

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062176.D
 Acq On : 8 May 2019 16:10
 Operator : FY/SY
 Sample : K2672-09
 Misc : 5.10g/5mL/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-1.5-2.0RE

Quant Time: May 09 01:25:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	44225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	73595	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	62620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	28300	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	41919	102.00	ug/l	0.00
Spiked Amount			Recovery	=	204.00%	
35) Dibromofluoromethane	6.90	113	37526	61.45	ug/l	0.00
Spiked Amount			Recovery	=	122.90%	
50) Toluene-d8	10.39	98	64177	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	
62) 4-Bromofluorobenzene	13.54	95	26635	45.05	ug/l	0.00
Spiked Amount			Recovery	=	90.10%	

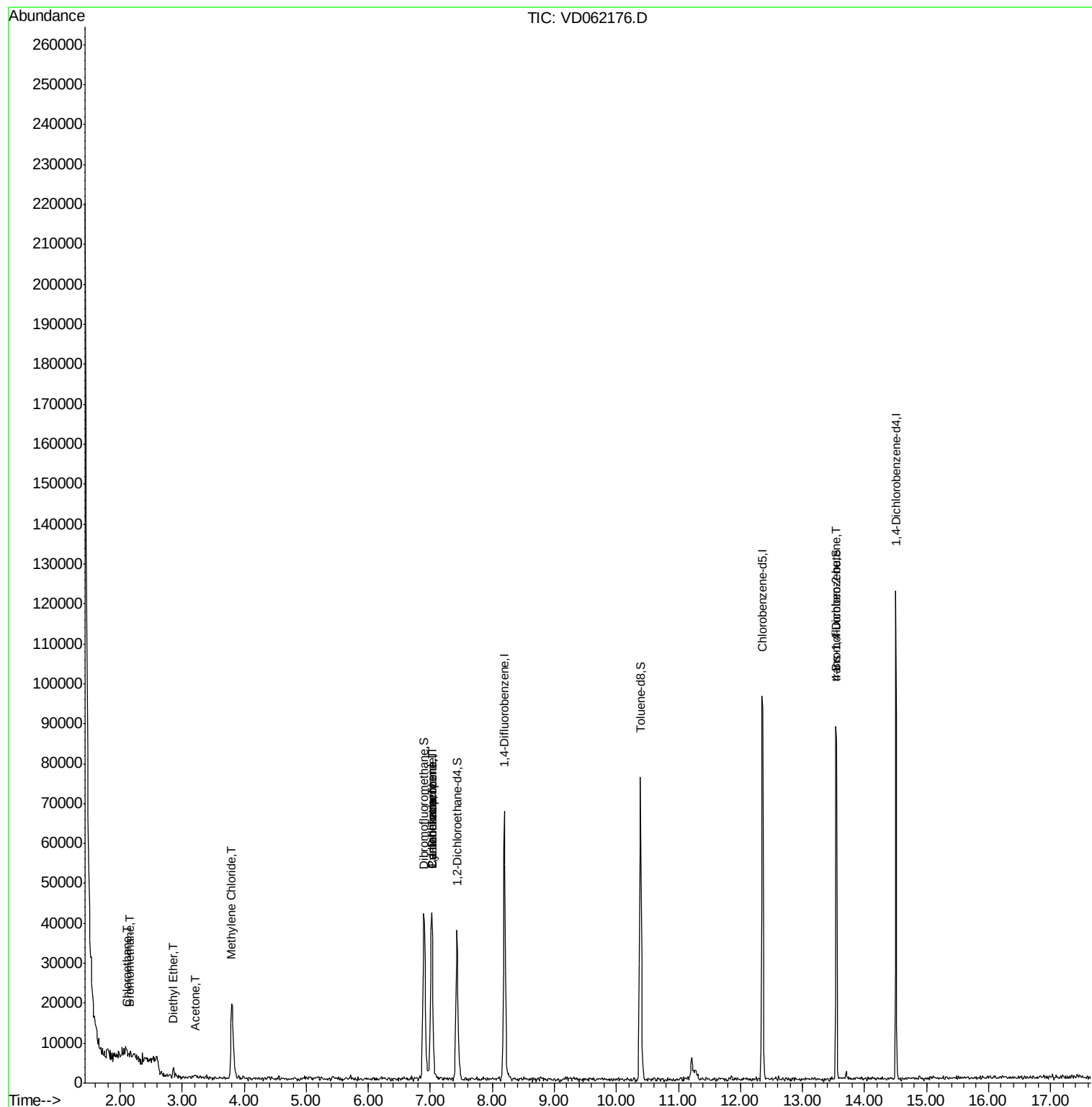
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	726	10.315	ug/l #	12
6) Chloroethane	2.12	64	210	1.666	ug/l #	43
8) Diethyl Ether	2.86	74	487	4.324	ug/l	67
16) Acetone	3.20	43	1856	21.534	ug/l #	50
20) Methylene Chloride	3.81	84	14515	40.334	ug/l #	83
31) Cyclohexane	7.01	56	455	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	3030	5.021	ug/l #	40
38) Carbon Tetrachloride	7.03	117	4404	5.273	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.54	75	11689	123.112	ug/l #	16

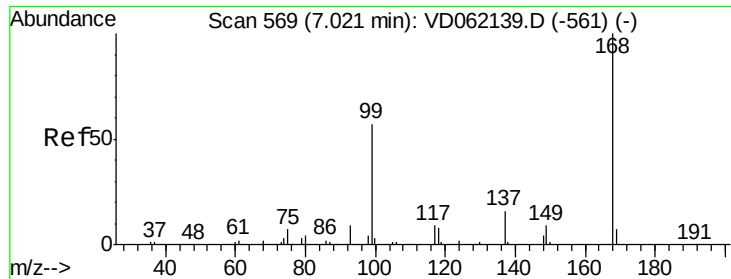
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD062176.D

Acq: 8 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

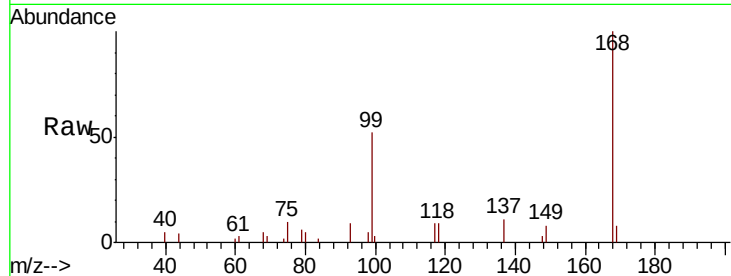
SB-05-1.5-2.0RE

Tot Ion:168 Resp: 44225

Ion Ratio Lower Upper

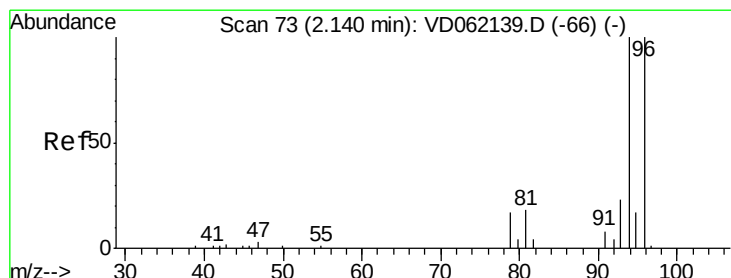
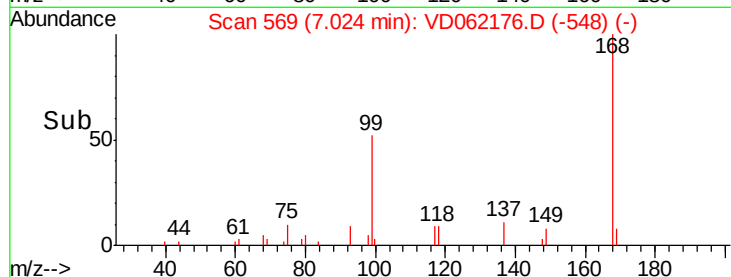
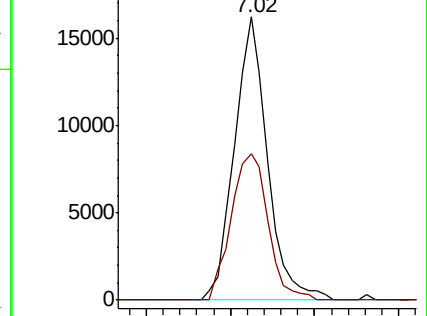
168 100

99 51.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 10.315 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062176.D

Acq: 8 May 2019 16:10

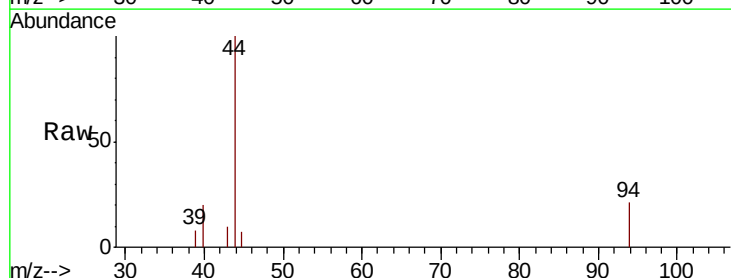
Tgt Ion: 94 Resp: 726

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

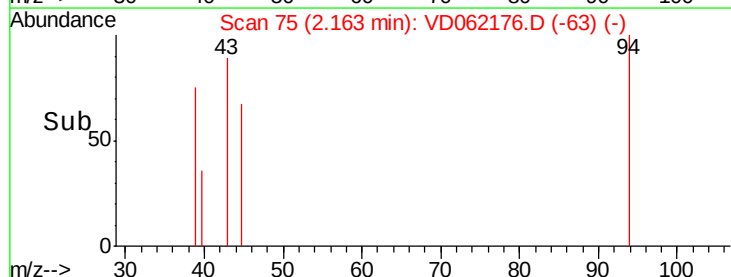
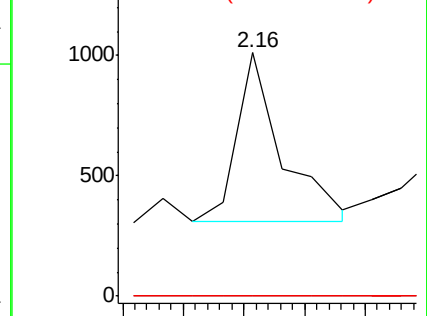
93 0.0 18.5 27.7#

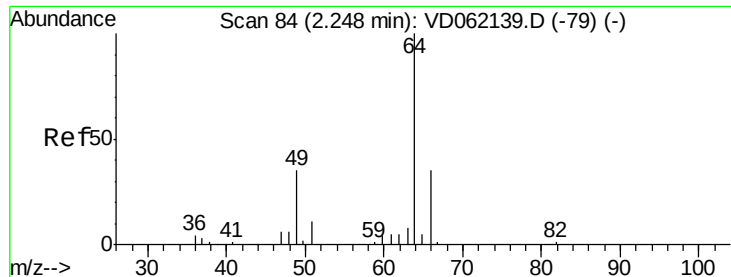


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC





#6

Chloroethane

Concen: 1.666 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.13 min

Lab File: VD062176.D

Acq: 8 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

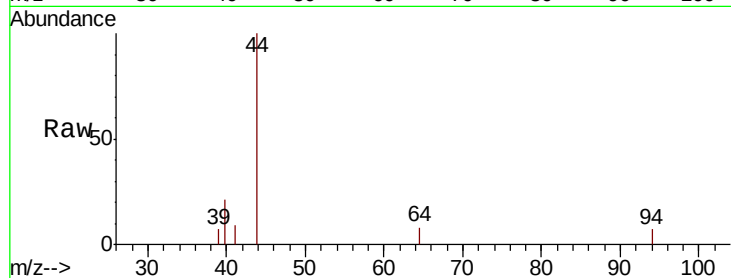
SB-05-1.5-2.0RE

Tot Ion: 64 Resp: 210

Ion Ratio Lower Upper

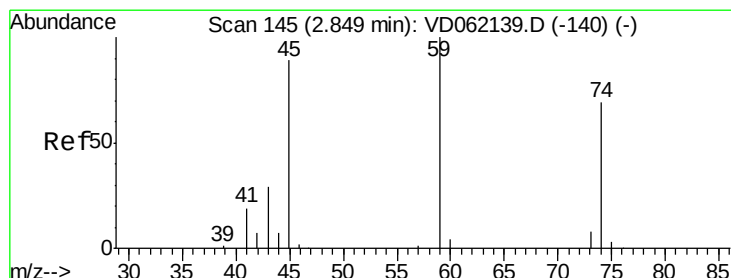
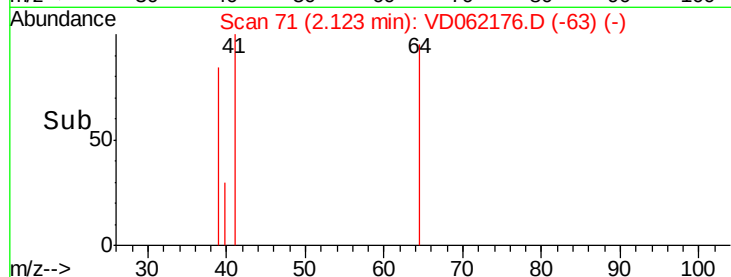
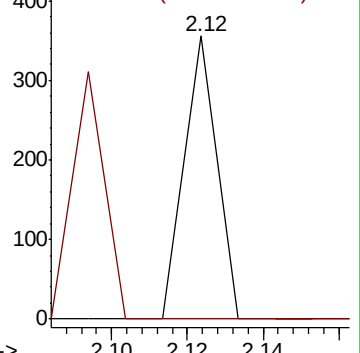
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Diethyl Ether

Concen: 4.324 ug/l

RT: 2.86 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD062176.D

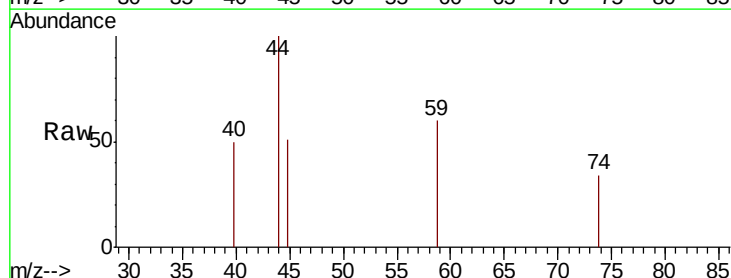
Acq: 8 May 2019 16:10

Tgt Ion: 74 Resp: 487

Ion Ratio Lower Upper

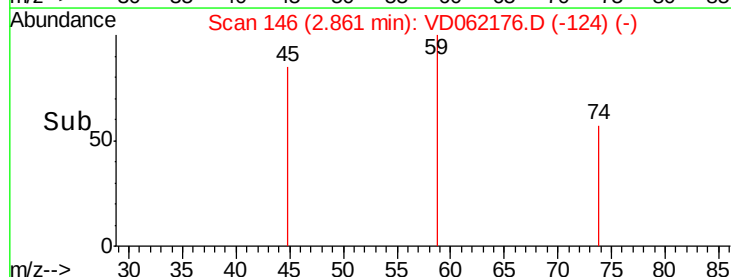
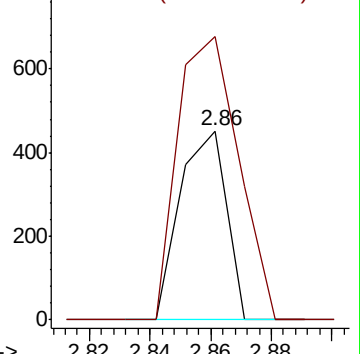
74 100

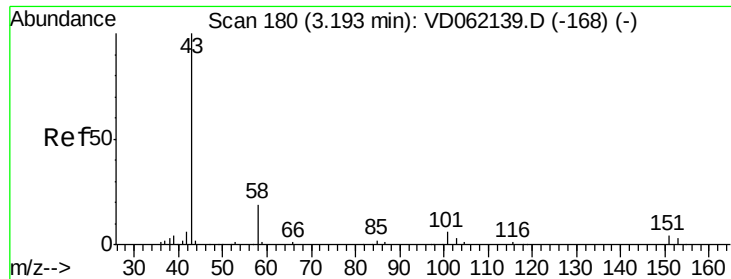
45 149.8 56.9 170.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 21.534 ug/l

RT: 3.20 min Scan# 180

Delta R.T. 0.00 min

Lab File: VD062176.D

Acq: 8 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

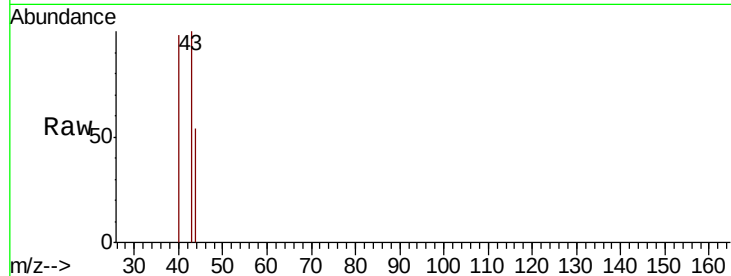
SB-05-1.5-2.0RE

Tot Ion: 43 Resp: 1856

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.20

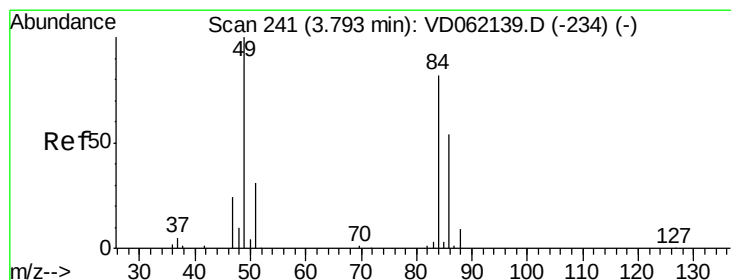
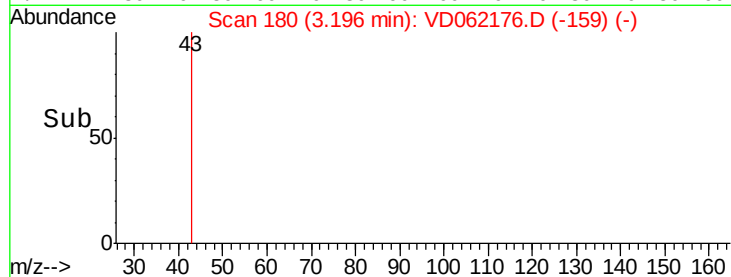
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 40.334 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD062176.D

Acq: 8 May 2019 16:10

Tgt Ion: 84 Resp: 14515

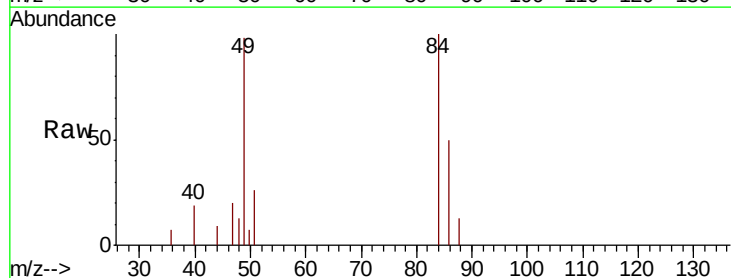
Ion Ratio Lower Upper

84 100

49 98.2 94.0 141.0

51 26.4 29.0 43.4#

86 50.4 49.8 74.6



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

8000

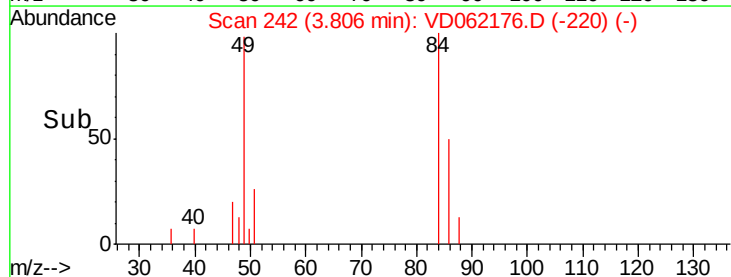
6000

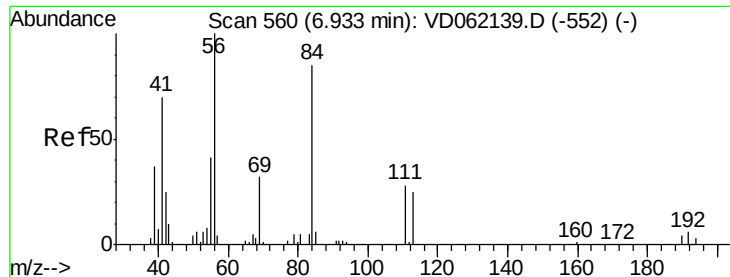
4000

2000

0

Time-->

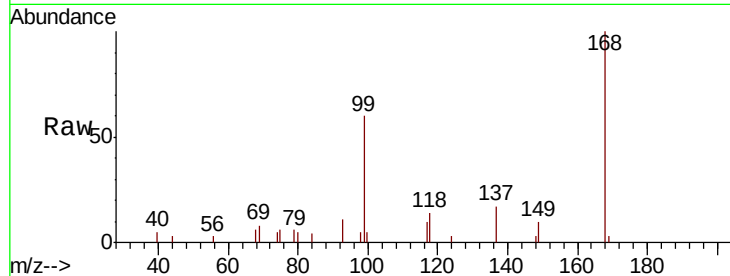




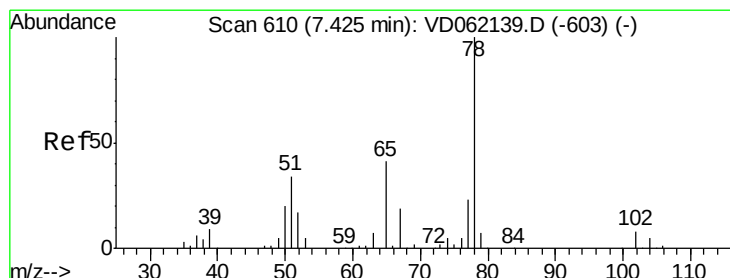
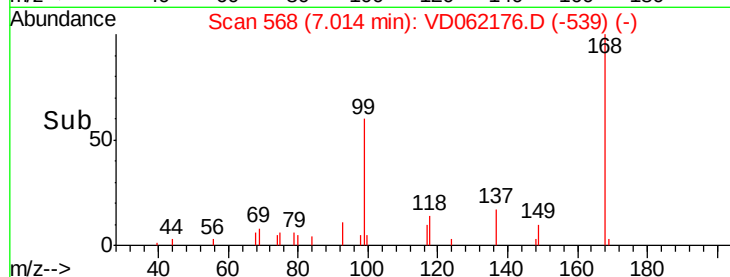
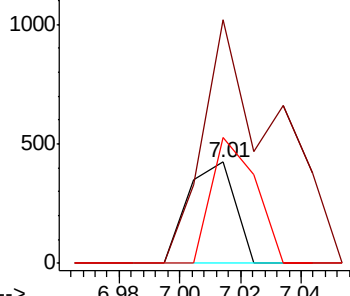
#31
Cyclohexane
Concen: 1.055 ug/l
RT: 7.01 min Scan# 568
Delta R.T. 0.08 min
Lab File: VD062176.D
Acq: 8 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
SB-05-1.5-2.0RE

Tot Ion: 56 Resp: 455
Ion Ratio Lower Upper
56 100
69 241.1 25.8 38.6#
84 124.8 72.2 108.4#

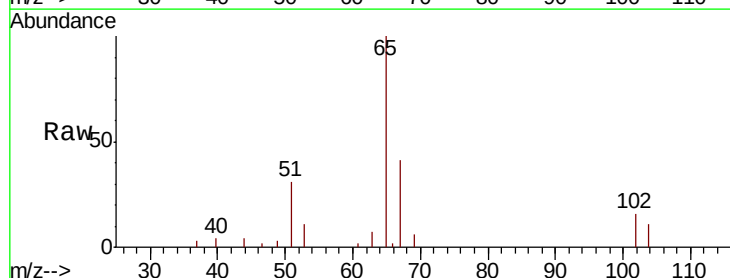


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

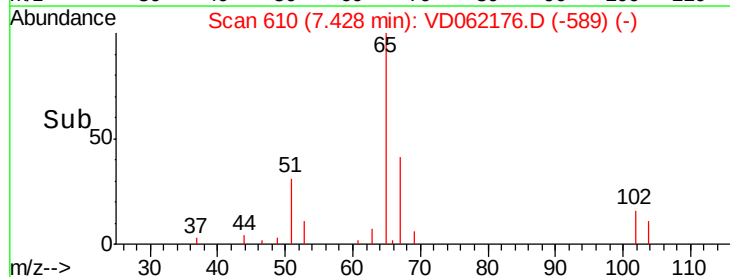
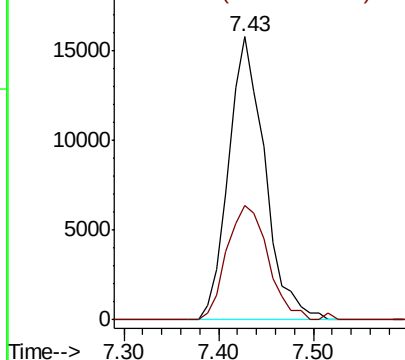


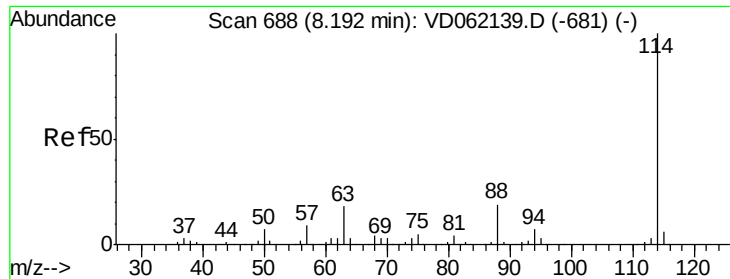
#33
1,2-Dichloroethane-d4
Concen: 101.996 ug/l
RT: 7.43 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD062176.D
Acq: 8 May 2019 16:10

Tgt Ion: 65 Resp: 41919
Ion Ratio Lower Upper
65 100
67 40.6 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

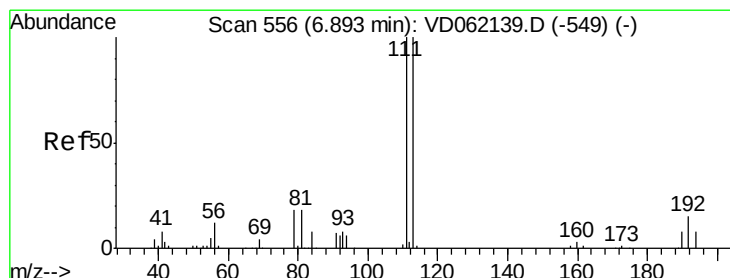
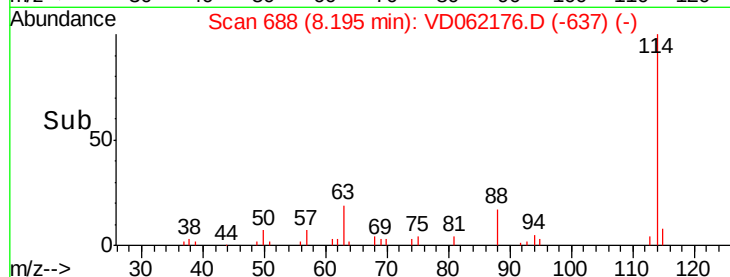
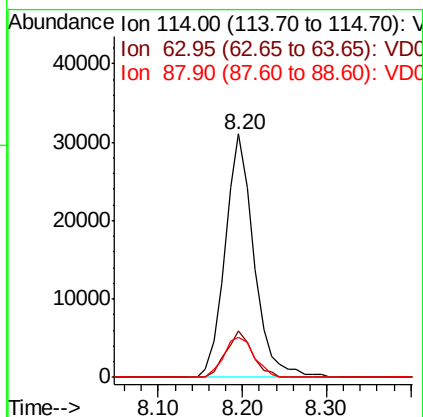
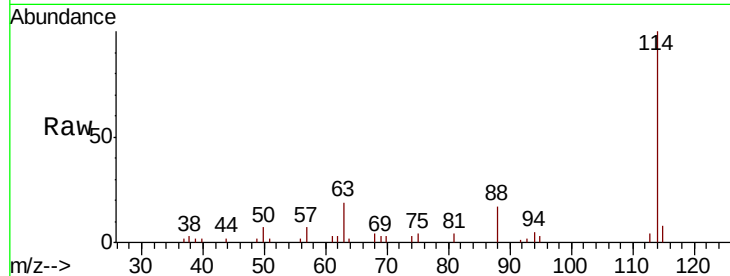




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD062176.D
 Acq: 8 May 2019 16:10

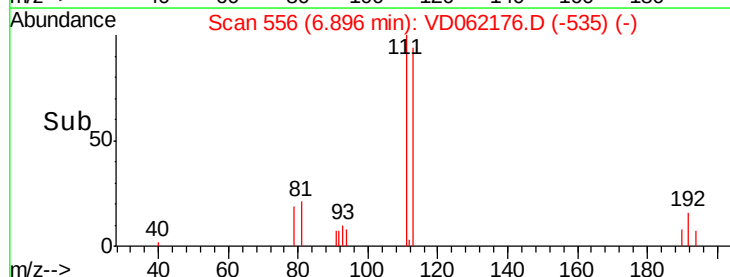
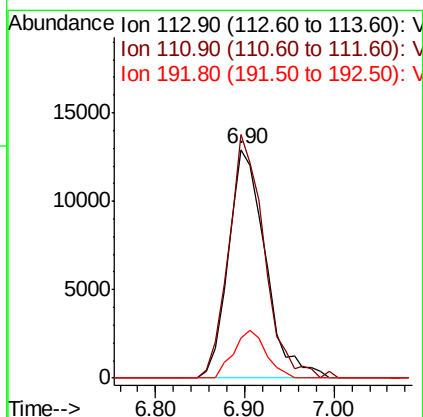
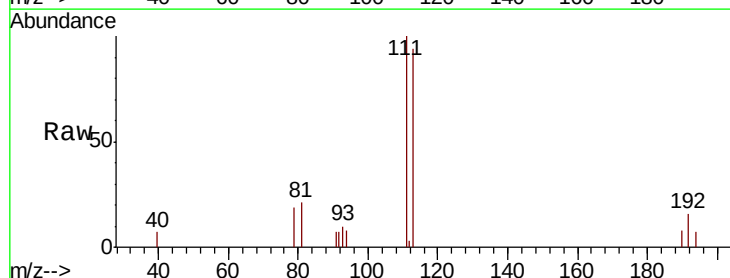
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-1.5-2.0RE

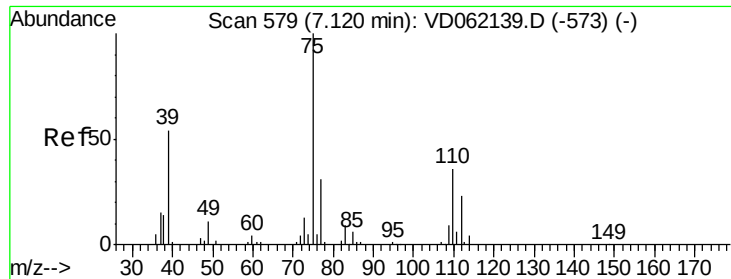
Tot Ion:114 Resp: 73595
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 32.4
 88 16.6 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 61.455 ug/l
 RT: 6.90 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: VD062176.D
 Acq: 8 May 2019 16:10

Tgt Ion:113 Resp: 37526
 Ion Ratio Lower Upper
 113 100
 111 106.5 78.5 117.7
 192 17.3 13.0 19.4

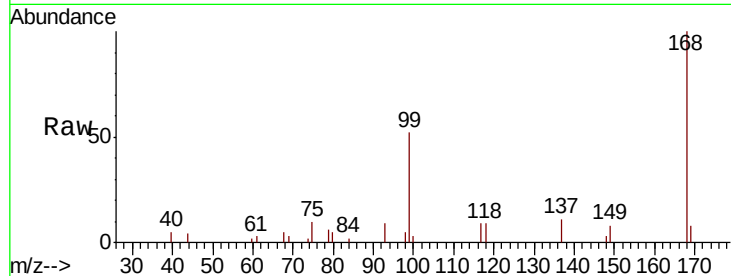




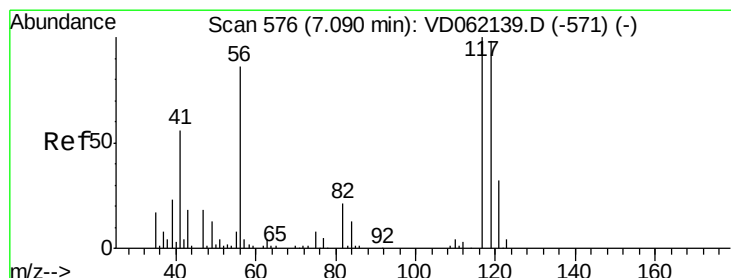
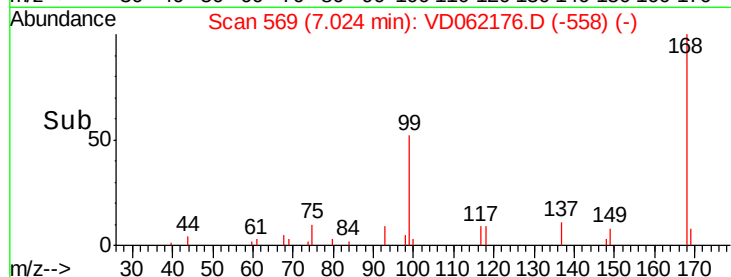
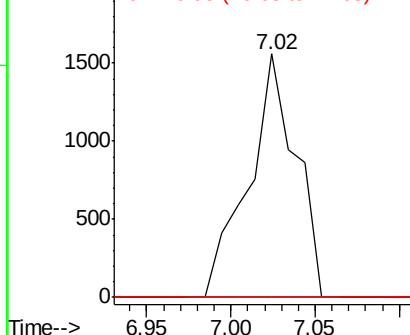
#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.02 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD062176.D
 Acq: 8 May 2019 16:10

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-1.5-2.0RE

Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.1#
77	0.0	25.6	38.4#

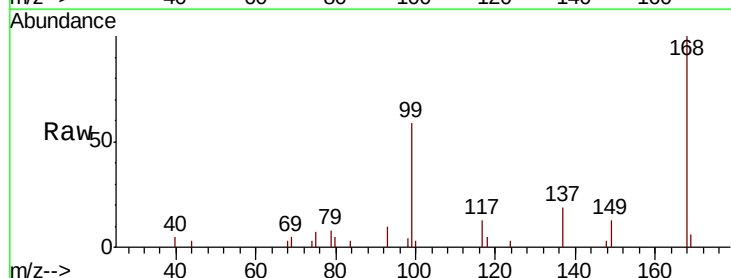


Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): V

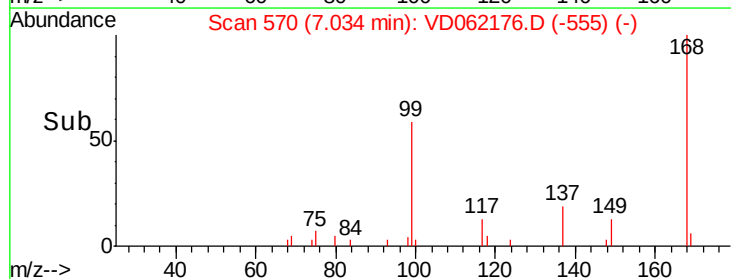
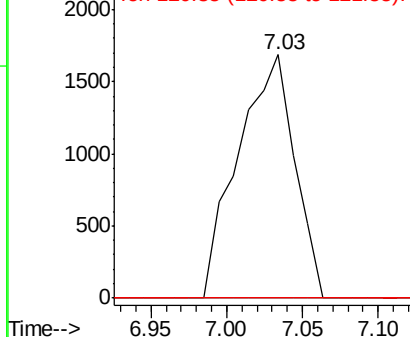


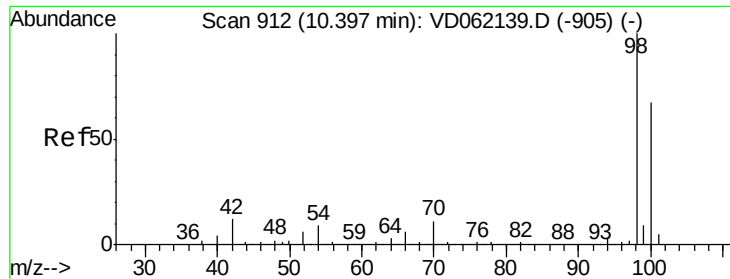
#38
 Carbon Tetrachloride
 Concen: 5.273 ug/l
 RT: 7.03 min Scan# 570
 Delta R.T. -0.06 min
 Lab File: VD062176.D
 Acq: 8 May 2019 16:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
121	0.0	25.9	38.9#



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

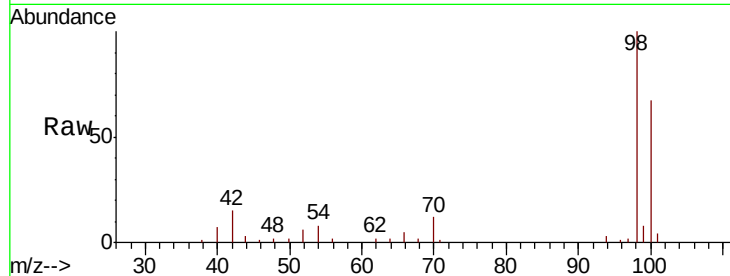




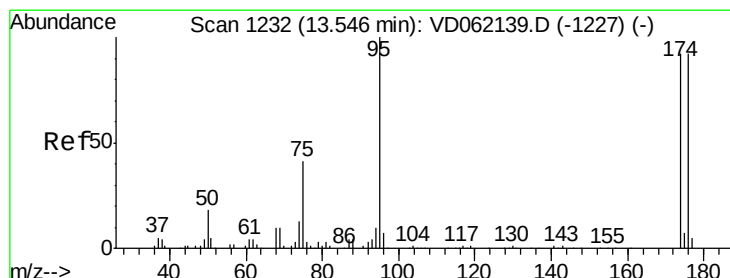
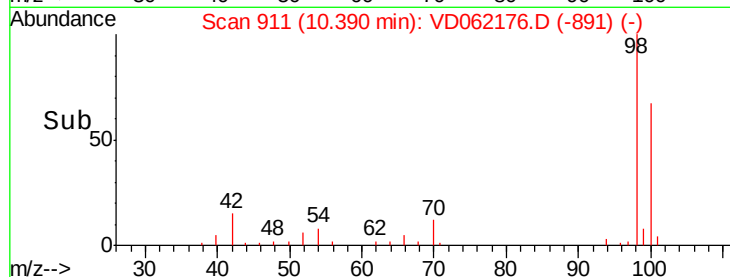
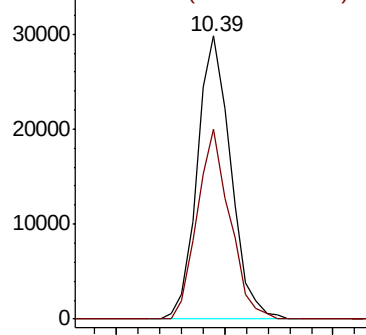
#50
Toluene-d8
Concen: 43.591 ug/l
RT: 10.39 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD062176.D
Acq: 8 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
SB-05-1.5-2.0RE

Tot Ion: 98 Resp: 64177
Ion Ratio Lower Upper
98 100
100 67.1 53.8 80.8

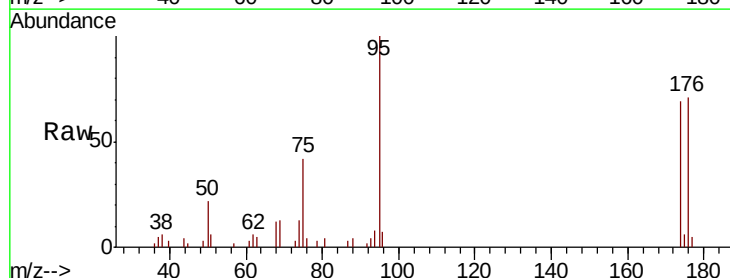


Abundance Ion 98.05 (97.75 to 98.75): VD062139.D (-905) (-)
Ion 100.05 (99.75 to 100.75): VD062139.D (-905) (-)

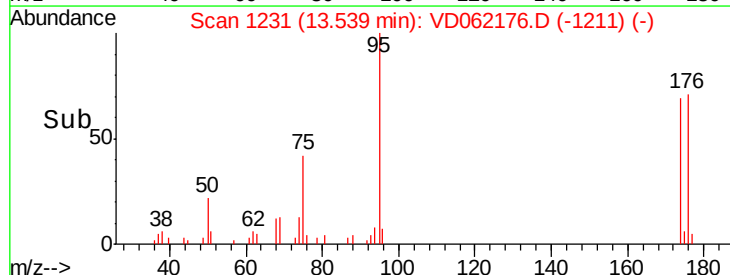
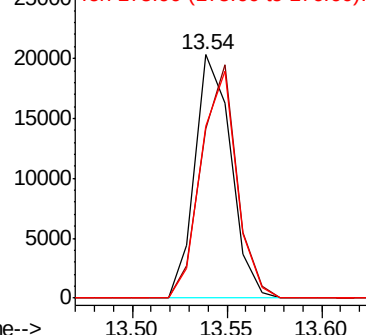


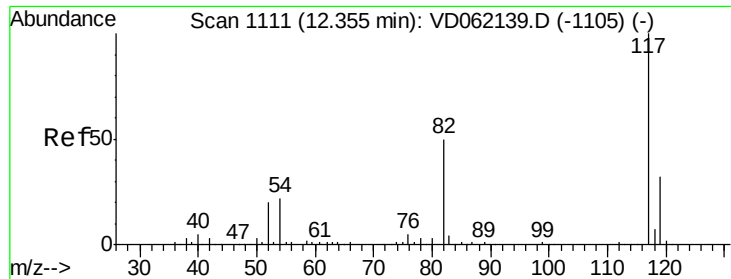
#62
4-Bromofluorobenzene
Concen: 45.052 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD062176.D
Acq: 8 May 2019 16:10

Tgt Ion: 95 Resp: 26635
Ion Ratio Lower Upper
95 100
174 69.4 0.0 181.8
176 70.8 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD062139.D (-1227) (-)
Ion 173.90 (173.60 to 174.60): VD062139.D (-1227) (-)
Ion 175.90 (175.60 to 176.60): VD062139.D (-1227) (-)

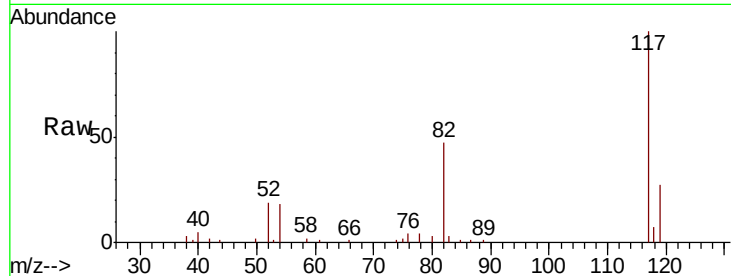




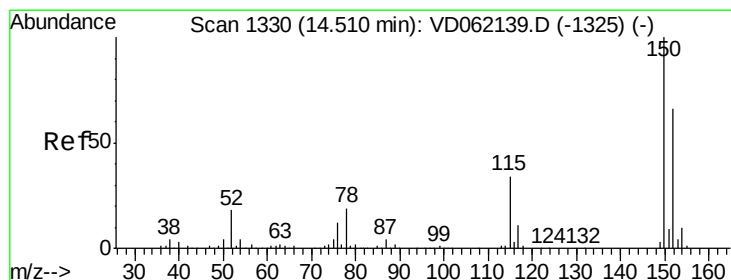
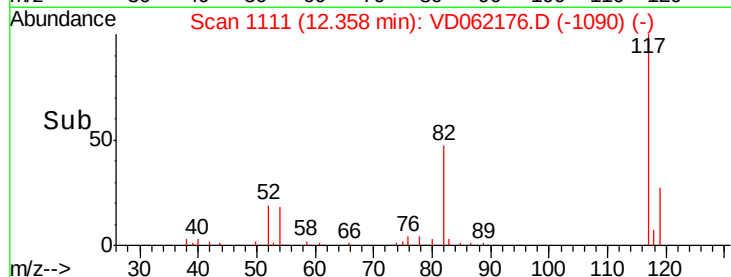
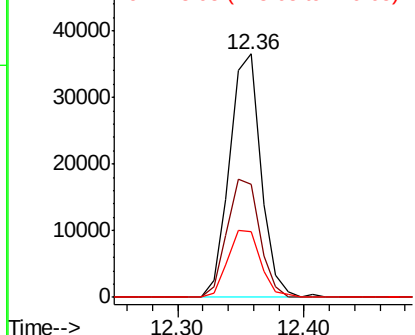
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD062176.D
Acq: 8 May 2019 16:10

Instrument :
MSVOA_D
ClientSampleId :
SB-05-1.5-2.0RE

Tot Ion:117 Resp: 62620
Ion Ratio Lower Upper
117 100
82 46.5 36.2 54.2
119 26.8 26.2 39.4

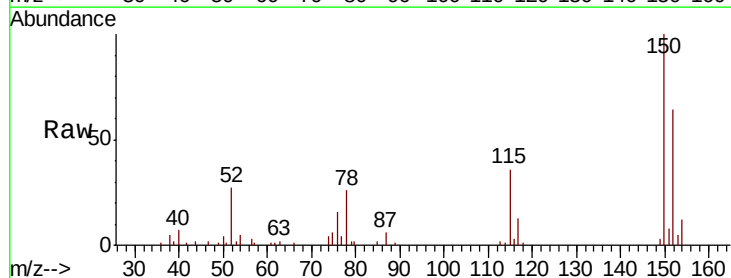


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

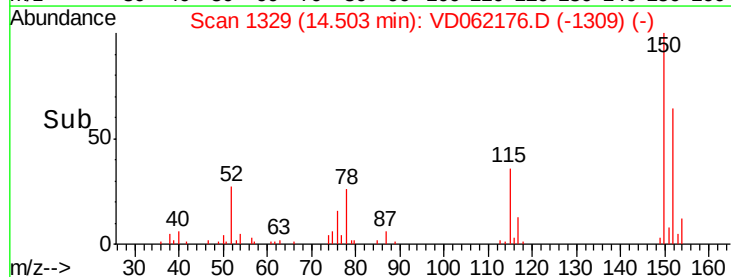
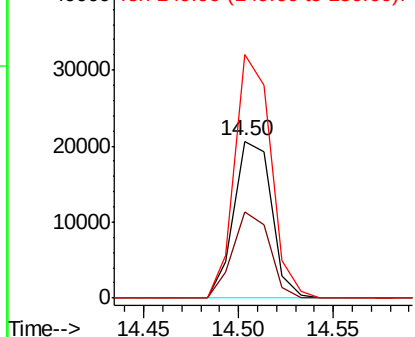


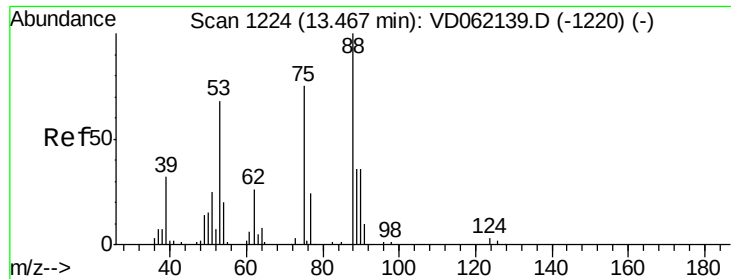
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD062176.D
Acq: 8 May 2019 16:10

Tgt Ion:152 Resp: 28300
Ion Ratio Lower Upper
152 100
115 55.3 30.9 92.7
150 155.4 0.0 314.8



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: 123.112 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.07 min

Lab File: VD062176.D

Acq: 8 May 2019 16:10

Instrument :

MSVOA_D

ClientSampleId :

SB-05-1.5-2.0RE

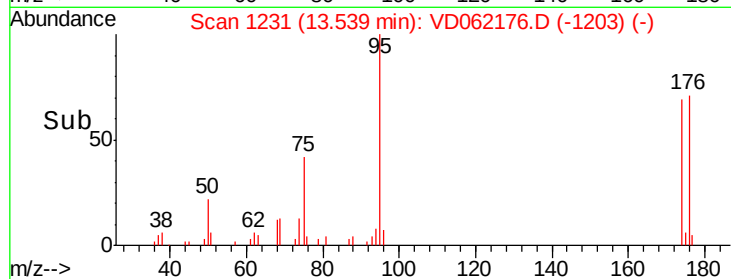
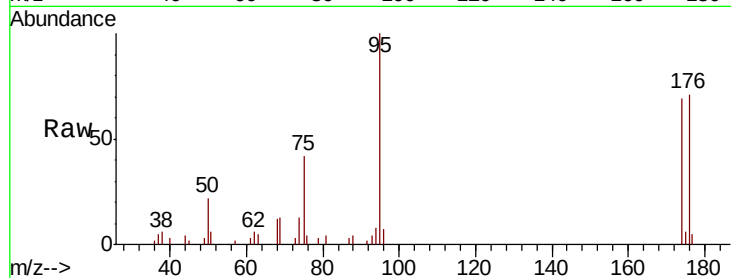
Tot Ion: 75 Resp: 11689

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

