

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060928.D
 Acq On : 4 Mar 2019 17:22
 Operator : VA/AP
 Sample : K1714-01
 Misc : 6.18g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-0-2

Quant Time: Mar 05 01:33:28 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	7.07	168	637285	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	1110515	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	928729	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	425314	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	222349	42.21	ug/l	0.03
Spiked Amount			Recovery	=	84.42%	
35) Dibromofluoromethane	6.94	113	382439	42.96	ug/l	0.03
Spiked Amount			Recovery	=	85.92%	
50) Toluene-d8	10.43	98	883403	39.88	ug/l	0.03
Spiked Amount			Recovery	=	79.76%	
62) 4-Bromofluorobenzene	13.56	95	341744	40.82	ug/l	0.00
Spiked Amount			Recovery	=	81.64%	

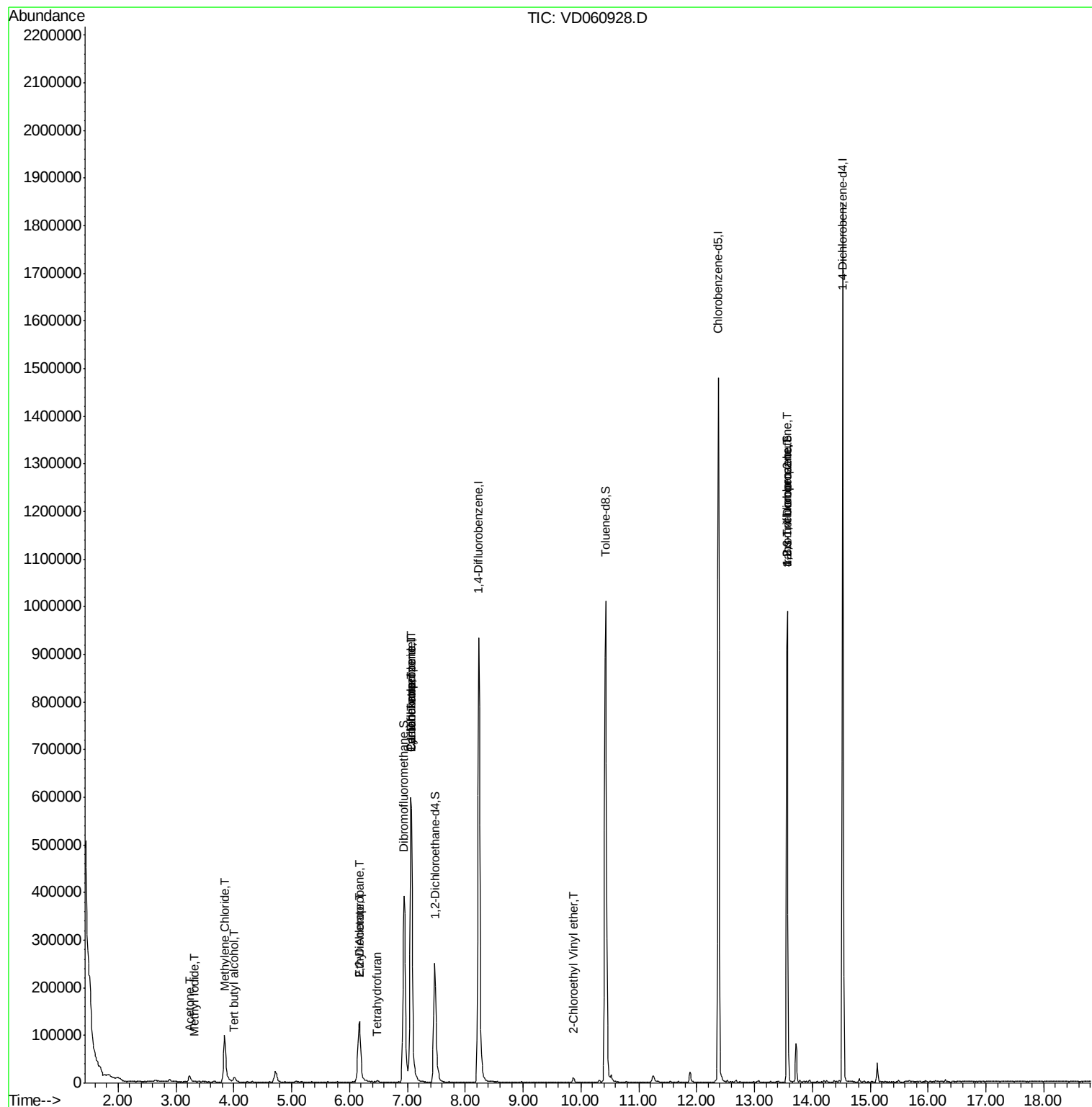
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.33	142	1068	4.821	ug/l #	40
11) Tert butyl alcohol	4.01	59	11048	28.136	ug/l #	77
16) Acetone	3.23	43	25862	14.702	ug/l	91
20) Methylene Chloride	3.84	84	75936	5.892	ug/l	97
26) 2,2-Dichloropropane	6.18	77	10596	1.056	ug/l #	48
29) Tetrahydrofuran	6.48	42	2785	2.480	ug/l #	71
31) Cyclohexane	7.06	56	11719	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.06	75	47309	4.633	ug/l #	46
37) Ethyl Acetate	6.17	43	8390	1.598	ug/l #	6
38) Carbon Tetrachloride	7.06	117	62163	5.667	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.88	63	5188	1.659	ug/l	91
76) 1,2,3-Trichloropropane	13.56	75	103333	14.995	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	117657	57.690	ug/l #	20
89) n-Butylbenzene	14.81	91	2223	Below Cal		84

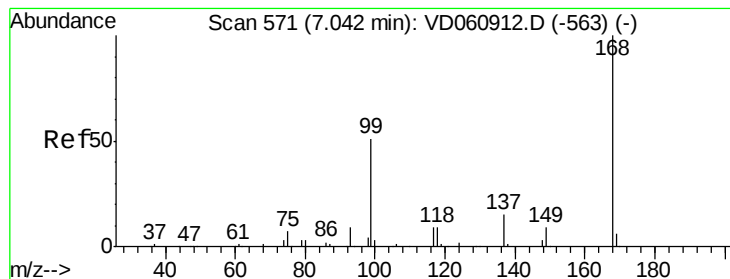
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

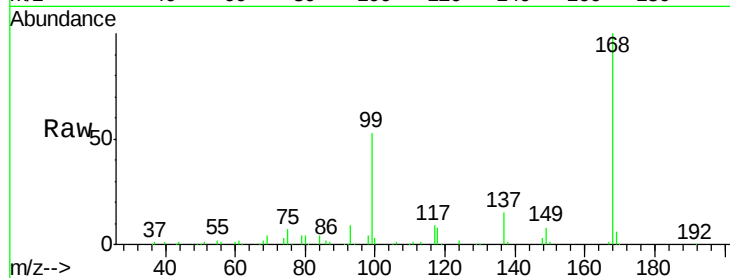
SB-A-0-2

Tot Ion:168 Resp: 637285

Ion Ratio Lower Upper

168 100

99 52.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

250000

200000

150000

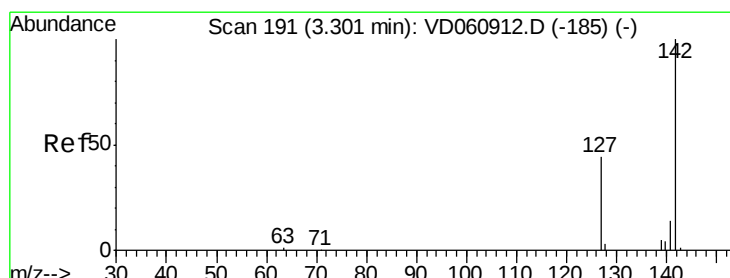
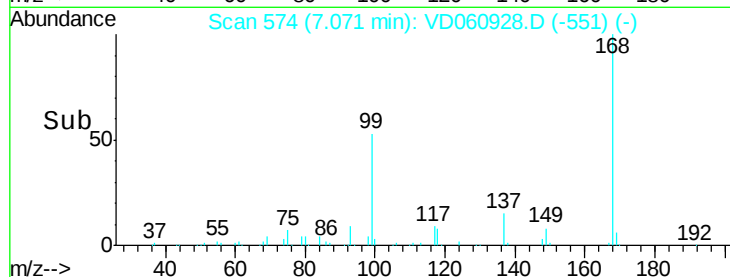
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.821 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

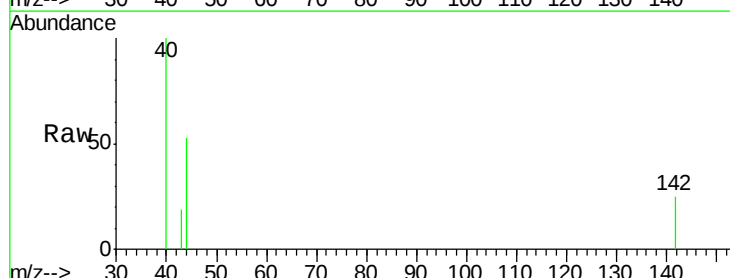
Tgt Ion:142 Resp: 1068

Ion Ratio Lower Upper

142 100

127 0.0 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

3.33

600

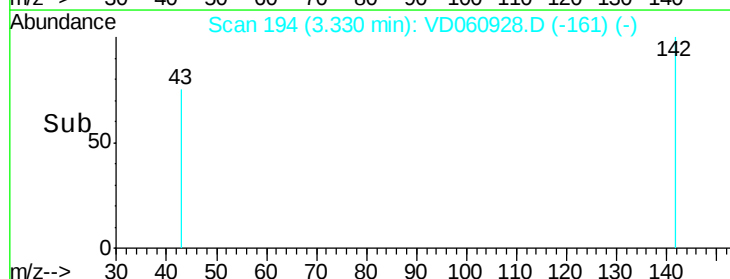
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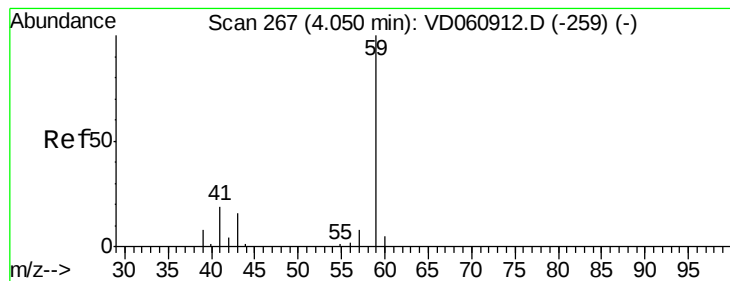
200

0

Time-->

3.30 3.35



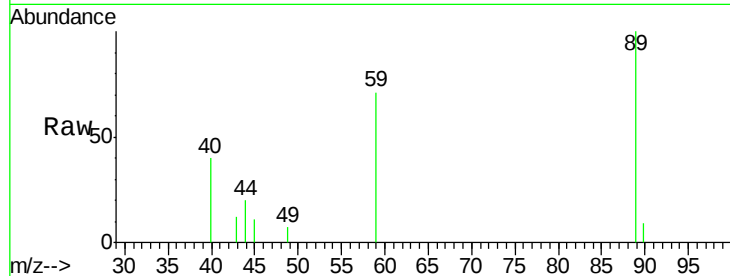


#11

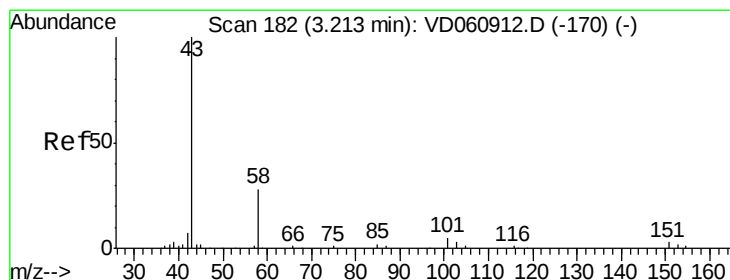
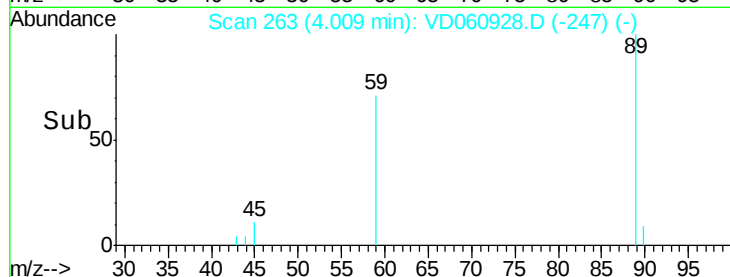
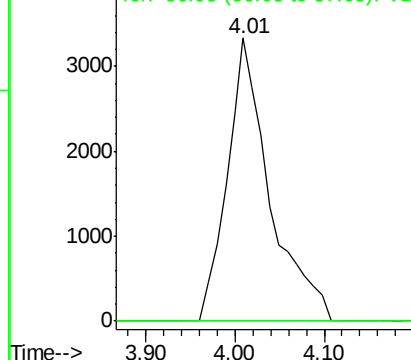
Tert butyl alcohol
 Concen: 28.136 ug/l
 RT: 4.01 min Scan# 263
 Delta R.T. -0.04 min
 Lab File: VD060928.D
 Acq: 4 Mar 2019 17:22

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-0-2

Tot Ion: 59 Resp: 11048
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



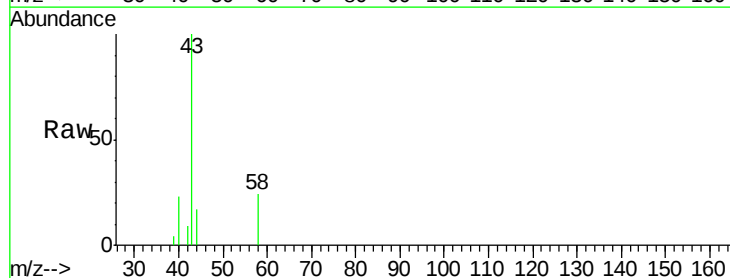
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



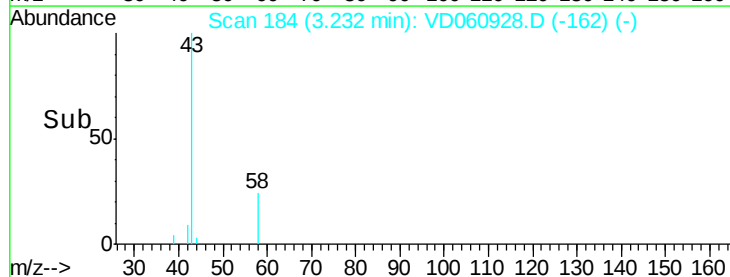
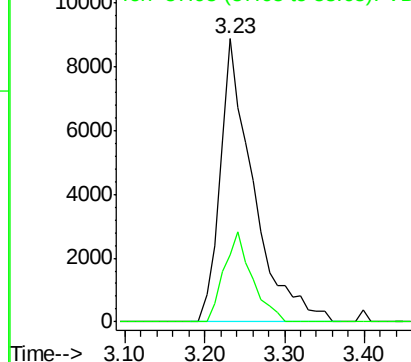
#16

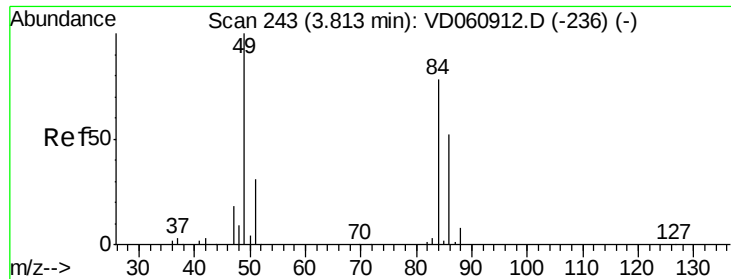
Acetone
 Concen: 14.702 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD060928.D
 Acq: 4 Mar 2019 17:22

Tgt Ion: 43 Resp: 25862
 Ion Ratio Lower Upper
 43 100
 58 23.6 22.8 34.2



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

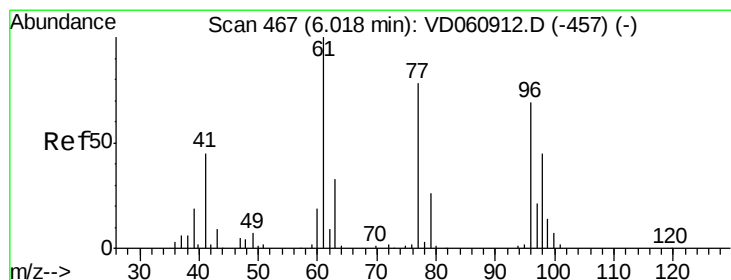
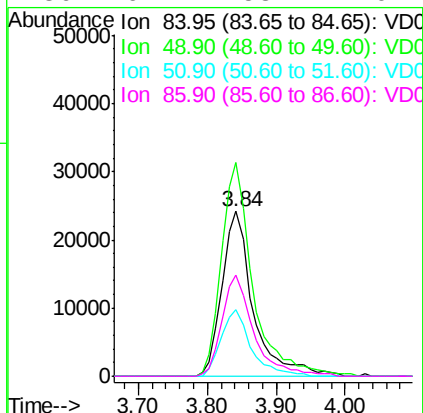
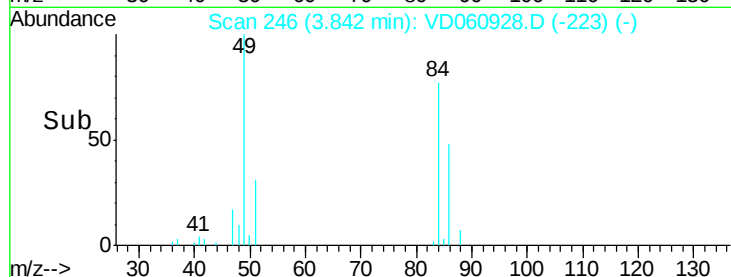
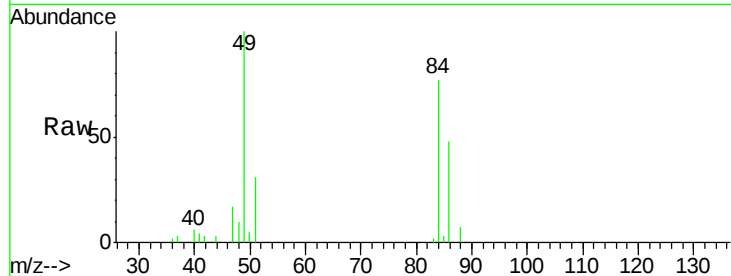




#20
Methvlene Chloride
Concen: 5.892 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

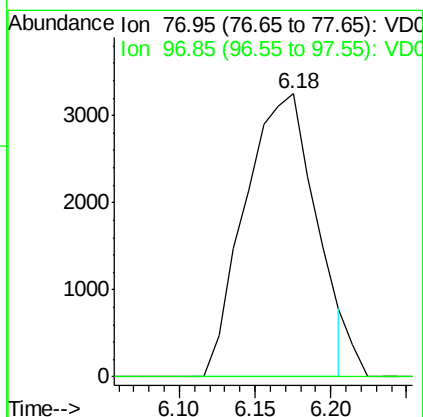
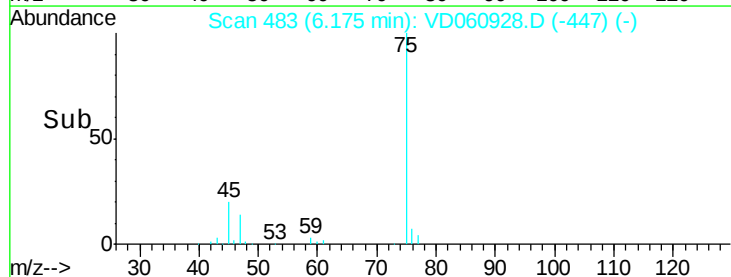
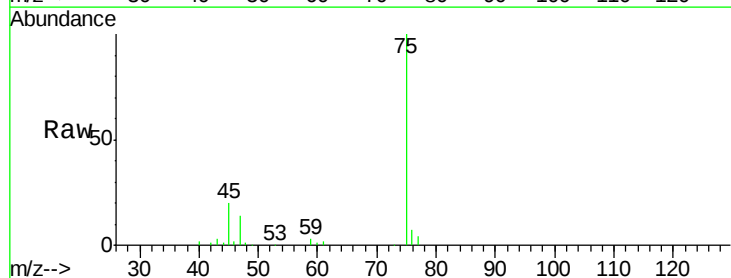
Instrument :
MSVOA_D
ClientSampleId :
SB-A-0-2

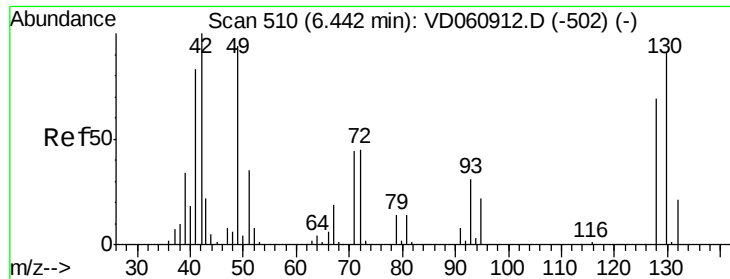
Tot Ion:	84	Resp:	75936
Ion	Ratio	Lower	Upper
84	100		
49	129.7	102.4	153.6
51	40.6	31.9	47.9
86	61.7	53.1	79.7



#26
2,2-Dichloropropane
Concen: 1.056 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.16 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

Tgt Ion:	77	Resp:	10596
Ion	Ratio	Lower	Upper
77	100		
97	0.0	13.5	40.4#





#29

Tetrahydrofuran

Concen: 2.480 ug/l

RT: 6.48 min Scan# 514

Delta R.T. 0.04 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

SB-A-0-2

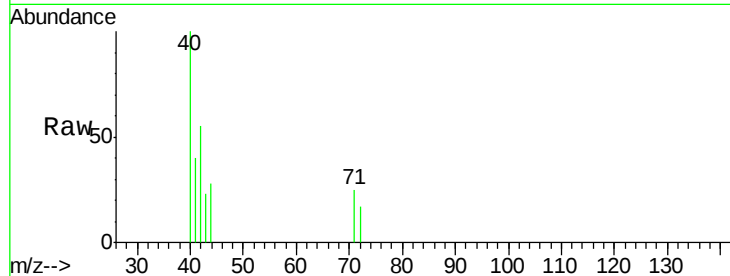
Tot Ion: 42 Resp: 2785

Ion Ratio Lower Upper

42 100

72 22.7 33.8 50.6#

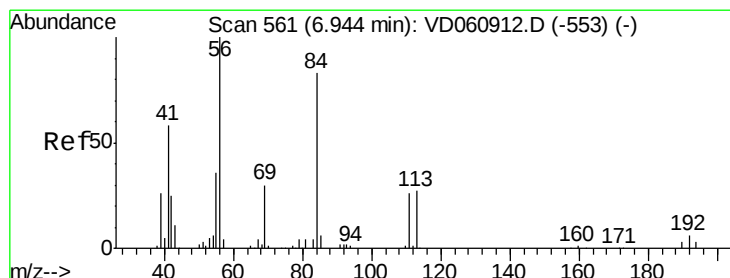
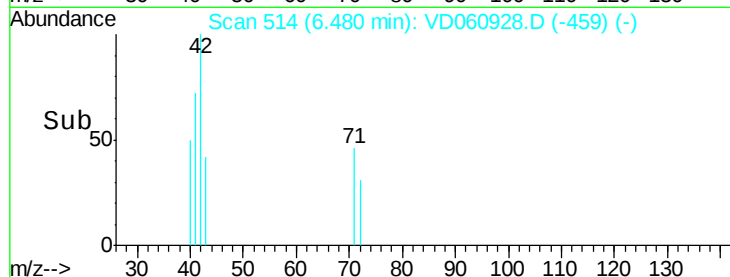
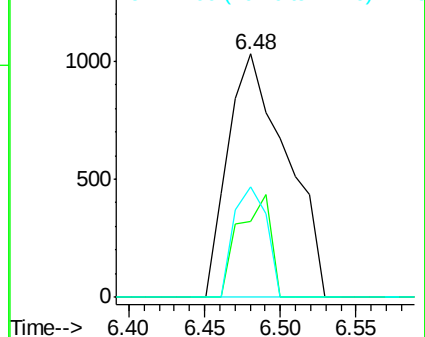
71 25.3 33.5 50.3#



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



#31

Cyclohexane

Concen: 1.008 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.12 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

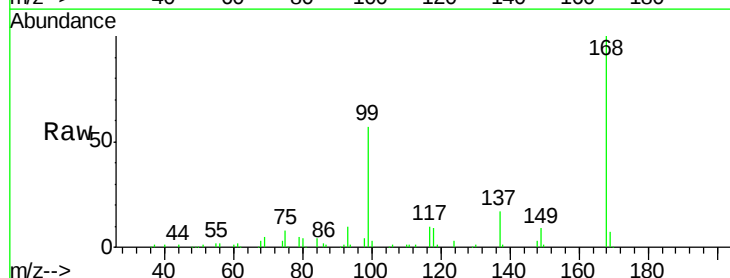
Tgt Ion: 56 Resp: 11719

Ion Ratio Lower Upper

56 100

69 245.5 23.6 35.4#

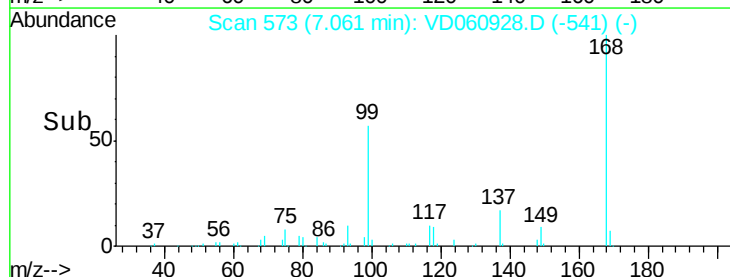
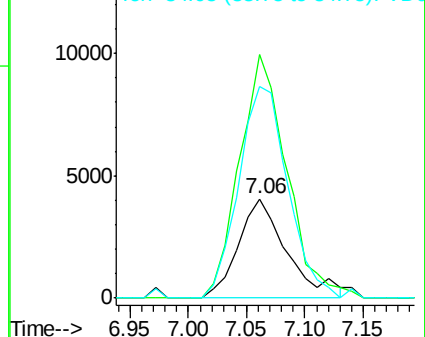
84 213.5 66.5 99.7#

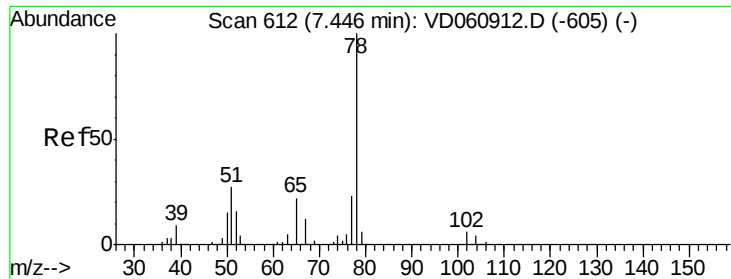


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

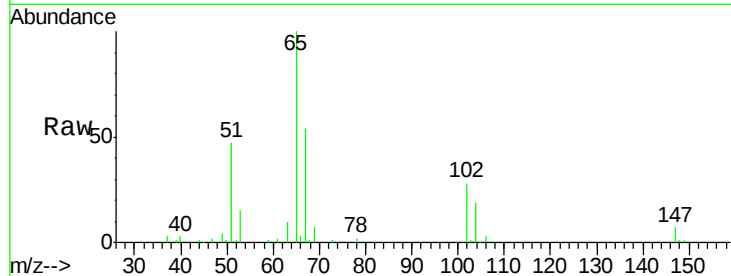
SB-A-0-2

Tot Ion: 65 Resp: 222349

Ion Ratio Lower Upper

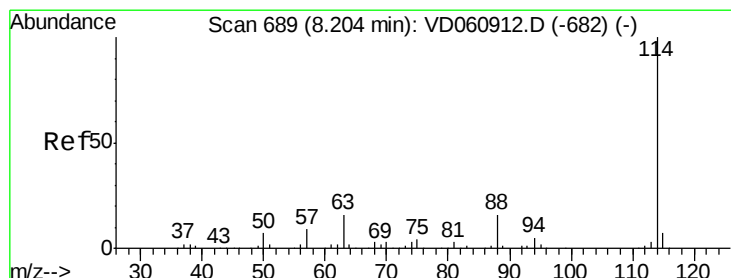
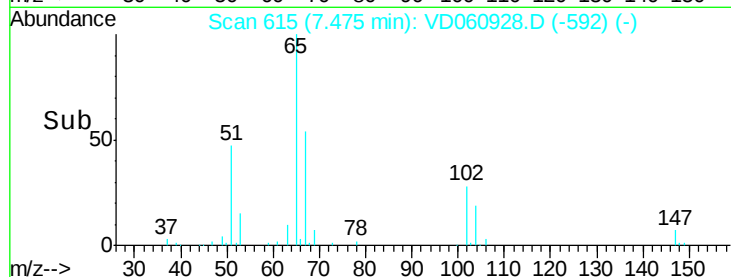
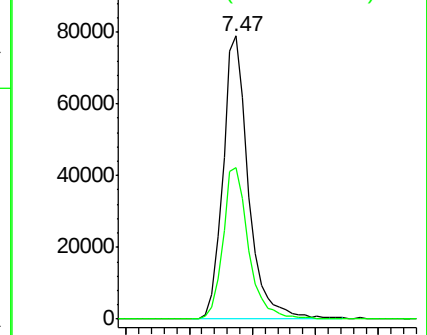
65 100

67 53.7 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

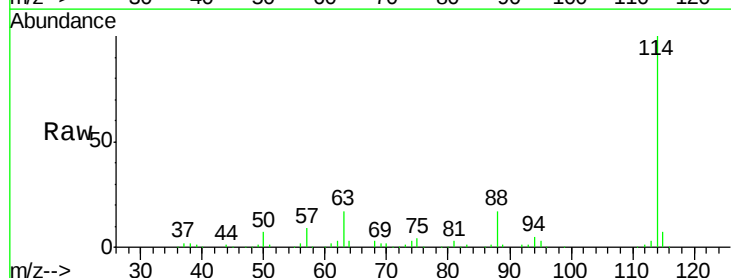
Tgt Ion: 114 Resp: 1110515

Ion Ratio Lower Upper

114 100

63 16.7 0.0 32.0

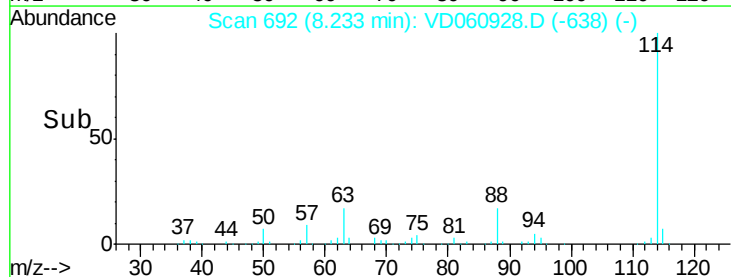
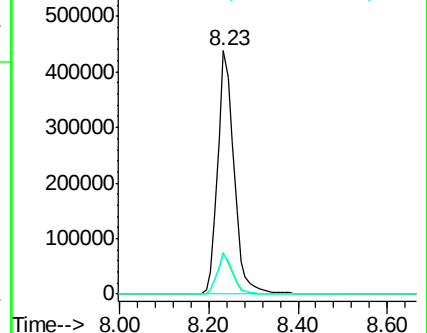
88 16.6 0.0 32.8

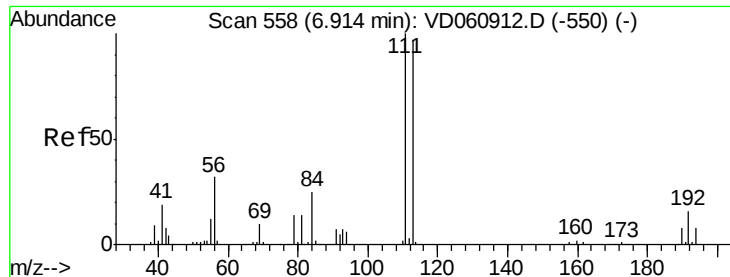


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

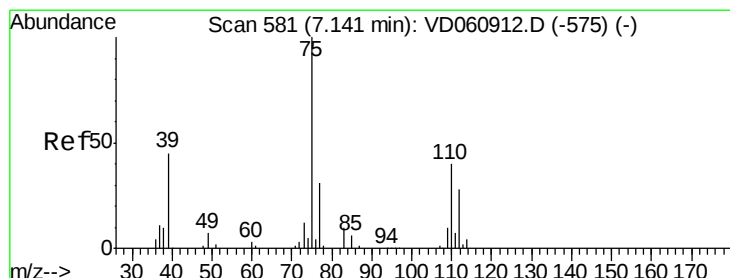
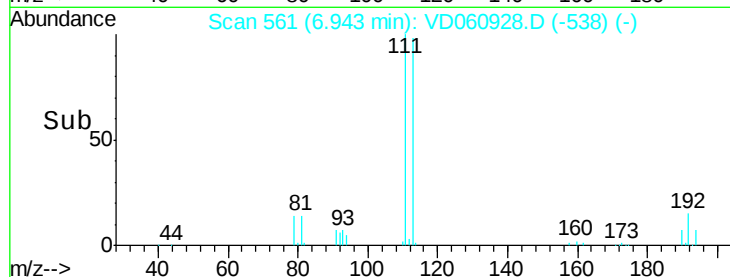
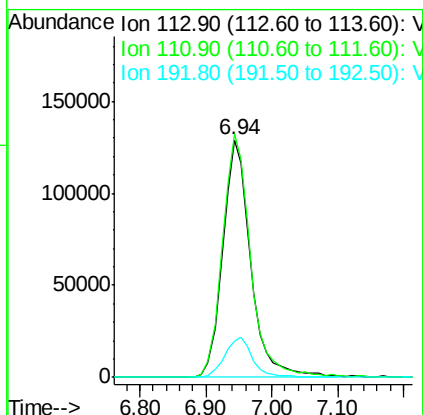
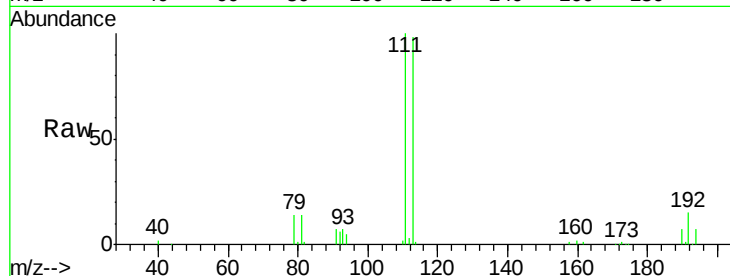




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.94 min Scan# 561
Delta R.T. 0.03 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

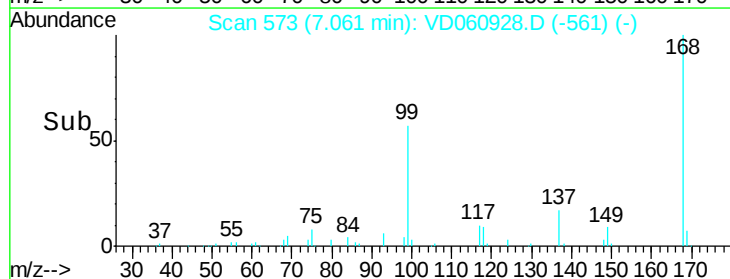
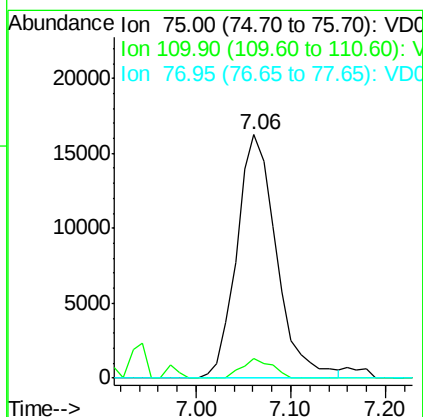
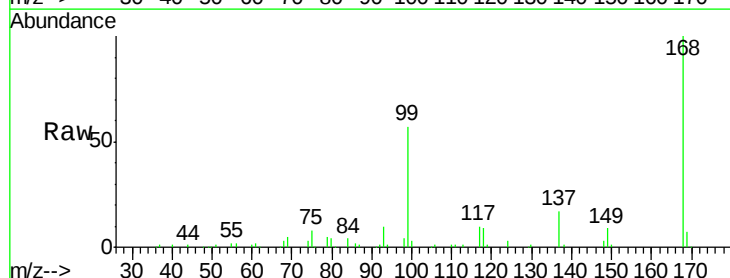
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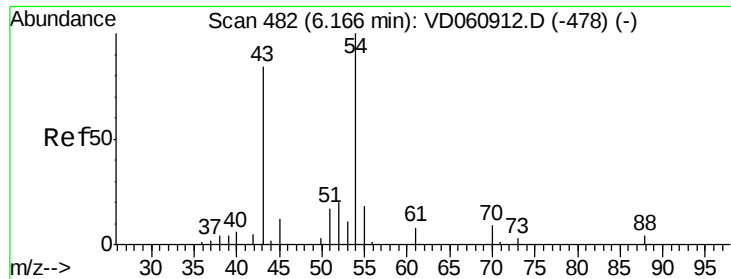
Tot Ion:113 Resp: 382439
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 15.1 13.4 20.2



#36
1,1-Dichloropropene
Concen: 4.633 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.08 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

Tgt Ion: 75 Resp: 47309
Ion Ratio Lower Upper
75 100
110 8.2 19.9 59.7#
77 0.0 25.0 37.6#

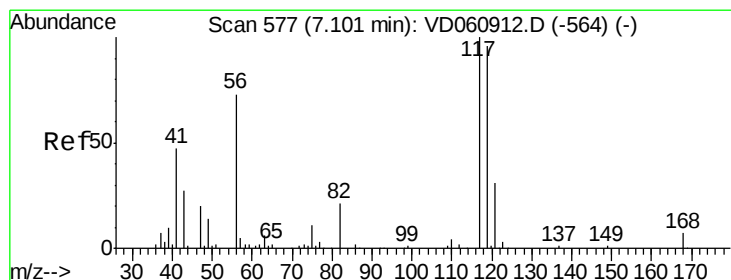
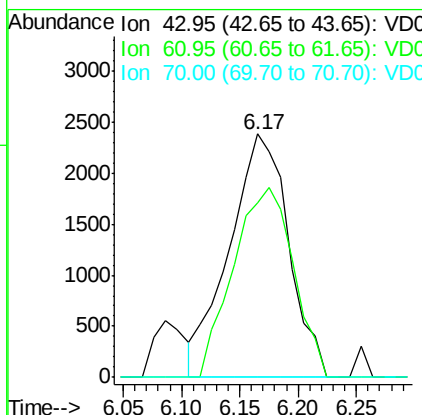
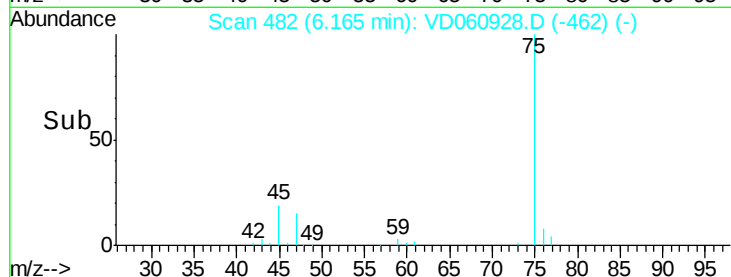
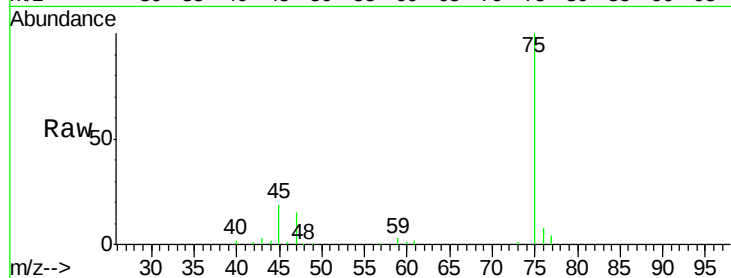




#37
Ethyl Acetate
Concen: 1.598 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

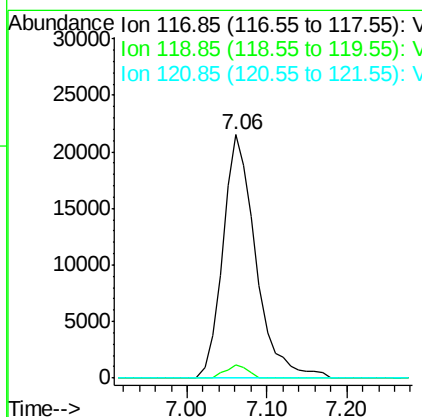
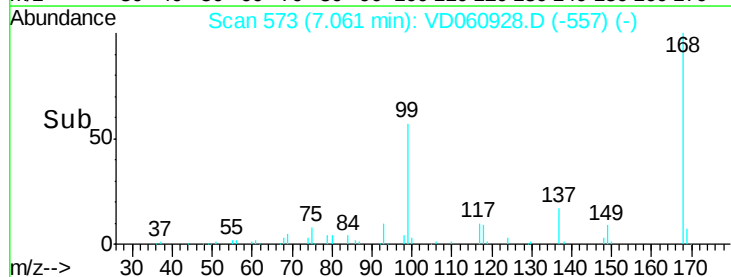
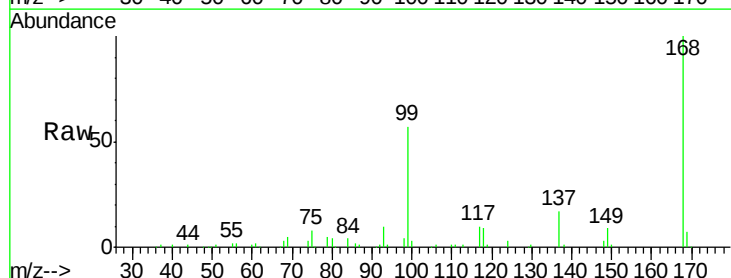
Instrument :
MSVOA_D
ClientSampleID :
SB-A-0-2

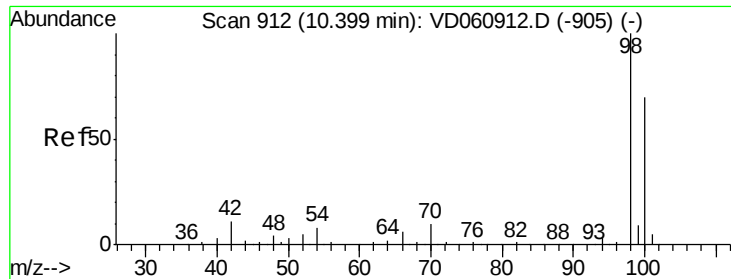
Tot Ion: 43 Resp: 8390
Ion Ratio Lower Upper
43 100
61 71.8 12.1 18.1#
70 0.0 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

Tgt Ion: 117 Resp: 62163
Ion Ratio Lower Upper
117 100
119 5.7 76.9 115.3#
121 0.0 24.5 36.7#

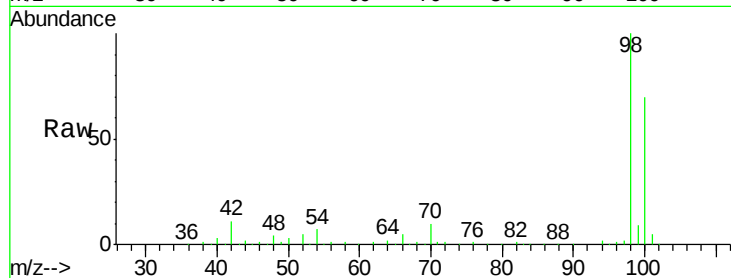




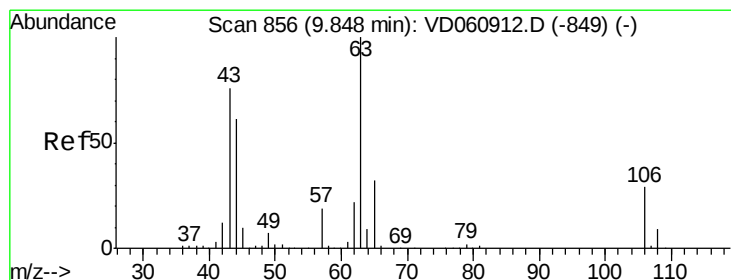
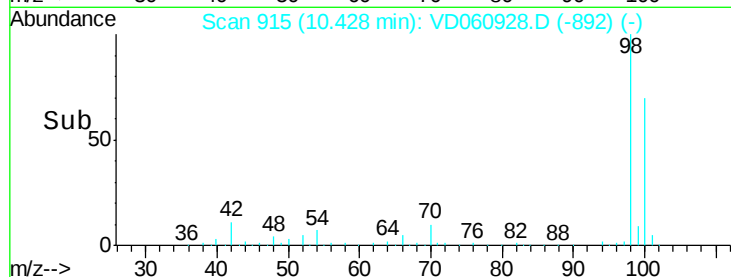
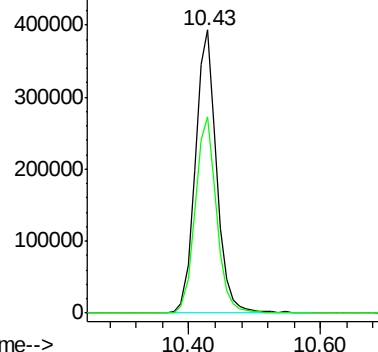
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

Instrument :
MSVOA_D
ClientSampleId :
SB-A-0-2

Tot Ion: 98 Resp: 883403
Ion Ratio Lower Upper
98 100
100 69.5 57.0 85.4

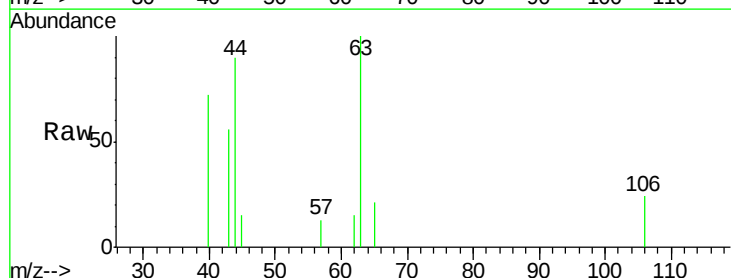


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

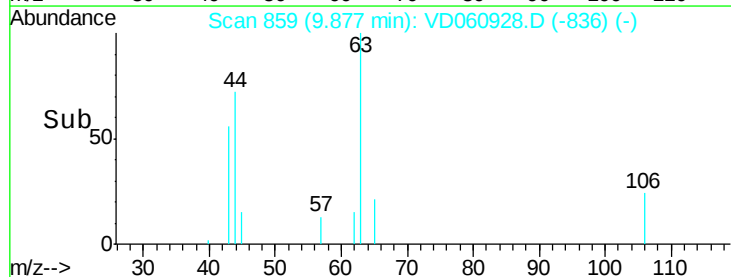
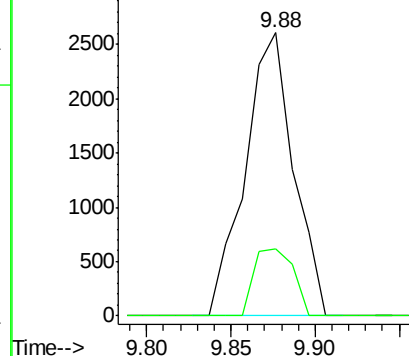


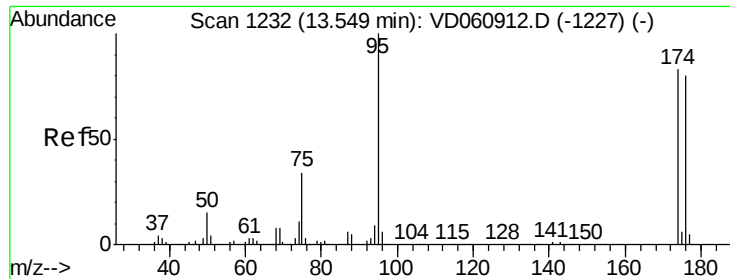
#58
2-Chloroethyl Vinyl ether
Concen: 1.659 ug/l
RT: 9.88 min Scan# 859
Delta R.T. 0.03 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

Tgt Ion: 63 Resp: 5188
Ion Ratio Lower Upper
63 100
106 23.8 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VD0
Ion 105.95 (105.65 to 106.65): V

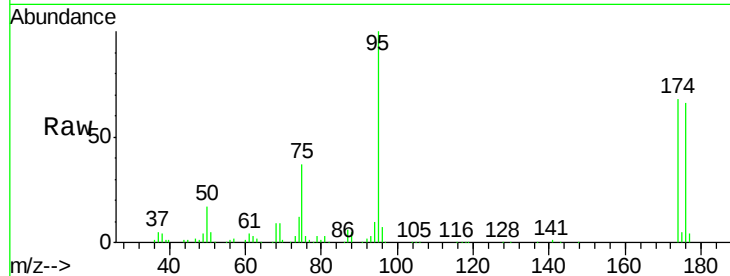




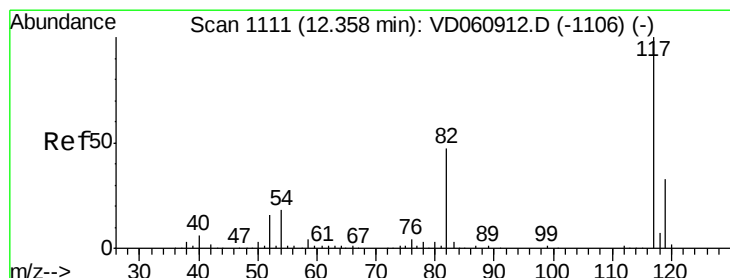
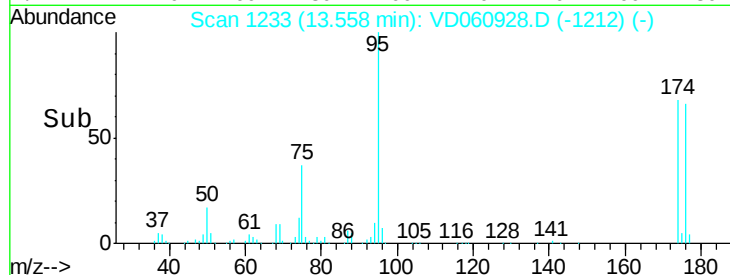
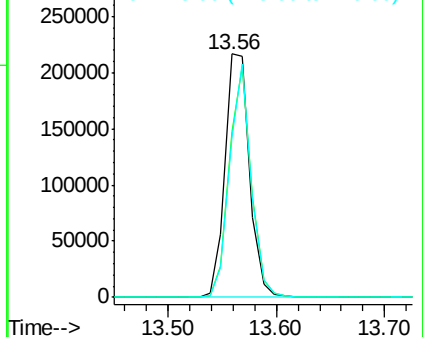
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

Instrument :
MSVOA_D
ClientSampleId :
SB-A-0-2

Tot Ion: 95 Resp: 341744
Ion Ratio Lower Upper
95 100
174 68.1 0.0 165.6
176 65.8 0.0 160.6

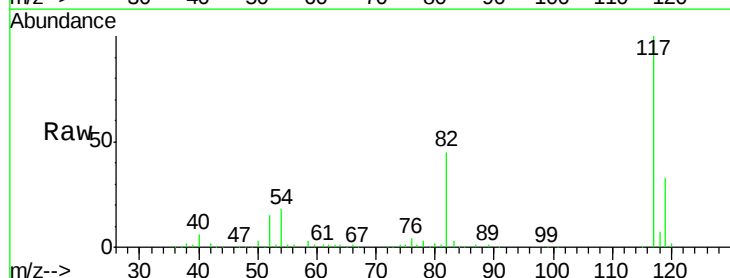


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

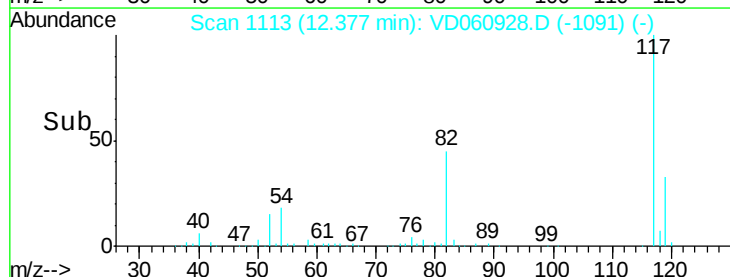
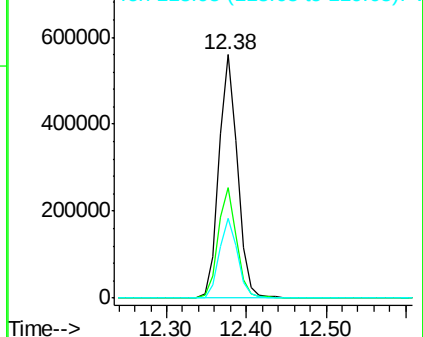


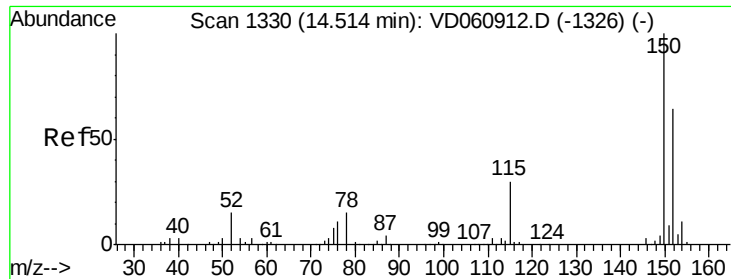
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060928.D
Acq: 4 Mar 2019 17:22

Tgt Ion: 117 Resp: 928729
Ion Ratio Lower Upper
117 100
82 45.3 37.5 56.3
119 32.5 26.2 39.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

SB-A-0-2

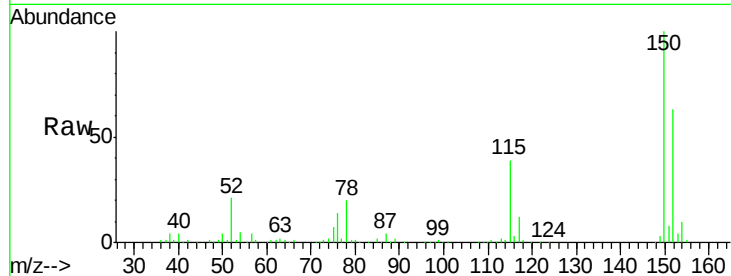
Tot Ion:152 Resp: 425314

Ion Ratio Lower Upper

152 100

115 61.9 27.6 82.8

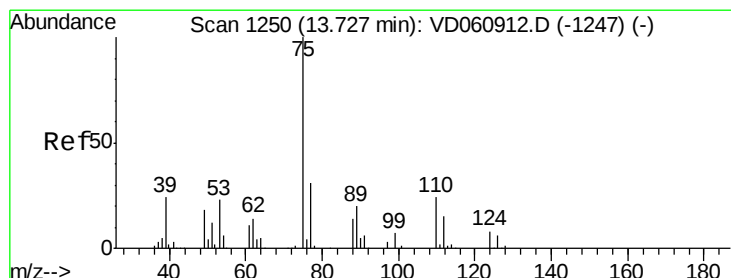
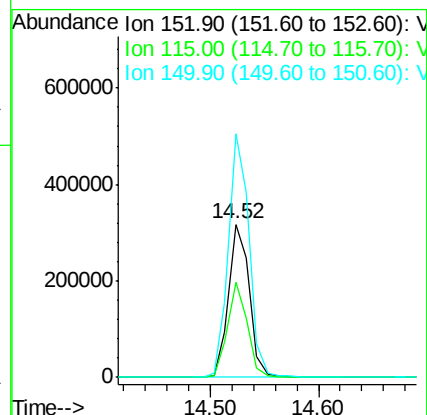
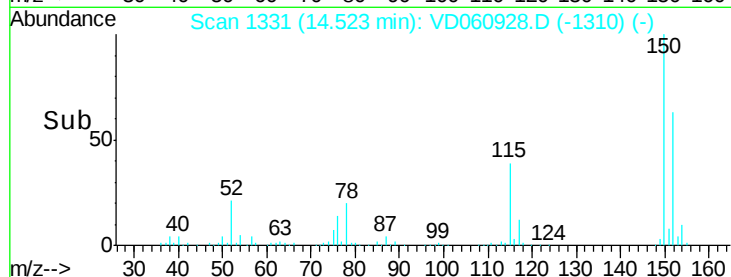
150 159.0 0.0 312.8



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



#76

1,2,3-Trichloropropane

Concen: 14.995 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD060928.D

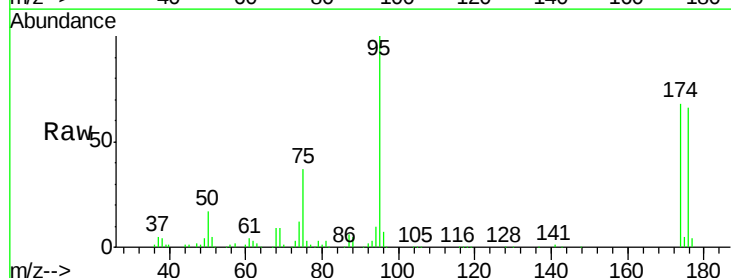
Acq: 4 Mar 2019 17:22

Tgt Ion: 75 Resp: 103333

Ion Ratio Lower Upper

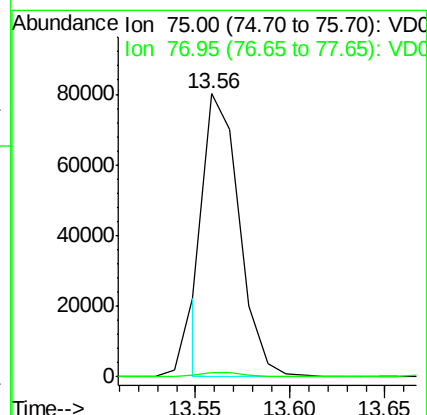
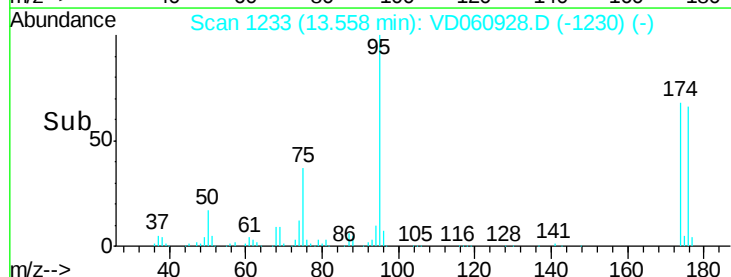
75 100

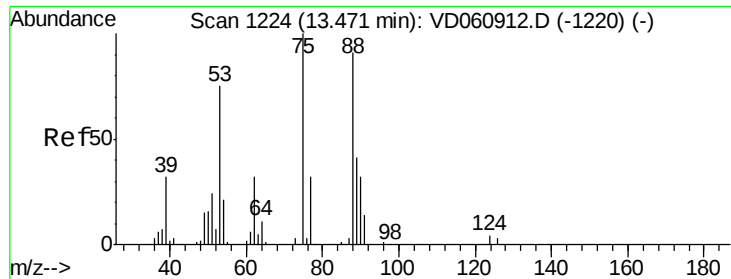
77 1.7 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 57.690 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060928.D

Acq: 4 Mar 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

SB-A-0-2

Tot Ion: 75 Resp: 117657

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#

