

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD100918\
 Data File : VD060148.D
 Acq On : 9 Oct 2018 12:40
 Operator : VA/AP
 Sample : VD1009SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Quant Time: Oct 09 14:08:48 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	1507523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2085833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1718171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	886714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	614655	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	6.29	113	842645	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
50) Toluene-d8	9.43	98	2365809	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.42	95	894412	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	213690	15.07	ug/l	95
3) Chloromethane	1.73	50	283590	22.18	ug/l	99
4) Vinyl Chloride	1.83	62	225120	21.51	ug/l	98
5) Bromomethane	2.11	94	21455	16.33	ug/l	97
6) Chloroethane	2.21	64	54157	18.96	ug/l	95
7) Trichlorofluoromethane	2.47	101	268664	21.44	ug/l	100
8) Diethyl Ether	2.80	74	58976	22.89	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.05	101	181668	23.27	ug/l	96
10) Methyl Iodide	3.21	142	174201	21.04	ug/l	95
11) Tert butyl alcohol	3.94	59	91082	111.14	ug/l	100
12) 1,1-Dichloroethene	3.04	96	141293	22.98	ug/l	89
13) Acrolein	2.95	56	48500	96.00	ug/l	88
14) Allyl chloride	3.49	41	285512	22.35	ug/l	95
15) Acrylonitrile	4.04	53	379592	111.90	ug/l	98
16) Acetone	3.13	43	238850	115.19	ug/l	99
17) Carbon Disulfide	3.28	76	455247	22.01	ug/l	100
18) Methyl Acetate	3.52	43	94367	21.17	ug/l	100
19) Methyl tert-butyl Ether	4.08	73	601926	22.26	ug/l	96
20) Methylene Chloride	3.68	84	352226	18.91	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	340485	21.44	ug/l	93
22) Diisopropyl ether	4.82	45	1273475	22.33	ug/l	98
23) Vinyl Acetate	4.76	43	3604831	112.43	ug/l	98
24) 1,1-Dichloroethane	4.71	63	564537	21.83	ug/l	99
25) 2-Butanone	5.59	43	595320	114.92	ug/l	96
26) 2,2-Dichloropropane	5.55	77	443762	22.63	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	357806	21.26	ug/l	94
28) Bromochloromethane	5.90	49	266295	21.19	ug/l	91
29) Tetrahydrofuran	5.92	42	326083	108.37	ug/l	100
30) Chloroform	6.07	83	578631	22.12	ug/l	99
31) Cyclohexane	6.34	56	514248	20.77	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	472775	22.06	ug/l	99
36) 1,1-Dichloropropene	6.50	75	435555	21.85	ug/l	98
37) Ethyl Acetate	5.67	43	294348	22.25	ug/l	97
38) Carbon Tetrachloride	6.47	117	396269	21.90	ug/l	100

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VD1009SBS01

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 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	8.01	83	484320	21.39	ug/l	98
40) Benzene	6.76	78	1121594	21.51	ug/l	100
41) Methacrylonitrile	5.91	41	333962	44.66	ug/l #	90
42) 1,2-Dichloroethane	6.87	62	326786	21.86	ug/l	97
43) Isopropyl Acetate	8.33	43	371755	21.36	ug/l #	99
44) Trichloroethene	7.72	130	346093	21.44	ug/l	98
45) 1,2-Dichloropropane	8.08	63	290925	21.31	ug/l	95
46) Dibromomethane	8.19	93	189742	21.46	ug/l	99
47) Bromodichloromethane	8.46	83	417968	22.19	ug/l	99
48) Methyl methacrylate	8.22	41	220272	22.22	ug/l	97
49) 1,4-Dioxane	8.21	88	40796	418.20	ug/l #	87
51) 4-Methyl-2-Pentanone	9.32	43	1209283	110.15	ug/l	97
52) Toluene	9.53	92	731193	21.77	ug/l	98
53) t-1,3-Dichloropropene	9.90	75	371648	21.81	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	464194	22.06	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	237614	21.64	ug/l	100
56) Ethyl methacrylate	10.01	69	264808	21.85	ug/l	94
57) 1,3-Dichloropropane	10.36	76	353952	21.14	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	738110	109.68	ug/l	93
59) 2-Hexanone	10.47	43	928218	117.58	ug/l	99
60) Dibromochloromethane	10.63	129	299773	22.25	ug/l	99
61) 1,2-Dibromoethane	10.75	107	256913	22.02	ug/l	98
64) Tetrachloroethene	10.23	164	314843	20.92	ug/l	98
65) Chlorobenzene	11.30	112	810825	21.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	281288	22.68	ug/l	97
67) Ethyl Benzene	11.42	91	1392866	23.13	ug/l	98
68) m/p-Xylenes	11.55	106	1011307	44.94	ug/l	99
69) o-Xylene	11.93	106	496569	22.31	ug/l	95
70) Styrene	11.95	104	819994	22.03	ug/l	98
71) Bromoform	12.10	173	214555	21.37	ug/l	100
73) Isopropylbenzene	12.26	105	1337963	22.87	ug/l	97
74) N-amyl acetate	12.12	43	488753	22.81	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	286576	22.44	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	278106	21.78	ug/l	98
77) Bromobenzene	12.53	156	387278	22.78	ug/l	99
78) n-propylbenzene	12.63	91	1690230	23.27	ug/l	98
79) 2-Chlorotoluene	12.70	91	920044	22.82	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	1051592	23.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	81710	22.77	ug/l	99
82) 4-Chlorotoluene	12.80	91	1073443	23.54	ug/l	99
83) tert-Butylbenzene	13.04	119	1201240	23.12	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1087389	22.79	ug/l	100
85) sec-Butylbenzene	13.22	105	1371401	22.32	ug/l	99
86) p-Isopropyltoluene	13.33	119	1154830	22.92	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	683507	23.08	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	661022	22.22	ug/l	97
89) n-Butylbenzene	13.64	91	1169192	23.78	ug/l	100
90) Hexachloroethane	13.85	117	259135	22.22	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	570788	22.92	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	38652	22.67	ug/l	94

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Instrument :
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ClientSampleId :
VD1009SBSD01

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration

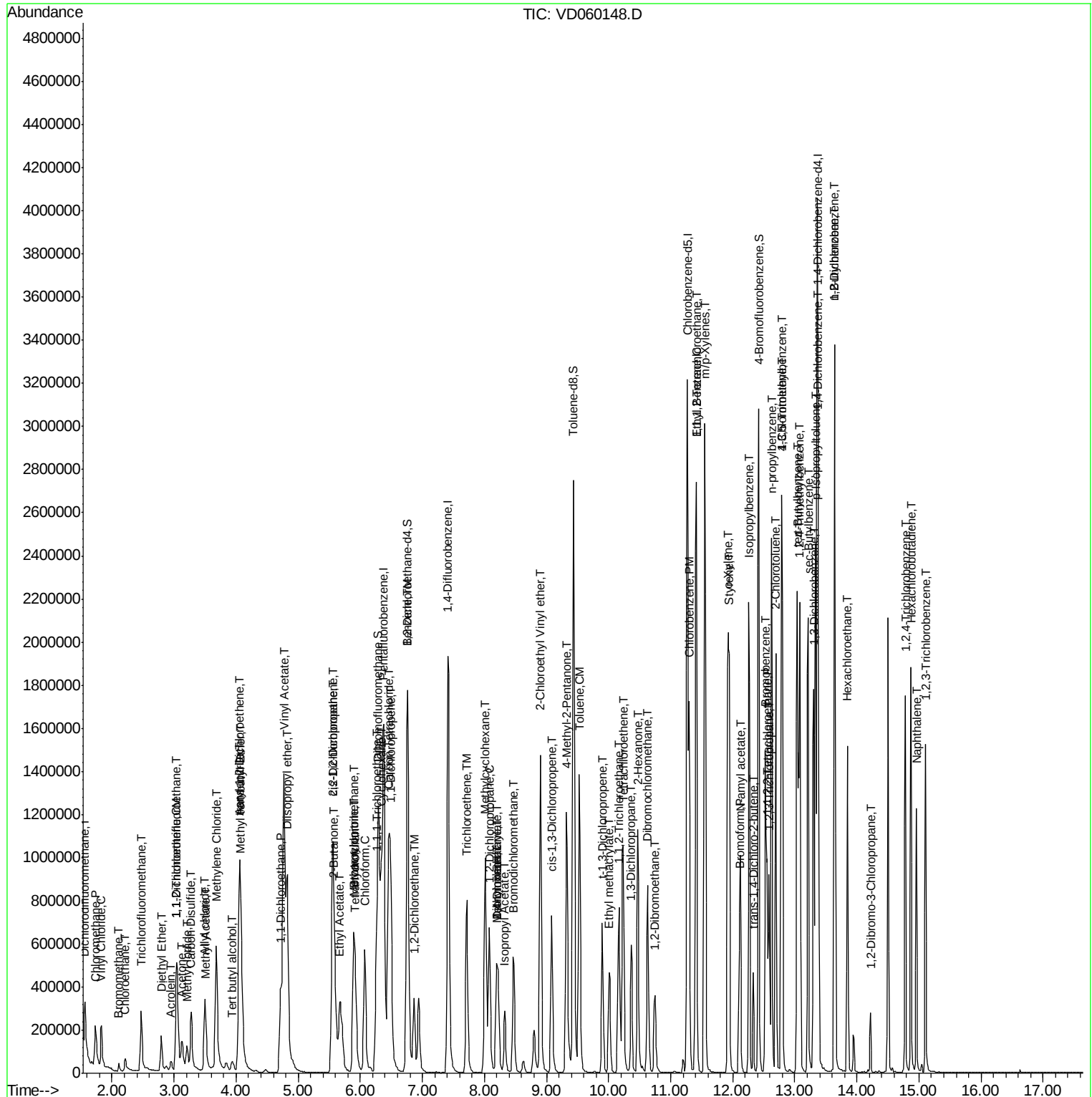
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	474976	22.47	ug/l	98
94) Hexachlorobutadiene	14.87	225	316743	22.54	ug/l	98
95) Naphthalene	14.96	128	675238	21.55	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	392810	21.36	ug/l	99

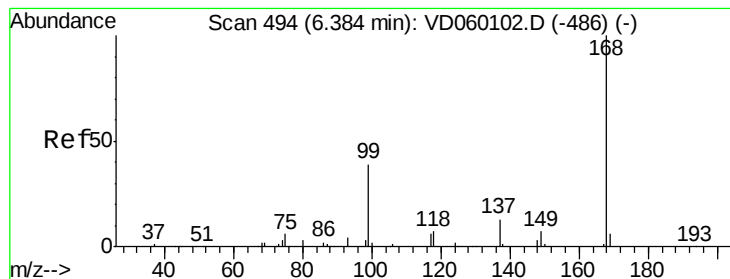
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD100918\
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ClientSampleID :
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

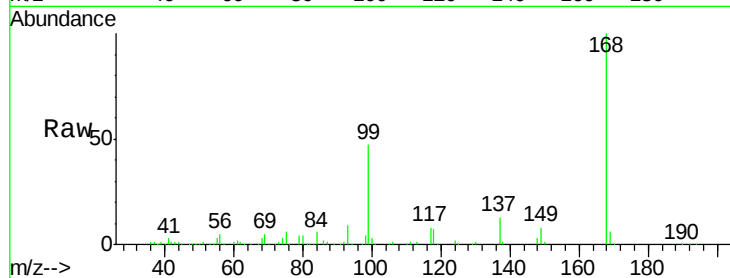
VD1009SBSD01

Tgt Ion:168 Resp: 1507523

Ion Ratio Lower Upper

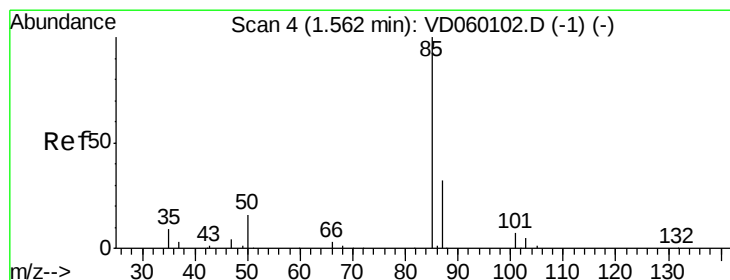
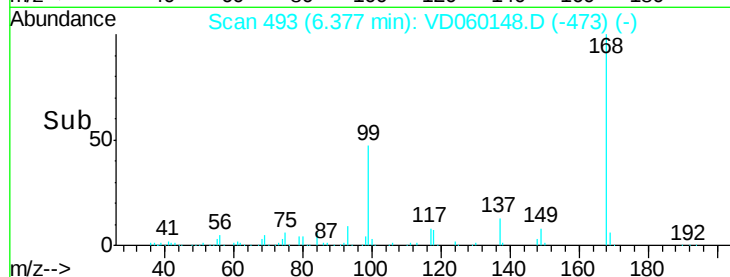
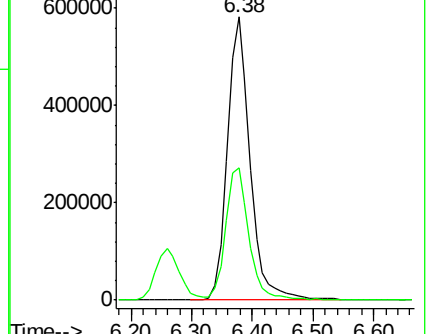
168 100

99 46.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 15.07 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060148.D

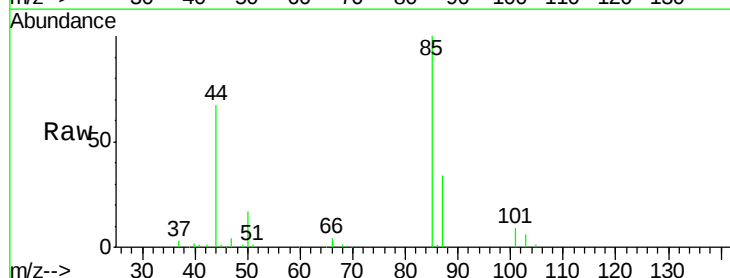
Acq: 9 Oct 2018 12:40

Tgt Ion: 85 Resp: 213690

Ion Ratio Lower Upper

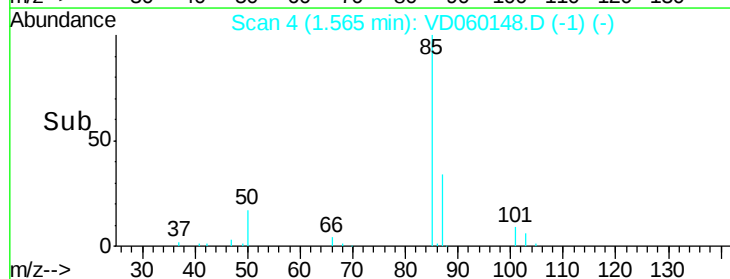
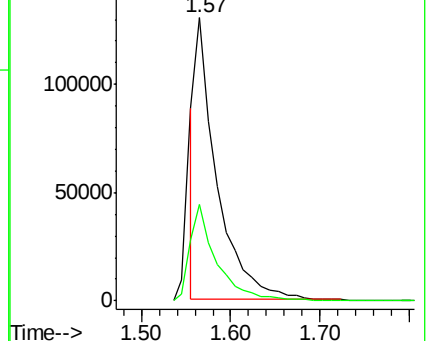
85 100

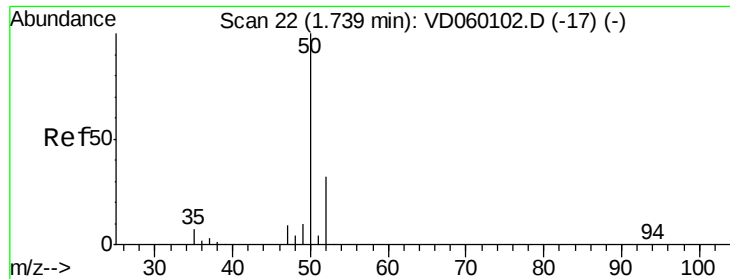
87 34.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.18 ug/l

RT: 1.73 min Scan# 21

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

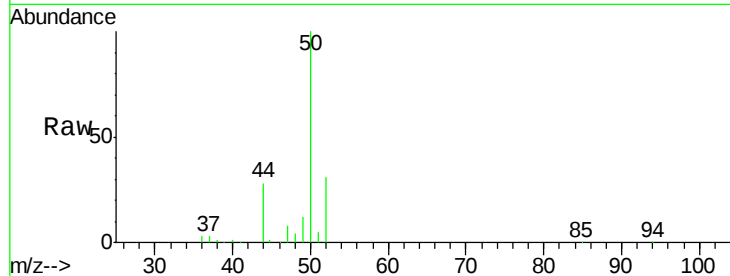
VD1009SBSD01

Tgt Ion: 50 Resp: 283590

Ion Ratio Lower Upper

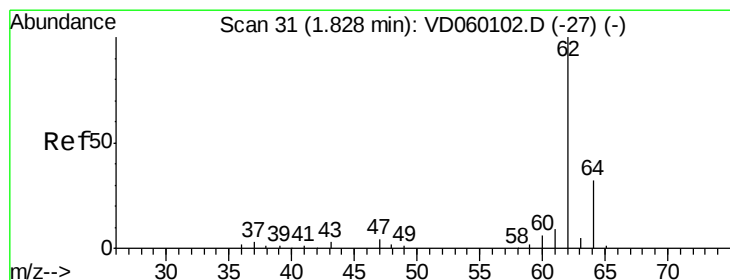
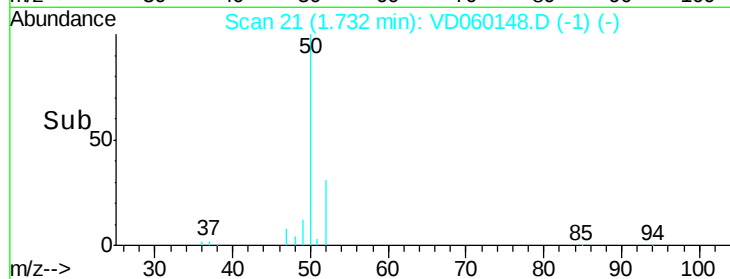
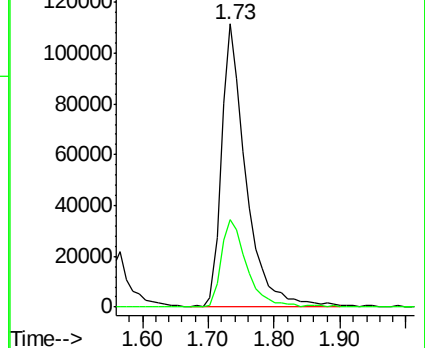
50 100

52 31.0 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.51 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060148.D

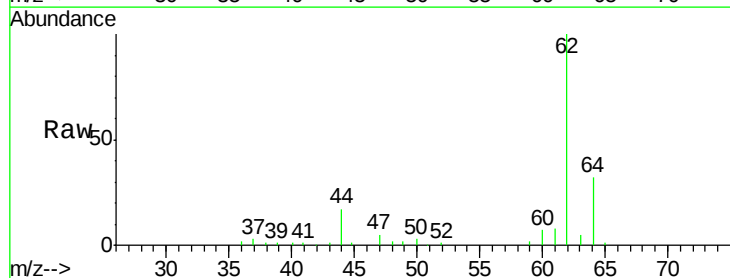
Acq: 9 Oct 2018 12:40

Tgt Ion: 62 Resp: 225120

Ion Ratio Lower Upper

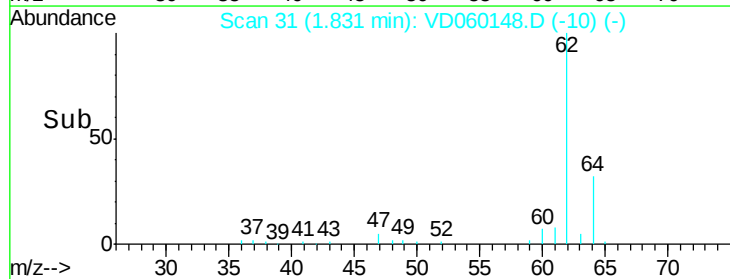
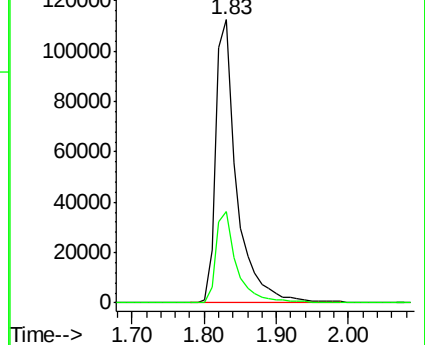
62 100

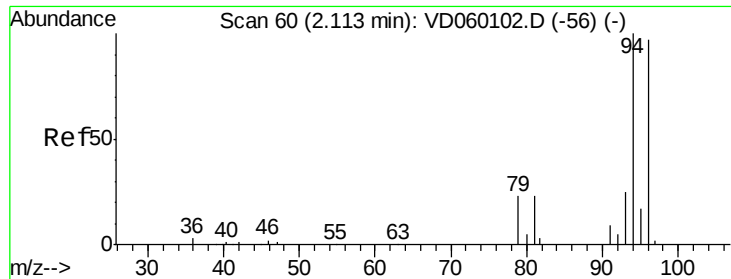
64 32.4 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.33 ug/l

RT: 2.11 min Scan# 59

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

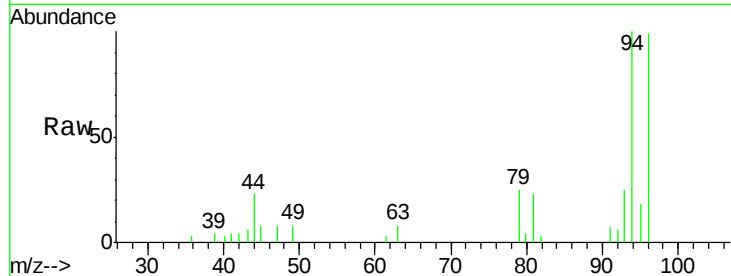
VD1009SBSD01

Tgt Ion: 94 Resp: 21455

Ion Ratio Lower Upper

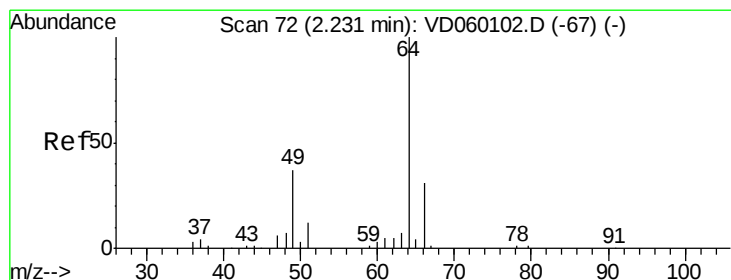
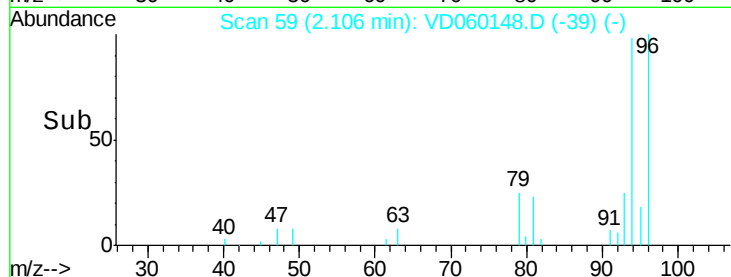
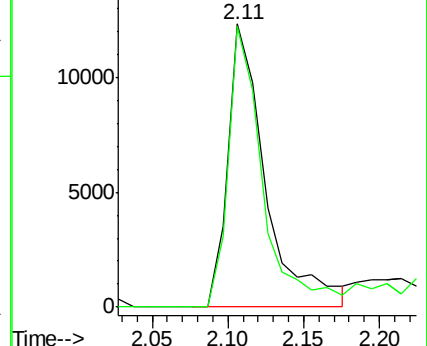
94 100

96 99.4 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: 18.96 ug/l

RT: 2.21 min Scan# 70

Delta R.T. -0.02 min

Lab File: VD060148.D

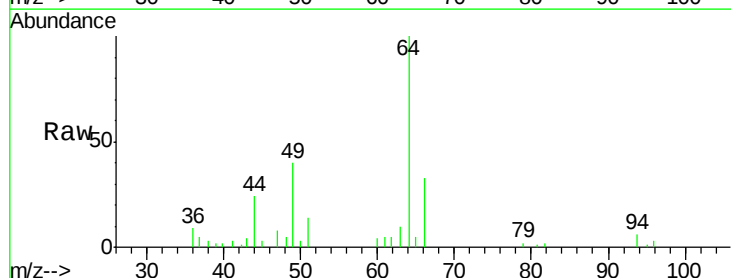
Acq: 9 Oct 2018 12:40

Tgt Ion: 64 Resp: 54157

Ion Ratio Lower Upper

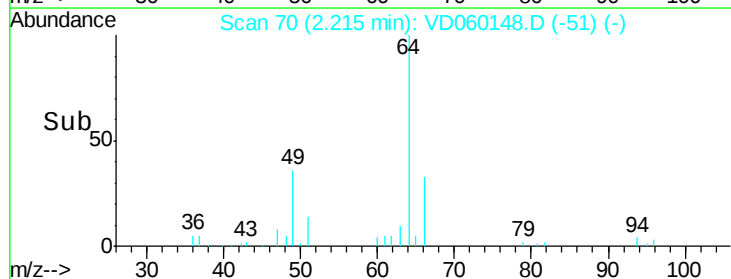
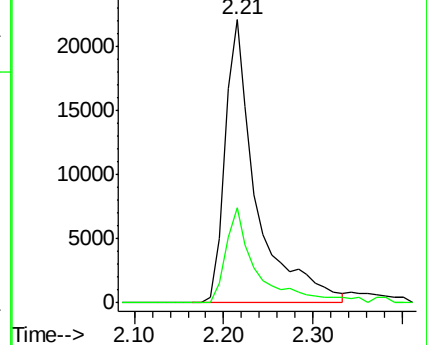
64 100

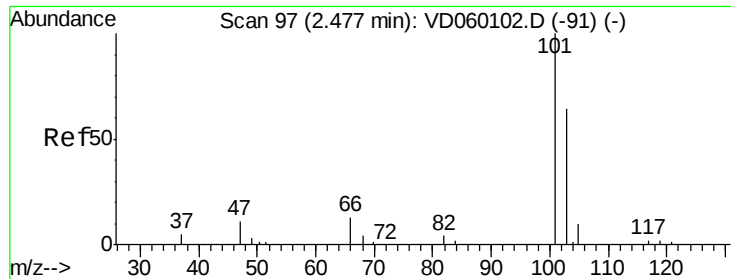
66 33.4 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.44 ug/l

RT: 2.47 min Scan# 96

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

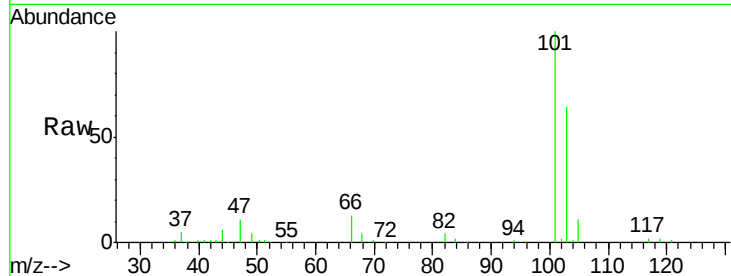
VD1009SBSD01

Tgt Ion: 101 Resp: 268664

Ion Ratio Lower Upper

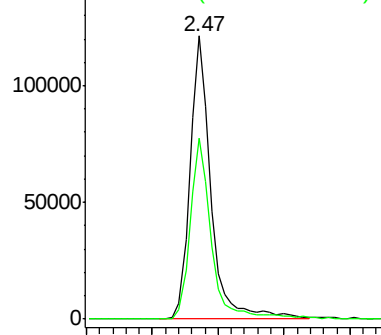
101 100

103 64.0 51.5 77.3

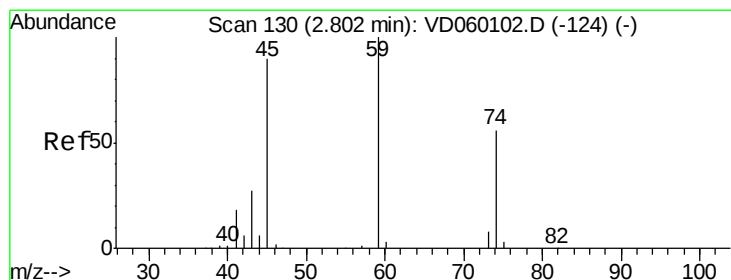
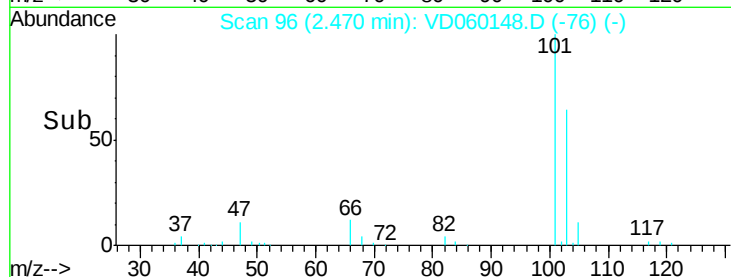


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



Time--> 2.30 2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 22.89 ug/l

RT: 2.80 min Scan# 129

Delta R.T. -0.01 min

Lab File: VD060148.D

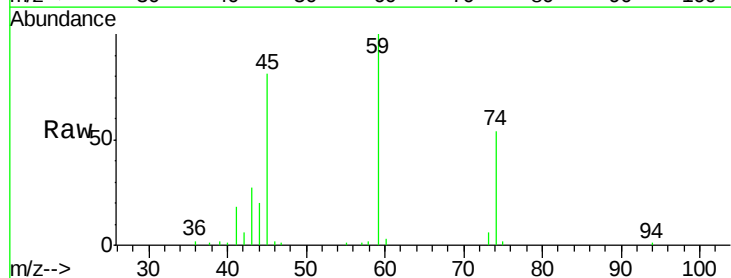
Acq: 9 Oct 2018 12:40

Tgt Ion: 74 Resp: 58976

Ion Ratio Lower Upper

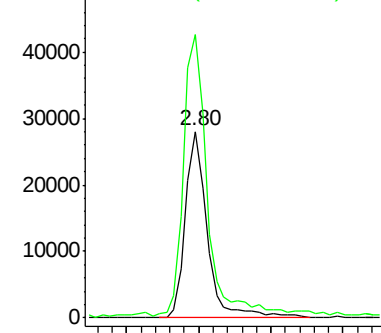
74 100

45 151.9 80.3 241.0

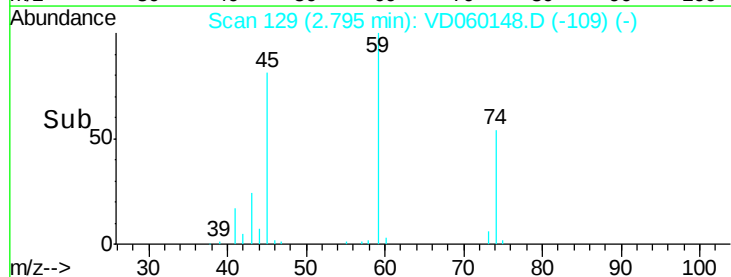


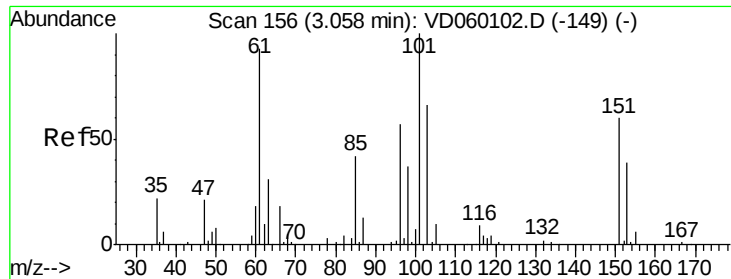
Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



Time--> 2.70 2.80 2.90 3.00





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.27 ug/l

RT: 3.05 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

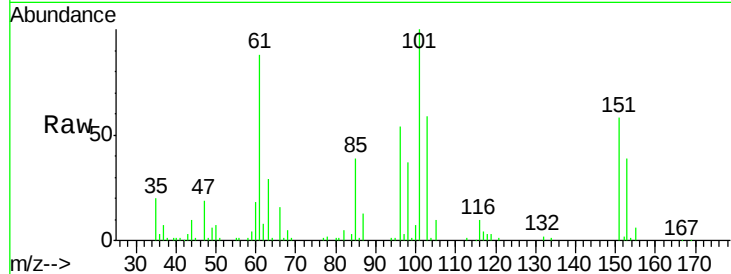
Tgt Ion:101 Resp: 181668

Ion Ratio Lower Upper

101 100

85 38.7 33.4 50.0

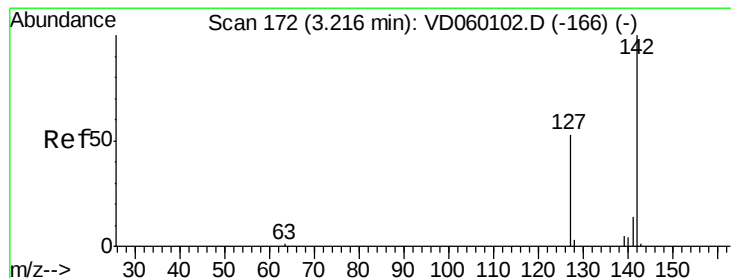
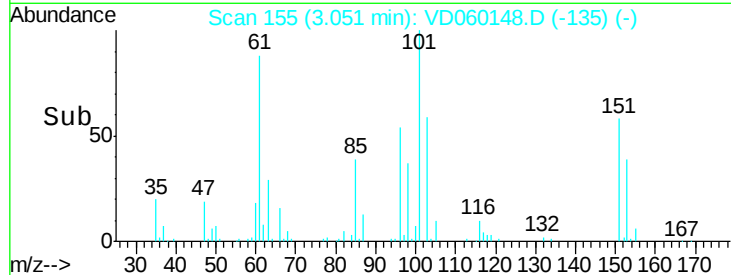
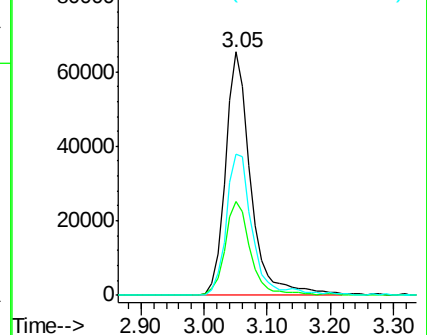
151 58.0 48.0 72.0



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: 21.04 ug/l

RT: 3.21 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

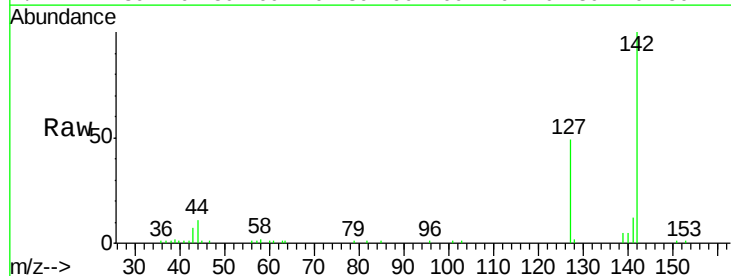
Tgt Ion:142 Resp: 174201

Ion Ratio Lower Upper

142 100

127 49.1 42.0 63.0

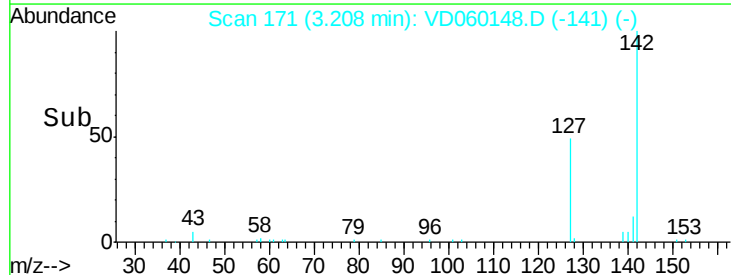
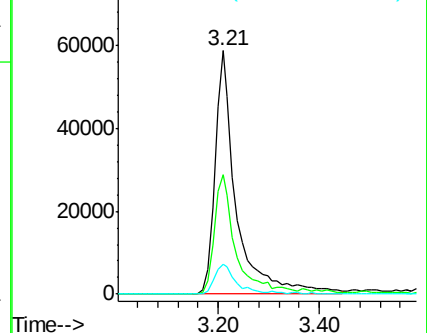
141 12.3 11.4 17.0

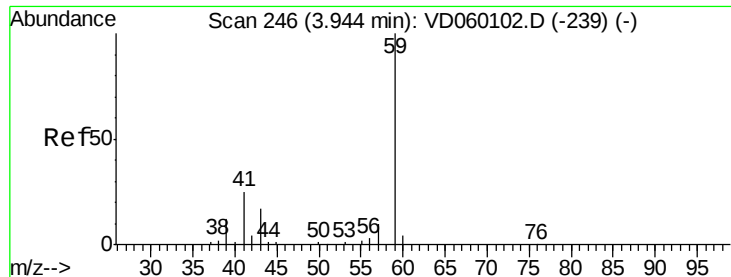


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

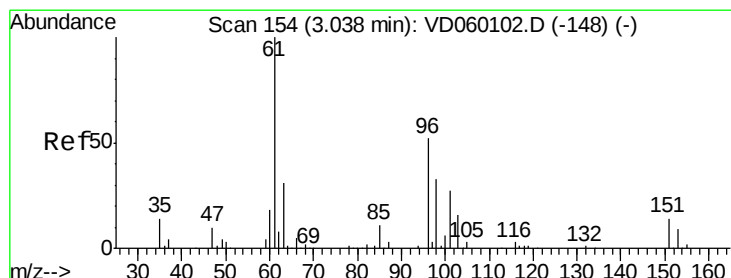
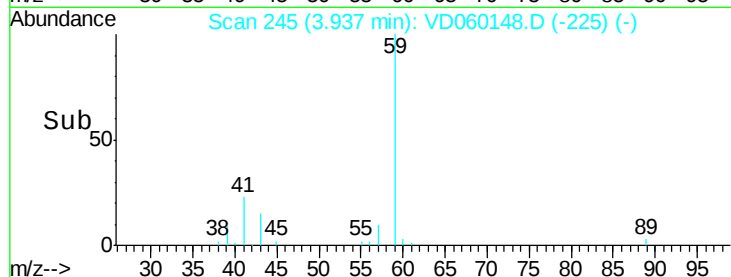
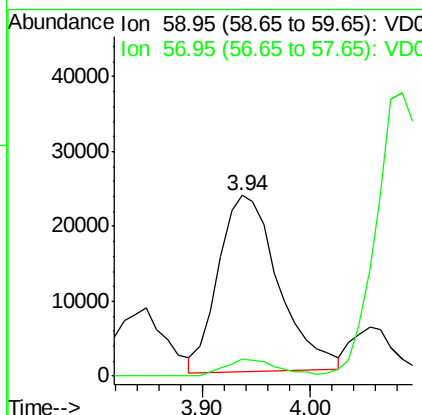
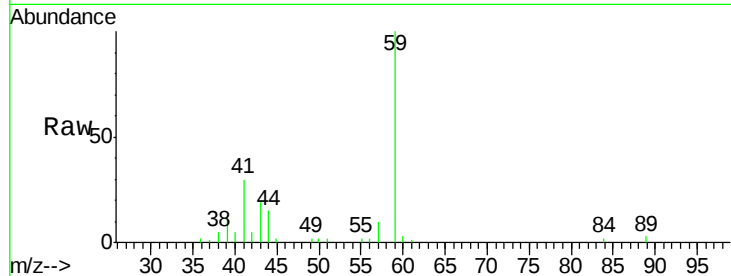




#11
Tert butyl alcohol
Concen: 111.14 ug/l
RT: 3.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

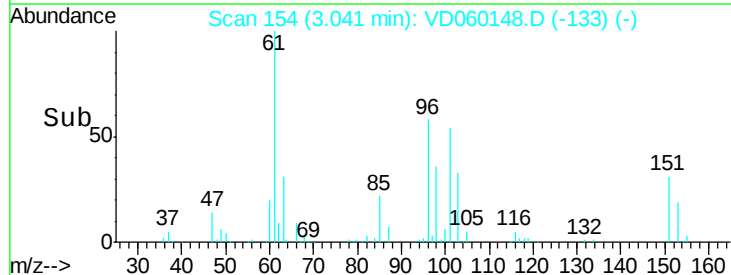
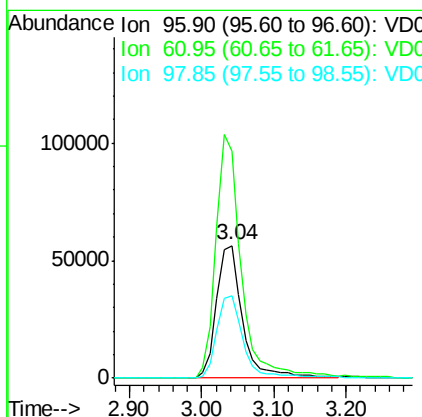
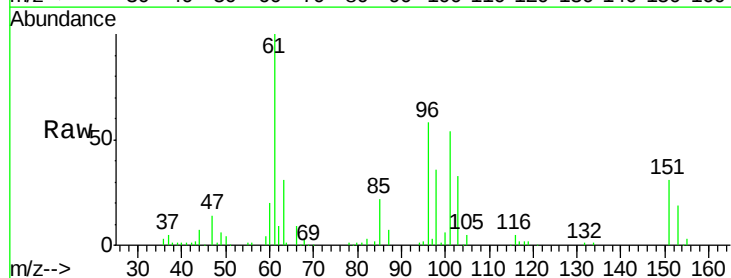
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

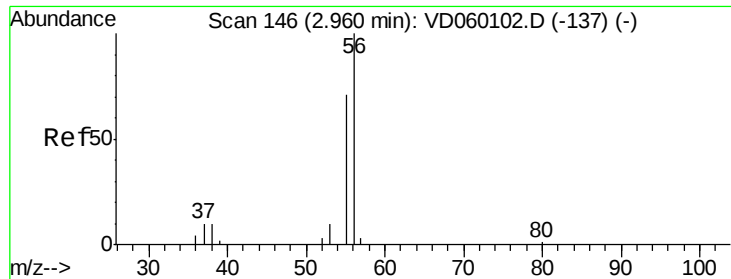
Tgt Ion: 59 Resp: 91082
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6



#12
1,1-Dichloroethene
Concen: 22.98 ug/l
RT: 3.04 min Scan# 154
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 96 Resp: 141293
Ion Ratio Lower Upper
96 100
61 171.2 153.0 229.4
98 61.8 51.1 76.7





#13

Acrolein

Concen: 96.00 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

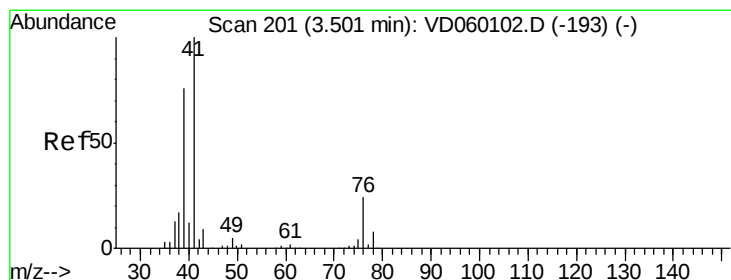
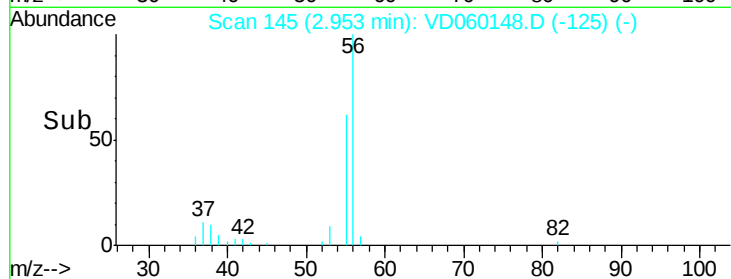
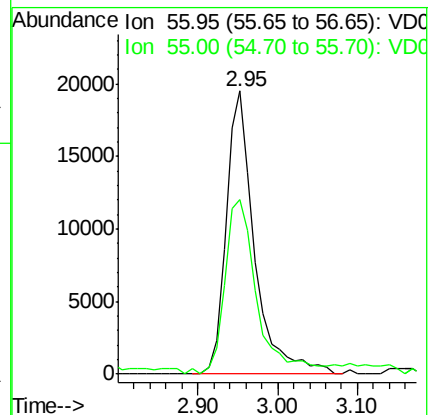
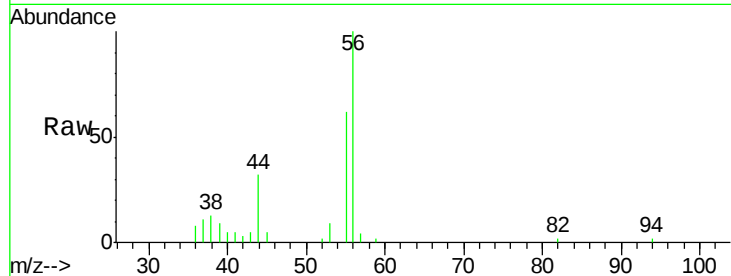
VD1009SBSD01

Tgt Ion: 56 Resp: 48500

Ion Ratio Lower Upper

56 100

55 61.6 57.4 86.2



#14

Allyl chloride

Concen: 22.35 ug/l

RT: 3.49 min Scan# 200

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

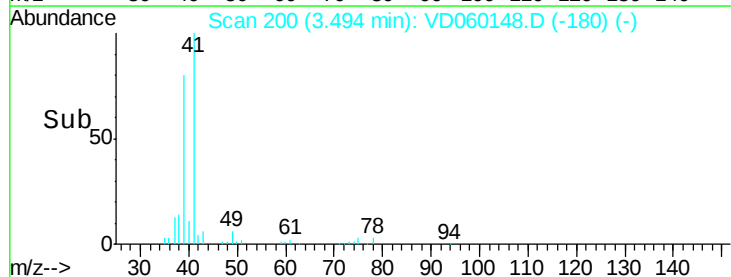
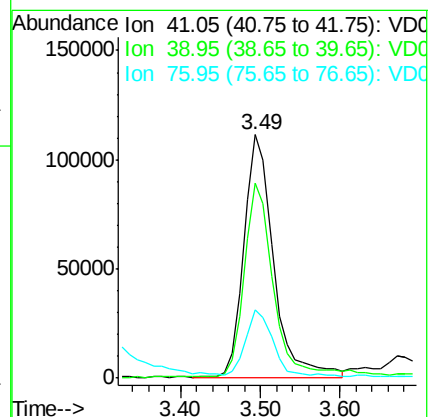
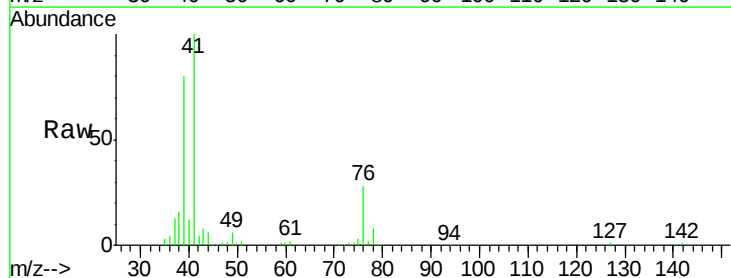
Tgt Ion: 41 Resp: 285512

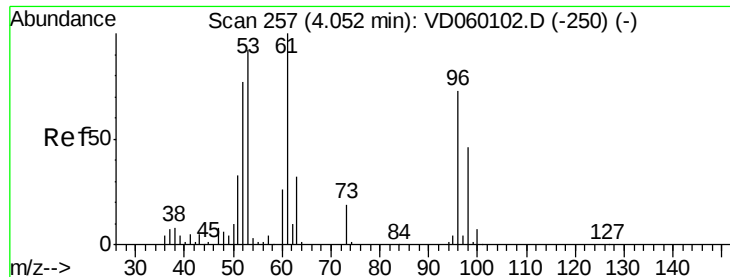
Ion Ratio Lower Upper

41 100

39 80.3 60.6 90.8

76 28.3 21.3 31.9





#15

Acrylonitrile

Concen: 111.90 ug/l

RT: 4.04 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

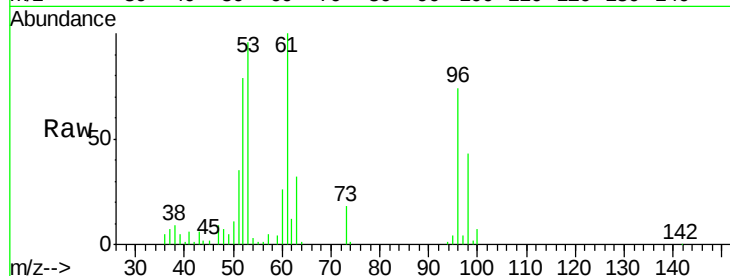
Tgt Ion: 53 Resp: 379592

Ion Ratio Lower Upper

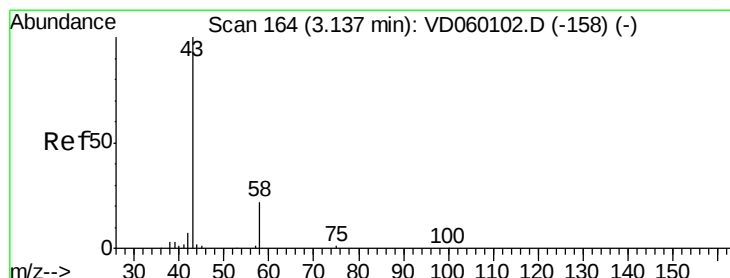
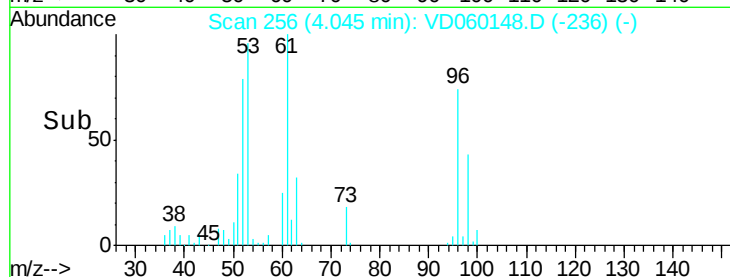
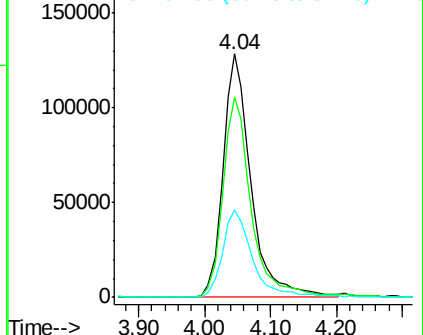
53 100

52 82.2 67.5 101.3

51 36.1 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: 115.19 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060148.D

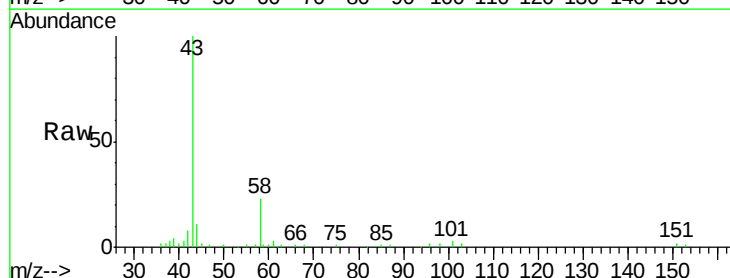
Acq: 9 Oct 2018 12:40

Tgt Ion: 43 Resp: 238850

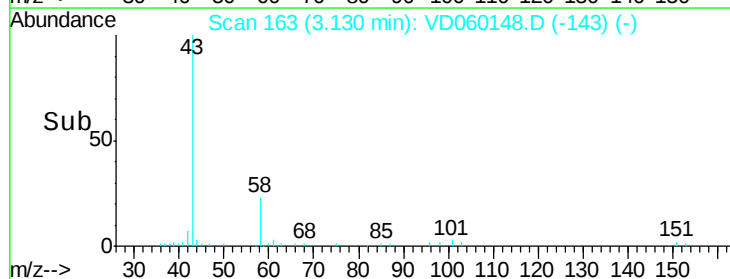
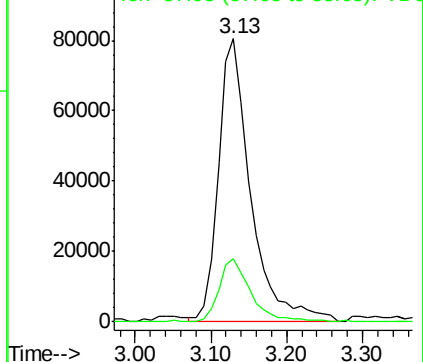
Ion Ratio Lower Upper

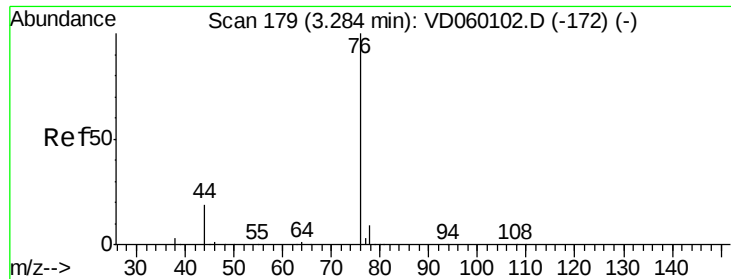
43 100

58 22.6 17.7 26.5



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

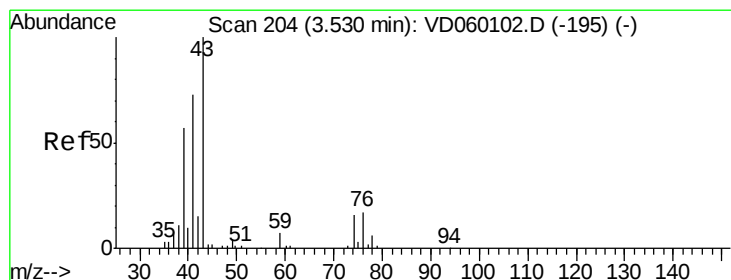
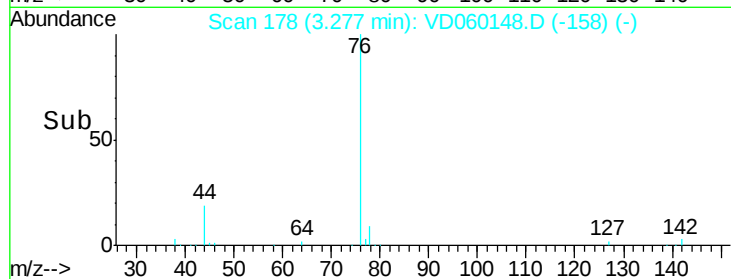
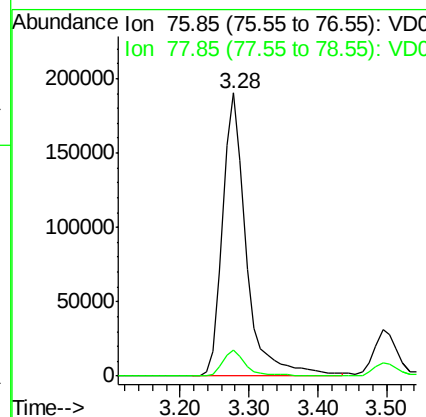
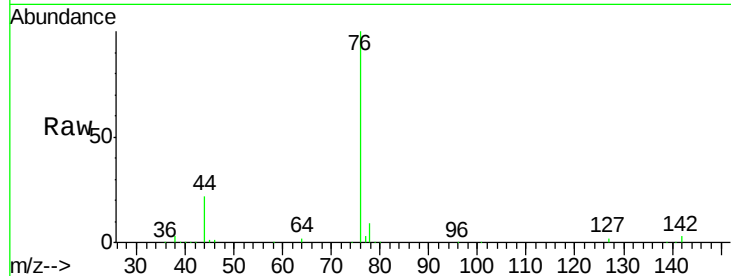




#17
Carbon Disulfide
Concen: 22.01 ug/l
RT: 3.28 min Scan# 178
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

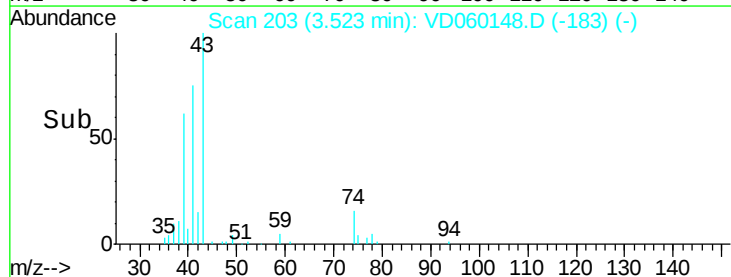
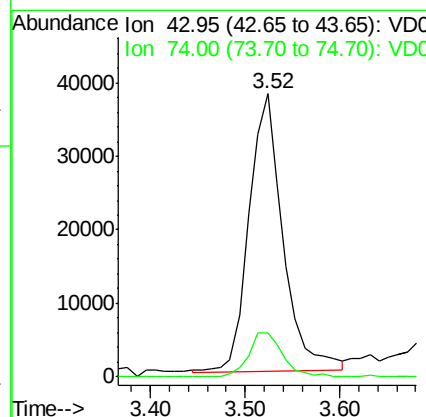
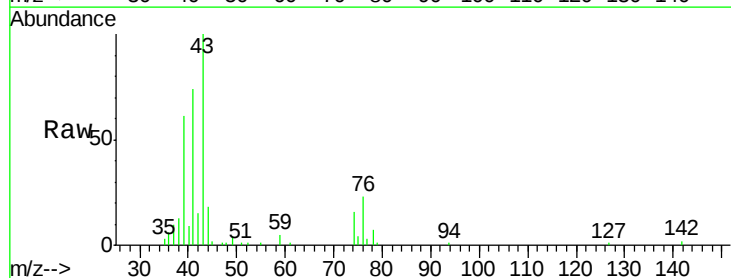
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

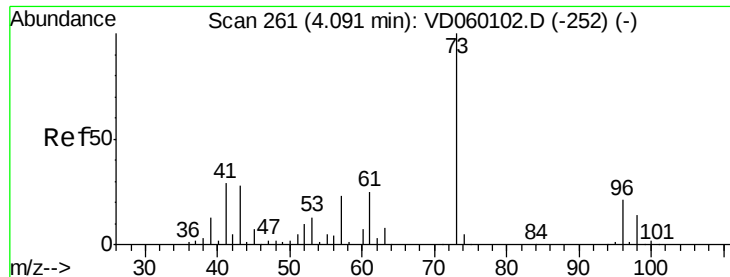
Tgt Ion: 76 Resp: 455247
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2



#18
Methyl Acetate
Concen: 21.17 ug/l
RT: 3.52 min Scan# 203
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 43 Resp: 94367
Ion Ratio Lower Upper
43 100
74 15.7 12.6 19.0

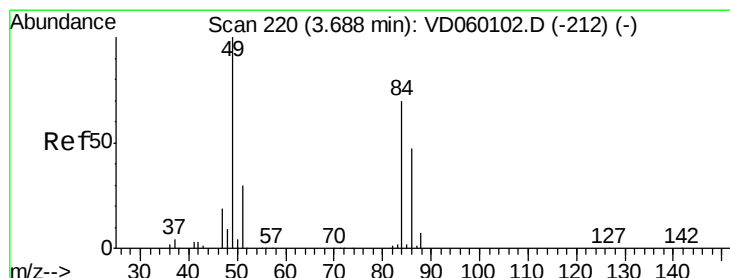
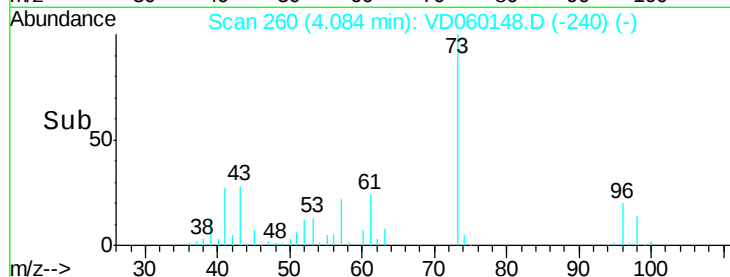
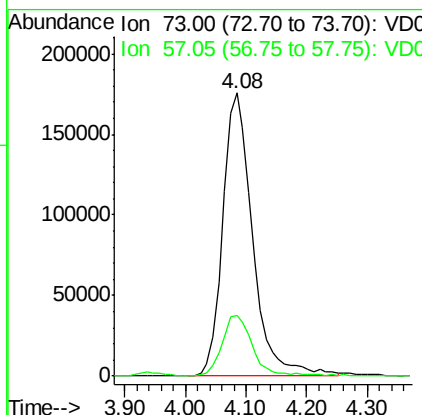
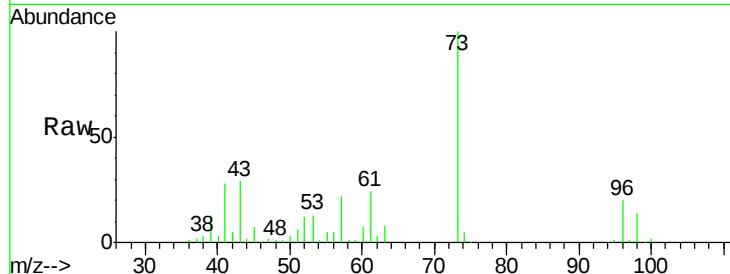




#19
Methyl tert-butyl Ether
Concen: 22.26 ug/l
RT: 4.08 min Scan# 260
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

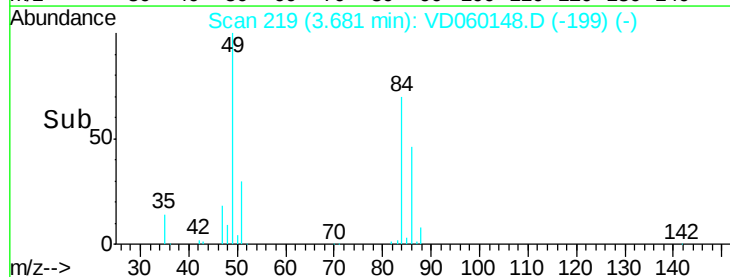
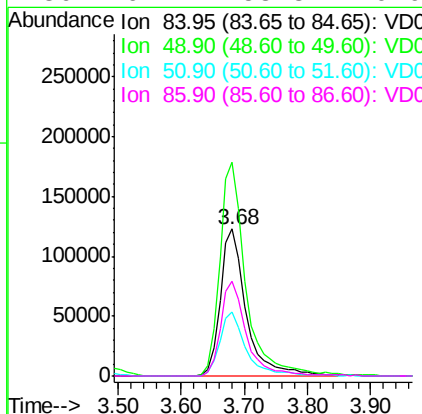
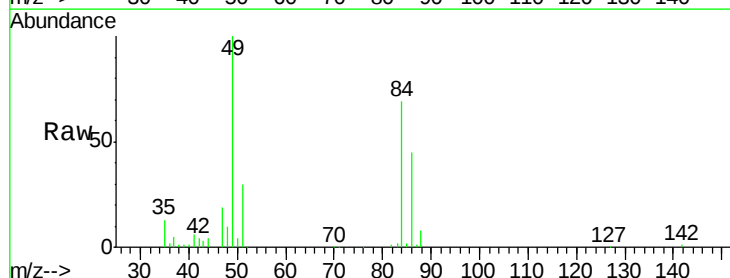
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

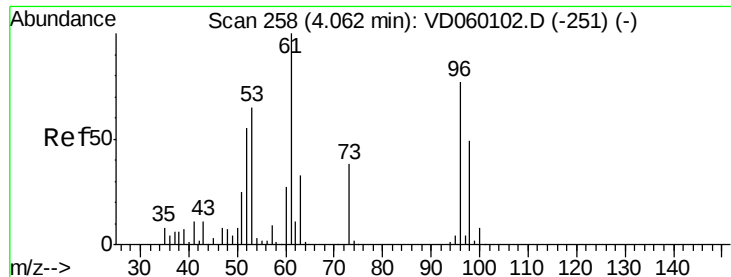
Tgt Ion: 73 Resp: 601926
Ion Ratio Lower Upper
73 100
57 21.5 18.7 28.1



#20
Methylene Chloride
Concen: 18.91 ug/l
RT: 3.68 min Scan# 219
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 84 Resp: 352226
Ion Ratio Lower Upper
84 100
49 145.4 114.6 172.0
51 43.5 33.8 50.8
86 64.7 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 21.44 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

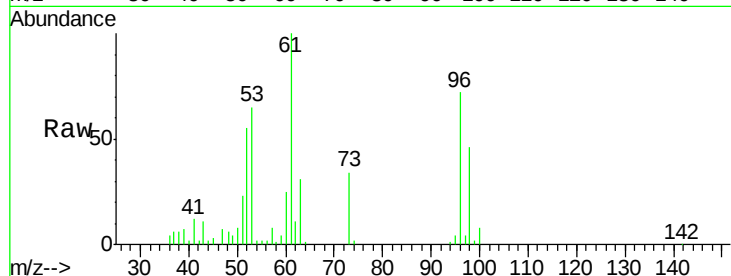
Tgt Ion: 96 Resp: 340485

Ion Ratio Lower Upper

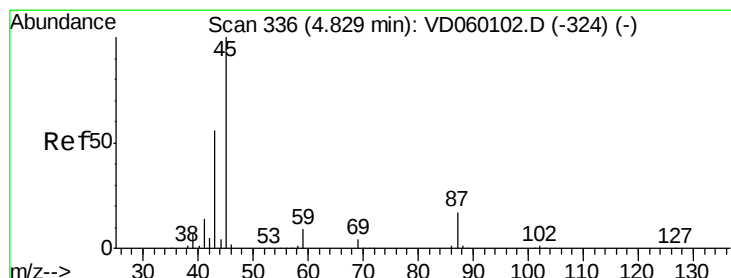
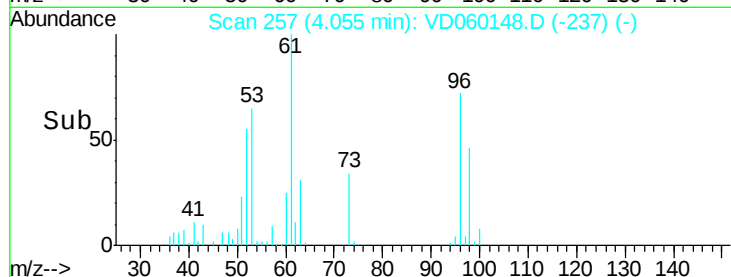
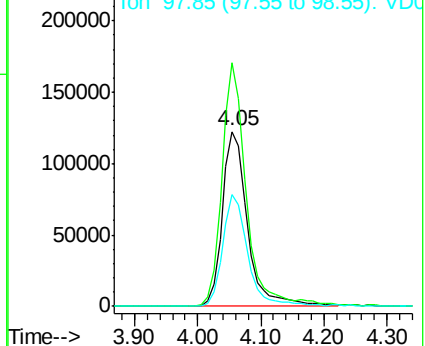
96 100

61 139.5 103.3 154.9

98 64.2 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: 22.33 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion: 45 Resp: 1273475

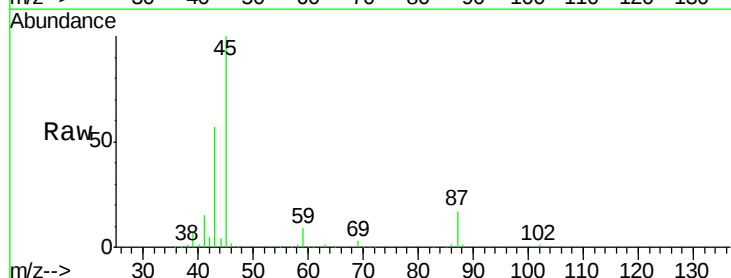
Ion Ratio Lower Upper

45 100

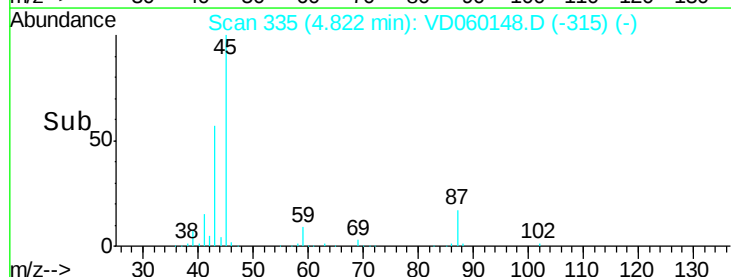
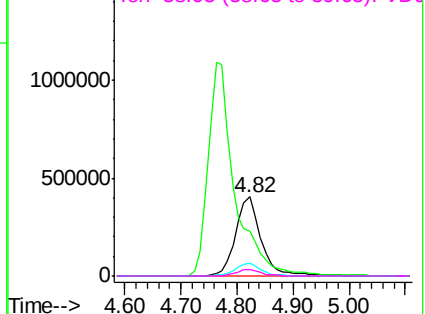
43 57.3 44.8 67.2

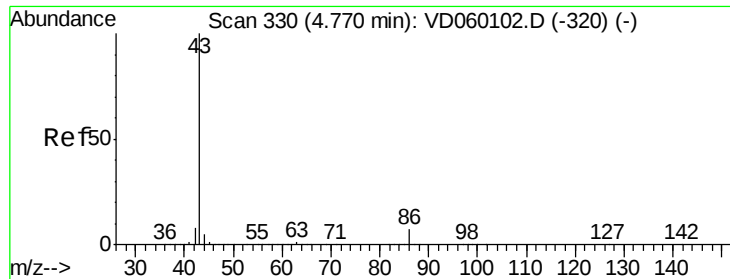
87 16.8 13.9 20.9

59 8.9 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: 112.43 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

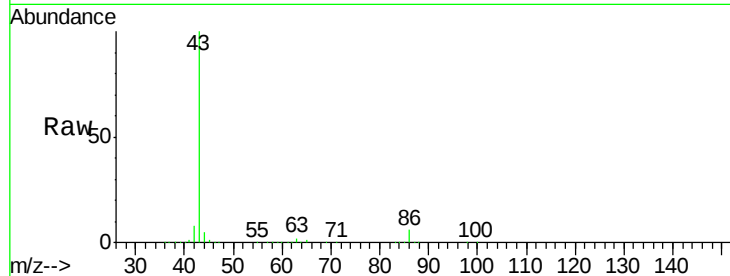
VD1009SBS01

Tgt Ion: 43 Resp: 3604831

Ion Ratio Lower Upper

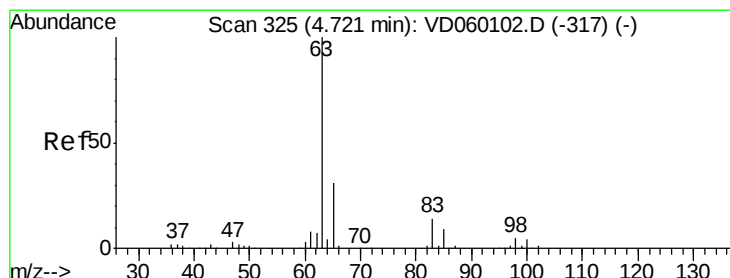
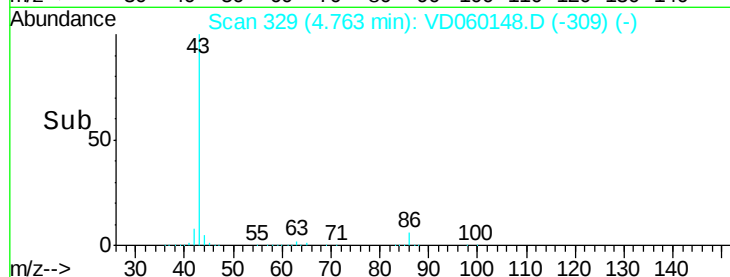
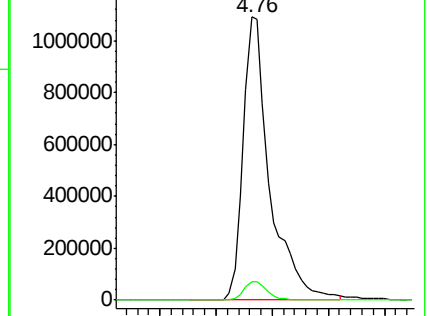
43 100

86 6.4 5.6 8.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.83 ug/l

RT: 4.71 min Scan# 324

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

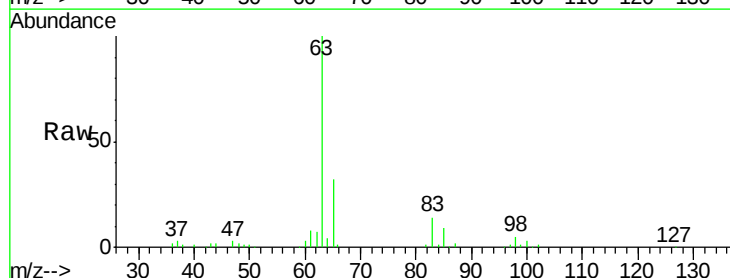
Tgt Ion: 63 Resp: 564537

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.3

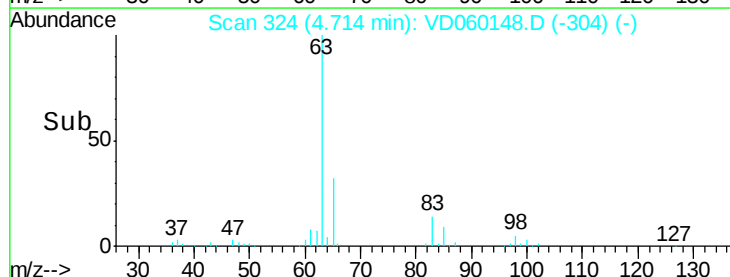
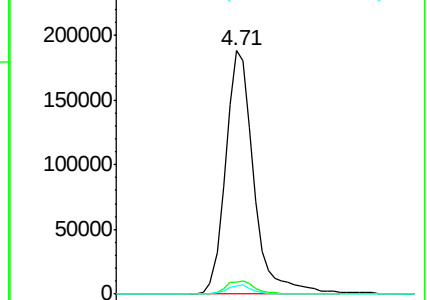
100 3.1 1.8 5.3

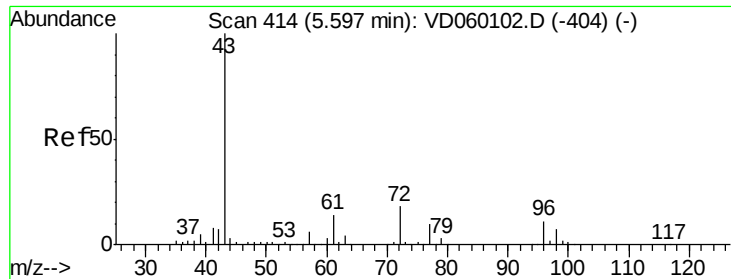


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 114.92 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

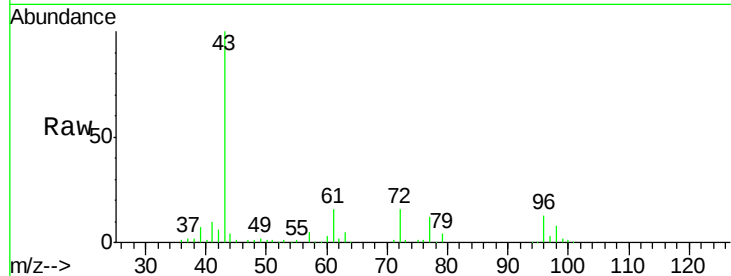
VD1009SBSD01

Tgt Ion: 43 Resp: 595320

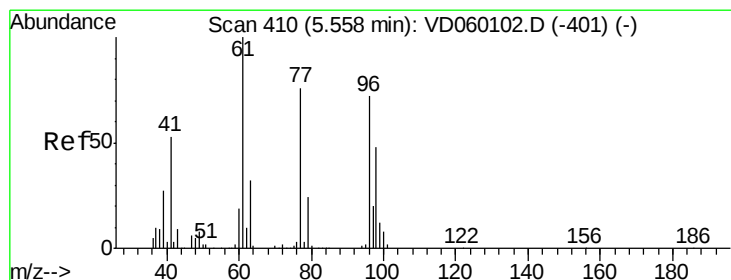
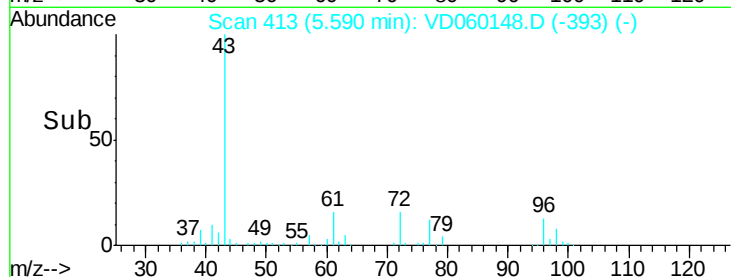
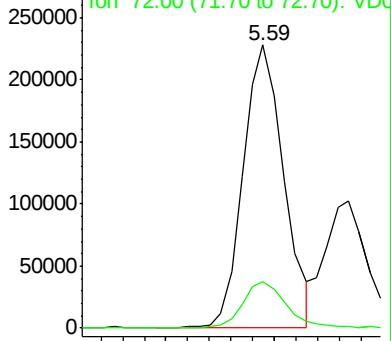
Ion Ratio Lower Upper

43 100

72 16.2 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 22.63 ug/l

RT: 5.55 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD060148.D

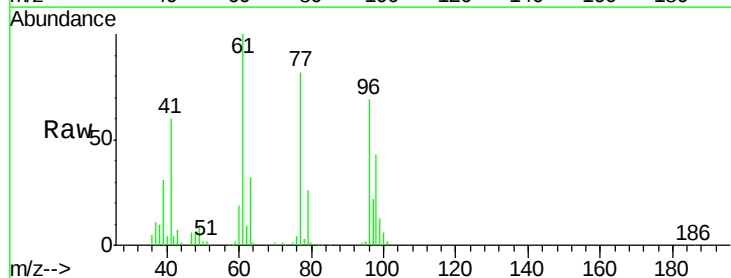
Acq: 9 Oct 2018 12:40

Tgt Ion: 77 Resp: 443762

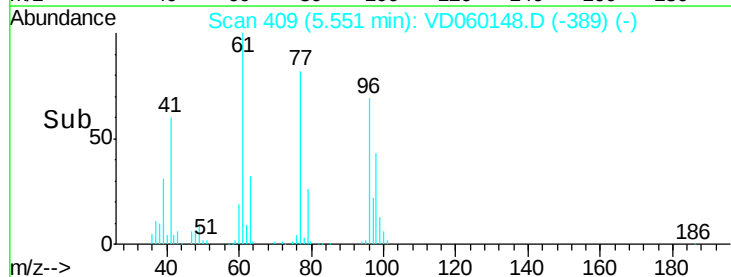
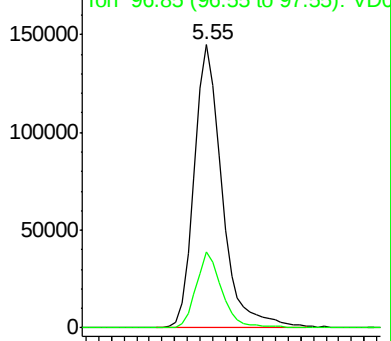
Ion Ratio Lower Upper

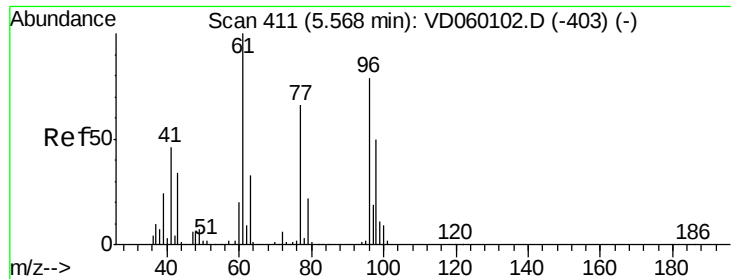
77 100

97 26.8 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC





#27

cis-1,2-Dichloroethene

Concen: 21.26 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

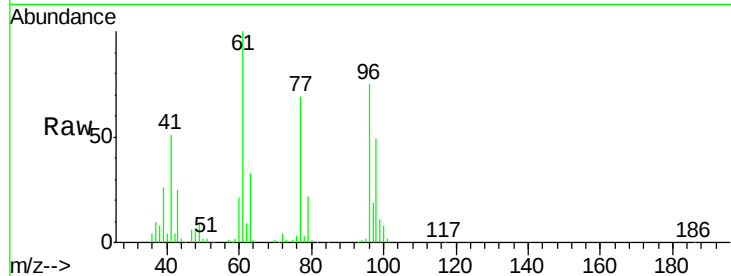
Tgt Ion: 96 Resp: 357806

Ion Ratio Lower Upper

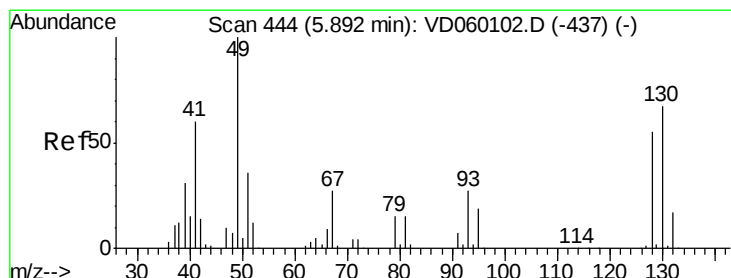
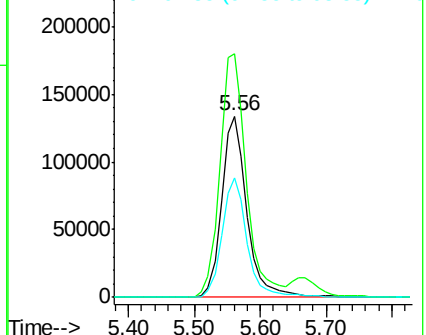
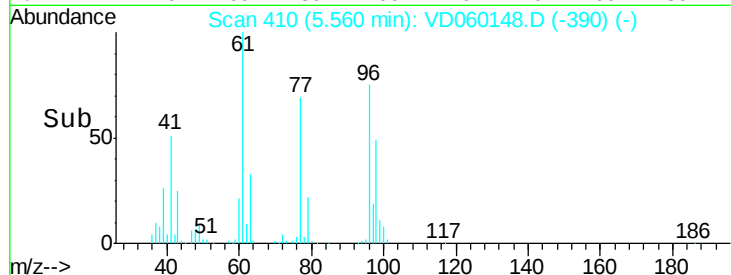
96 100

61 134.2 0.0 251.8

98 65.6 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: 21.19 ug/l

RT: 5.90 min Scan# 444

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

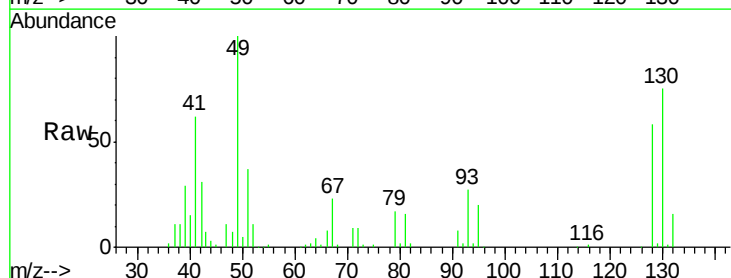
Tgt Ion: 49 Resp: 266295

Ion Ratio Lower Upper

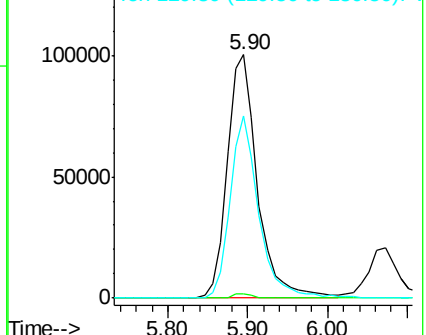
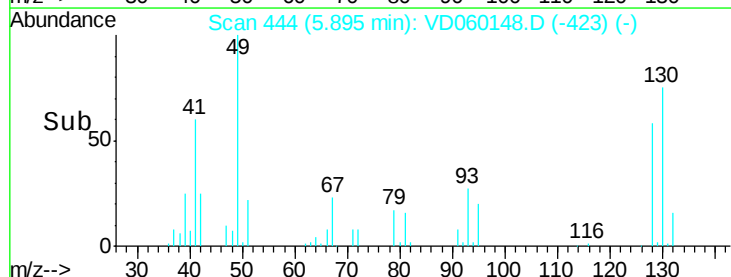
49 100

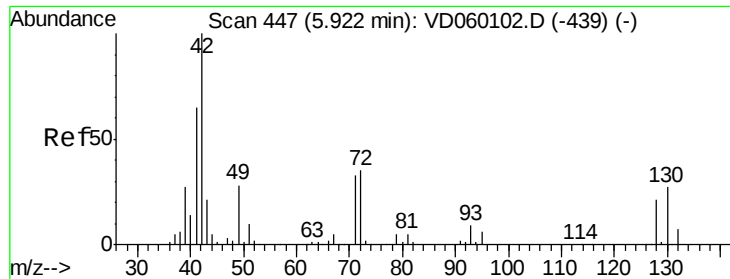
129 1.7 0.0 3.6

130 74.7 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: 108.37 ug/l

RT: 5.92 min Scan# 447

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

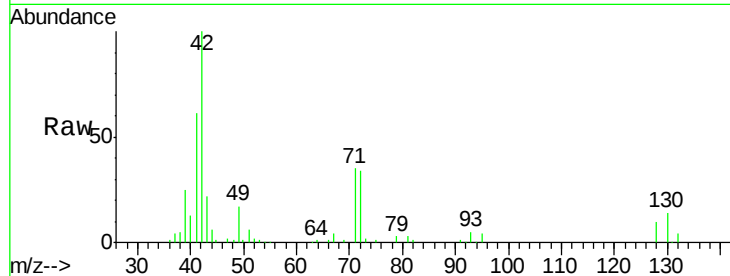
Tgt Ion: 42 Resp: 326083

Ion Ratio Lower Upper

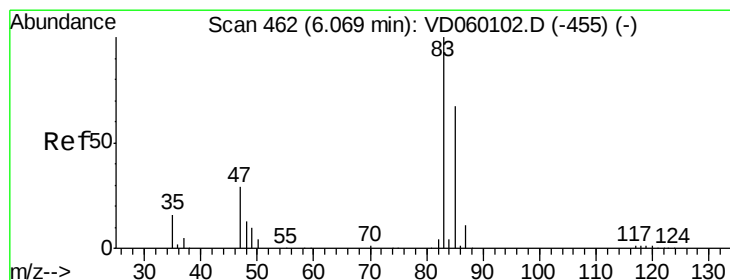
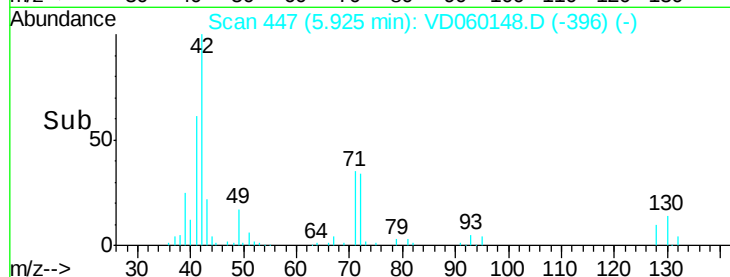
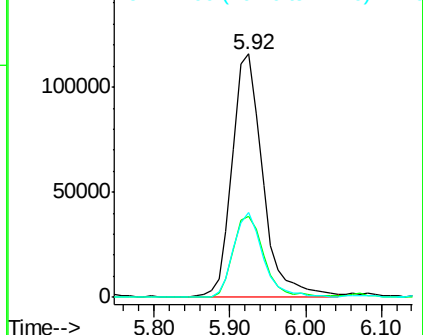
42 100

72 33.8 26.9 40.3

71 33.6 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: 22.12 ug/l

RT: 6.07 min Scan# 462

Delta R.T. 0.00 min

Lab File: VD060148.D

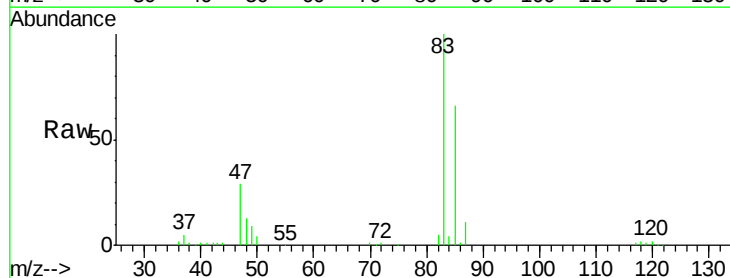
Acq: 9 Oct 2018 12:40

Tgt Ion: 83 Resp: 578631

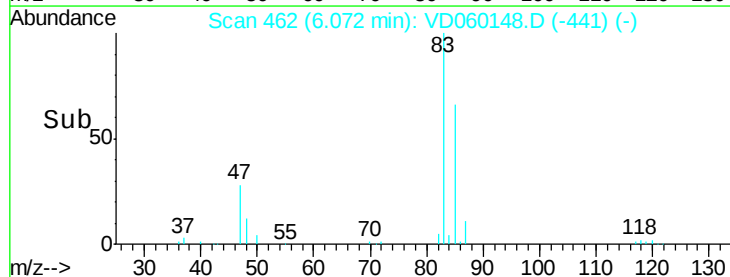
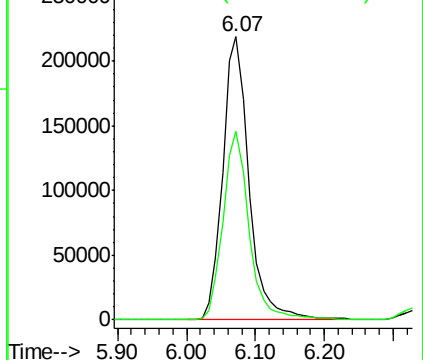
Ion Ratio Lower Upper

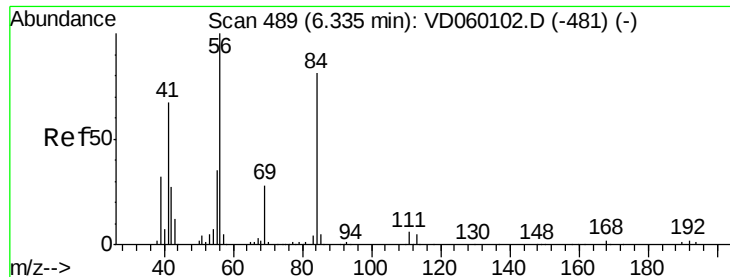
83 100

85 66.5 53.8 80.8



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

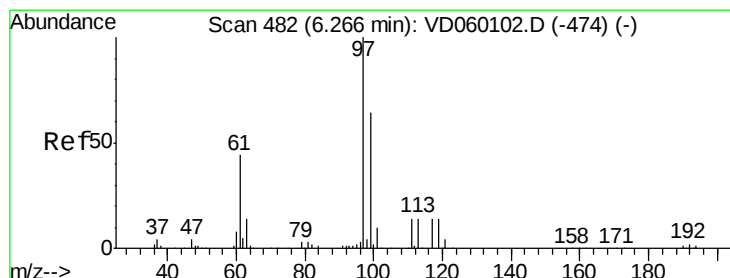
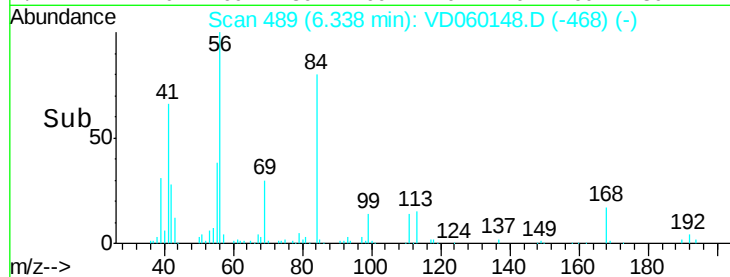
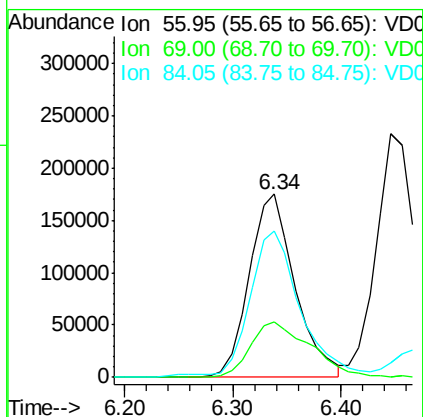
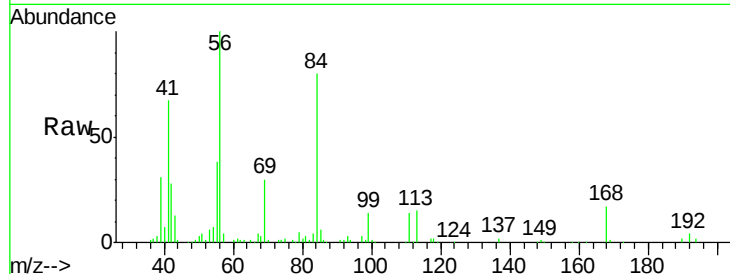




#31
Cyclohexane
Concen: 20.77 ug/l
RT: 6.34 min Scan# 489
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

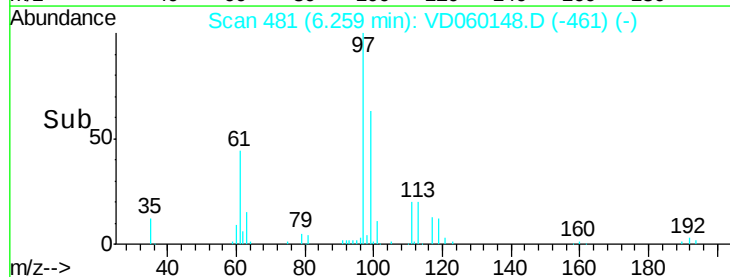
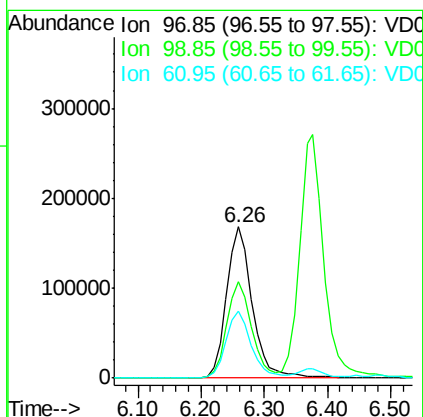
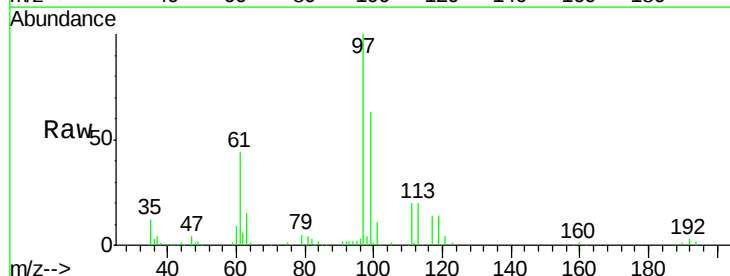
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

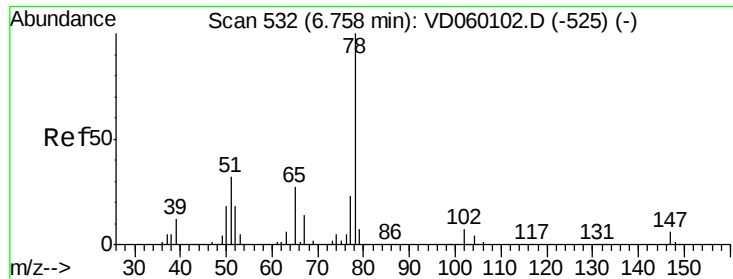
Tgt Ion: 56 Resp: 514248
Ion Ratio Lower Upper
56 100
69 30.3 22.8 34.2
84 80.2 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 22.06 ug/l
RT: 6.26 min Scan# 481
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 97 Resp: 472775
Ion Ratio Lower Upper
97 100
99 63.5 51.4 77.0
61 43.9 35.5 53.3

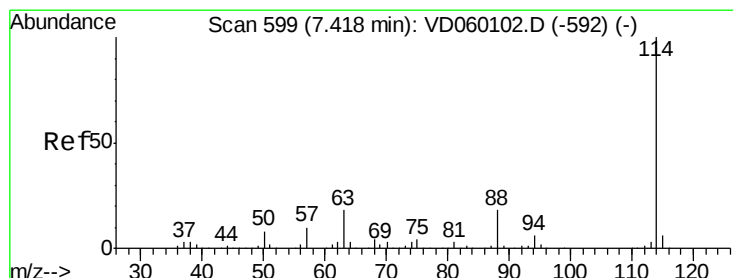
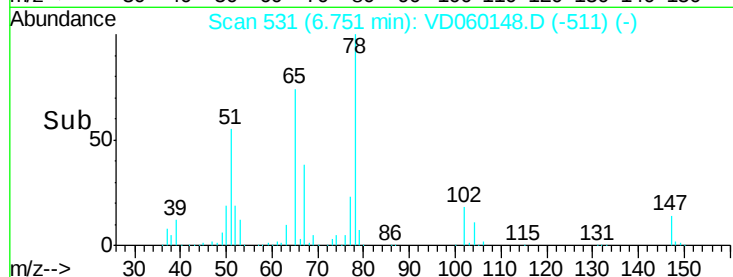
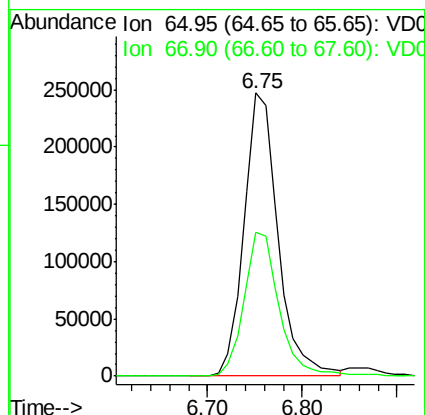
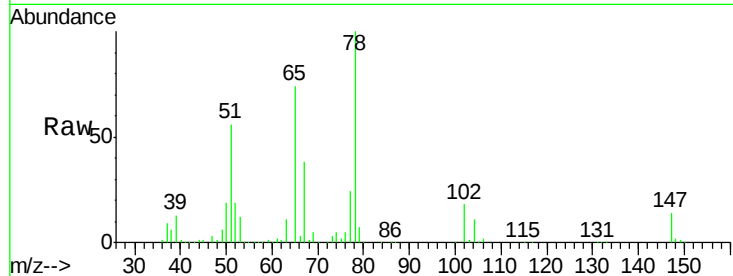




#33
 1,2-Dichloroethane-d4
 Concen: 22.06 ug/l
 RT: 6.75 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

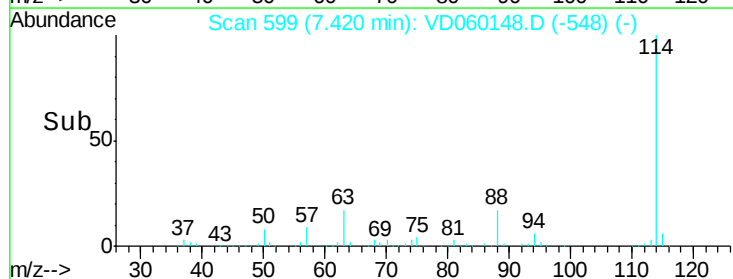
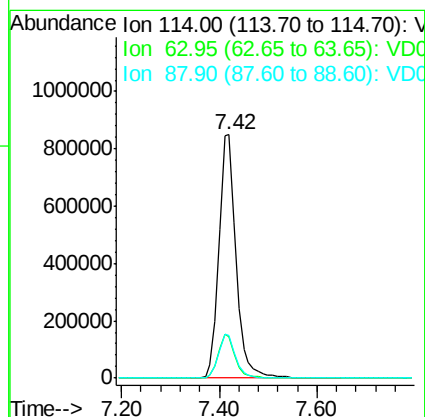
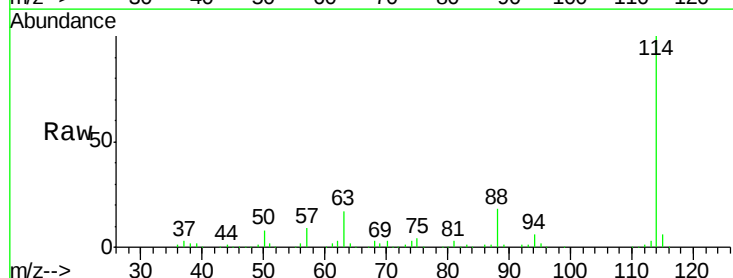
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

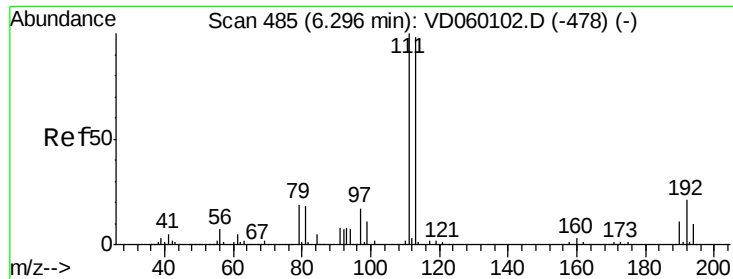
Tgt Ion: 65 Resp: 614655
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 114 Resp: 2085833
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 36.0
 88 17.5 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.29 min Scan# 484

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

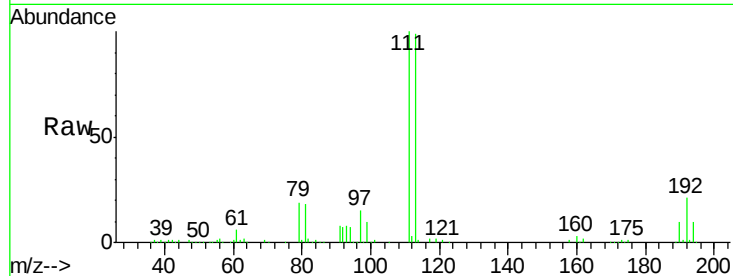
Tgt Ion:113 Resp: 842645

Ion Ratio Lower Upper

113 100

111 100.8 81.5 122.3

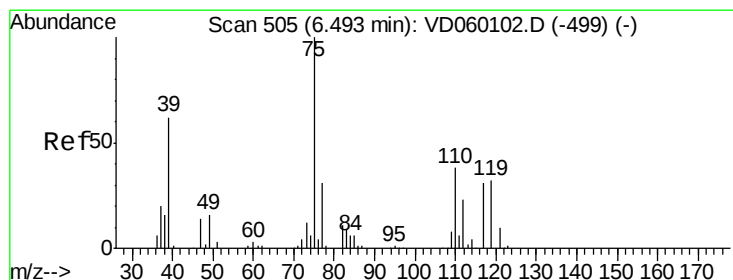
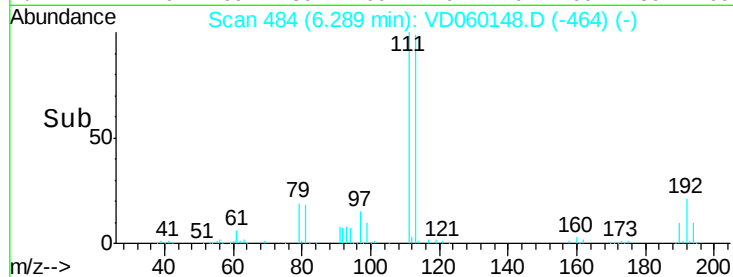
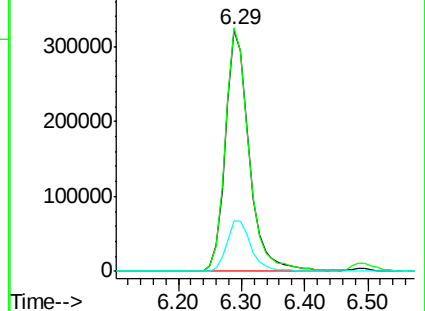
192 20.9 17.4 26.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.85 ug/l

RT: 6.50 min Scan# 505

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

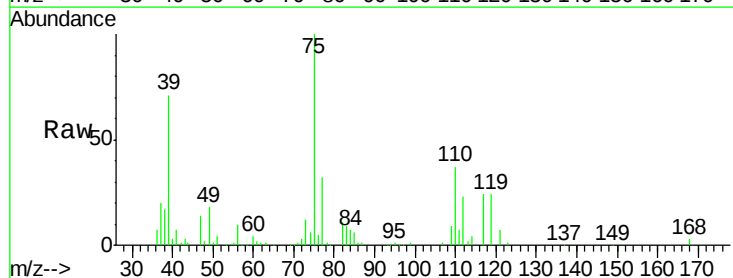
Tgt Ion: 75 Resp: 435555

Ion Ratio Lower Upper

75 100

110 36.9 19.0 57.0

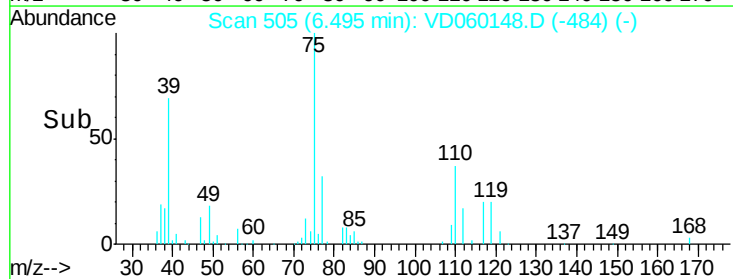
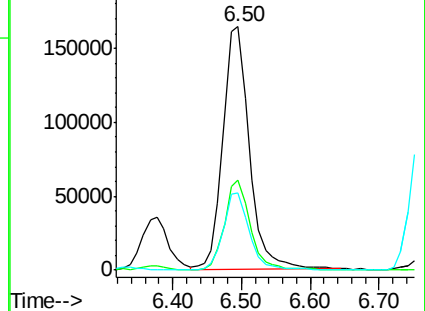
77 31.9 24.9 37.3

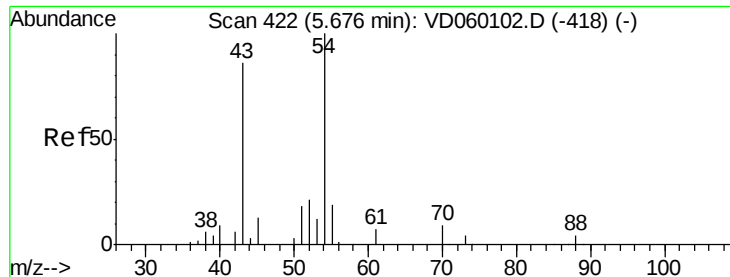


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

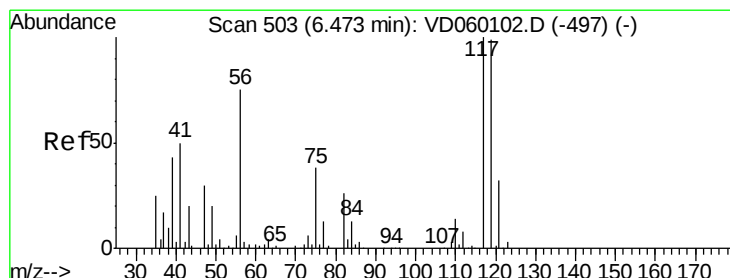
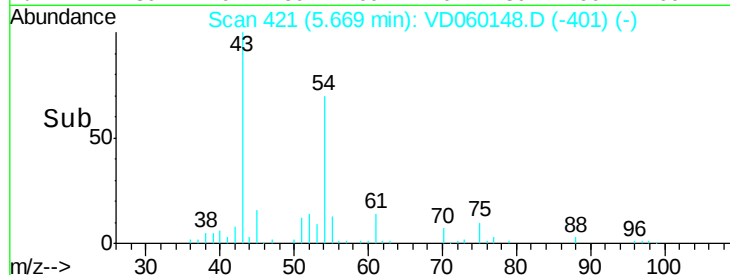
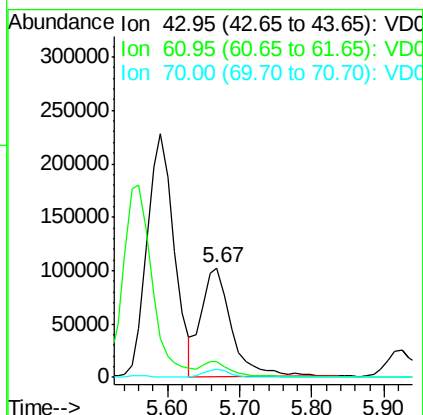
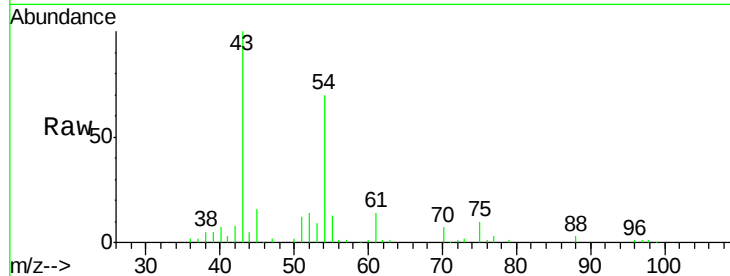




#37
Ethyl Acetate
Concen: 22.25 ug/l
RT: 5.67 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

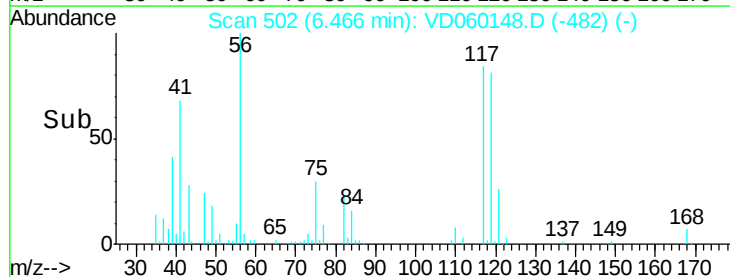
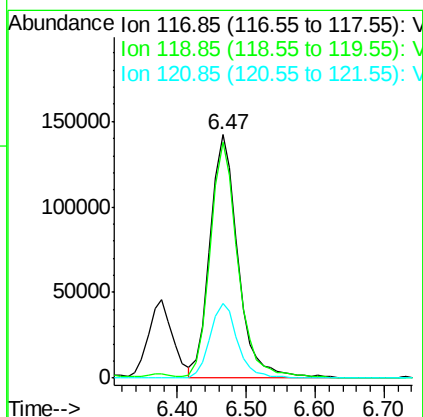
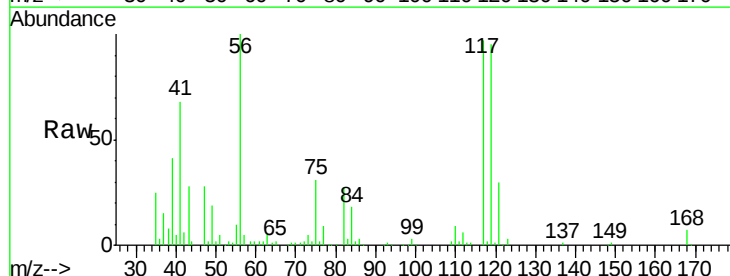
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

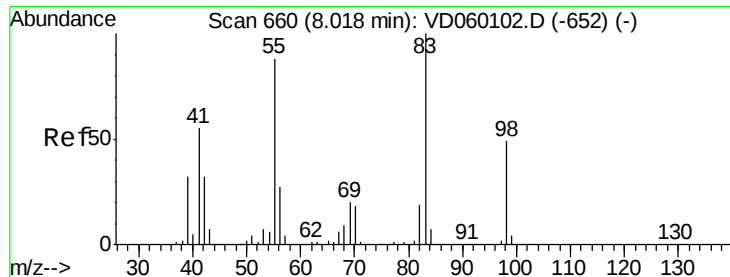
Tgt Ion: 43 Resp: 294348
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 7.0 6.3 9.5



#38
Carbon Tetrachloride
Concen: 21.90 ug/l
RT: 6.47 min Scan# 502
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 117 Resp: 396269
Ion Ratio Lower Upper
117 100
119 97.0 77.8 116.6
121 30.9 24.8 37.2

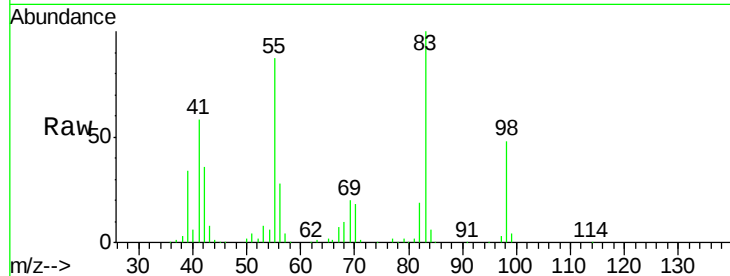




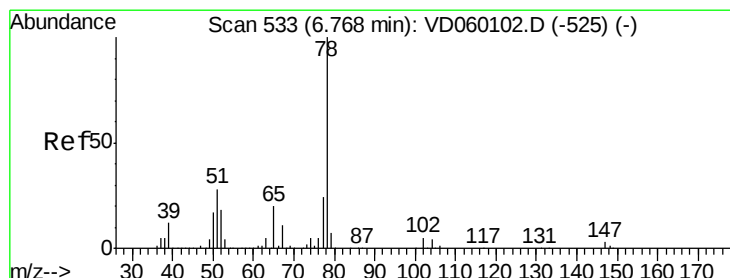
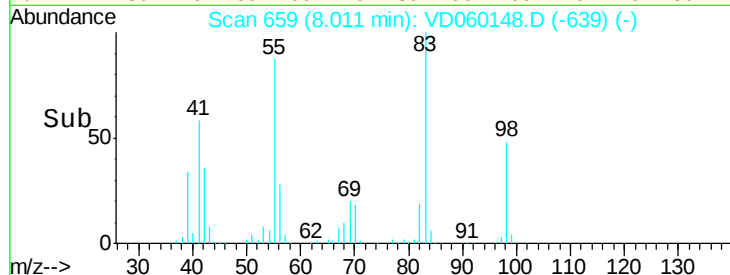
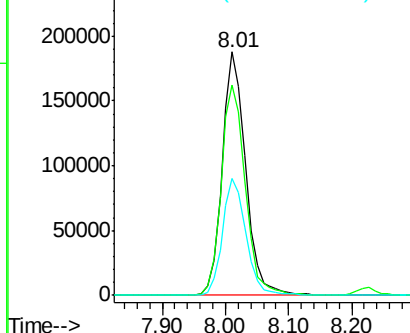
#39
Methylcyclohexane
Concen: 21.39 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tgt Ion: 83 Resp: 484320
Ion Ratio Lower Upper
83 100
55 86.5 70.5 105.7
98 48.1 39.4 59.2

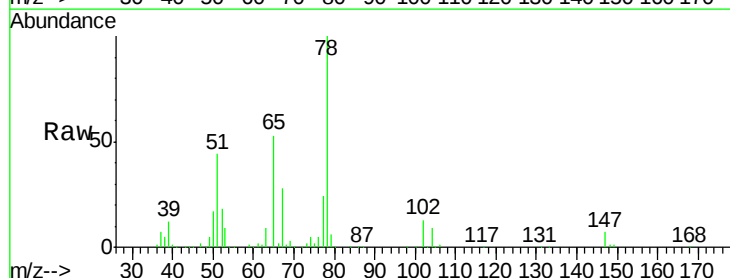


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

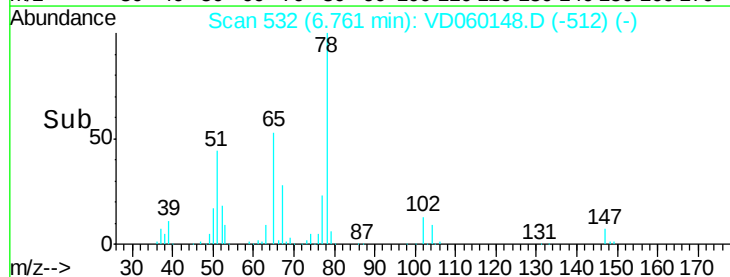
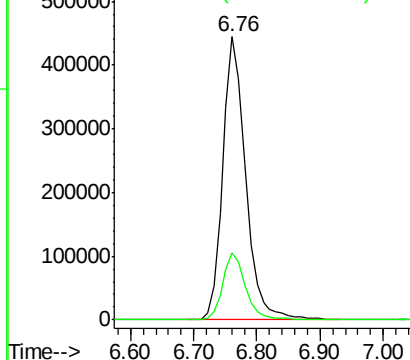


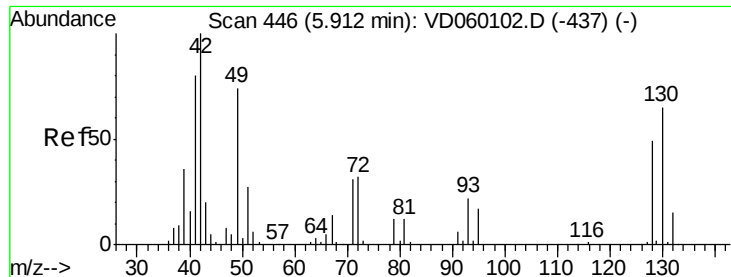
#40
Benzene
Concen: 21.51 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 78 Resp: 1121594
Ion Ratio Lower Upper
78 100
77 23.8 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: 44.66 ug/l

RT: 5.91 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBS01

Tgt Ion: 41 Resp: 333962

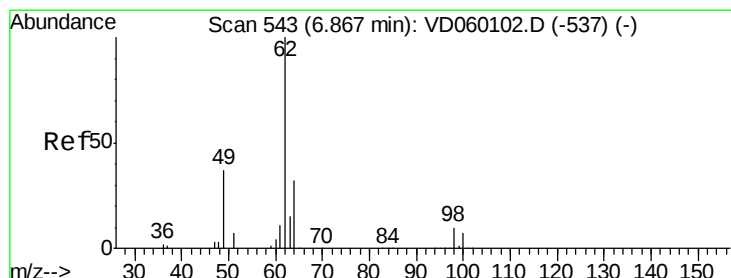
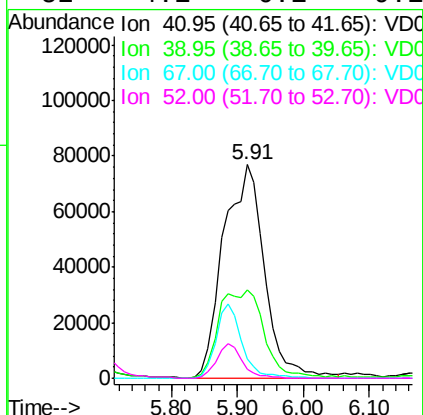
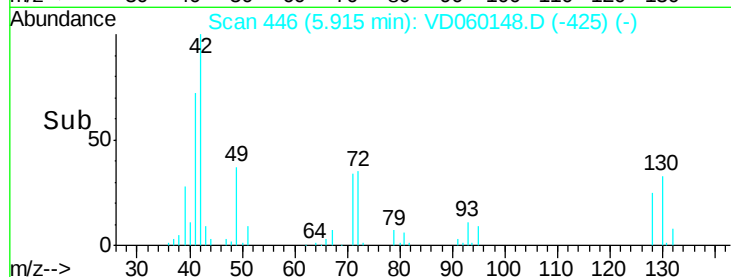
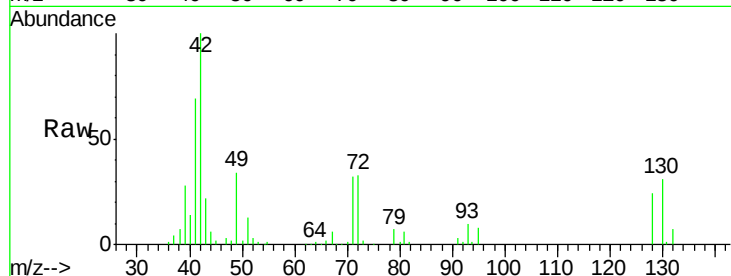
Ion Ratio Lower Upper

41 100

39 41.2 36.0 54.0

67 9.0 13.9 20.9#

52 4.1 6.1 9.1#



#42

1,2-Dichloroethane

Concen: 21.86 ug/l

RT: 6.87 min Scan# 543

Delta R.T. 0.00 min

Lab File: VD060148.D

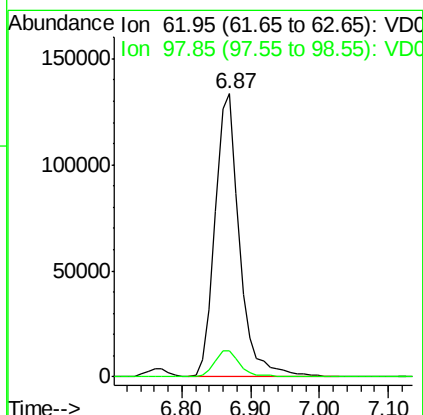
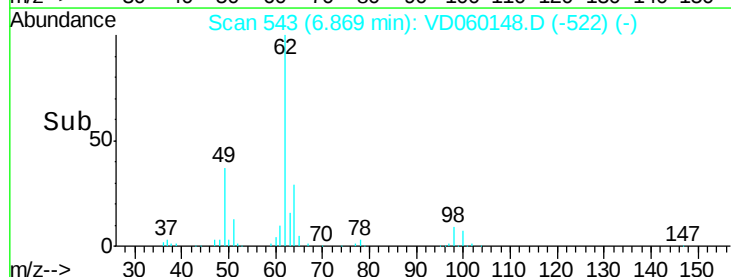
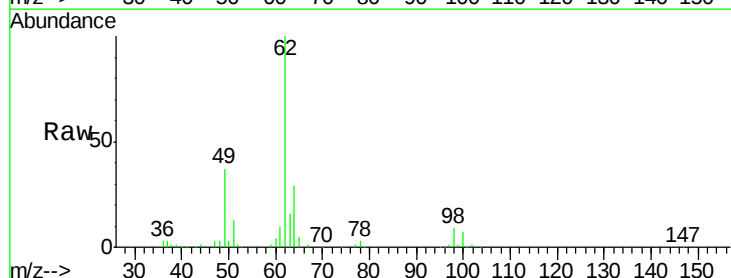
Acq: 9 Oct 2018 12:40

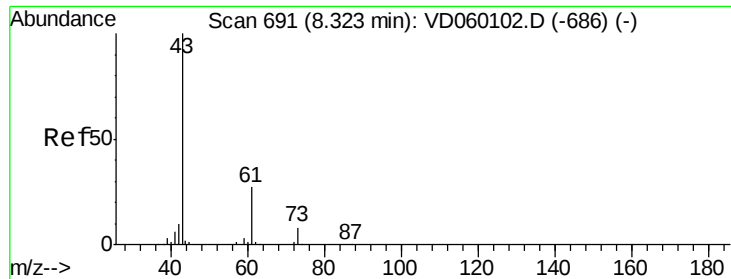
Tgt Ion: 62 Resp: 326786

Ion Ratio Lower Upper

62 100

98 9.3 0.0 20.6





#43

Isopropyl Acetate

Concen: 21.36 ug/l

RT: 8.33 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

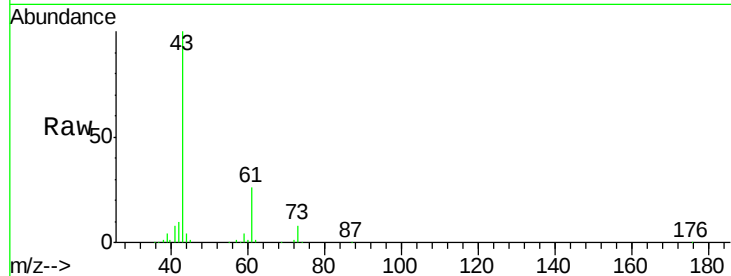
Tgt Ion: 43 Resp: 371755

Ion Ratio Lower Upper

43 100

61 26.3 21.4 32.2

87 0.3 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

200000

150000

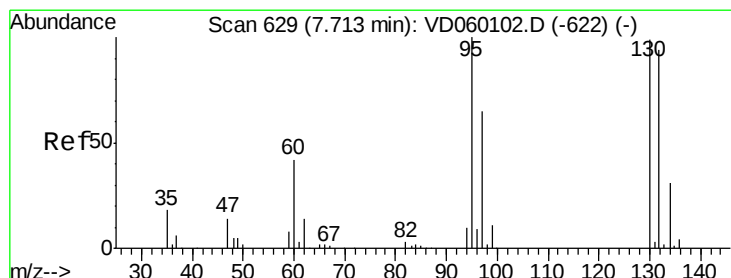
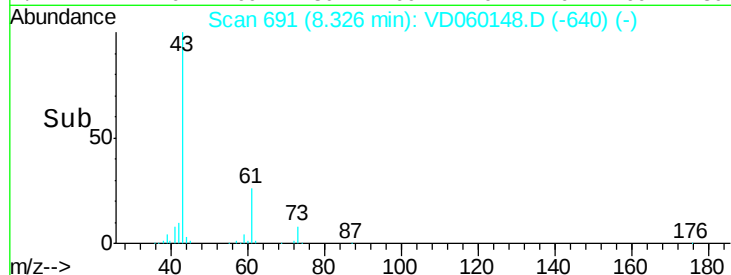
100000

50000

0

8.20 8.30 8.40 8.50

Time-->



#44

Trichloroethene

Concen: 21.44 ug/l

RT: 7.72 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060148.D

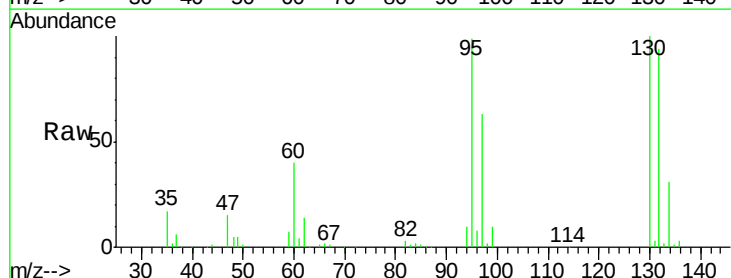
Acq: 9 Oct 2018 12:40

Tgt Ion: 130 Resp: 346093

Ion Ratio Lower Upper

130 100

95 99.1 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

150000

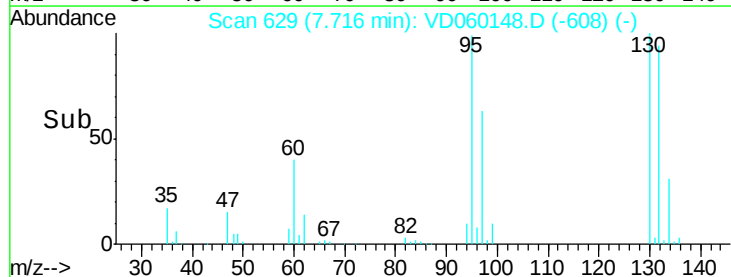
100000

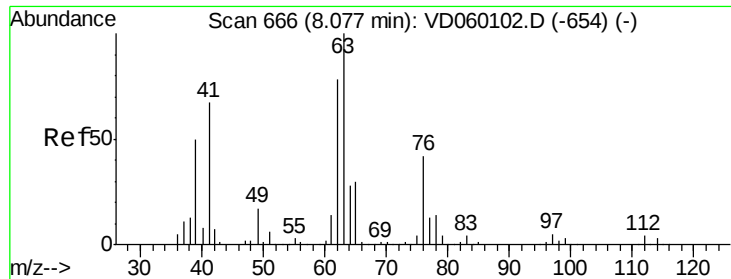
50000

0

7.60 7.70 7.80 7.90

Time-->

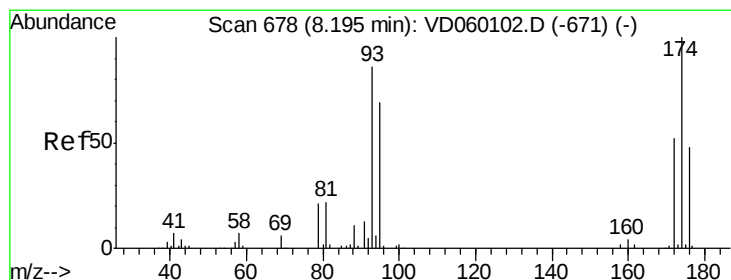
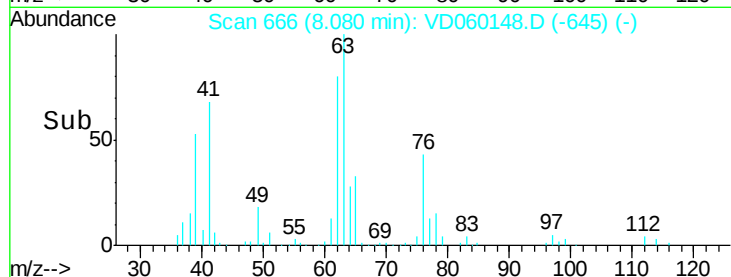
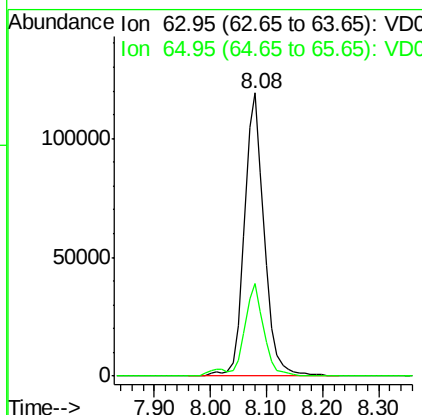
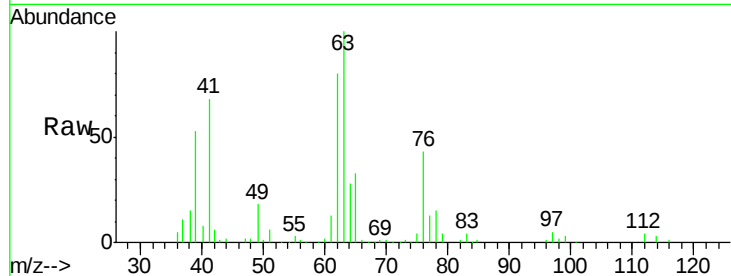




#45
 1,2-Dichloropropane
 Concen: 21.31 ug/l
 RT: 8.08 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

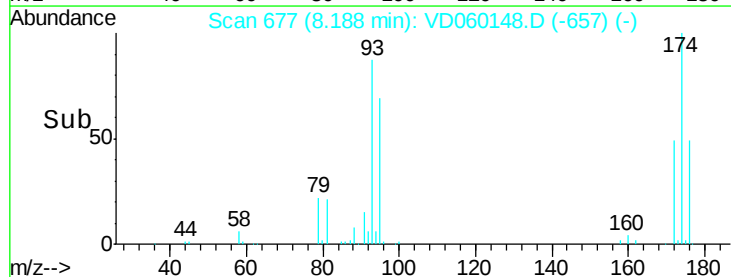
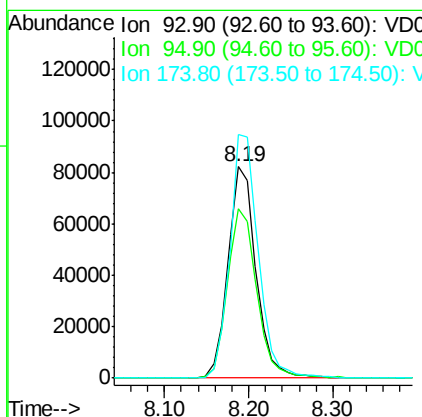
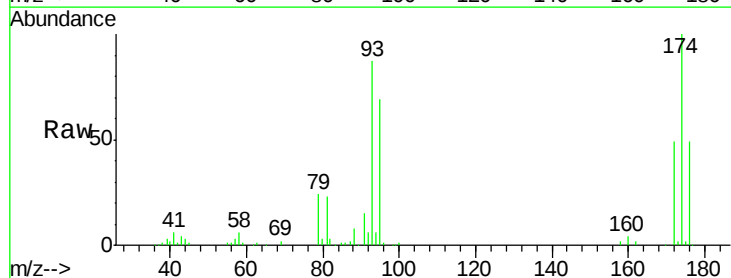
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

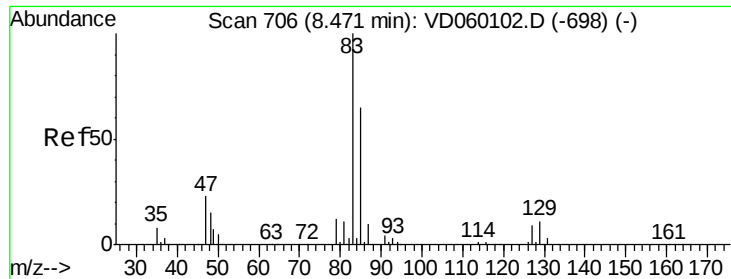
Tgt Ion: 63 Resp: 290925
 Ion Ratio Lower Upper
 63 100
 65 32.8 24.1 36.1



#46
 Dibromomethane
 Concen: 21.46 ug/l
 RT: 8.19 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 93 Resp: 189742
 Ion Ratio Lower Upper
 93 100
 95 80.0 63.8 95.6
 174 115.4 92.9 139.3





#47

Bromodichloromethane

Concen: 22.19 ug/l

RT: 8.46 min Scan# 705

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

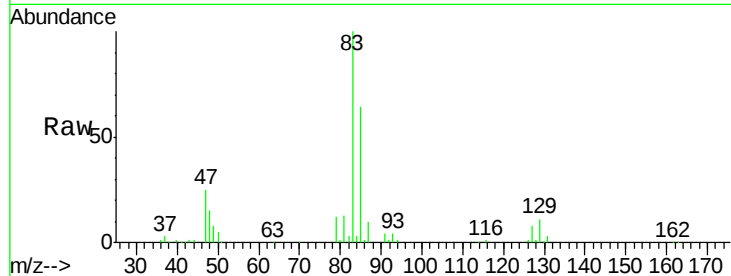
Tgt Ion: 83 Resp: 417968

Ion Ratio Lower Upper

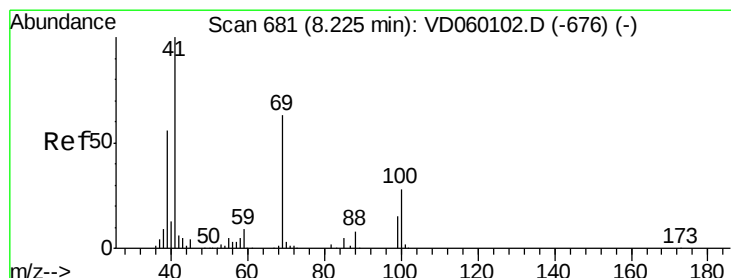
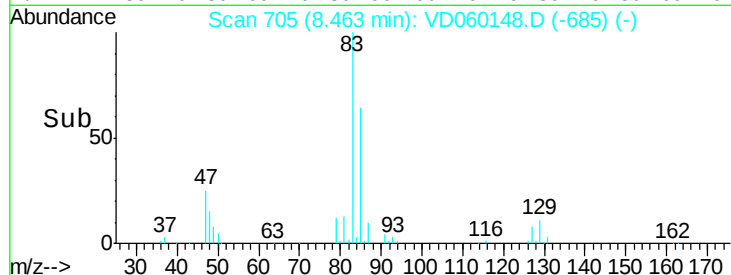
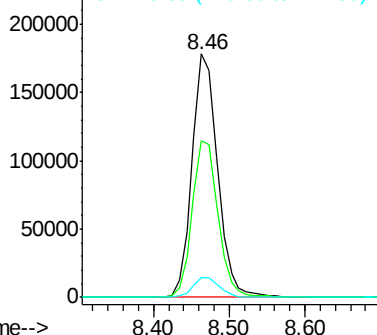
83 100

85 64.4 52.2 78.2

127 8.0 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: 22.22 ug/l

RT: 8.22 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

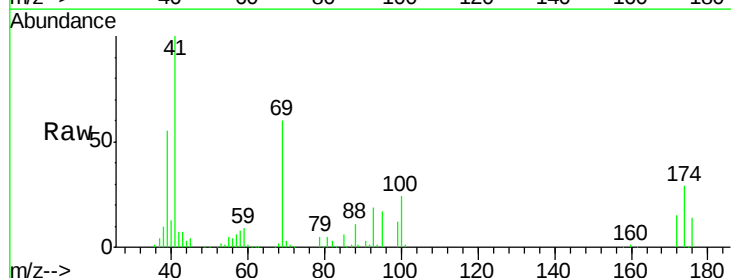
Tgt Ion: 41 Resp: 220272

Ion Ratio Lower Upper

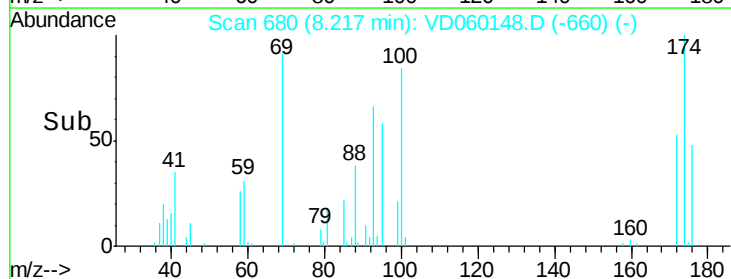
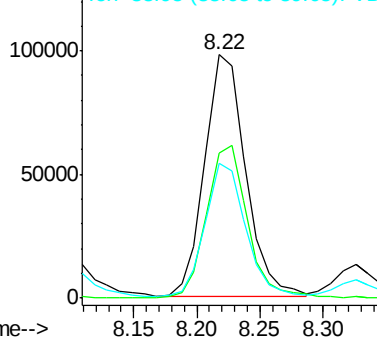
41 100

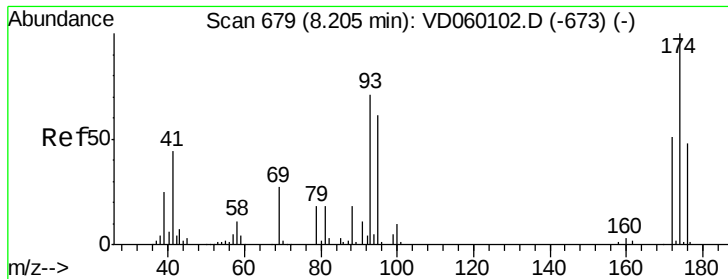
69 59.5 49.7 74.5

39 55.3 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

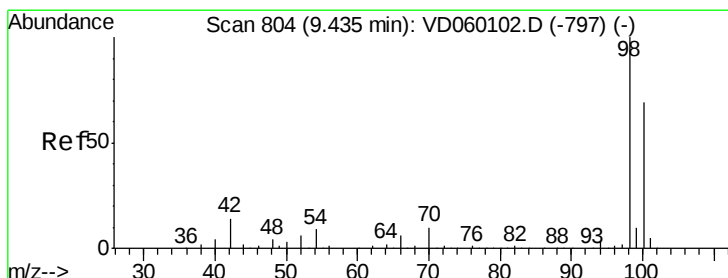
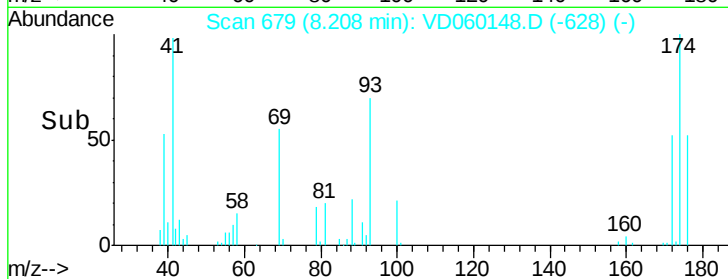
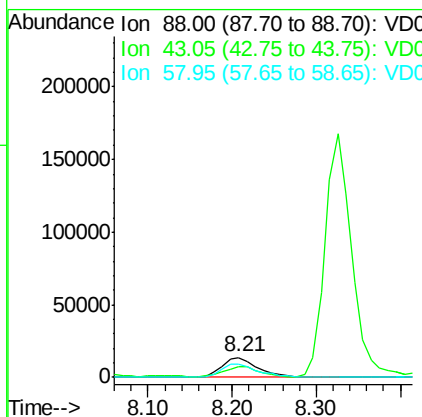
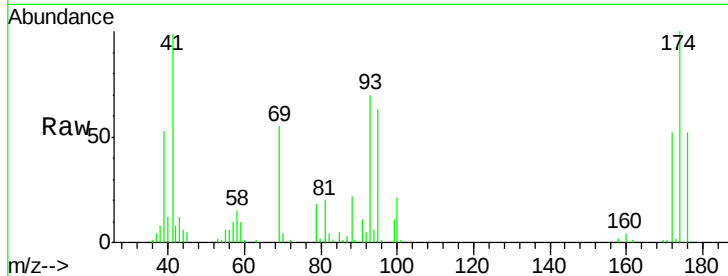




#49
 1,4-Dioxane
 Concen: 418.20 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

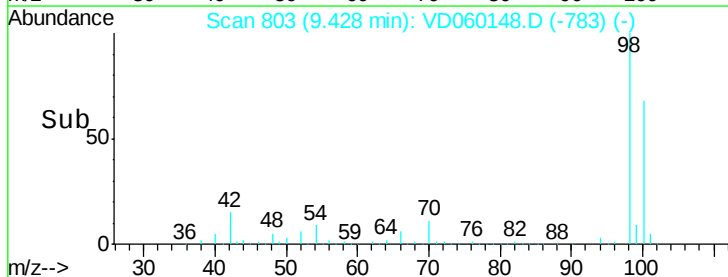
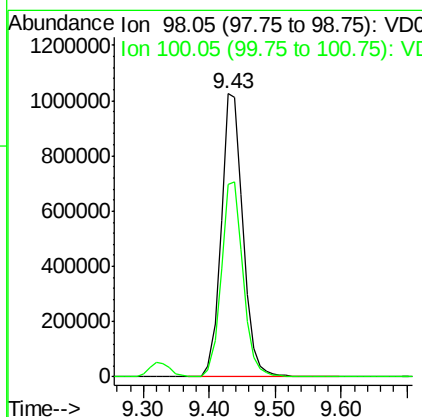
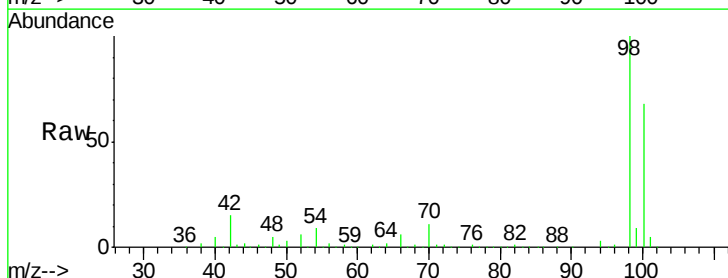
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

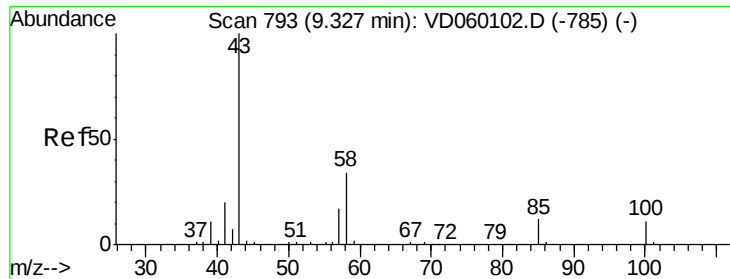
Tgt Ion: 88 Resp: 40796
 Ion Ratio Lower Upper
 88 100
 43 55.2 33.7 50.5#
 58 66.7 49.1 73.7



#50
 Toluene-d8
 Concen: 418.20 ug/l
 RT: 9.43 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 98 Resp: 2365809
 Ion Ratio Lower Upper
 98 100
 100 68.0 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 110.15 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

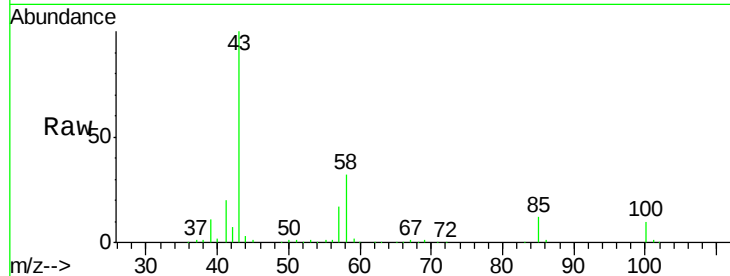
VD1009SBSD01

Tgt Ion: 43 Resp: 1209283

Ion Ratio Lower Upper

43 100

58 32.1 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

600000

500000

400000

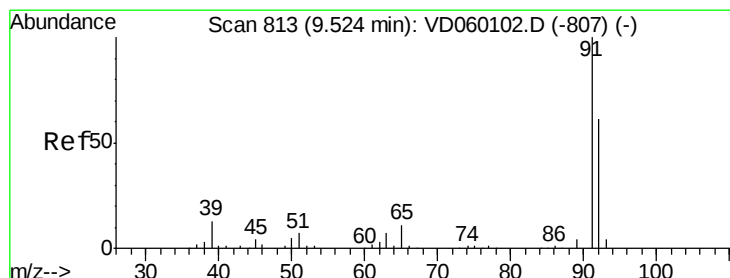
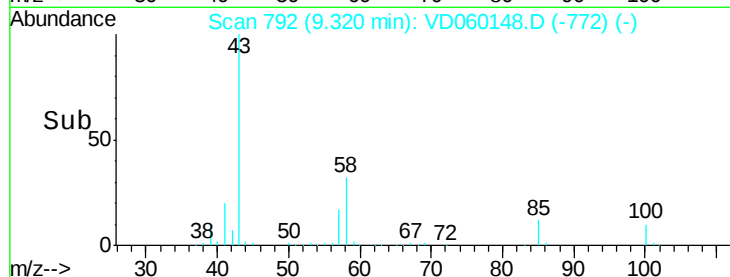
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 21.77 ug/l

RT: 9.53 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD060148.D

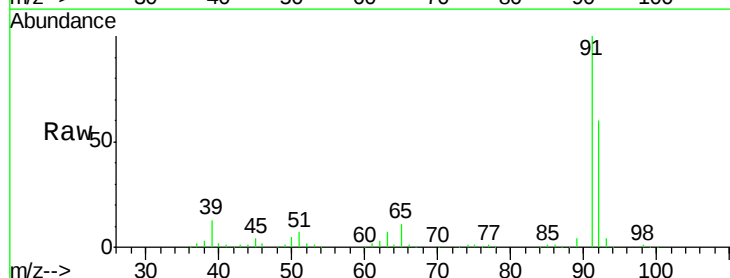
Acq: 9 Oct 2018 12:40

Tgt Ion: 92 Resp: 731193

Ion Ratio Lower Upper

92 100

91 168.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

600000

500000

400000

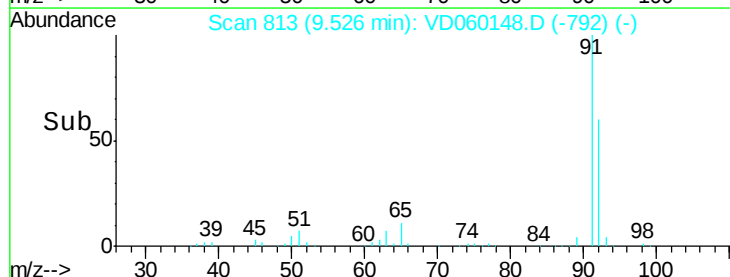
300000

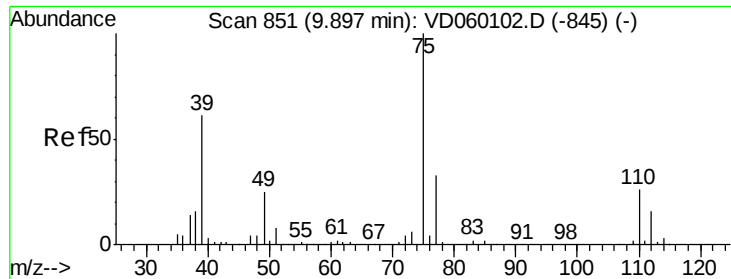
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 21.81 ug/l

RT: 9.90 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

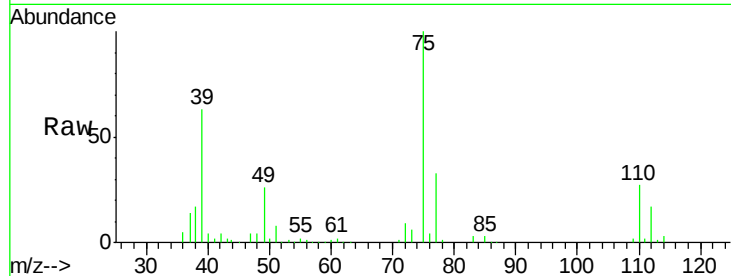
VD1009SBSD01

Tgt Ion: 75 Resp: 371648

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

200000

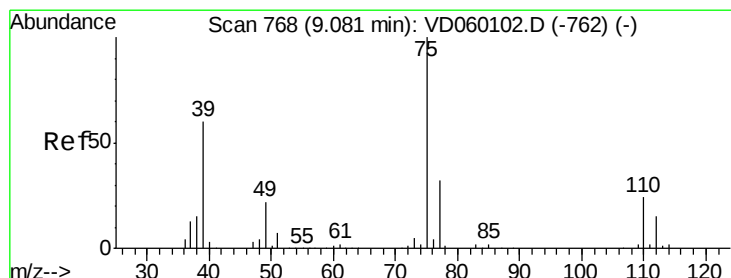
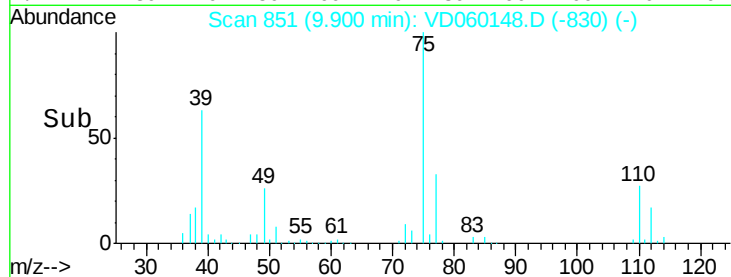
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.06 ug/l

RT: 9.08 min Scan# 768

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

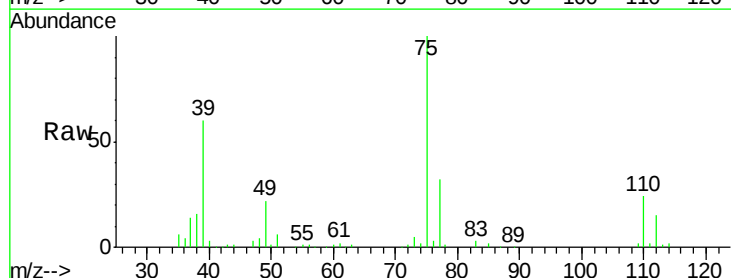
Tgt Ion: 75 Resp: 464194

Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 60.0 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

9.08

250000

200000

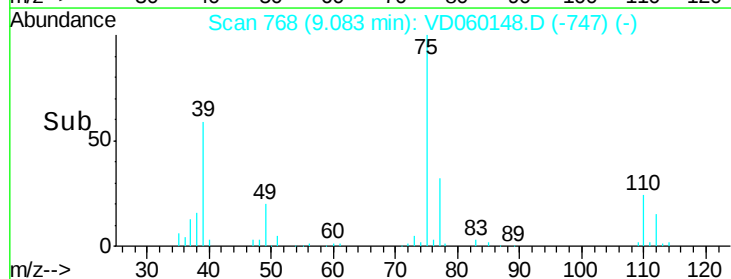
150000

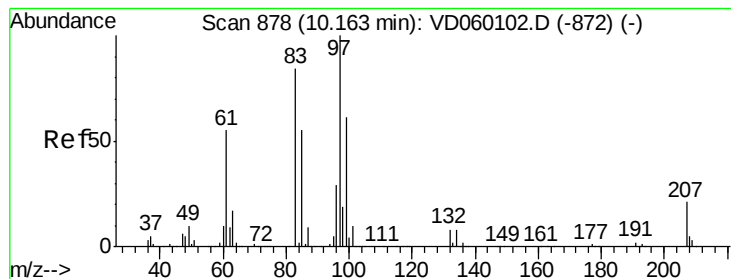
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.64 ug/l

RT: 10.17 min Scan# 878

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

Tgt Ion: 97 Resp: 237614

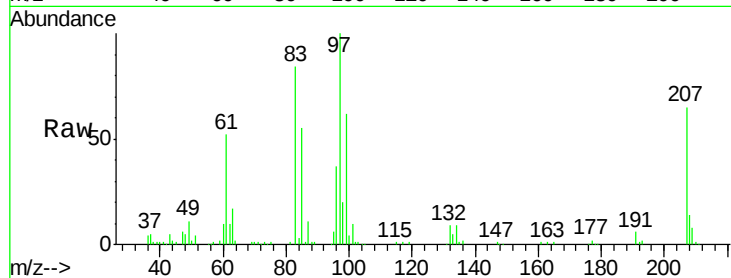
Ion Ratio Lower Upper

97 100

83 83.6 67.0 100.6

85 54.8 43.9 65.9

99 62.3 49.1 73.7

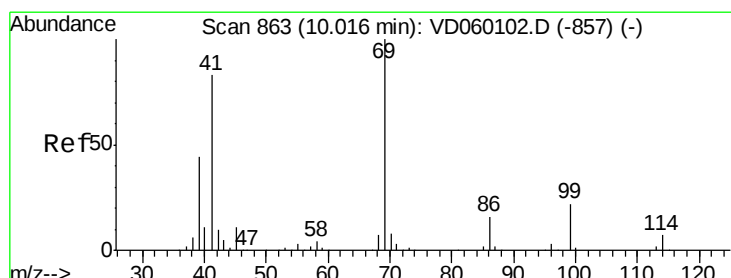
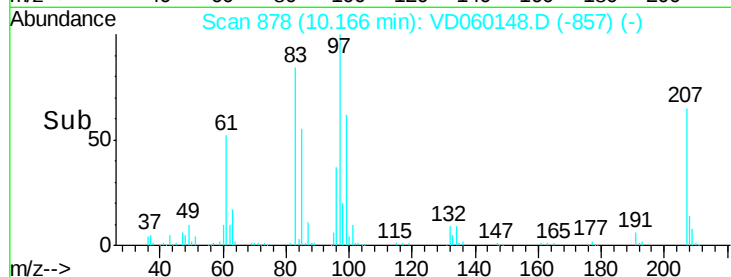
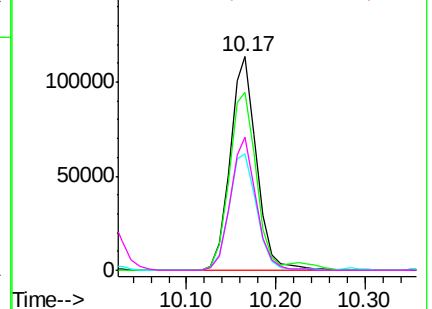


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.85 ug/l

RT: 10.01 min Scan# 862

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

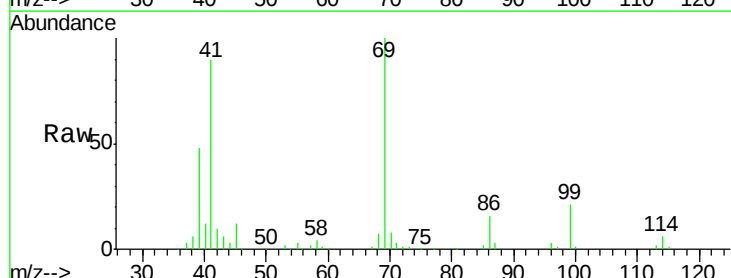
Tgt Ion: 69 Resp: 264808

Ion Ratio Lower Upper

69 100

41 89.6 66.6 100.0

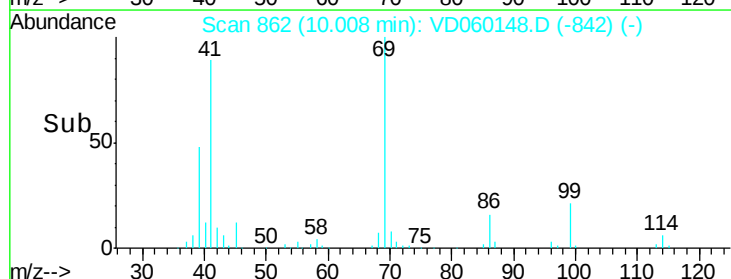
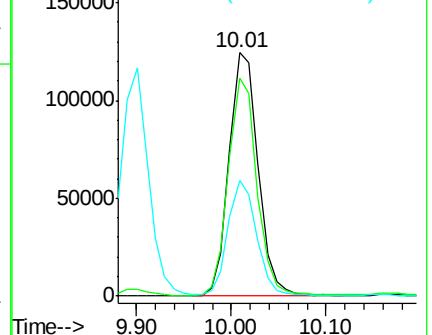
39 47.5 36.0 54.0

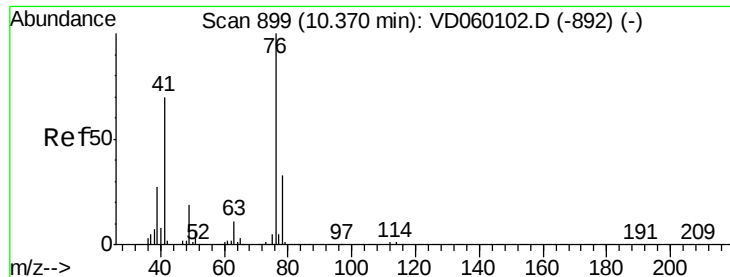


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.14 ug/l

RT: 10.36 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

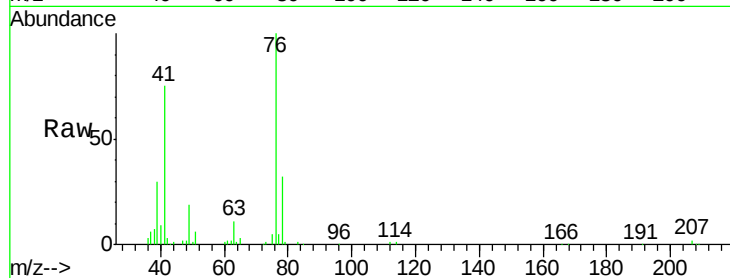
VD1009SBSD01

Tgt Ion: 76 Resp: 353952

Ion Ratio Lower Upper

76 100

78 31.7 26.2 39.2



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.36

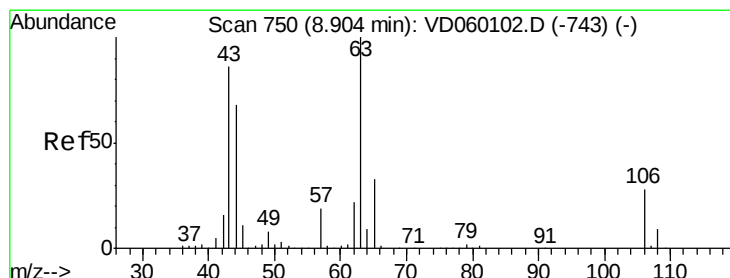
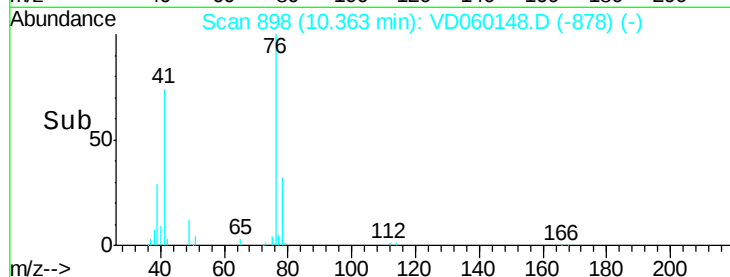
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 109.68 ug/l

RT: 8.90 min Scan# 749

Delta R.T. -0.01 min

Lab File: VD060148.D

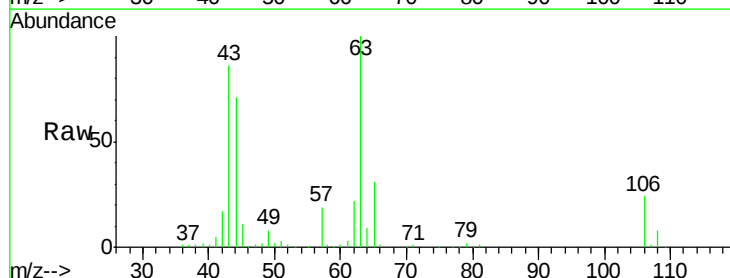
Acq: 9 Oct 2018 12:40

Tgt Ion: 63 Resp: 738110

Ion Ratio Lower Upper

63 100

106 24.4 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.90

400000

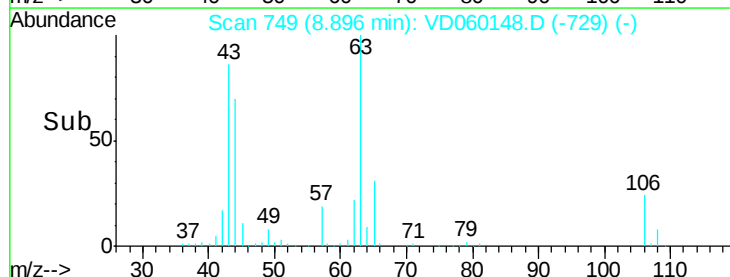
300000

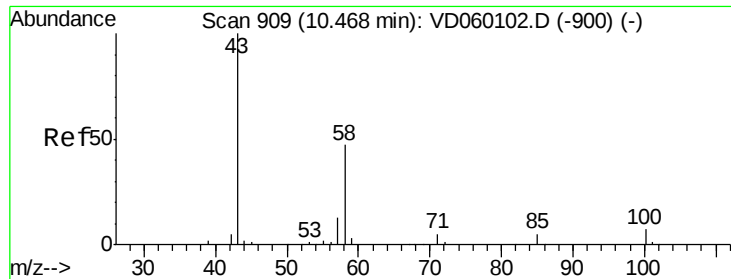
200000

100000

0

Time-->

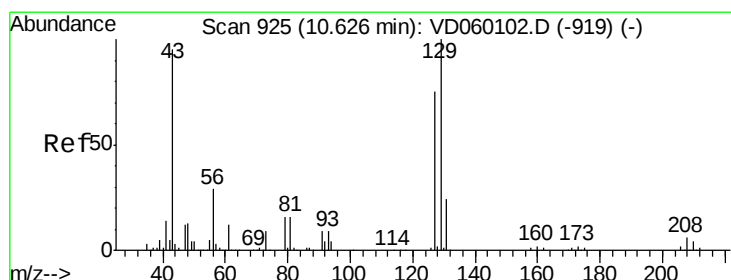
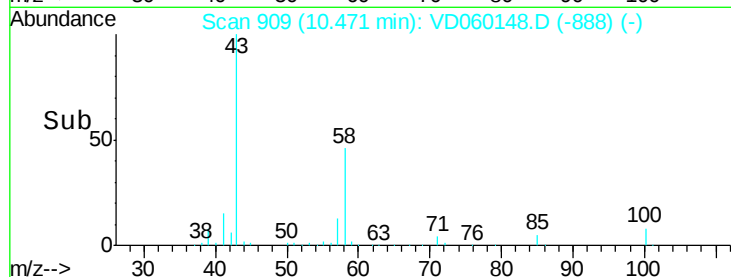
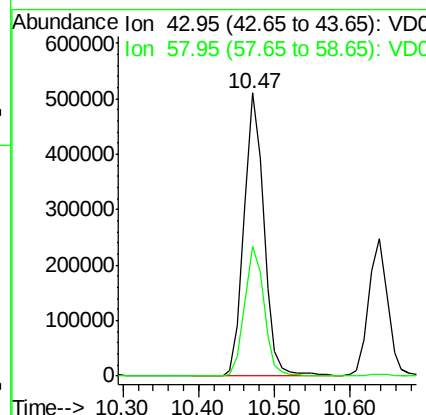
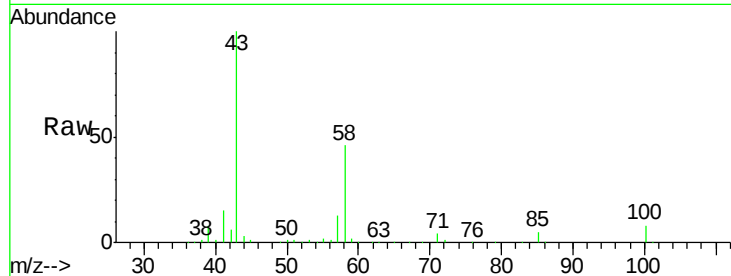




#59
2-Hexanone
Concen: 117.58 ug/l
RT: 10.47 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

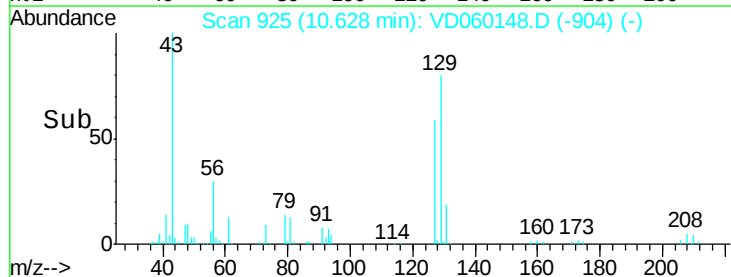
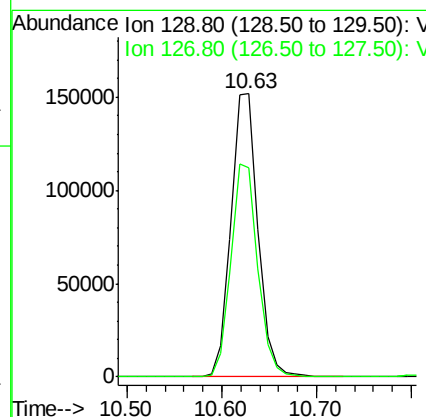
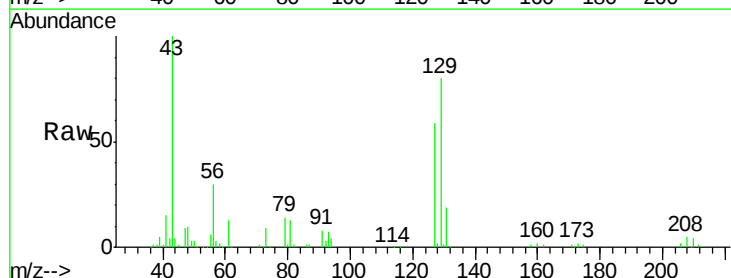
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

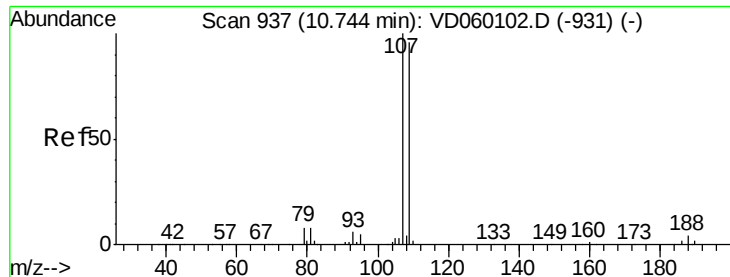
Tgt Ion: 43 Resp: 928218
Ion Ratio Lower Upper
43 100
58 46.0 23.3 69.9



#60
Dibromochloromethane
Concen: 22.25 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 129 Resp: 299773
Ion Ratio Lower Upper
129 100
127 73.9 37.4 112.2





#61

1,2-Dibromoethane

Concen: 22.02 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

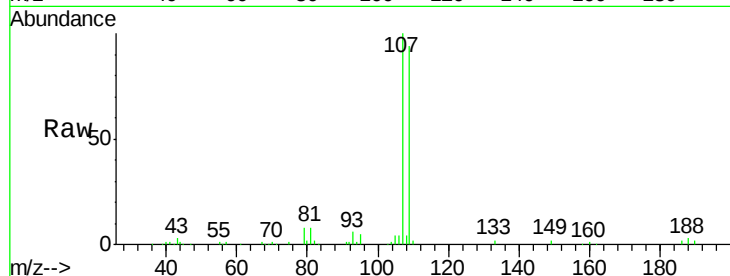
VD1009SBSD01

Tgt Ion: 107 Resp: 256913

Ion Ratio Lower Upper

107 100

109 94.0 77.1 115.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

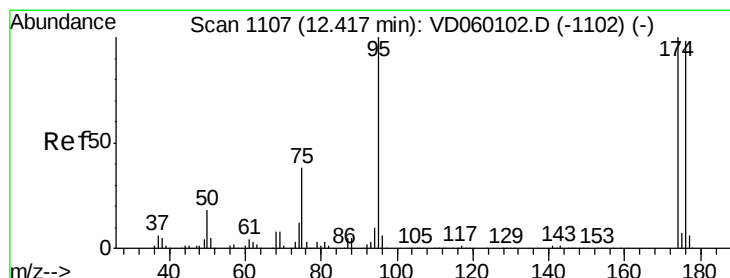
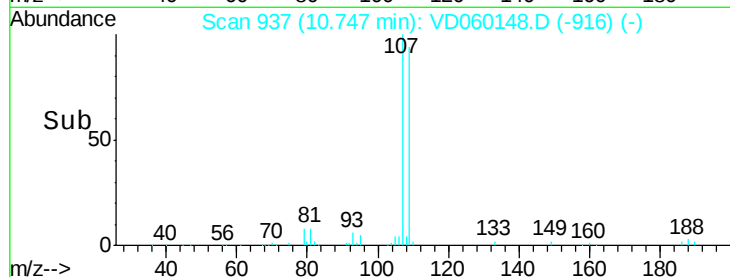
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 22.02 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

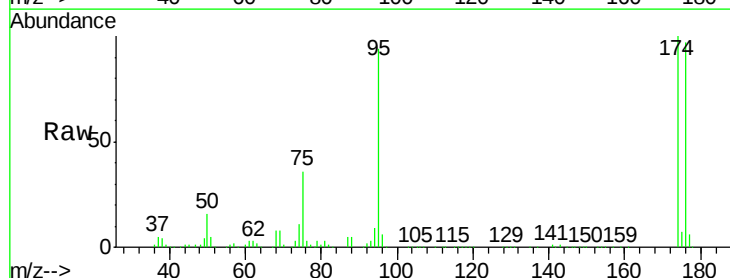
Tgt Ion: 95 Resp: 894412

Ion Ratio Lower Upper

95 100

174 106.4 0.0 200.2

176 103.5 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

12.42

800000

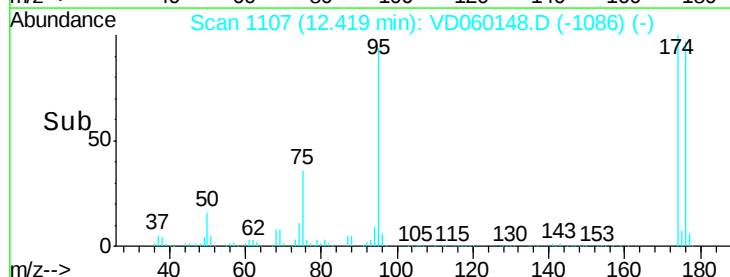
600000

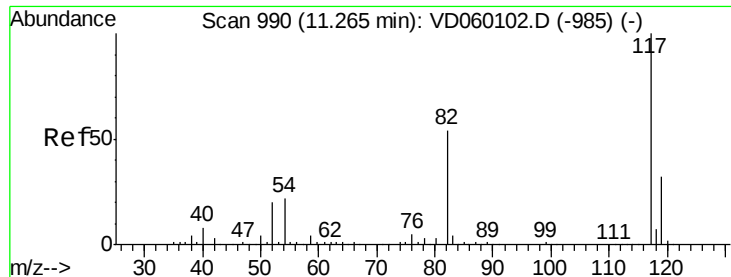
400000

200000

0

Time-->

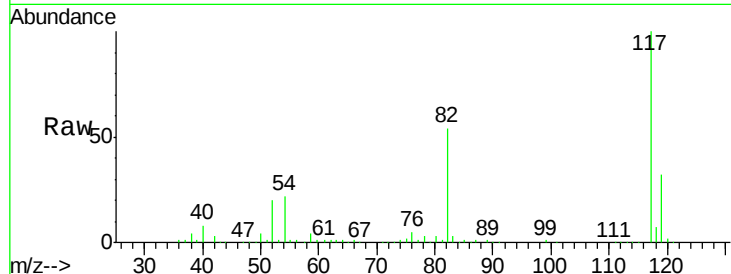




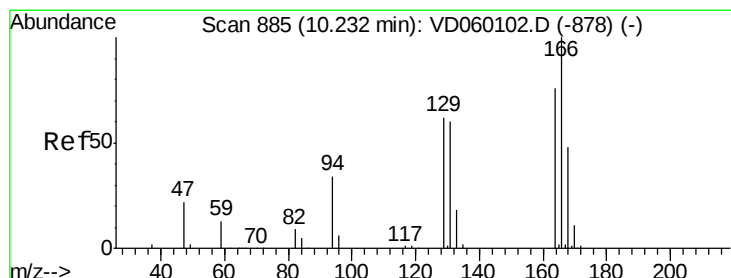
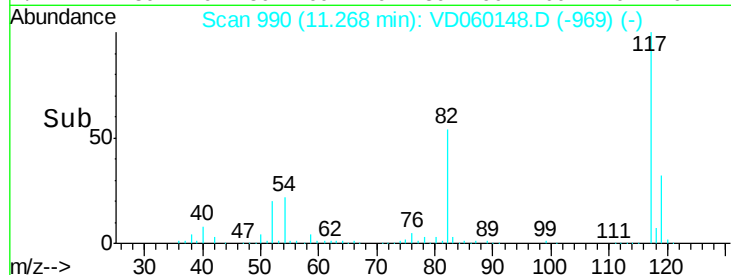
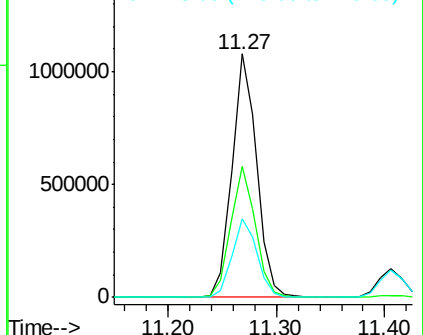
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tgt Ion:117 Resp: 1718171
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.2
119 32.5 26.0 39.0

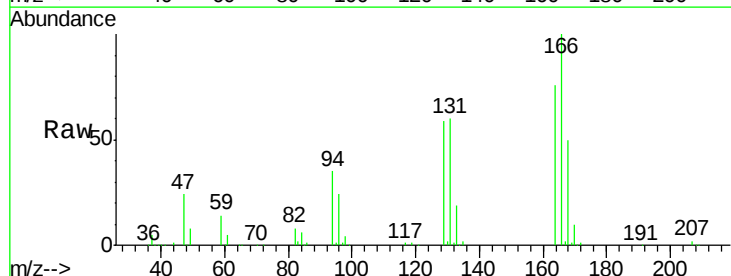


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

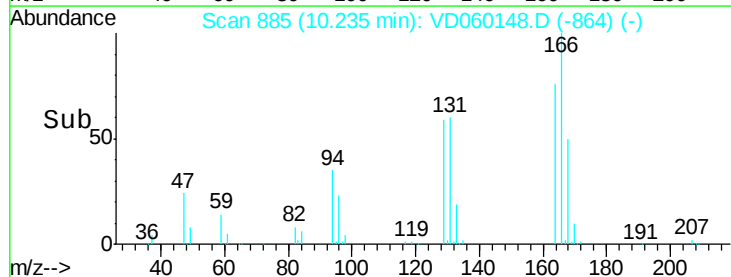
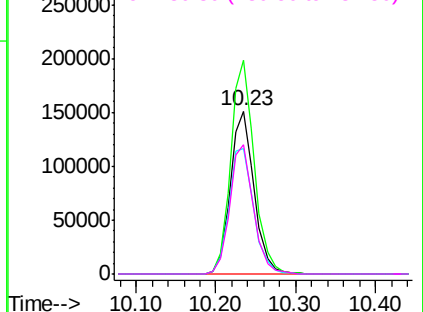


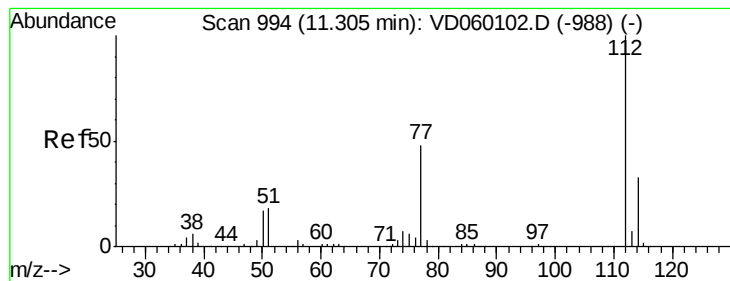
#64
Tetrachloroethene
Concen: 20.92 ug/l
RT: 10.23 min Scan# 885
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion:164 Resp: 314843
Ion Ratio Lower Upper
164 100
166 131.4 105.4 158.0
129 77.0 65.7 98.5
131 79.4 62.9 94.3



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





#65

Chlorobenzene

Concen: 21.81 ug/l

RT: 11.30 min Scan# 993

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

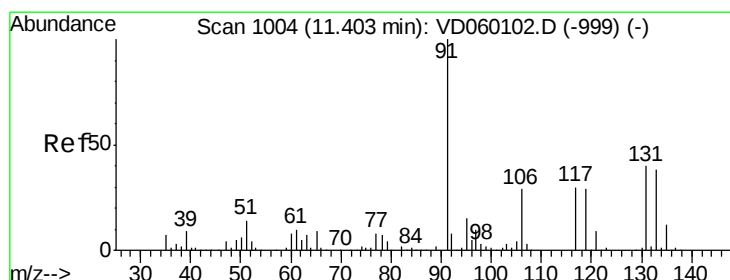
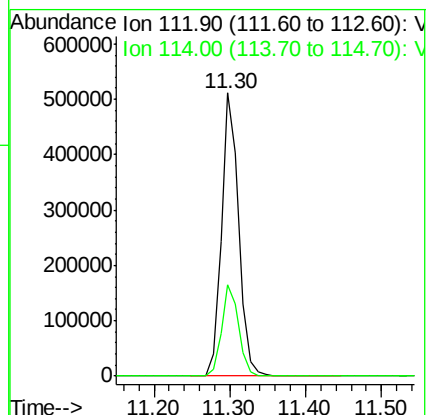
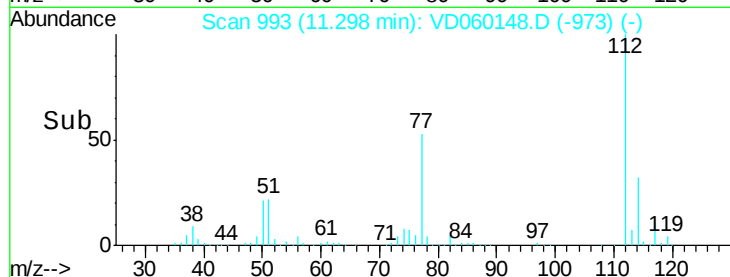
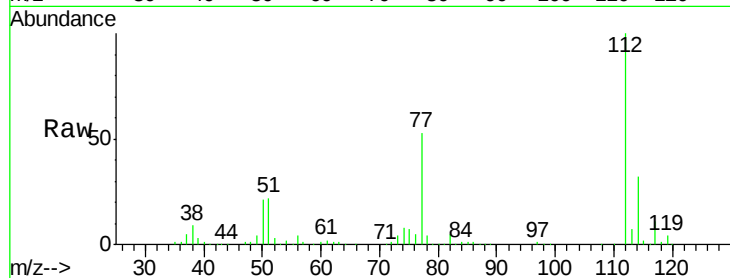
VD1009SBSD01

Tgt Ion:112 Resp: 810825

Ion Ratio Lower Upper

112 100

114 32.1 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 22.68 ug/l

RT: 11.41 min Scan# 1004

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

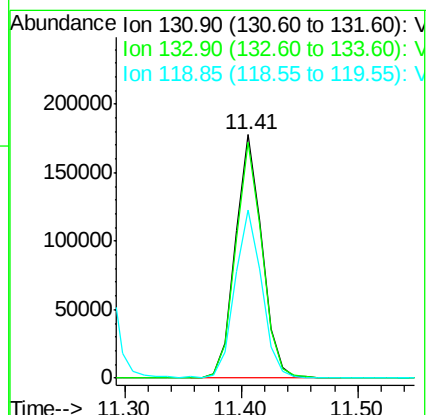
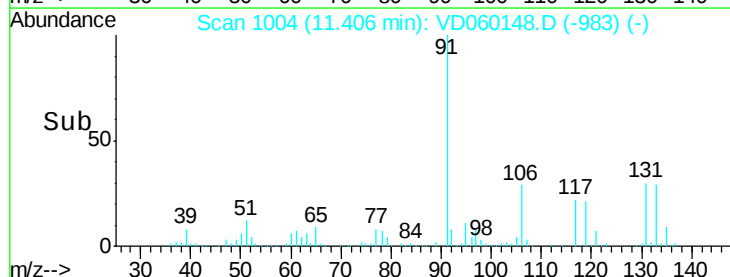
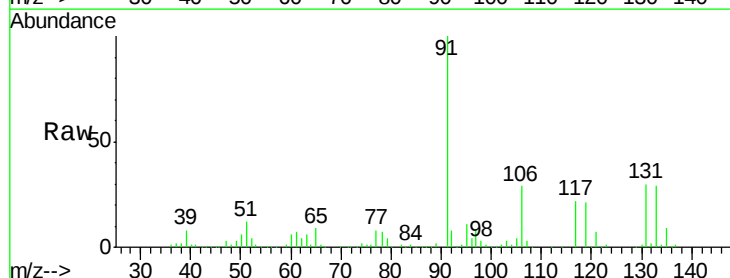
Tgt Ion:131 Resp: 281288

Ion Ratio Lower Upper

131 100

133 96.9 47.4 142.3

119 69.1 36.1 108.3

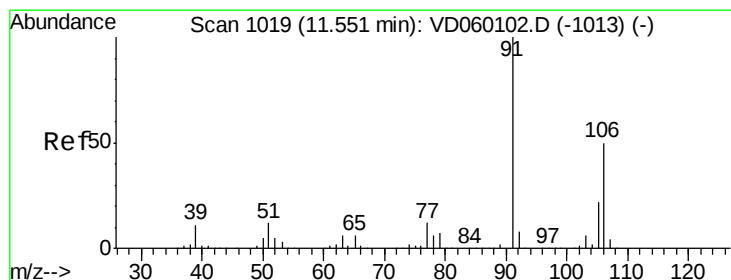
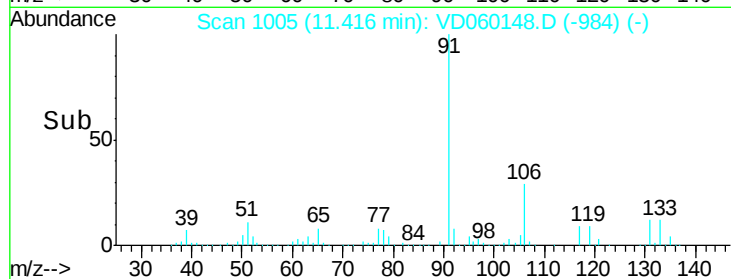
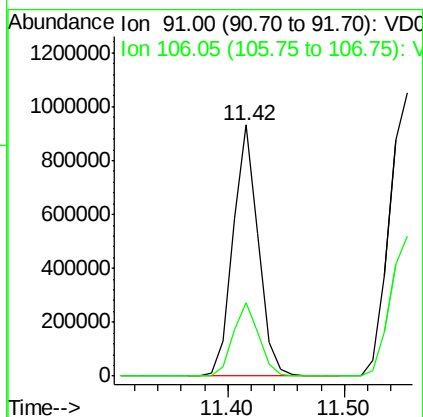
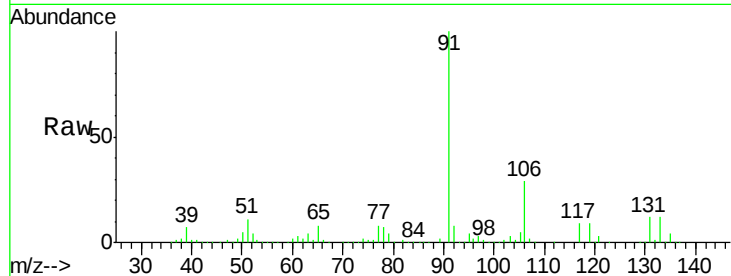




#67
Ethyl Benzene
Concen: 23.13 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

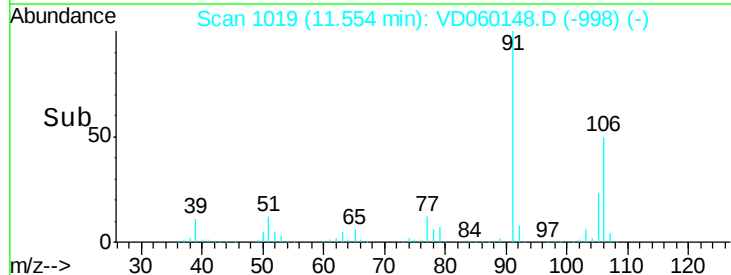
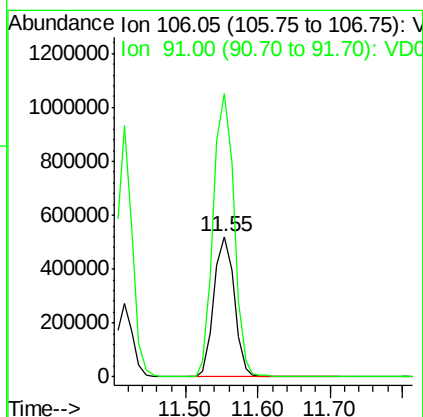
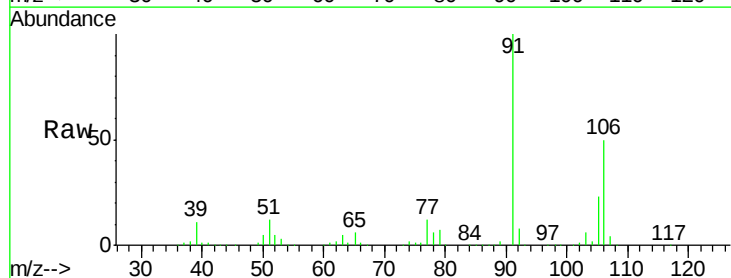
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBS01

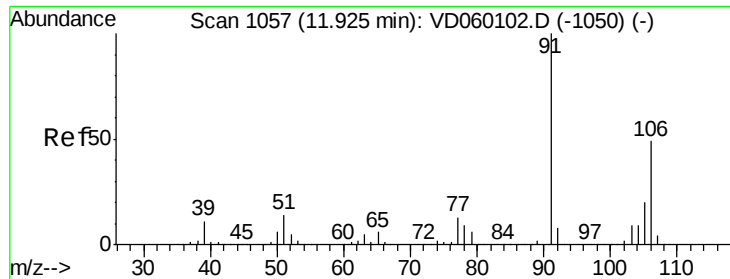
Tgt Ion: 91 Resp: 1392866
Ion Ratio Lower Upper
91 100
106 29.4 24.4 36.6



#68
m/p-Xylenes
Concen: 44.94 ug/l
RT: 11.55 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 106 Resp: 1011307
Ion Ratio Lower Upper
106 100
91 201.7 160.0 240.0

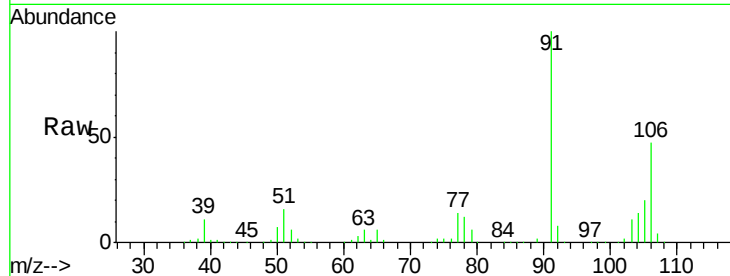




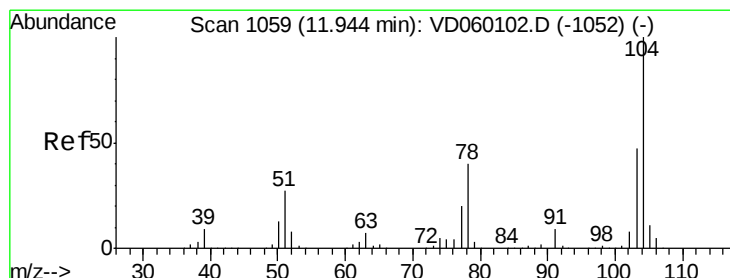
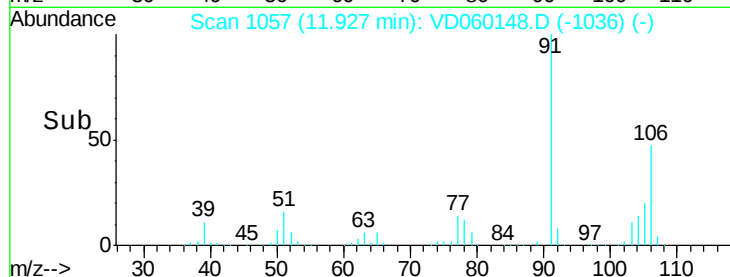
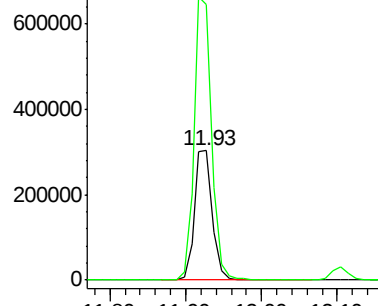
#69
o-Xylene
Concen: 22.31 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tgt Ion:106 Resp: 496569
Ion Ratio Lower Upper
106 100
91 212.6 102.5 307.5

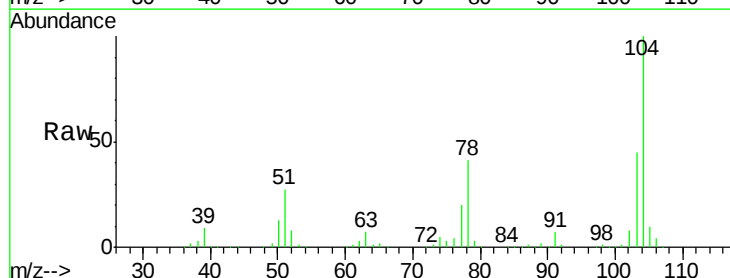


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

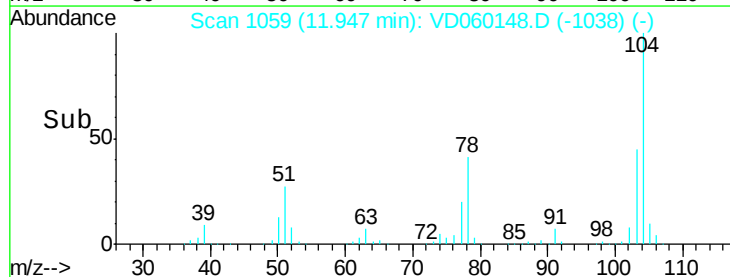
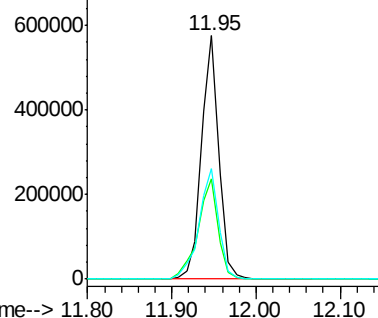


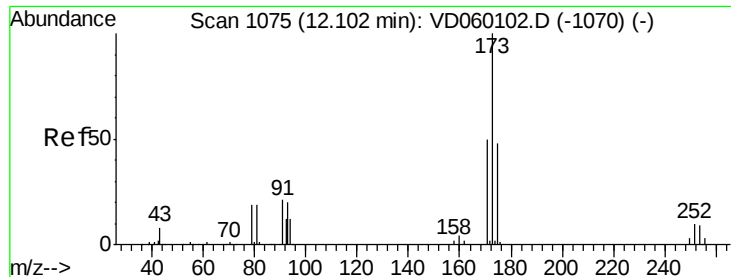
#70
Styrene
Concen: 22.03 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion:104 Resp: 819994
Ion Ratio Lower Upper
104 100
78 41.4 32.2 48.4
103 45.4 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: 21.37 ug/l

RT: 12.10 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

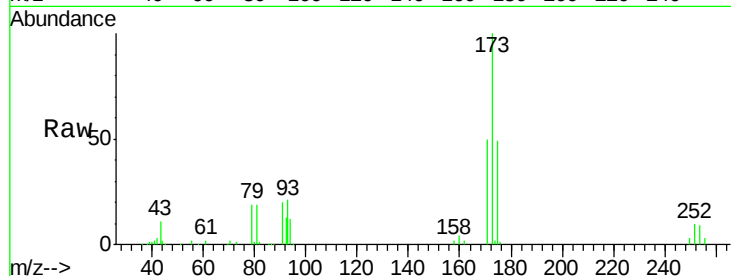
Tgt Ion:173 Resp: 214555

Ion Ratio Lower Upper

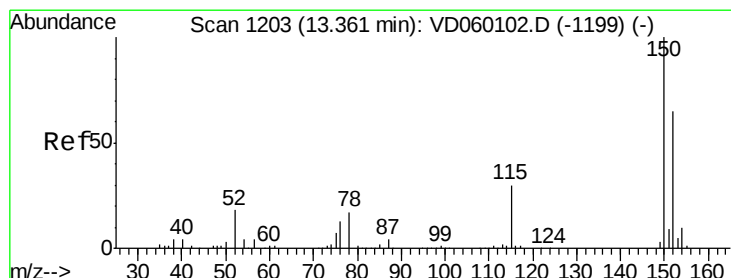
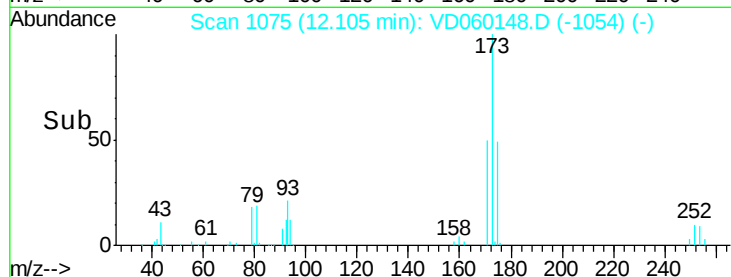
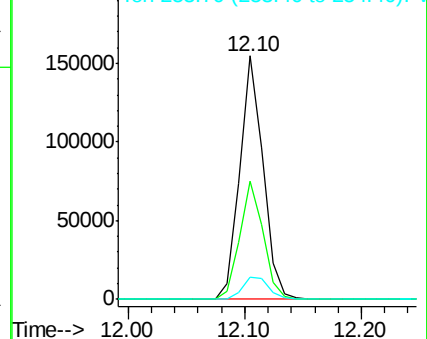
173 100

175 48.7 24.1 72.4

254 9.2 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: 50.00 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

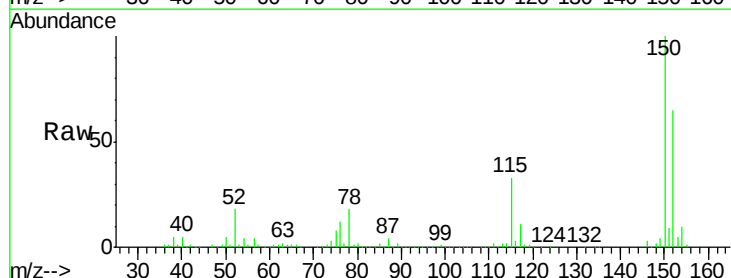
Tgt Ion:152 Resp: 886714

Ion Ratio Lower Upper

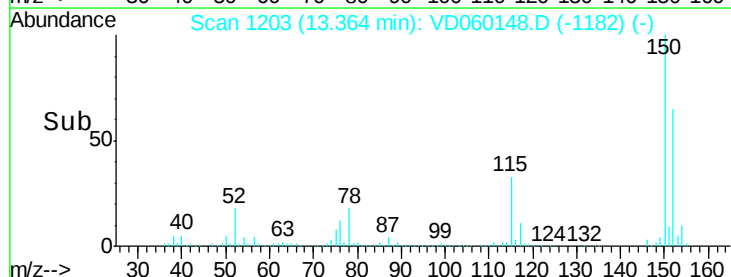
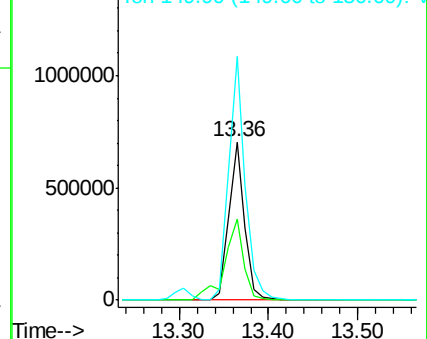
152 100

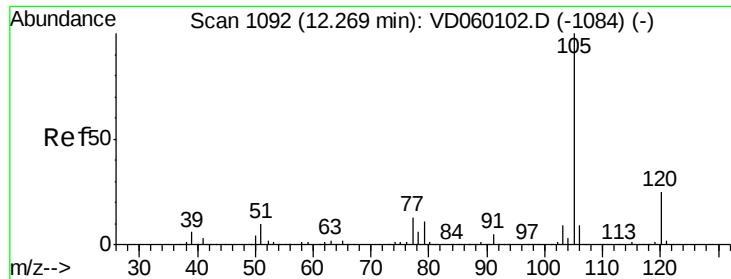
115 51.6 27.1 81.2

150 154.1 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: 22.87 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

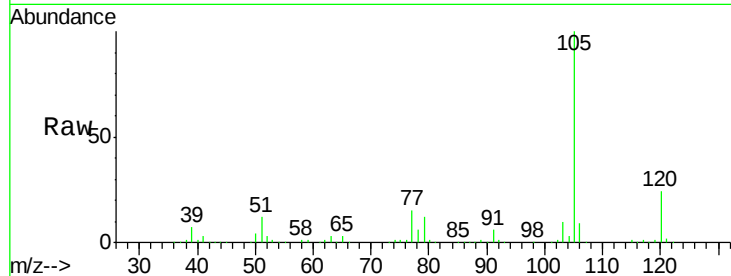
VD1009SBSD01

Tgt Ion:105 Resp: 1337963

Ion Ratio Lower Upper

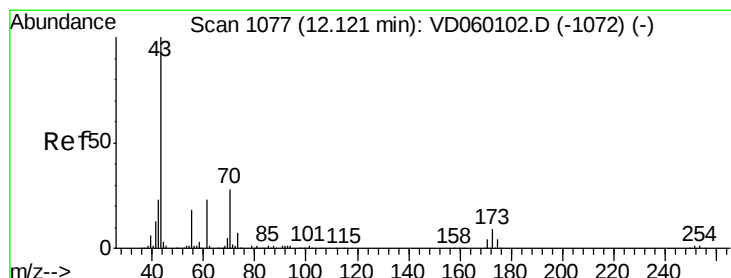
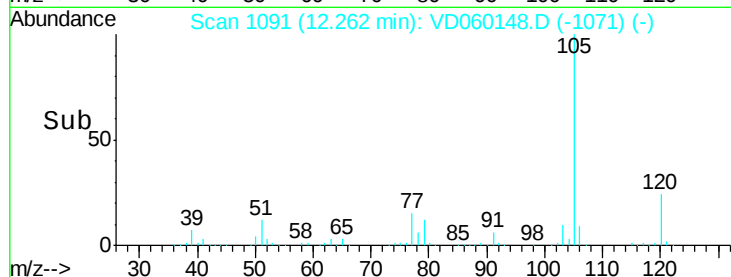
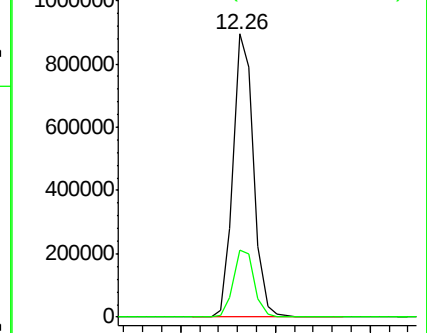
105 100

120 23.8 12.6 37.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 22.81 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Tgt Ion: 43 Resp: 488753

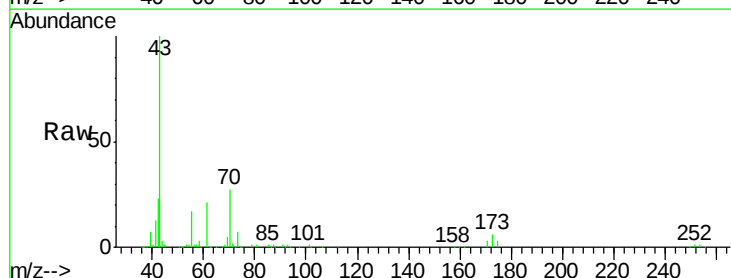
Ion Ratio Lower Upper

43 100

70 27.1 22.1 33.1

55 17.1 14.1 21.1

61 20.8 18.4 27.6

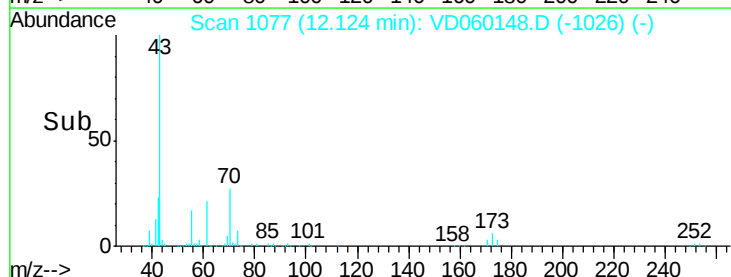
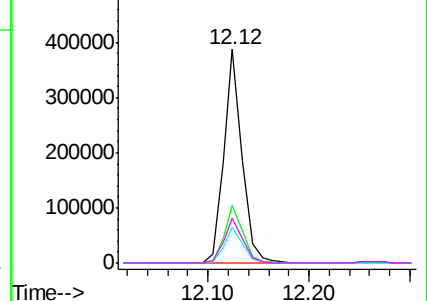


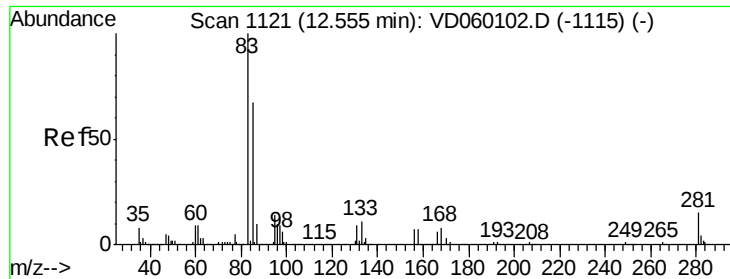
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 22.44 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

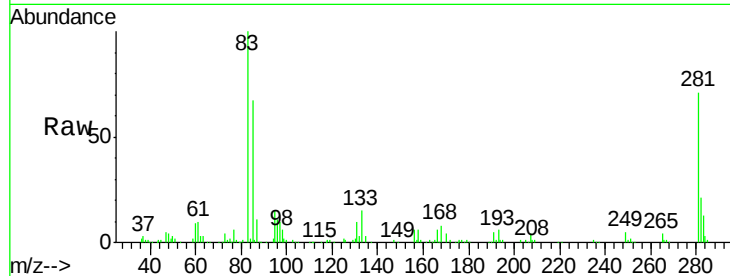
Tgt Ion: 83 Resp: 286576

Ion Ratio Lower Upper

83 100

131 9.7 4.5 13.4

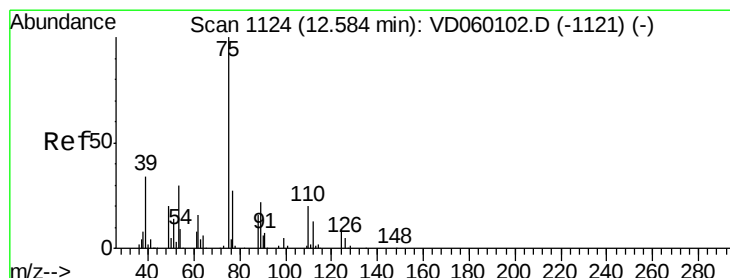
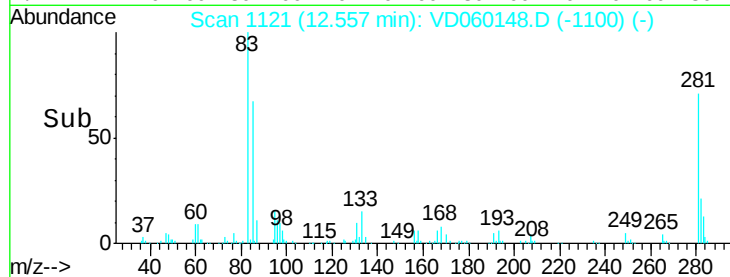
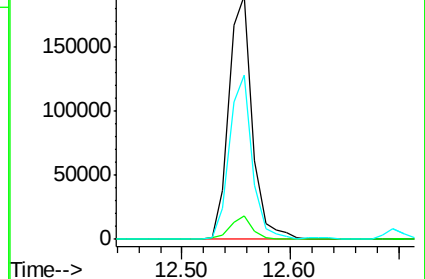
85 67.4 33.3 99.9



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: 21.78 ug/l

RT: 12.59 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VD060148.D

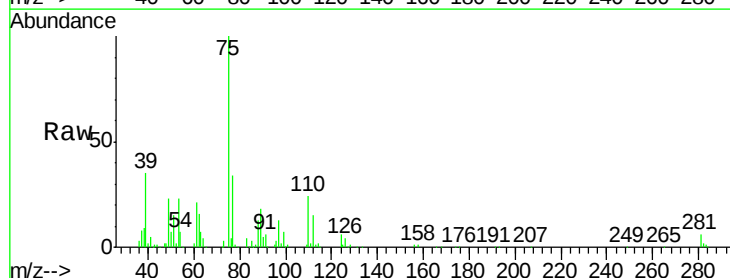
Acq: 9 Oct 2018 12:40

Tgt Ion: 75 Resp: 278106

Ion Ratio Lower Upper

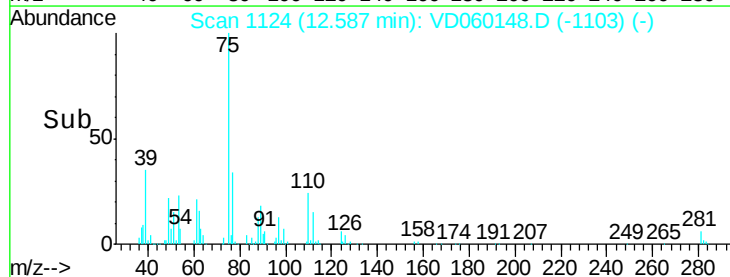
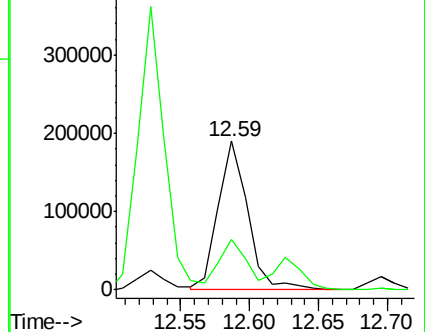
75 100

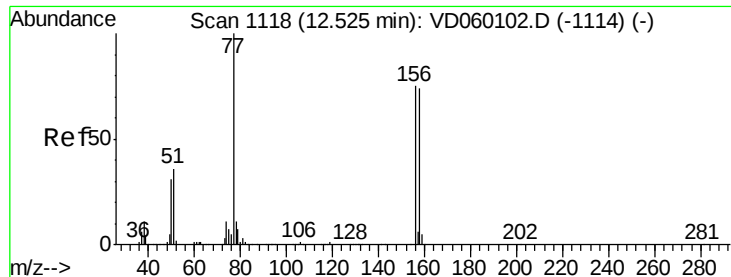
77 33.7 16.3 48.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.78 ug/l

RT: 12.53 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

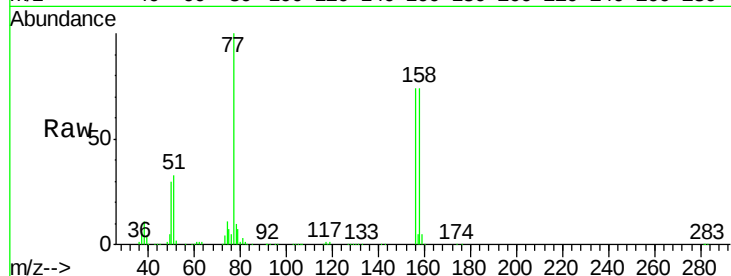
Tgt Ion: 156 Resp: 387278

Ion Ratio Lower Upper

156 100

77 134.4 66.9 200.7

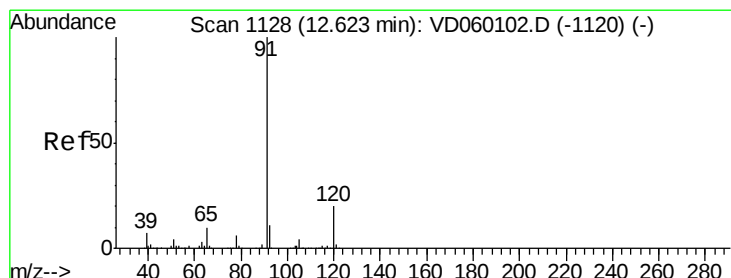
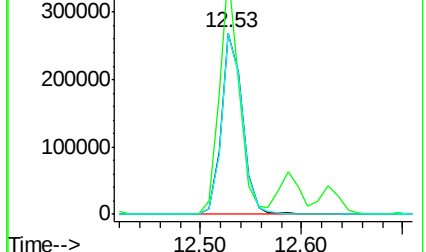
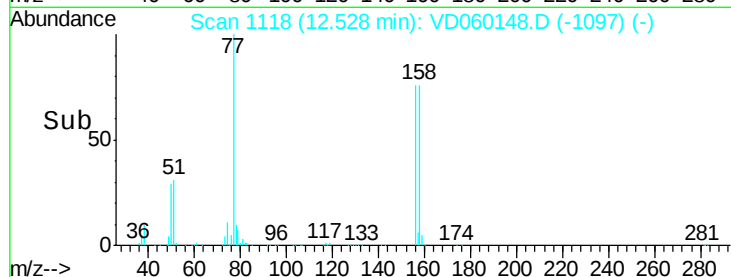
158 99.8 49.1 147.4



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.27 ug/l

RT: 12.63 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VD060148.D

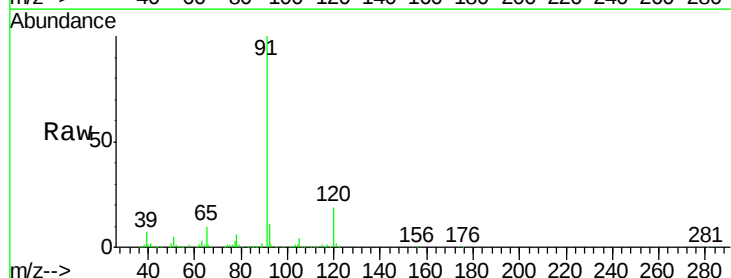
Acq: 9 Oct 2018 12:40

Tgt Ion: 91 Resp: 1690230

Ion Ratio Lower Upper

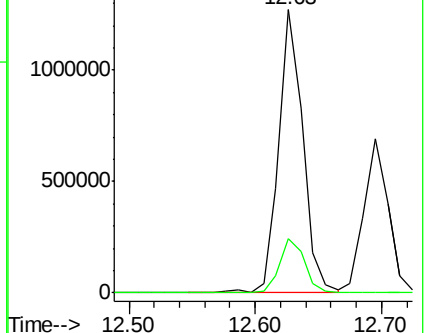
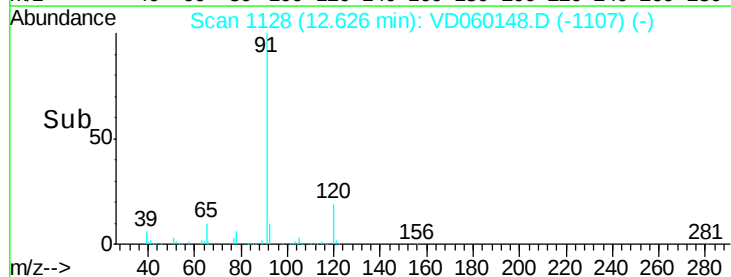
91 100

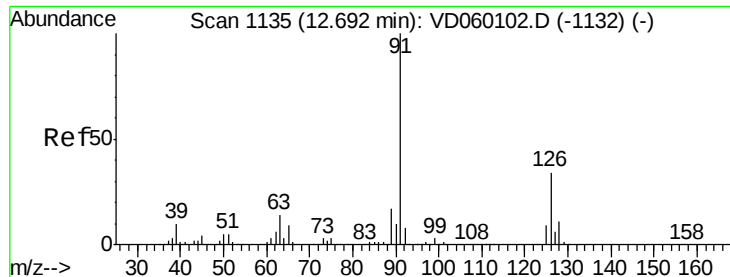
120 19.3 10.0 30.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.82 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

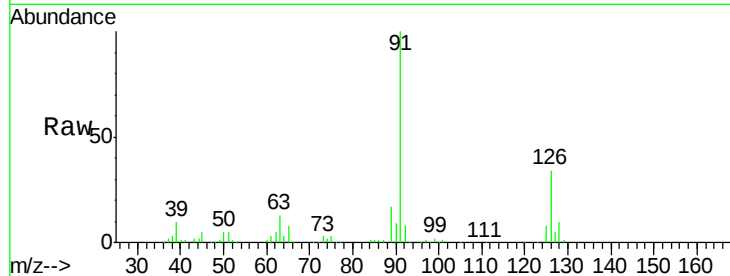
VD1009SBSD01

Tgt Ion: 91 Resp: 920044

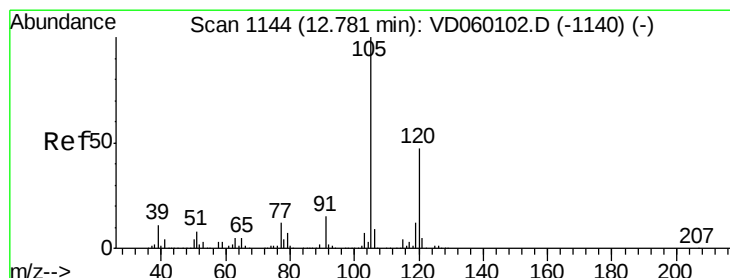
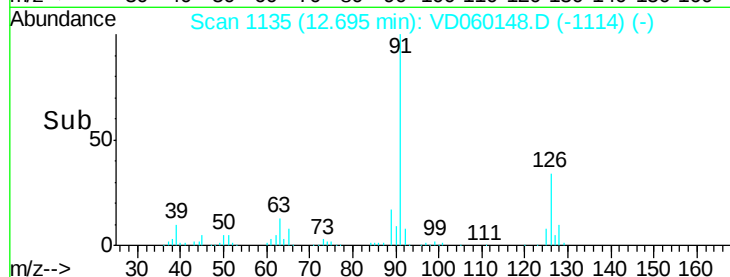
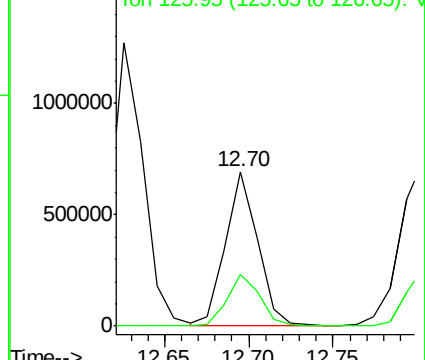
Ion Ratio Lower Upper

91 100

126 33.5 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VD060148.D (-1132) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.23 ug/l

RT: 12.78 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VD060148.D

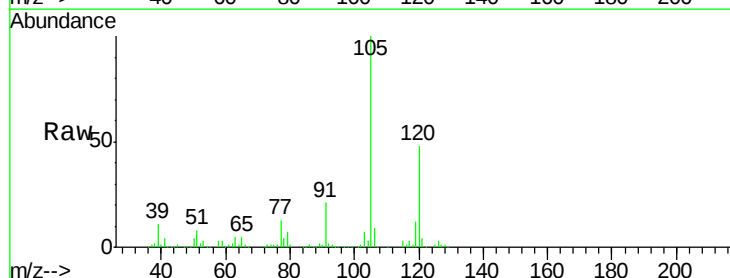
Acq: 9 Oct 2018 12:40

Tgt Ion: 105 Resp: 1051592

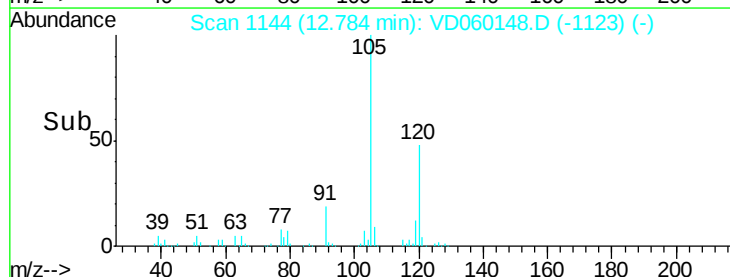
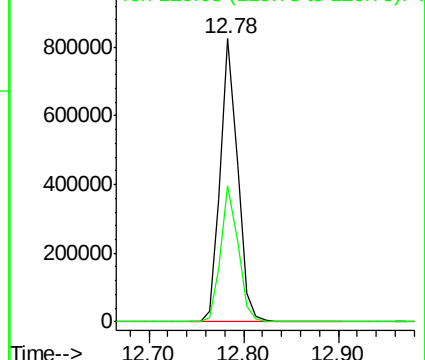
Ion Ratio Lower Upper

105 100

120 48.0 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): VD060148.D (-1123) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 22.77 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060148.D

Acq: 9 Oct 2018 12:40

Instrument :

MSVOA_D

ClientSampleId :

VD1009SBSD01

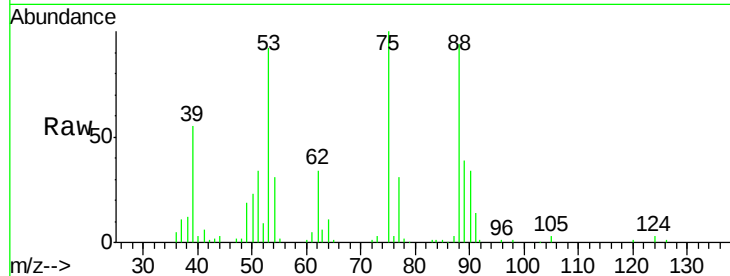
Tgt Ion: 75 Resp: 81710

Ion Ratio Lower Upper

75 100

53 91.8 73.0 109.6

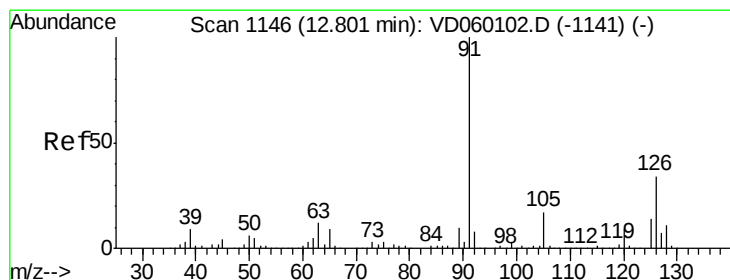
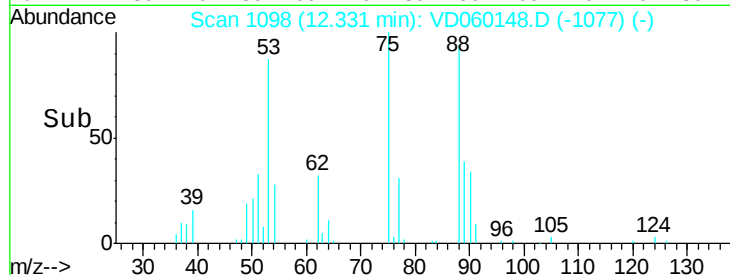
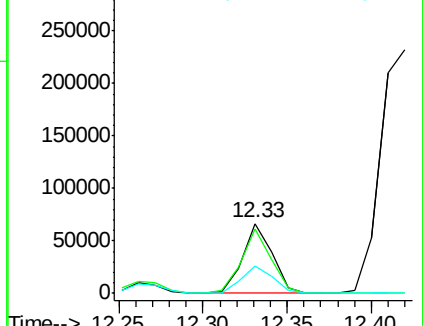
89 38.8 32.0 48.0



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: 23.54 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060148.D

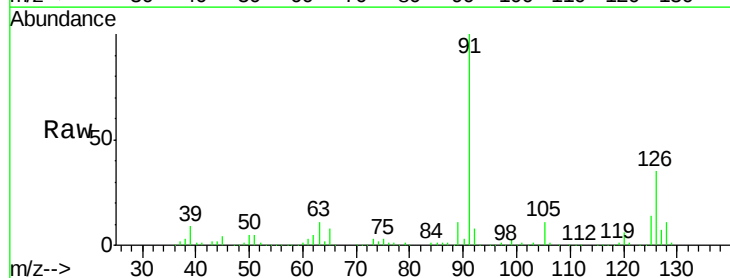
Acq: 9 Oct 2018 12:40

Tgt Ion: 91 Resp: 1073443

Ion Ratio Lower Upper

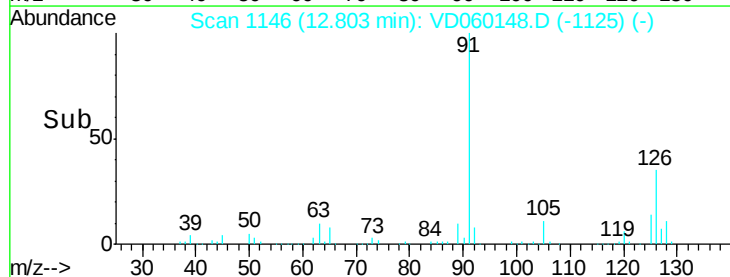
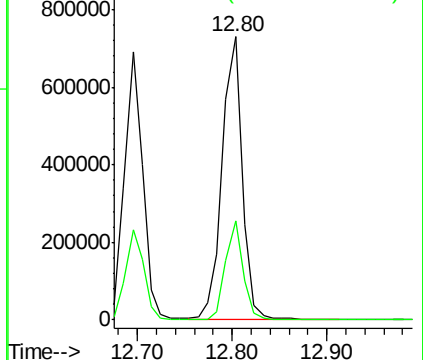
91 100

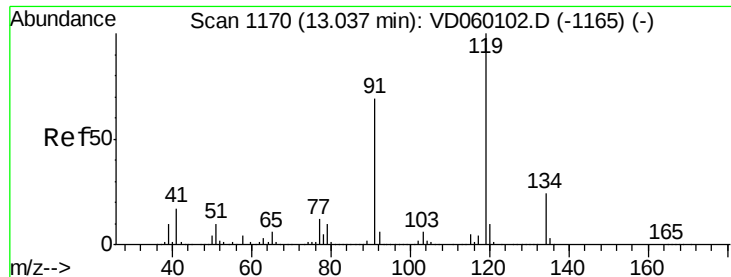
126 34.8 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

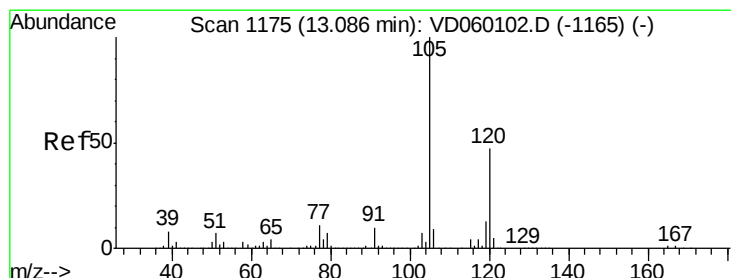
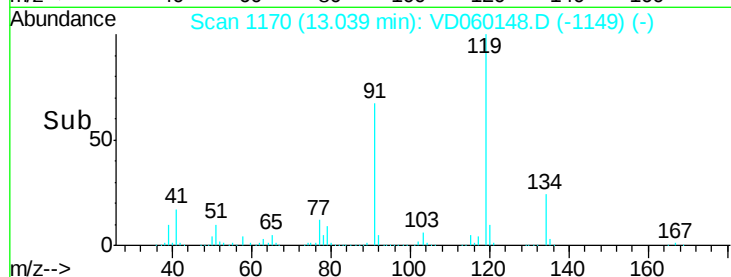
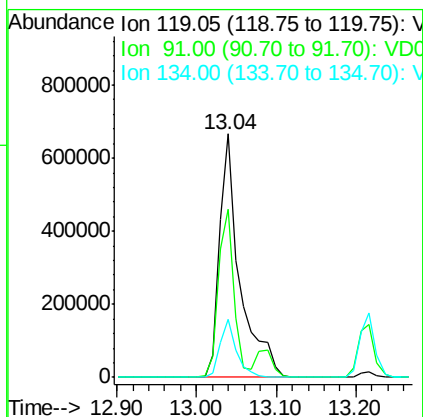
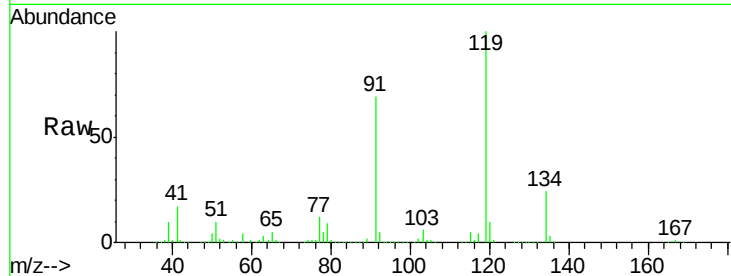




#83
 tert-Butylbenzene
 Concen: 23.12 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

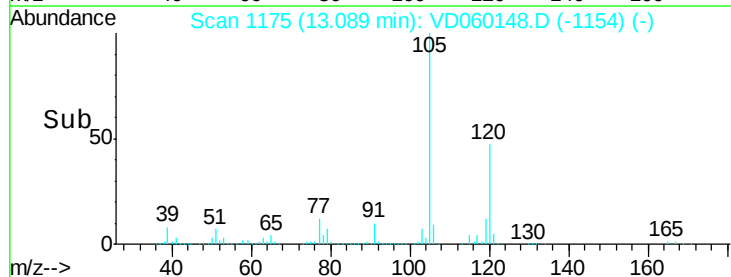
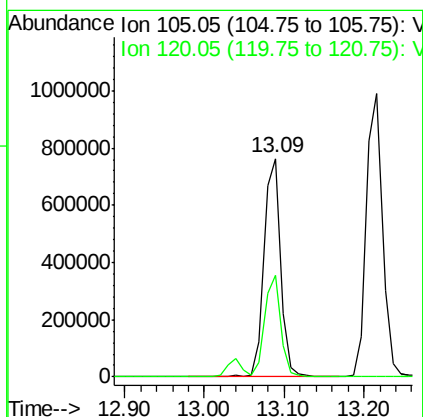
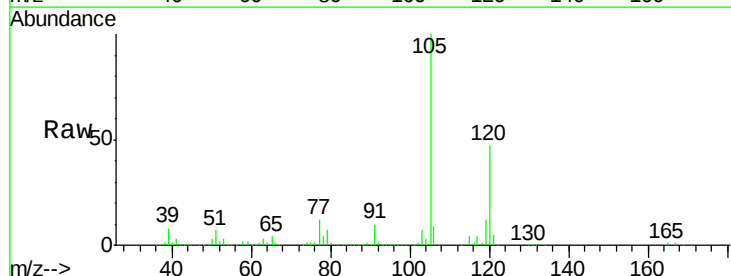
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

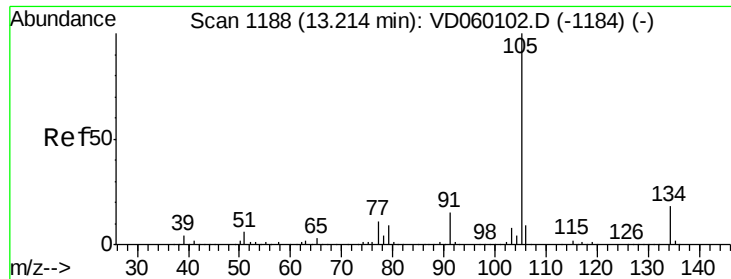
Tgt Ion:119 Resp: 1201240
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.8 104.4
 134 23.8 11.8 35.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.79 ug/l
 RT: 13.09 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion:105 Resp: 1087389
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.0

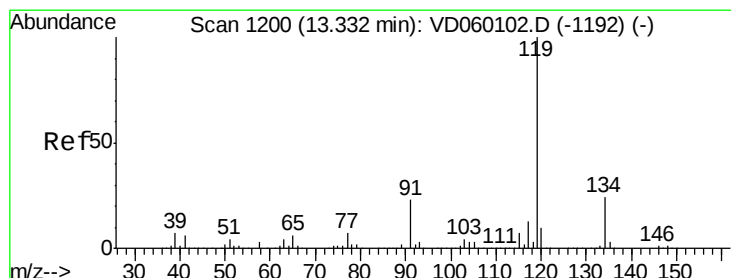
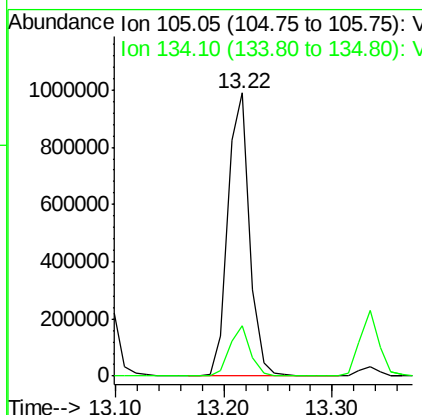
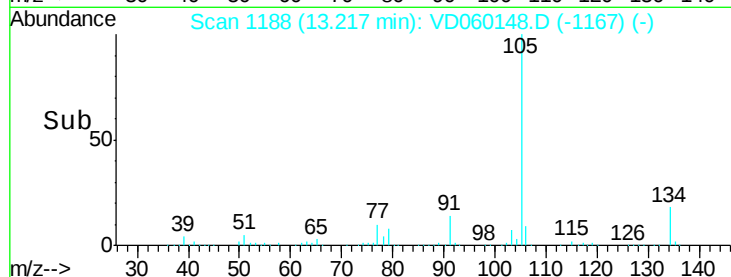
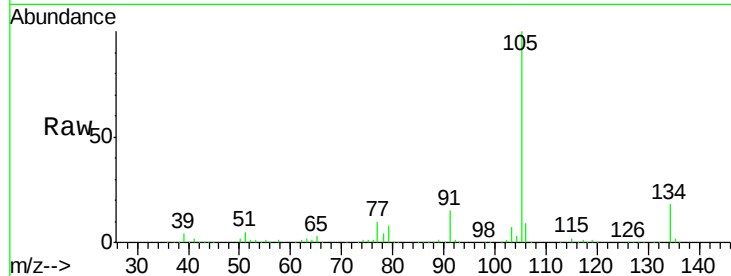




#85
 sec-Butylbenzene
 Concen: 22.32 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

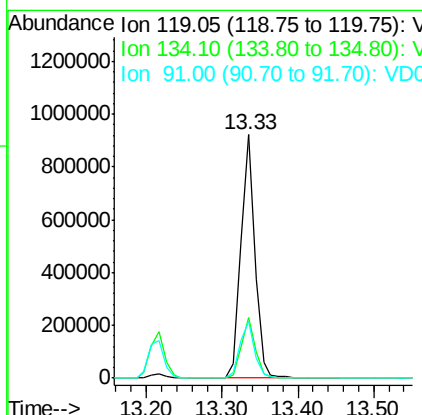
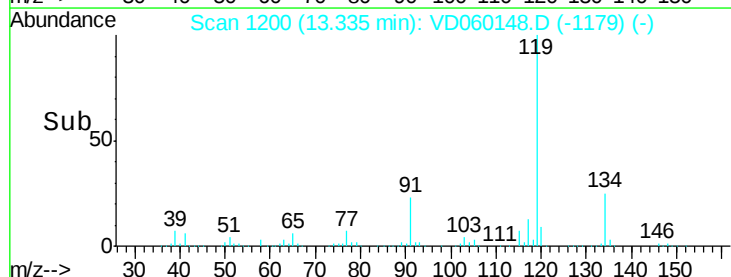
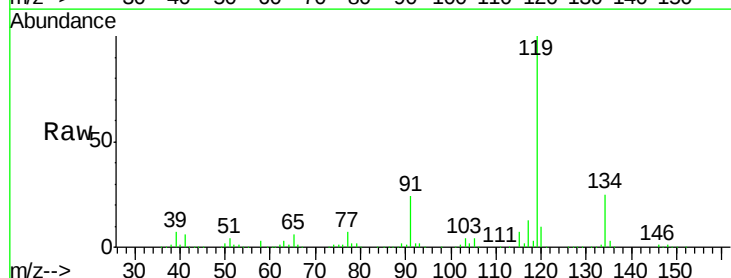
Instrument :
 MSVOA_D
 ClientSampleID :
 VD1009SBSD01

Tgt Ion:105 Resp: 1371401
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 22.92 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion:119 Resp: 1154830
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.3 36.8
 91 23.5 11.8 35.4

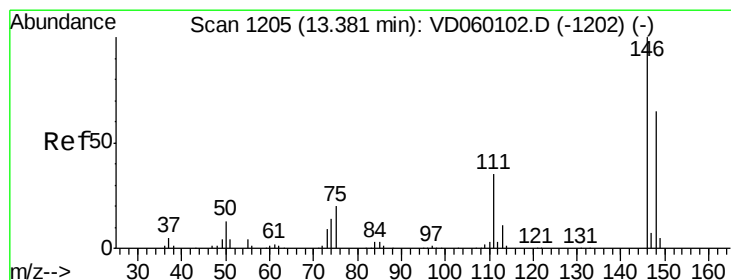
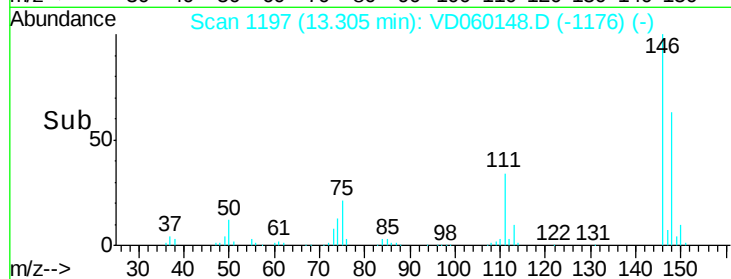
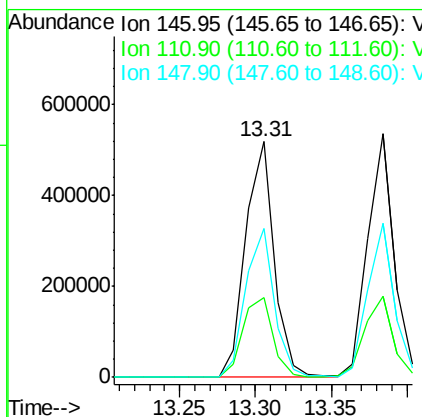
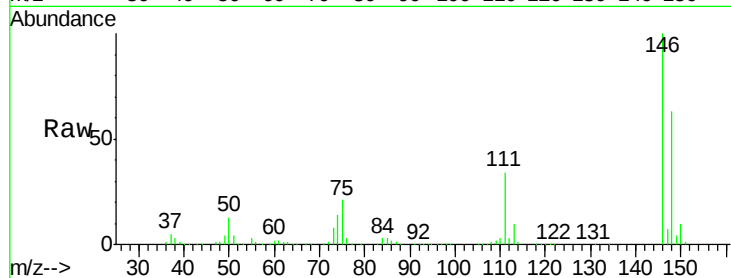




#87
 1,3-Dichlorobenzene
 Concen: 23.08 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

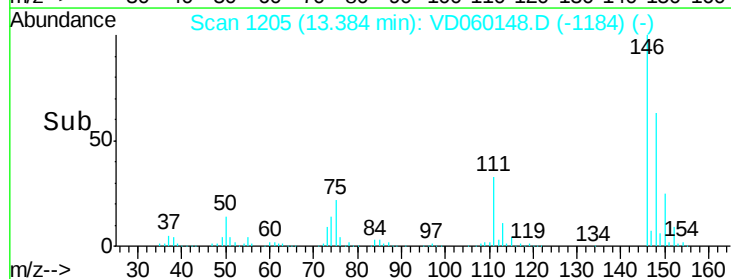
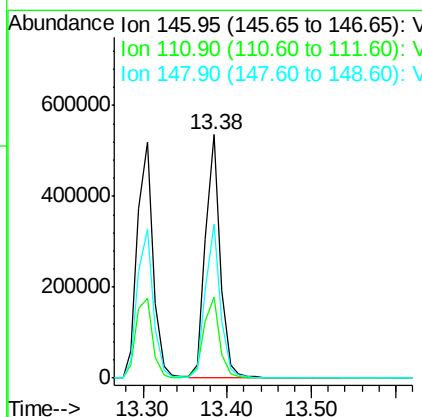
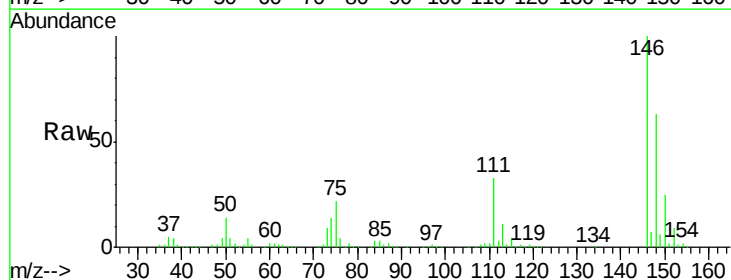
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

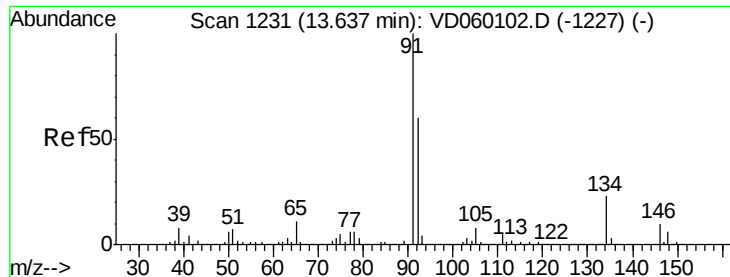
Tgt Ion:146 Resp: 683507
 Ion Ratio Lower Upper
 146 100
 111 33.8 18.1 54.3
 148 63.2 32.3 96.9



#88
 1,4-Dichlorobenzene
 Concen: 22.22 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion:146 Resp: 661022
 Ion Ratio Lower Upper
 146 100
 111 33.3 17.8 53.3
 148 63.2 32.4 97.2

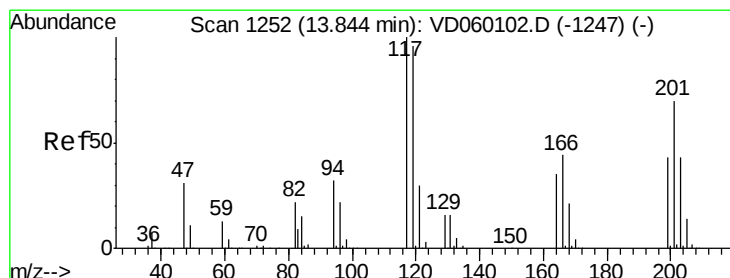
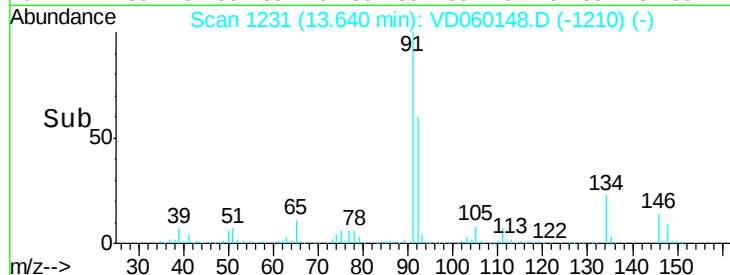
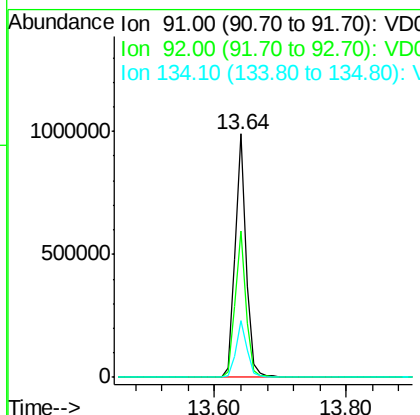
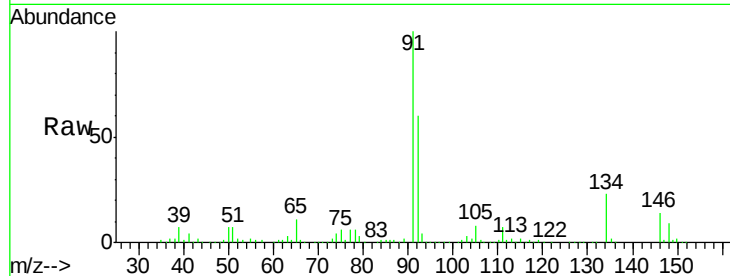




#89
n-Butylbenzene
Concen: 23.78 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

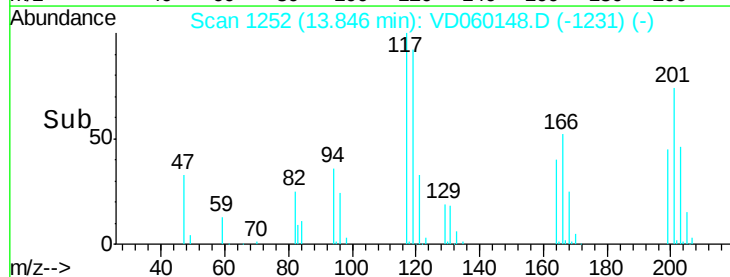
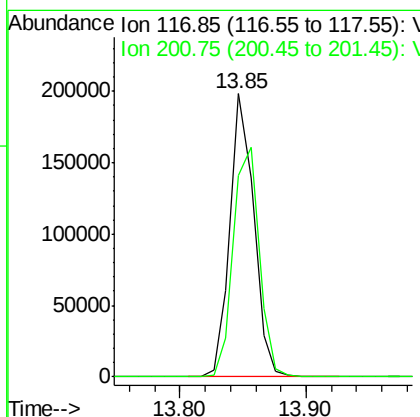
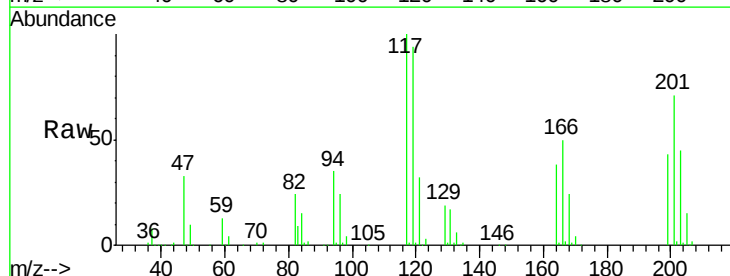
Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

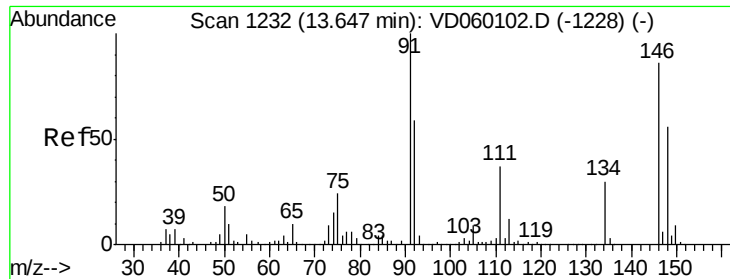
Tgt Ion: 91 Resp: 1169192
Ion Ratio Lower Upper
91 100
92 60.4 30.1 90.3
134 23.4 11.6 34.7



#90
Hexachloroethane
Concen: 22.22 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion: 117 Resp: 259135
Ion Ratio Lower Upper
117 100
201 71.0 34.8 104.5

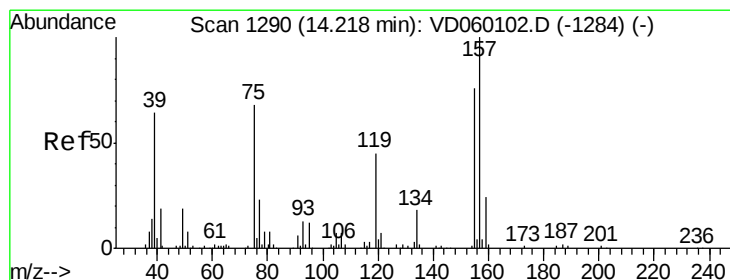
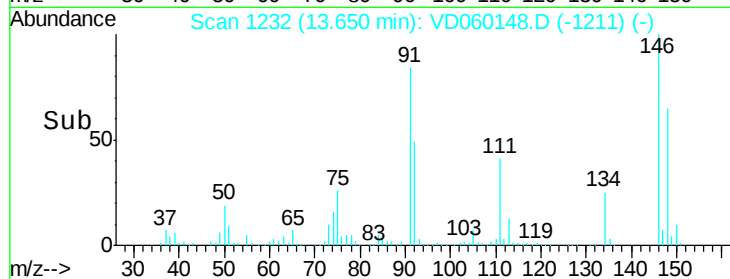
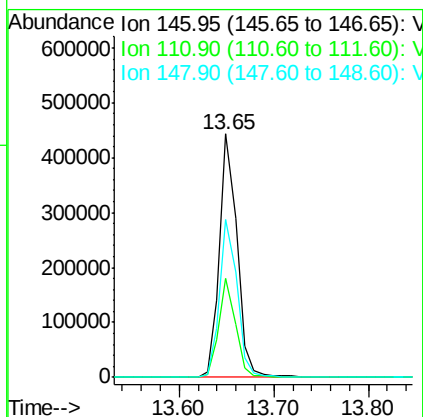
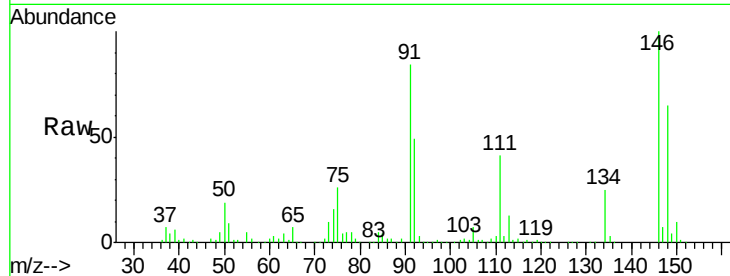




#91
 1,2-Dichlorobenzene
 Concen: 22.92 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

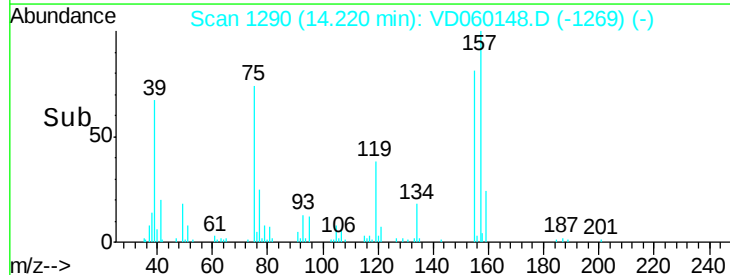
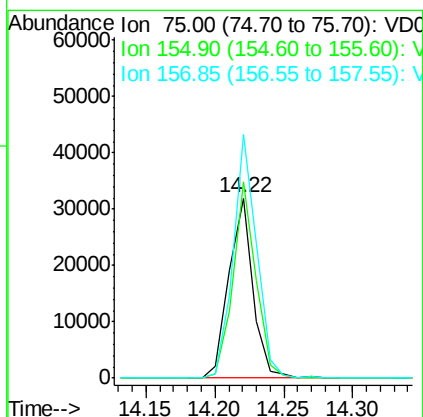
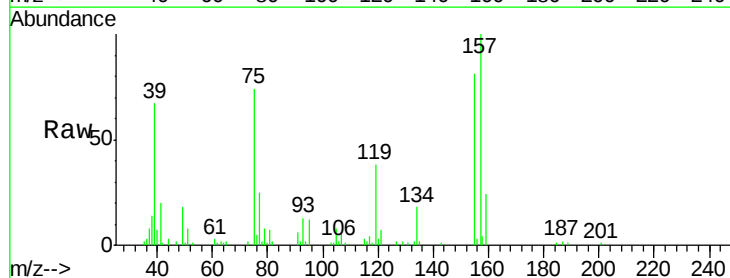
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBSD01

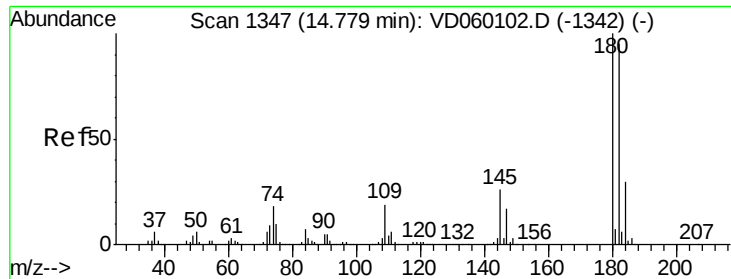
Tgt Ion: 146 Resp: 570788
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.4 64.3
 148 64.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.67 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion: 75 Resp: 38652
 Ion Ratio Lower Upper
 75 100
 155 109.0 55.9 167.7
 157 135.3 73.3 219.8

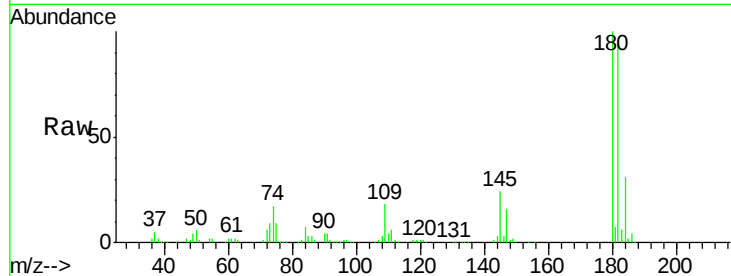




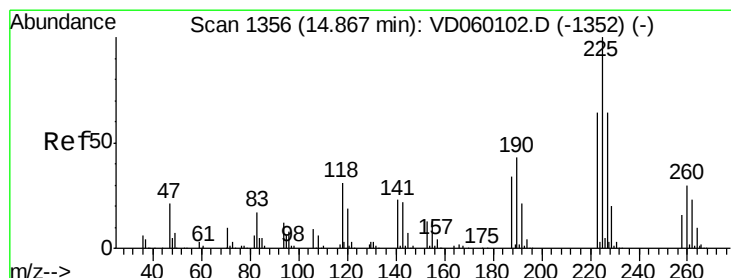
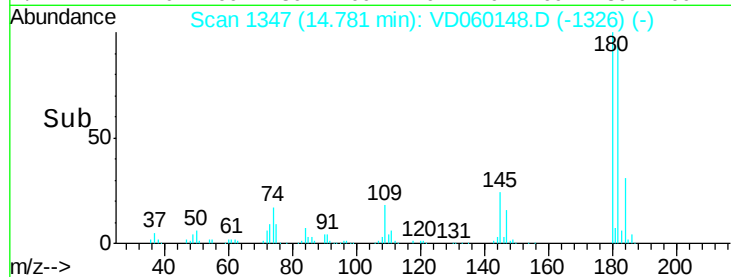
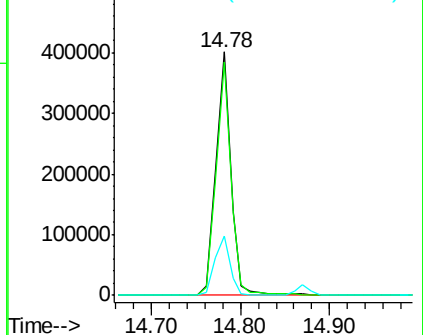
#93
 1,2,4-Trichlorobenzene
 Concen: 22.47 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1009SBS01

Tgt Ion:180 Resp: 474976
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.3 141.8
 145 24.4 13.0 38.9

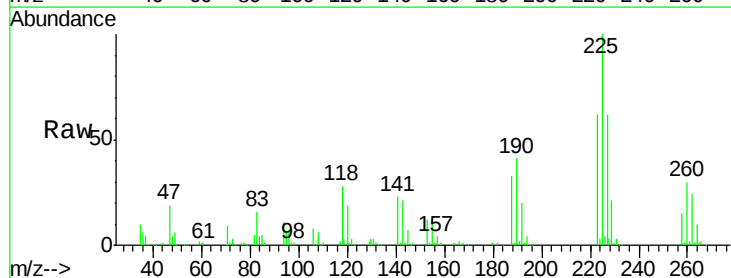


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

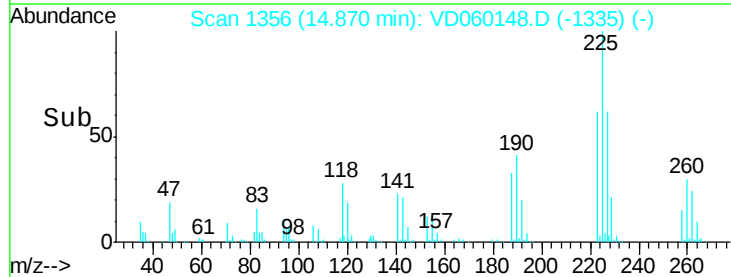
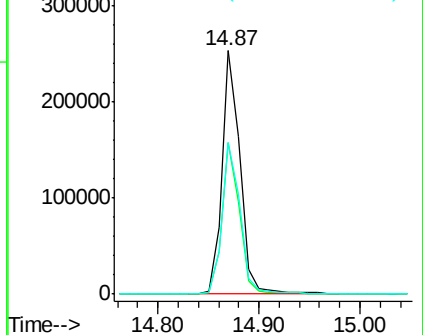


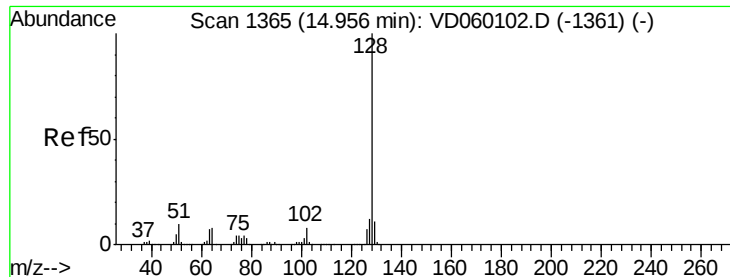
#94
 Hexachlorobutadiene
 Concen: 22.54 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060148.D
 Acq: 9 Oct 2018 12:40

Tgt Ion:225 Resp: 316743
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.8 95.4
 227 62.4 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

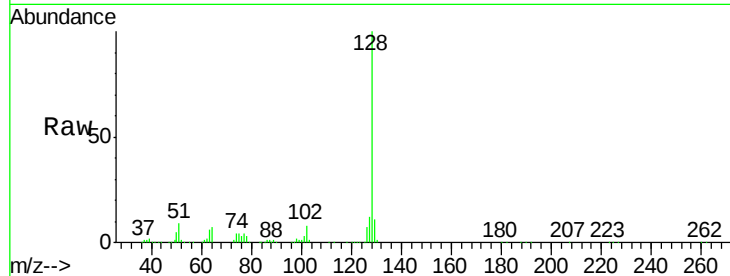




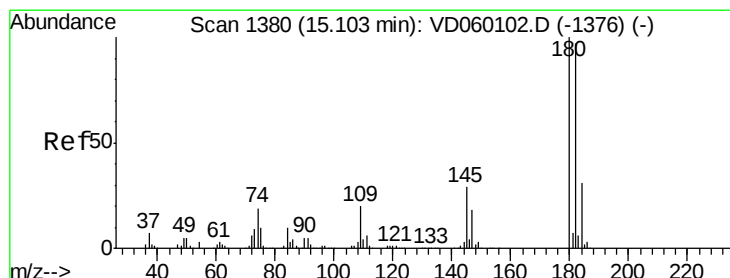
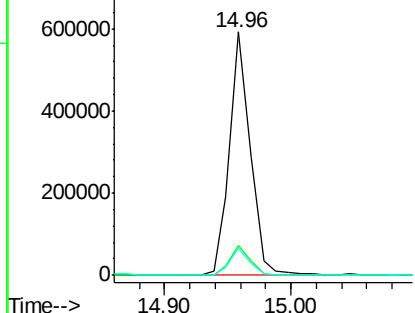
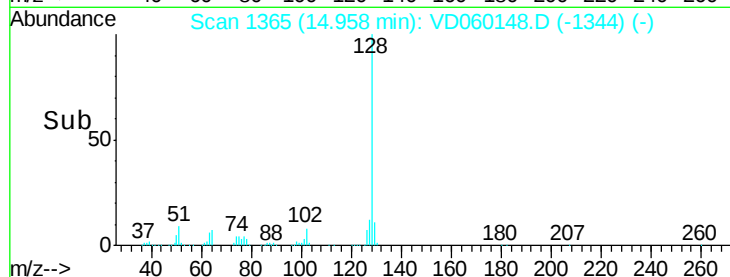
#95
Naphthalene
Concen: 21.55 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Instrument :
MSVOA_D
ClientSampleId :
VD1009SBSD01

Tgt Ion:128 Resp: 675238
Ion Ratio Lower Upper
128 100
127 12.4 9.9 14.9
129 11.1 8.8 13.2

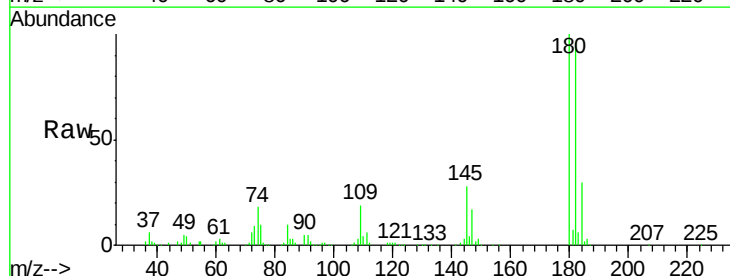


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.36 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060148.D
Acq: 9 Oct 2018 12:40

Tgt Ion:180 Resp: 392810
Ion Ratio Lower Upper
180 100
182 96.1 48.4 145.0
145 27.8 14.5 43.6



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

