

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061214.D
 Acq On : 20 Mar 2019 18:03
 Operator : VA/AP
 Sample : K1984-06RE
 Misc : 5.56g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13(13.5-14.5)

Quant Time: Mar 22 02:01:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	514299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	946125	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	693557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	286872	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	218178	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	6.92	113	399460	56.89	ug/l	0.00
Spiked Amount			Recovery	=	113.78%	
50) Toluene-d8	10.40	98	913609	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	13.55	95	332963	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

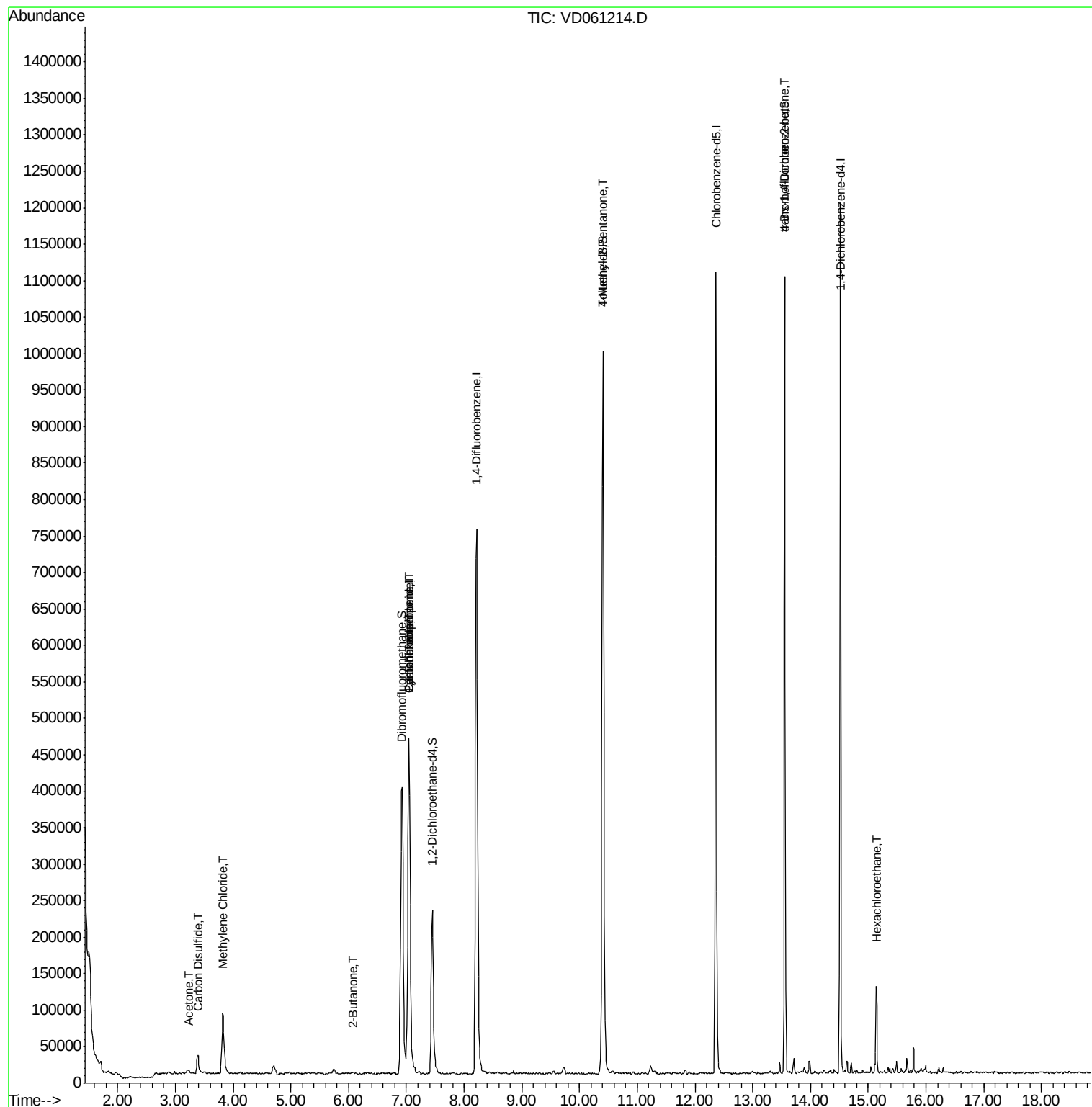
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	12899	10.537	ug/l	98
17) Carbon Disulfide	3.39	76	52146	2.994	ug/l	96
20) Methylene Chloride	3.83	84	64429	7.587	ug/l	91
25) 2-Butanone	6.08	43	3326	2.394	ug/l #	55
31) Cyclohexane	7.05	56	8530	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	36494	4.475	ug/l #	45
38) Carbon Tetrachloride	7.05	117	49608	5.522	ug/l #	14
51) 4-Methyl-2-Pentanone	10.40	43	4265	1.313	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	120988	99.433	ug/l #	17
90) Hexachloroethane	15.14	117	9089	1.878	ug/l #	13

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

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SB-13(13.5-14.5)

Quant Time: Mar 22 02:01:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

Instrument :

MSVOA_D

ClientSampleId :

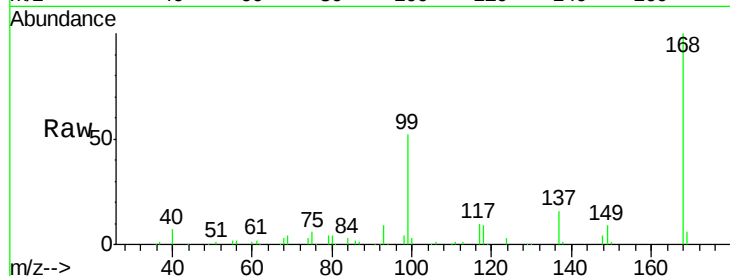
SB-13(13.5-14.5)

Tot Ion:168 Resp: 514299

Ion Ratio Lower Upper

168 100

99 51.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

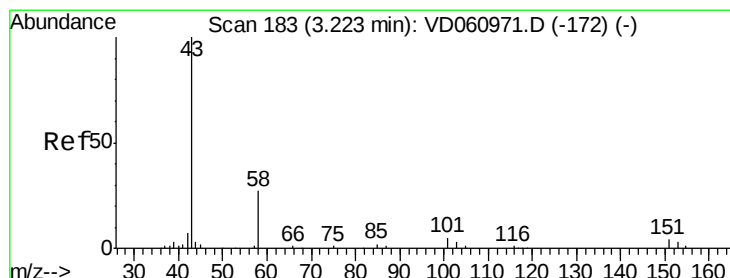
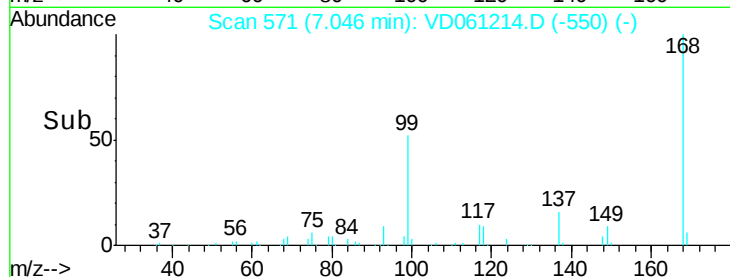
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 10.537 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061214.D

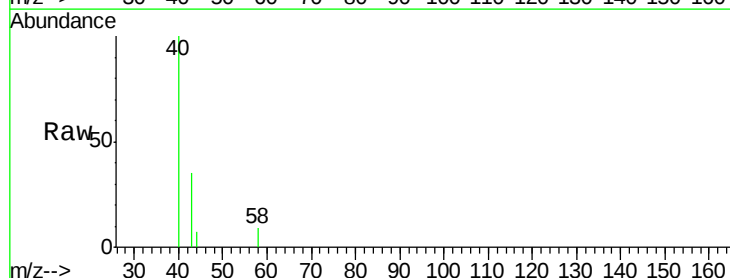
Acq: 20 Mar 2019 18:03

Tgt Ion: 43 Resp: 12899

Ion Ratio Lower Upper

43 100

58 26.2 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

4000

3000

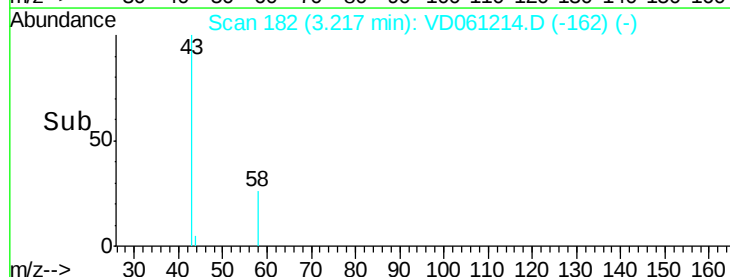
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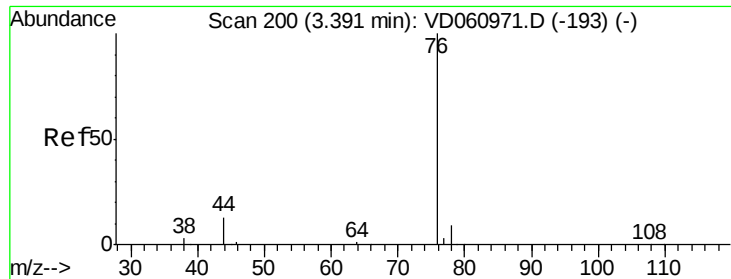
1000

0

3.10 3.20 3.30

Time-->





#17

Carbon Disulfide

Concen: 2.994 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.00 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

Instrument :

MSVOA_D

ClientSampleId :

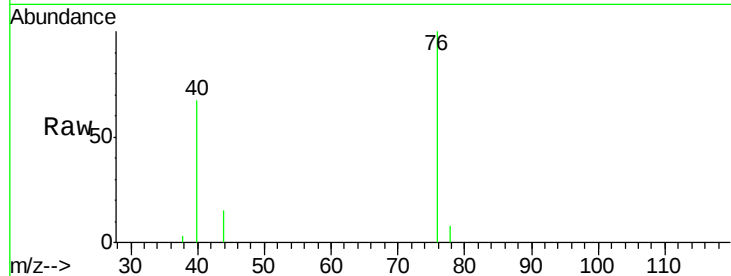
SB-13(13.5-14.5)

Tot Ion: 76 Resp: 52146

Ion Ratio Lower Upper

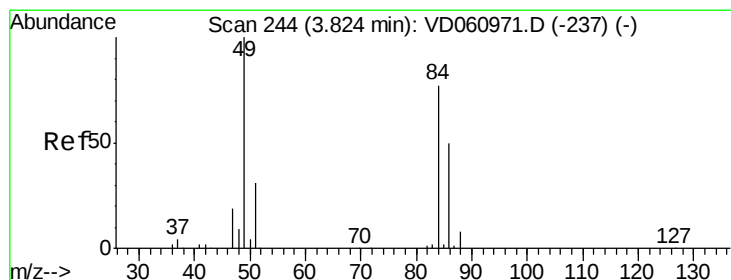
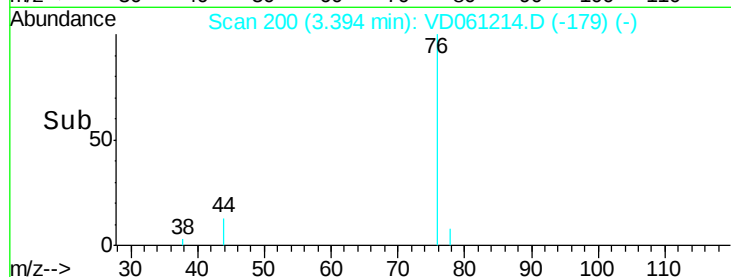
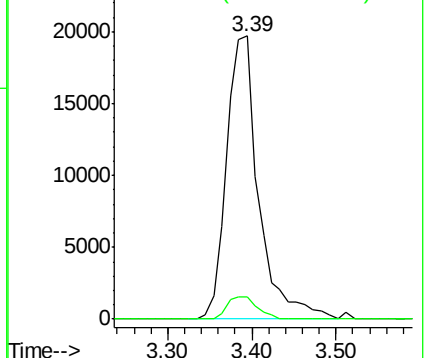
76 100

78 8.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 7.587 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.00 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

Tgt Ion: 84 Resp: 64429

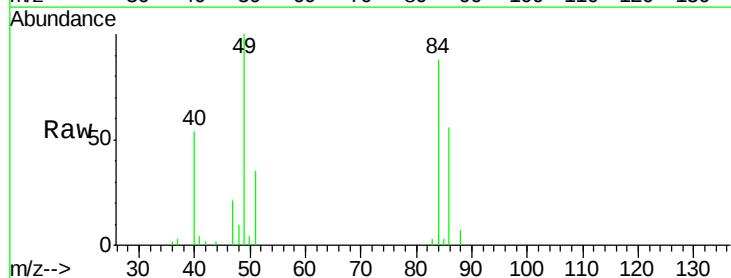
Ion Ratio Lower Upper

84 100

49 113.1 104.2 156.2

51 39.7 32.3 48.5

86 63.2 52.3 78.5

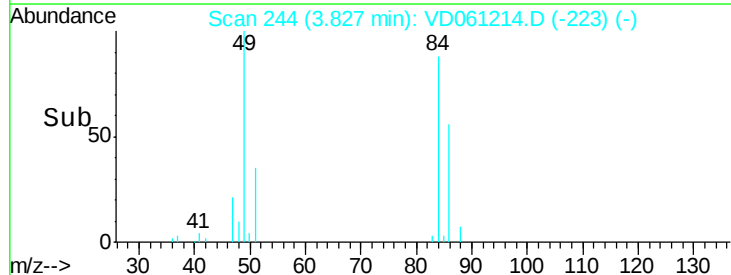
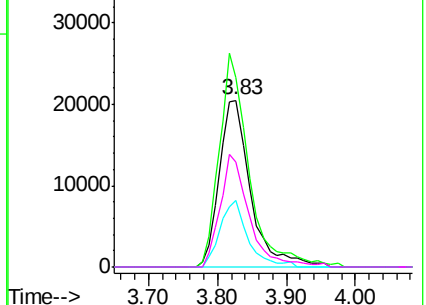


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 2.394 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

Instrument :

MSVOA_D

ClientSampleId :

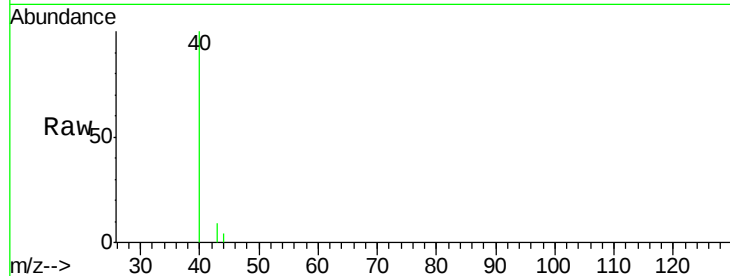
SB-13(13.5-14.5)

Tot Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

72 0.0 16.7 25.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

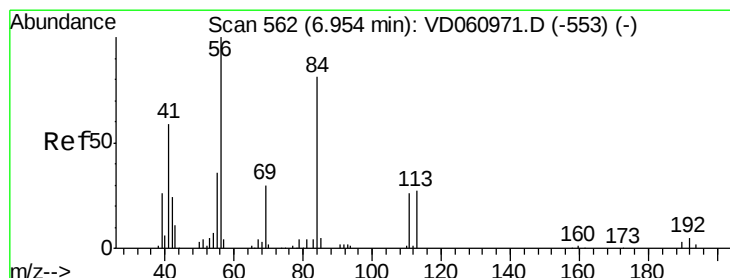
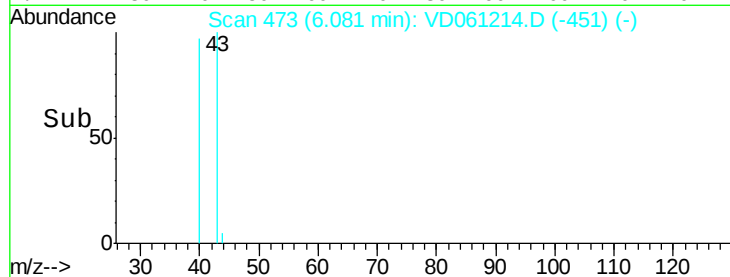
6.08

1000

500

0

Time-->



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.09 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

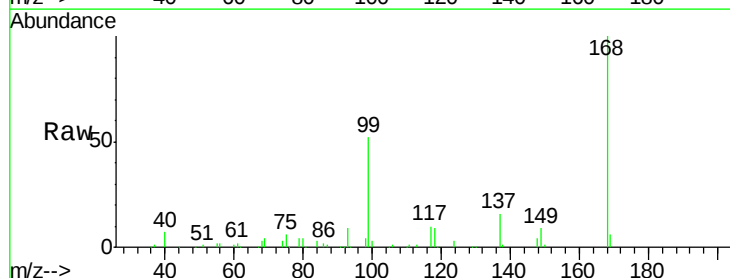
Tgt Ion: 56 Resp: 8530

Ion Ratio Lower Upper

56 100

69 231.0 24.0 36.0#

84 174.5 65.8 98.6#



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

10000

8000

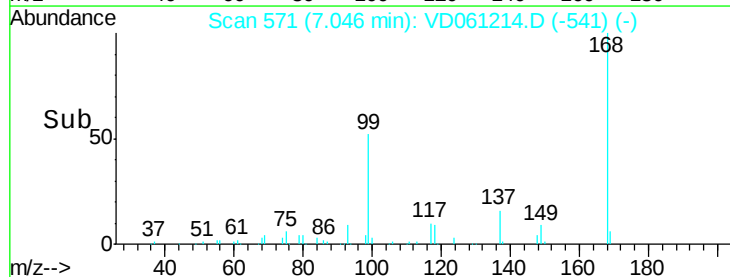
6000

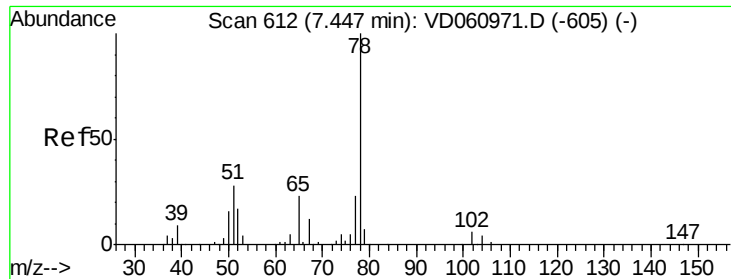
4000

2000

0

Time-->

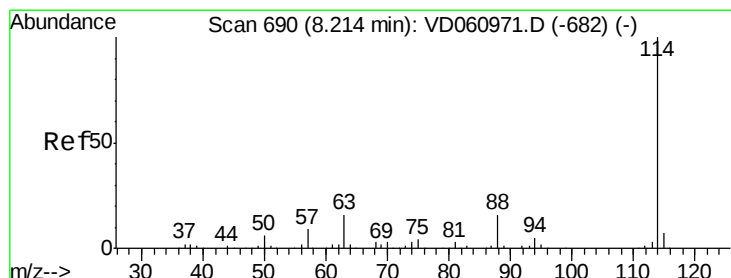
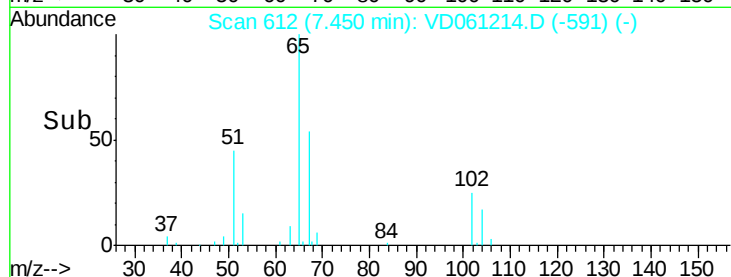
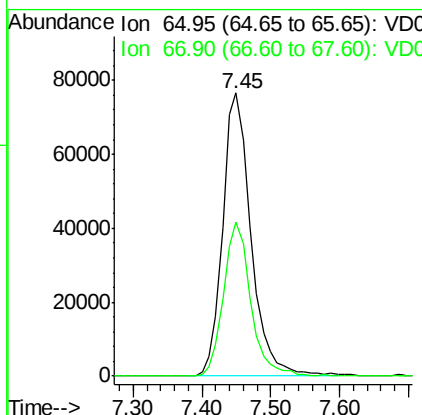
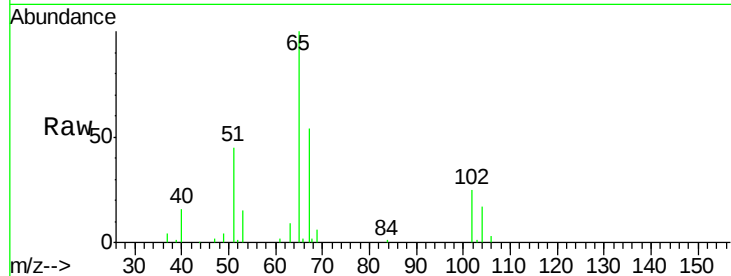




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061214.D
 Acq: 20 Mar 2019 18:03

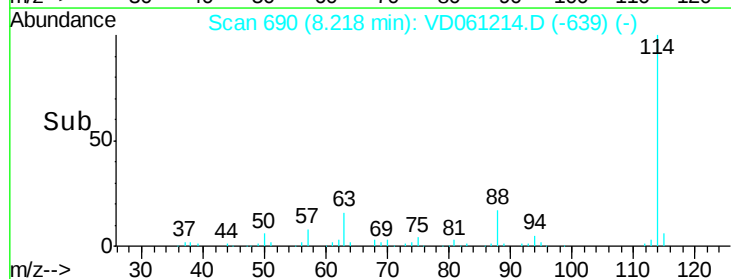
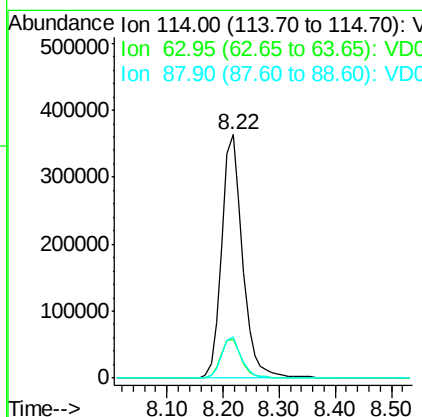
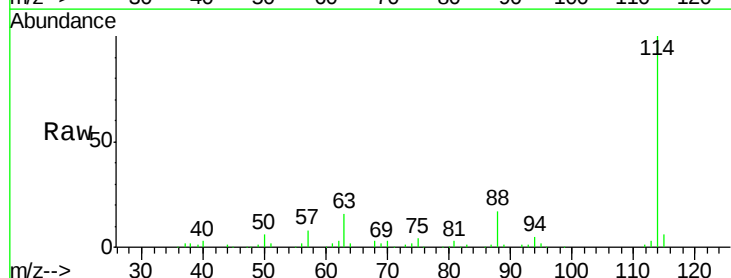
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13(13.5-14.5)

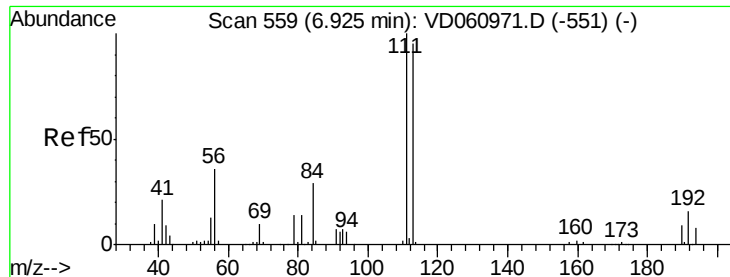
Tot Ion: 65 Resp: 218178
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD061214.D
 Acq: 20 Mar 2019 18:03

Tgt Ion: 114 Resp: 946125
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 31.4
 88 16.8 0.0 33.0

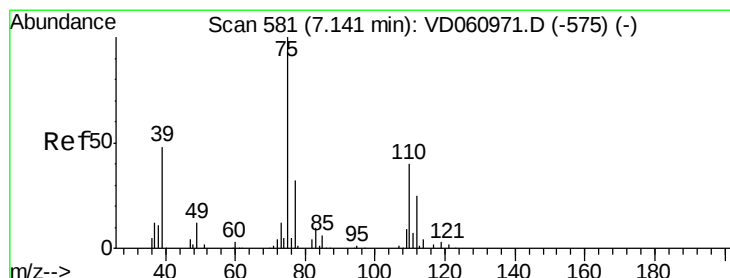
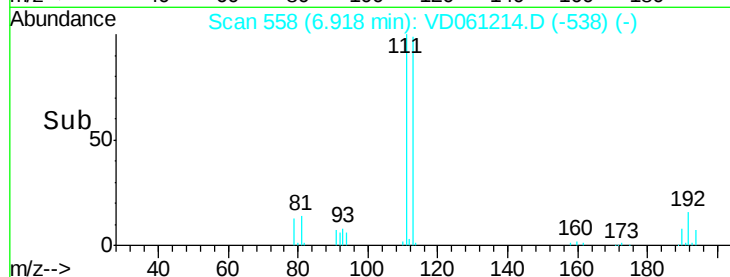
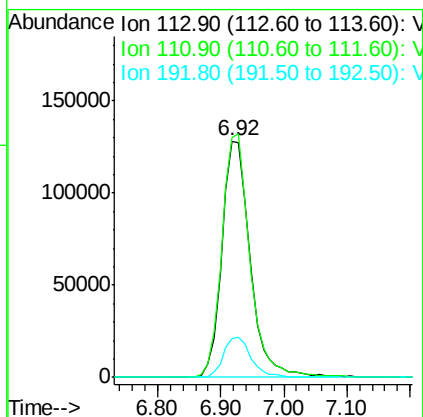
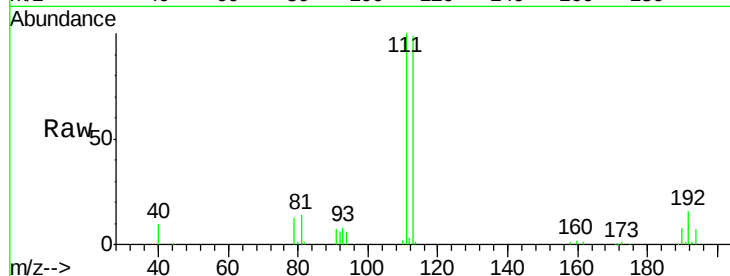




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.92 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD061214.D
Acq: 20 Mar 2019 18:03

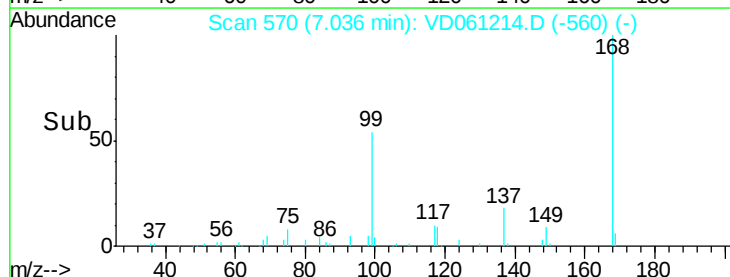
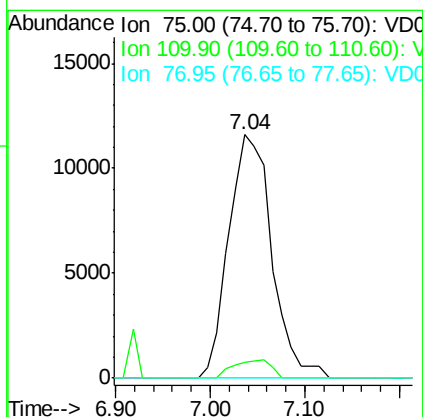
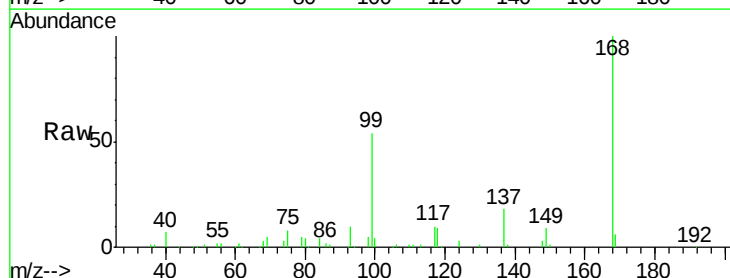
Instrument :
MSVOA_D
ClientSampleId :
SB-13(13.5-14.5)

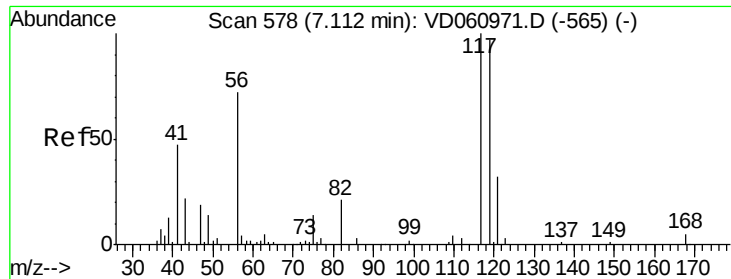
Tot Ion:113 Resp: 399460
Ion Ratio Lower Upper
113 100
111 101.5 84.2 126.4
192 16.3 13.1 19.7



#36
1,1-Dichloropropene
Concen: 4.475 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD061214.D
Acq: 20 Mar 2019 18:03

Tgt Ion: 75 Resp: 36494
Ion Ratio Lower Upper
75 100
110 6.7 19.7 59.1#
77 0.0 24.7 37.1#

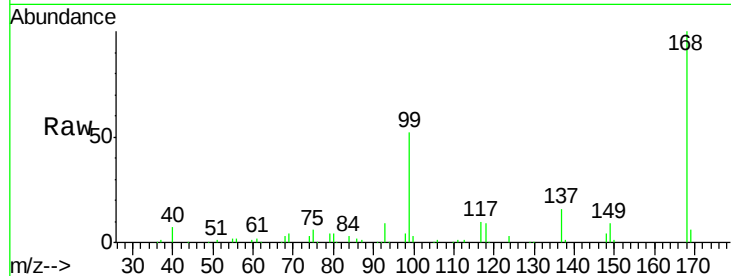




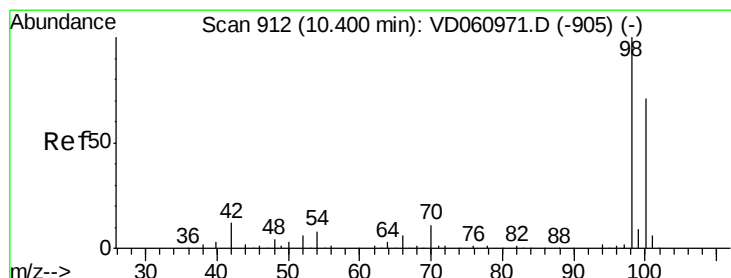
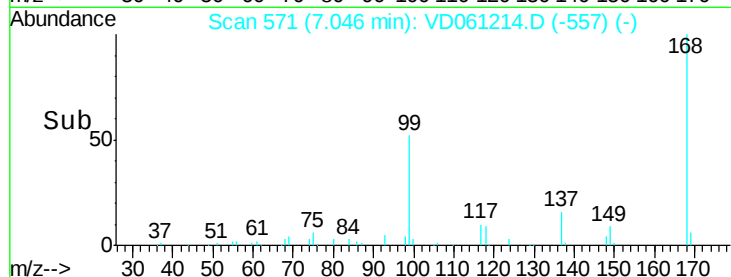
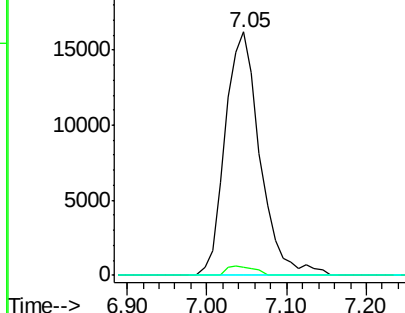
#38
Carbon Tetrachloride
Concen: 5.522 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD061214.D
Acq: 20 Mar 2019 18:03

Instrument :
MSVOA_D
ClientSampleId :
SB-13(13.5-14.5)

Tot Ion:117 Resp: 49608
Ion Ratio Lower Upper
117 100
119 3.4 77.8 116.8#
121 0.0 25.3 37.9#

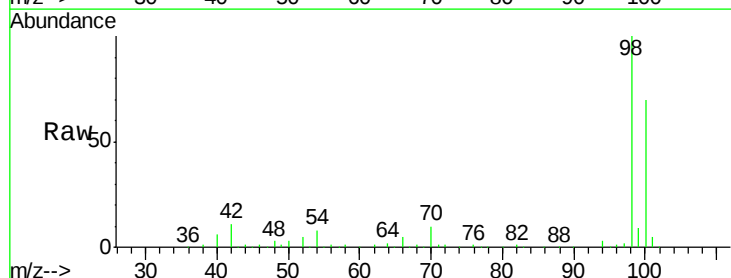


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

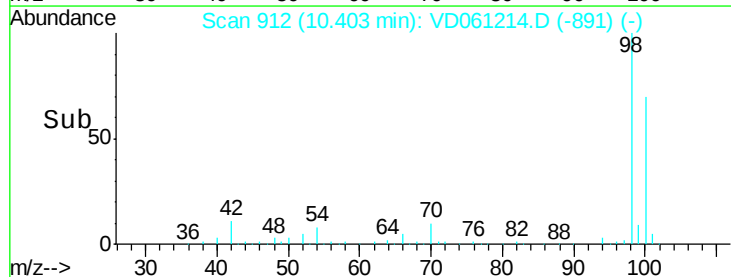
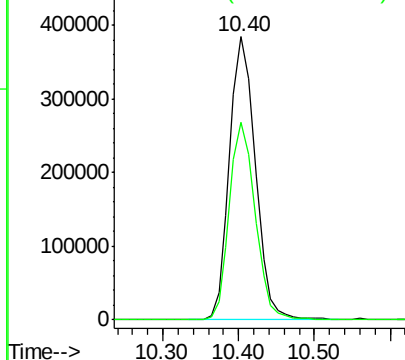


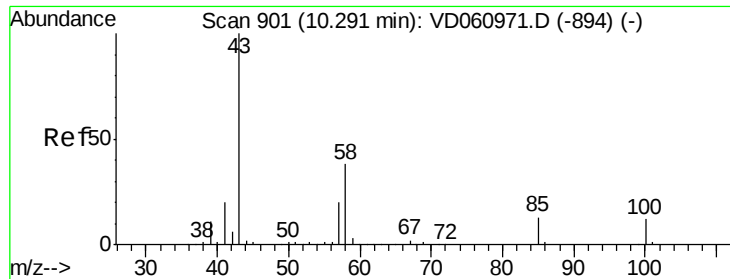
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061214.D
Acq: 20 Mar 2019 18:03

Tgt Ion: 98 Resp: 913609
Ion Ratio Lower Upper
98 100
100 70.0 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.313 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

Instrument :

MSVOA_D

ClientSampleId :

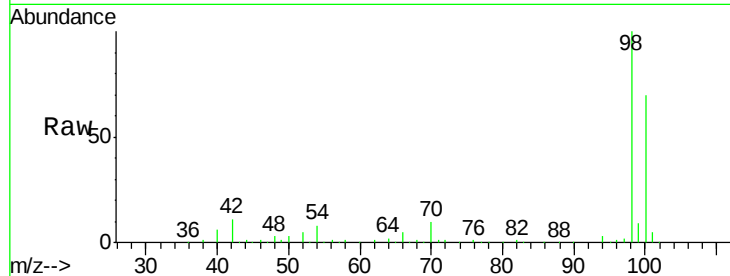
SB-13(13.5-14.5)

Tot Ion: 43 Resp: 4265

Ion Ratio Lower Upper

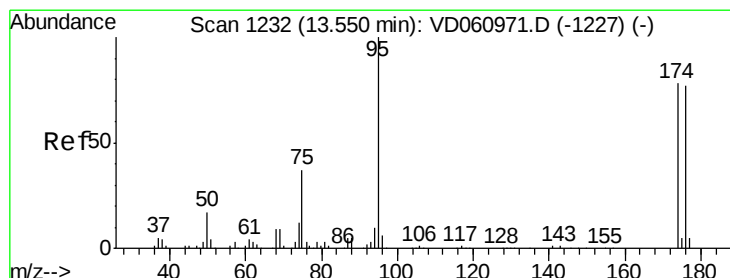
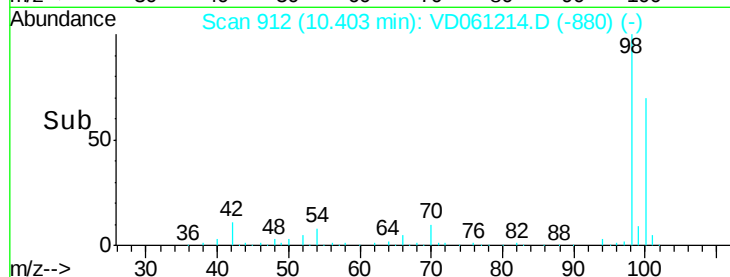
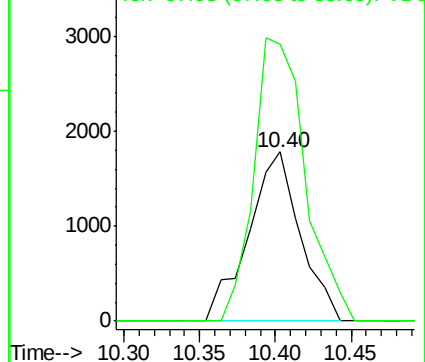
43 100

58 163.5 30.2 45.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

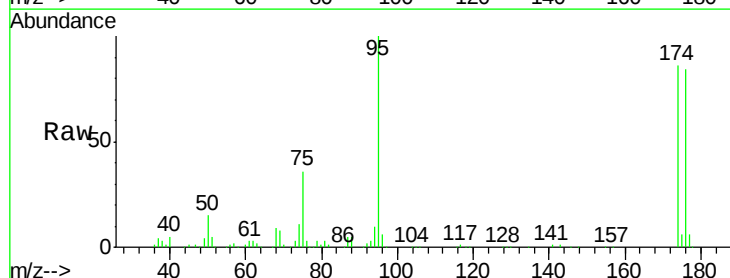
Tgt Ion: 95 Resp: 332963

Ion Ratio Lower Upper

95 100

174 85.9 0.0 155.6

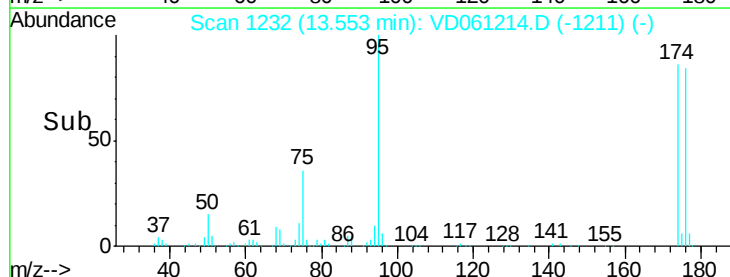
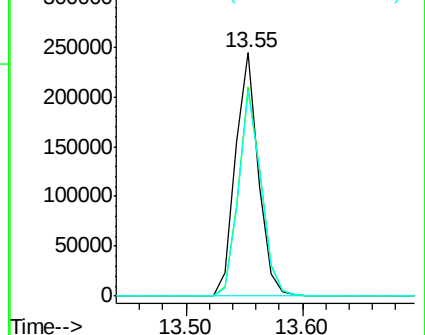
176 84.3 0.0 153.8

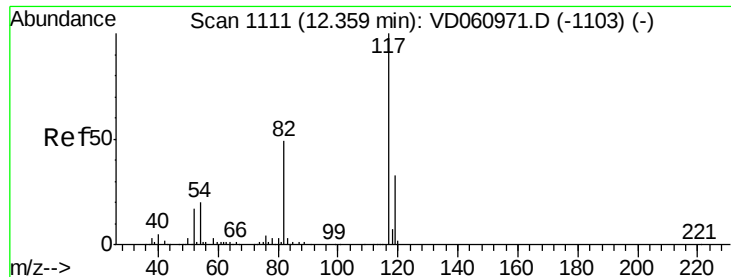


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

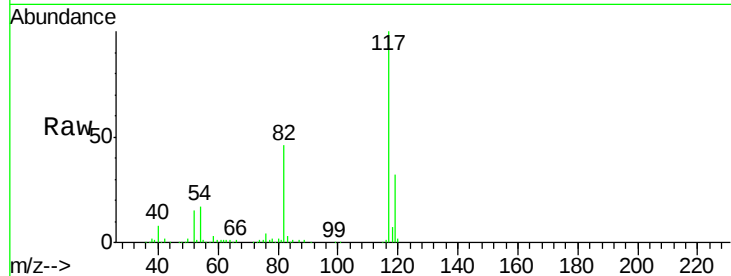




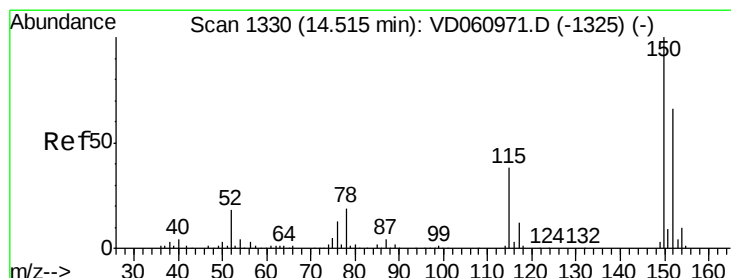
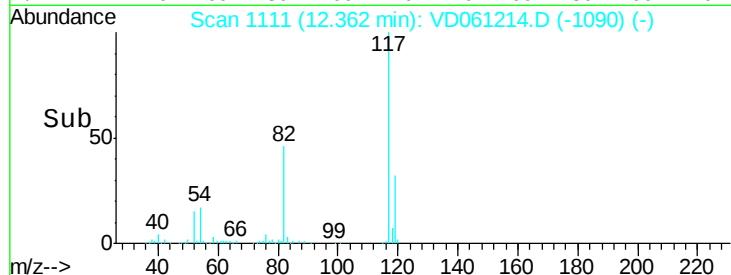
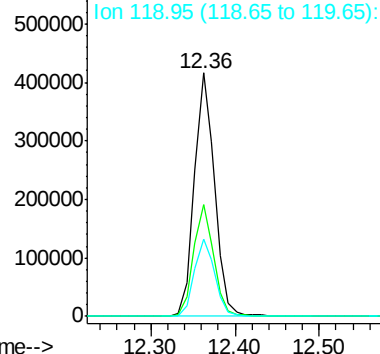
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061214.D
Acq: 20 Mar 2019 18:03

Instrument :
MSVOA_D
ClientSampleId :
SB-13(13.5-14.5)

Tot Ion:117 Resp: 693557
Ion Ratio Lower Upper
117 100
82 46.0 38.9 58.3
119 31.8 26.6 39.8

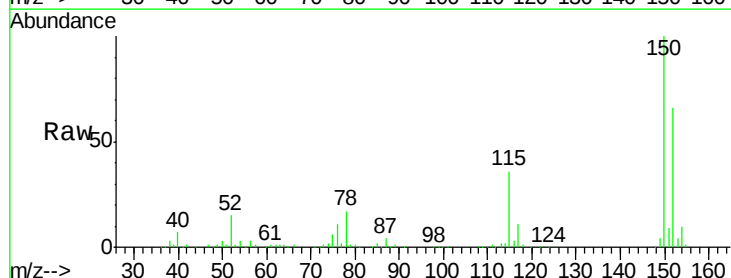


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

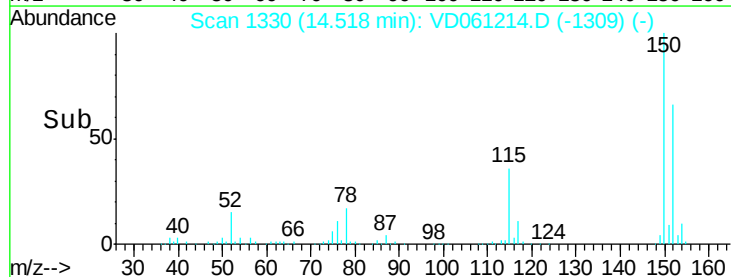
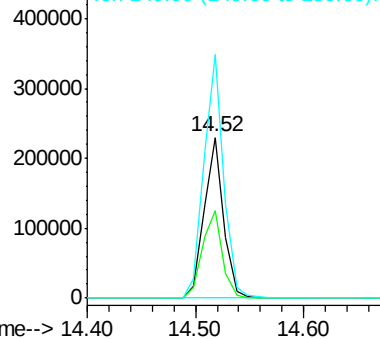


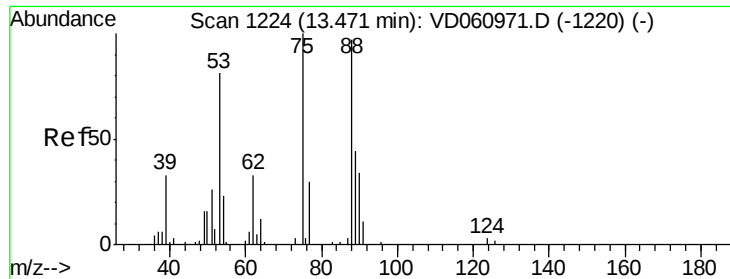
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061214.D
Acq: 20 Mar 2019 18:03

Tgt Ion:152 Resp: 286872
Ion Ratio Lower Upper
152 100
115 54.8 28.6 85.9
150 151.6 0.0 310.6



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: 99.433 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD061214.D

Acq: 20 Mar 2019 18:03

Instrument :

MSVOA_D

ClientSampleId :

SB-13(13.5-14.5)

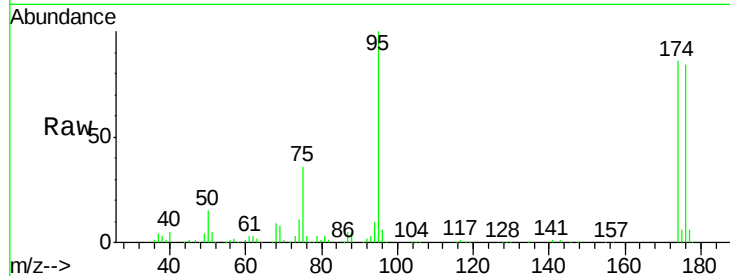
Tot Ion: 75 Resp: 120988

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

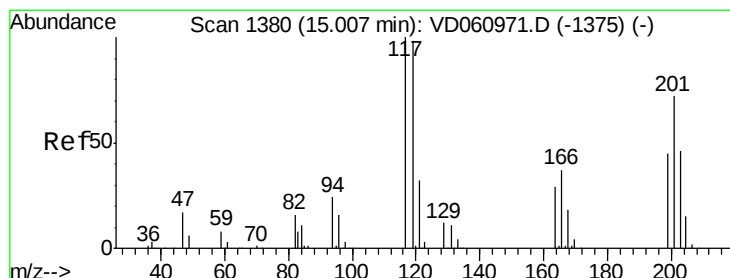
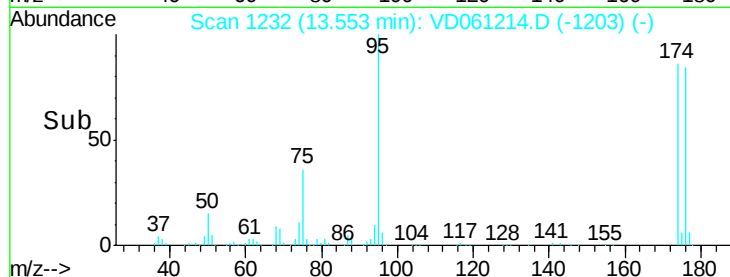
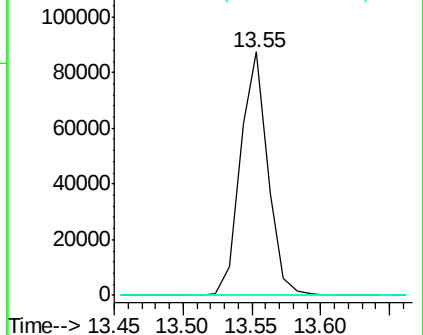
89 0.0 34.8 52.2#



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



#90

Hexachloroethane

Concen: 1.878 ug/l

RT: 15.14 min Scan# 1393

Delta R.T. 0.13 min

Lab File: VD061214.D

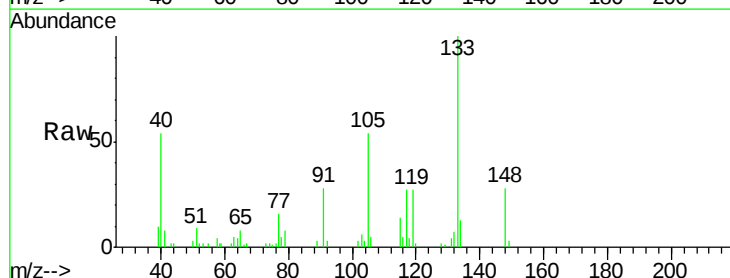
Acq: 20 Mar 2019 18:03

Tgt Ion: 117 Resp: 9089

Ion Ratio Lower Upper

117 100

201 0.0 36.2 108.6#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

