

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121718\
 Data File : VD060612.D
 Acq On : 17 Dec 2018 21:13
 Operator : VA/AP
 Sample : J6445-07
 Misc : 4.76g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB05_12-14

Quant Time: Dec 18 11:19:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1315294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	1873180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1544578	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	786162	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	518338	55.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.20%	
35) Dibromofluoromethane	6.34	113	711009	51.68	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.36%	
50) Toluene-d8	9.47	98	2063949	51.84	ug/l	0.01
Spiked Amount 50.000			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.44	95	705424	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	

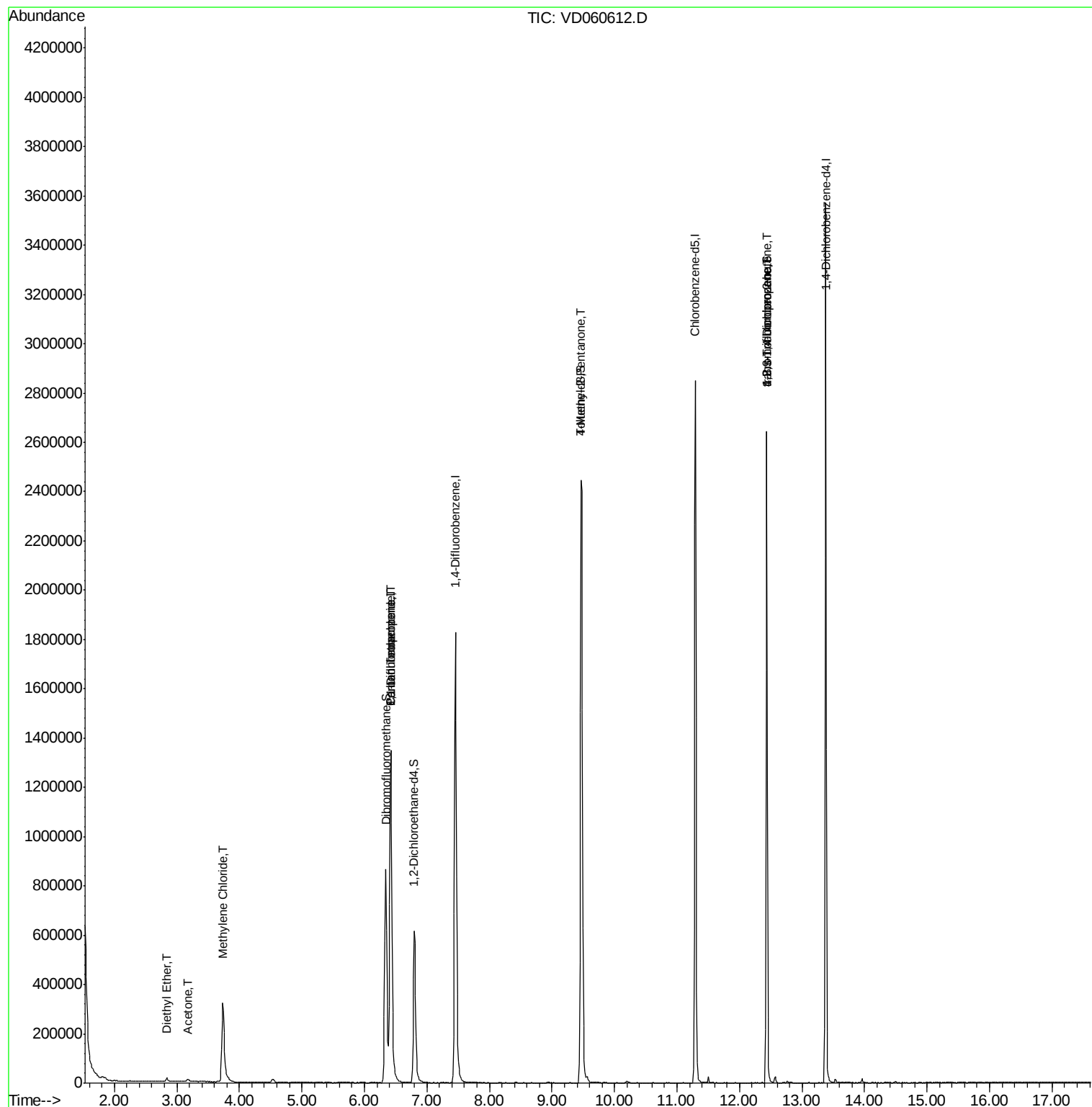
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.83	74	5349	2.487	ug/l	58
16) Acetone	3.18	43	20619	13.798	ug/l	100
20) Methylene Chloride	3.74	84	217898	12.528	ug/l	94
31) Cyclohexane	6.41	56	24731	Below Cal	#	1
36) 1,1-Dichloropropene	6.42	75	94894	5.183	ug/l #	48
38) Carbon Tetrachloride	6.42	117	100133	6.092	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	11093	1.819	ug/l #	1
76) 1,2,3-Trichloropropane	12.44	75	283971	31.879	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	298885	120.305	ug/l #	14
89) n-Butylbenzene	13.66	91	193	Below Cal	#	29

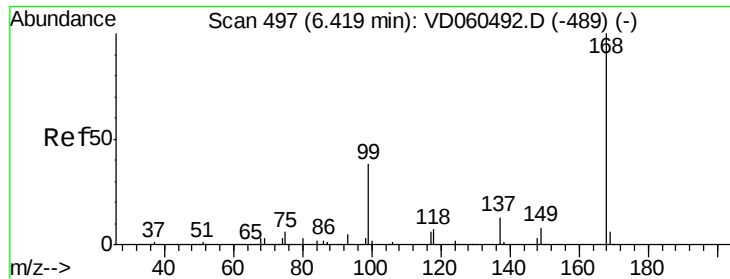
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 18 11:19:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060612.D

Acq: 17 Dec 2018 21:13

Instrument :

MSVOA_D

ClientSampleId :

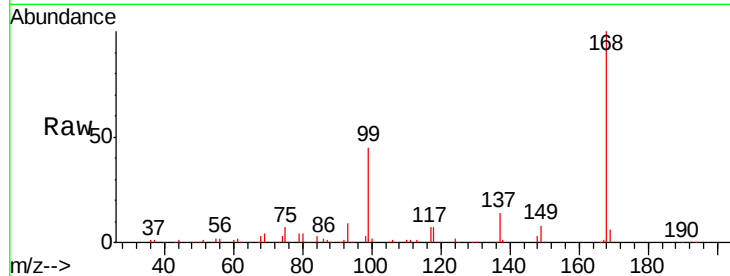
EB05_12-14

Tgt Ion:168 Resp: 1315294

Ion Ratio Lower Upper

168 100

99 44.7 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

500000

400000

300000

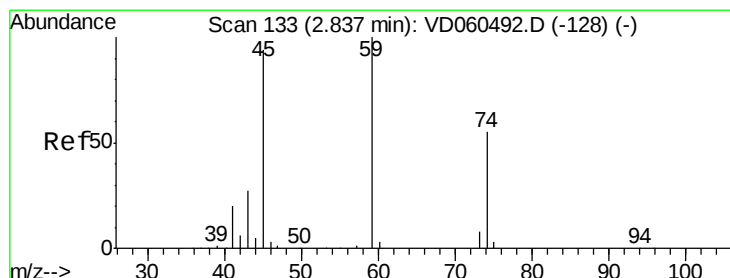
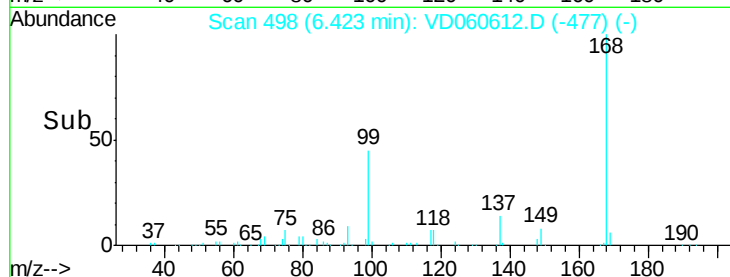
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#8

Diethyl Ether

Concen: 2.487 ug/l

RT: 2.83 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD060612.D

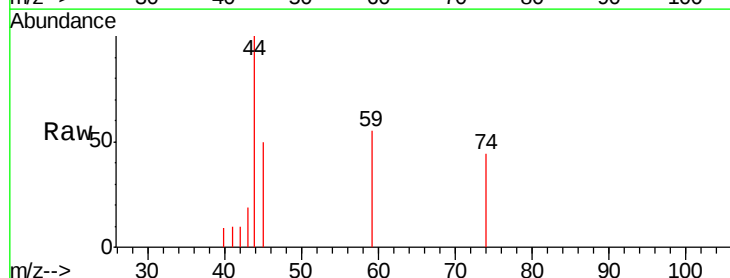
Acq: 17 Dec 2018 21:13

Tgt Ion: 74 Resp: 5349

Ion Ratio Lower Upper

74 100

45 114.2 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.83

4000

3000

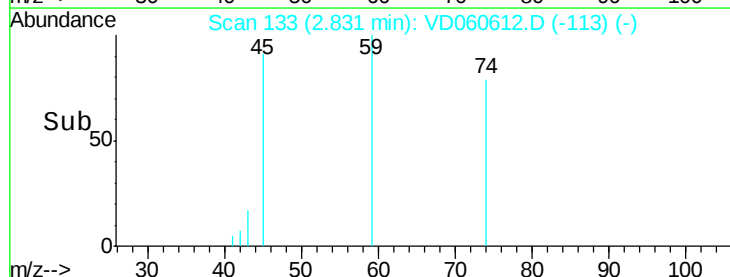
2000

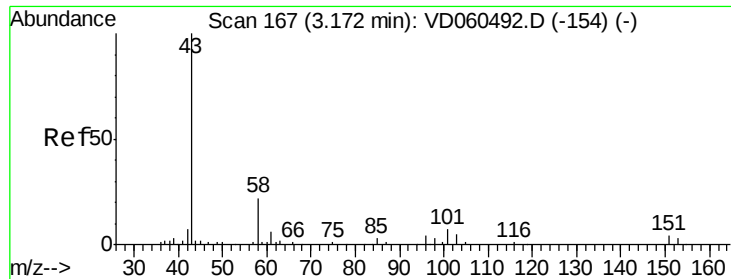
1000

0

2.80 2.85 2.90

Time-->





#16

Acetone

Concen: 13.798 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD060612.D

Acq: 17 Dec 2018 21:13

Instrument :

MSVOA_D

ClientSampleId :

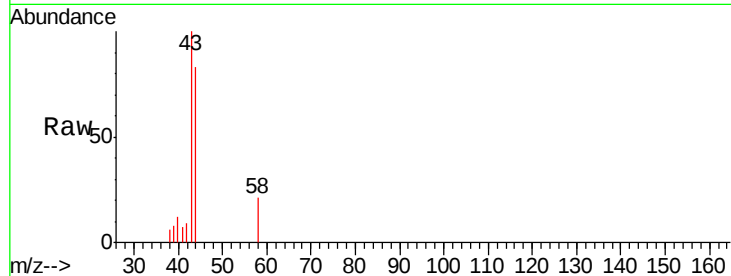
EB05_12-14

Tgt Ion: 43 Resp: 20619

Ion Ratio Lower Upper

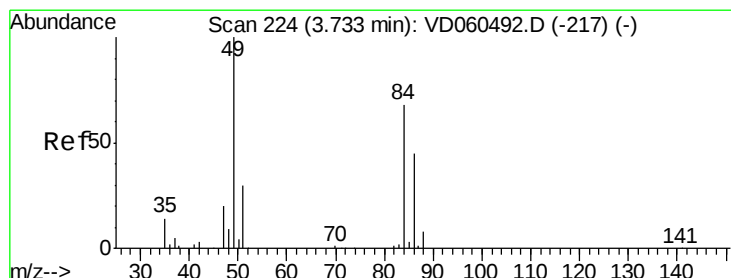
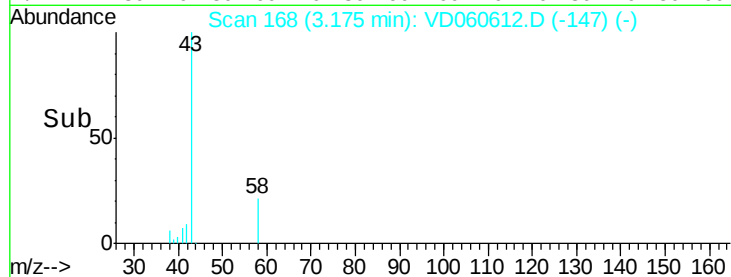
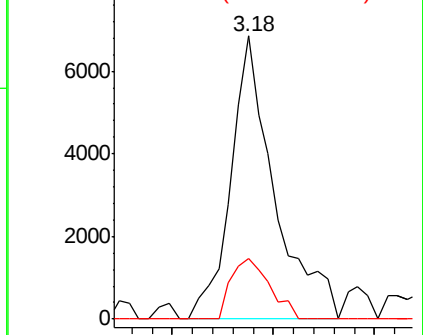
43 100

58 21.4 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 12.528 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD060612.D

Acq: 17 Dec 2018 21:13

Tgt Ion: 84 Resp: 217898

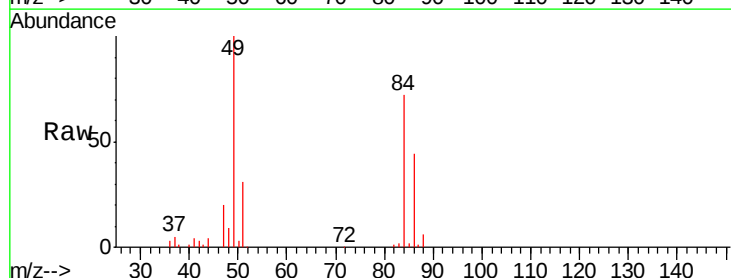
Ion Ratio Lower Upper

84 100

49 138.7 117.2 175.8

51 42.7 35.3 52.9

86 61.4 53.2 79.8

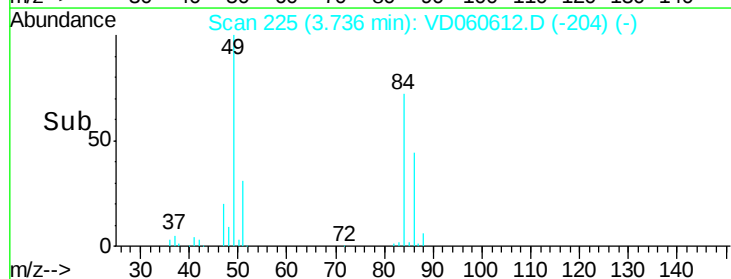
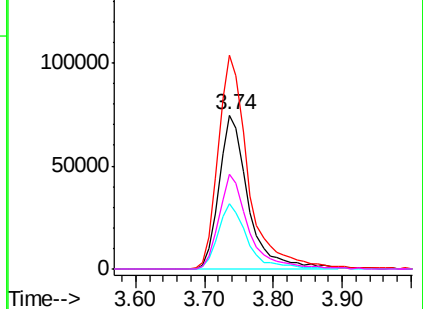


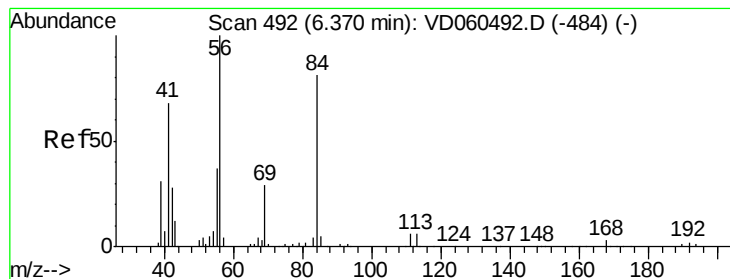
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: Below Cal

RT: 6.41 min Scan# 497

Delta R.T. 0.04 min

Lab File: VD060612.D

Acq: 17 Dec 2018 21:13

Instrument :

MSVOA_D

ClientSampleId :

EB05_12-14

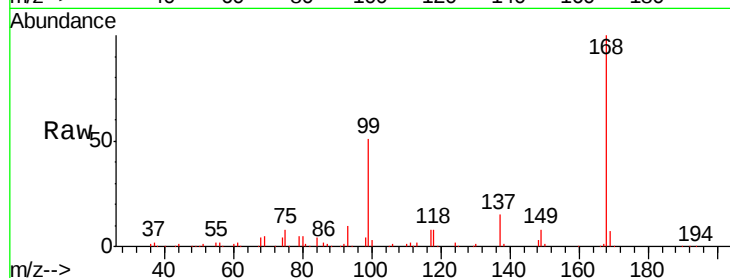
Tgt Ion: 56 Resp: 24731

Ion Ratio Lower Upper

56 100

69 223.9 22.8 34.2#

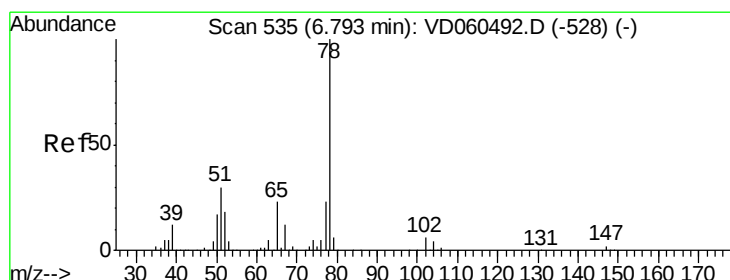
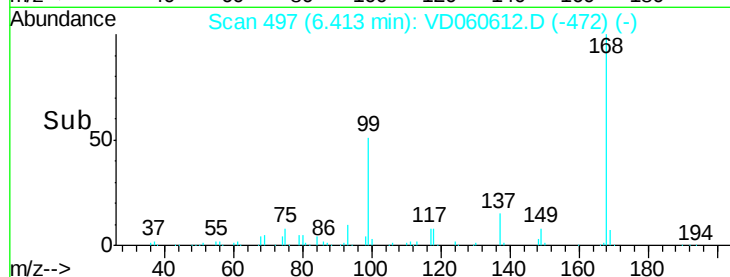
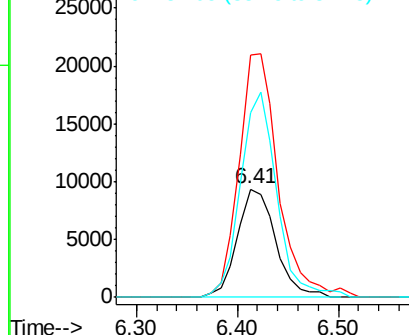
84 170.9 65.1 97.7#



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: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060612.D

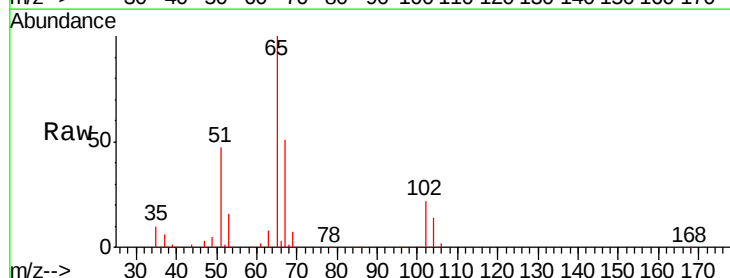
Acq: 17 Dec 2018 21:13

Tgt Ion: 65 Resp: 518338

Ion Ratio Lower Upper

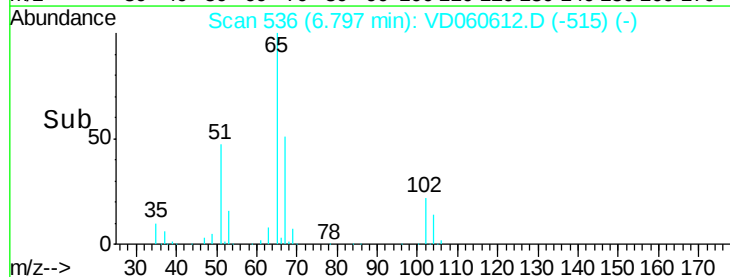
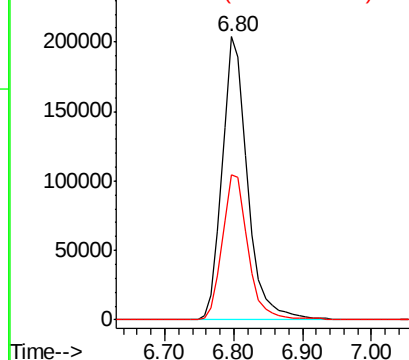
65 100

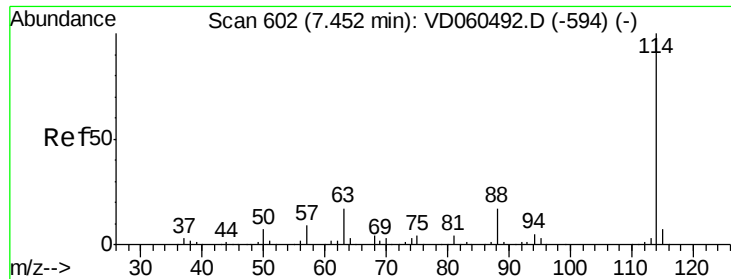
67 51.2 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

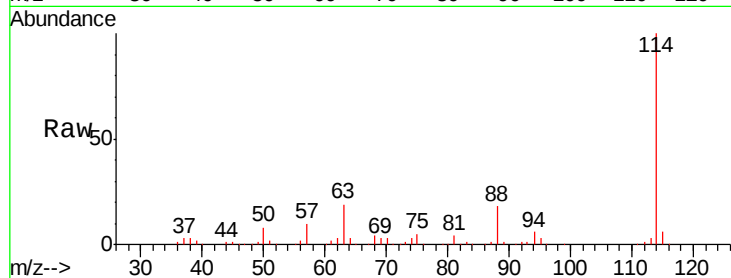




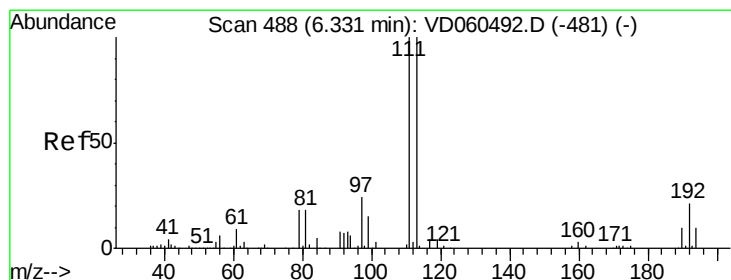
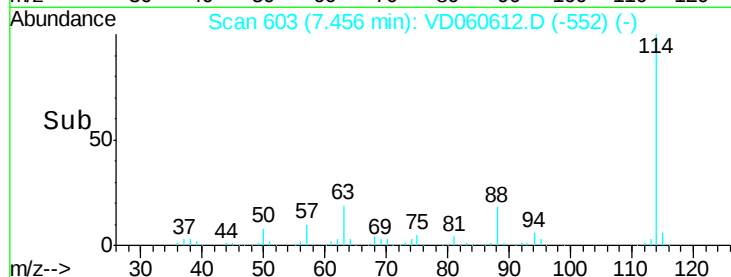
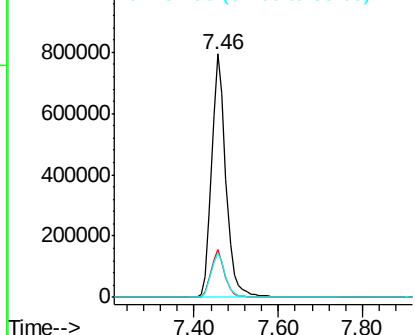
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VD060612.D
 Acq: 17 Dec 2018 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 EB05_12-14

Tgt Ion:114 Resp: 1873180
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 34.2
 88 18.1 0.0 35.0

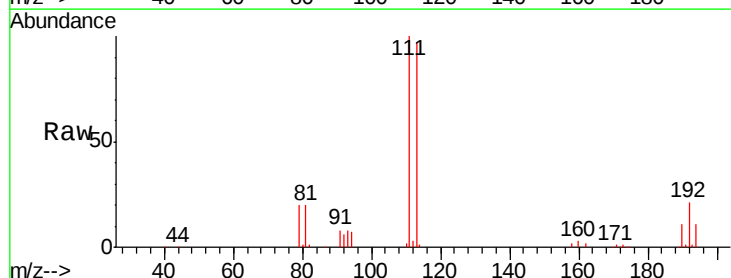


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

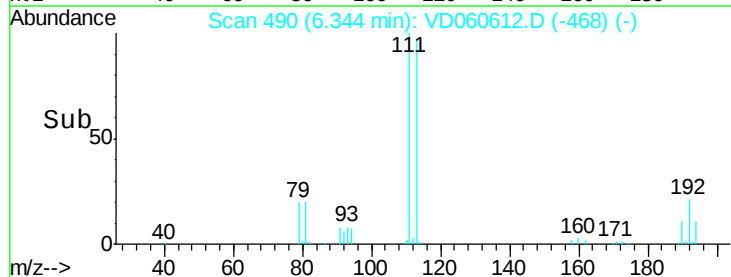
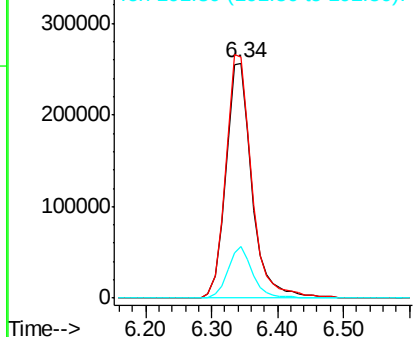


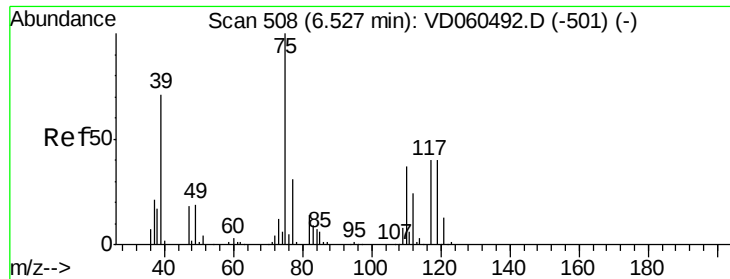
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060612.D
 Acq: 17 Dec 2018 21:13

Tgt Ion:113 Resp: 711009
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.2 120.4
 192 21.9 16.6 24.8



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

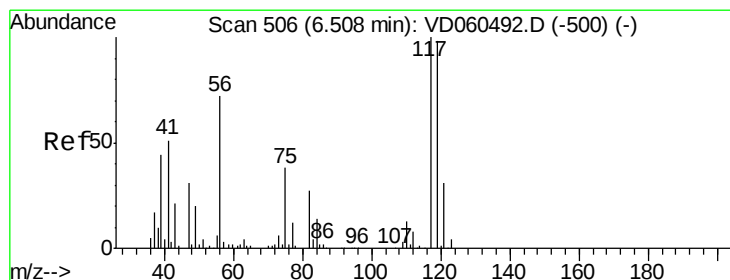
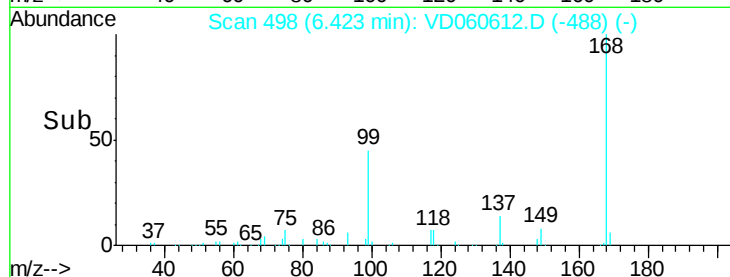
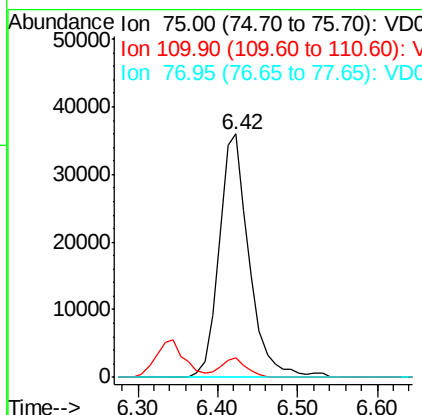
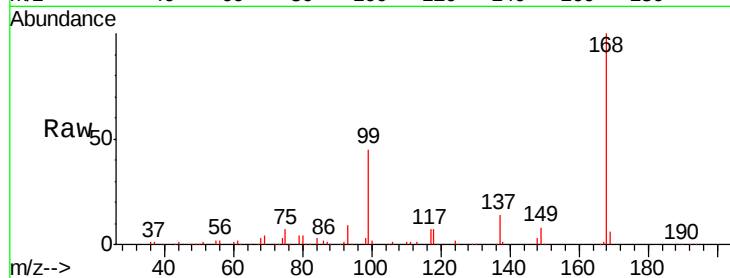




#36
 1,1-Dichloropropene
 Concen: 5.183 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.10 min
 Lab File: VD060612.D
 Acq: 17 Dec 2018 21:13

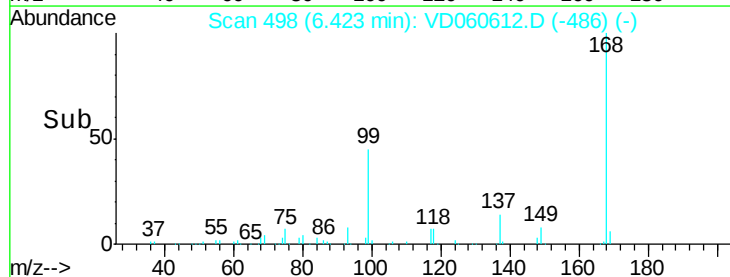
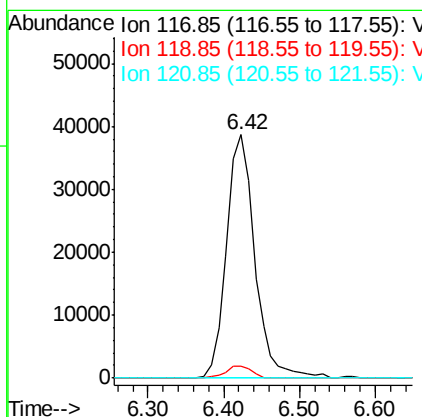
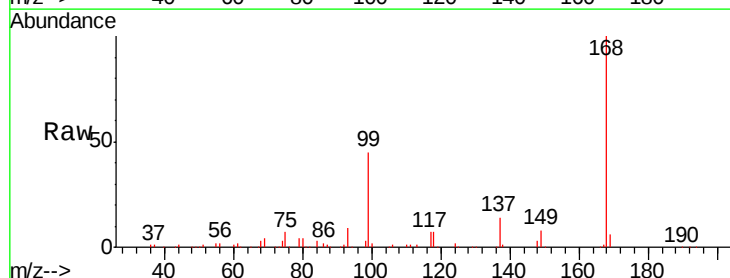
Instrument :
 MSVOA_D
 ClientSampleId :
 EB05_12-14

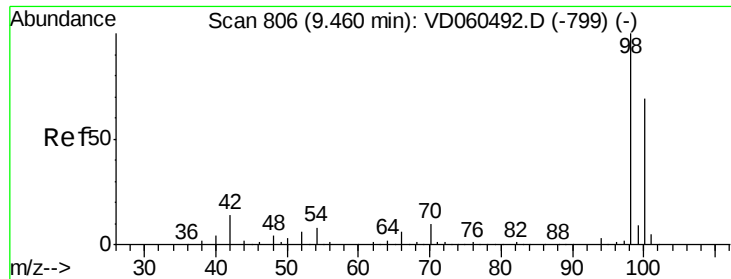
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.3	54.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 6.092 ug/l
 RT: 6.42 min Scan# 498
 Delta R.T. -0.08 min
 Lab File: VD060612.D
 Acq: 17 Dec 2018 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.8	115.2#
121	0.0	24.4	36.6#

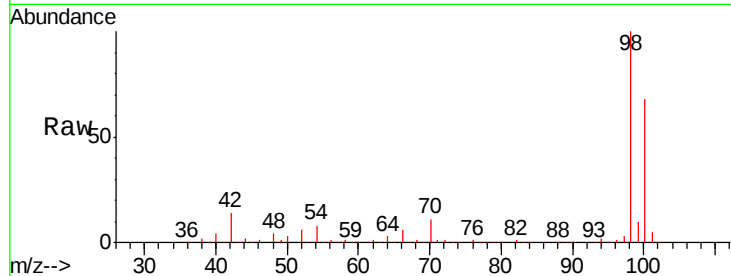




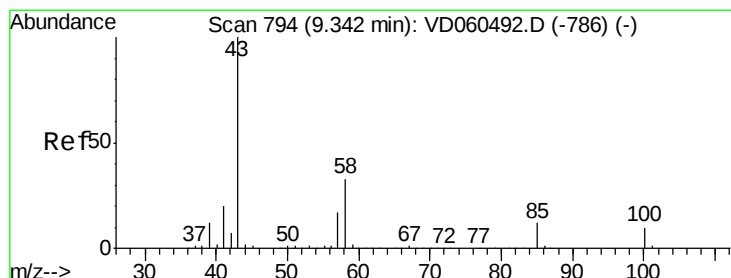
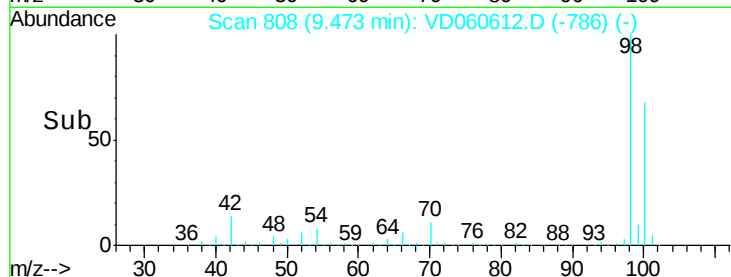
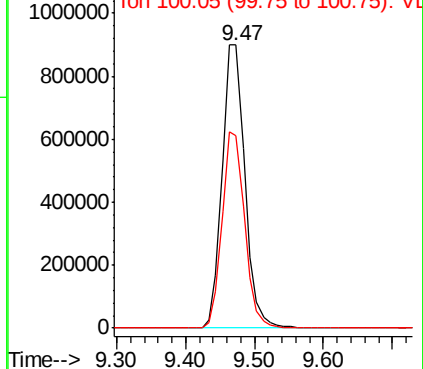
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060612.D
Acq: 17 Dec 2018 21:13

Instrument :
MSVOA_D
ClientSampleId :
EB05_12-14

Tgt Ion: 98 Resp: 2063949
Ion Ratio Lower Upper
98 100
100 68.1 55.7 83.5

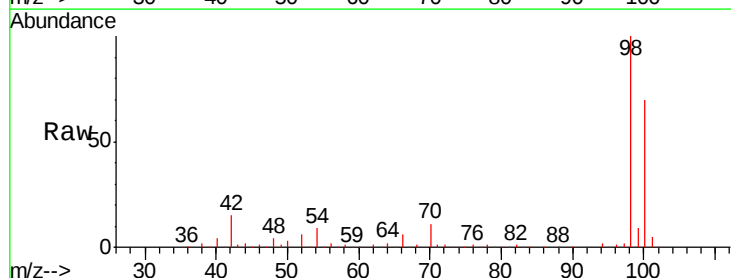


Abundance Ion 98.05 (97.75 to 98.75): VD060612.D (-799) (-)
Ion 100.05 (99.75 to 100.75): VD060612.D (-799) (-)

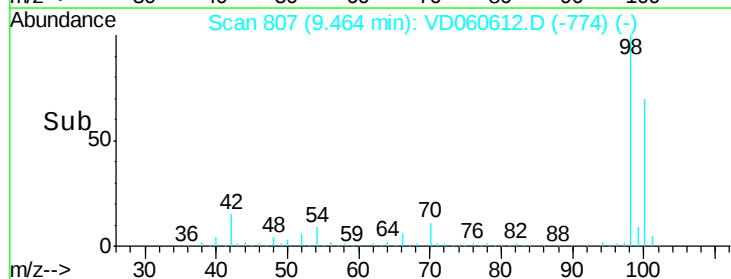
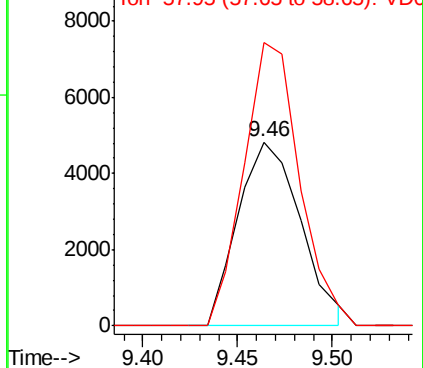


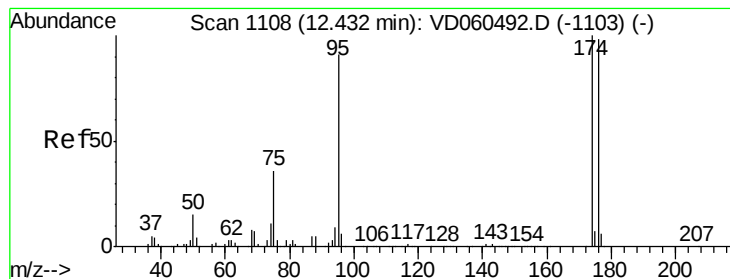
#51
4-Methyl-2-Pentanone
Concen: 1.819 ug/l
RT: 9.46 min Scan# 807
Delta R.T. 0.12 min
Lab File: VD060612.D
Acq: 17 Dec 2018 21:13

Tgt Ion: 43 Resp: 11093
Ion Ratio Lower Upper
43 100
58 153.8 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VD060612.D (-774) (-)
Ion 57.95 (57.65 to 58.65): VD060612.D (-774) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060612.D

Acq: 17 Dec 2018 21:13

Instrument :

MSVOA_D

ClientSampleId :

EB05_12-14

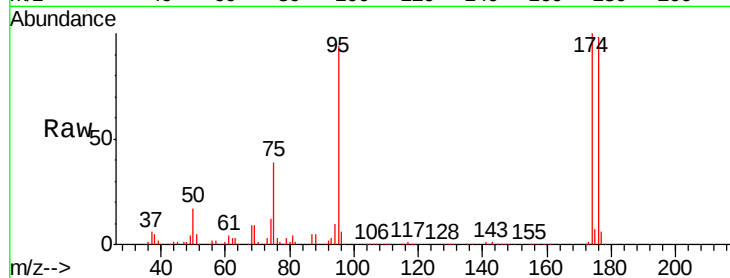
Tgt Ion: 95 Resp: 705424

Ion Ratio Lower Upper

95 100

174 105.9 0.0 219.4

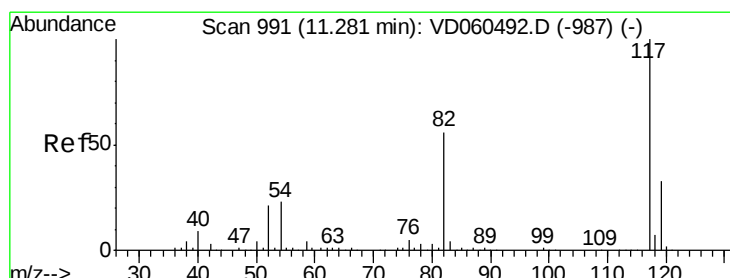
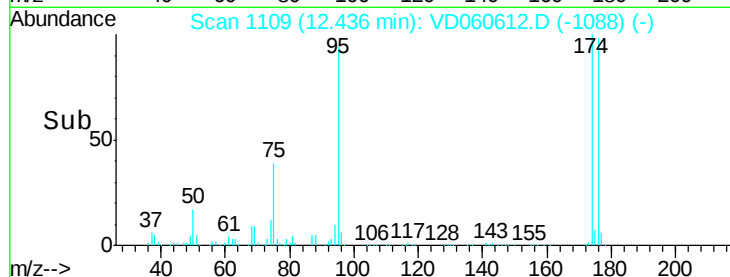
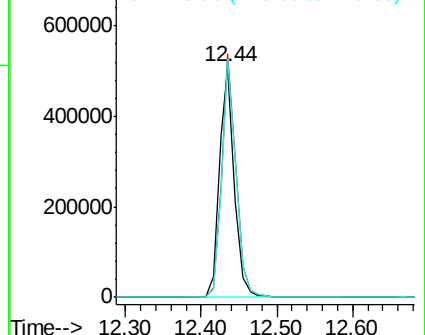
176 103.9 0.0 214.6



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: 11.29 min Scan# 993

Delta R.T. 0.01 min

Lab File: VD060612.D

Acq: 17 Dec 2018 21:13

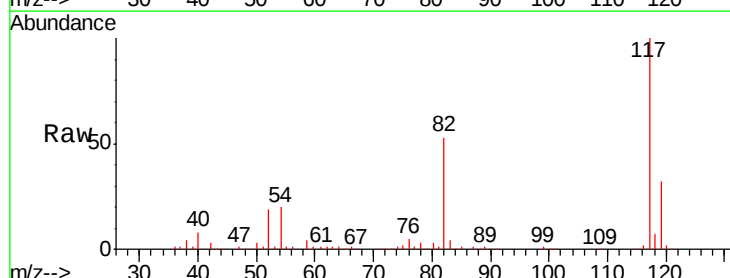
Tgt Ion: 117 Resp: 1544578

Ion Ratio Lower Upper

117 100

82 53.5 45.2 67.8

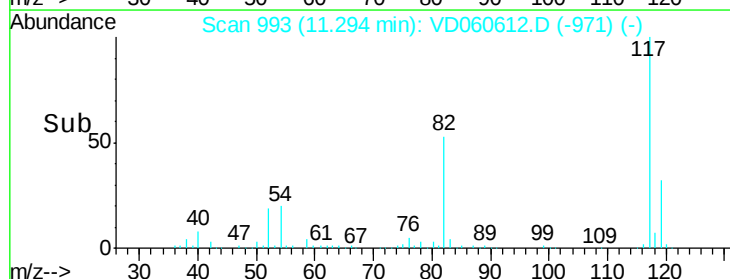
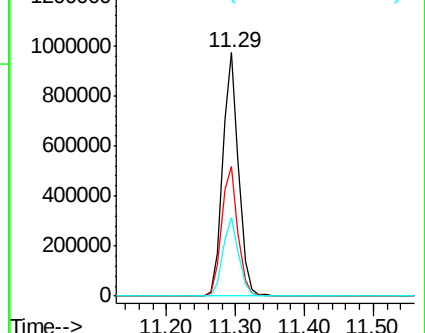
119 32.5 26.1 39.1

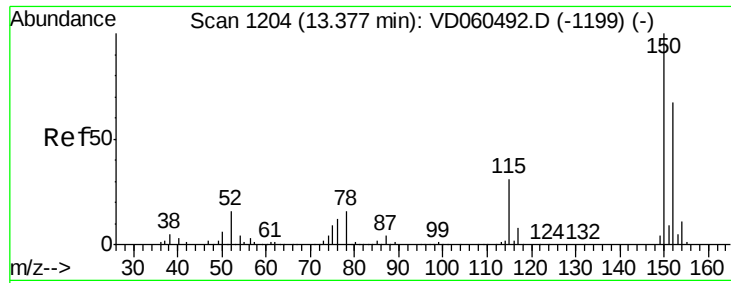


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

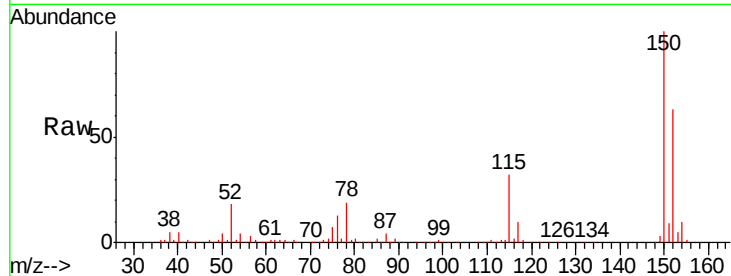




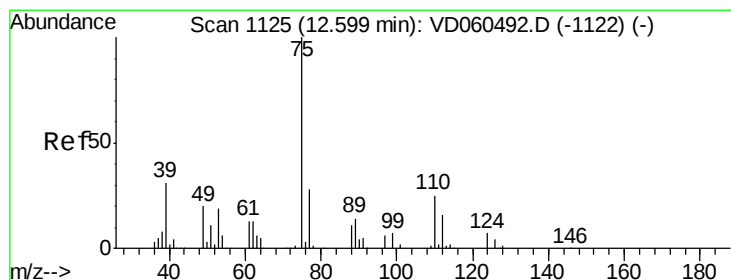
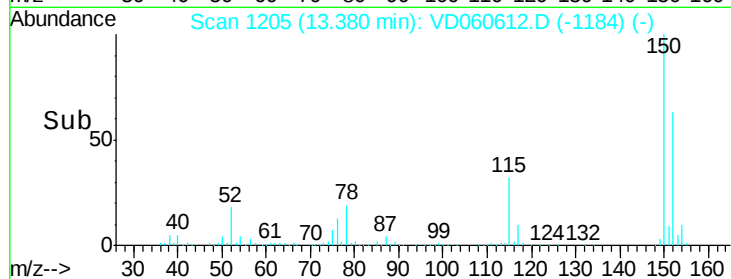
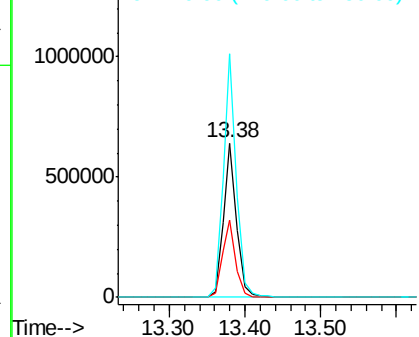
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060612.D
 Acq: 17 Dec 2018 21:13

Instrument :
 MSVOA_D
 ClientSampleId :
 EB05_12-14

Tgt Ion:152 Resp: 786162
 Ion Ratio Lower Upper
 152 100
 115 49.7 24.6 74.0
 150 157.5 0.0 309.0

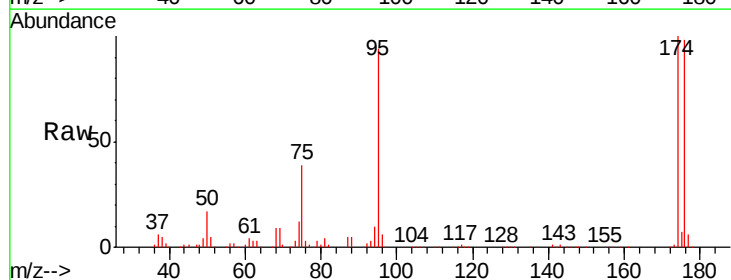


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

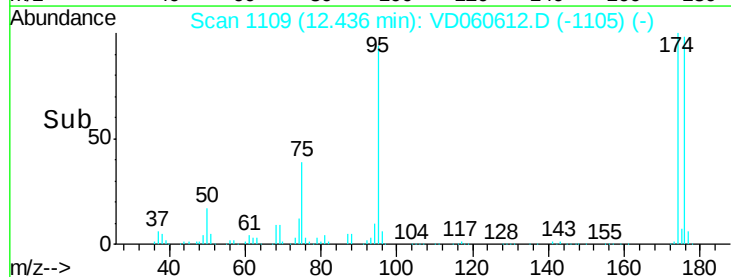
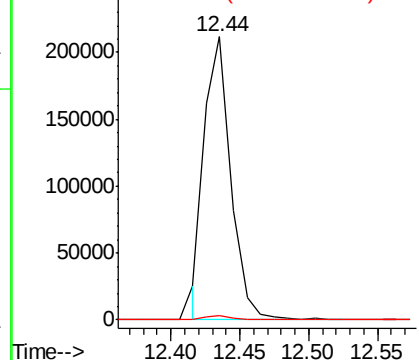


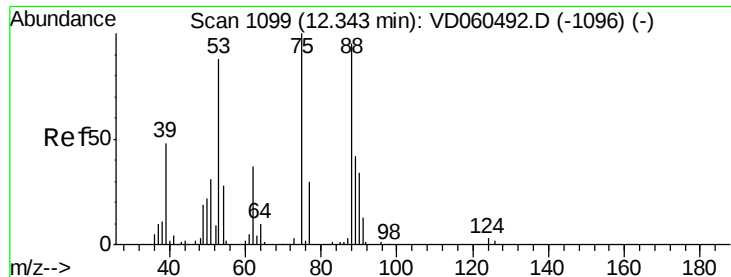
#76
 1,2,3-Trichloropropane
 Concen: 31.879 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.16 min
 Lab File: VD060612.D
 Acq: 17 Dec 2018 21:13

Tgt Ion: 75 Resp: 283971
 Ion Ratio Lower Upper
 75 100
 77 1.5 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 120.305 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060612.D

Acq: 17 Dec 2018 21:13

Instrument :

MSVOA_D

ClientSampleId :

EB05_12-14

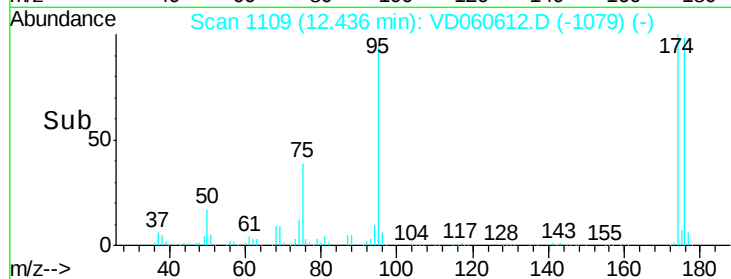
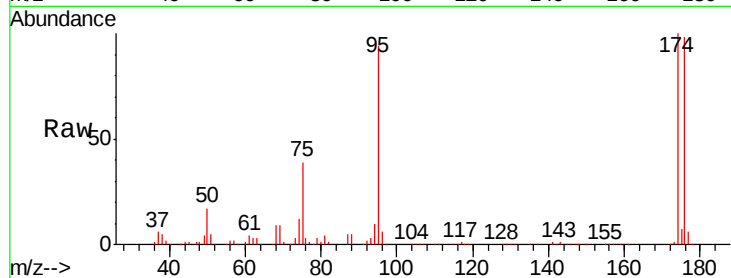
Tgt Ion: 75 Resp: 298885

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

