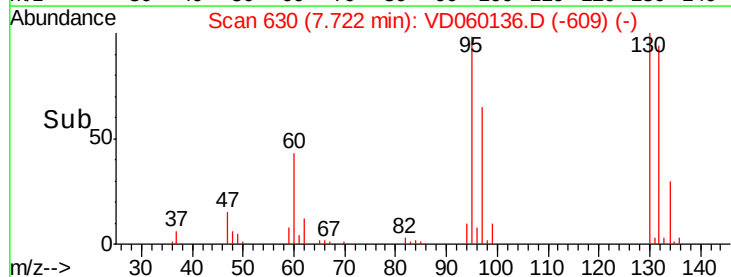
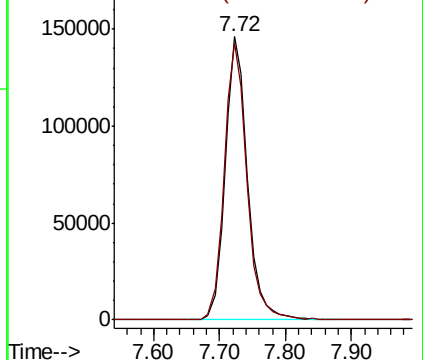
130 100

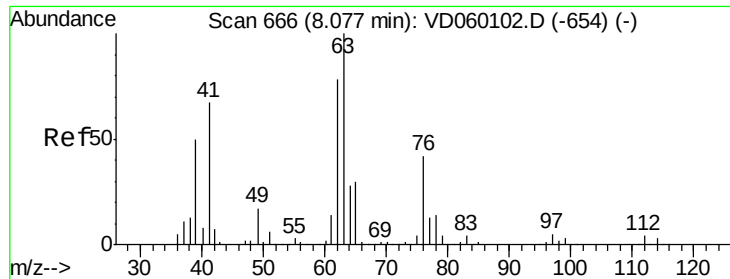
95 98.1 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

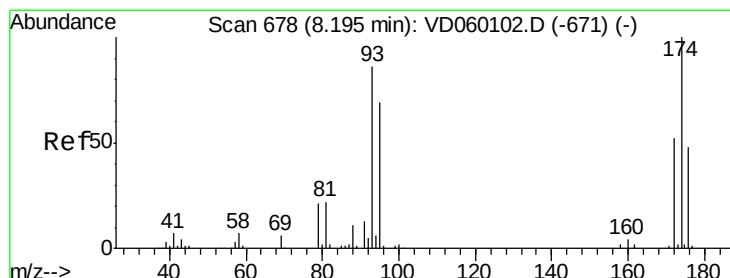
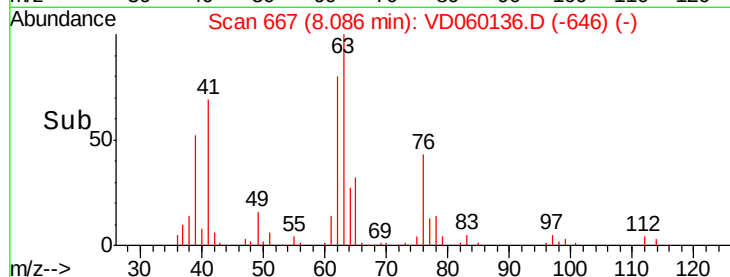
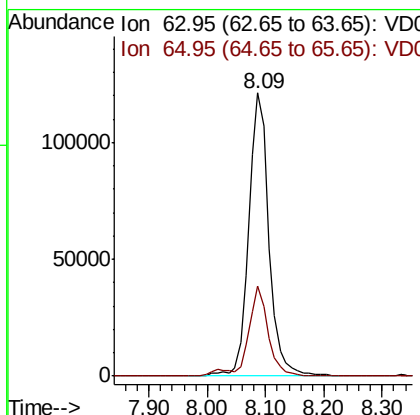
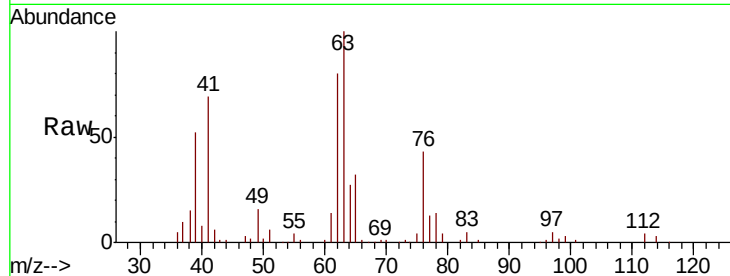




#45
 1,2-Dichloropropane
 Concen: 20.034 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

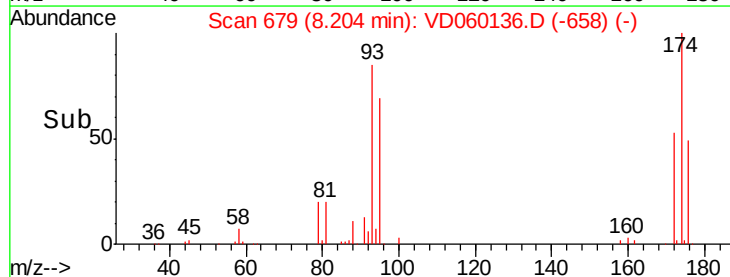
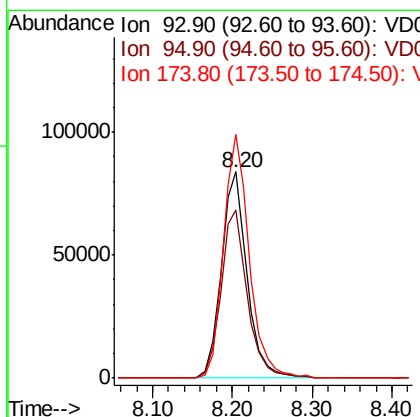
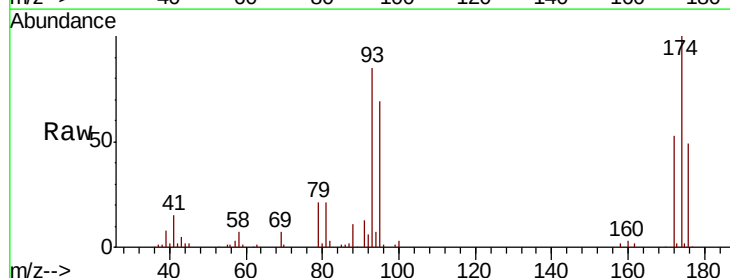
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

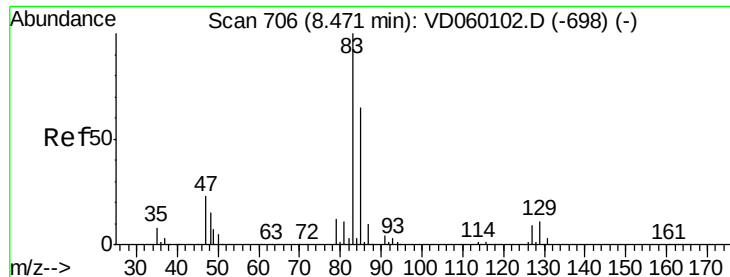
Tgt Ion: 63 Resp: 293971
 Ion Ratio Lower Upper
 63 100
 65 32.0 24.1 36.1



#46
 Dibromomethane
 Concen: 20.016 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 93 Resp: 190155
 Ion Ratio Lower Upper
 93 100
 95 81.8 63.8 95.6
 174 118.1 92.9 139.3





#47

Bromodichloromethane

Concen: 20.498 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

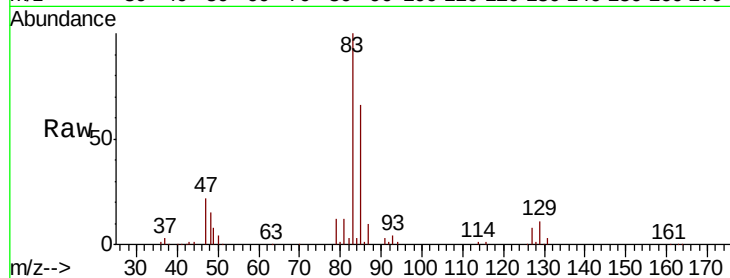
Tgt Ion: 83 Resp: 414905

Ion Ratio Lower Upper

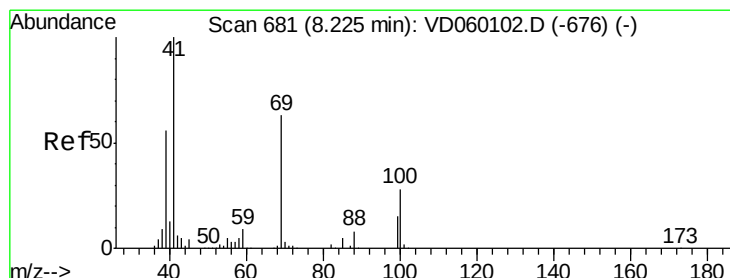
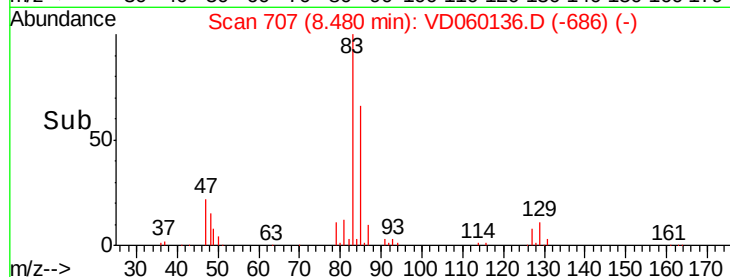
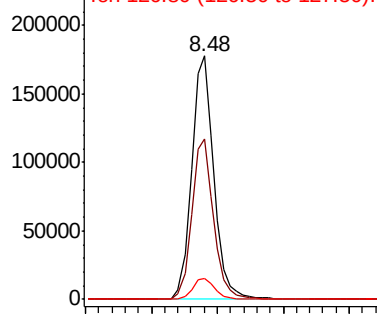
83 100

85 65.8 52.2 78.2

127 8.4 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: 20.295 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

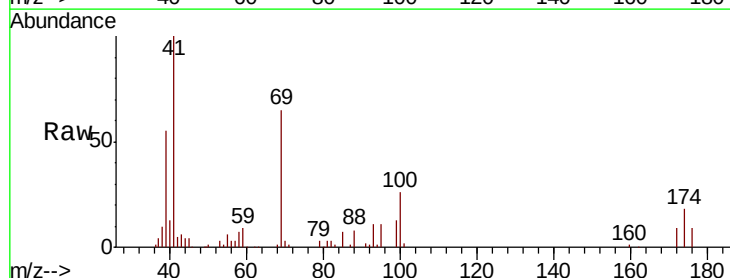
Tgt Ion: 41 Resp: 216237

Ion Ratio Lower Upper

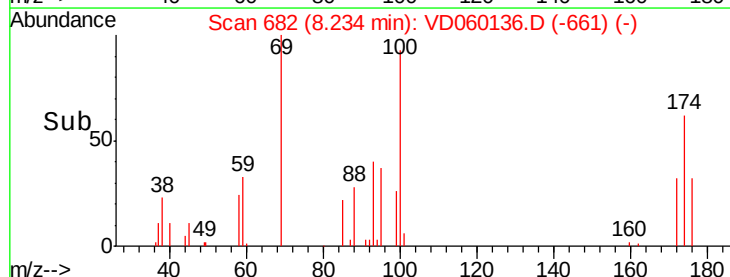
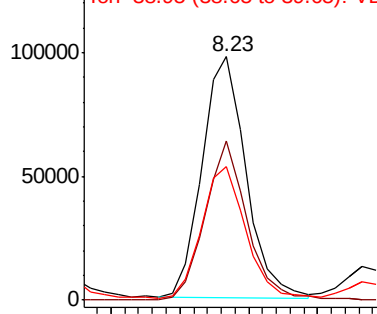
41 100

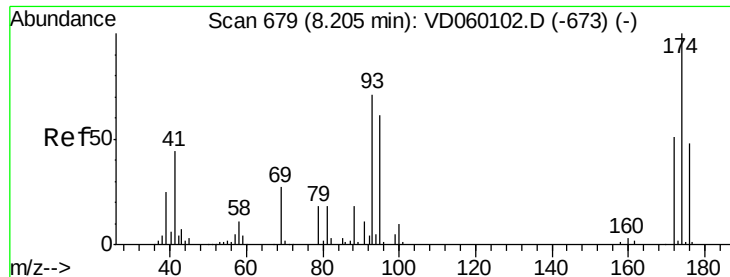
69 65.3 49.7 74.5

39 54.7 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

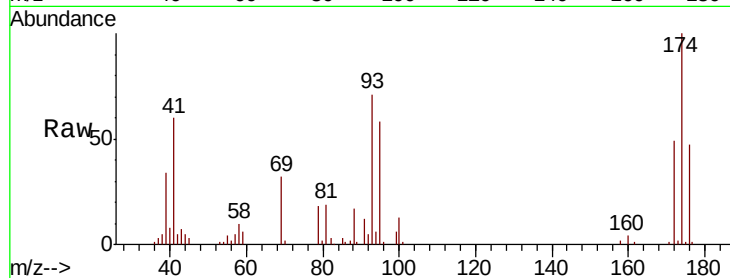




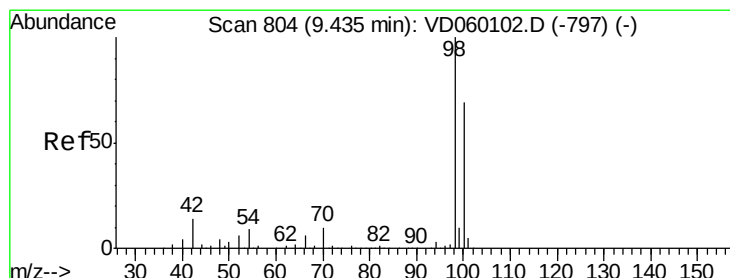
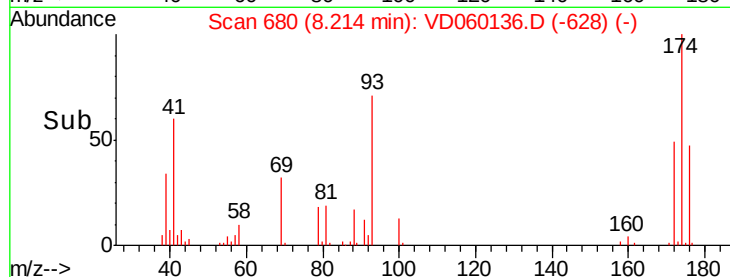
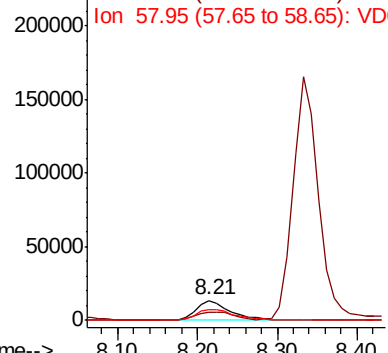
#49
1,4-Dioxane
Concen: 383.591 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tgt Ion: 88 Resp: 40214
Ion Ratio Lower Upper
88 100
43 42.7 33.7 50.5
58 56.1 49.1 73.7

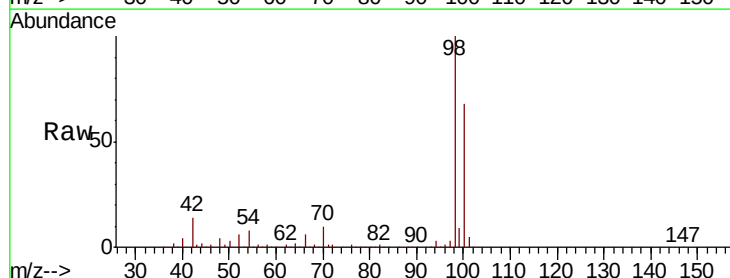


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

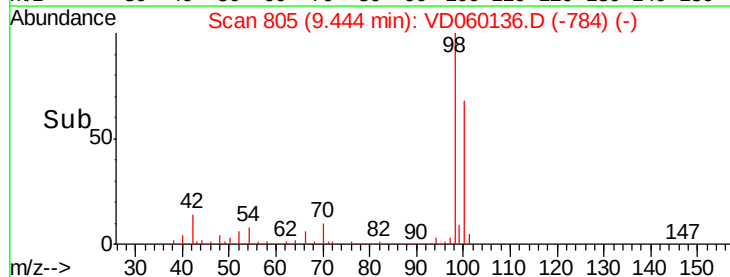
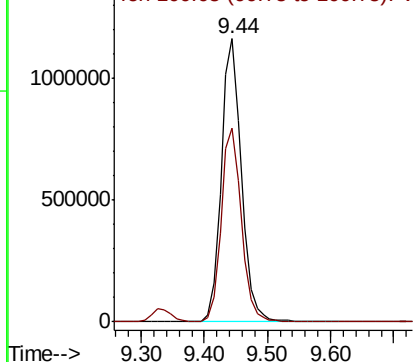


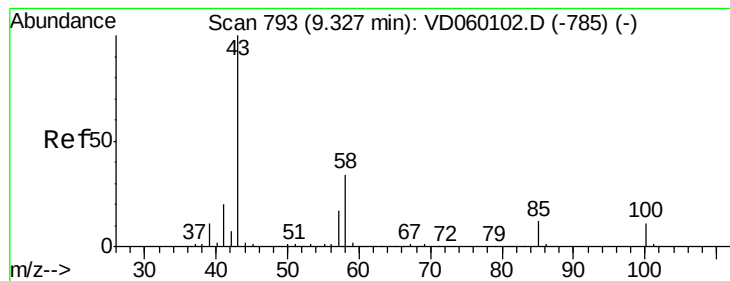
#50
Toluene-d8
Concen: 383.591 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 98 Resp: 2587035
Ion Ratio Lower Upper
98 100
100 68.3 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: 99.124 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

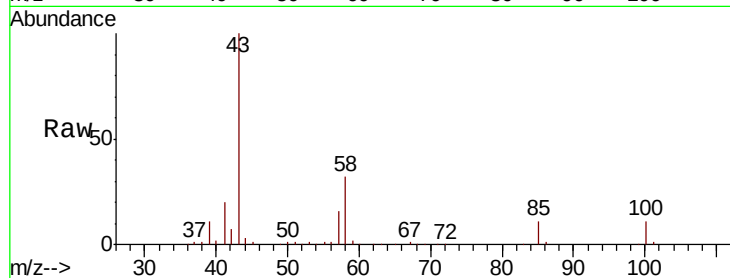
VD1005SBS01

Tgt Ion: 43 Resp: 1169470

Ion Ratio Lower Upper

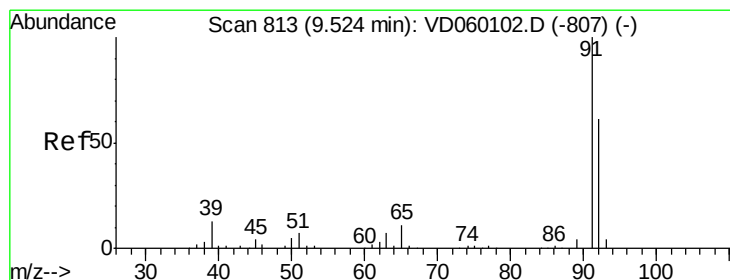
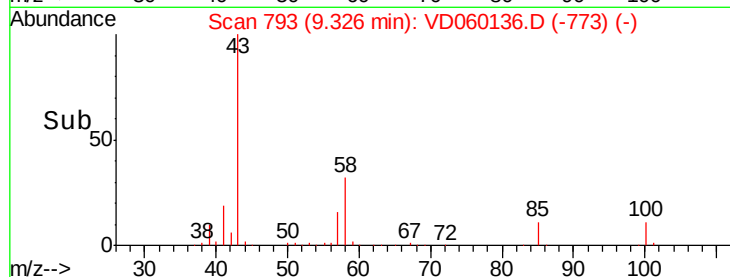
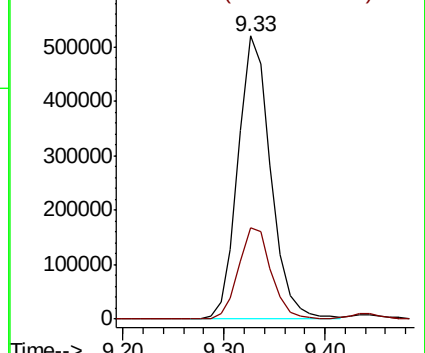
43 100

58 32.2 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: 19.907 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060136.D

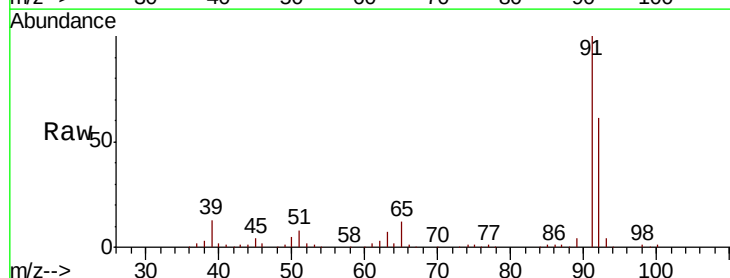
Acq: 5 Oct 2018 12:40

Tgt Ion: 92 Resp: 718462

Ion Ratio Lower Upper

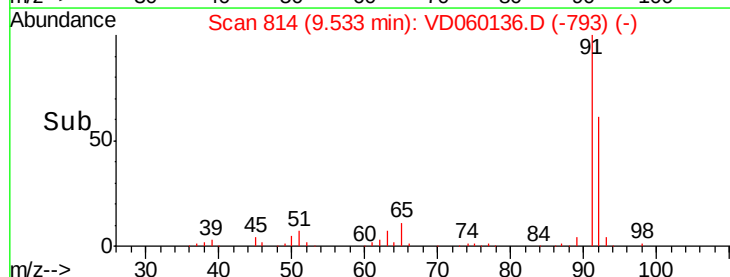
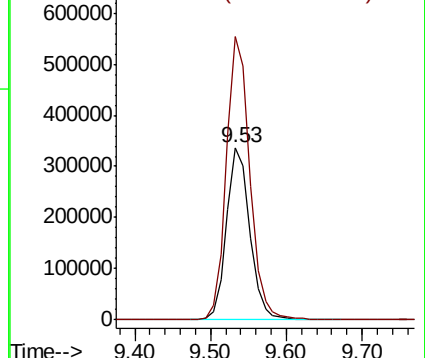
92 100

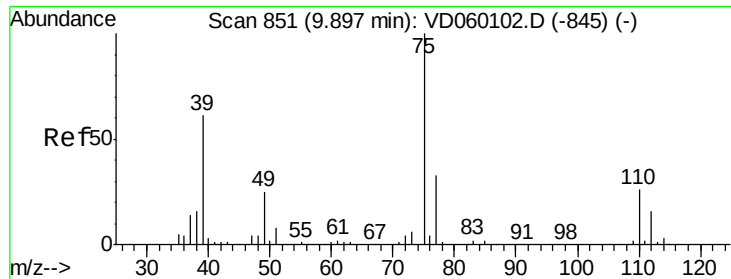
91 164.5 131.9 197.9



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: 20.123 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

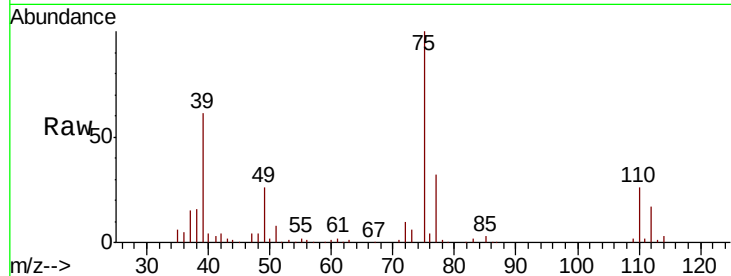
VD1005SBS01

Tgt Ion: 75 Resp: 368566

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.91

200000

150000

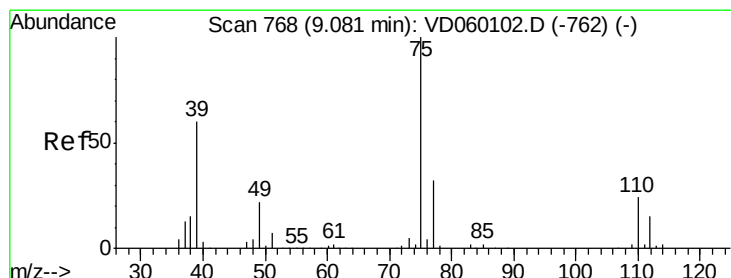
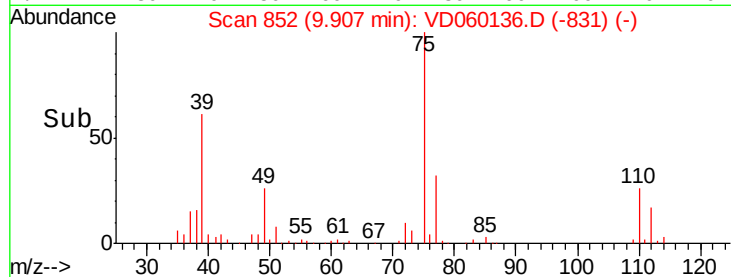
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.655 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

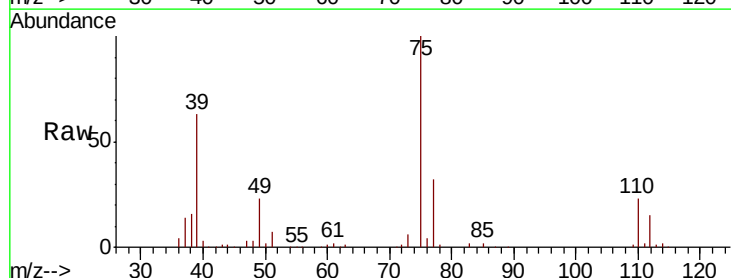
Tgt Ion: 75 Resp: 467149

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

39 63.0 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

9.09

300000

250000

200000

150000

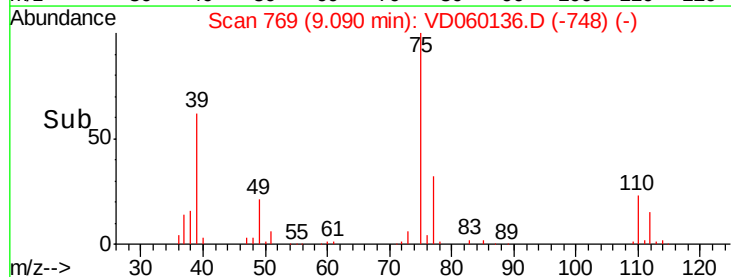
100000

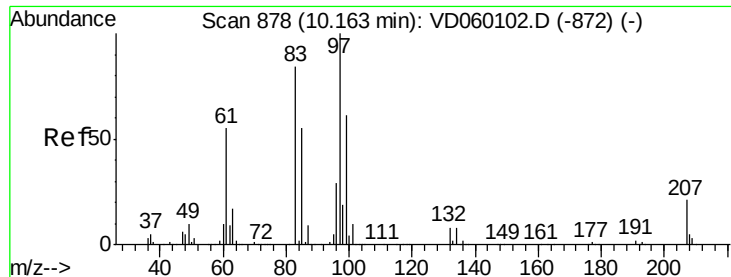
50000

0

9.00 9.10 9.20

Time-->

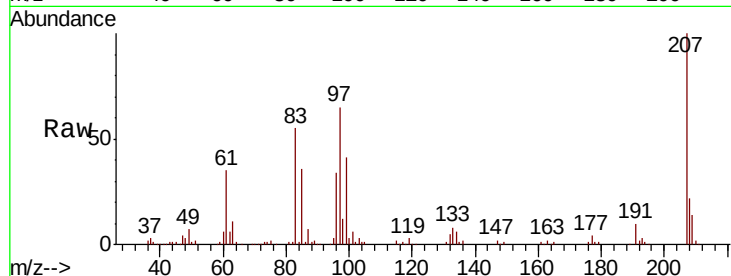




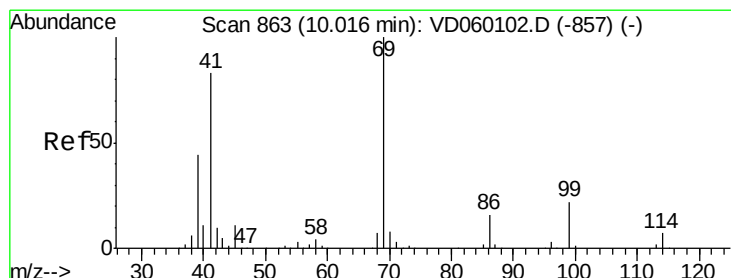
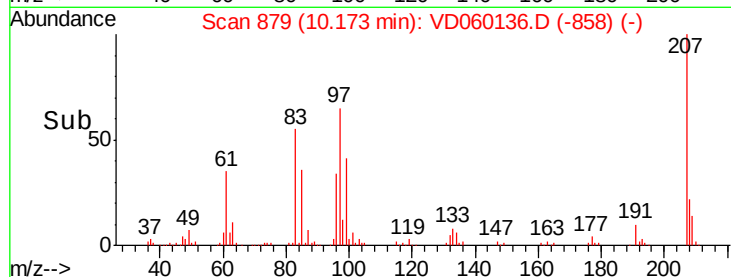
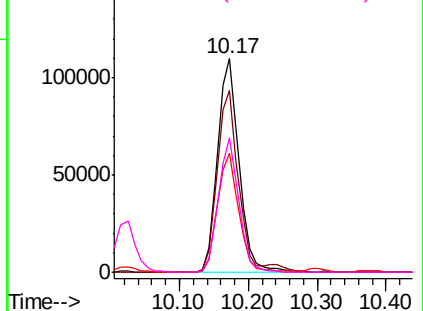
#55
 1,1,2-Trichloroethane
 Concen: 20.093 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tgt Ion: 97 Resp: 237073
 Ion Ratio Lower Upper
 97 100
 83 85.2 67.0 100.6
 85 55.8 43.9 65.9
 99 62.9 49.1 73.7

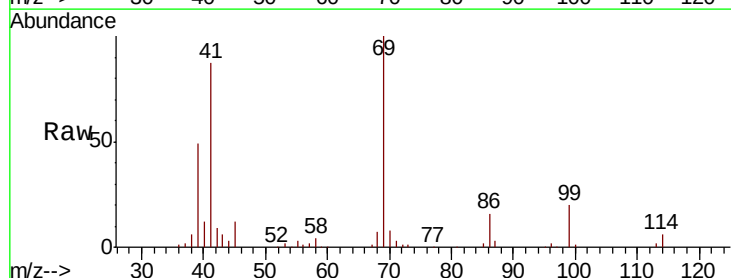


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

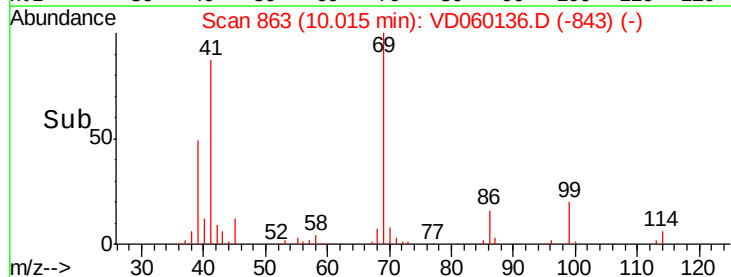
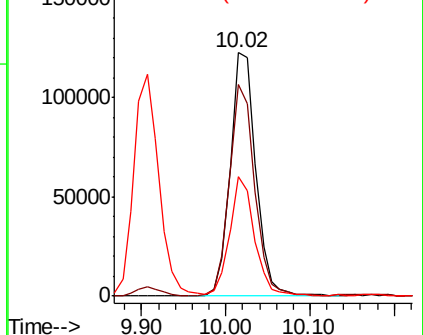


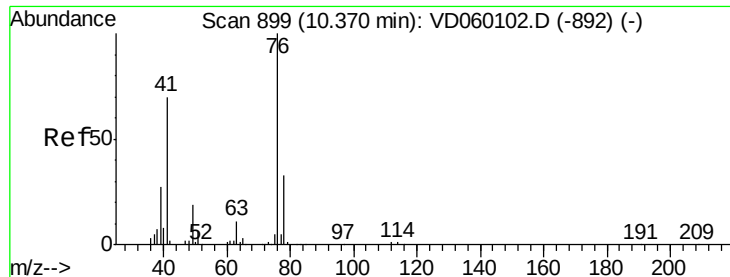
#56
 Ethyl methacrylate
 Concen: 19.952 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 69 Resp: 259853
 Ion Ratio Lower Upper
 69 100
 41 86.7 66.6 100.0
 39 49.1 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

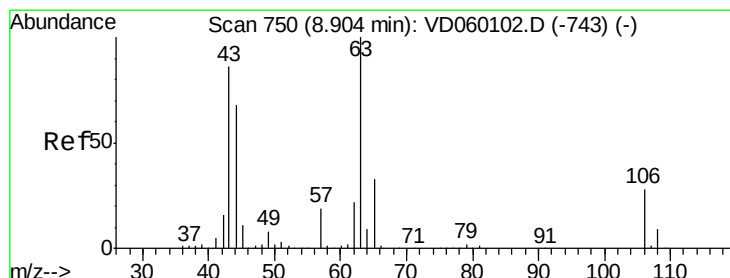
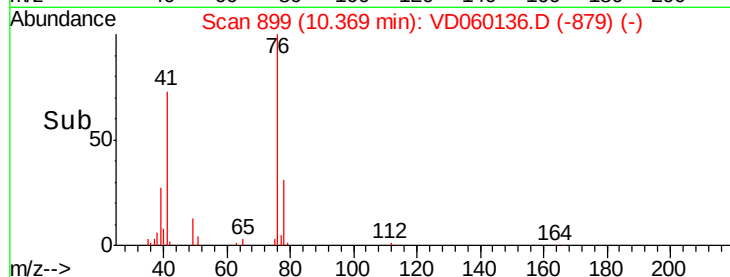
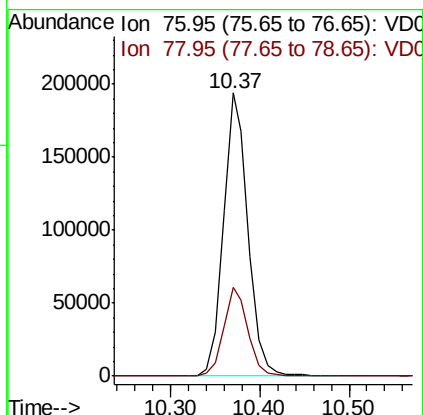
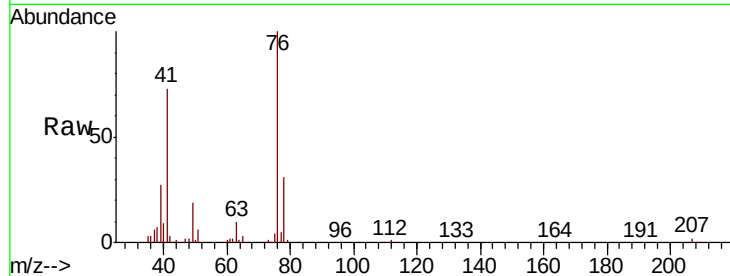




#57
 1,3-Dichloropropane
 Concen: 20.758 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

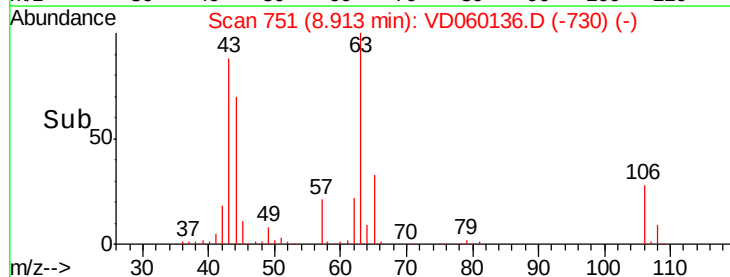
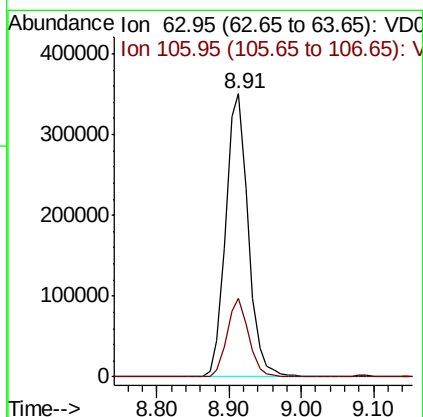
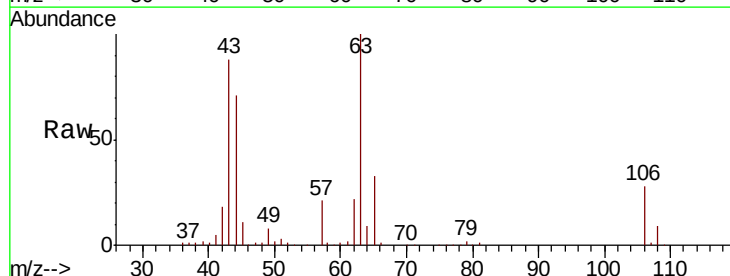
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

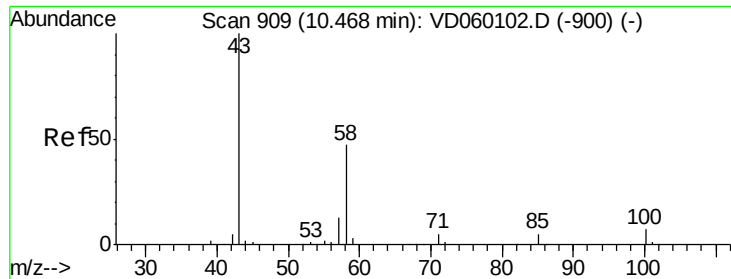
Tgt Ion: 76 Resp: 373529
 Ion Ratio Lower Upper
 76 100
 78 31.4 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.055 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 63 Resp: 759801
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.6 34.0

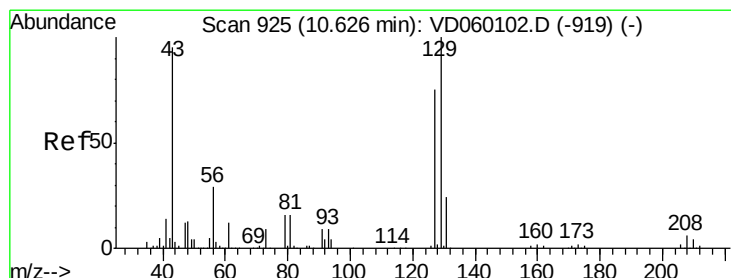
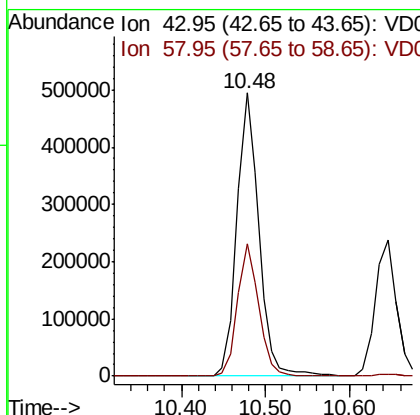
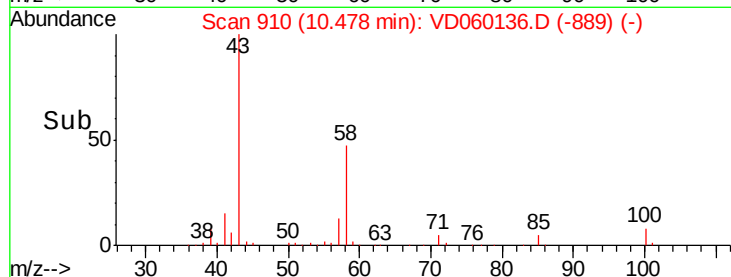
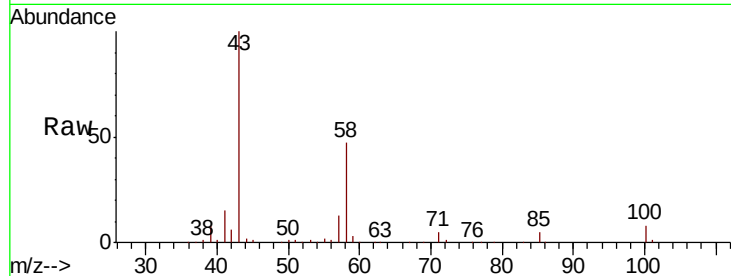




#59
2-Hexanone
Concen: 105.961 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

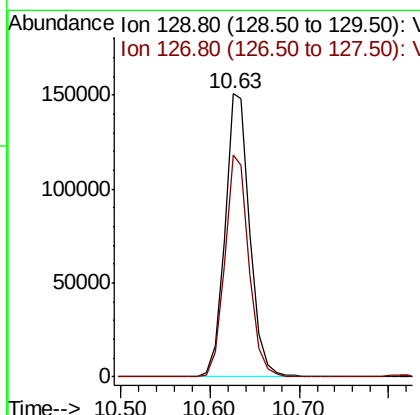
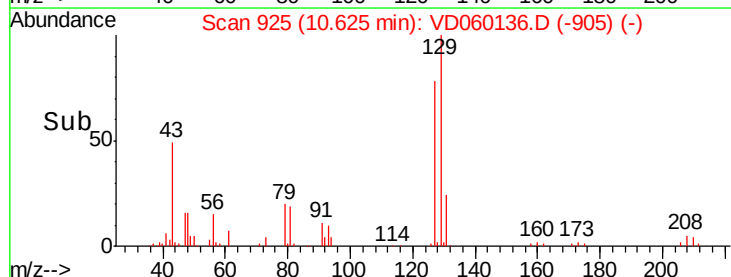
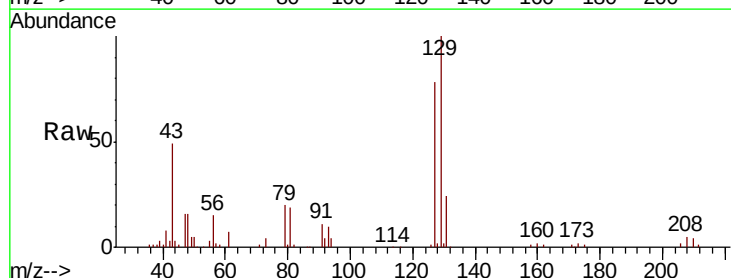
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

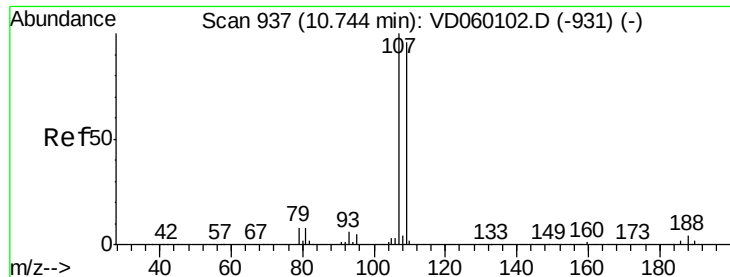
Tgt Ion: 43 Resp: 898952
Ion Ratio Lower Upper
43 100
58 46.9 23.3 69.9



#60
Dibromochloromethane
Concen: 20.425 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 129 Resp: 295678
Ion Ratio Lower Upper
129 100
127 78.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 19.626 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

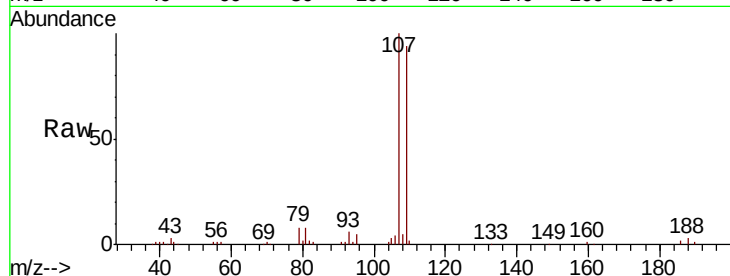
VD1005SBS01

Tgt Ion: 107 Resp: 246037

Ion Ratio Lower Upper

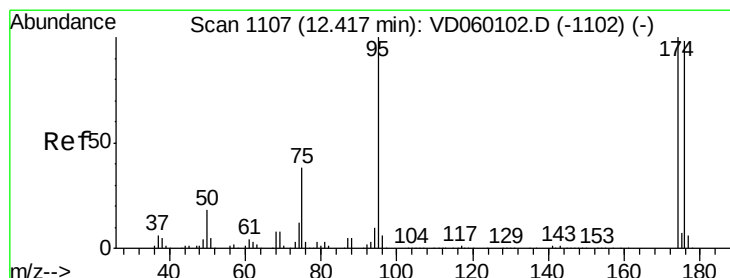
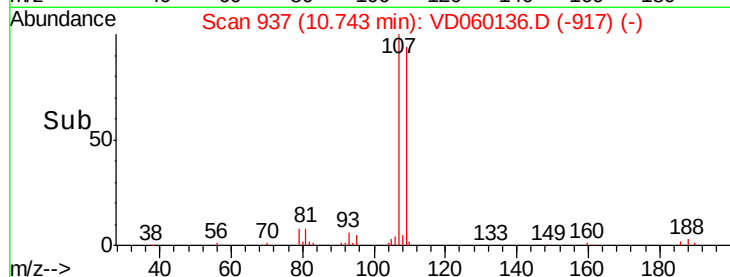
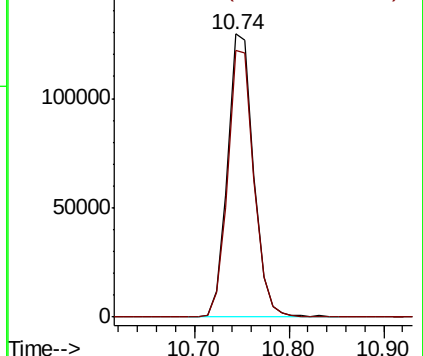
107 100

109 94.1 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.626 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

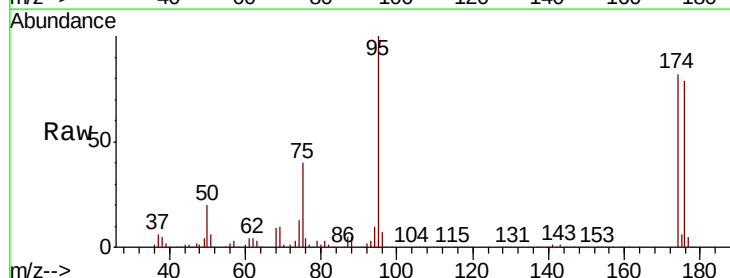
Tgt Ion: 95 Resp: 938033

Ion Ratio Lower Upper

95 100

174 81.6 0.0 200.2

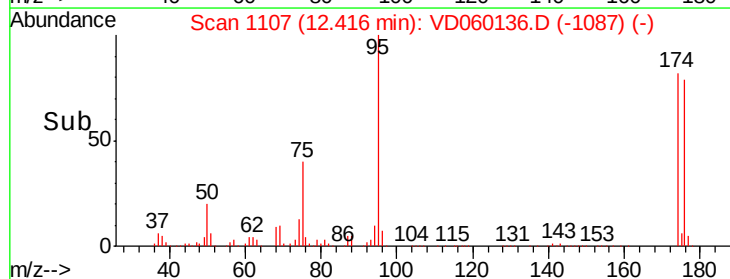
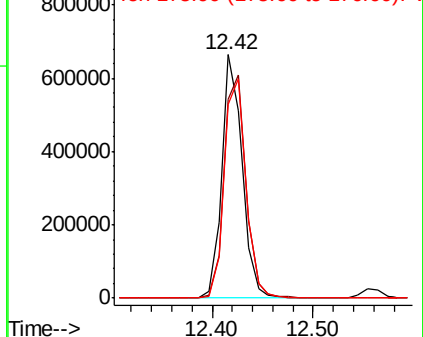
176 79.4 0.0 195.6

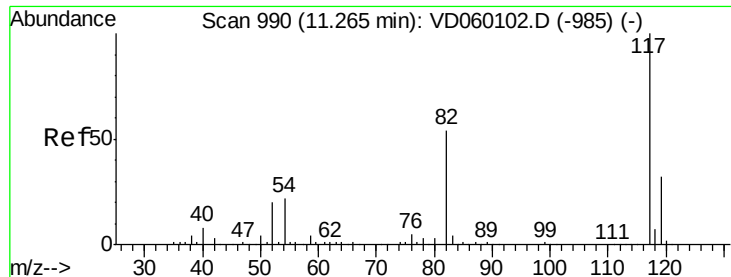


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

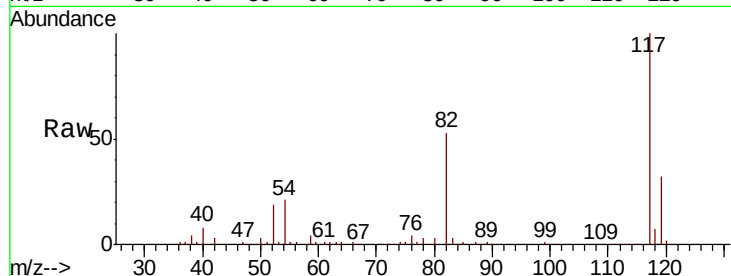




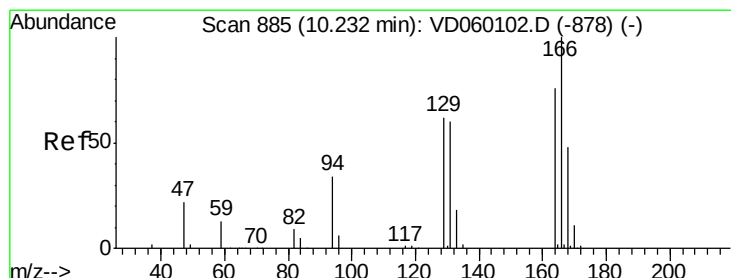
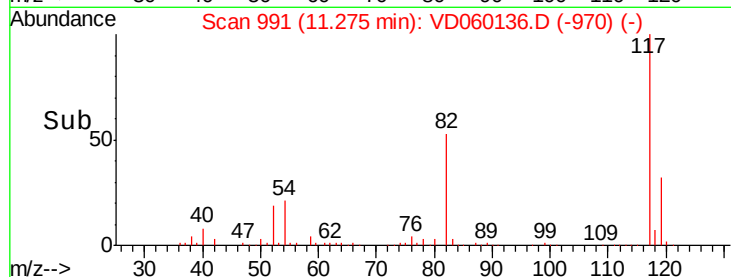
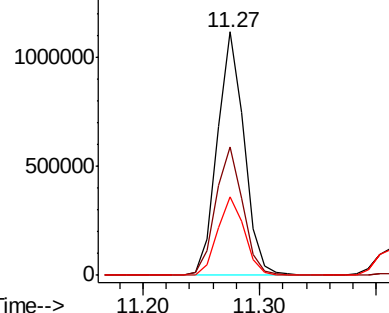
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tgt Ion:117 Resp: 1775915
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.2
119 32.4 26.0 39.0

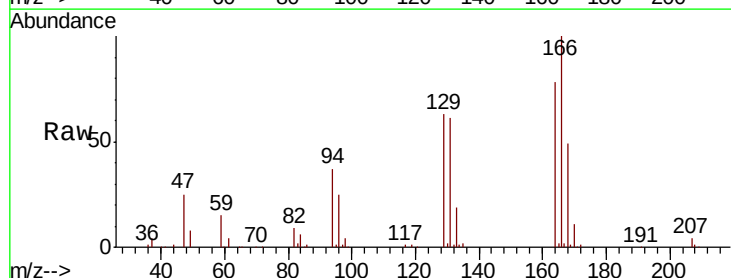


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

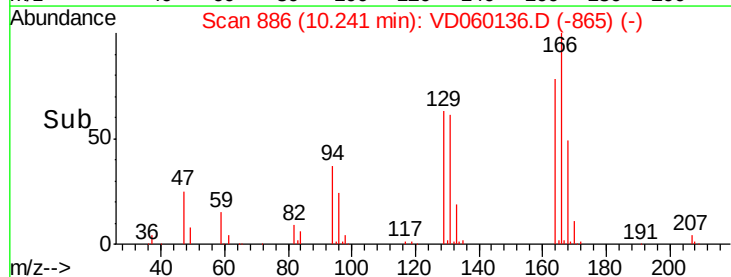
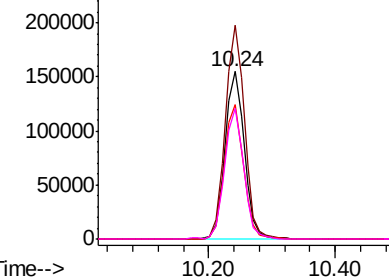


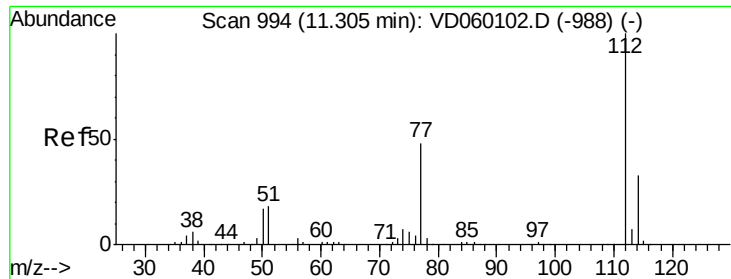
#64
Tetrachloroethene
Concen: 20.916 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion:164 Resp: 325332
Ion Ratio Lower Upper
164 100
166 127.4 105.4 158.0
129 80.0 65.7 98.5
131 78.0 62.9 94.3



Abundance Ion 163.85 (163.55 to 164.55): V
300000 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

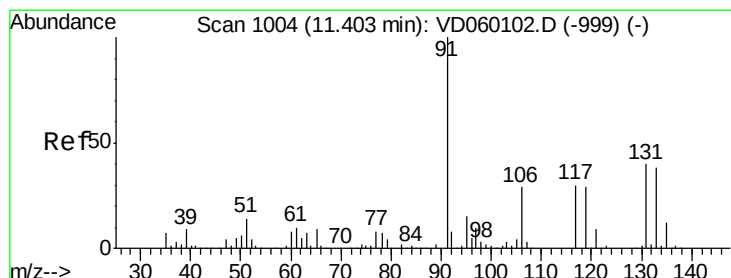
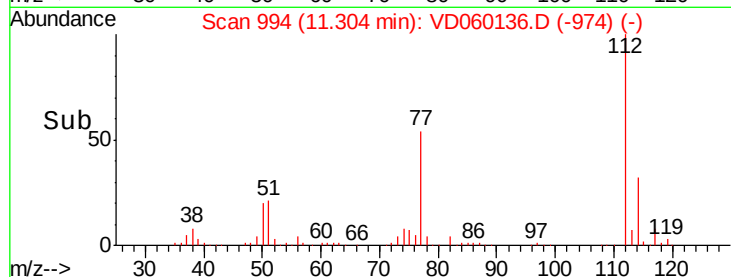
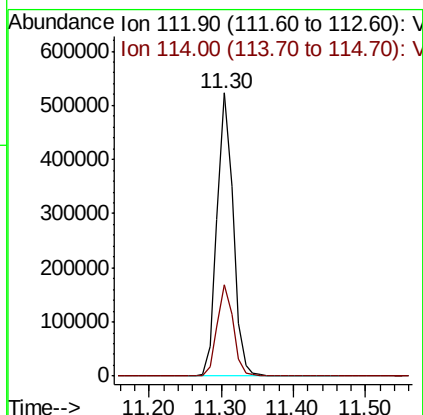
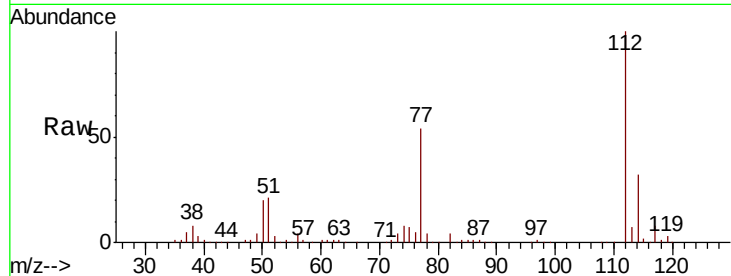




#65
Chlorobenzene
Concen: 20.855 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

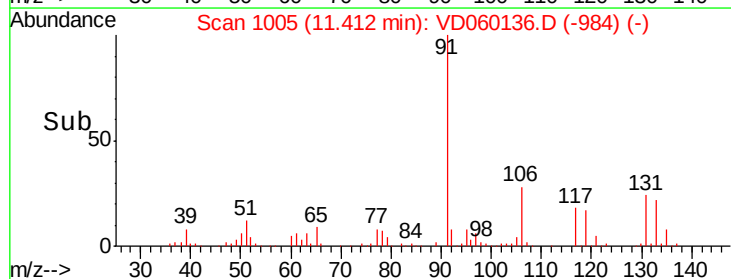
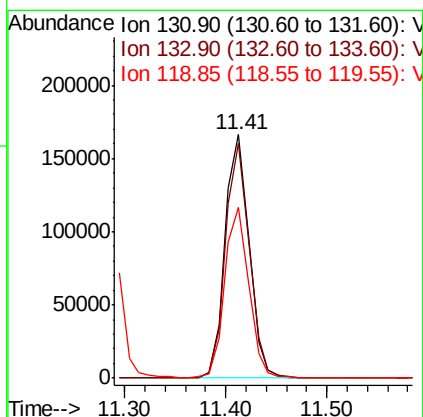
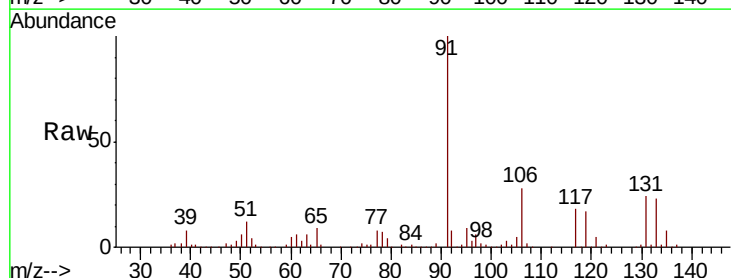
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

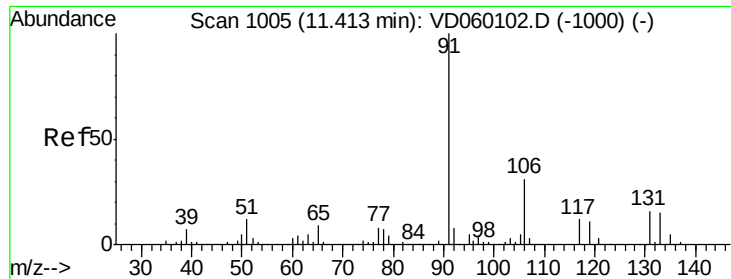
Tgt Ion:112 Resp: 801231
Ion Ratio Lower Upper
112 100
114 32.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.472 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion:131 Resp: 275208
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 70.2 36.1 108.3

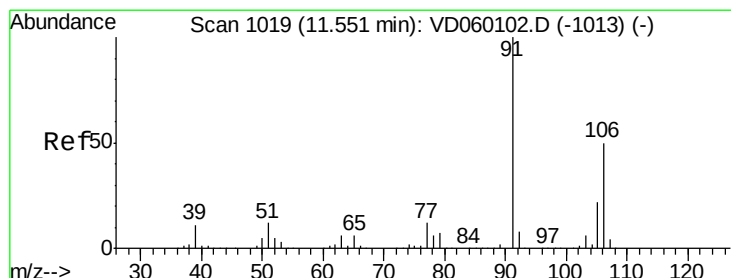
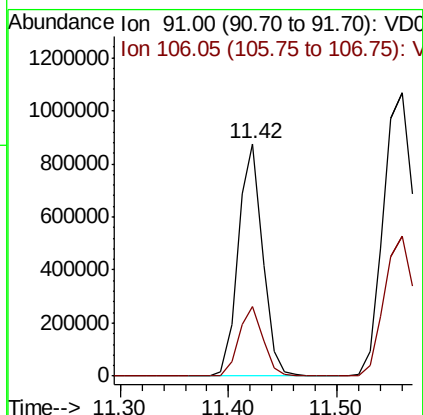
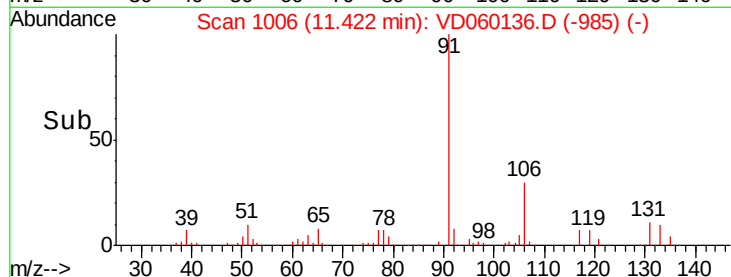
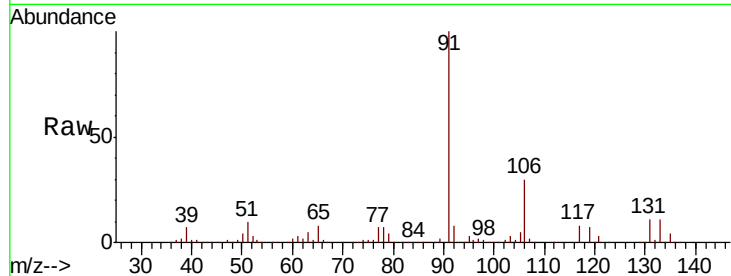




#67
Ethyl Benzene
Concen: 21.974 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

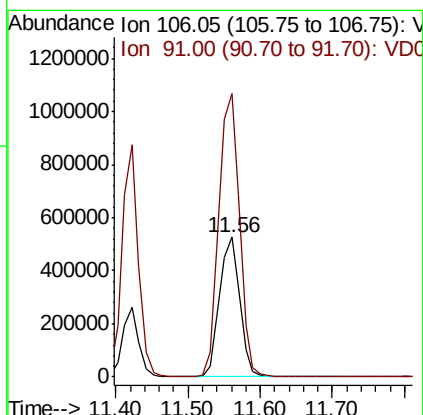
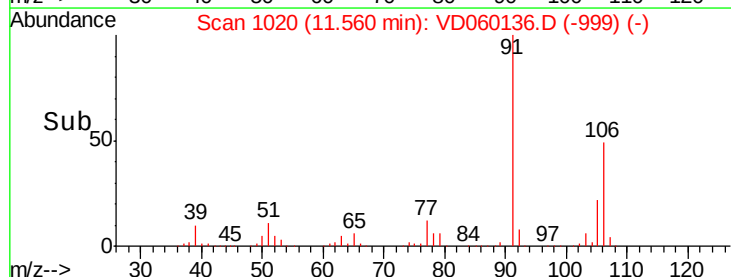
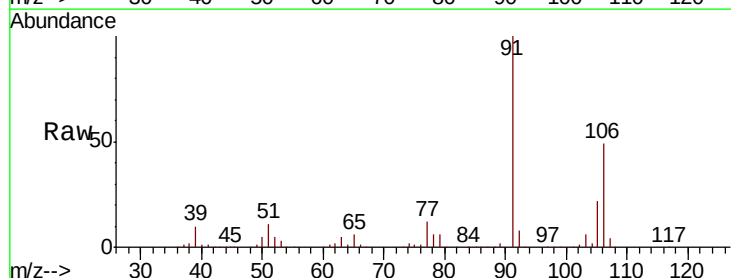
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

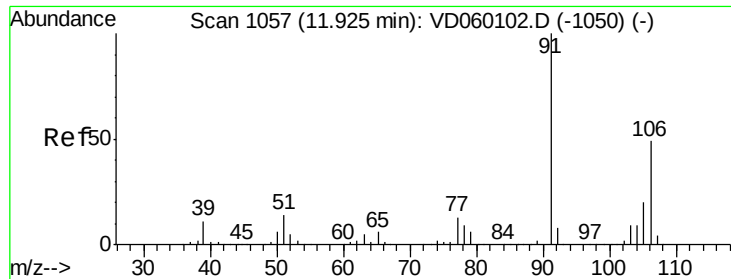
Tgt Ion: 91 Resp: 1367812
Ion Ratio Lower Upper
91 100
106 30.0 24.4 36.6



#68
m/p-Xylenes
Concen: 43.688 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 106 Resp: 1016087
Ion Ratio Lower Upper
106 100
91 202.4 160.0 240.0

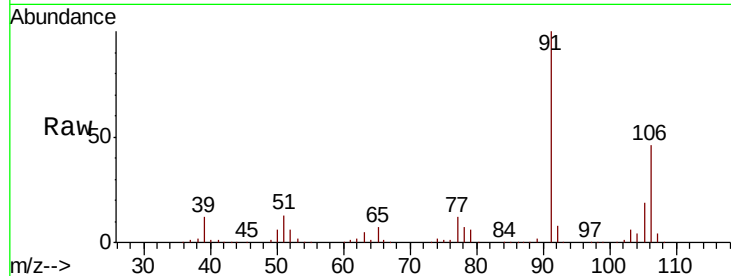




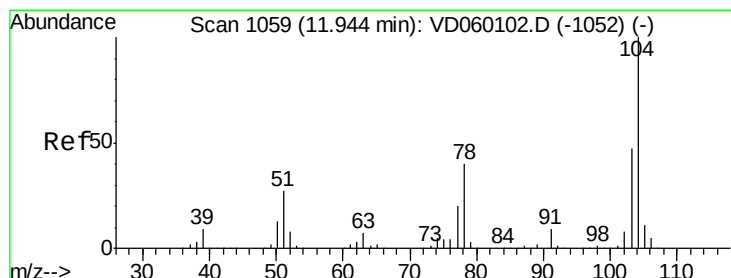
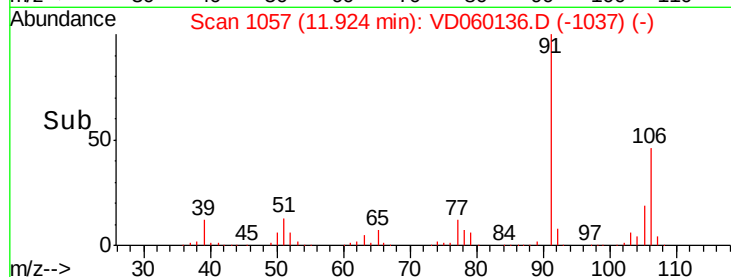
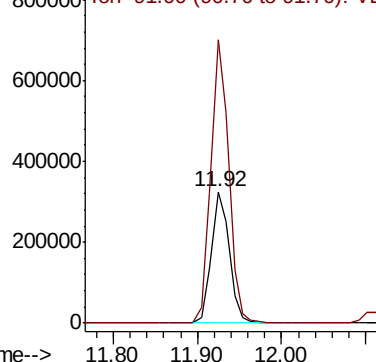
#69
o-Xylene
Concen: 21.023 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tgt Ion:106 Resp: 483625
Ion Ratio Lower Upper
106 100
91 215.3 102.5 307.5

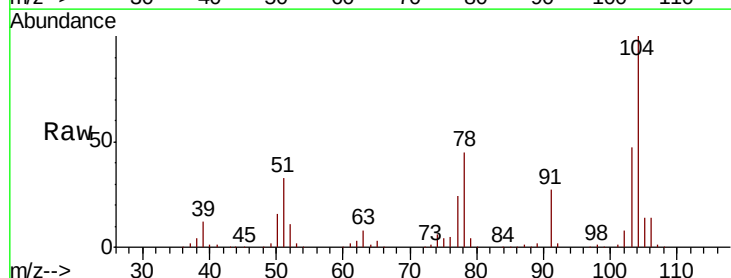


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

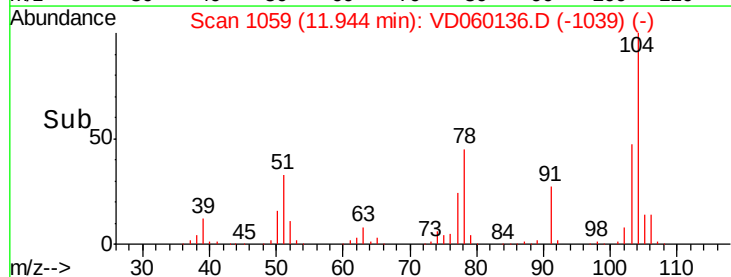
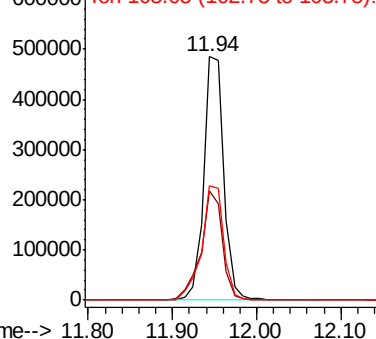


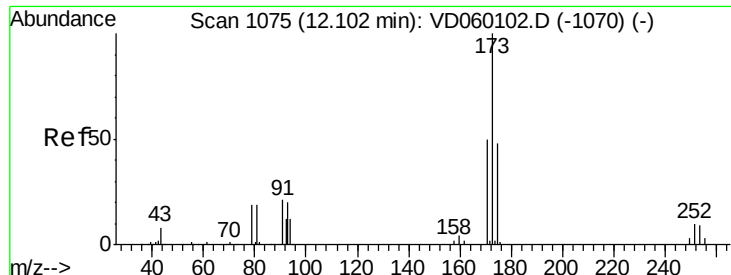
#70
Styrene
Concen: 20.738 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion:104 Resp: 797798
Ion Ratio Lower Upper
104 100
78 44.7 32.2 48.4
103 46.8 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: 20.145 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

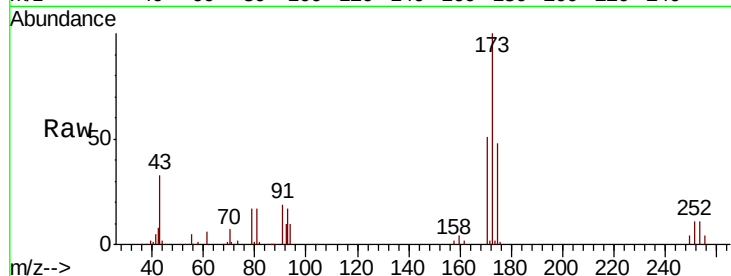
Tgt Ion:173 Resp: 209075

Ion Ratio Lower Upper

173 100

175 47.7 24.1 72.4

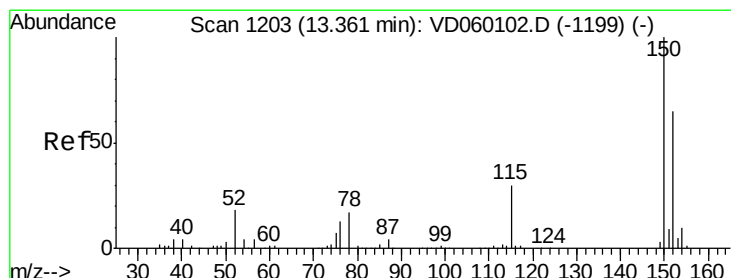
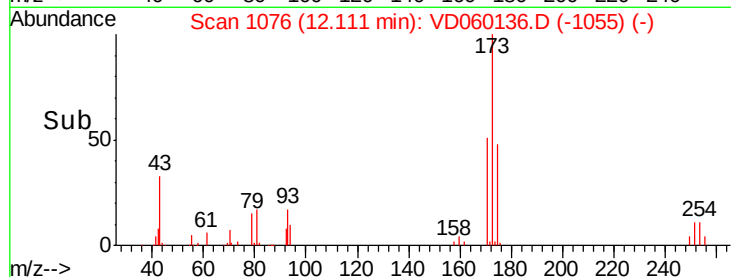
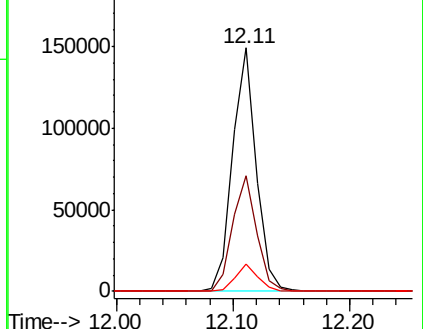
254 11.2 7.4 11.0#



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: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

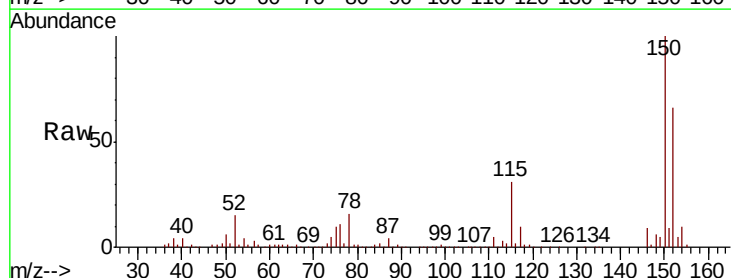
Tgt Ion:152 Resp: 975483

Ion Ratio Lower Upper

152 100

115 47.1 27.1 81.2

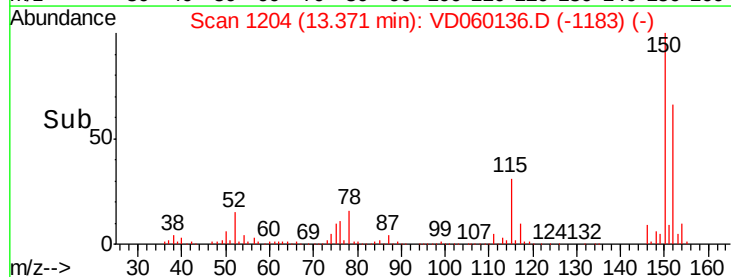
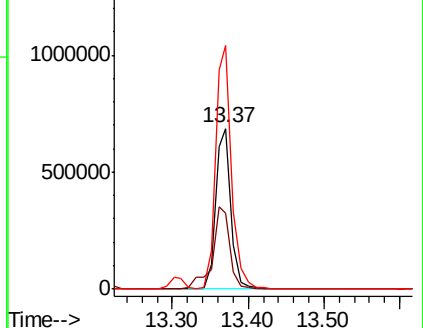
150 151.5 0.0 311.8

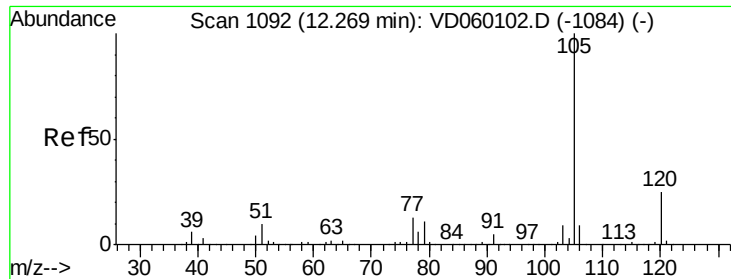


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.847 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

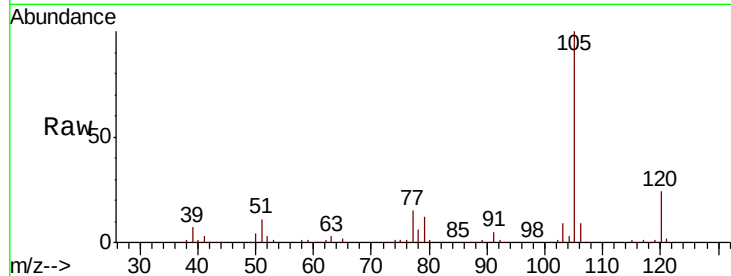
VD1005SBS01

Tgt Ion:105 Resp: 1277274

Ion Ratio Lower Upper

105 100

120 24.1 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

1000000

800000

600000

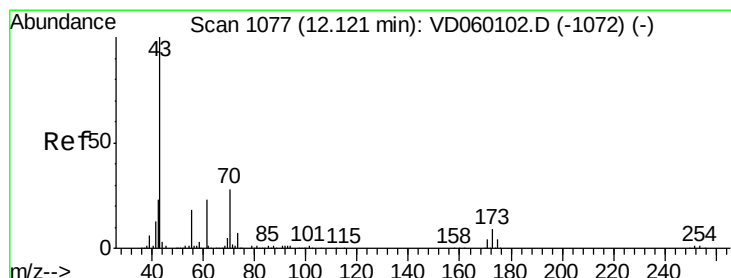
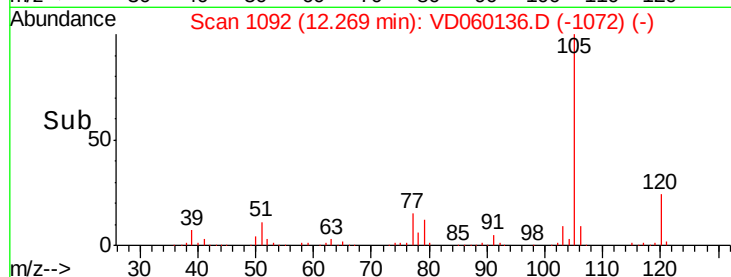
400000

200000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 19.837 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Tgt Ion: 43 Resp: 467607

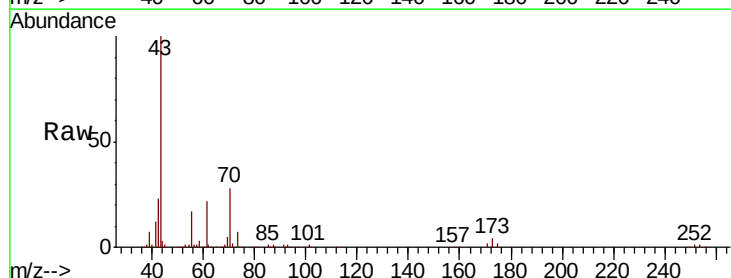
Ion Ratio Lower Upper

43 100

70 28.1 22.1 33.1

55 16.9 14.1 21.1

61 22.4 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

300000

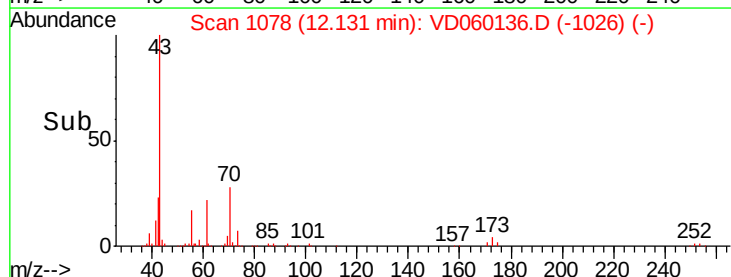
200000

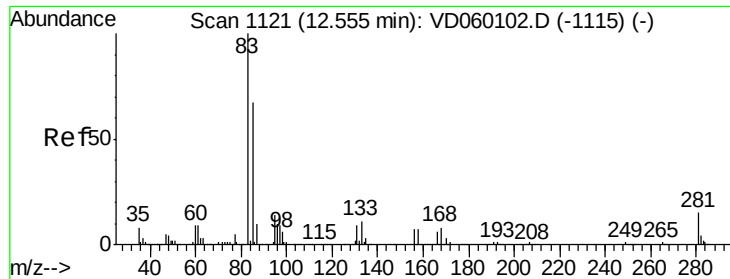
100000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 19.597 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

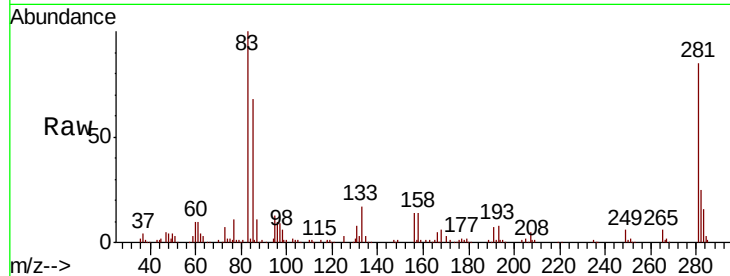
Tgt Ion: 83 Resp: 275327

Ion Ratio Lower Upper

83 100

131 8.1 4.5 13.4

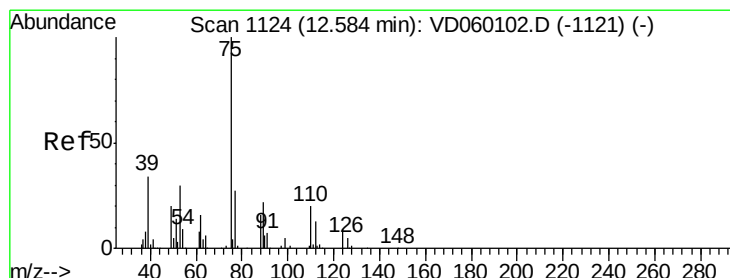
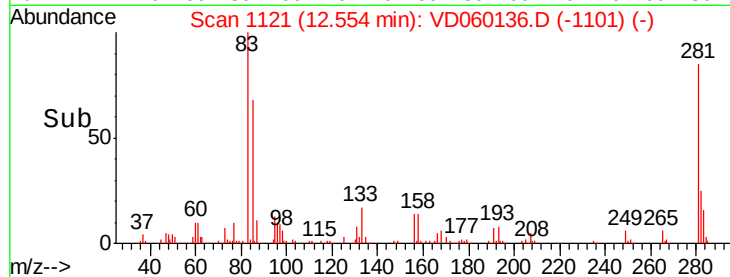
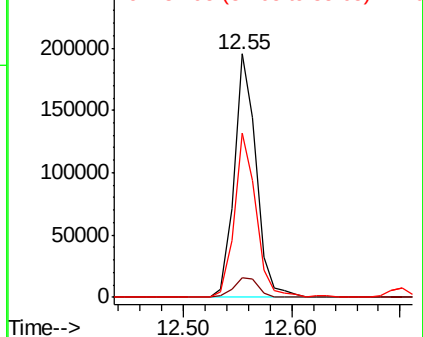
85 67.5 33.3 99.9



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: 18.854 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060136.D

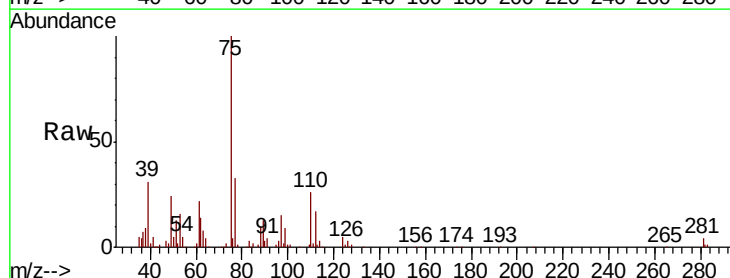
Acq: 5 Oct 2018 12:40

Tgt Ion: 75 Resp: 264866

Ion Ratio Lower Upper

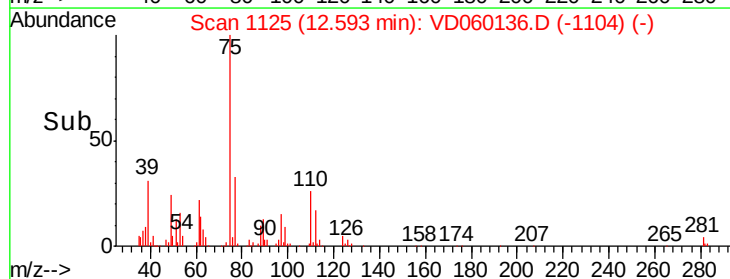
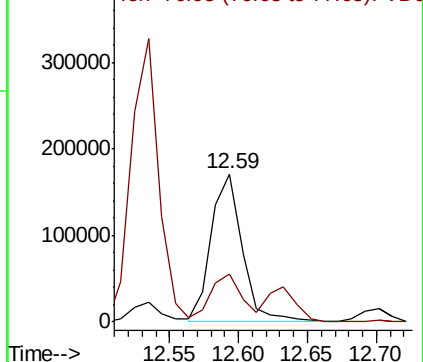
75 100

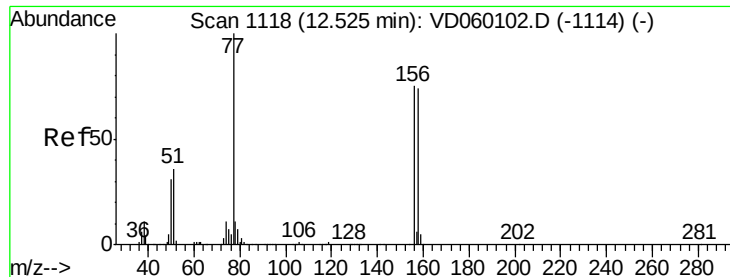
77 32.7 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.783 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

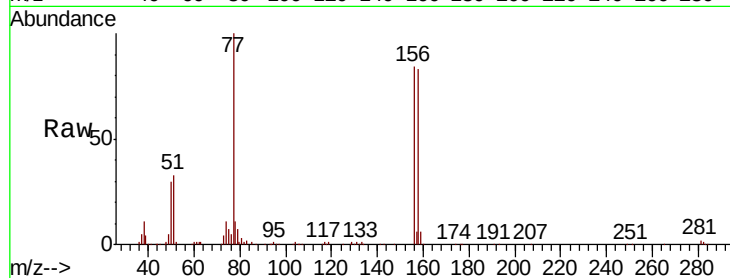
Tgt Ion: 156 Resp: 369953

Ion Ratio Lower Upper

156 100

77 118.4 66.9 200.7

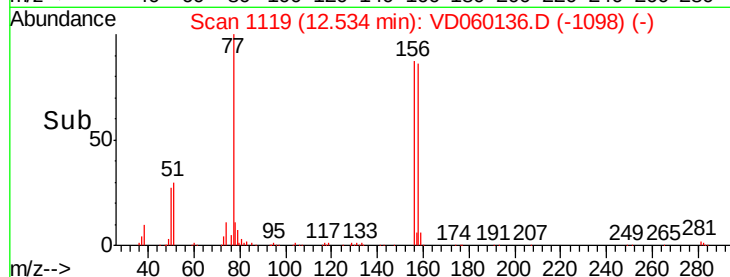
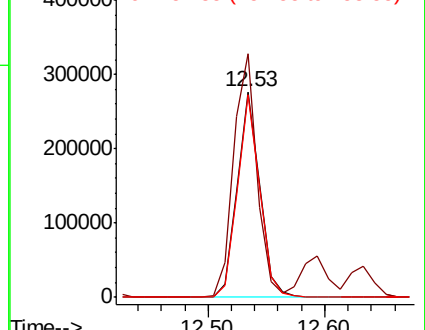
158 98.4 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.987 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060136.D

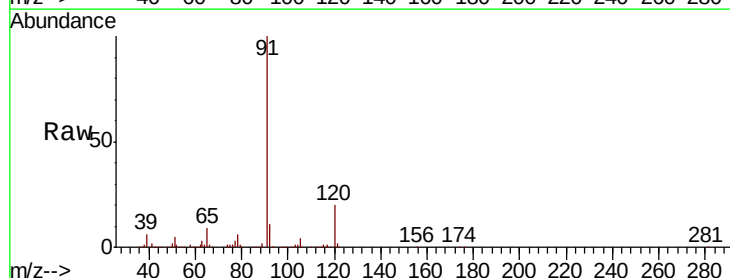
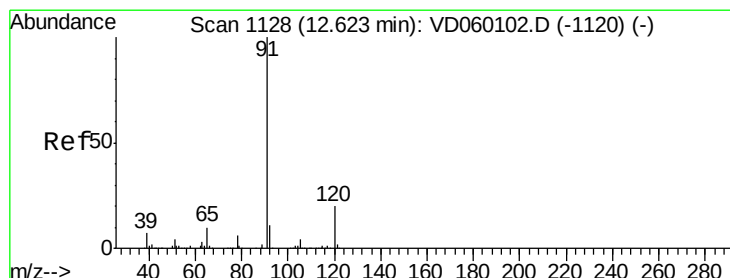
Acq: 5 Oct 2018 12:40

Tgt Ion: 91 Resp: 1677058

Ion Ratio Lower Upper

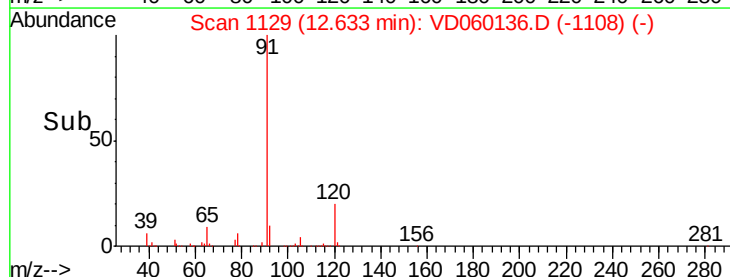
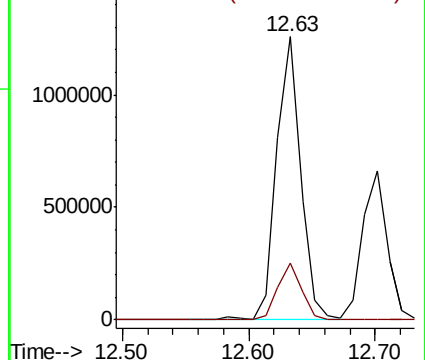
91 100

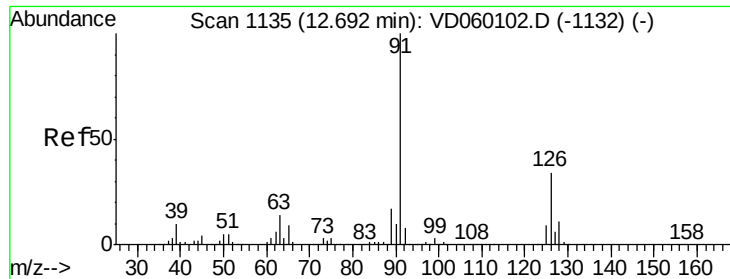
120 20.2 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

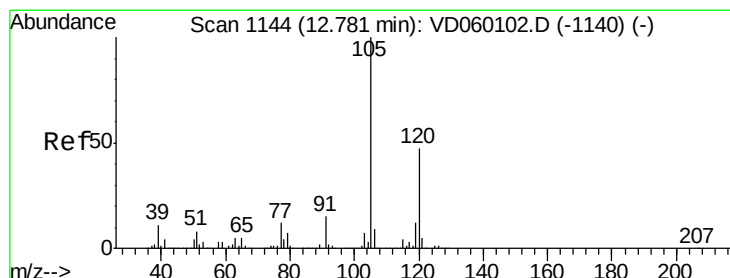
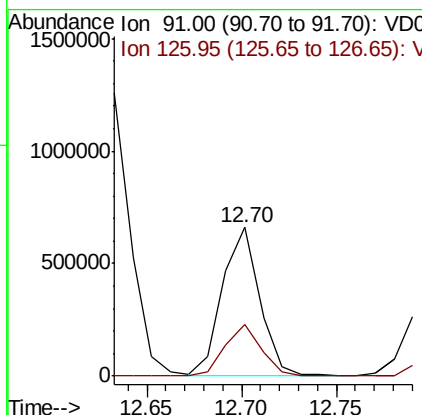
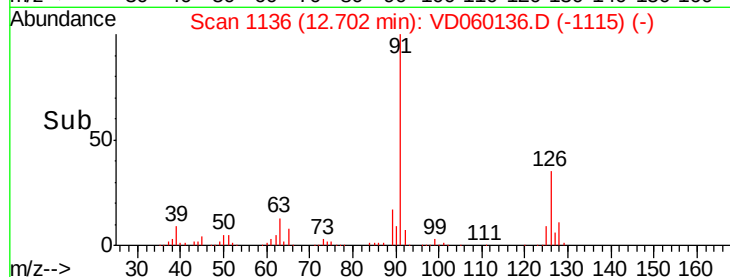
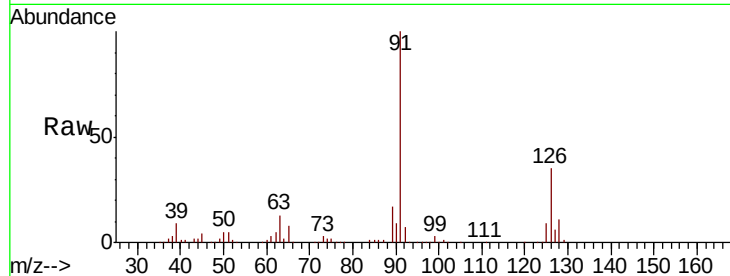




#79
 2-Chlorotoluene
 Concen: 20.213 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

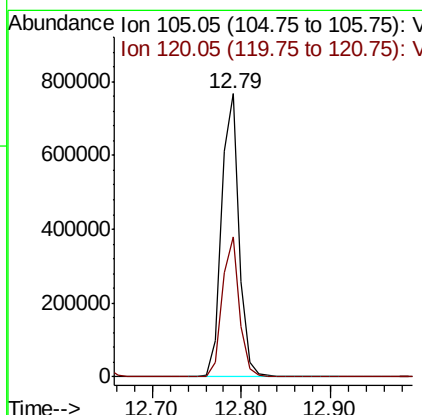
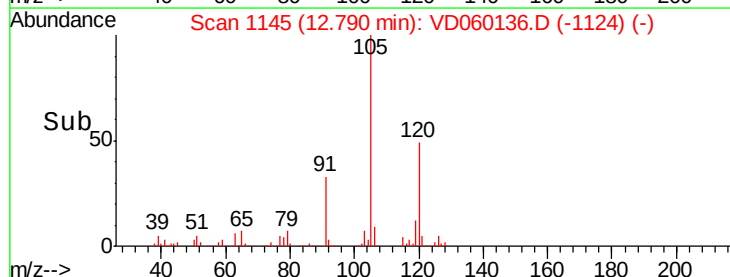
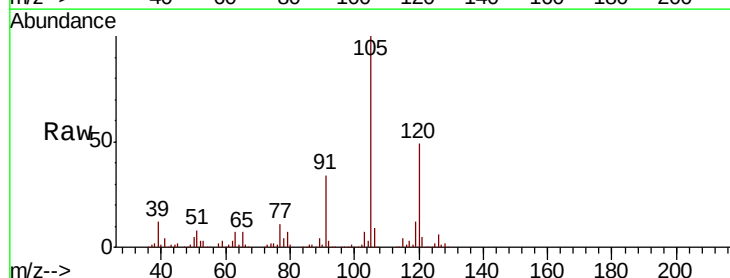
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

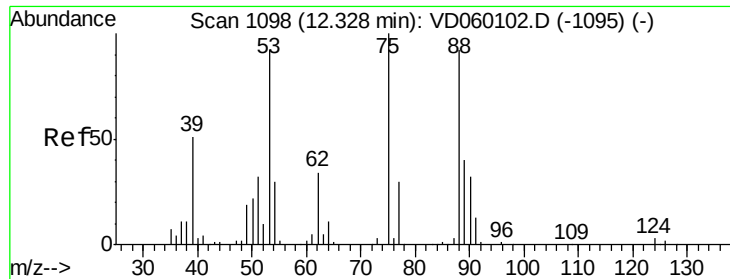
Tgt Ion: 91 Resp: 896474
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.204 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 105 Resp: 1056116
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.164 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

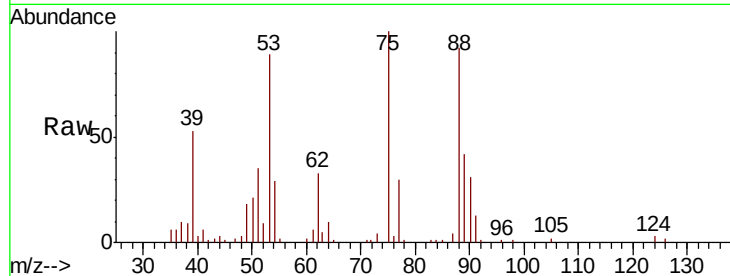
Tgt Ion: 75 Resp: 75647

Ion Ratio Lower Upper

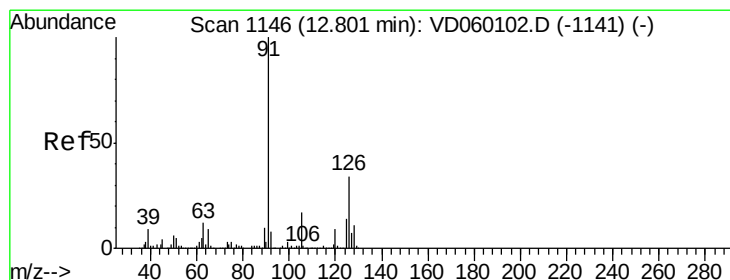
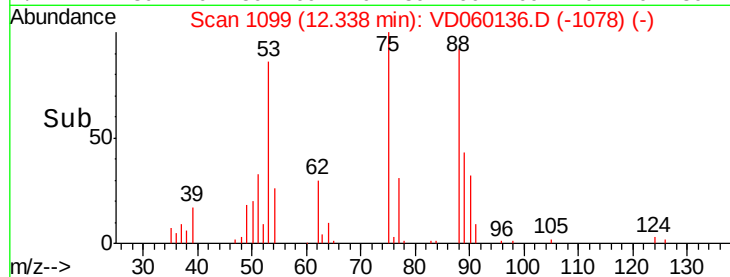
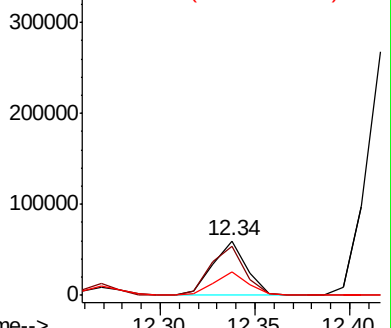
75 100

53 89.0 73.0 109.6

89 42.0 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: 21.019 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060136.D

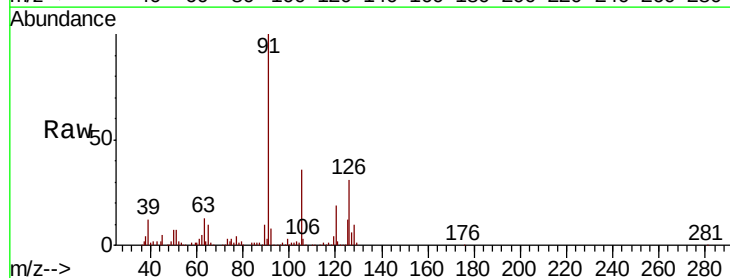
Acq: 5 Oct 2018 12:40

Tgt Ion: 91 Resp: 1054387

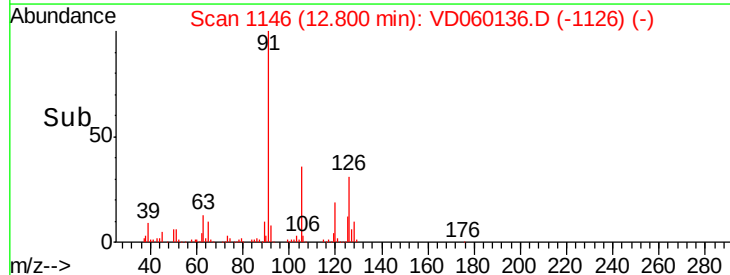
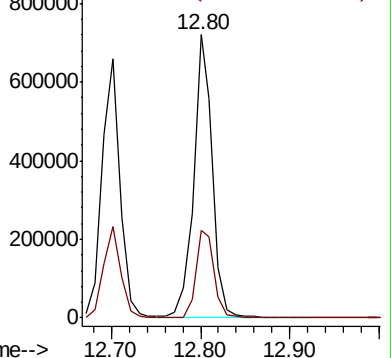
Ion Ratio Lower Upper

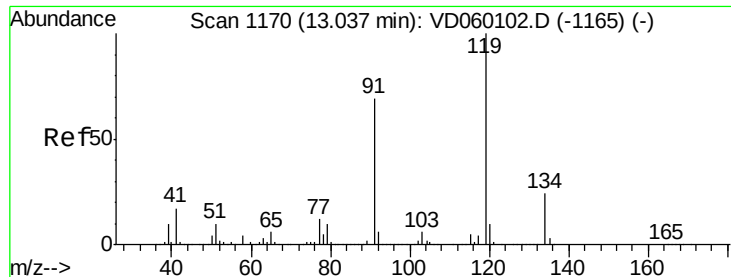
91 100

126 30.9 17.1 51.2



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

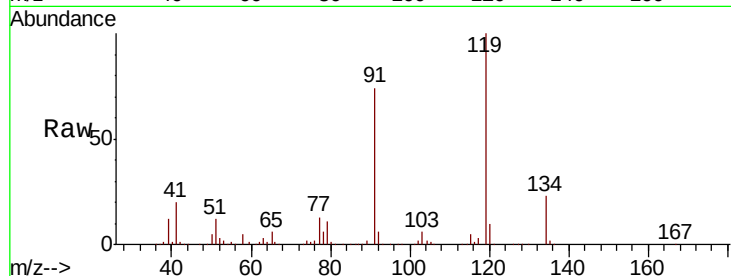




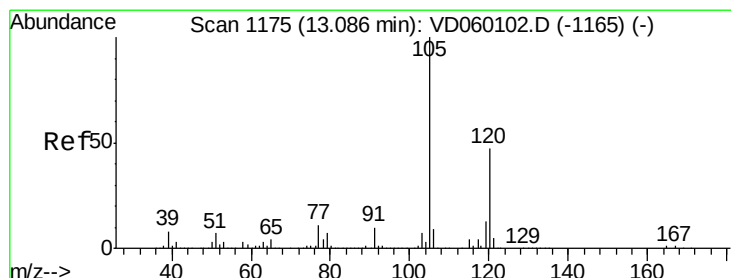
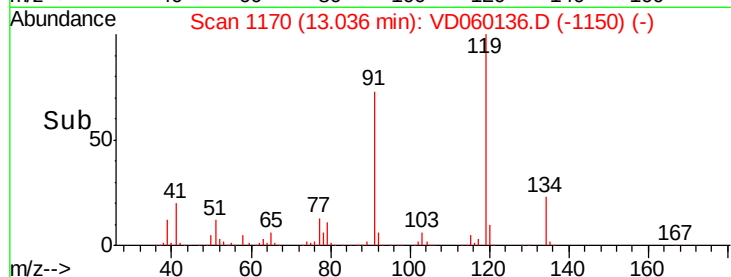
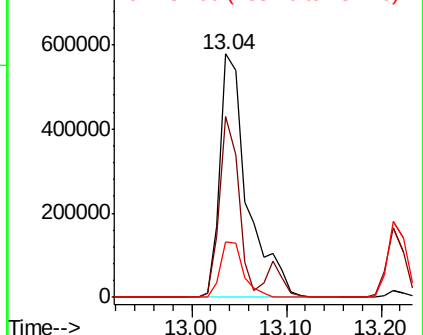
#83
 tert-Butylbenzene
 Concen: 20.461 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

Tgt Ion:119 Resp: 1169464
 Ion Ratio Lower Upper
 119 100
 91 74.5 34.8 104.4
 134 23.0 11.8 35.4

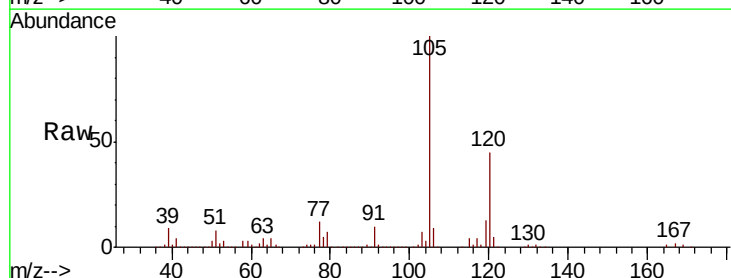


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): VD
 Ion 134.00 (133.70 to 134.70): V

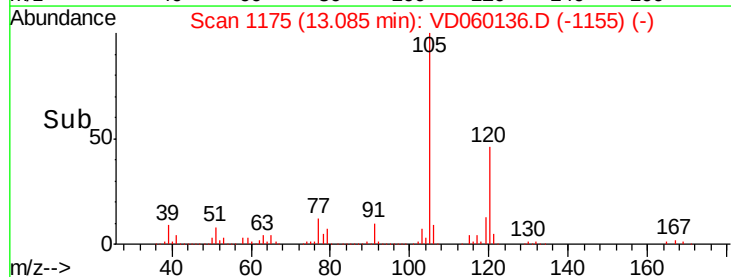
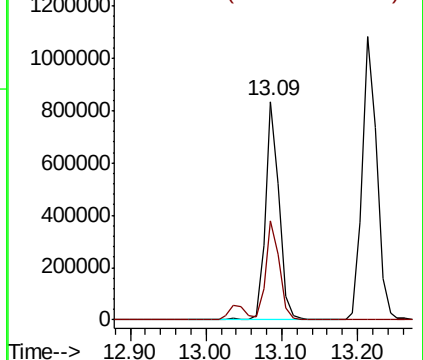


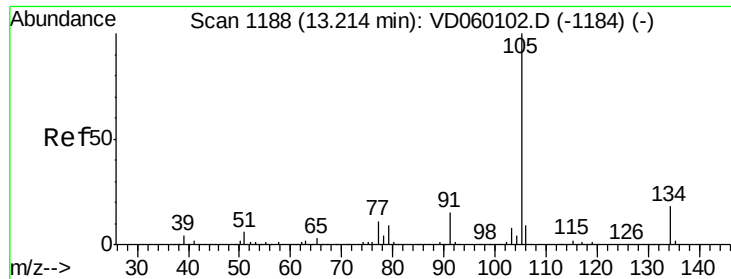
#84
 1,2,4-Trimethylbenzene
 Concen: 20.117 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion:105 Resp: 1056040
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.4 70.0



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

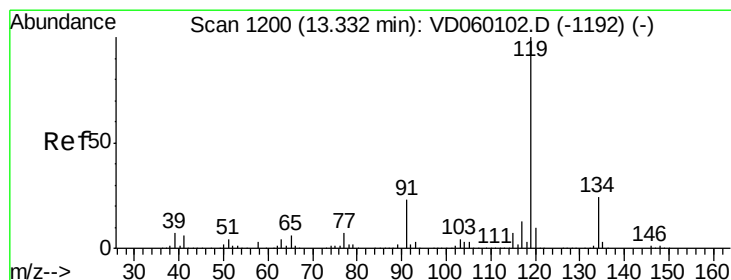
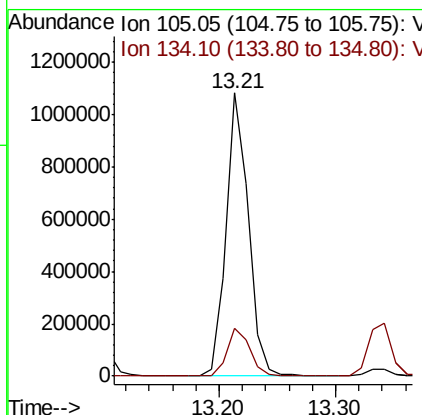
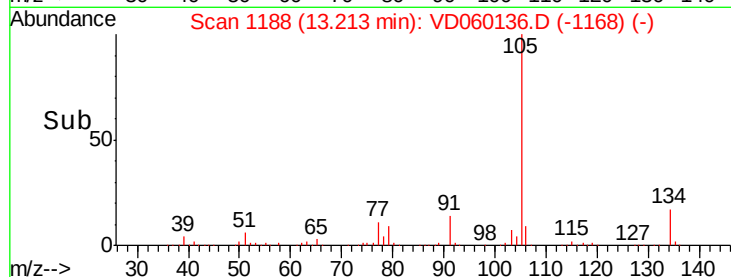
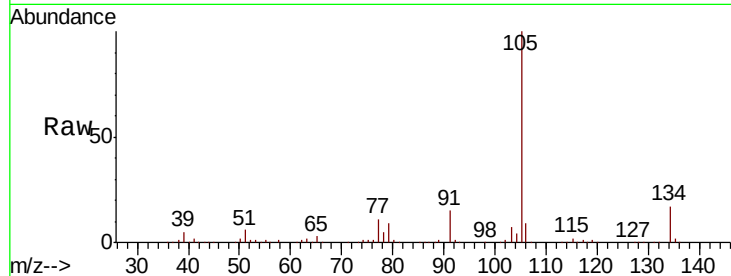




#85
 sec-Butylbenzene
 Concen: 21.072 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

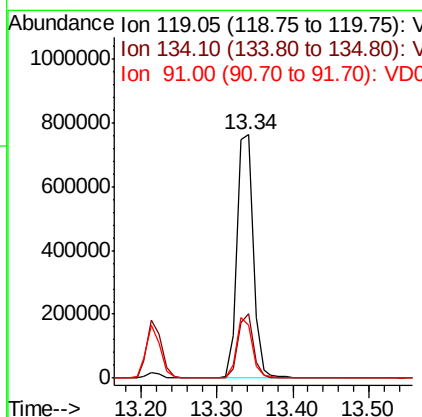
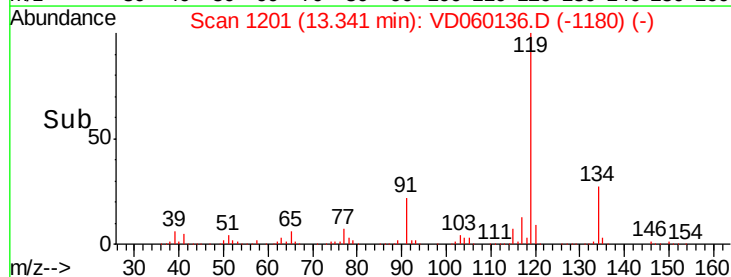
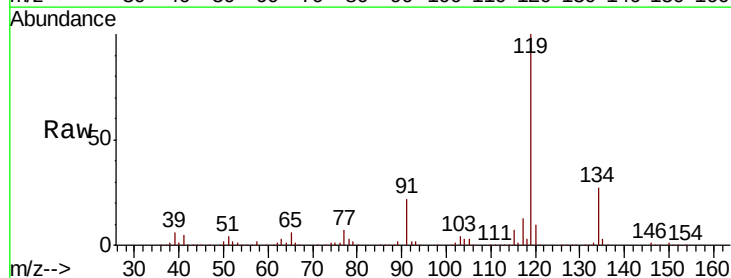
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

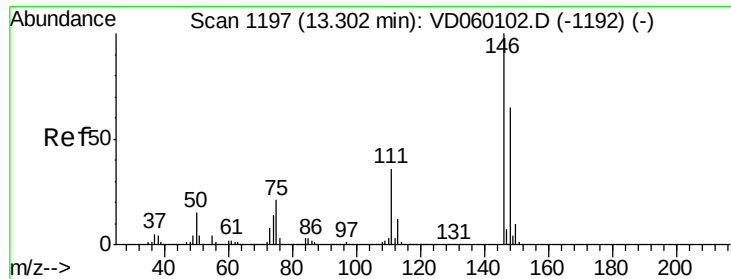
Tgt Ion:105 Resp: 1424039
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 20.126 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion:119 Resp: 1115573
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.3 36.8
 91 21.8 11.8 35.4

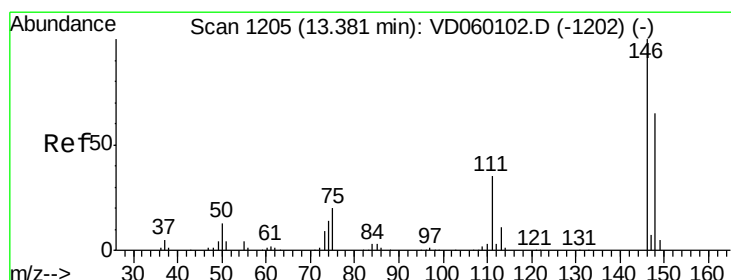
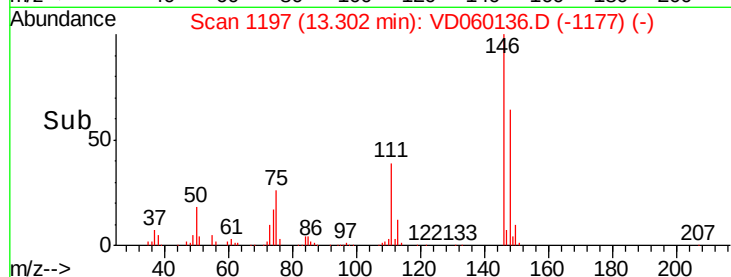
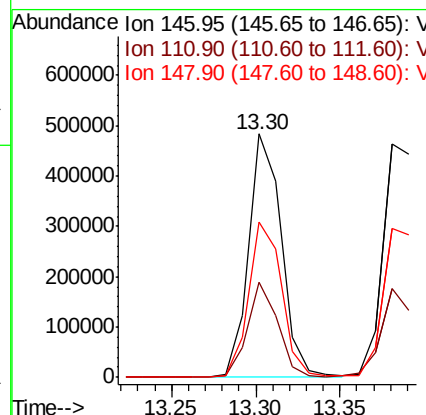
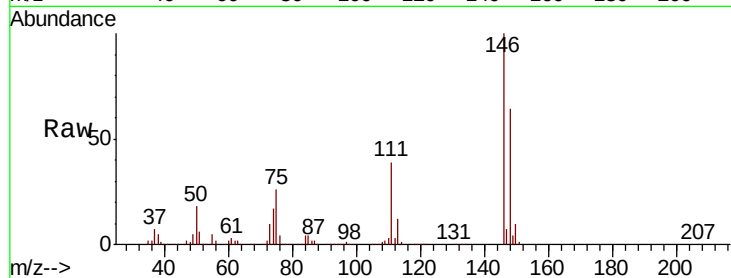




#87
 1,3-Dichlorobenzene
 Concen: 20.008 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

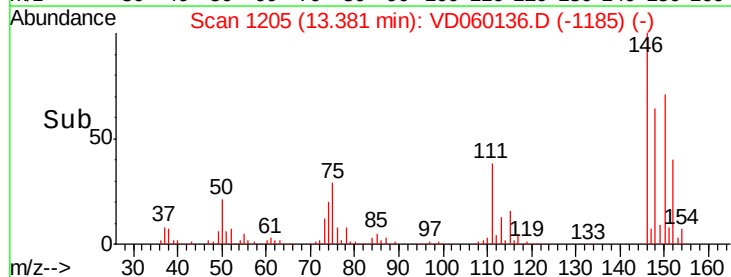
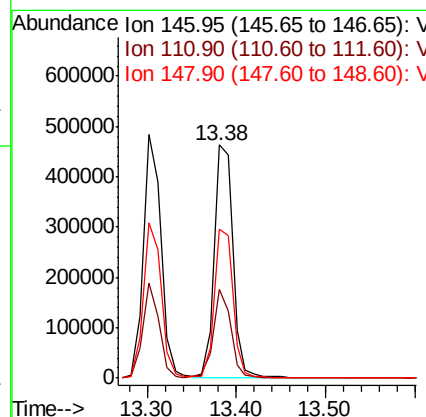
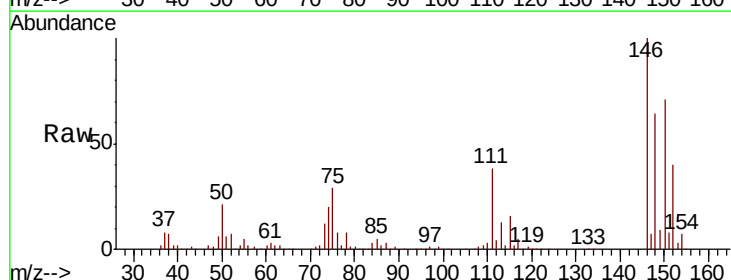
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

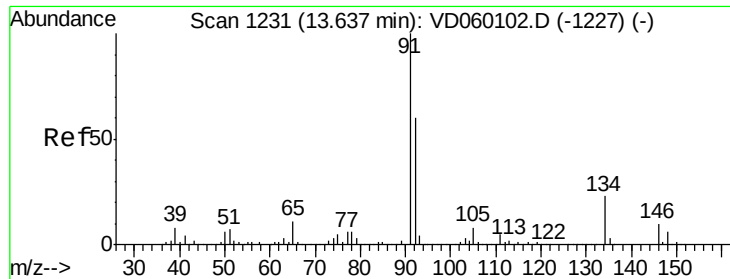
Tgt Ion:146 Resp: 651906
 Ion Ratio Lower Upper
 146 100
 111 39.0 18.1 54.3
 148 63.7 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 20.450 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion:146 Resp: 669273
 Ion Ratio Lower Upper
 146 100
 111 37.8 17.8 53.3
 148 64.0 32.4 97.2

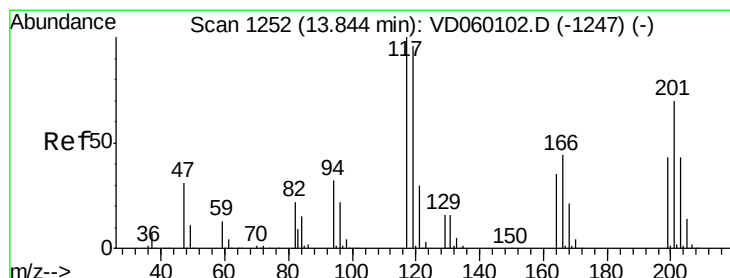
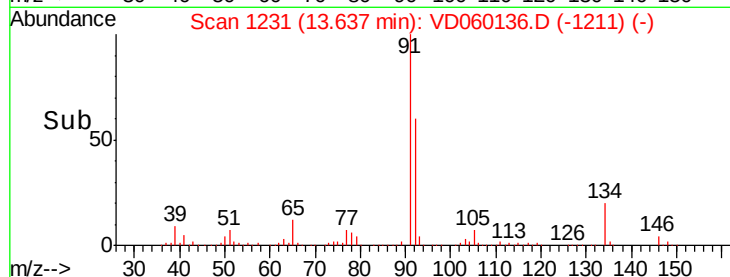
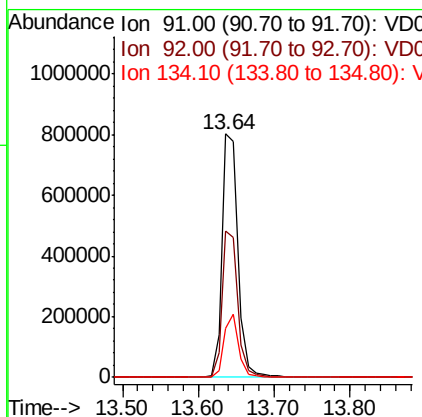
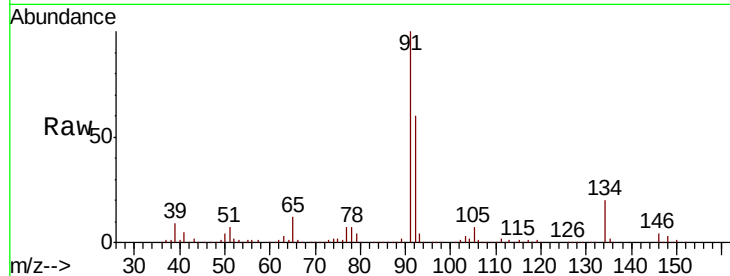




#89
n-Butylbenzene
Concen: 21.752 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

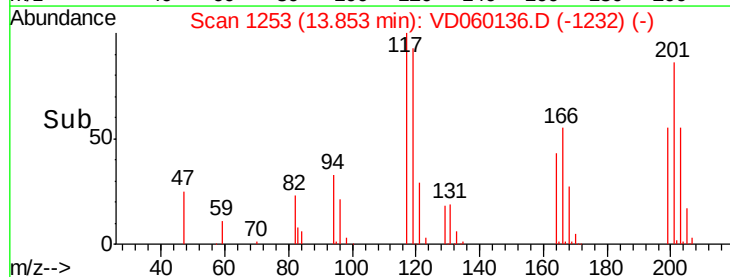
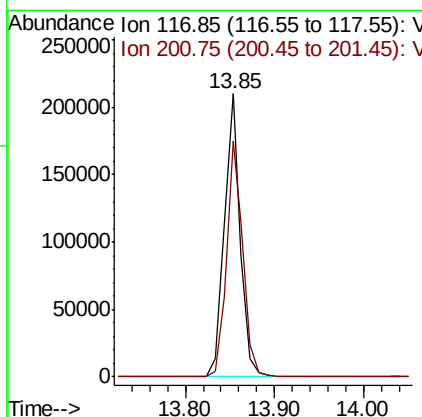
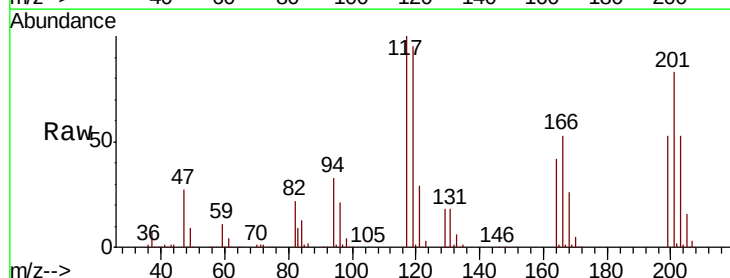
Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

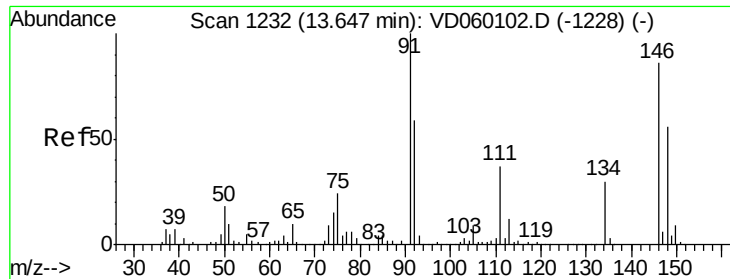
Tgt Ion: 91 Resp: 1176485
Ion Ratio Lower Upper
91 100
92 60.2 30.1 90.3
134 20.2 11.6 34.7



#90
Hexachloroethane
Concen: 20.646 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion: 117 Resp: 264853
Ion Ratio Lower Upper
117 100
201 83.5 34.8 104.5

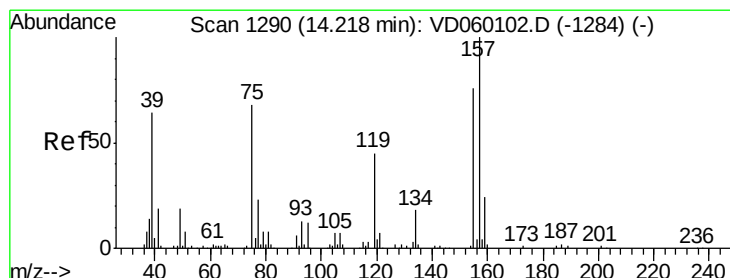
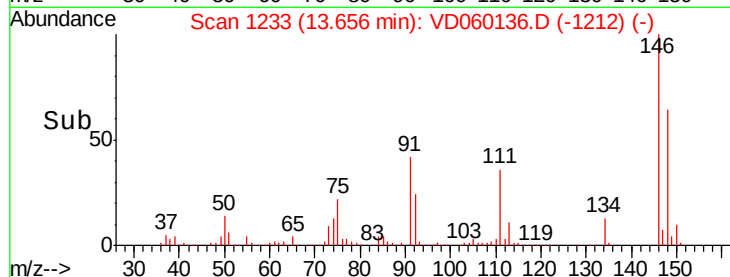
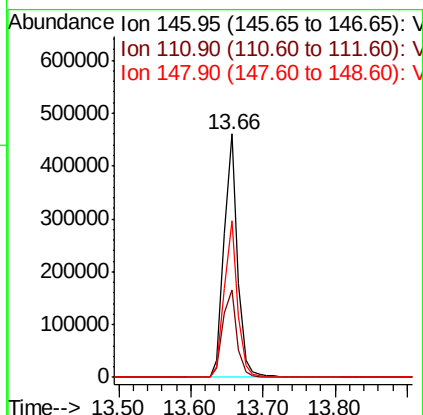
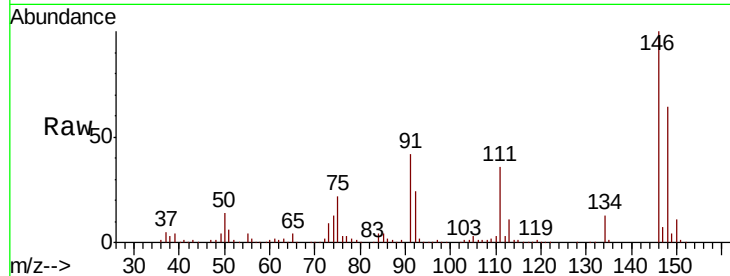




#91
 1,2-Dichlorobenzene
 Concen: 21.590 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

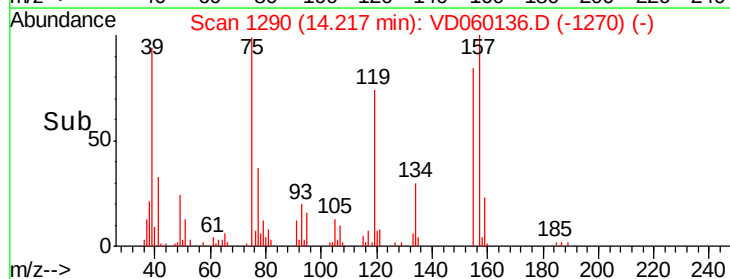
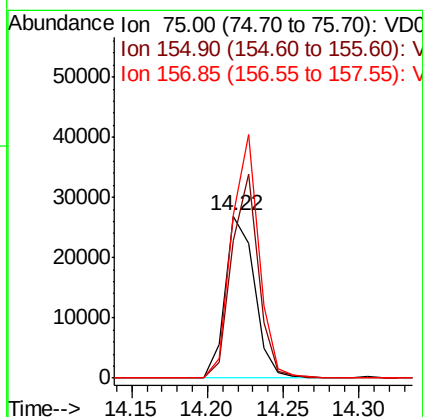
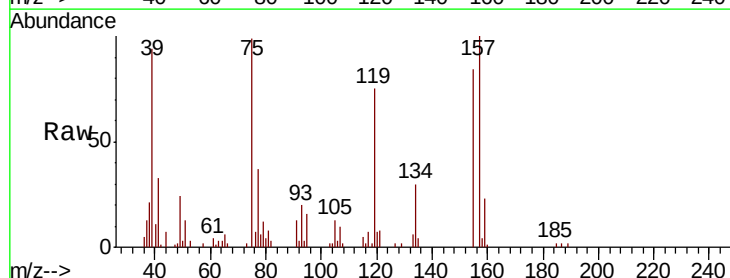
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1005SBS01

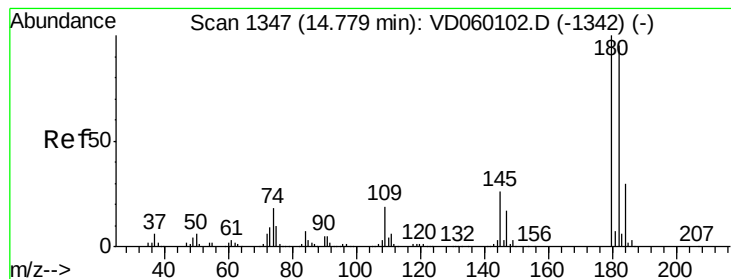
Tgt Ion: 146 Resp: 591475
 Ion Ratio Lower Upper
 146 100
 111 36.1 21.4 64.3
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.277 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD060136.D
 Acq: 5 Oct 2018 12:40

Tgt Ion: 75 Resp: 36162
 Ion Ratio Lower Upper
 75 100
 155 84.5 55.9 167.7
 157 100.7 73.3 219.8





#93

1,2,4-Trichlorobenzene

Concen: 19.565 ug/l

RT: 14.79 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1005SBS01

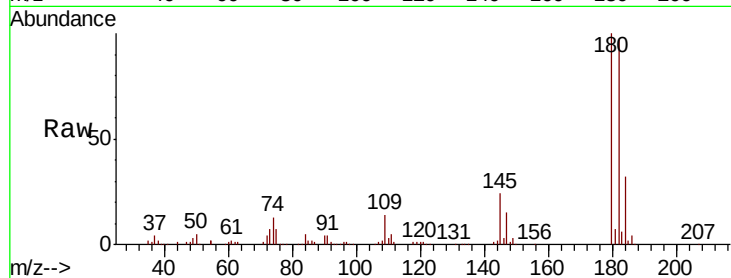
Tgt Ion:180 Resp: 454961

Ion Ratio Lower Upper

180 100

182 96.7 47.3 141.8

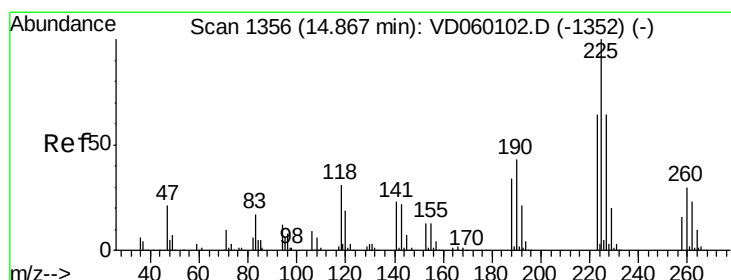
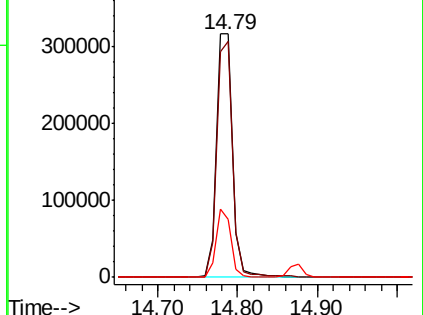
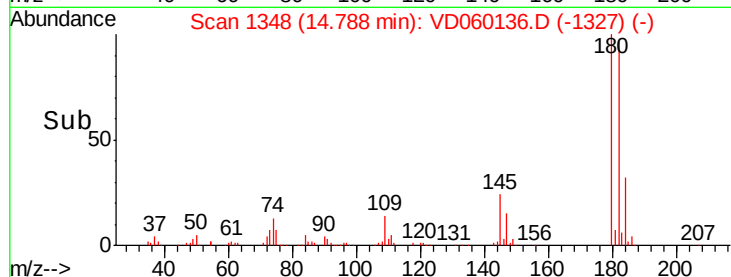
145 23.6 13.0 38.9



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: 19.793 ug/l

RT: 14.88 min Scan# 1357

Delta R.T. 0.01 min

Lab File: VD060136.D

Acq: 5 Oct 2018 12:40

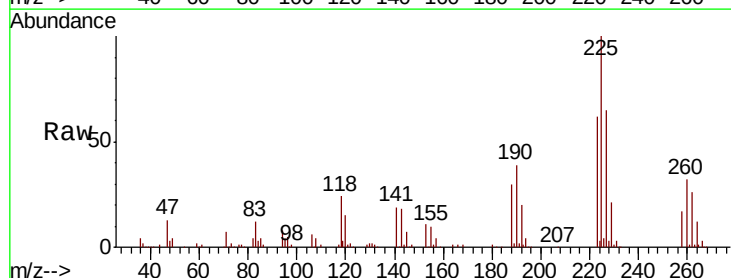
Tgt Ion:225 Resp: 305931

Ion Ratio Lower Upper

225 100

223 61.9 31.8 95.4

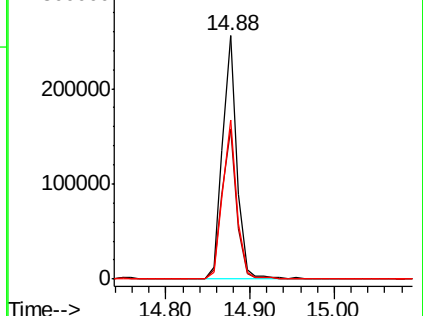
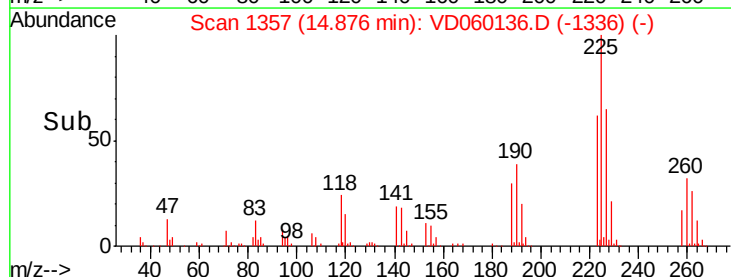
227 65.2 32.0 96.0

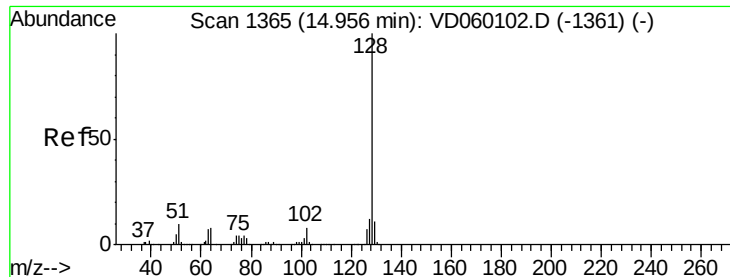


Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

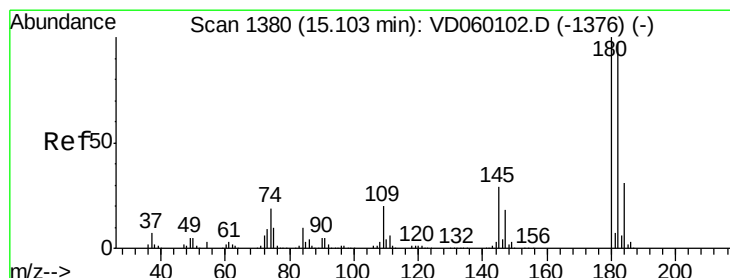
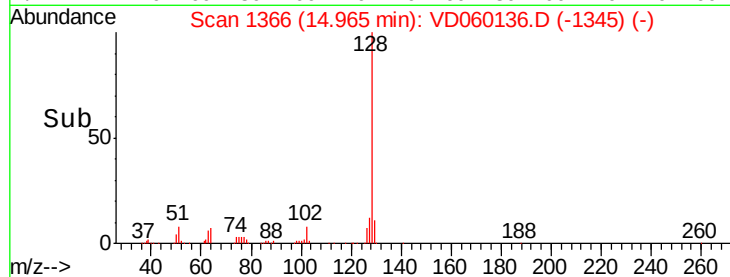
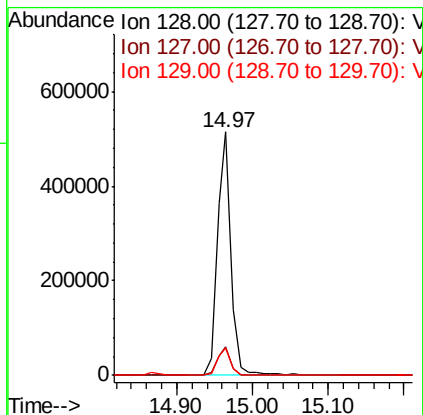
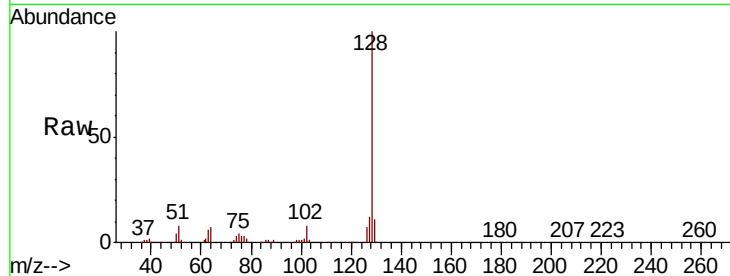




#95
Naphthalene
Concen: 18.968 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1005SBS01

Tgt Ion:128 Resp: 653807
Ion Ratio Lower Upper
128 100
127 11.9 9.9 14.9
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.139 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060136.D
Acq: 5 Oct 2018 12:40

Tgt Ion:180 Resp: 387148
Ion Ratio Lower Upper
180 100
182 97.2 48.4 145.0
145 24.6 14.5 43.6

