

Data File : VD060965.D
Acq On : 6 Mar 2019 15:10
Operator : VA/AP
Sample : K1714-17RE
Misc : 5.74g/5ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-D-2-5

Quant Time: Mar 07 05:50:24 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	603268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1033631	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	958296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	388267	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	211825	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
35) Dibromofluoromethane	6.92	113	349499	42.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.36%	
50) Toluene-d8	10.41	98	777820	37.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.44%	
62) 4-Bromofluorobenzene	13.55	95	305463	39.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.40%	

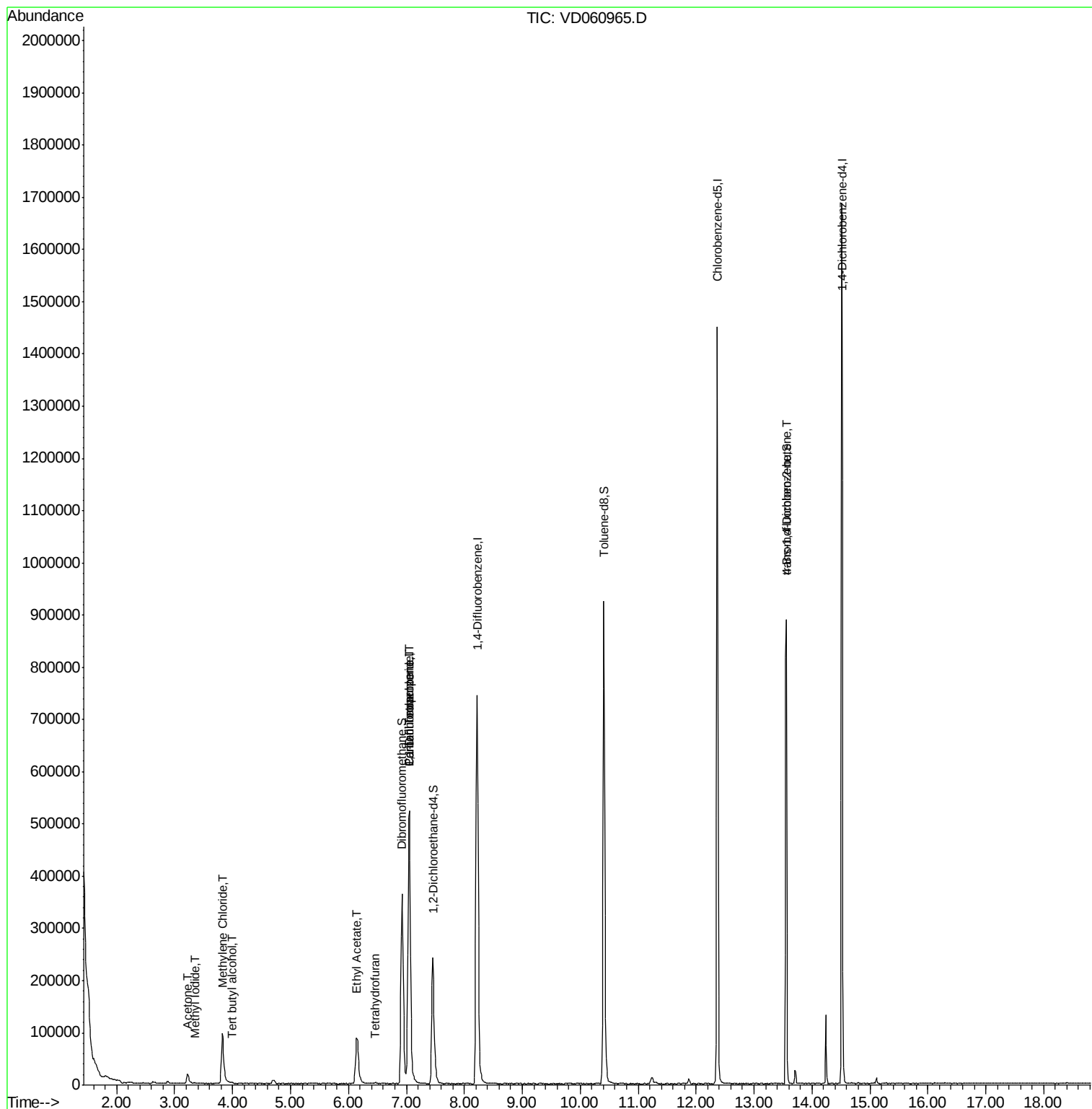
Target Compounds				Qvalue		
10) Methyl Iodide	3.34	142	1267	4.840	ug/l #	40
11) Tert butyl alcohol	3.98	59	1503	4.044	ug/l #	77
16) Acetone	3.22	43	39318	23.612	ug/l	92
20) Methylene Chloride	3.82	84	76587	6.534	ug/l	99
29) Tetrahydrofuran	6.46	42	1996	1.877	ug/l #	46
36) 1,1-Dichloropropene	7.04	75	43491	4.576	ug/l #	44
37) Ethyl Acetate	6.15	43	5808	1.189	ug/l #	1
38) Carbon Tetrachloride	7.05	117	56747	5.558	ug/l #	16
81) trans-1,4-Dichloro-2-buten	13.55	75	109320	58.716	ug/l #	20
89) n-Butylbenzene	14.80	91	837	Below Cal	#	77

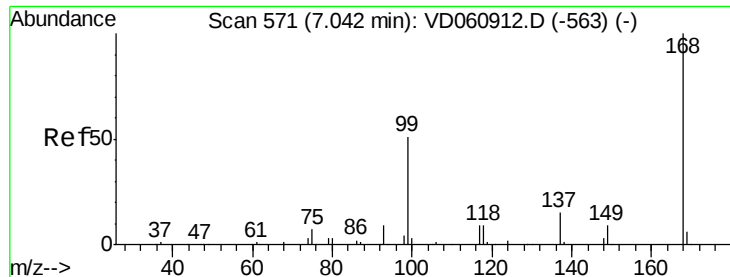
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD060965.D

Acq: 6 Mar 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

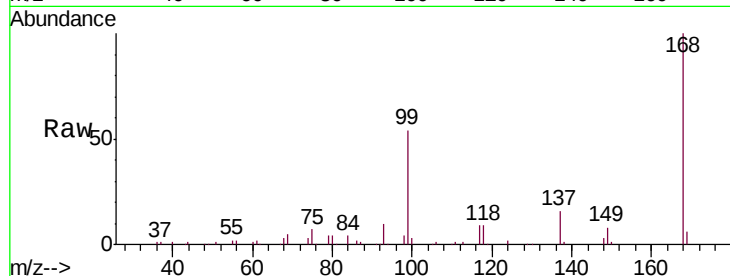
SB-D-2-5

Tgt Ion:168 Resp: 603268

Ion Ratio Lower Upper

168 100

99 53.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

200000

150000

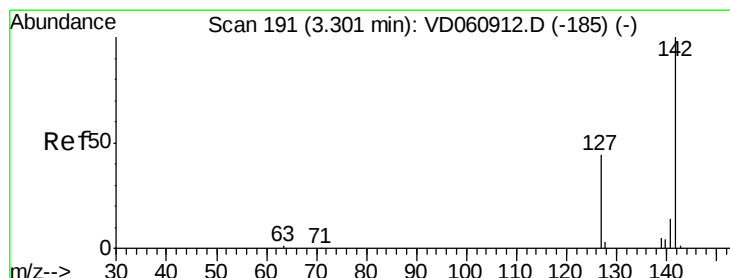
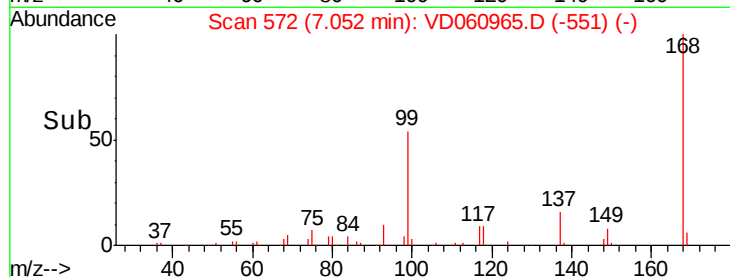
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 4.840 ug/l

RT: 3.34 min Scan# 195

Delta R.T. 0.04 min

Lab File: VD060965.D

Acq: 6 Mar 2019 15:10

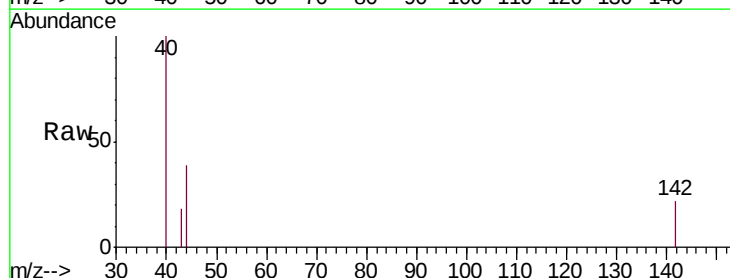
Tgt Ion:142 Resp: 1267

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

3.34

600

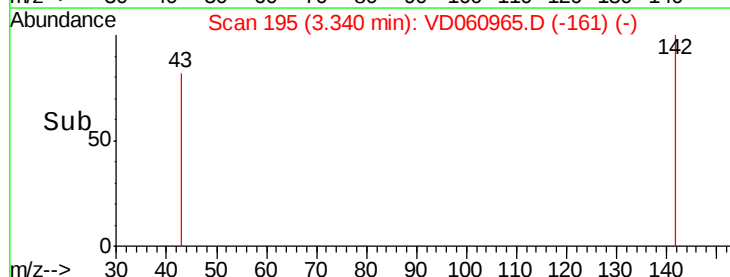
400

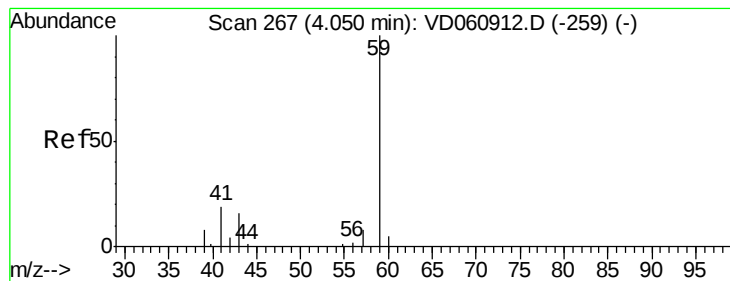
200

0

3.30 3.35

Time-->



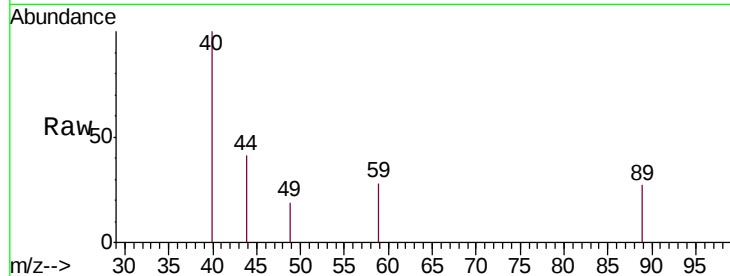


#11

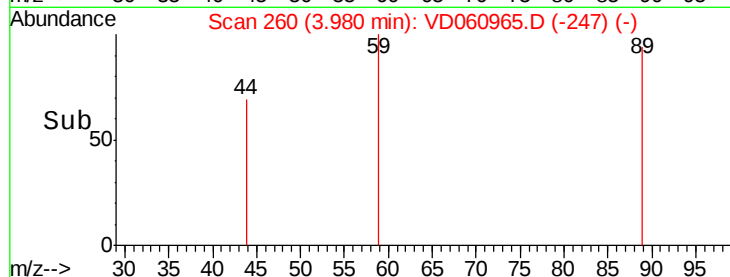
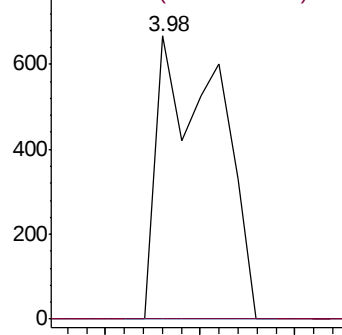
Tert butyl alcohol
 Concen: 4.044 ug/l
 RT: 3.98 min Scan# 260
 Delta R.T. -0.07 min
 Lab File: VD060965.D
 Acq: 6 Mar 2019 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-D-2-5

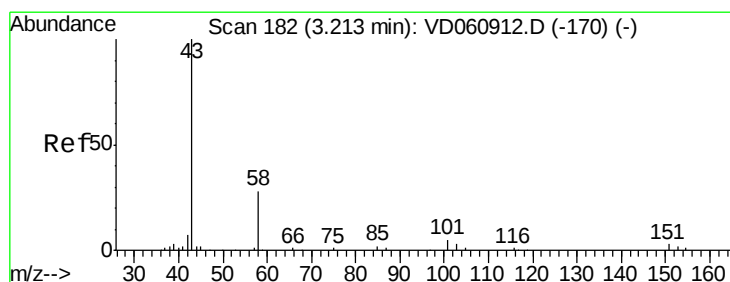
Tgt Ion: 59 Resp: 1503
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



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



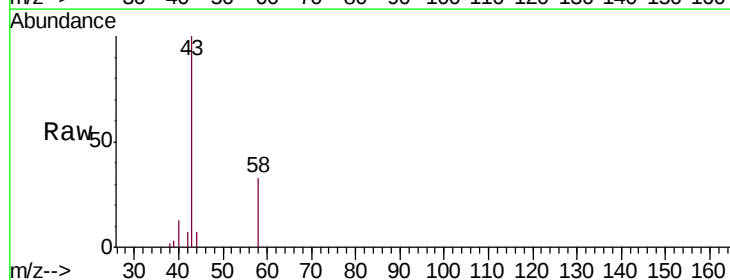
Time-->



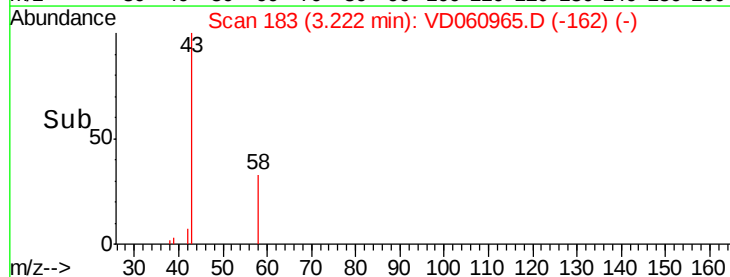
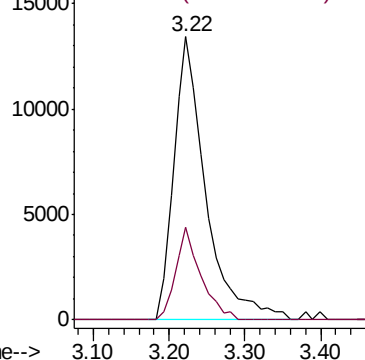
#16

Acetone
 Concen: 23.612 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VD060965.D
 Acq: 6 Mar 2019 15:10

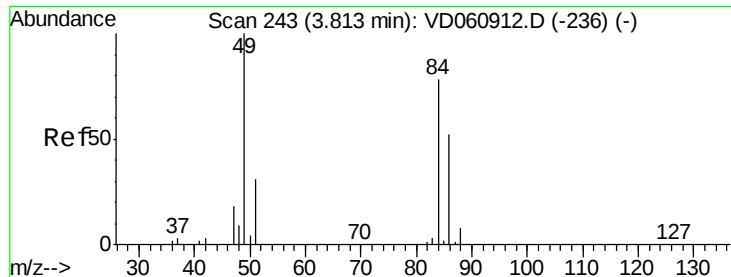
Tgt Ion: 43 Resp: 39318
 Ion Ratio Lower Upper
 43 100
 58 32.7 22.8 34.2



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



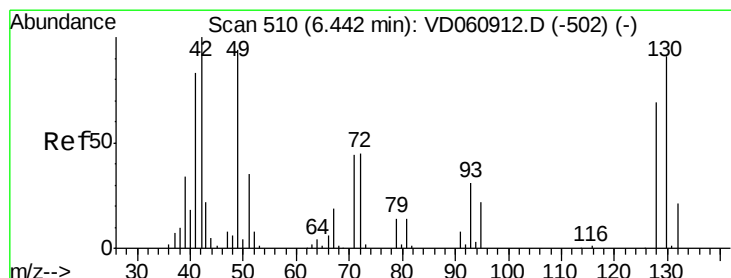
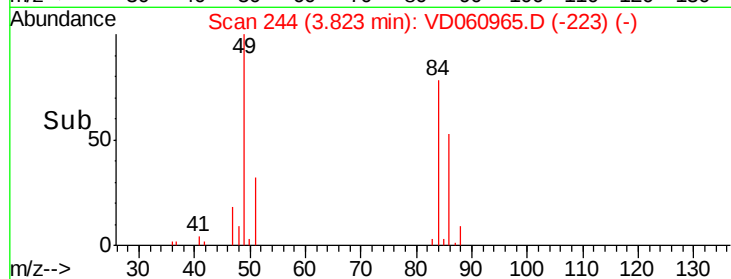
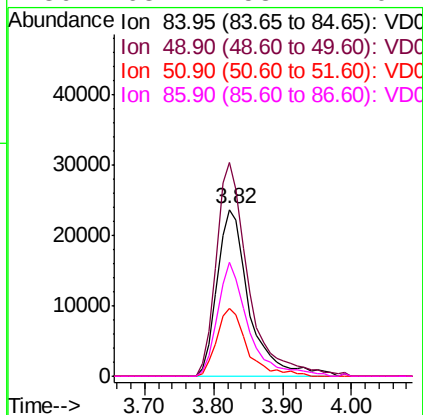
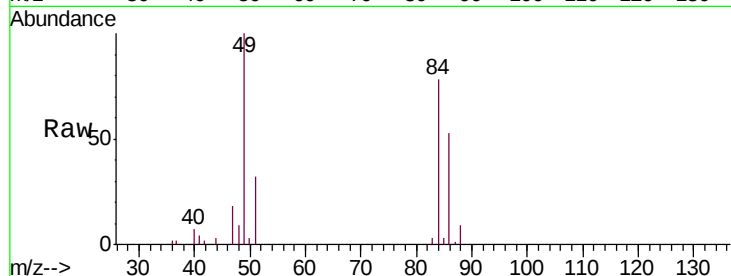
Time-->



#20
Methylene Chloride
Concen: 6.534 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060965.D
Acq: 6 Mar 2019 15:10

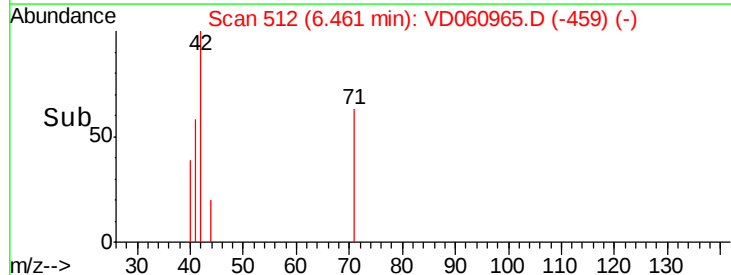
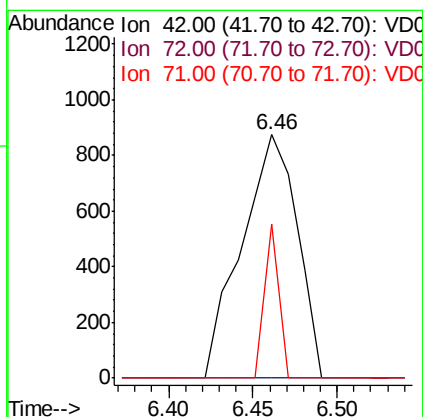
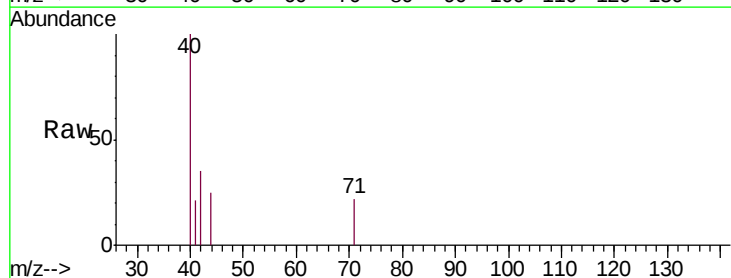
Instrument :
MSVOA_D
ClientSampleId :
SB-D-2-5

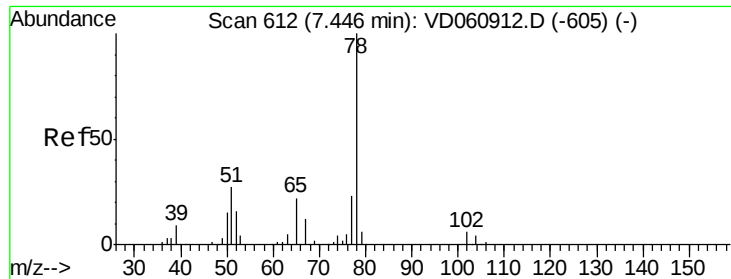
Tgt Ion:	84	Resp:	76587
Ion	Ratio	Lower	Upper
84	100		
49	128.3	102.4	153.6
51	40.4	31.9	47.9
86	68.1	53.1	79.7



#29
Tetrahydrofuran
Concen: 1.877 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD060965.D
Acq: 6 Mar 2019 15:10

Tgt Ion:	42	Resp:	1996
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.8	50.6#
71	16.4	33.5	50.3#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD060965.D

Acq: 6 Mar 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

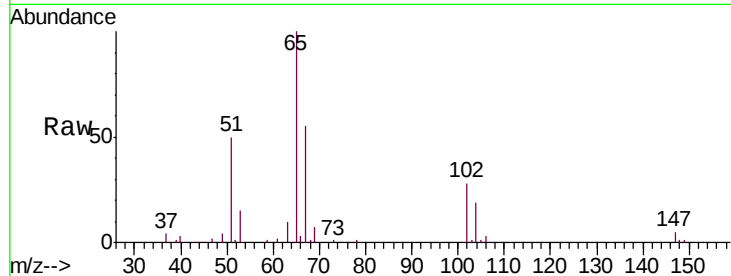
SB-D-2-5

Tgt Ion: 65 Resp: 211825

Ion Ratio Lower Upper

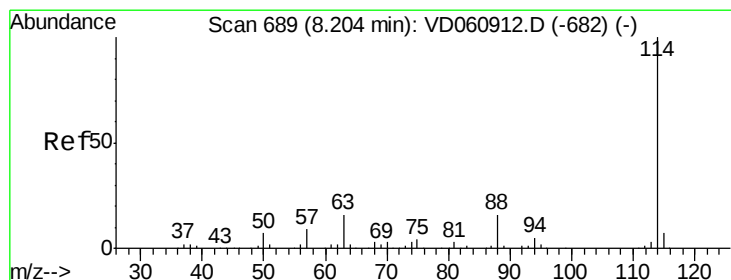
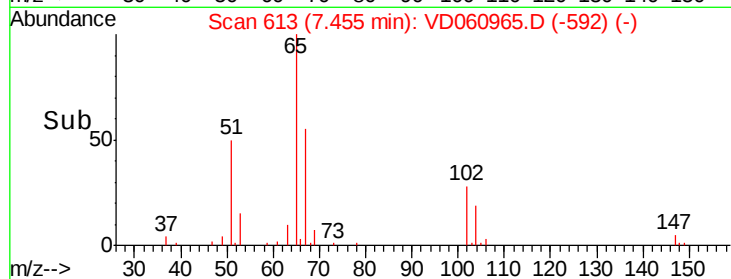
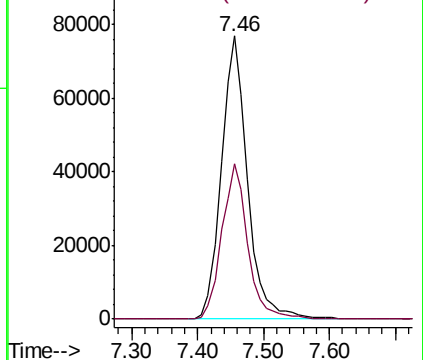
65 100

67 55.1 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: 8.22 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD060965.D

Acq: 6 Mar 2019 15:10

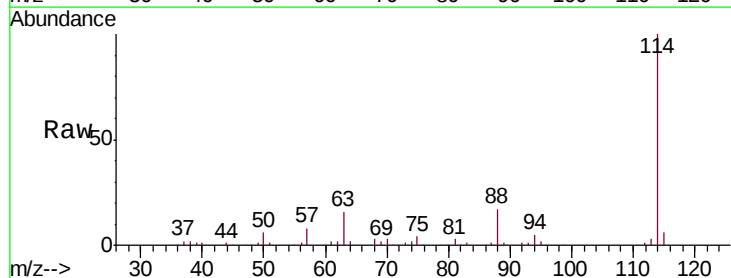
Tgt Ion: 114 Resp: 1033631

Ion Ratio Lower Upper

114 100

63 15.9 0.0 32.0

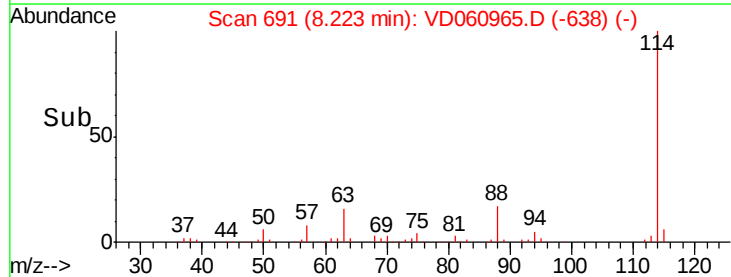
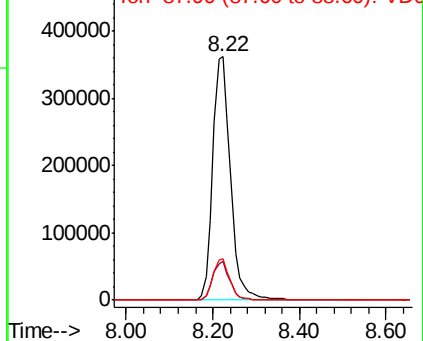
88 16.8 0.0 32.8

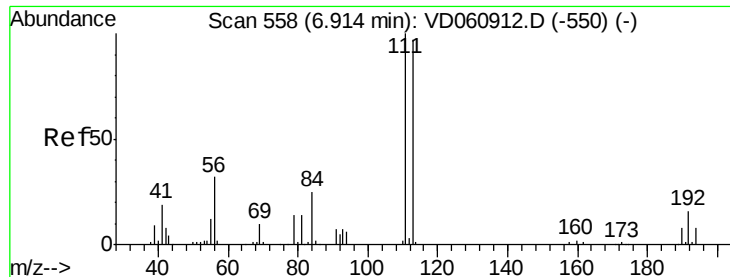


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.92 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD060965.D

Acq: 6 Mar 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

SB-D-2-5

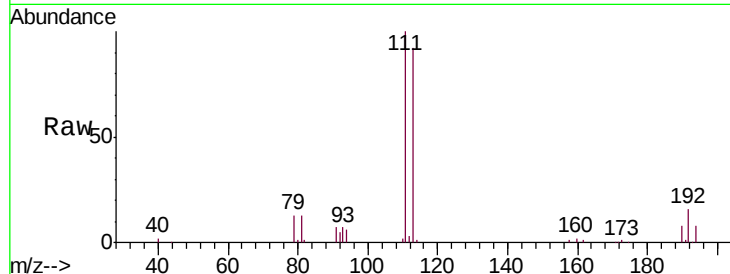
Tgt Ion:113 Resp: 349499

Ion Ratio Lower Upper

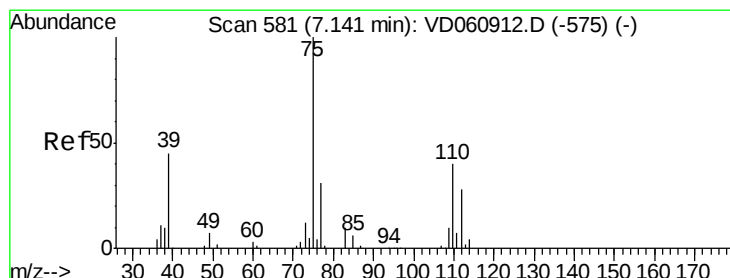
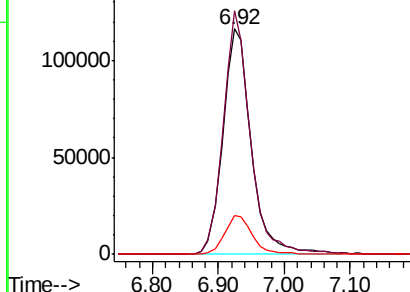
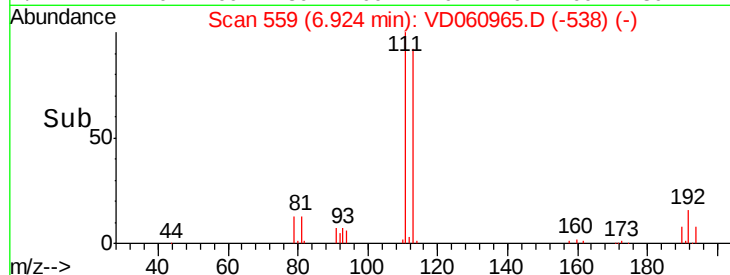
113 100

111 108.2 82.6 124.0

192 17.0 13.4 20.2



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: 4.576 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.10 min

Lab File: VD060965.D

Acq: 6 Mar 2019 15:10

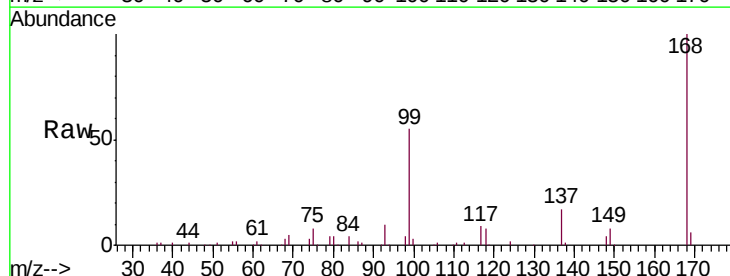
Tgt Ion: 75 Resp: 43491

Ion Ratio Lower Upper

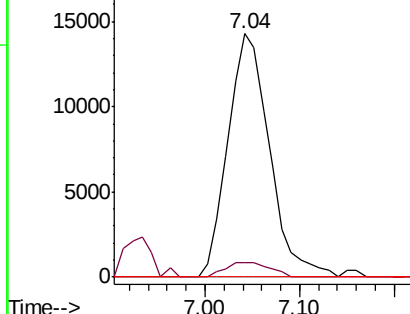
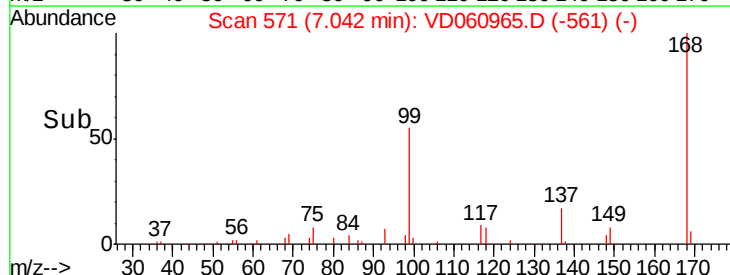
75 100

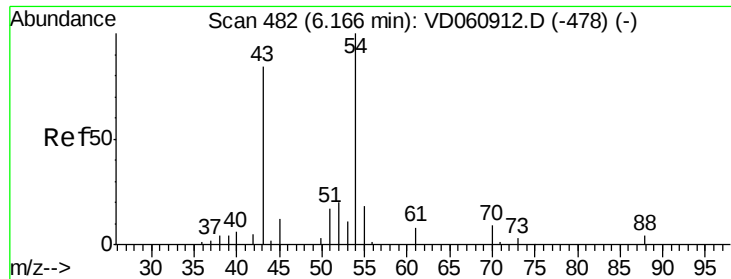
110 5.8 19.9 59.7#

77 0.0 25.0 37.6#



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

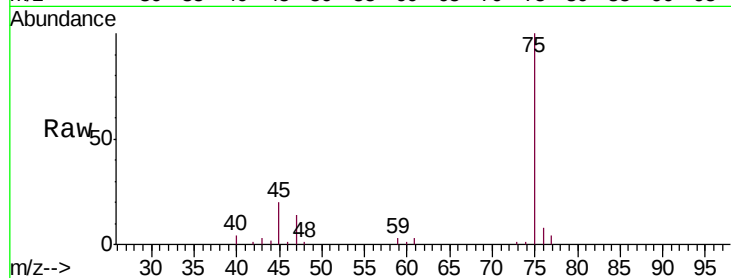




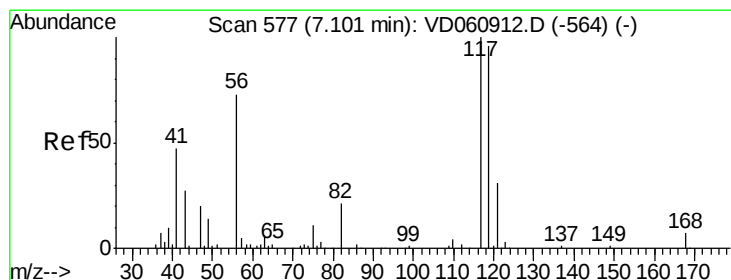
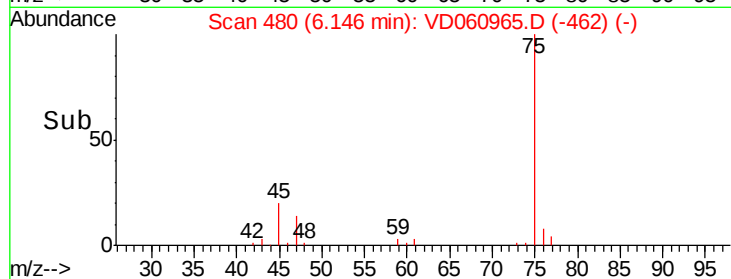
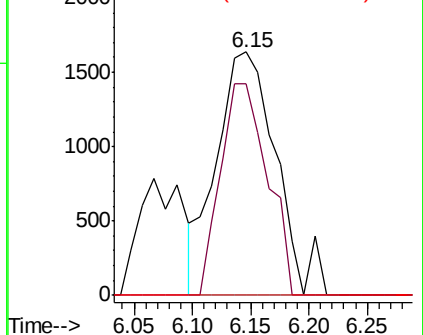
#37
Ethyl Acetate
 Concen: 1.189 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD060965.D
 Acq: 6 Mar 2019 15:10

Instrument :
 MSVOA_D
 ClientSampled :
 SB-D-2-5

Tgt Ion: 43 Resp: 5808
 Ion Ratio Lower Upper
 43 100
 61 87.0 12.1 18.1#
 70 0.0 7.3 10.9#

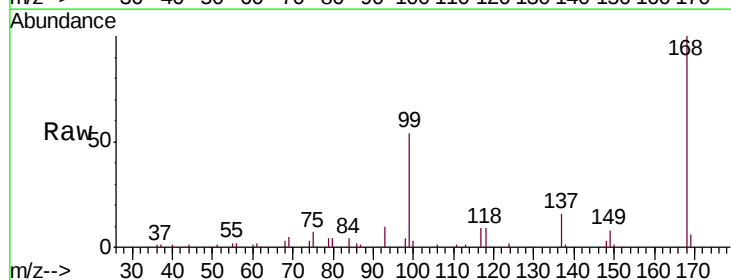


Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 70.00 (69.70 to 70.70): VDC

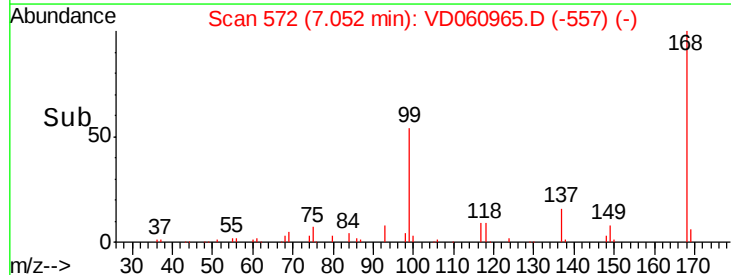
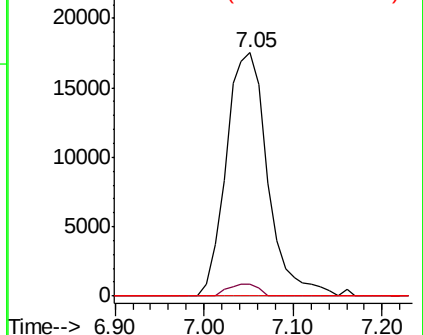


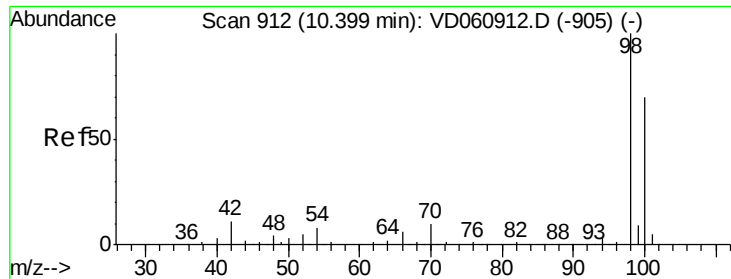
#38
Carbon Tetrachloride
 Concen: 5.558 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.05 min
 Lab File: VD060965.D
 Acq: 6 Mar 2019 15:10

Tgt Ion: 117 Resp: 56747
 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

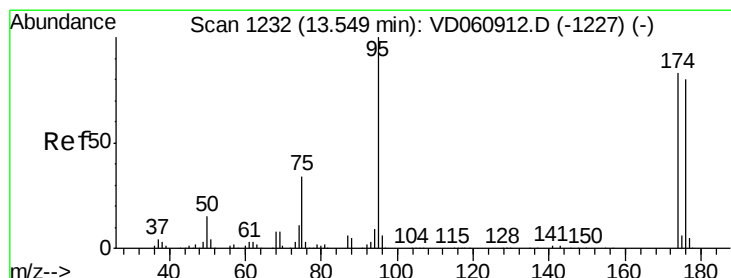
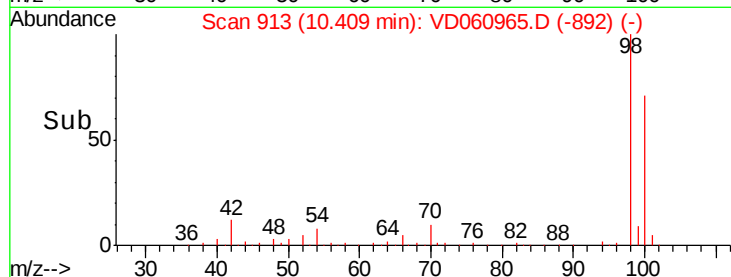
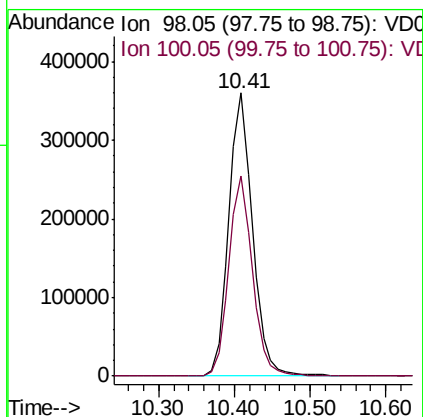
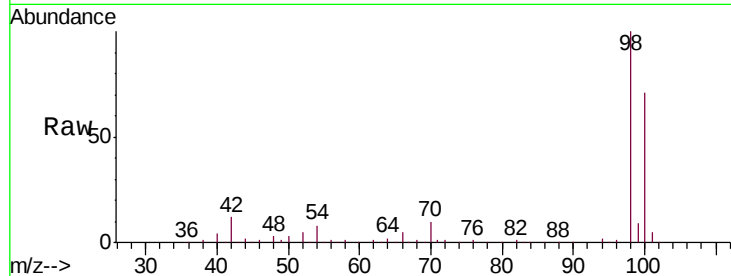




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD060965.D
Acq: 6 Mar 2019 15:10

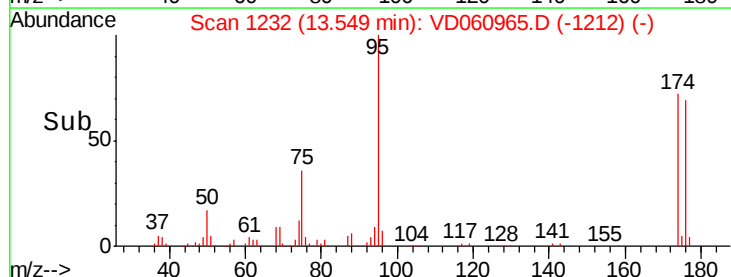
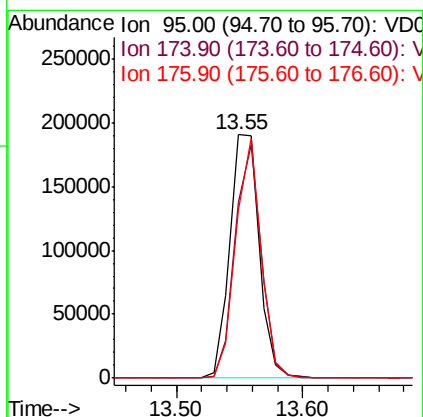
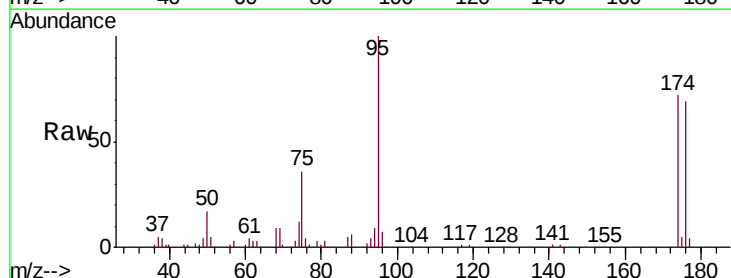
Instrument :
MSVOA_D
ClientSampleId :
SB-D-2-5

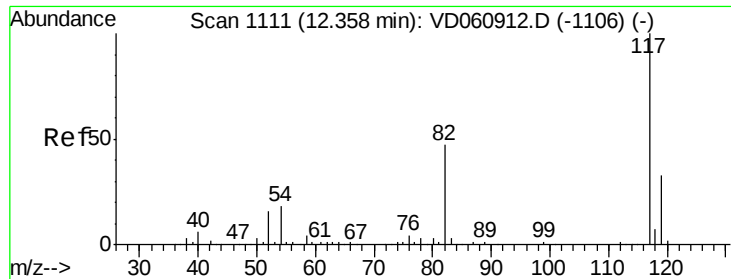
Tgt Ion: 98 Resp: 777820
Ion Ratio Lower Upper
98 100
100 70.5 57.0 85.4



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD060965.D
Acq: 6 Mar 2019 15:10

Tgt Ion: 95 Resp: 305463
Ion Ratio Lower Upper
95 100
174 72.0 0.0 165.6
176 69.2 0.0 160.6

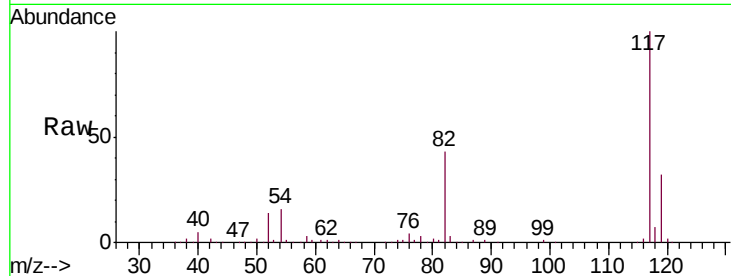




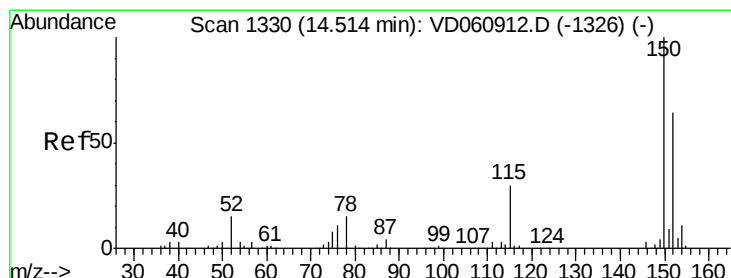
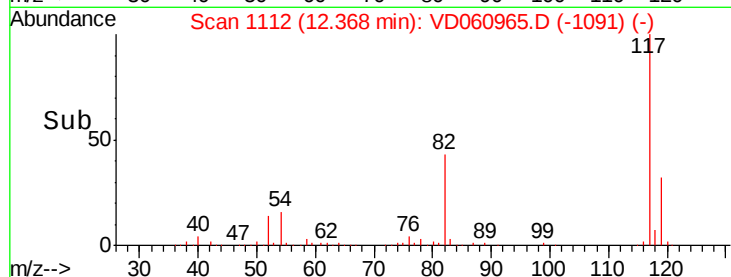
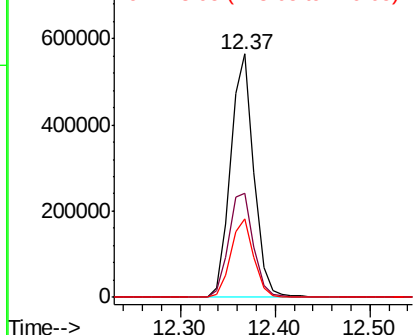
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060965.D
Acq: 6 Mar 2019 15:10

Instrument :
MSVOA_D
ClientSampleId :
SB-D-2-5

Tgt Ion:117 Resp: 958296
Ion Ratio Lower Upper
117 100
82 42.7 37.5 56.3
119 32.4 26.2 39.2

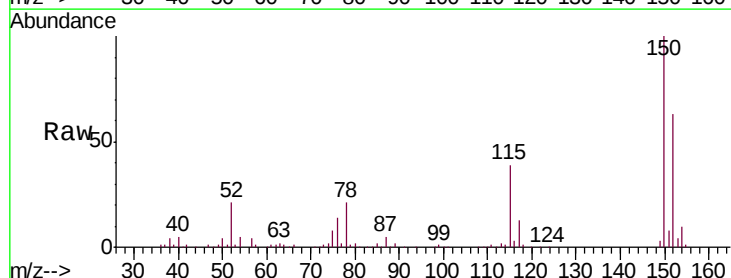


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

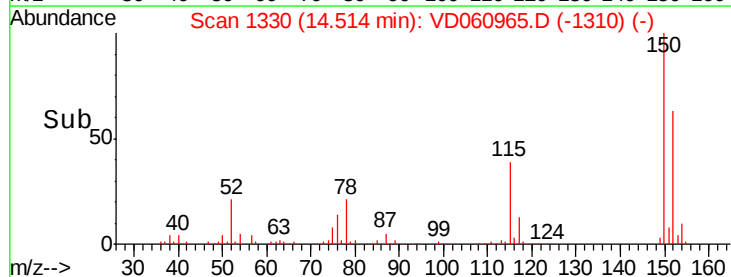
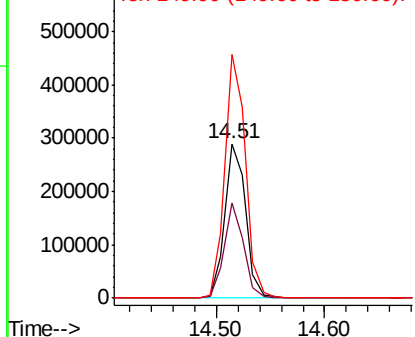


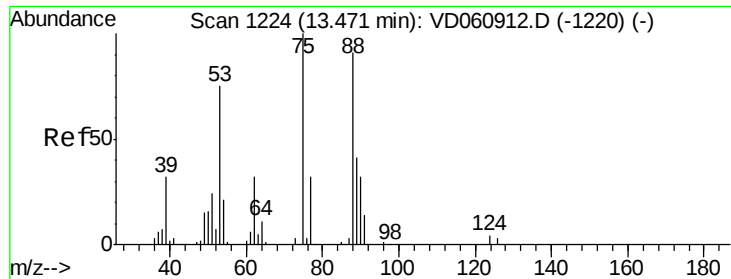
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD060965.D
Acq: 6 Mar 2019 15:10

Tgt Ion:152 Resp: 388267
Ion Ratio Lower Upper
152 100
115 61.4 27.6 82.8
150 157.6 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: 58.716 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD060965.D

Acq: 6 Mar 2019 15:10

Instrument :

MSVOA_D

ClientSampleId :

SB-D-2-5

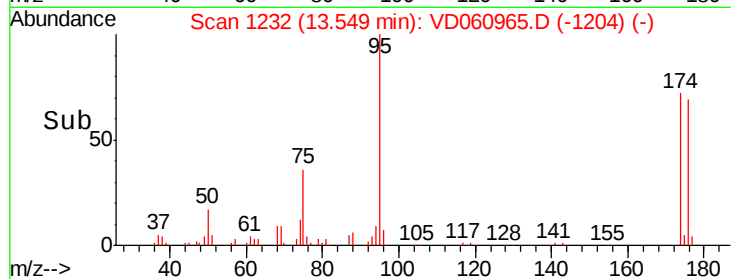
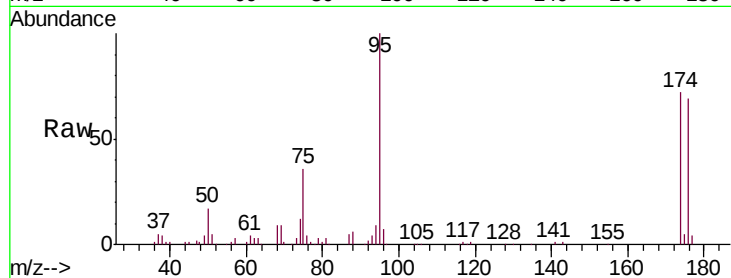
Tgt Ion: 75 Resp: 109320

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

