

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122018\
 Data File : VD060669.D
 Acq On : 20 Dec 2018 20:16
 Operator : VA/AP
 Sample : J6465-03
 Misc : 3.71g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EB03_12-14

Quant Time: Dec 21 03:40:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 03:34:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1543252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2198167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1770310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	890525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	456711	42.82	ug/l	0.00
Spiked Amount			Recovery	=	85.64%	
35) Dibromofluoromethane	6.33	113	654101	40.66	ug/l	0.00
Spiked Amount			Recovery	=	81.32%	
50) Toluene-d8	9.46	98	1724224	35.92	ug/l	0.00
Spiked Amount			Recovery	=	71.84%	
62) 4-Bromofluorobenzene	12.43	95	658951	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	

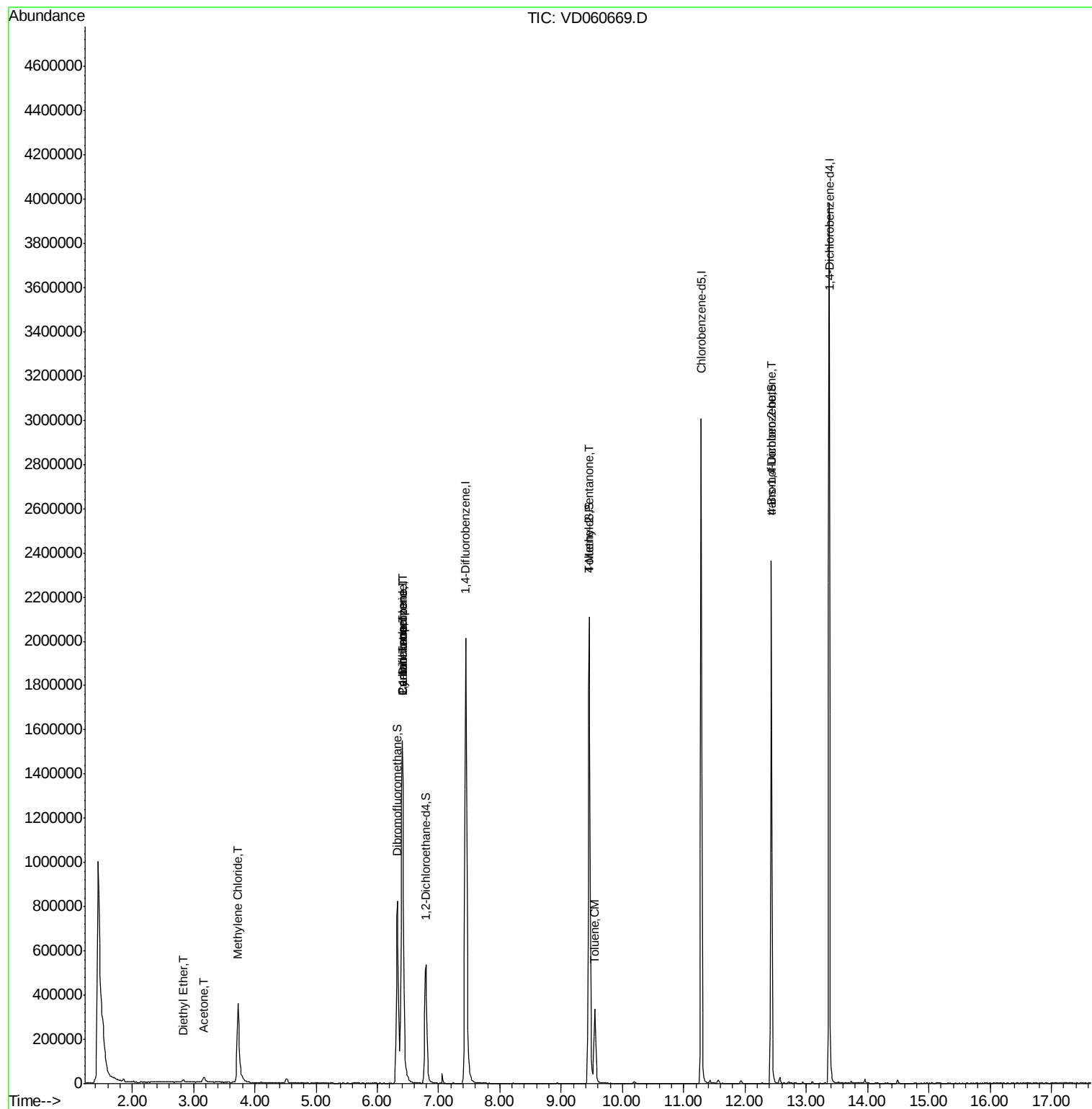
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.83	74	4052	1.511	ug/l	66
16) Acetone	3.17	43	49465	26.559	ug/l	99
20) Methylene Chloride	3.72	84	245392	12.687	ug/l	98
31) Cyclohexane	6.41	56	28262	1.049	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	109122	4.821	ug/l #	45
38) Carbon Tetrachloride	6.41	117	116182	5.818	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	10156	1.365	ug/l #	1
52) Toluene	9.55	92	172315	4.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.43	75	269729	96.280	ug/l #	13

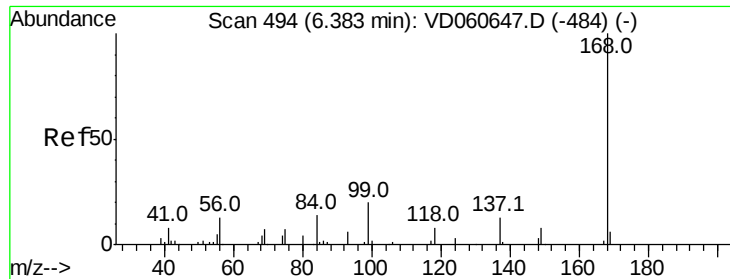
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122018\
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Quant Time: Dec 21 03:40:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 03:34:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.00 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

Instrument :

MSVOA_D

ClientSampleId :

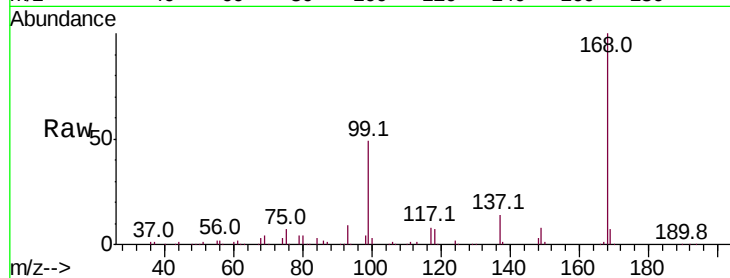
EB03_12-14

Tot Ion:168 Resp: 1543252

Ion Ratio Lower Upper

168 100

99 49.2 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

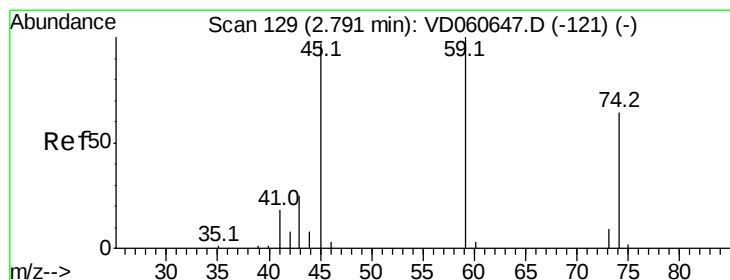
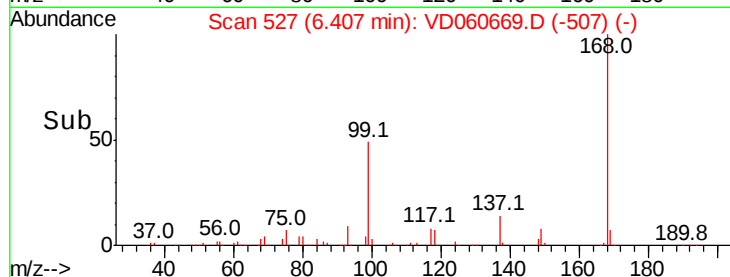
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 1.511 ug/l

RT: 2.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060669.D

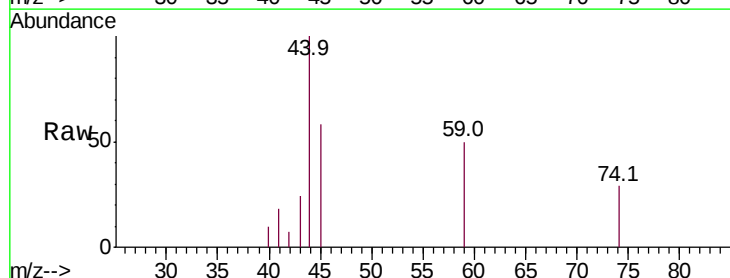
Acq: 20 Dec 2018 20:16

Tgt Ion: 74 Resp: 4052

Ion Ratio Lower Upper

74 100

45 203.6 79.3 238.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.83

4000

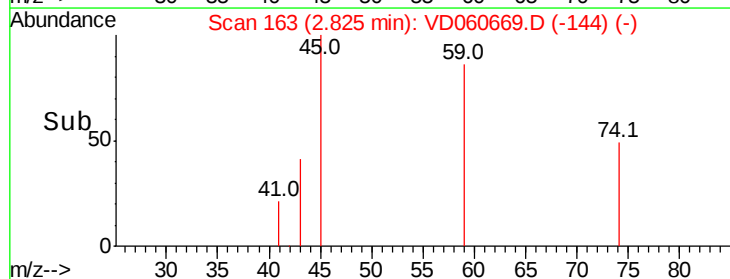
3000

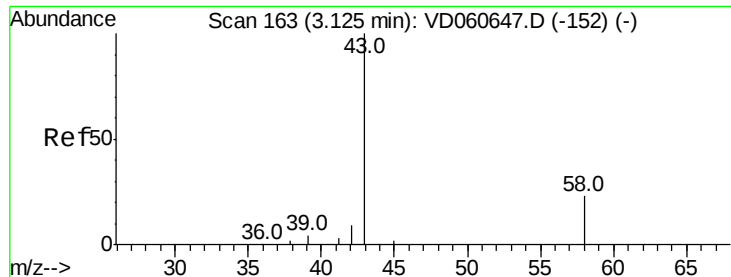
2000

1000

0

Time-->





#16

Acetone

Concen: 26.559 ug/l

RT: 3.17 min Scan# 198

Delta R.T. -0.00 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

Instrument :

MSVOA_D

ClientSampleId :

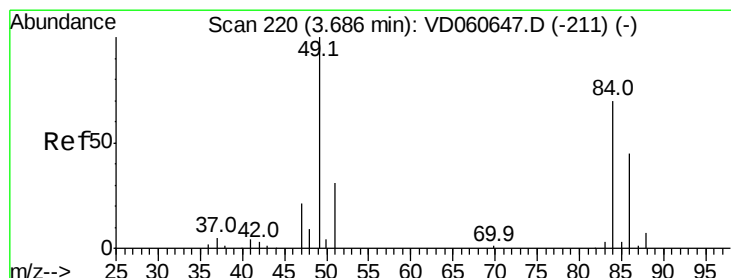
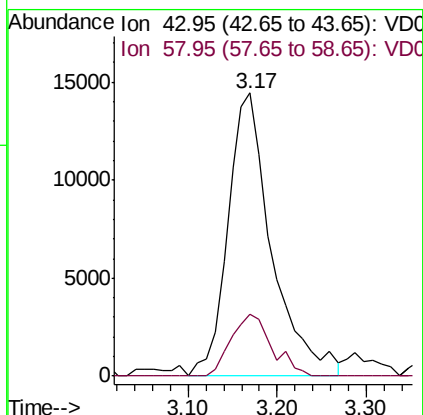
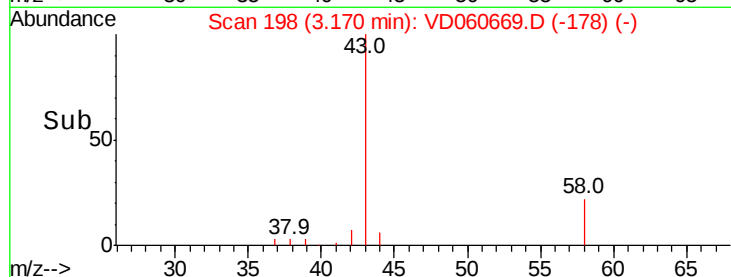
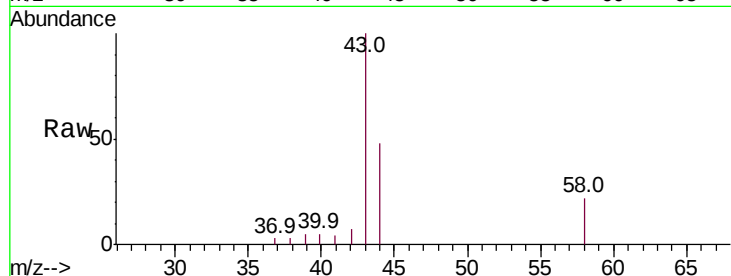
EB03_12-14

Tot Ion: 43 Resp: 49465

Ion Ratio Lower Upper

43 100

58 22.0 18.2 27.2



#20

Methylene Chloride

Concen: 12.687 ug/l

RT: 3.72 min Scan# 254

Delta R.T. -0.01 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

Tgt Ion: 84 Resp: 245392

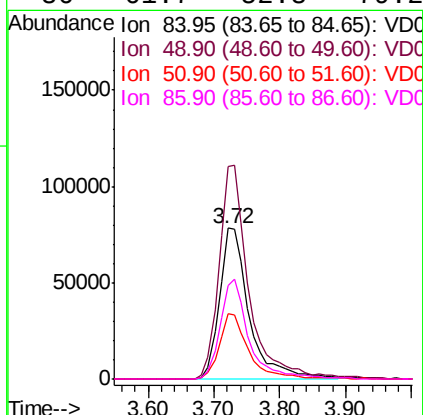
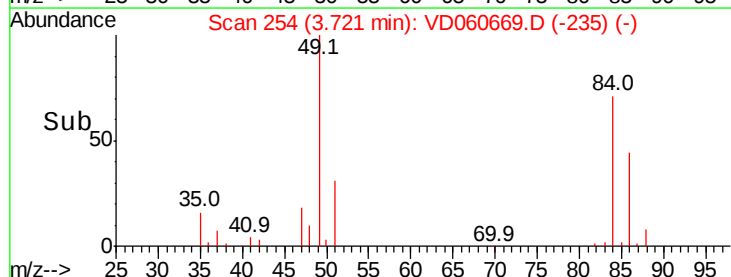
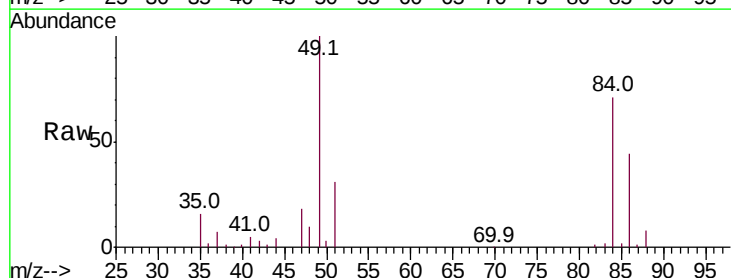
Ion Ratio Lower Upper

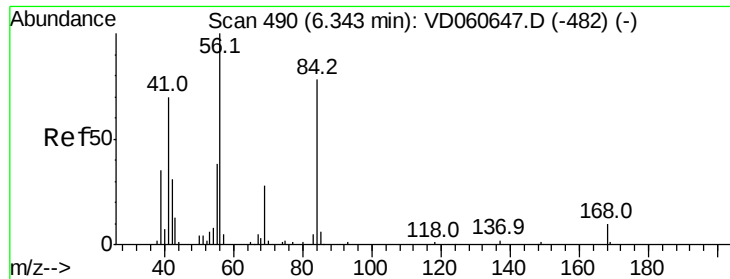
84 100

49 141.3 113.6 170.4

51 43.5 34.7 52.1

86 61.7 52.8 79.2

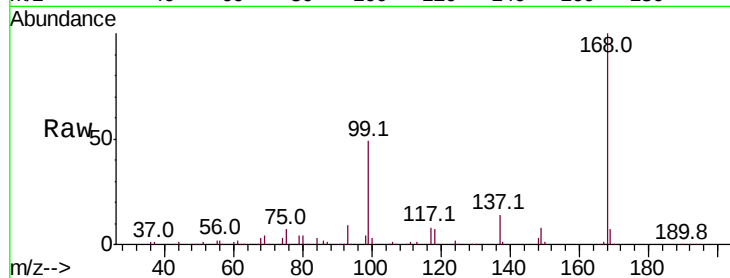




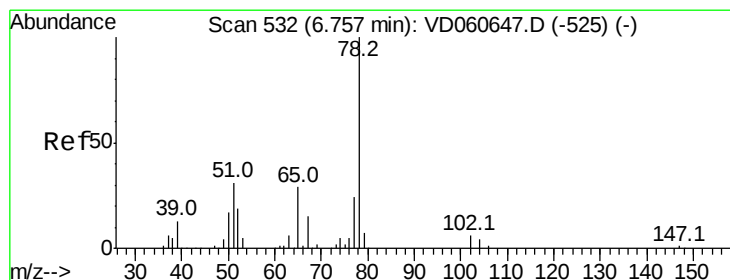
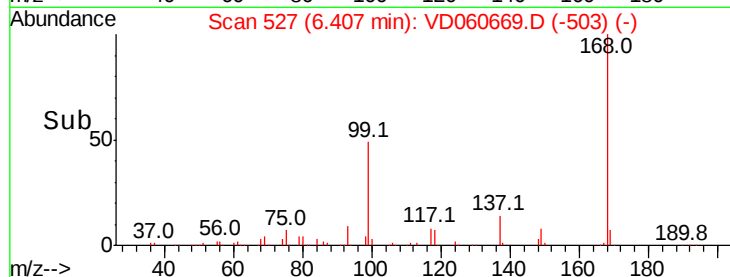
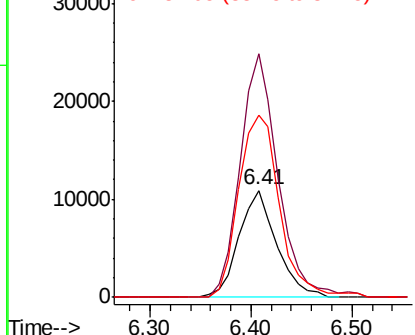
#31
Cyclohexane
Concen: 1.049 ug/l
RT: 6.41 min Scan# 527
Delta R.T. 0.04 min
Lab File: VD060669.D
Acq: 20 Dec 2018 20:16

Instrument :
MSVOA_D
ClientSampleId :
EB03_12-14

Tot Ion: 56 Resp: 28262
Ion Ratio Lower Upper
56 100
69 227.9 23.6 35.4#
84 170.3 65.8 98.6#

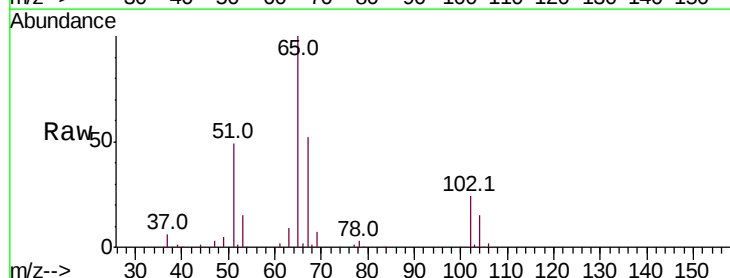


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

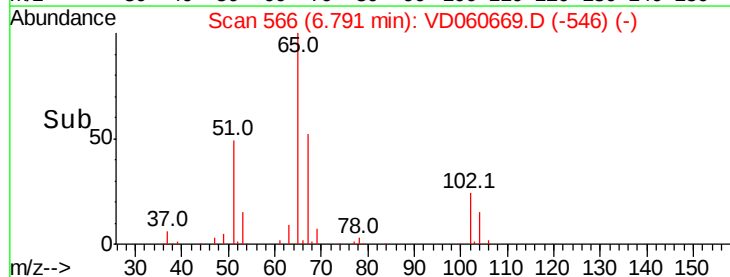
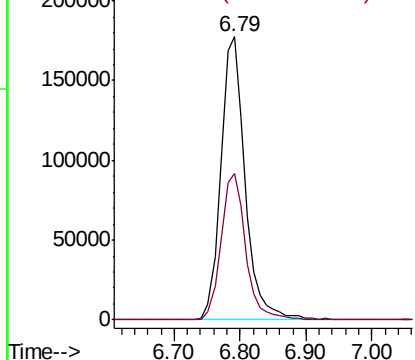


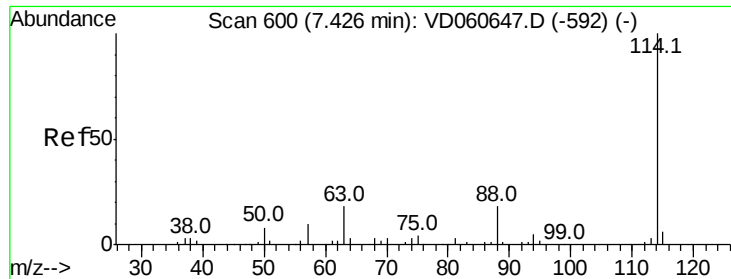
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.79 min Scan# 566
Delta R.T. -0.00 min
Lab File: VD060669.D
Acq: 20 Dec 2018 20:16

Tgt Ion: 65 Resp: 456711
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4



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



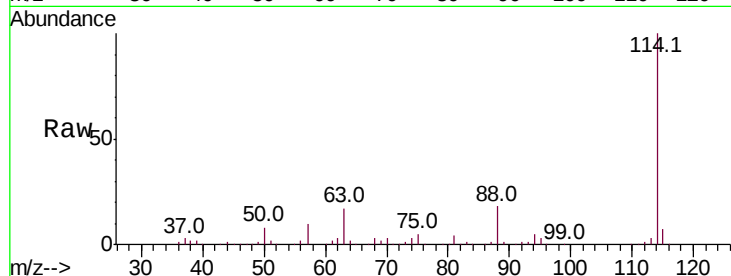


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VD060669.D
 Acq: 20 Dec 2018 20:16

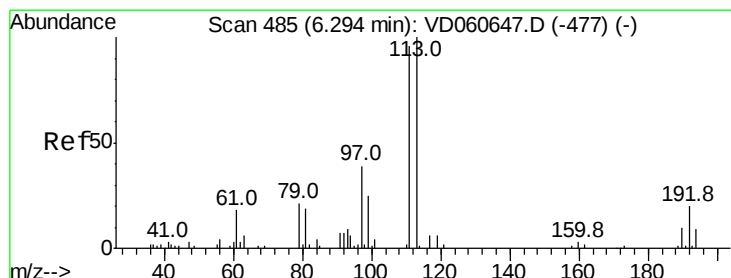
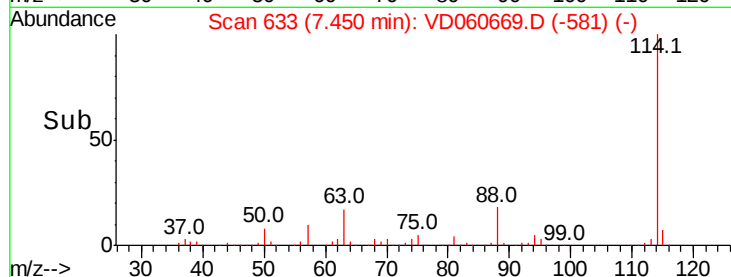
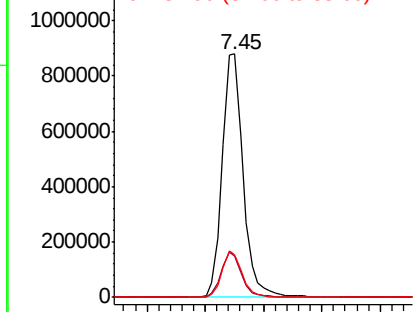
Instrument :
 MSVOA_D
 ClientSampleId :
 EB03_12-14

Tot Ion:114 Resp: 2198167

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	36.2
88	17.8	0.0	37.0



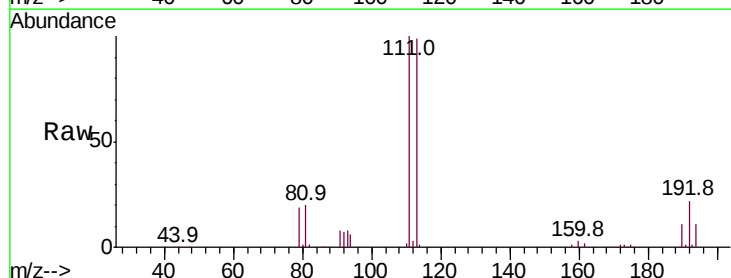
Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V



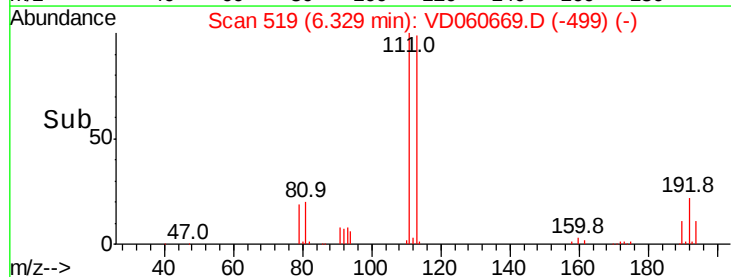
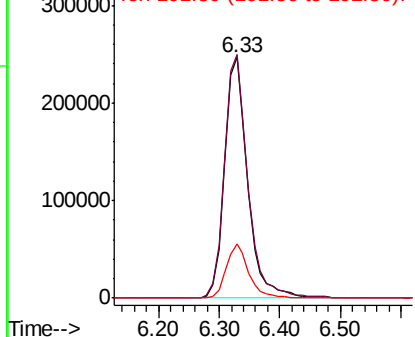
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VD060669.D
 Acq: 20 Dec 2018 20:16

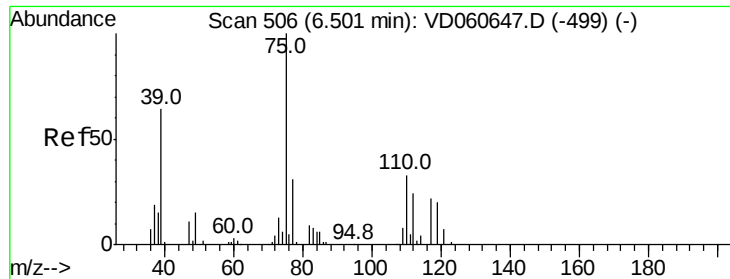
Tgt Ion:113 Resp: 654101

Ion	Ratio	Lower	Upper
113	100		
111	101.1	80.0	120.0
192	22.4	16.6	25.0



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: 4.821 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.12 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

Instrument :

MSVOA_D

ClientSampleId :

EB03_12-14

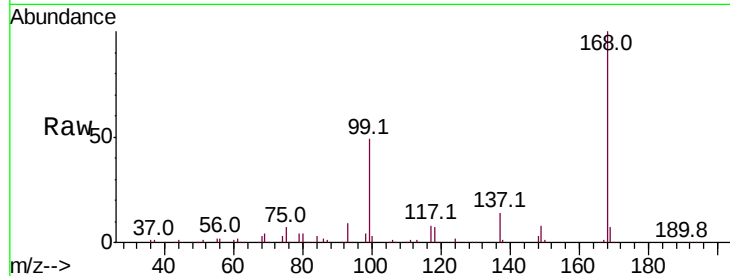
Tot Ion: 75 Resp: 109122

Ion Ratio Lower Upper

75 100

110 6.3 18.9 56.7#

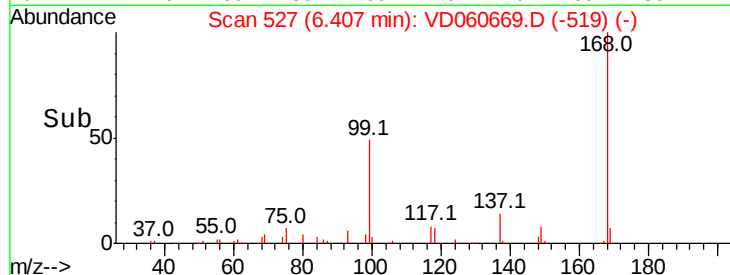
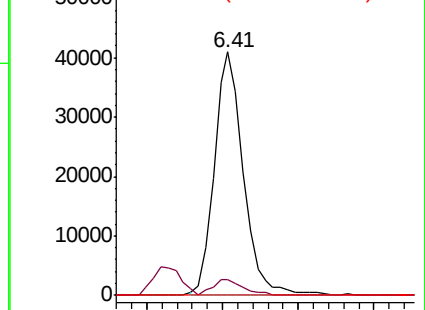
77 0.0 25.4 38.0#



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: 5.818 ug/l

RT: 6.41 min Scan# 527

Delta R.T. -0.09 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

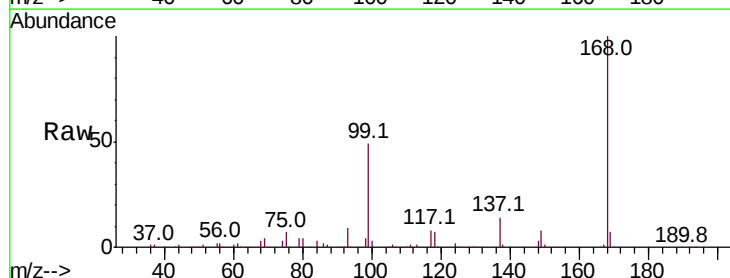
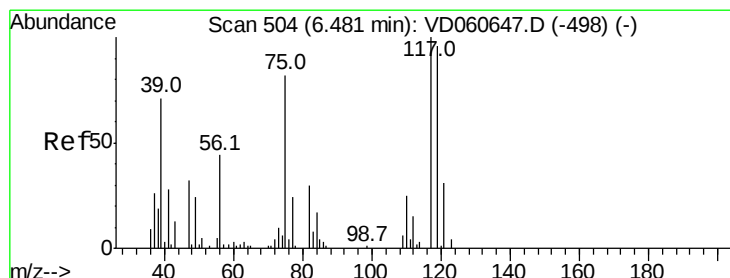
Tgt Ion: 117 Resp: 116182

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.4#

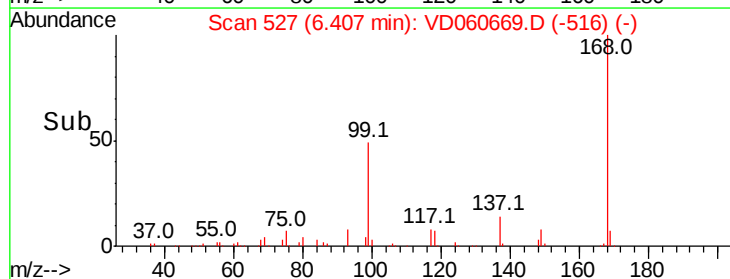
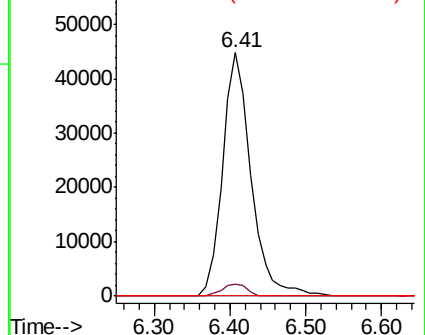
121 0.0 24.7 37.1#

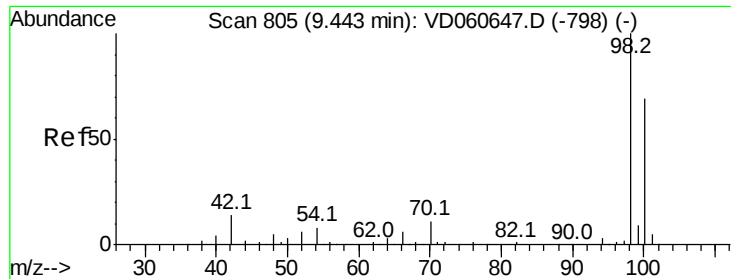


Abundance Ion 116.85 (116.55 to 117.55): V

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: 9.46 min Scan# 837

Delta R.T. -0.00 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

Instrument :

MSVOA_D

ClientSampleId :

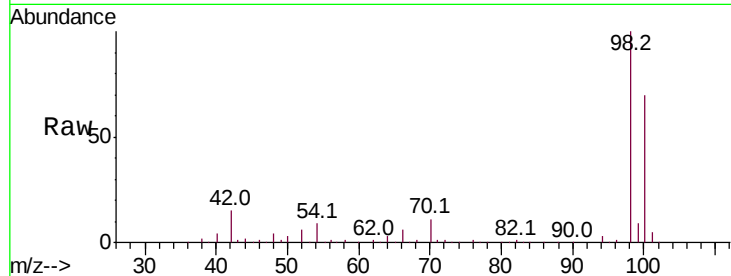
EB03_12-14

Tot Ion: 98 Resp: 1724224

Ion Ratio Lower Upper

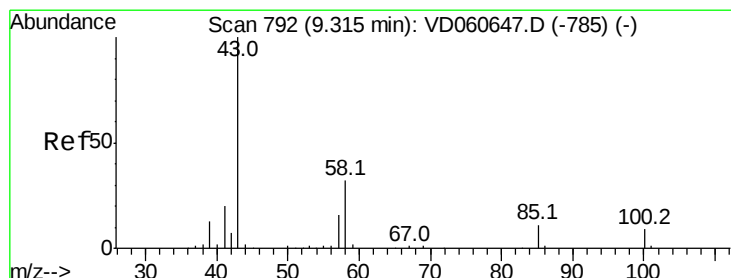
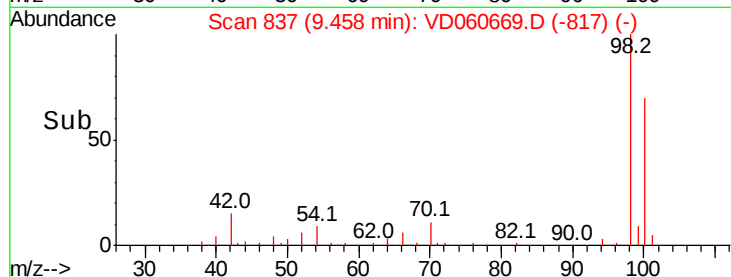
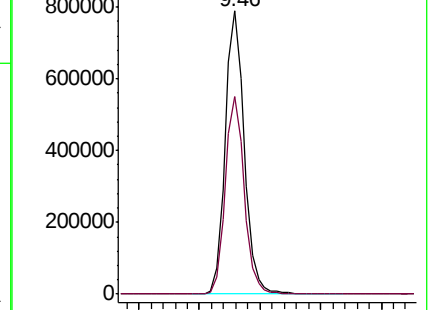
98 100

100 70.0 55.8 83.8



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: 1.365 ug/l

RT: 9.46 min Scan# 837

Delta R.T. 0.12 min

Lab File: VD060669.D

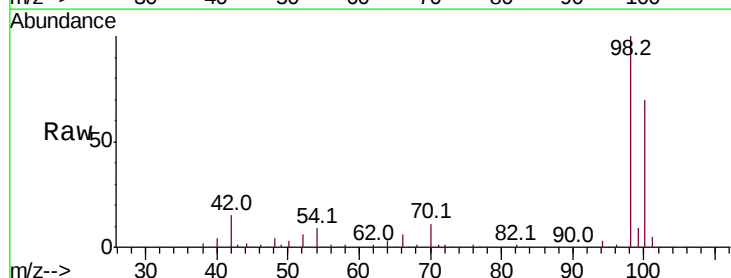
Acq: 20 Dec 2018 20:16

Tgt Ion: 43 Resp: 10156

Ion Ratio Lower Upper

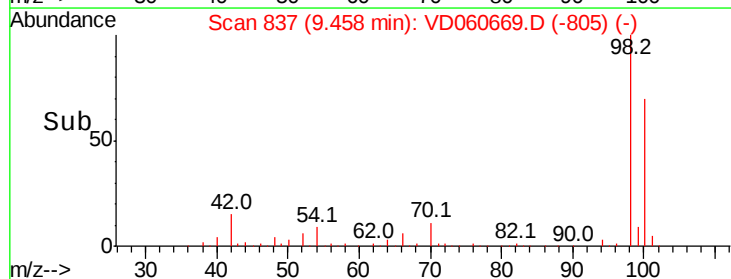
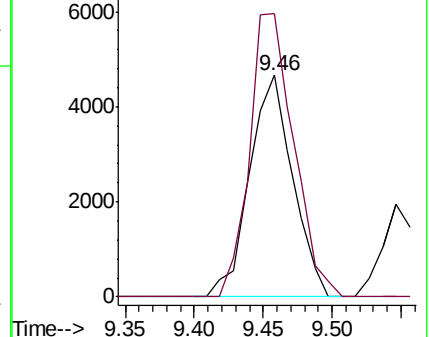
43 100

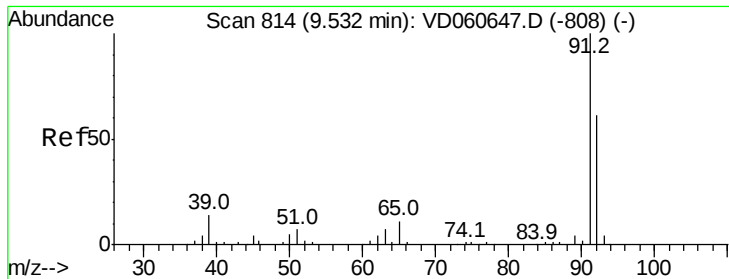
58 127.8 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 4.701 ug/l

RT: 9.55 min Scan# 846

Delta R.T. -0.00 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

Instrument :

MSVOA_D

ClientSampleId :

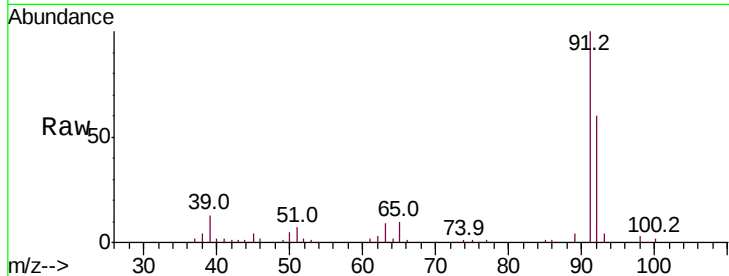
EB03_12-14

Tot Ion: 92 Resp: 172315

Ion Ratio Lower Upper

92 100

91 166.7 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

100000

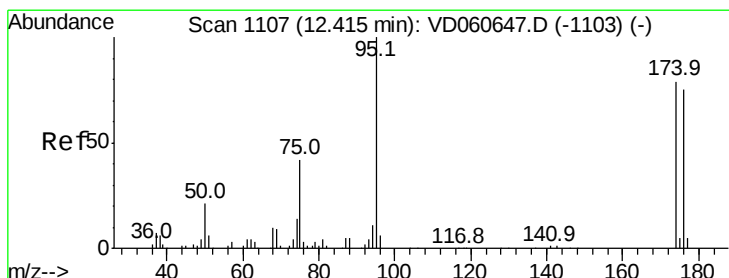
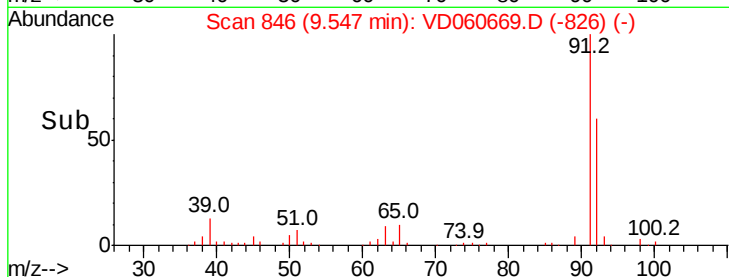
50000

0

9.55

9.50 9.60

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

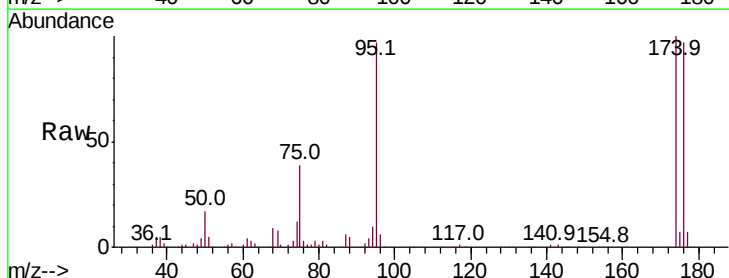
Tgt Ion: 95 Resp: 658951

Ion Ratio Lower Upper

95 100

174 102.6 0.0 158.2

176 99.1 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

600000

500000

400000

300000

200000

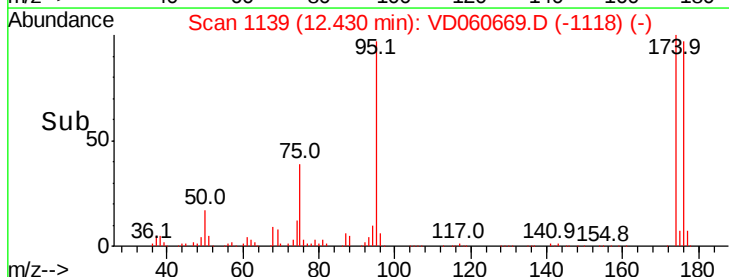
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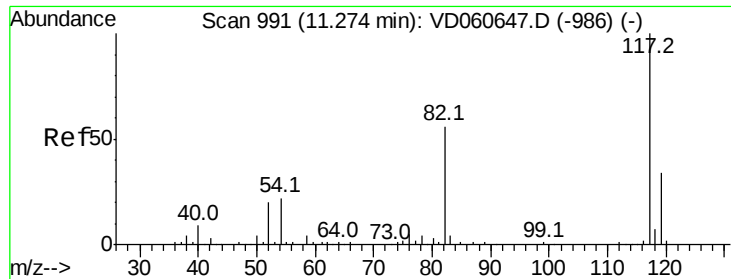
0

12.43

12.40 12.50

Time-->

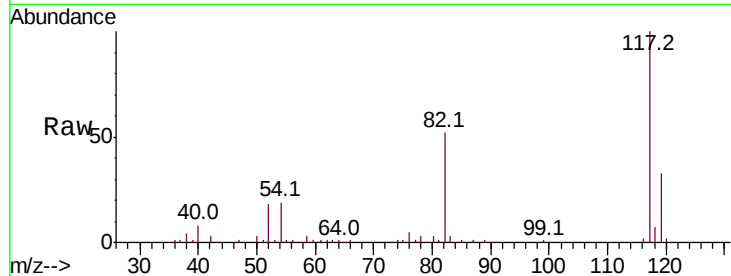




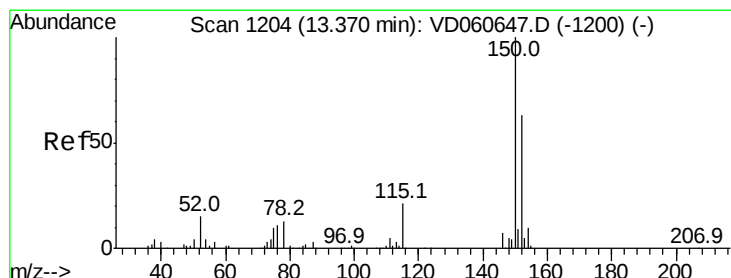
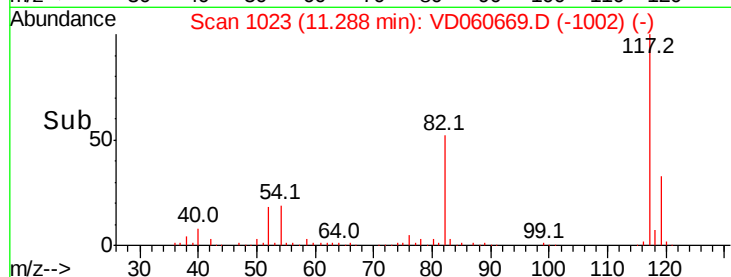
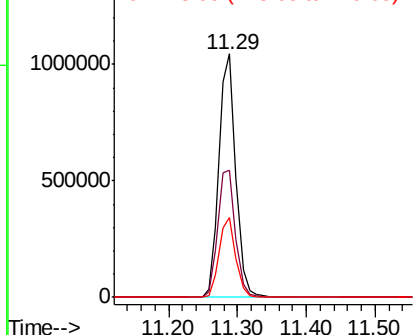
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VD060669.D
Acq: 20 Dec 2018 20:16

Instrument :
MSVOA_D
ClientSampleId :
EB03_12-14

Tot Ion:117 Resp: 1770310
Ion Ratio Lower Upper
117 100
82 52.2 44.5 66.7
119 32.7 26.3 39.5

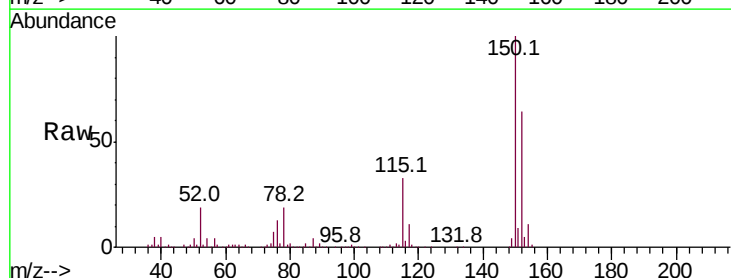


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

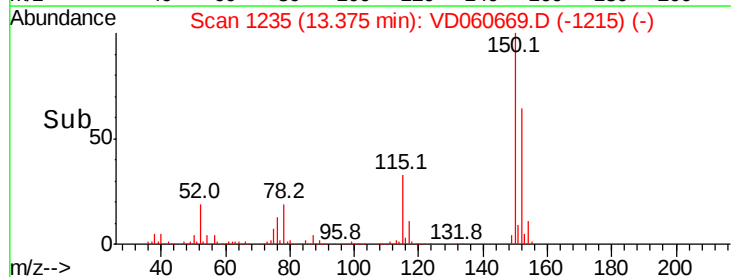
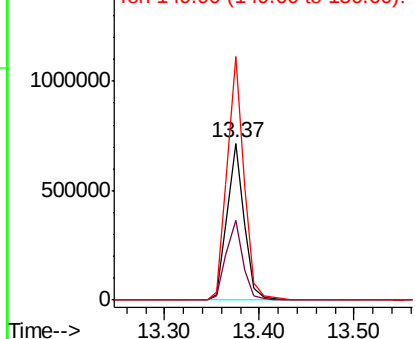


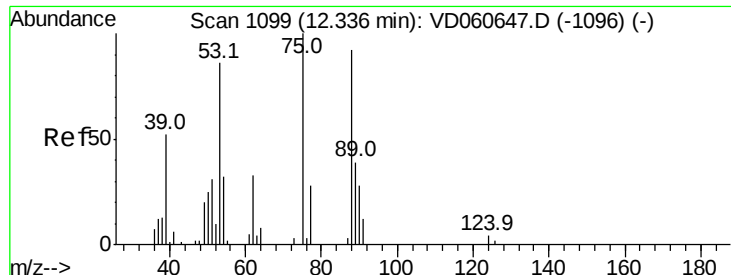
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VD060669.D
Acq: 20 Dec 2018 20:16

Tgt Ion:152 Resp: 890525
Ion Ratio Lower Upper
152 100
115 50.5 24.1 72.3
150 155.1 0.0 315.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 96.280 ug/l

RT: 12.43 min Scan# 1139

Delta R.T. 0.09 min

Lab File: VD060669.D

Acq: 20 Dec 2018 20:16

Instrument :

MSVOA_D

ClientSampleId :

EB03_12-14

Tot Ion: 75 Resp: 269729

Ion Ratio Lower Upper

75 100

53 0.0 72.1 108.1#

89 0.0 35.1 52.7#

