

Data File : VD060960.D
Acq On : 6 Mar 2019 12:39
Operator : VA/AP
Sample : VD0306SBL01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBL01

Quant Time: Mar 07 05:47:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	825359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1404567	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1147877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	535546	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	342701	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
35) Dibromofluoromethane	6.93	113	535469	47.55	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.10%	
50) Toluene-d8	10.41	98	1324159	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
62) 4-Bromofluorobenzene	13.56	95	499197	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	

Target Compounds

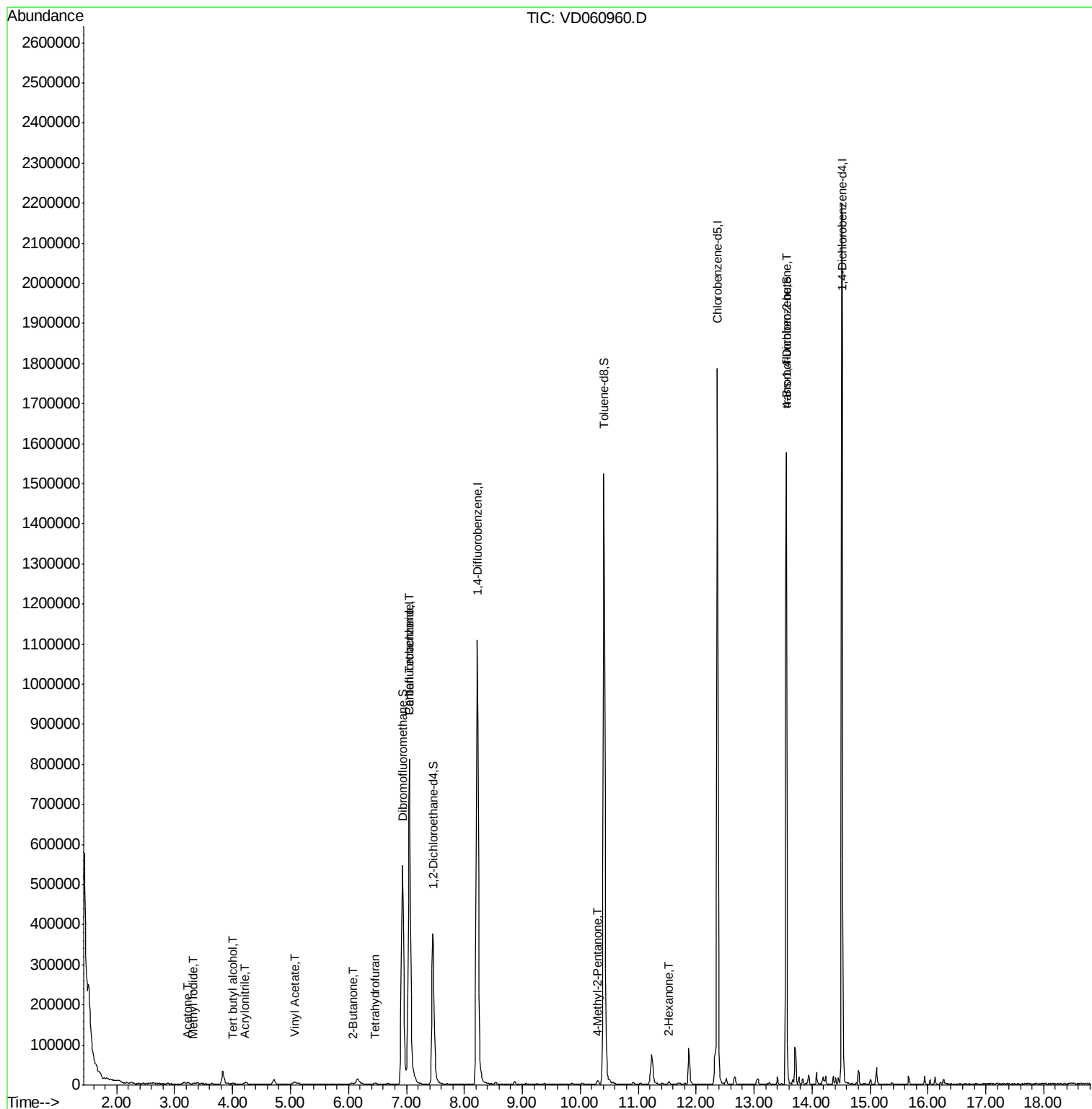
						Qvalue
10) Methyl Iodide	3.32	142	5682	5.063	ug/l #	84
11) Tert butyl alcohol	4.02	59	2003	3.939	ug/l #	77
15) Acrylonitrile	4.21	53	3489	1.792	ug/l #	83
16) Acetone	3.23	43	8981	3.942	ug/l	96
20) Methylene Chloride	3.82	84	25211	Below Cal		89
23) Vinyl Acetate	5.07	43	18149	1.054	ug/l	98
25) 2-Butanone	6.08	43	4768	1.687	ug/l	93
29) Tetrahydrofuran	6.46	42	2155	1.481	ug/l #	64
38) Carbon Tetrachloride	7.05	117	79015	5.695	ug/l #	16
51) 4-Methyl-2-Pentanone	10.30	43	9142	1.622	ug/l	94
59) 2-Hexanone	11.53	43	6878	1.741	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.56	75	177044	68.940	ug/l #	20
89) n-Butylbenzene	14.80	91	11297	Below Cal		98

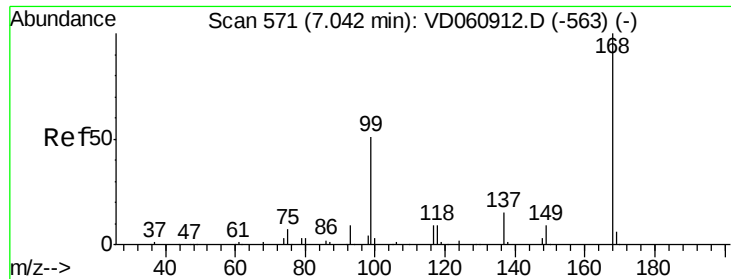
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

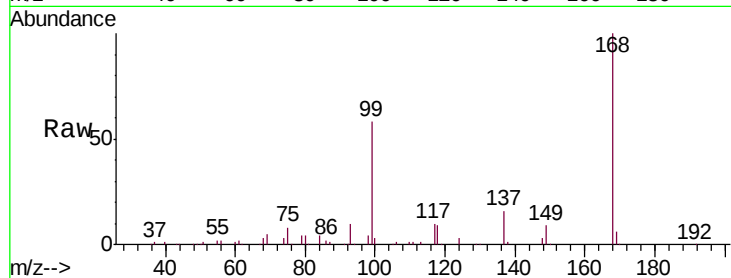
VD0306SBL01

Tgt Ion:168 Resp: 825359

Ion Ratio Lower Upper

168 100

99 57.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VD

7.05

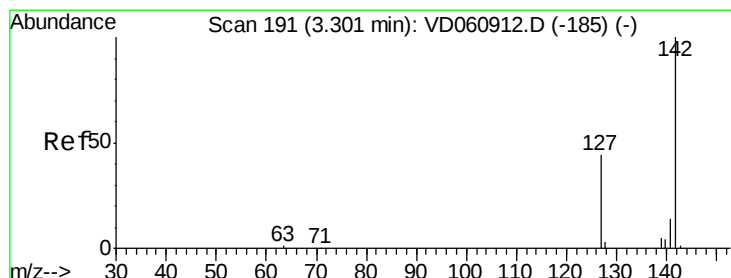
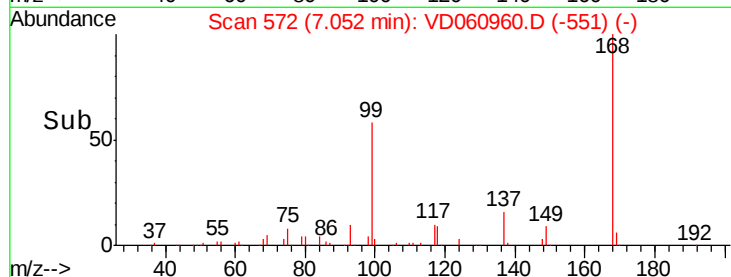
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 5.063 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

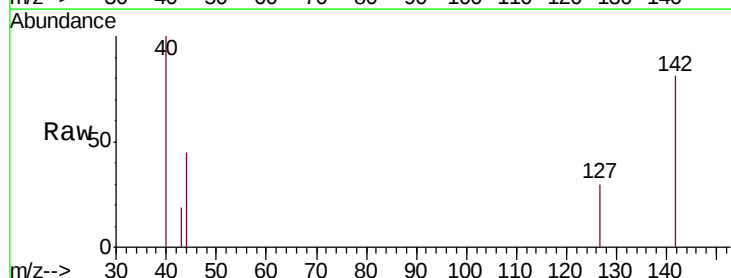
Tgt Ion:142 Resp: 5682

Ion Ratio Lower Upper

142 100

127 37.3 35.0 52.6

141 0.0 11.0 16.4#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.32

2000

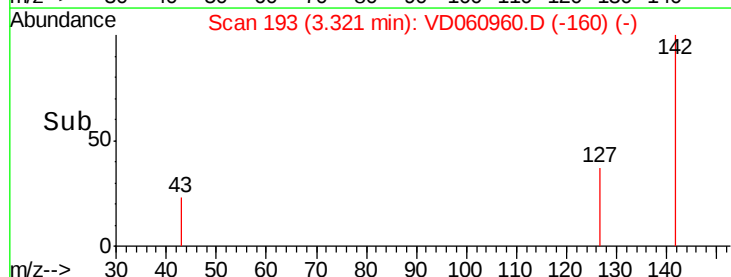
1500

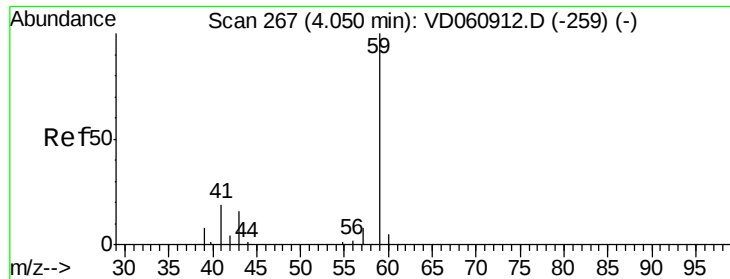
1000

500

0

Time-->

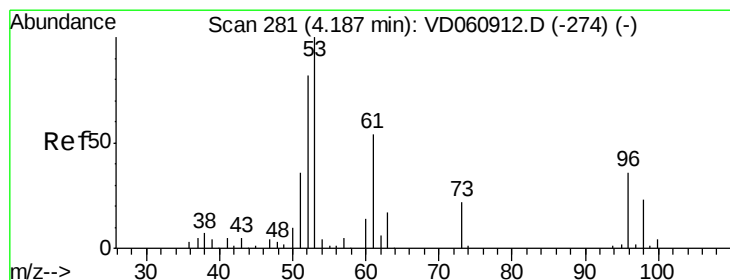
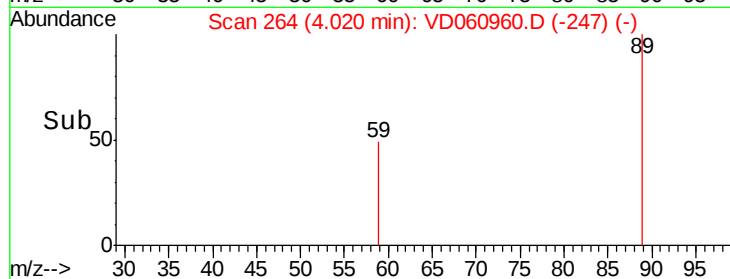
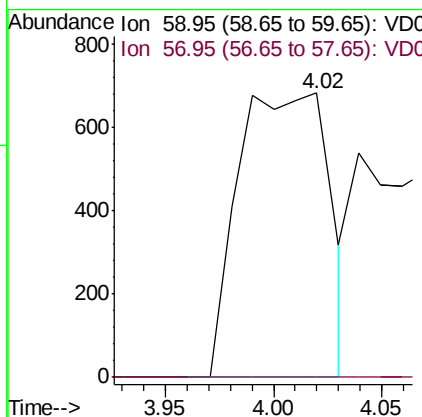
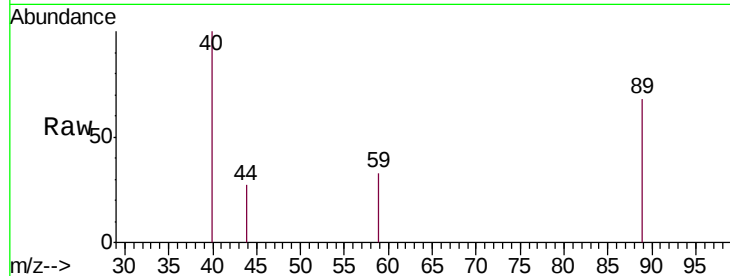




#11
Tert butyl alcohol
Concen: 3.939 ug/l
RT: 4.02 min Scan# 264
Delta R.T. -0.03 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

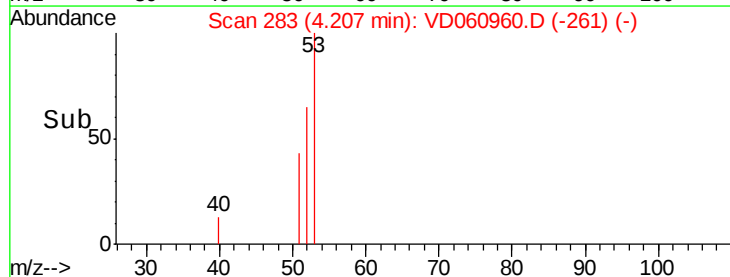
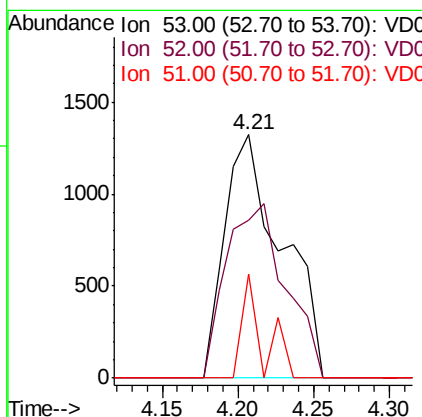
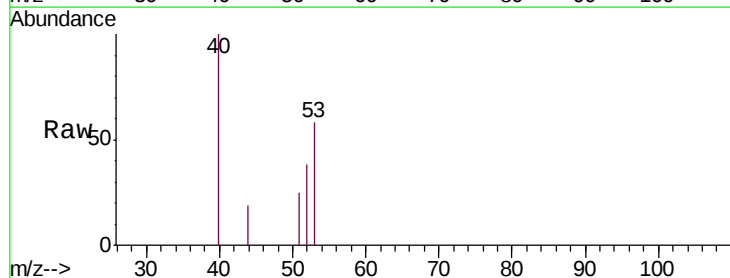
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBL01

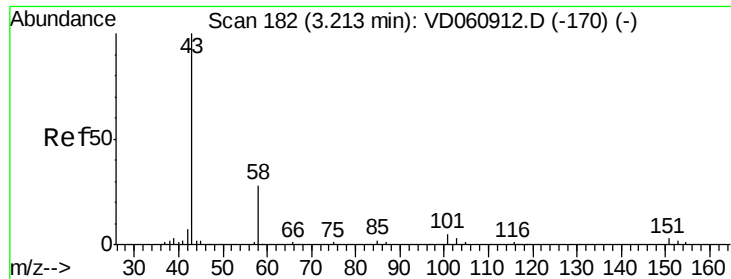
Tgt Ion: 59 Resp: 2003
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#15
Acrylonitrile
Concen: 1.792 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.02 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Tgt Ion: 53 Resp: 3489
Ion Ratio Lower Upper
53 100
52 64.8 65.8 98.6#
51 42.8 28.9 43.3

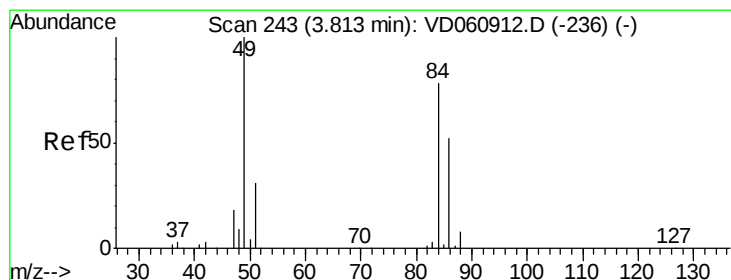
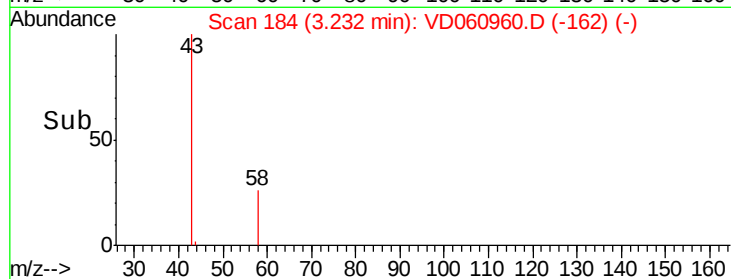
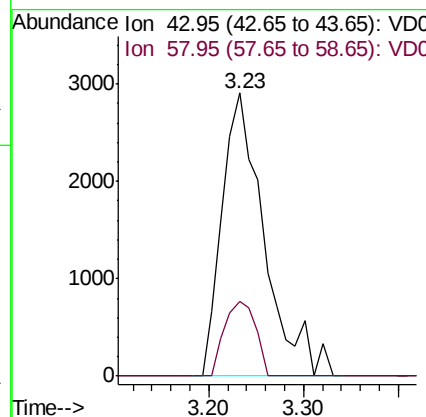
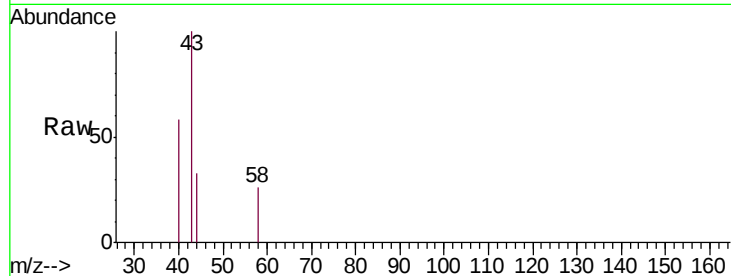




#16
Acetone
Concen: 3.942 ug/l
RT: 3.23 min Scan# 184
Delta R.T. 0.02 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

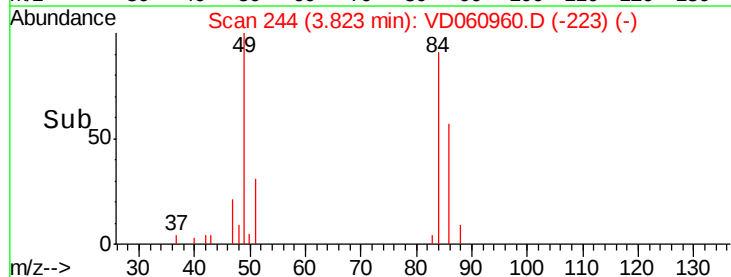
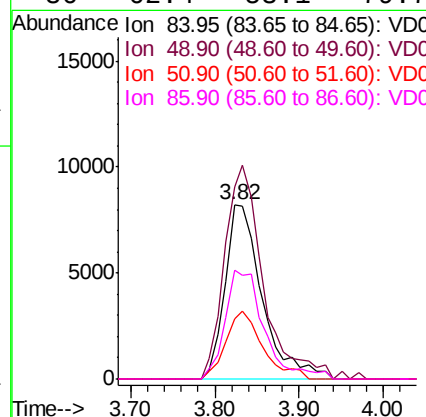
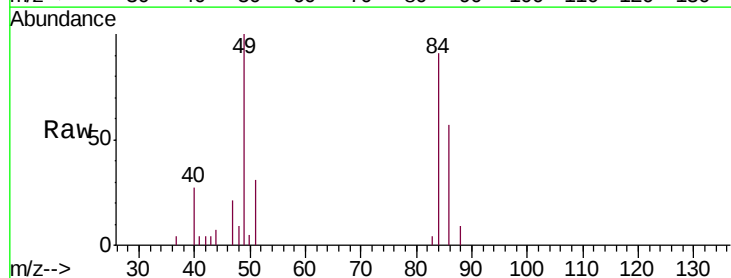
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBL01

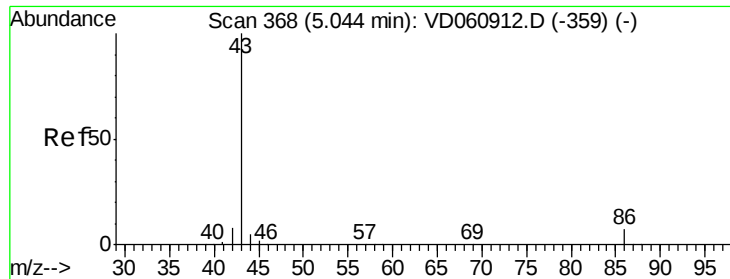
Tgt Ion: 43 Resp: 8981
Ion Ratio Lower Upper
43 100
58 26.2 22.8 34.2



#20
Methylene Chloride
Concen: Below Cal
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Tgt Ion: 84 Resp: 25211
Ion Ratio Lower Upper
84 100
49 110.0 102.4 153.6
51 34.5 31.9 47.9
86 62.4 53.1 79.7

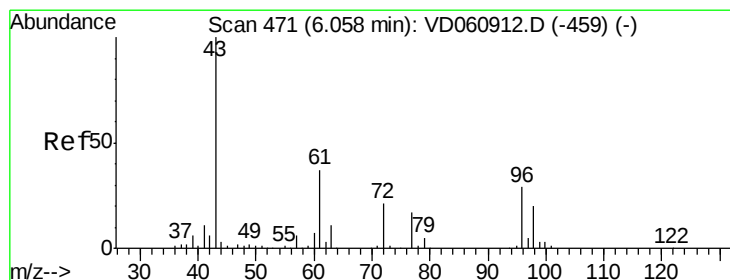
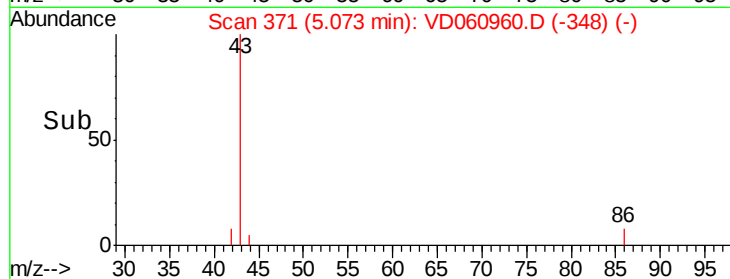
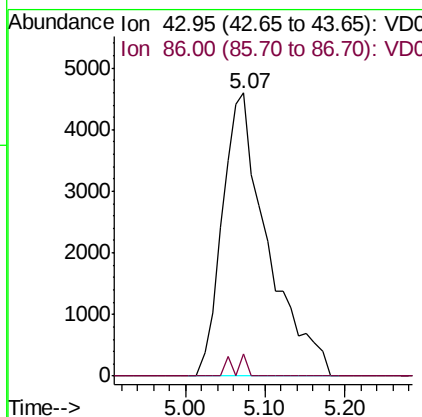
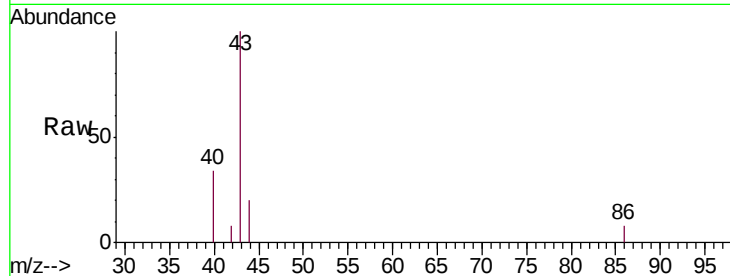




#23
 Vinyl Acetate
 Concen: 1.054 ug/l
 RT: 5.07 min Scan# 371
 Delta R.T. 0.03 min
 Lab File: VD060960.D
 Acq: 6 Mar 2019 12:39

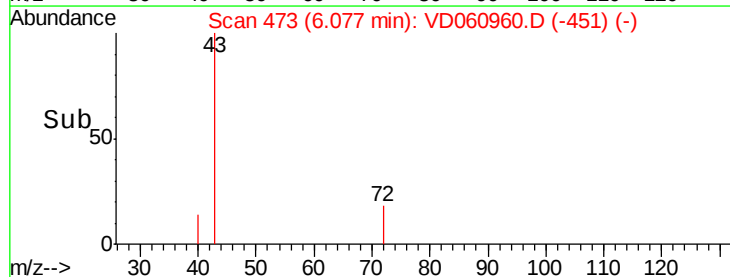
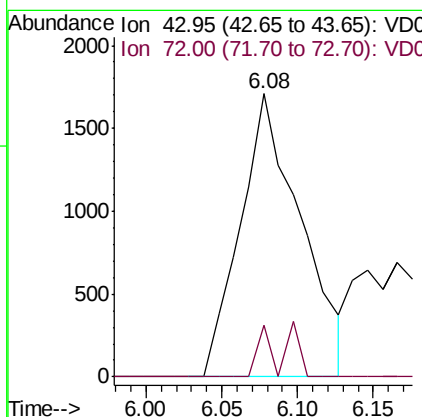
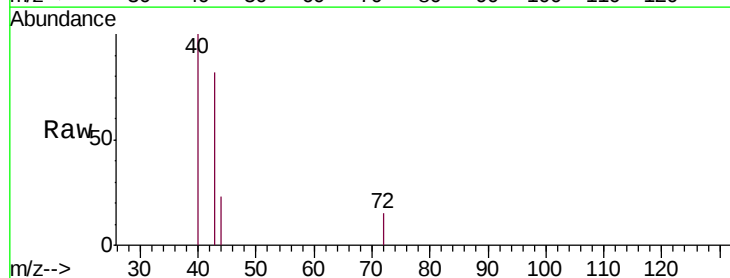
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0306SBL01

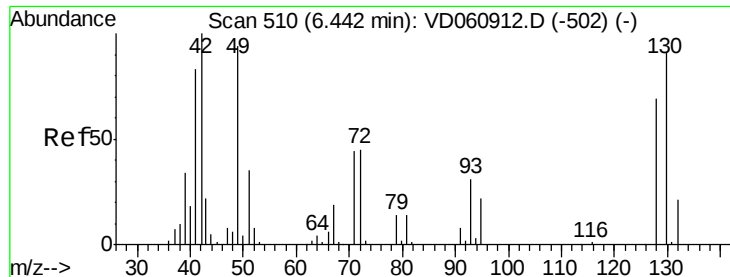
Tgt Ion: 43 Resp: 18149
 Ion Ratio Lower Upper
 43 100
 86 8.0 5.8 8.8



#25
 2-Butanone
 Concen: 1.687 ug/l
 RT: 6.08 min Scan# 473
 Delta R.T. 0.02 min
 Lab File: VD060960.D
 Acq: 6 Mar 2019 12:39

Tgt Ion: 43 Resp: 4768
 Ion Ratio Lower Upper
 43 100
 72 18.1 17.0 25.4





#29

Tetrahydrofuran

Concen: 1.481 ug/l

RT: 6.46 min Scan# 512

Delta R.T. 0.02 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBL01

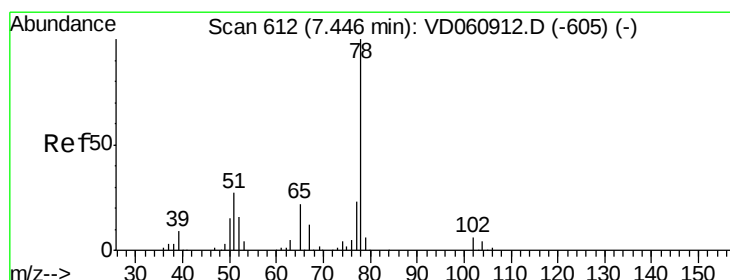
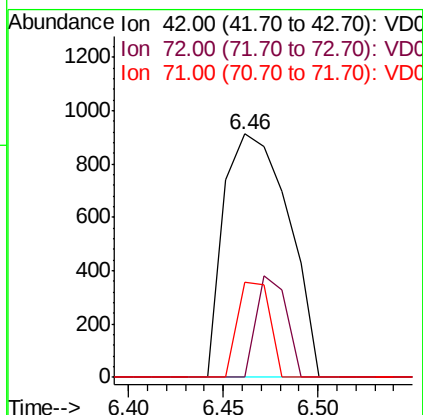
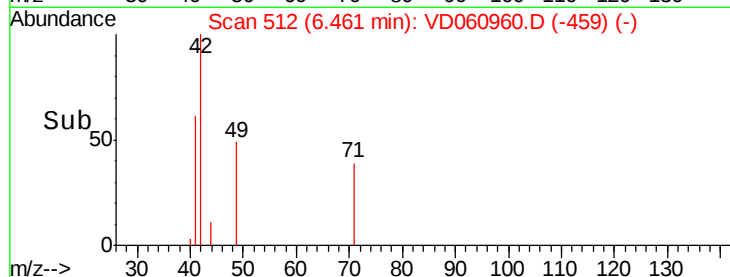
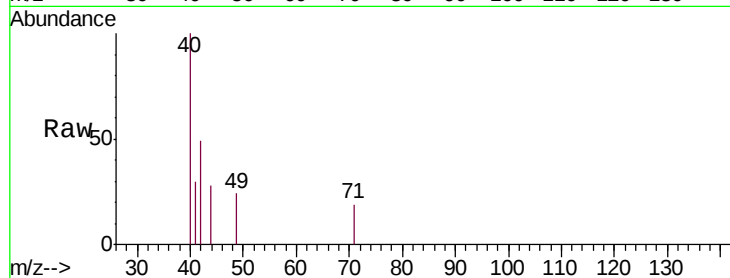
Tgt Ion: 42 Resp: 2155

Ion Ratio Lower Upper

42 100

72 19.5 33.8 50.6#

71 19.4 33.5 50.3#



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060960.D

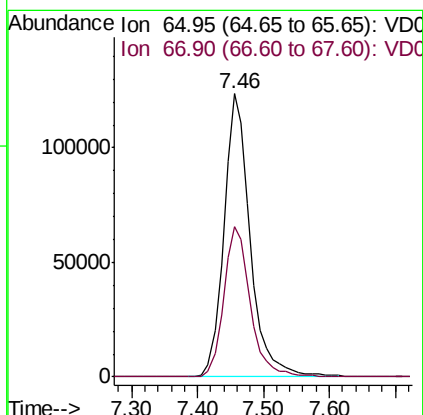
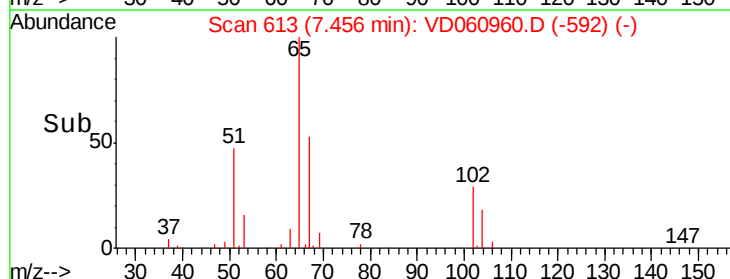
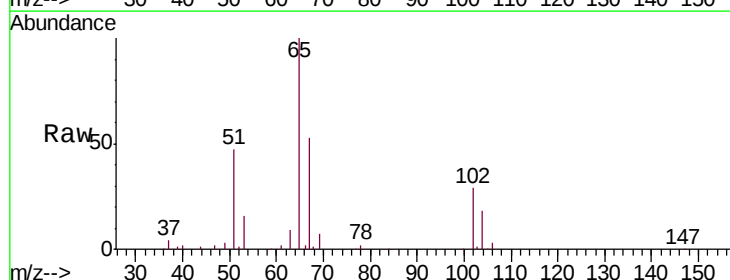
Acq: 6 Mar 2019 12:39

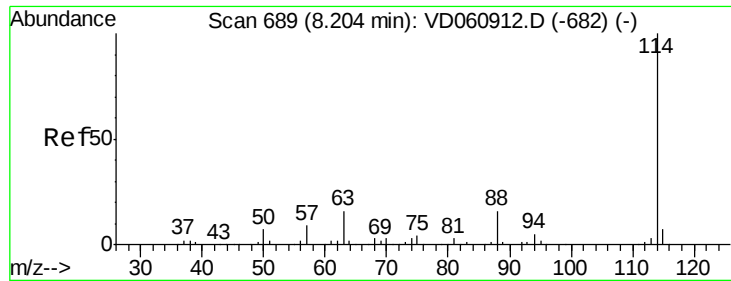
Tgt Ion: 65 Resp: 342701

Ion Ratio Lower Upper

65 100

67 53.2 0.0 109.4

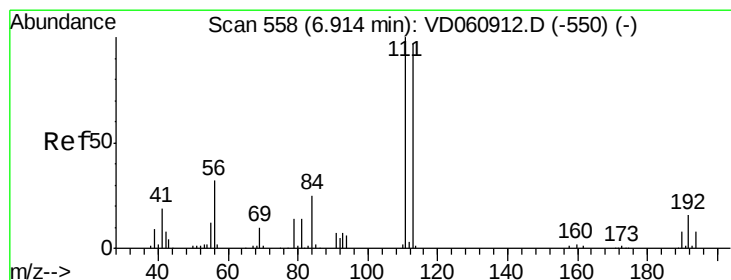
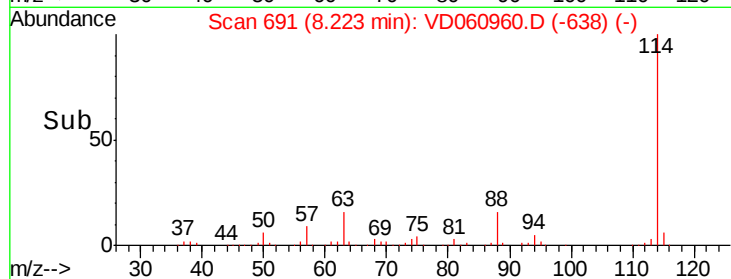
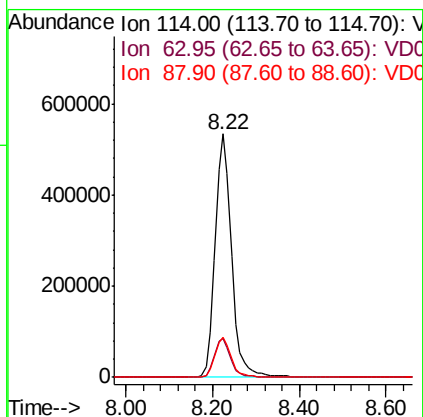
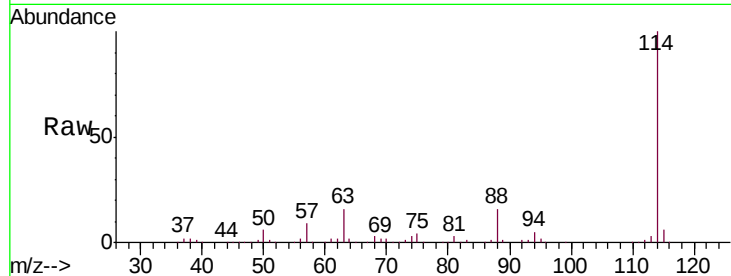




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD060960.D
 Acq: 6 Mar 2019 12:39

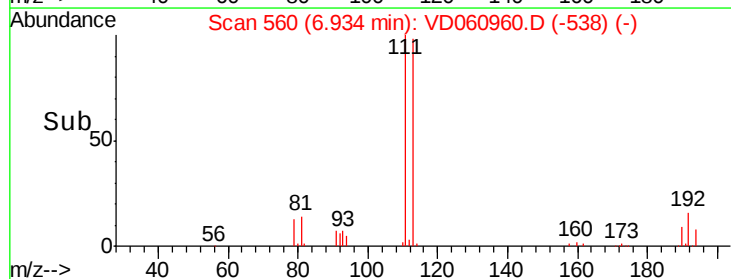
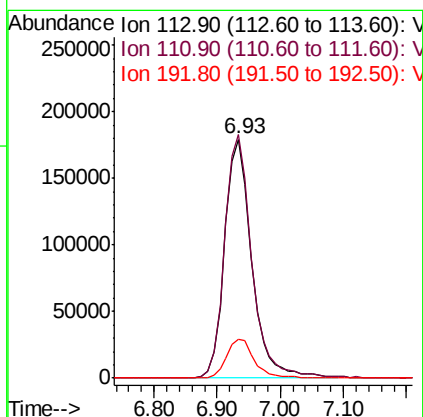
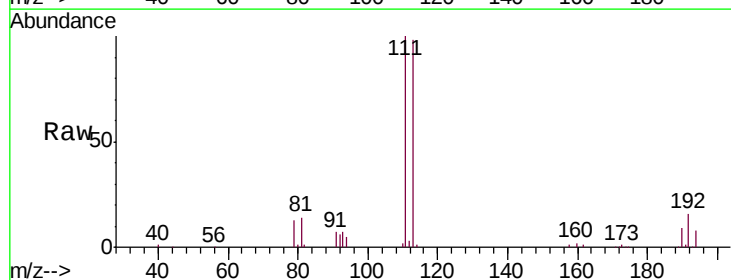
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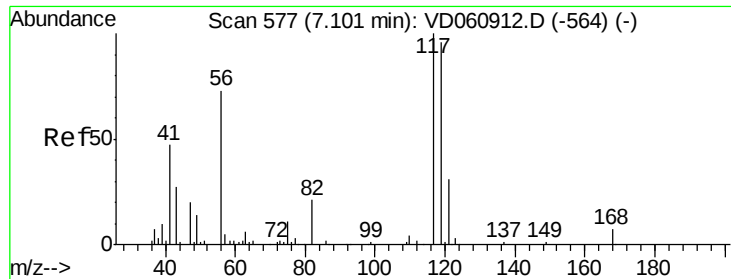
Tgt Ion:114 Resp: 1404567
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 32.0
 88 16.4 0.0 32.8



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD060960.D
 Acq: 6 Mar 2019 12:39

Tgt Ion:113 Resp: 535469
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 124.0
 192 16.2 13.4 20.2

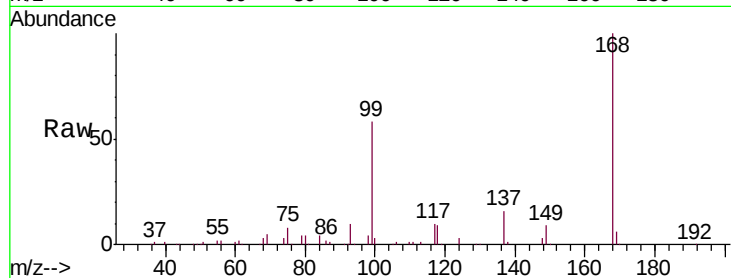




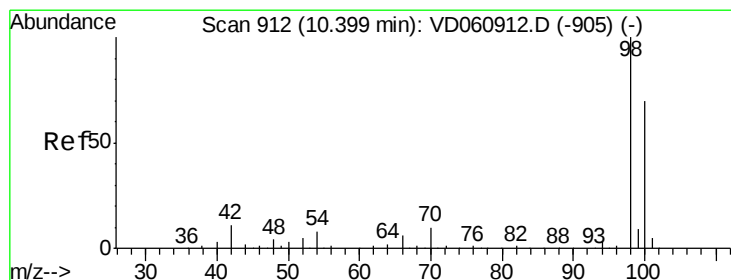
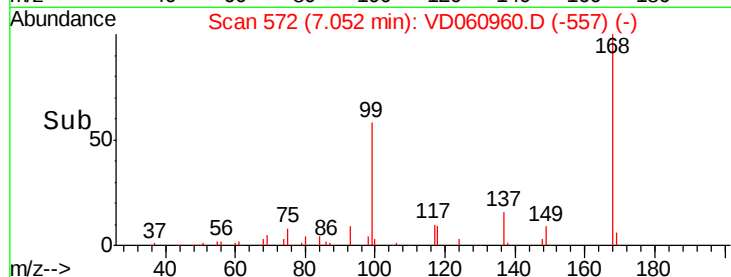
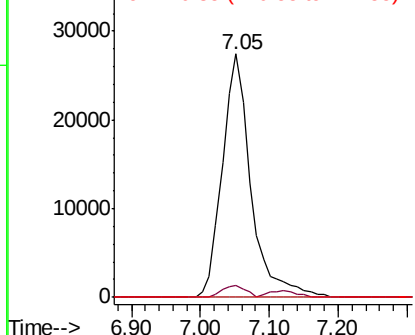
#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.05 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Instrument :
MSVOA_D
ClientSampleId :
VD0306SBL01

Tgt Ion:117 Resp: 79015
Ion Ratio Lower Upper
117 100
119 4.7 76.9 115.3#
121 0.0 24.5 36.7#

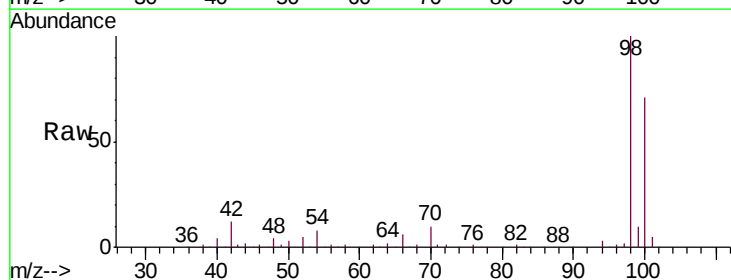


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

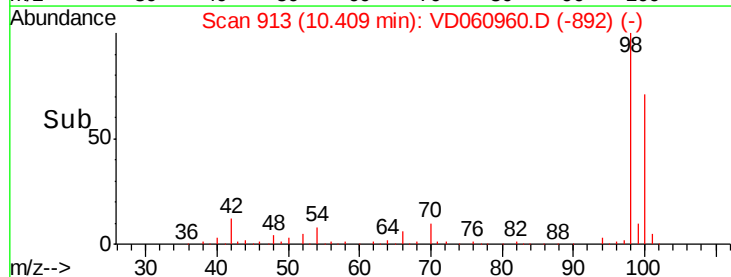
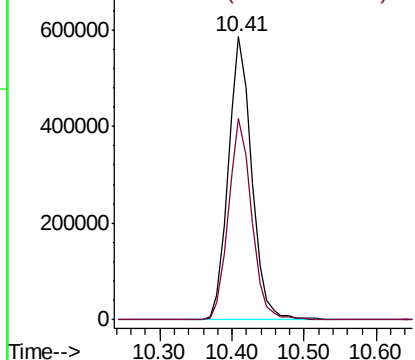


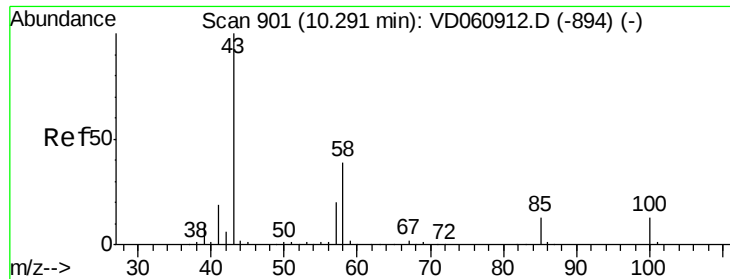
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Tgt Ion: 98 Resp: 1324159
Ion Ratio Lower Upper
98 100
100 71.2 57.0 85.4



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

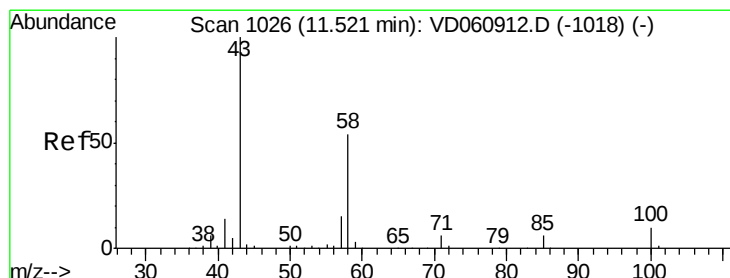
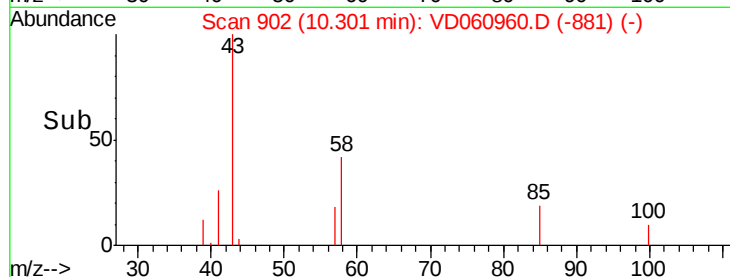
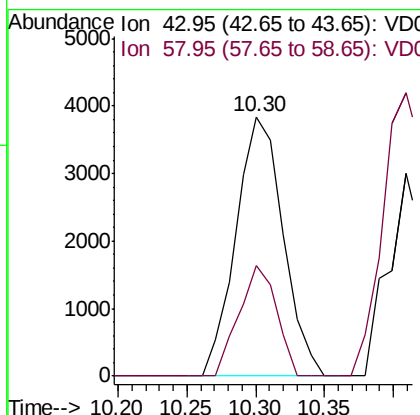
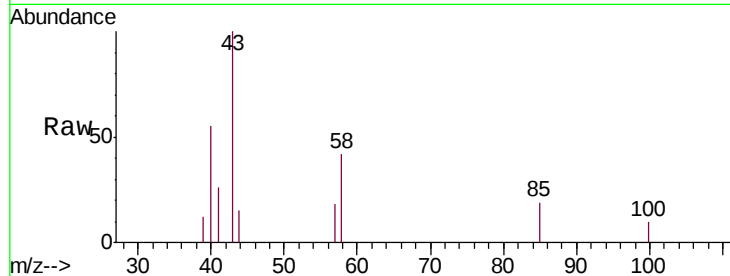




#51
4-Methyl-2-Pentanone
Concen: 1.622 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

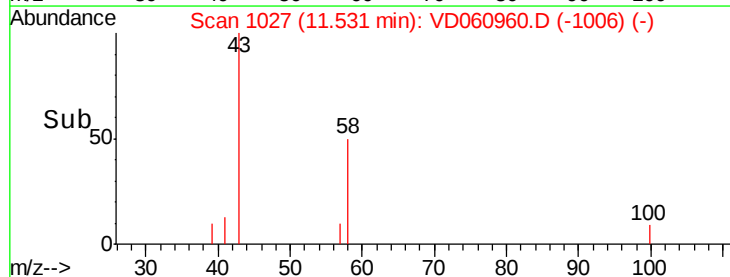
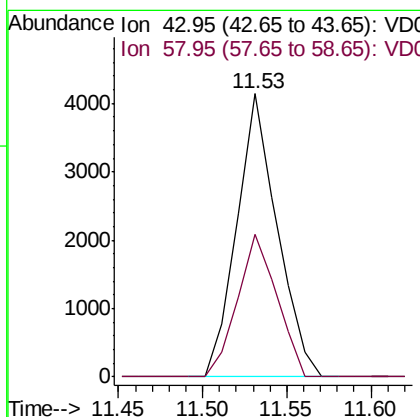
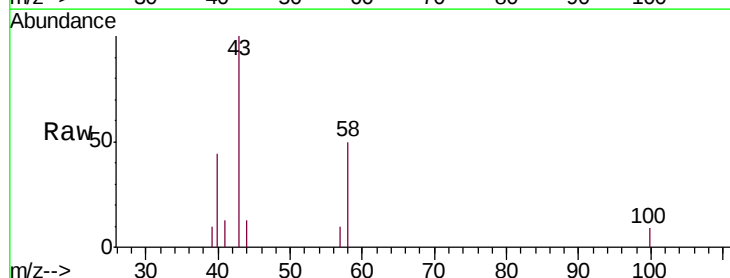
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBL01

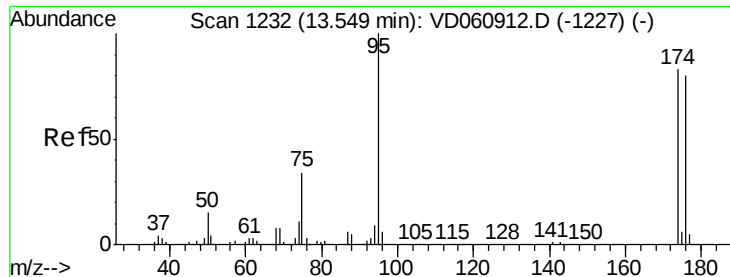
Tgt Ion: 43 Resp: 9142
Ion Ratio Lower Upper
43 100
58 42.4 31.0 46.6



#59
2-Hexanone
Concen: 1.741 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Tgt Ion: 43 Resp: 6878
Ion Ratio Lower Upper
43 100
58 50.2 27.2 81.5

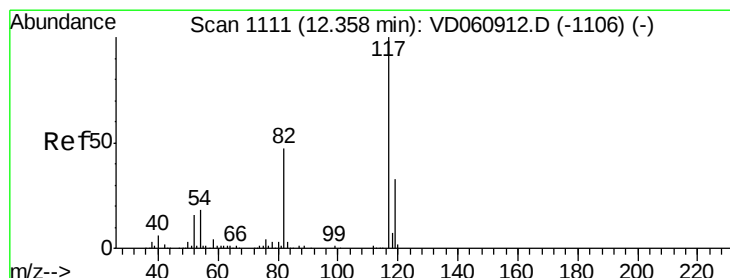
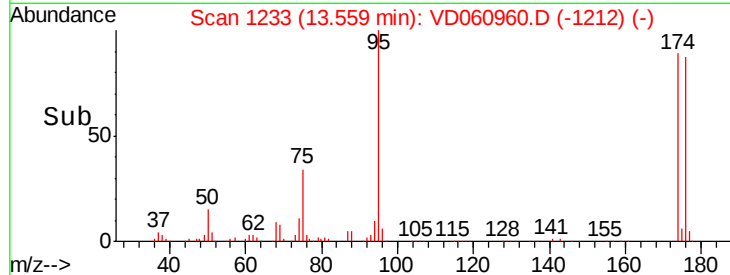
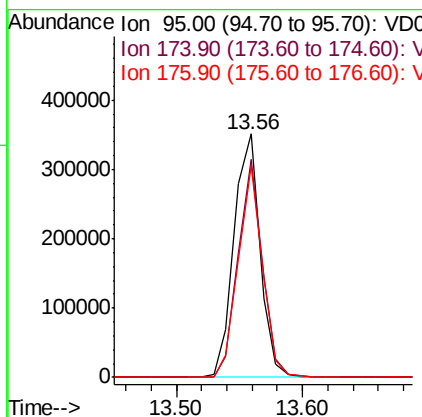
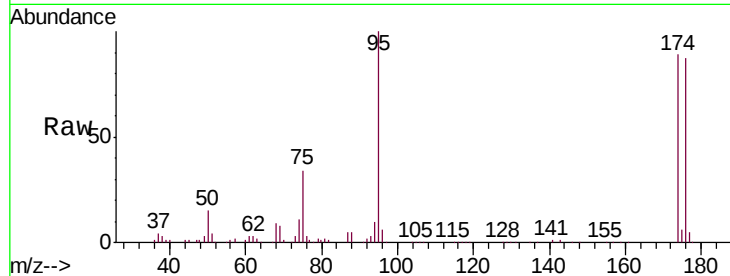




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

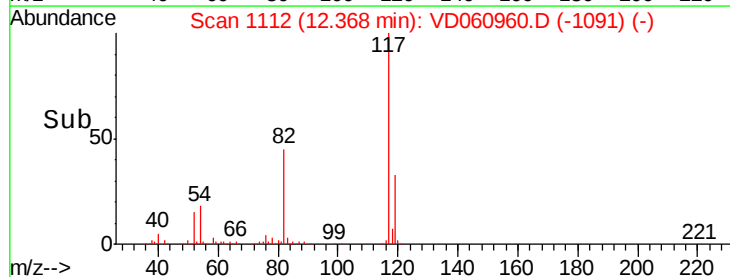
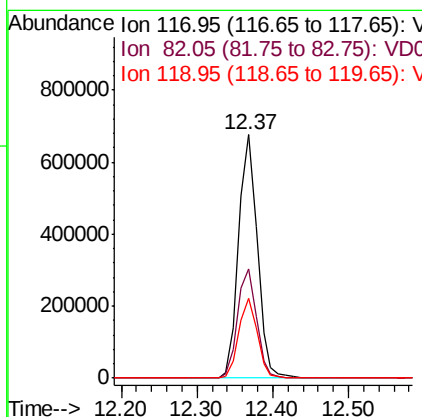
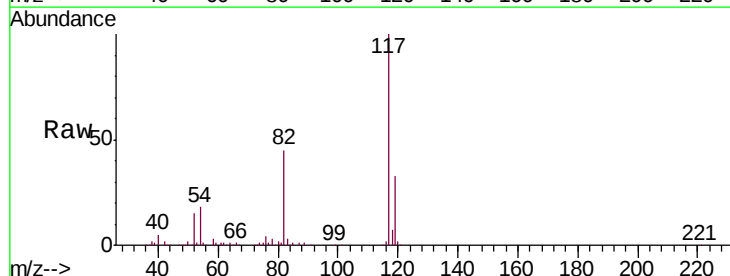
Instrument :
MSVOA_D
ClientSampleId :
VD0306SBL01

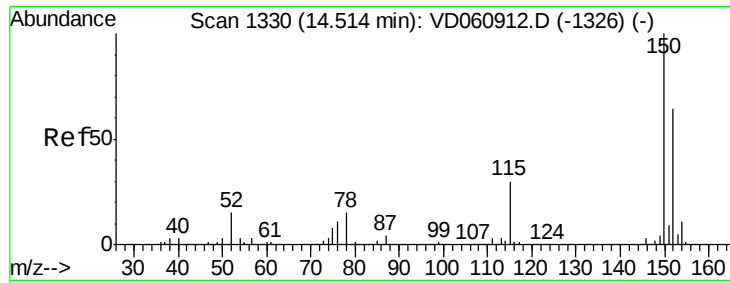
Tgt Ion: 95 Resp: 499197
Ion Ratio Lower Upper
95 100
174 89.4 0.0 165.6
176 87.2 0.0 160.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060960.D
Acq: 6 Mar 2019 12:39

Tgt Ion: 117 Resp: 1147877
Ion Ratio Lower Upper
117 100
82 45.0 37.5 56.3
119 32.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

Instrument :

MSVOA_D

ClientSampleId :

VD0306SBL01

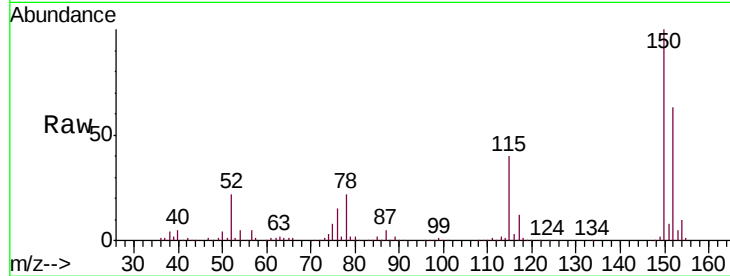
Tgt Ion:152 Resp: 535546

Ion Ratio Lower Upper

152 100

115 63.8 27.6 82.8

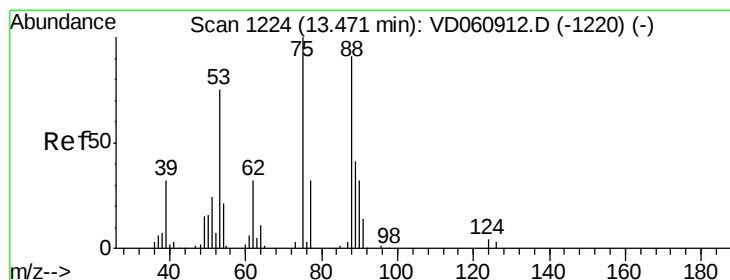
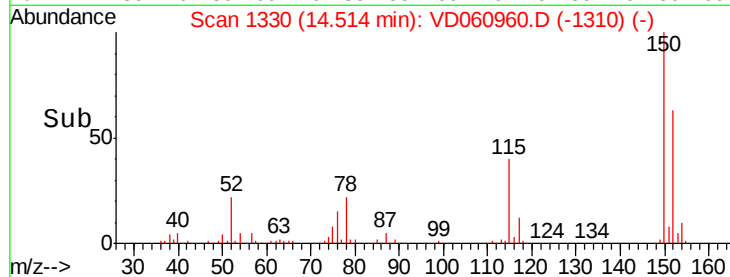
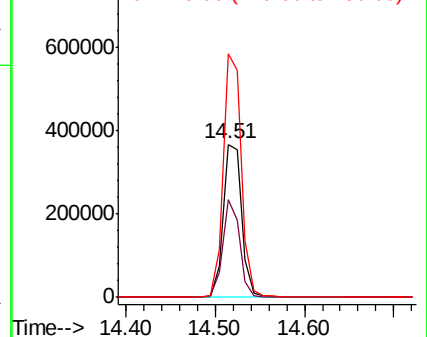
150 158.8 0.0 312.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 68.940 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060960.D

Acq: 6 Mar 2019 12:39

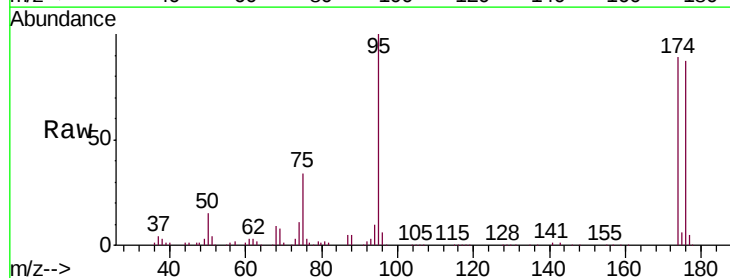
Tgt Ion: 75 Resp: 177044

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#



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

