

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032219\
 Data File : VD061263.D
 Acq On : 22 Mar 2019 16:19
 Operator : VA/AP
 Sample : K1694-03RE
 Misc : 6.78g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-032019-B

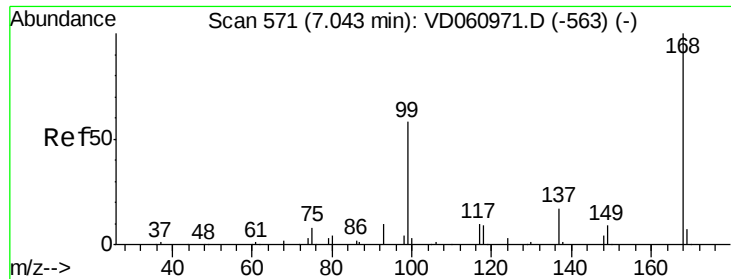
Quant Time: Mar 22 23:27:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.11	168	562798	50.00	ug/l	0.07
34) 1,4-Difluorobenzene	8.27	114	974999	50.00	ug/l	0.06
63) Chlorobenzene-d5	12.40	117	701961	50.00	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	14.54	152	286392	50.00	ug/l	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.51	65	258728	55.23	ug/l	0.07
Spiked Amount			Recovery	=	110.46%	
35) Dibromofluoromethane	6.98	113	399504	55.21	ug/l	0.06
Spiked Amount			Recovery	=	110.42%	
50) Toluene-d8	10.46	98	667121	36.71	ug/l	0.06
Spiked Amount			Recovery	=	73.42%	
62) 4-Bromofluorobenzene	13.58	95	302250	42.87	ug/l	0.03
Spiked Amount			Recovery	=	85.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.12	94	195	Below Cal	#	8
8) Diethyl Ether	2.92	74	5136	2.526	ug/l	86
11) Tert butyl alcohol	4.10	59	387	1.298	ug/l #	75
16) Acetone	3.26	43	51459	38.413	ug/l	97
20) Methylene Chloride	3.87	84	70215	7.534	ug/l	91
31) Cyclohexane	7.02	56	9088	1.096	ug/l	88
36) 1,1-Dichloropropene	7.10	75	38603	4.593	ug/l #	46
38) Carbon Tetrachloride	7.11	117	52971	5.722	ug/l #	16
76) 1,2,3-Trichloropropane	13.58	75	110550	26.831	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.58	75	110530	90.991	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.11 min Scan# 578

Delta R.T. 0.07 min

Lab File: VD061263.D

Acq: 22 Mar 2019 16:19

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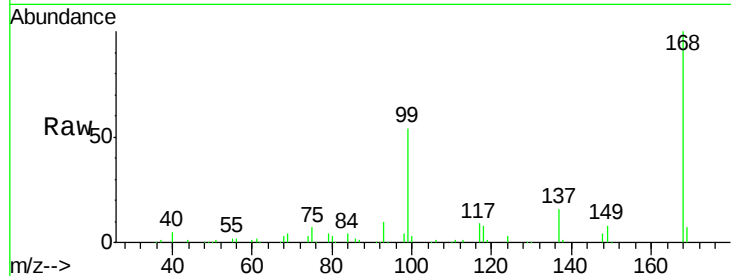
EO-02-032019-B

Tot Ion:168 Resp: 562798

Ion Ratio Lower Upper

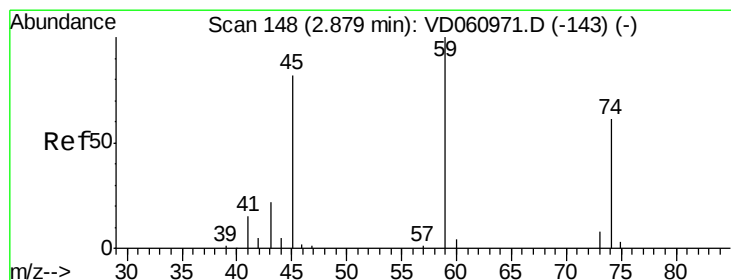
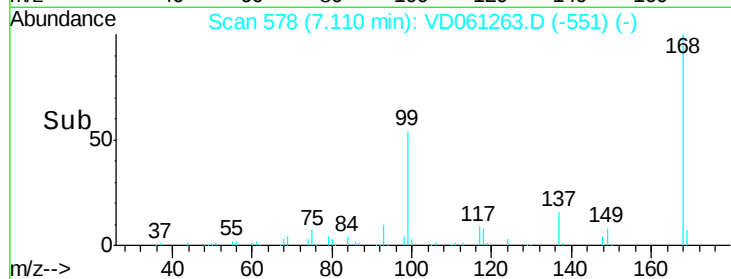
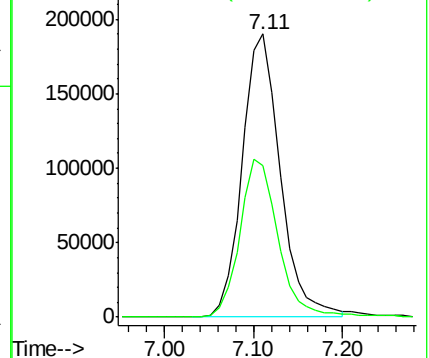
168 100

99 53.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 2.526 ug/l

RT: 2.92 min Scan# 152

Delta R.T. 0.04 min

Lab File: VD061263.D

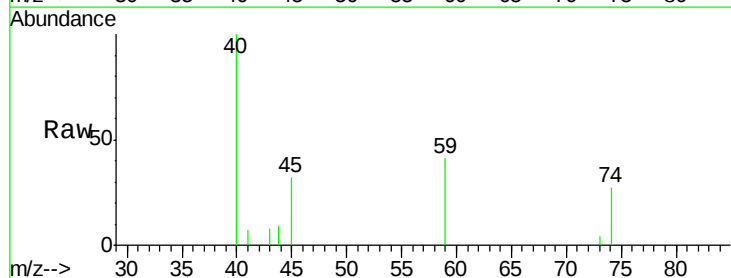
Acq: 22 Mar 2019 16:19

Tgt Ion: 74 Resp: 5136

Ion Ratio Lower Upper

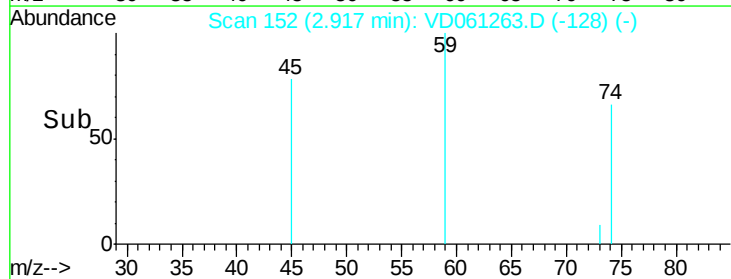
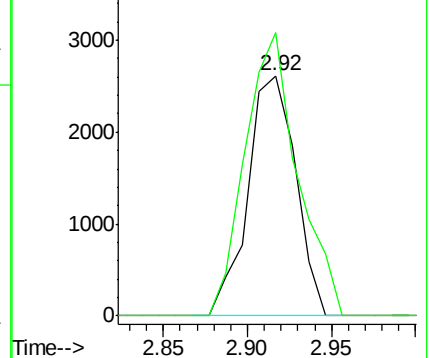
74 100

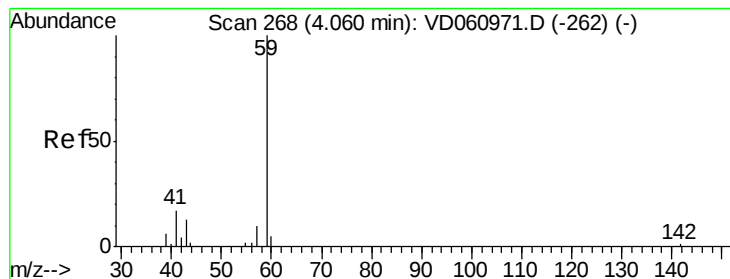
45 118.0 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



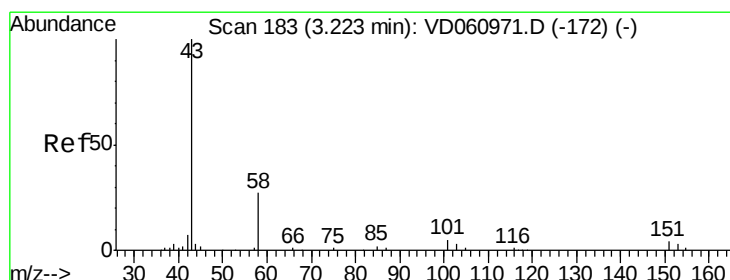
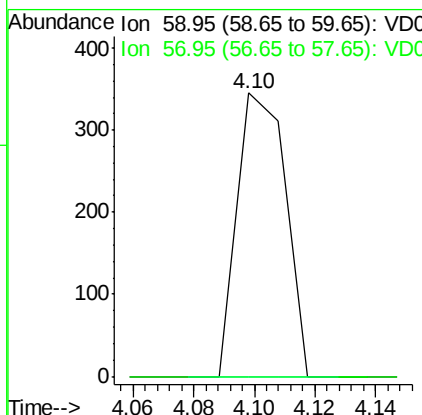
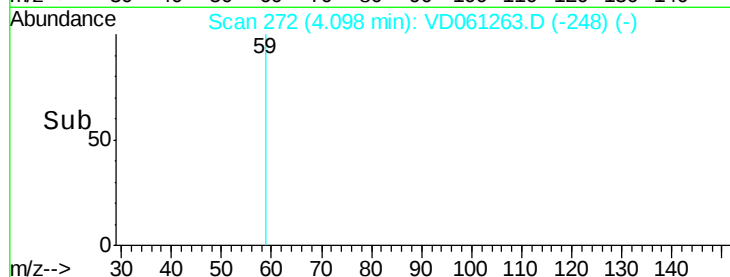
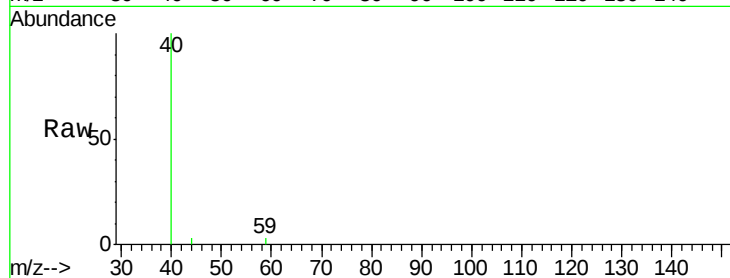


#11

Tert butyl alcohol
 Concen: 1.298 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.04 min
 Lab File: VD061263.D
 Acq: 22 Mar 2019 16:19

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-032019-B

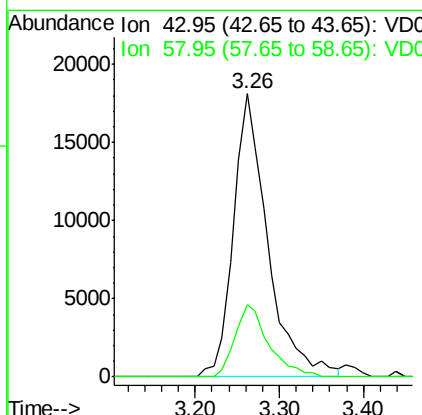
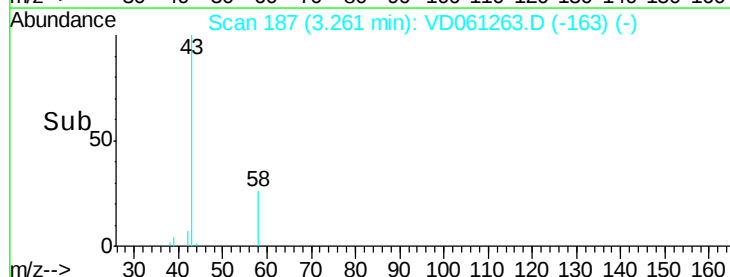
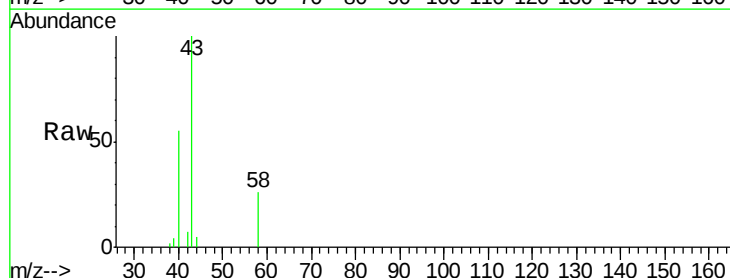
Tot Ion: 59 Resp: 387
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.1 10.7#

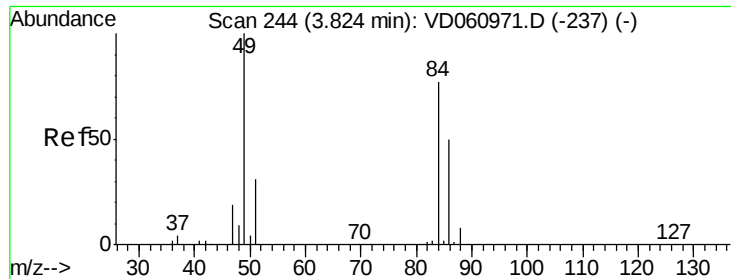


#16

Acetone
 Concen: 38.413 ug/l
 RT: 3.26 min Scan# 187
 Delta R.T. 0.04 min
 Lab File: VD061263.D
 Acq: 22 Mar 2019 16:19

Tgt Ion: 43 Resp: 51459
 Ion Ratio Lower Upper
 43 100
 58 25.5 21.6 32.4



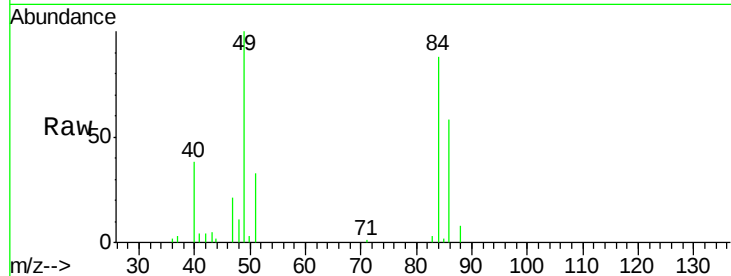


#20
Methvlene Chloride
Concen: 7.534 ug/l
RT: 3.87 min Scan# 249
Delta R.T. 0.05 min
Lab File: VD061263.D
Acq: 22 Mar 2019 16:19

Instrument :
MSVOA_D
ClientSampleId :
EO-02-032019-B

Tot Ion: 84 Resp: 70215

Ion	Ratio	Lower	Upper
84	100		
49	113.6	104.2	156.2
51	37.5	32.3	48.5
86	65.9	52.3	78.5

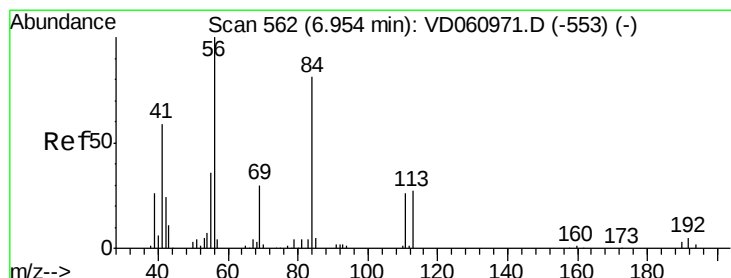
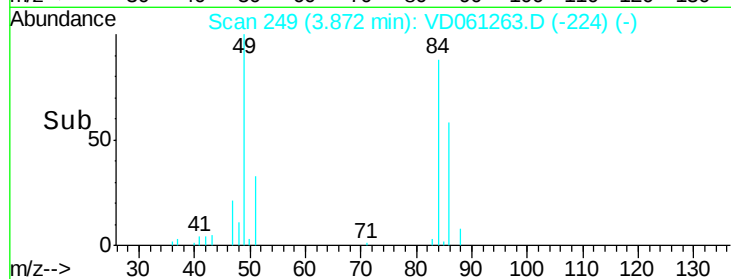
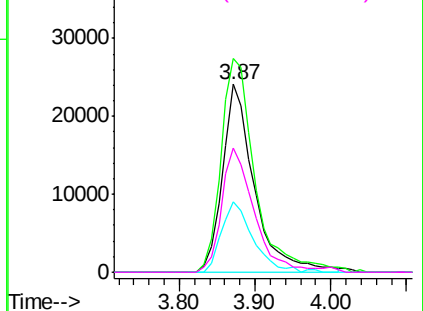


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

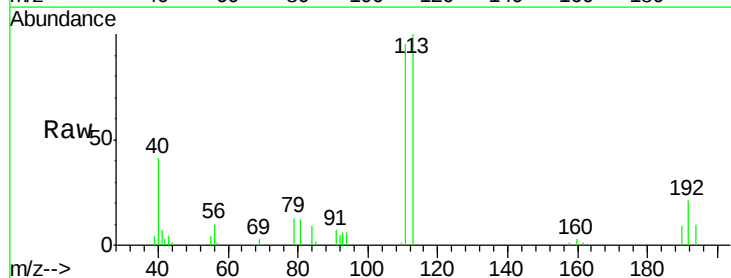
Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.07 min
Lab File: VD061263.D
Acq: 22 Mar 2019 16:19

Tgt Ion: 56 Resp: 9088

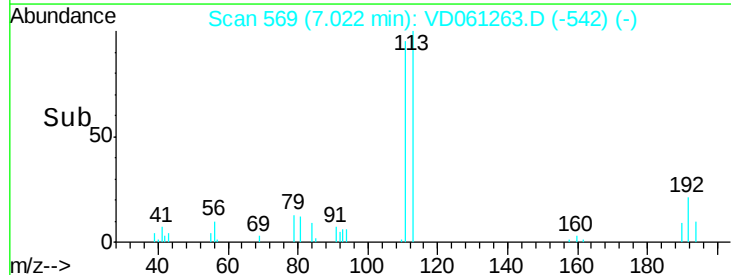
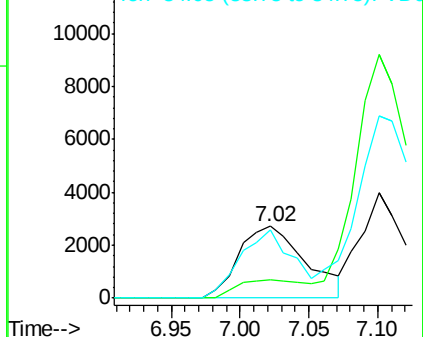
Ion	Ratio	Lower	Upper
56	100		
69	26.0	24.0	36.0
84	94.5	65.8	98.6

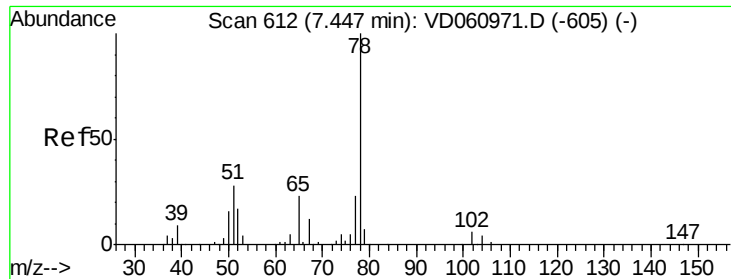


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

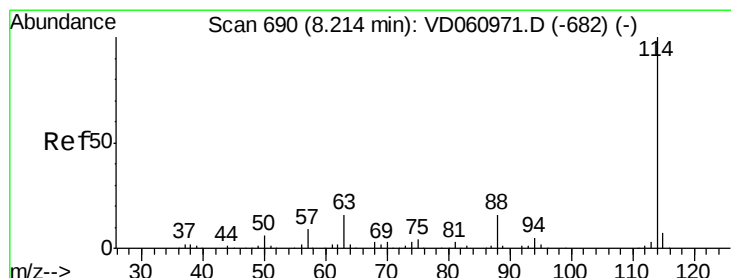
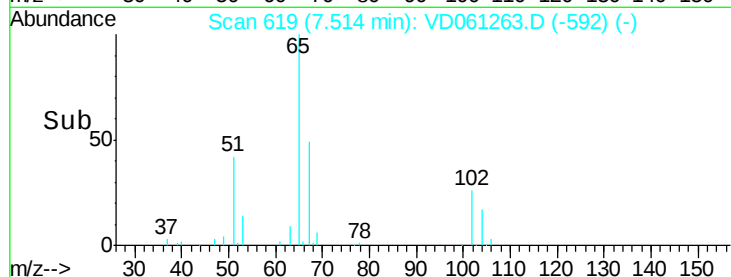
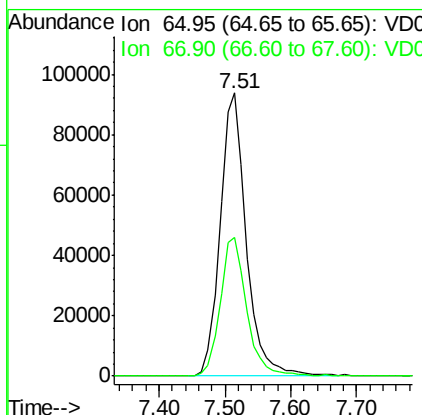
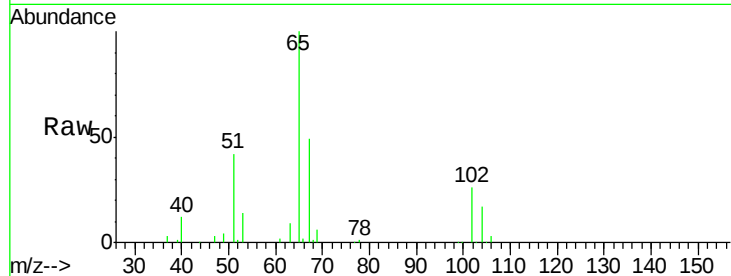




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.51 min Scan# 619
 Delta R.T. 0.07 min
 Lab File: VD061263.D
 Acq: 22 Mar 2019 16:19

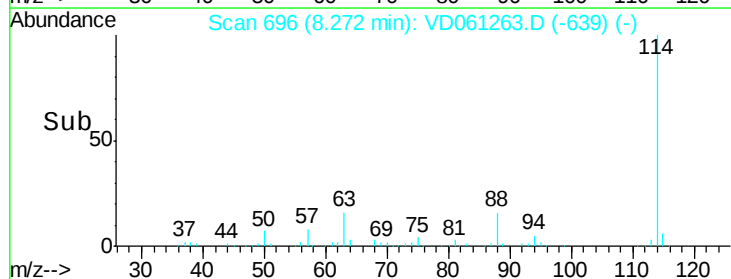
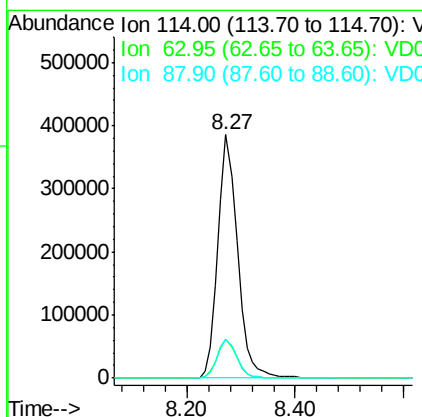
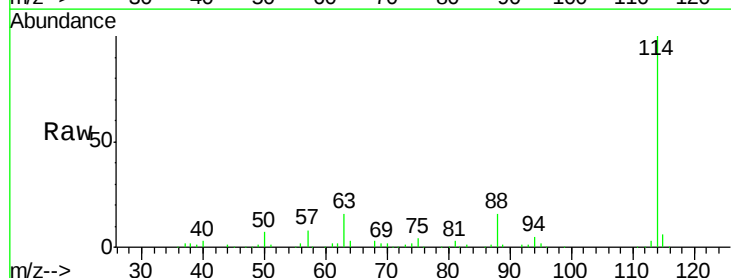
Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-032019-B

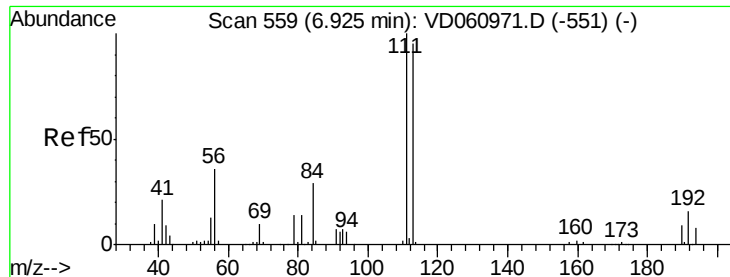
Tot Ion: 65 Resp: 258728
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.27 min Scan# 696
 Delta R.T. 0.06 min
 Lab File: VD061263.D
 Acq: 22 Mar 2019 16:19

Tgt Ion: 114 Resp: 974999
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.4
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.06 min

Lab File: VD061263.D

Acq: 22 Mar 2019 16:19

Instrument :

MSVOA_D

ClientSampleId :

EO-02-032019-B

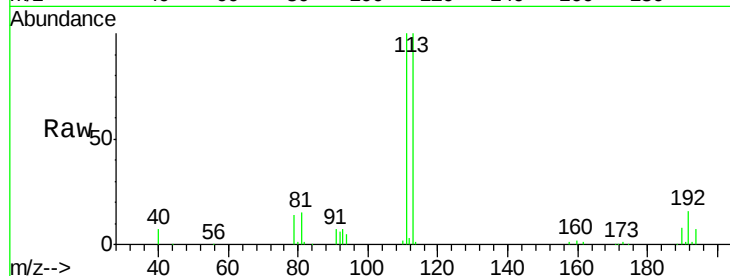
Tot Ion:113 Resp: 399504

Ion Ratio Lower Upper

113 100

111 100.5 84.2 126.4

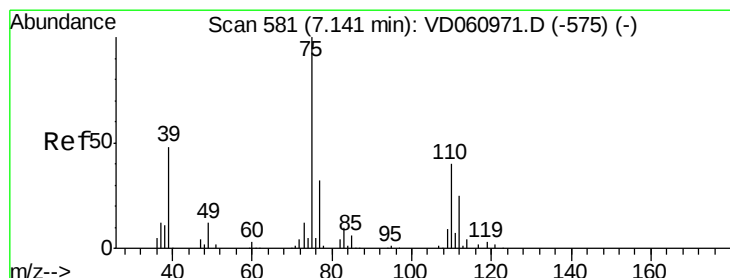
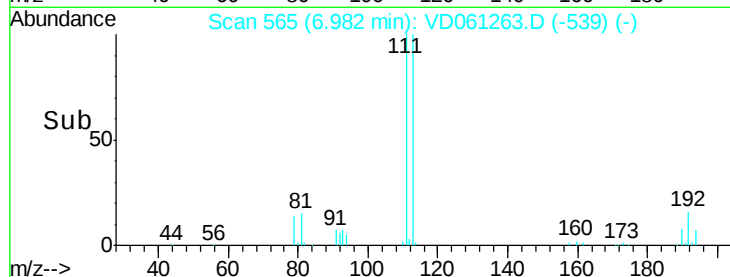
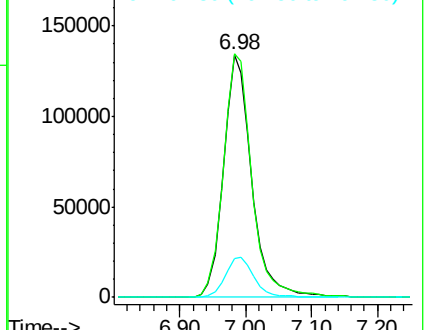
192 16.2 13.1 19.7



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: 4.593 ug/l

RT: 7.10 min Scan# 577

Delta R.T. -0.04 min

Lab File: VD061263.D

Acq: 22 Mar 2019 16:19

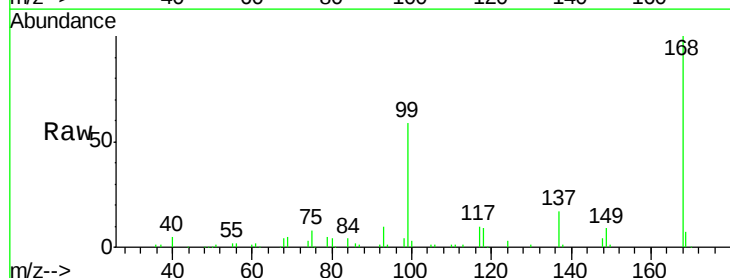
Tgt Ion: 75 Resp: 38603

Ion Ratio Lower Upper

75 100

110 7.4 19.7 59.1#

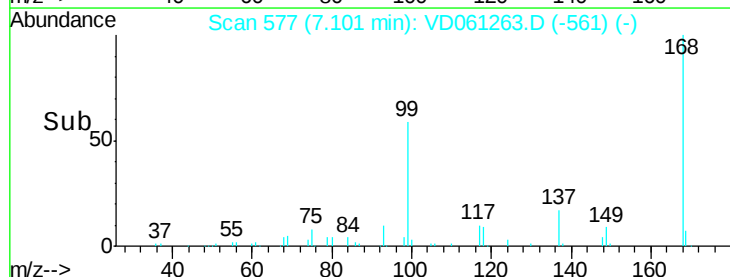
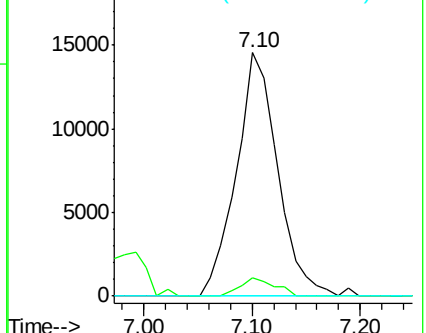
77 0.0 24.7 37.1#

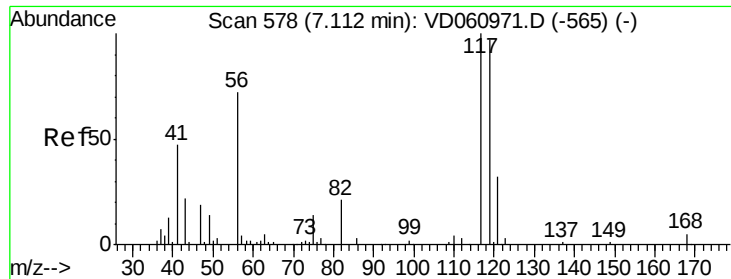


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.722 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD061263.D

Acq: 22 Mar 2019 16:19

Instrument :

MSVOA_D

ClientSampleId :

EO-02-032019-B

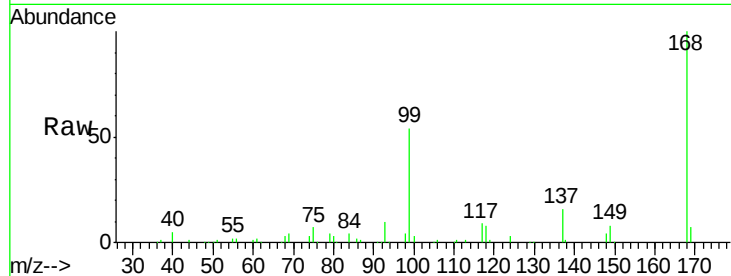
Tot Ion:117 Resp: 52971

Ion Ratio Lower Upper

117 100

119 5.6 77.8 116.8#

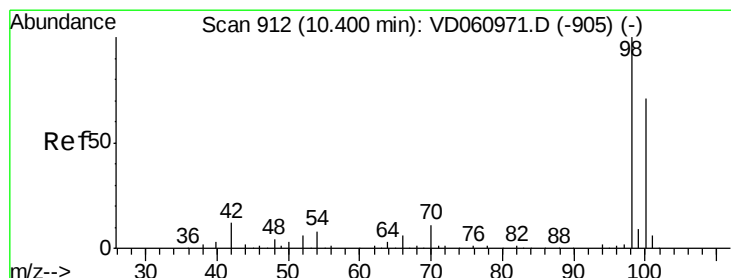
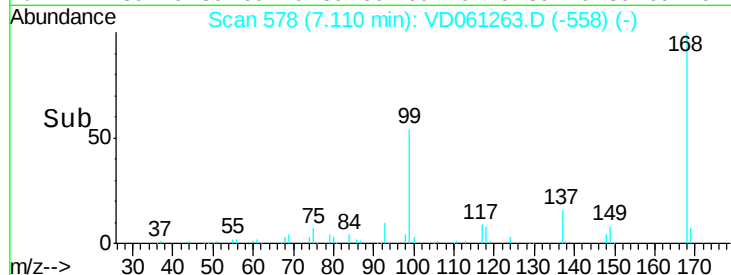
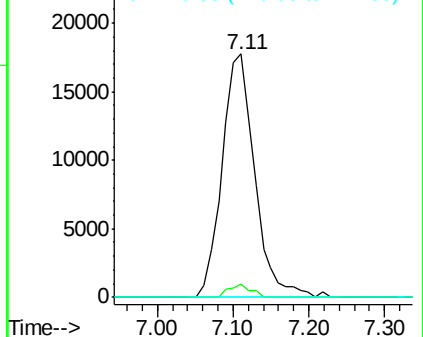
121 0.0 25.3 37.9#



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: 10.46 min Scan# 918

Delta R.T. 0.06 min

Lab File: VD061263.D

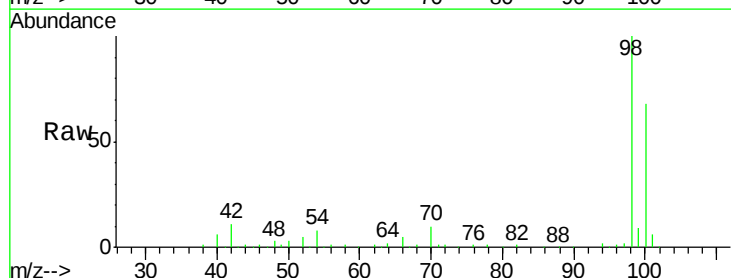
Acq: 22 Mar 2019 16:19

Tgt Ion: 98 Resp: 667121

Ion Ratio Lower Upper

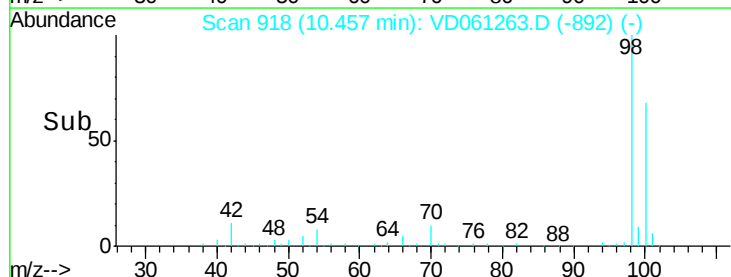
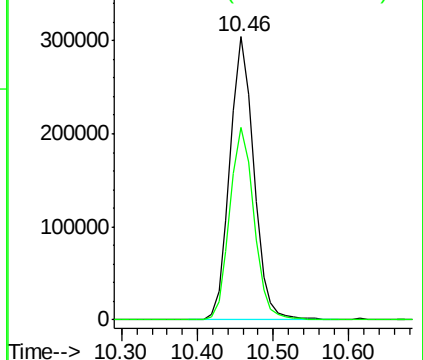
98 100

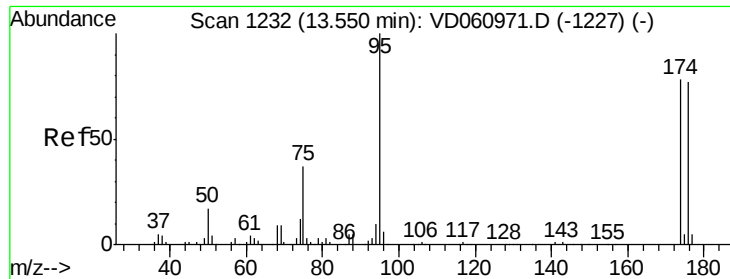
100 68.2 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

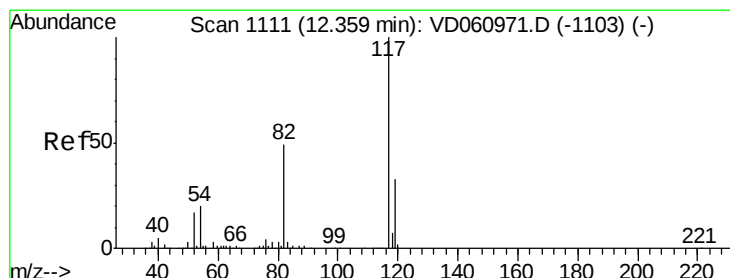
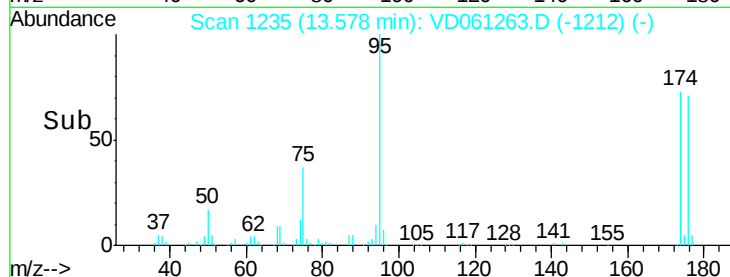
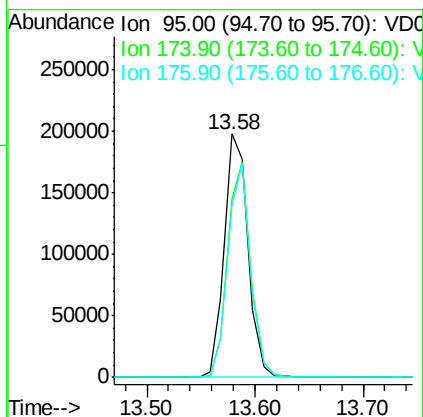
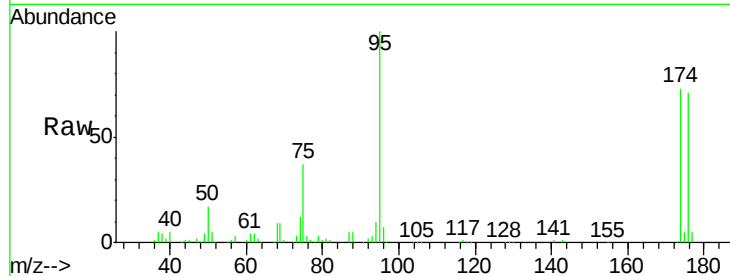




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.58 min Scan# 1235
Delta R.T. 0.03 min
Lab File: VD061263.D
Acq: 22 Mar 2019 16:19

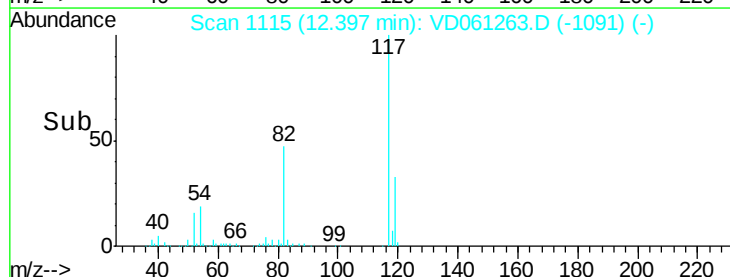
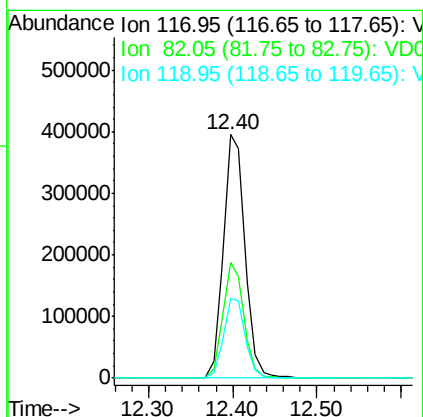
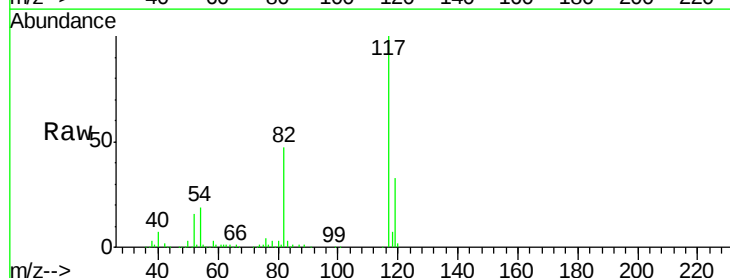
Instrument :
MSVOA_D
ClientSampleId :
EO-02-032019-B

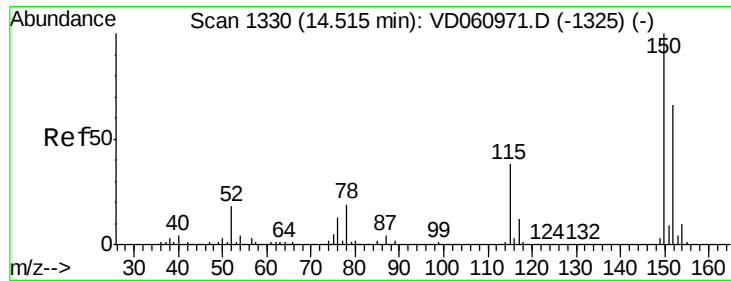
Tot Ion: 95 Resp: 302250
Ion Ratio Lower Upper
95 100
174 73.2 0.0 155.6
176 70.5 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VD061263.D
Acq: 22 Mar 2019 16:19

Tgt Ion: 117 Resp: 701961
Ion Ratio Lower Upper
117 100
82 47.5 38.9 58.3
119 32.6 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1333

Delta R.T. 0.03 min

Lab File: VD061263.D

Acq: 22 Mar 2019 16:19

Instrument :

MSVOA_D

ClientSampleId :

EO-02-032019-B

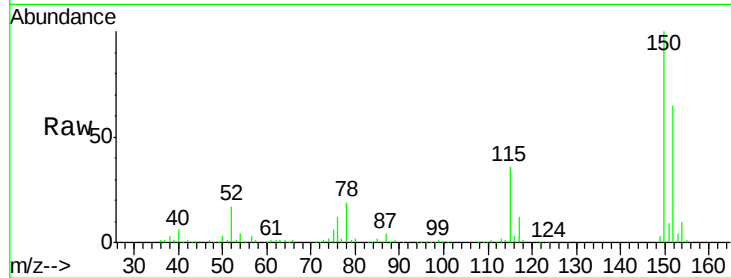
Tot Ion:152 Resp: 286392

Ion Ratio Lower Upper

152 100

115 55.1 28.6 85.9

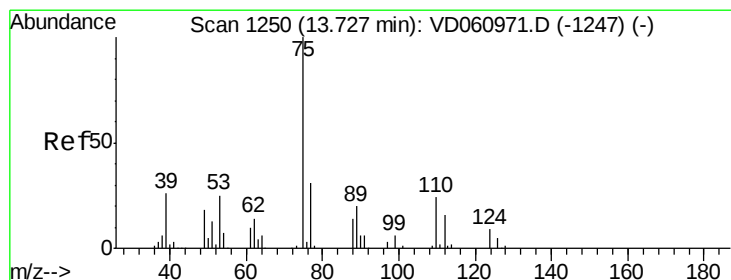
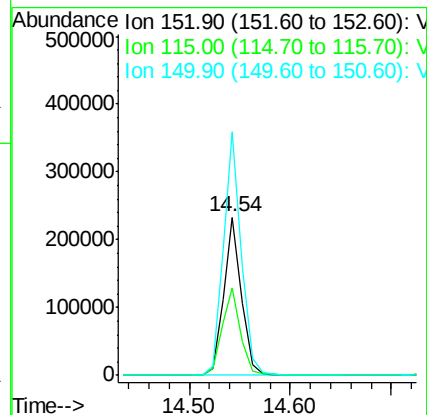
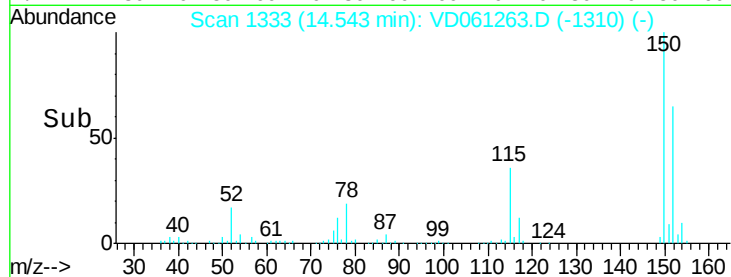
150 153.8 0.0 310.6



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



#76

1,2,3-Trichloropropane

Concen: 26.831 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. -0.15 min

Lab File: VD061263.D

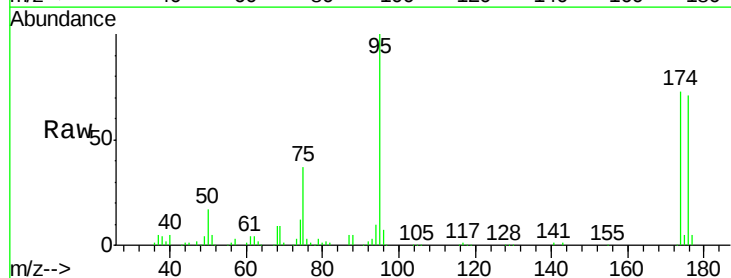
Acq: 22 Mar 2019 16:19

Tgt Ion: 75 Resp: 110550

Ion Ratio Lower Upper

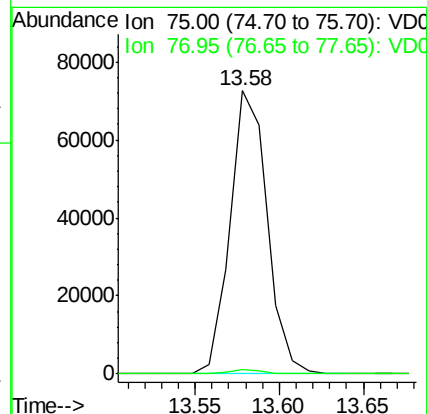
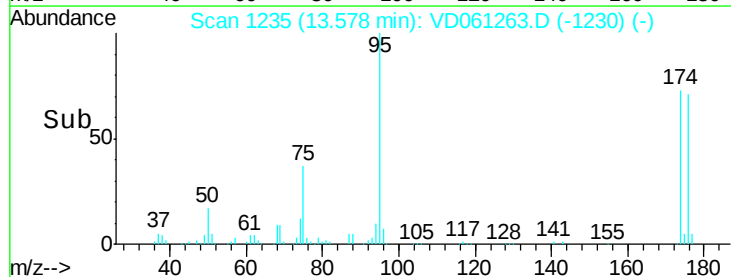
75 100

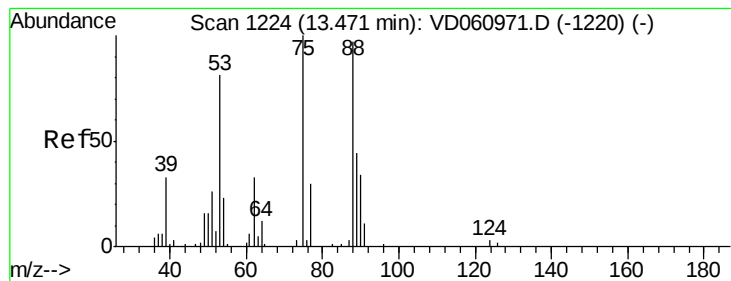
77 1.4 16.6 49.7#



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: 90.991 ug/l

RT: 13.58 min Scan# 1235

Delta R.T. 0.11 min

Lab File: VD061263.D

Acq: 22 Mar 2019 16:19

Instrument :

MSVOA_D

ClientSampleId :

EO-02-032019-B

Tot Ion: 75 Resp: 110530

Ion Ratio Lower Upper

75 100

53 0.0 64.4 96.6#

89 0.0 34.8 52.2#

