

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042619\
 Data File : VD062058.D
 Acq On : 26 Apr 2019 16:56
 Operator : VA/AP
 Sample : K2601-02
 Misc : 5.93g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-EF-01-008-ABCD

Quant Time: Apr 26 23:05:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	501618	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.26	114	863230	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	651393	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	227965	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.50	65	204500	52.09	ug/l	0.04
Spiked Amount			Recovery	=	104.18%	
35) Dibromofluoromethane	6.97	113	282894	47.39	ug/l	0.03
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	10.45	98	621118	43.72	ug/l	0.03
Spiked Amount			Recovery	=	87.44%	
62) 4-Bromofluorobenzene	13.57	95	234699	41.19	ug/l	0.01
Spiked Amount			Recovery	=	82.38%	

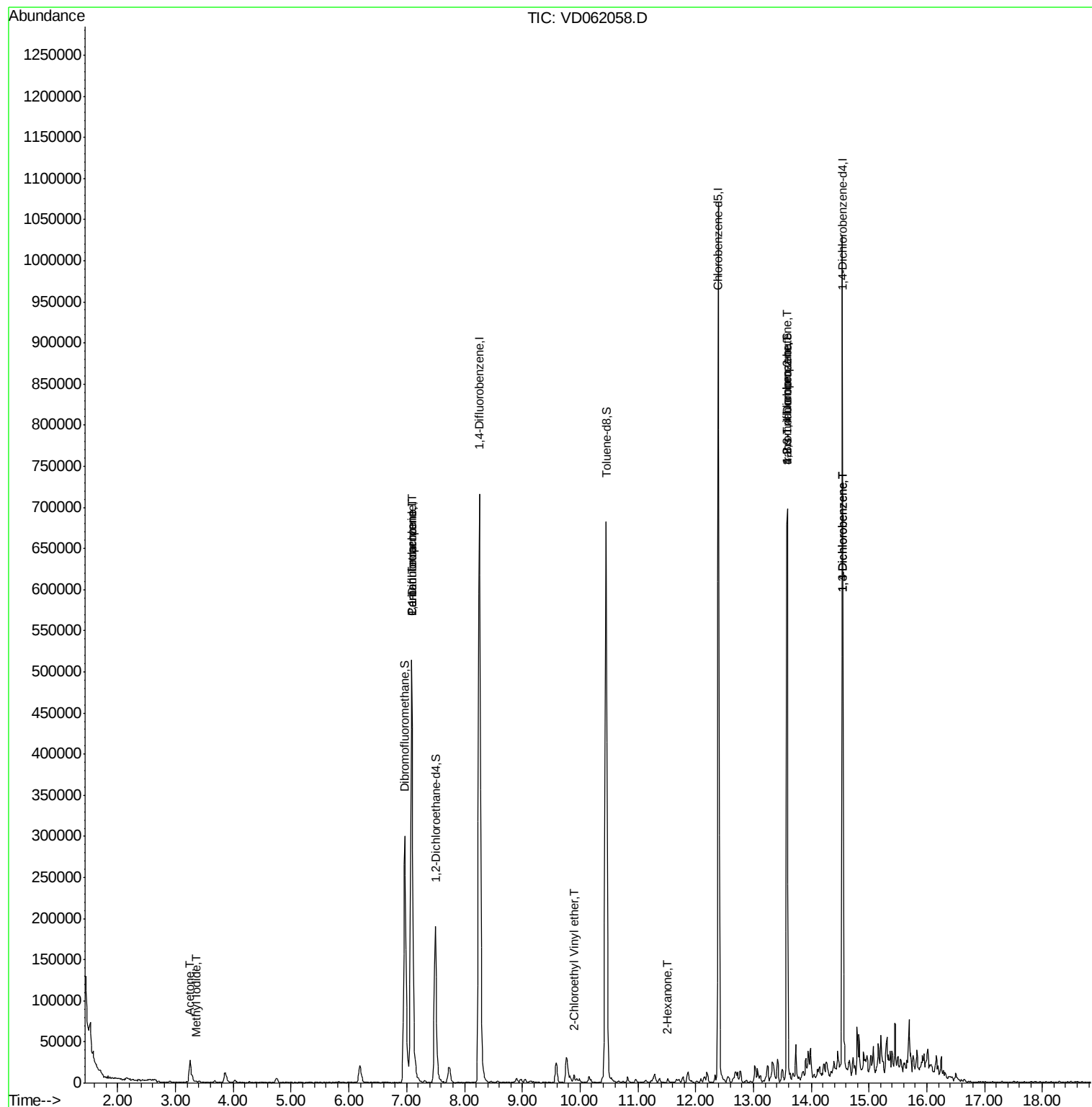
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.15	94	338	Below Cal	#	12
10) Methyl Iodide	3.36	142	813	5.527	ug/l #	37
16) Acetone	3.25	43	51136	54.551	ug/l	98
18) Methyl Acetate	3.68	43	2734	Below Cal	#	53
20) Methylene Chloride	3.85	84	9728	Below Cal		91
36) 1,1-Dichloropropene	7.09	75	38340	5.701	ug/l #	47
38) Carbon Tetrachloride	7.09	117	50516	5.928	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.89	63	4678	2.549	ug/l #	79
59) 2-Hexanone	11.52	43	2410	1.255	ug/l #	27
76) 1,2,3-Trichloropropane	13.57	75	92188	31.846	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	93028	106.046	ug/l #	16
87) 1,3-Dichlorobenzene	14.56	146	13215	1.730	ug/l	96
88) 1,4-Dichlorobenzene	14.56	146	13215	1.850	ug/l	96

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042619\
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Quant Time: Apr 26 23:05:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 23 14:52:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.09 min Scan# 575

Delta R.T. 0.03 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

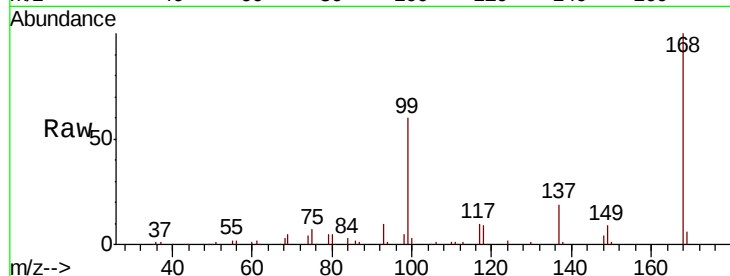
FK-EF-01-008-ABCD

Tot Ion:168 Resp: 501618

Ion Ratio Lower Upper

168 100

99 59.6 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.09

200000

150000

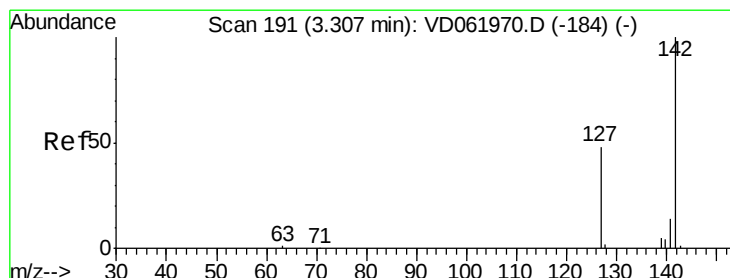
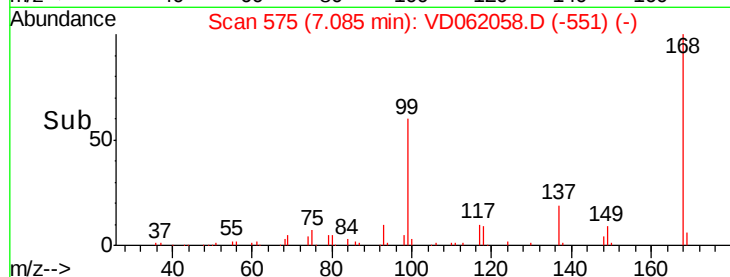
100000

50000

0

7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 5.527 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.04 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

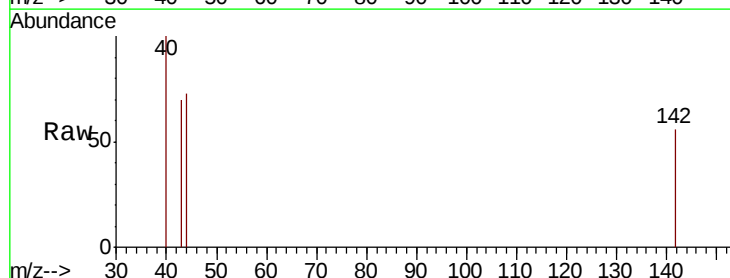
Tgt Ion:142 Resp: 813

Ion Ratio Lower Upper

142 100

127 0.0 38.8 58.2#

141 0.0 11.4 17.0#



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

500

400

300

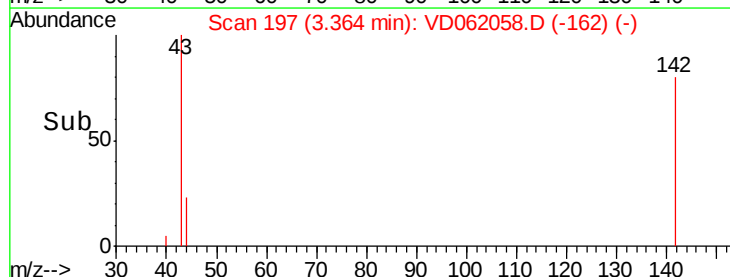
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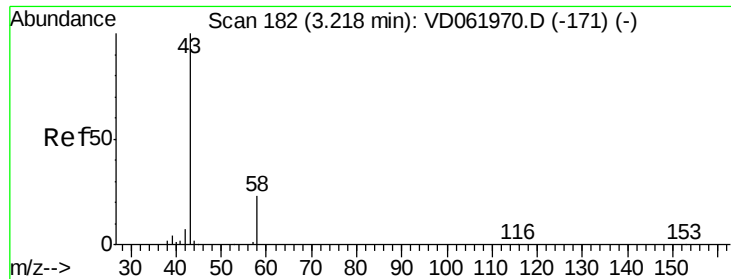
100

0

3.30 3.35 3.40

Time-->

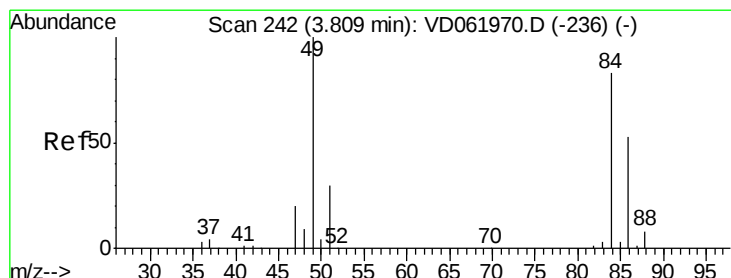
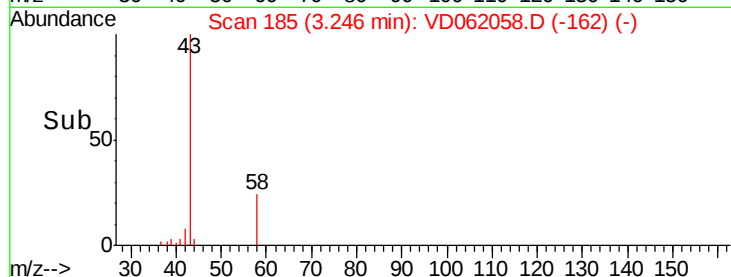
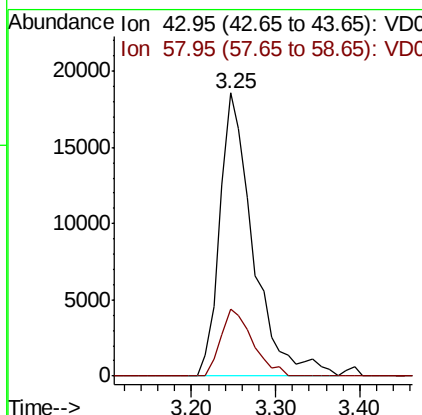
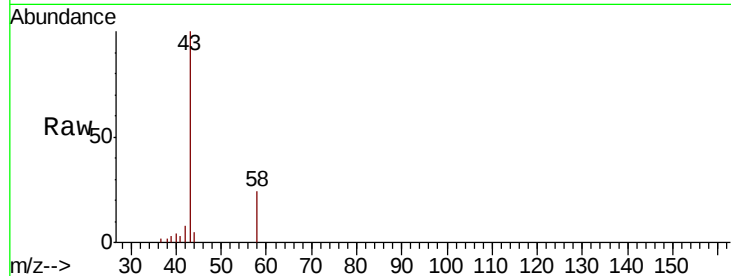




#16
Acetone
Concen: 54.551 ug/l
RT: 3.25 min Scan# 185
Delta R.T. 0.02 min
Lab File: VD062058.D
Acq: 26 Apr 2019 16:56

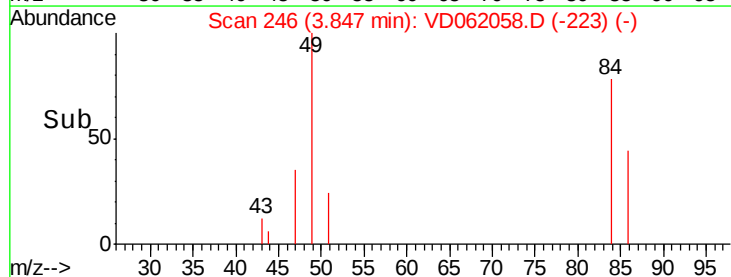
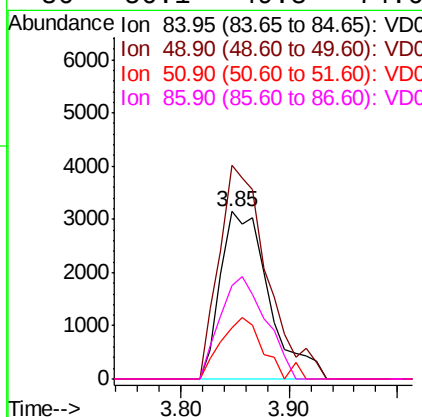
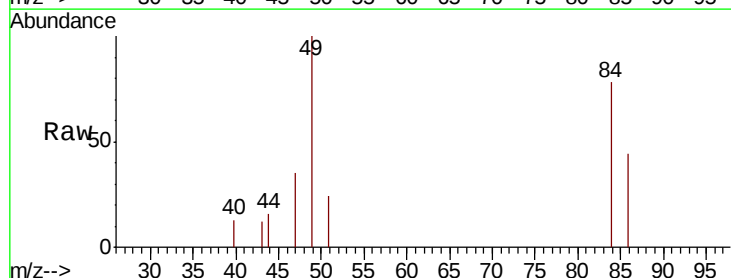
Instrument :
MSVOA_D
ClientSampleId :
FK-EF-01-008-ABCD

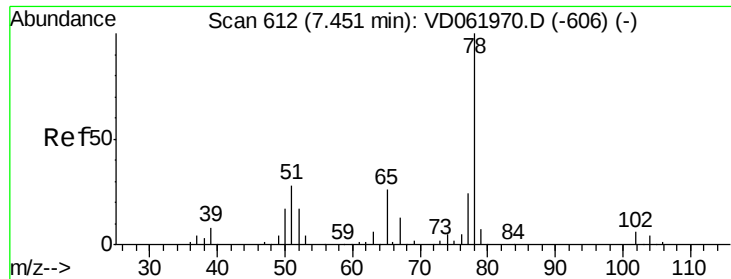
Tot Ion: 43 Resp: 51136
Ion Ratio Lower Upper
43 100
58 23.9 19.9 29.9



#20
Methylene Chloride
Concen: Below Cal
RT: 3.85 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD062058.D
Acq: 26 Apr 2019 16:56

Tgt Ion: 84 Resp: 9728
Ion Ratio Lower Upper
84 100
49 127.5 94.0 141.0
51 30.4 29.0 43.4
86 56.1 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 52.089 ug/l

RT: 7.50 min Scan# 617

Delta R.T. 0.04 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

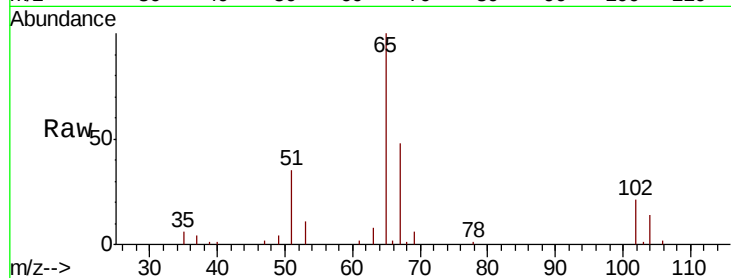
FK-EF-01-008-ABCD

Tot Ion: 65 Resp: 204500

Ion Ratio Lower Upper

65 100

67 48.4 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.50

60000

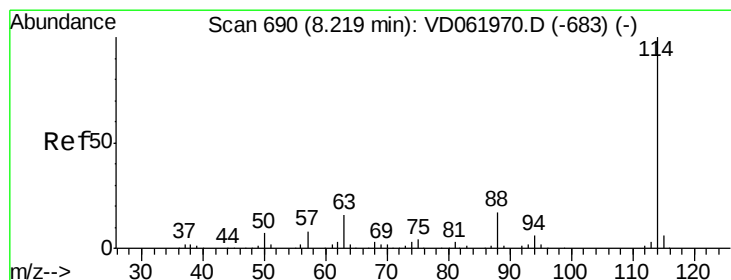
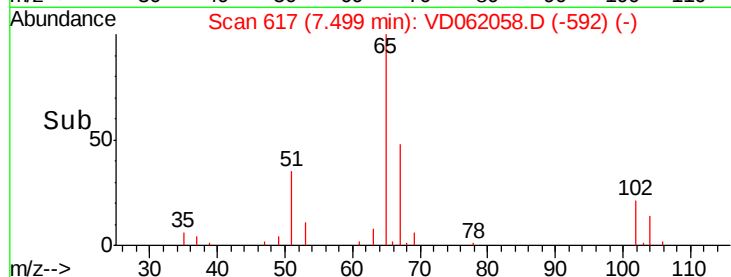
40000

20000

0

7.40 7.50 7.60 7.70

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.26 min Scan# 694

Delta R.T. 0.03 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

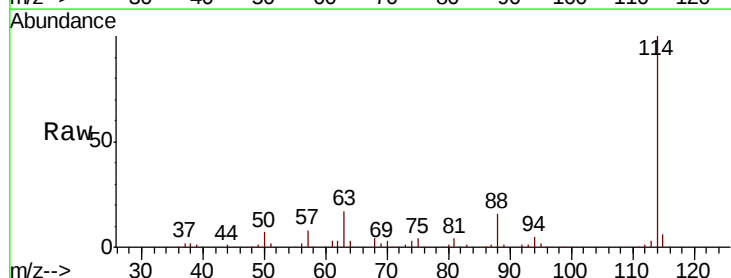
Tgt Ion: 114 Resp: 863230

Ion Ratio Lower Upper

114 100

63 17.0 0.0 32.4

88 16.5 0.0 33.6



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

8.26

400000

300000

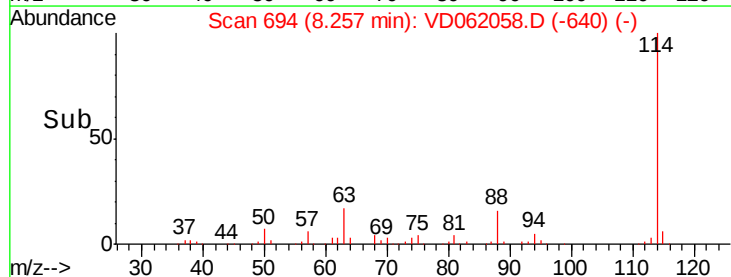
200000

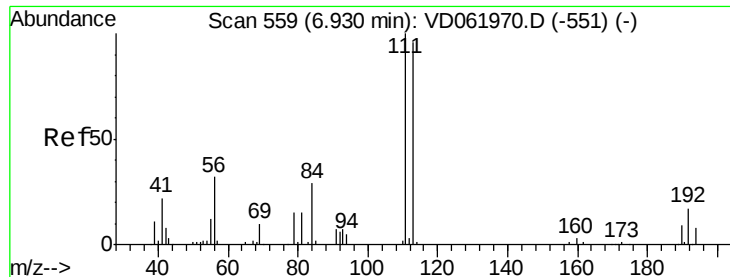
100000

0

8.10 8.20 8.30 8.40 8.50

Time-->

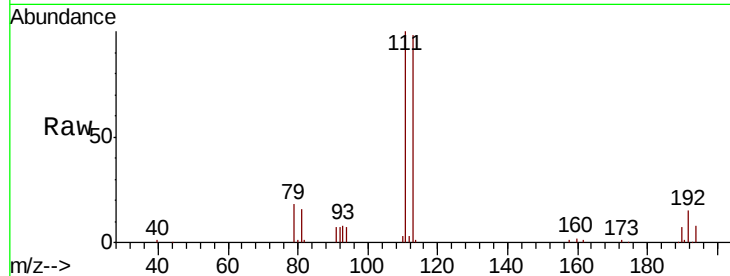




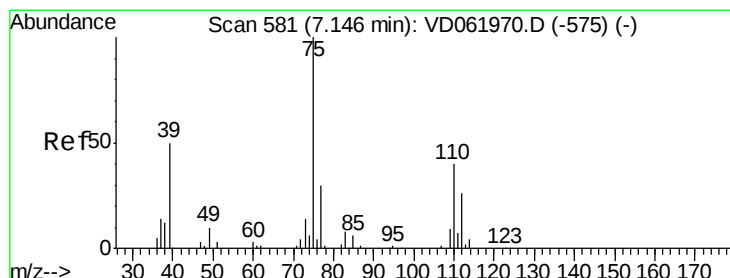
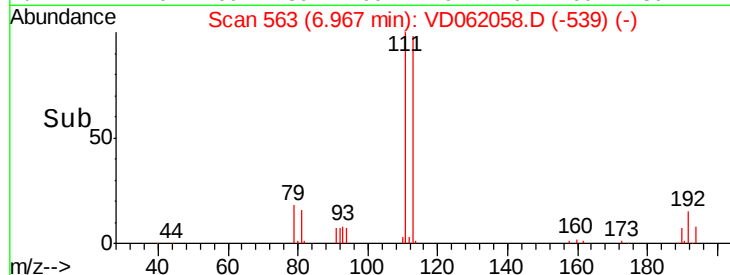
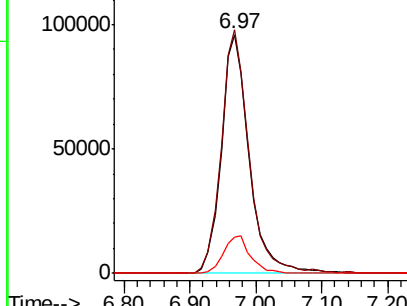
#35
 Dibromofluoromethane
 Concen: 47.385 ug/l
 RT: 6.97 min Scan# 563
 Delta R.T. 0.03 min
 Lab File: VD062058.D
 Acq: 26 Apr 2019 16:56

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-EF-01-008-ABCD

Tot Ion:113 Resp: 282894
 Ion Ratio Lower Upper
 113 100
 111 102.1 78.5 117.7
 192 15.2 13.0 19.4

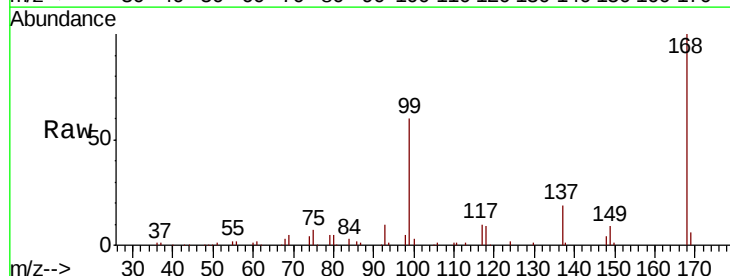


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

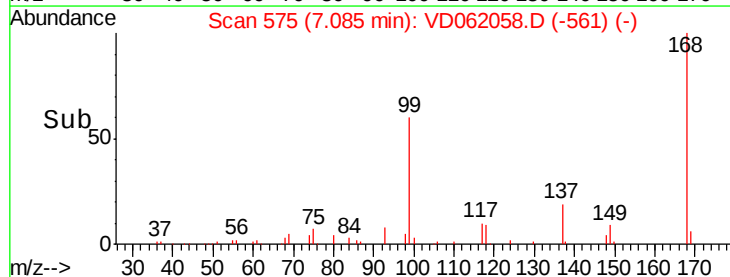
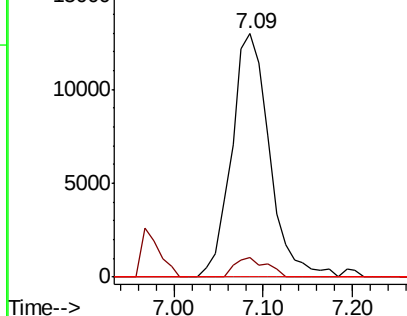


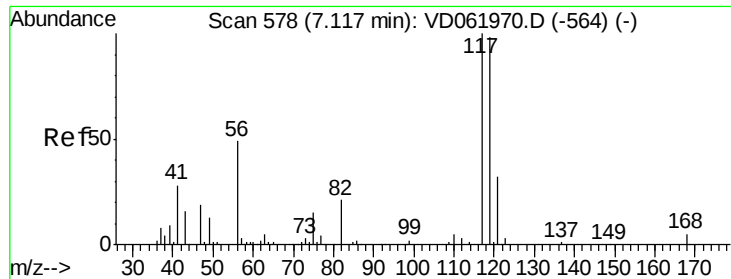
#36
 1,1-Dichloropropene
 Concen: 5.701 ug/l
 RT: 7.09 min Scan# 575
 Delta R.T. -0.07 min
 Lab File: VD062058.D
 Acq: 26 Apr 2019 16:56

Tgt Ion: 75 Resp: 38340
 Ion Ratio Lower Upper
 75 100
 110 8.3 19.1 57.1#
 77 0.0 25.6 38.4#



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





#38

Carbon Tetrachloride

Concen: 5.928 ug/l

RT: 7.09 min Scan# 575

Delta R.T. -0.04 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

FK-EF-01-008-ABCD

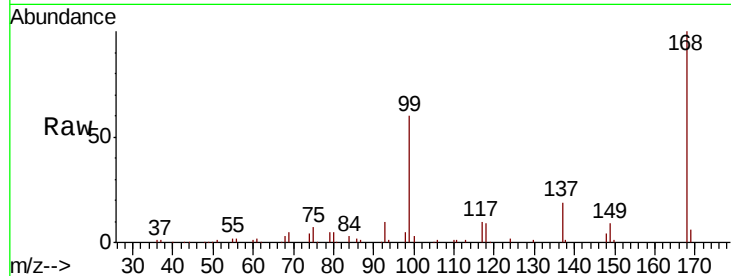
Tot Ion:117 Resp: 50516

Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

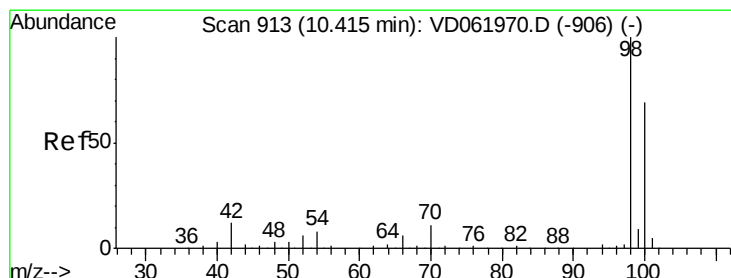
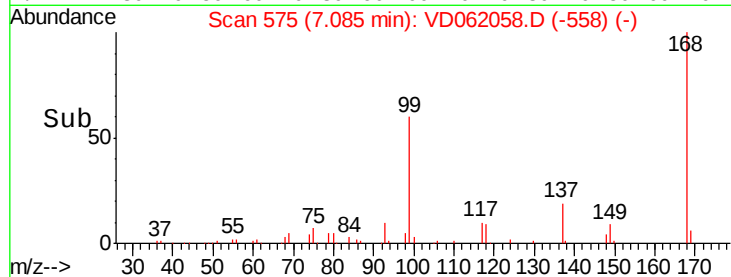
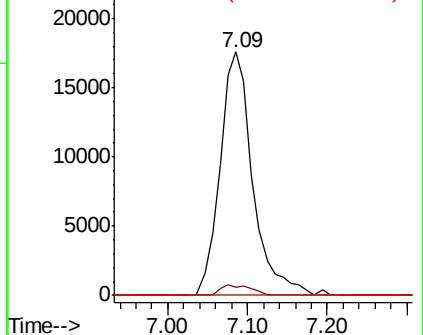
121 0.0 25.9 38.9#



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: 43.723 ug/l

RT: 10.45 min Scan# 917

Delta R.T. 0.03 min

Lab File: VD062058.D

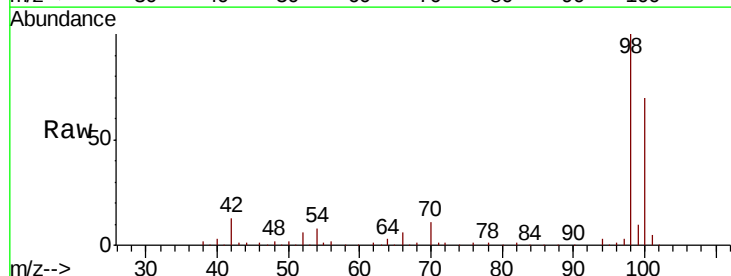
Acq: 26 Apr 2019 16:56

Tgt Ion: 98 Resp: 621118

Ion Ratio Lower Upper

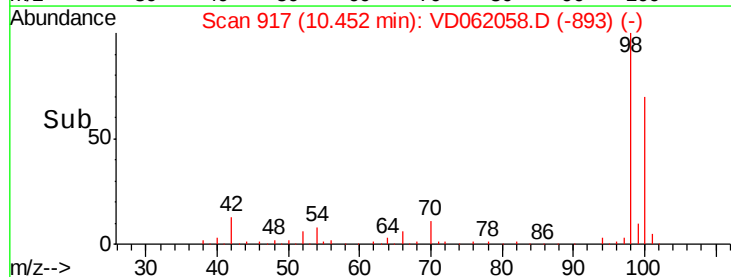
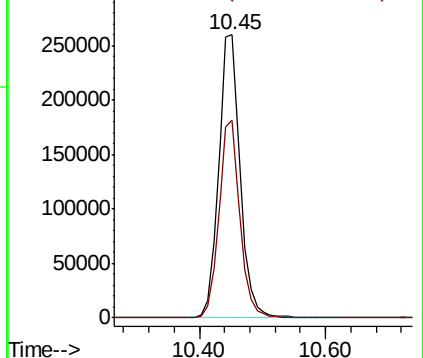
98 100

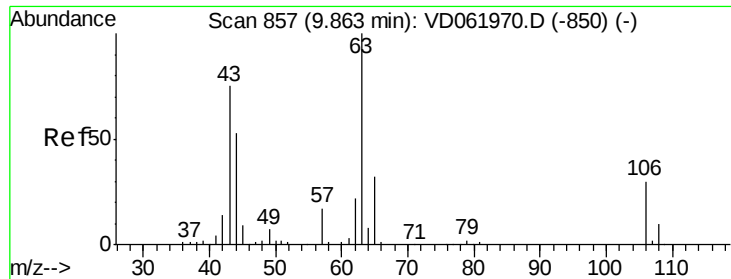
100 69.9 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

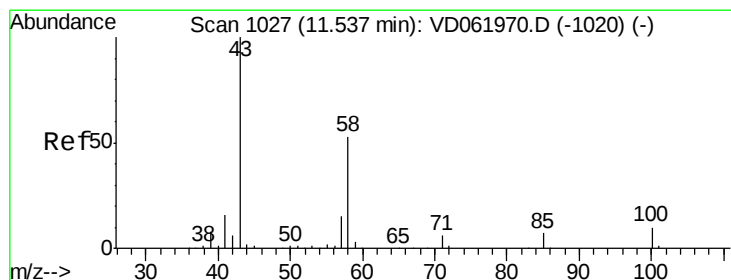
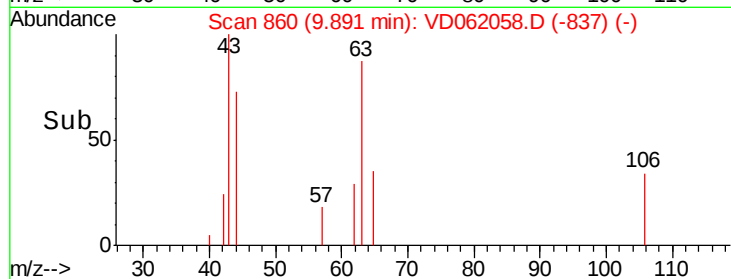
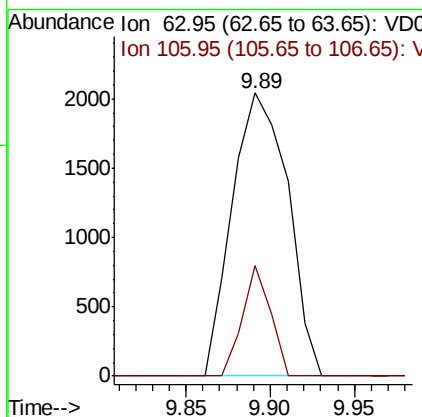
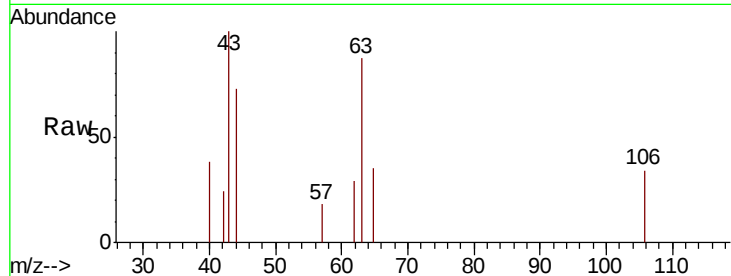




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.549 ug/l
 RT: 9.89 min Scan# 860
 Delta R.T. 0.02 min
 Lab File: VD062058.D
 Acq: 26 Apr 2019 16:56

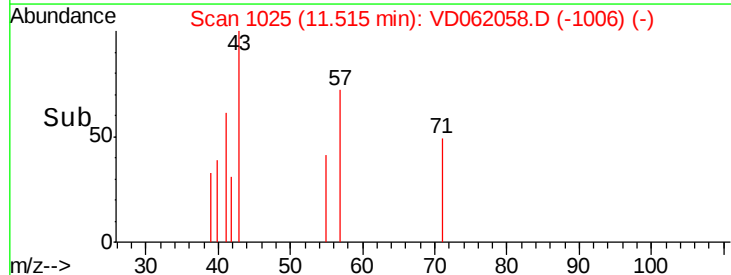
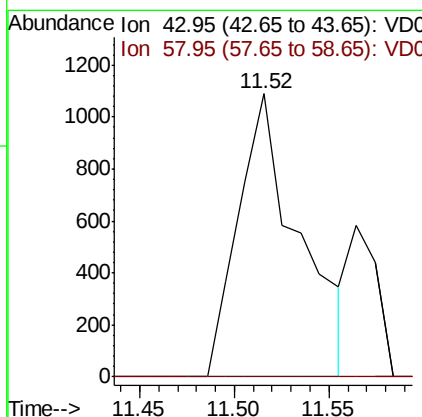
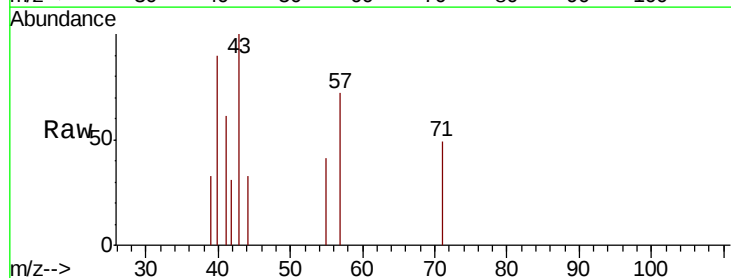
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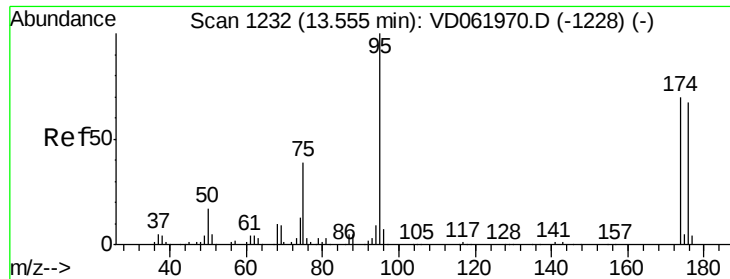
Tot Ion: 63 Resp: 4678
 Ion Ratio Lower Upper
 63 100
 106 39.3 22.6 34.0#



#59
 2-Hexanone
 Concen: 1.255 ug/l
 RT: 11.52 min Scan# 1025
 Delta R.T. -0.02 min
 Lab File: VD062058.D
 Acq: 26 Apr 2019 16:56

Tgt Ion: 43 Resp: 2410
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.4 76.4#





#62

4-Bromofluorobenzene

Concen: 41.191 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.01 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

FK-EF-01-008-ABCD

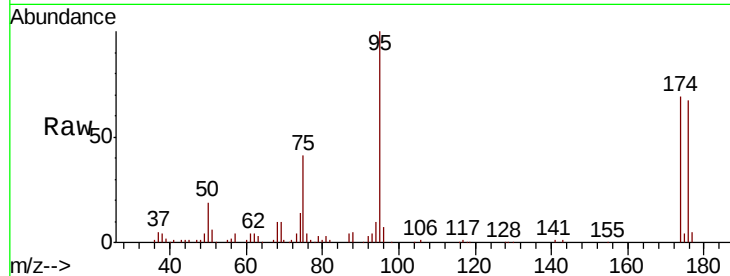
Tot Ion: 95 Resp: 234699

Ion Ratio Lower Upper

95 100

174 68.6 0.0 181.8

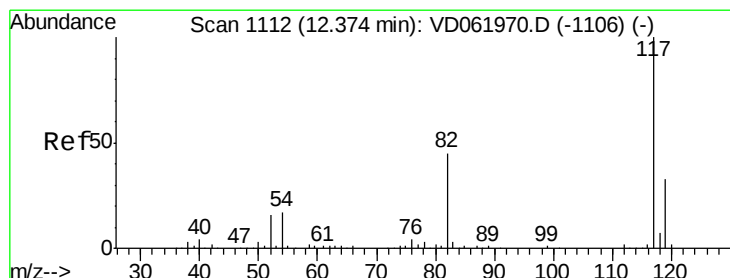
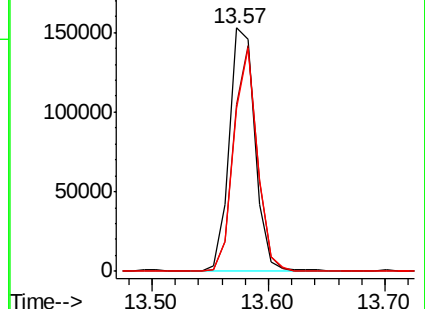
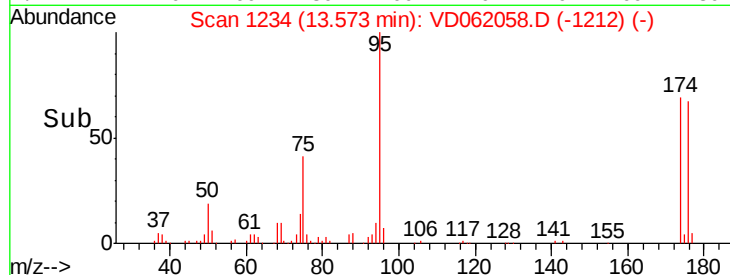
176 67.1 0.0 174.4



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: 12.39 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

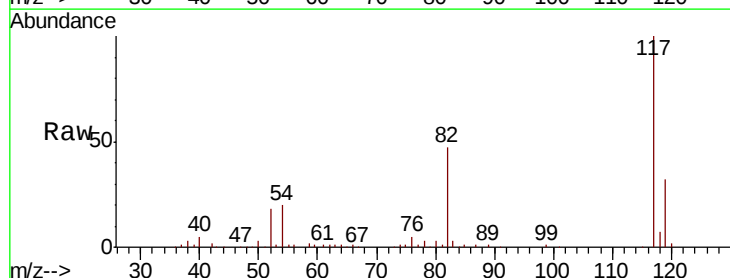
Tgt Ion: 117 Resp: 651393

Ion Ratio Lower Upper

117 100

82 47.4 36.2 54.2

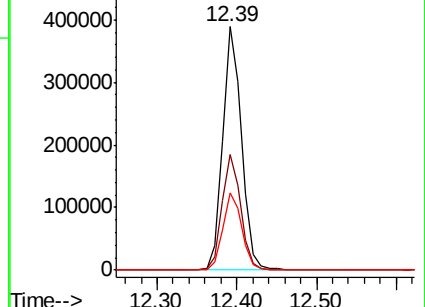
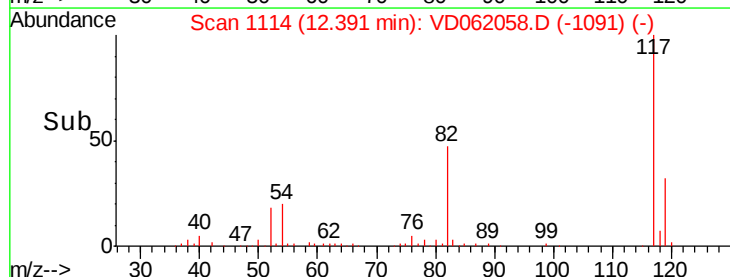
119 32.0 26.2 39.4

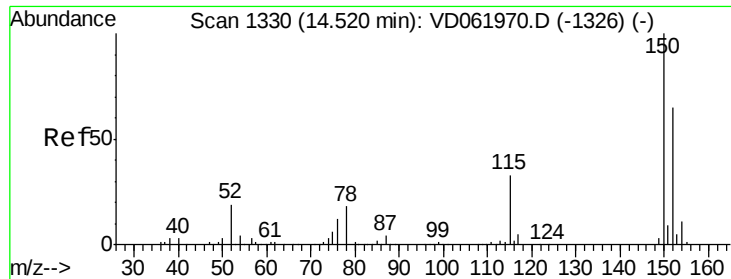


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

FK-EF-01-008-ABCD

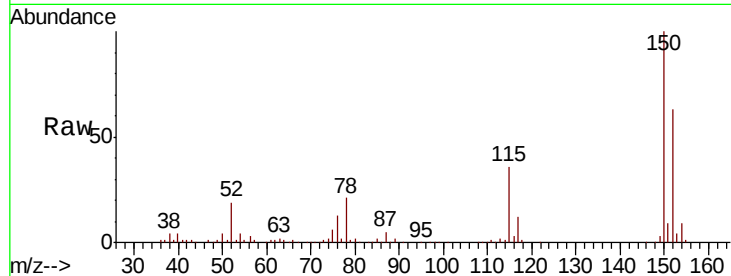
Tot Ion:152 Resp: 227965

Ion Ratio Lower Upper

152 100

115 56.8 30.9 92.7

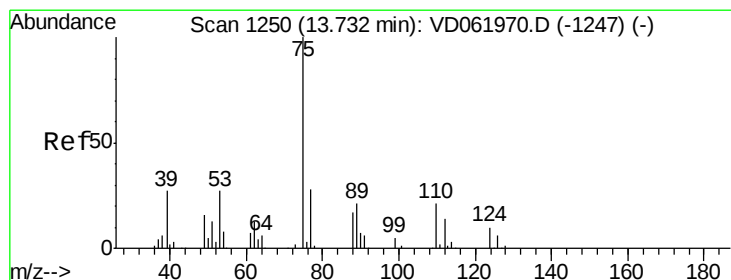
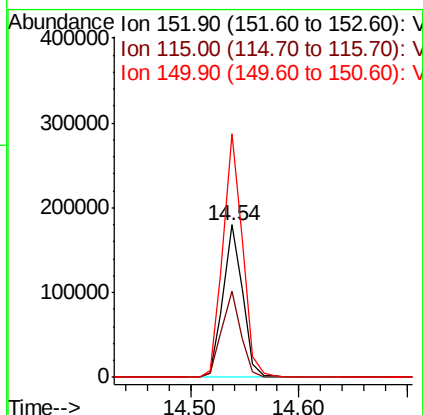
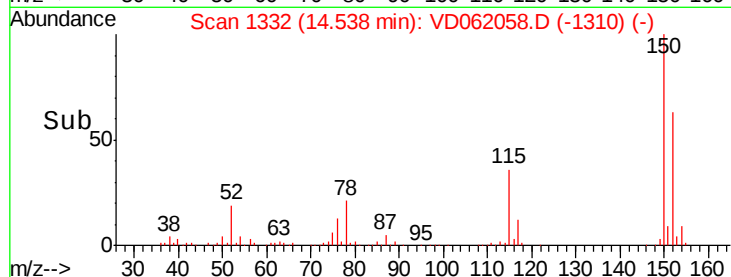
150 159.8 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 31.846 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062058.D

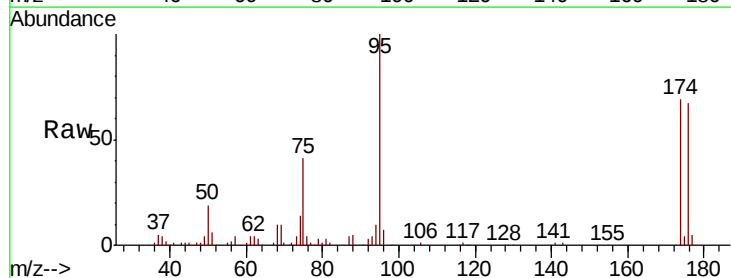
Acq: 26 Apr 2019 16:56

Tgt Ion: 75 Resp: 92188

Ion Ratio Lower Upper

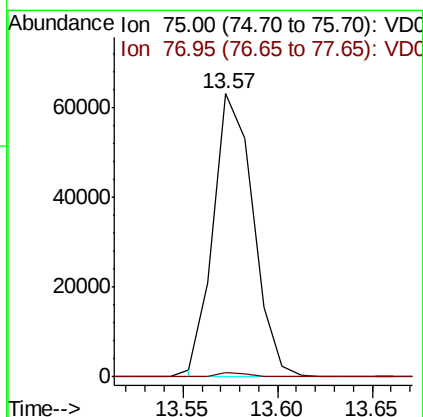
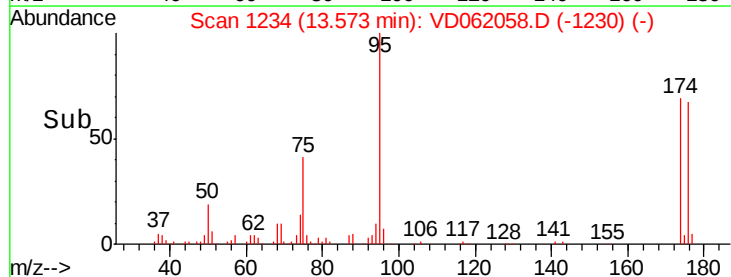
75 100

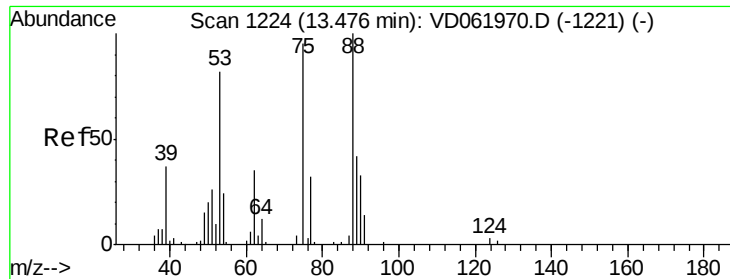
77 1.7 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V

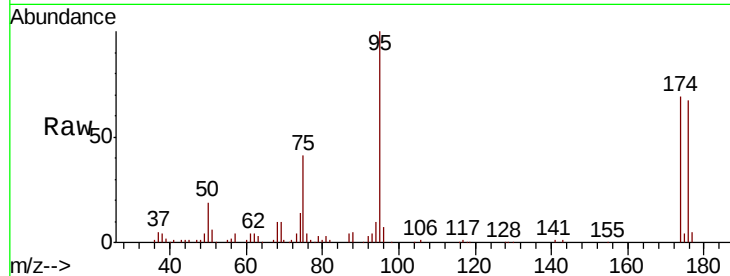




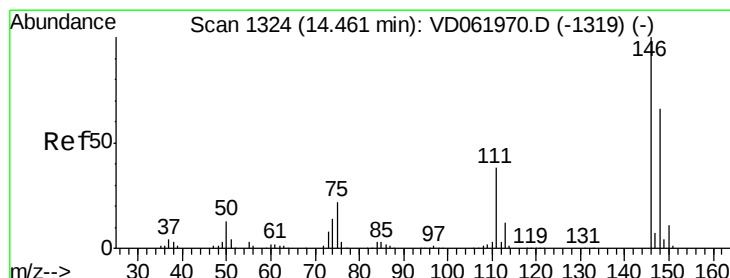
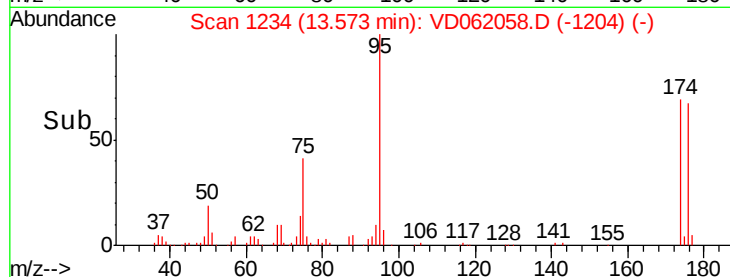
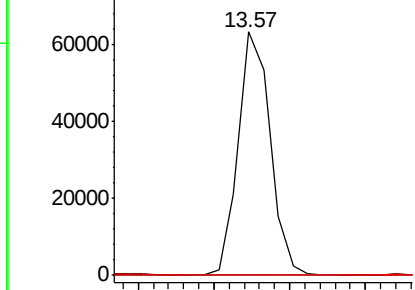
#81
trans-1,4-Dichloro-2-butene
Concen: 106.046 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.09 min
Lab File: VD062058.D
Acq: 26 Apr 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :
FK-EF-01-008-ABCD

Tot Ion: 75 Resp: 93028
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

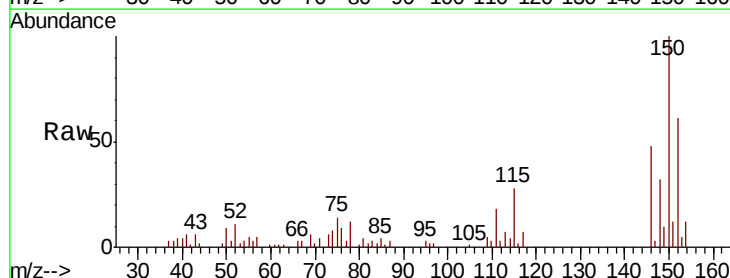


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

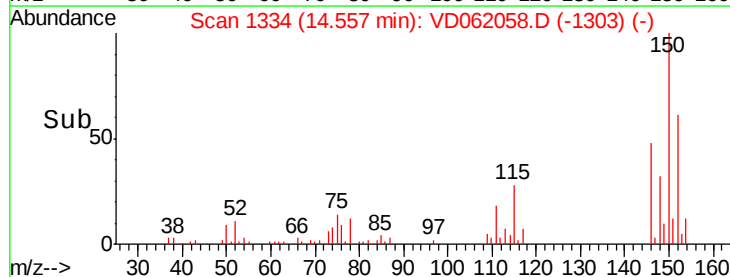
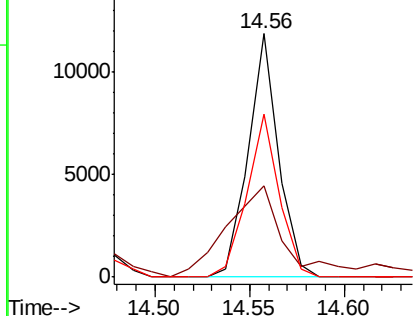


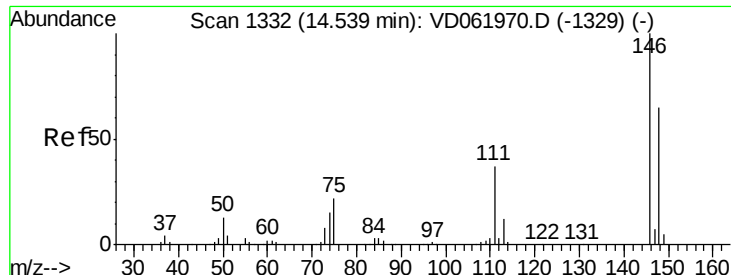
#87
1,3-Dichlorobenzene
Concen: 1.730 ug/l
RT: 14.56 min Scan# 1334
Delta R.T. 0.10 min
Lab File: VD062058.D
Acq: 26 Apr 2019 16:56

Tgt Ion: 146 Resp: 13215
Ion Ratio Lower Upper
146 100
111 37.4 20.0 60.0
148 67.0 31.8 95.4



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.850 ug/l

RT: 14.56 min Scan# 1334

Delta R.T. 0.01 min

Lab File: VD062058.D

Acq: 26 Apr 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

FK-EF-01-008-ABCD

Tot Ion:146 Resp: 13215

Ion Ratio Lower Upper

146 100

111 37.4 20.2 60.5

148 67.0 32.0 96.2

