

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062119\
 Data File : VD062816.D
 Acq On : 21 Jun 2019 15:09
 Operator : VA/AP
 Sample : K3158-05
 Misc : 5.73q/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-03-062019

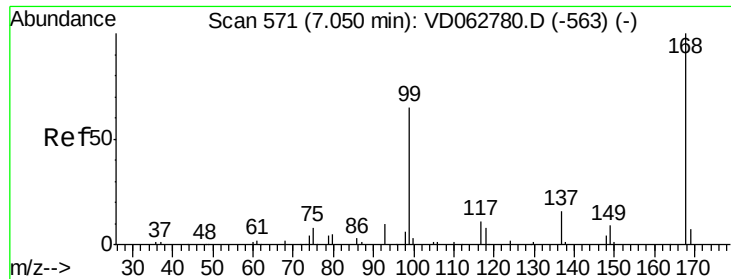
Quant Time: Jun 22 04:13:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	564728	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	807324	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	516571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	192830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	413834	67.42	ug/l	0.00
Spiked Amount			Recovery	=	134.84%	
35) Dibromofluoromethane	6.94	113	419377	61.61	ug/l	0.00
Spiked Amount			Recovery	=	123.22%	
50) Toluene-d8	10.43	98	683291	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
62) 4-Bromofluorobenzene	13.57	95	260588	38.68	ug/l	0.00
Spiked Amount			Recovery	=	77.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.99	59	365	1.306	ug/l #	77
13) Acrolein	3.07	56	326	1.142	ug/l #	15
16) Acetone	3.23	43	29337	17.048	ug/l #	92
20) Methylene Chloride	3.83	84	32547	6.952	ug/l #	93
31) Cyclohexane	7.06	56	14507	2.517	ug/l #	12
36) 1,1-Dichloropropene	7.06	75	45138	5.906	ug/l #	54
37) Ethyl Acetate	6.12	43	792	Below Cal	#	69
38) Carbon Tetrachloride	7.05	117	57676	5.018	ug/l #	17
51) 4-Methyl-2-Pentanone	10.42	43	5245	1.846	ug/l #	2
81) trans-1,4-Dichloro-2-buten	13.57	75	118798	203.623	ug/l #	2

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD062816.D

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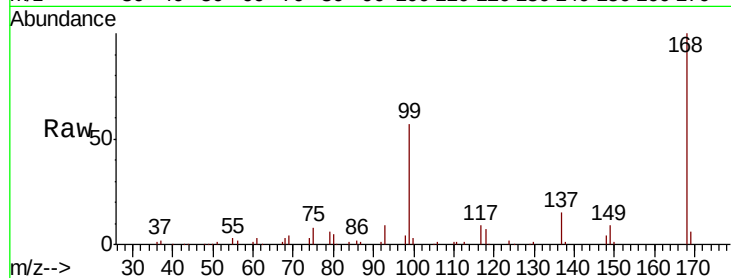
OK-03-062019

Tot Ion:168 Resp: 564728

Ion Ratio Lower Upper

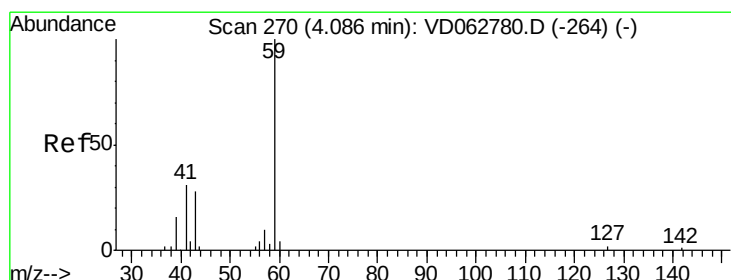
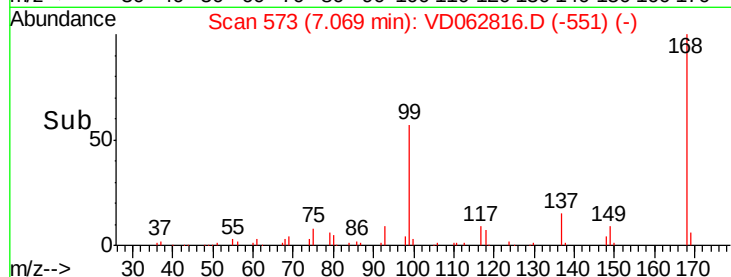
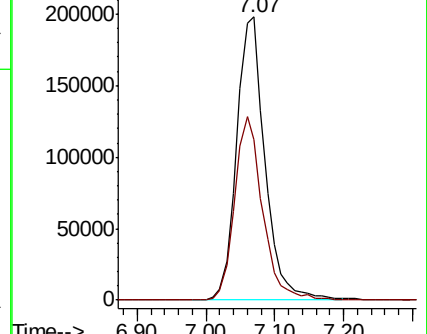
168 100

99 56.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.306 ug/l

RT: 3.99 min Scan# 260

Delta R.T. -0.10 min

Lab File: VD062816.D

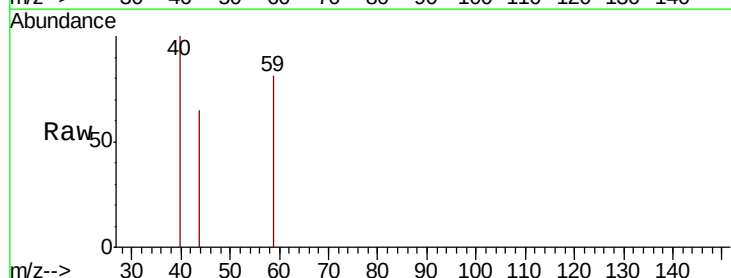
Acq: 21 Jun 2019 15:09

Tgt Ion: 59 Resp: 365

Ion Ratio Lower Upper

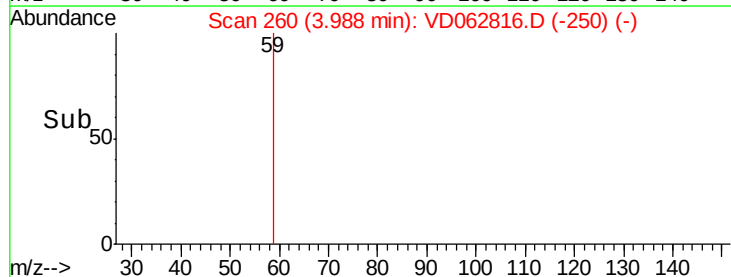
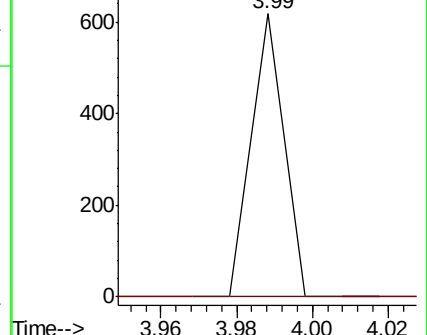
59 100

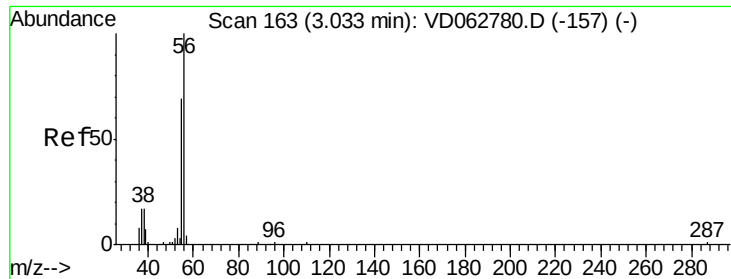
57 0.0 6.6 10.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.142 ug/l

RT: 3.07 min Scan# 167

Delta R.T. 0.04 min

Lab File: VD062816.D

Acq: 21 Jun 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

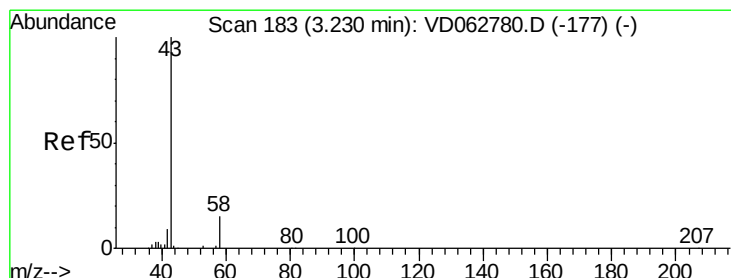
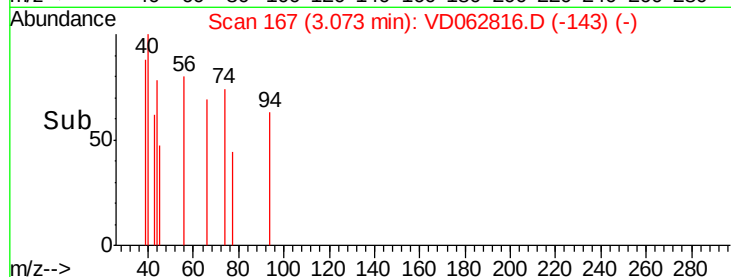
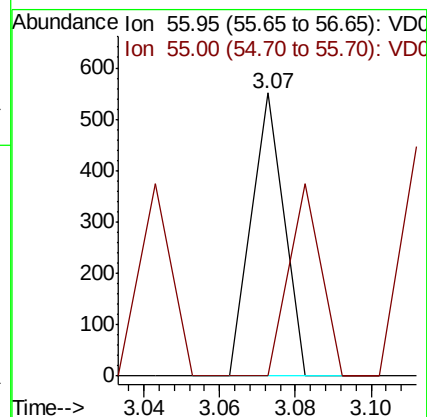
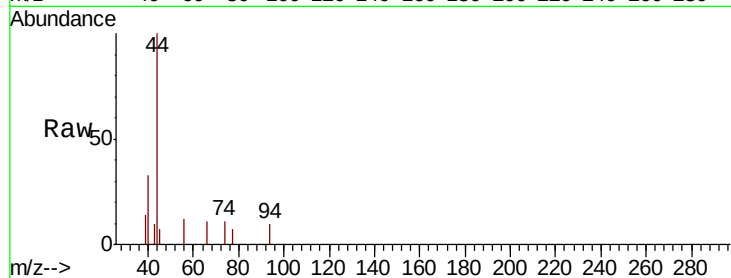
OK-03-062019

Tot Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



#16

Acetone

Concen: 17.048 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062816.D

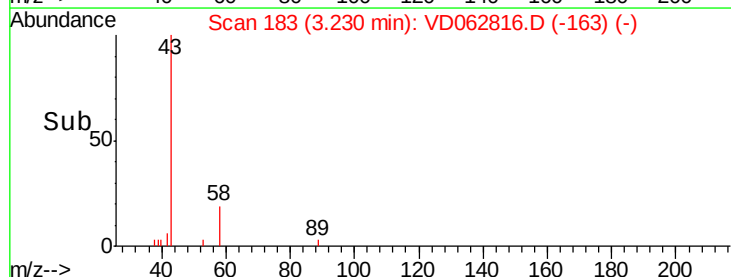
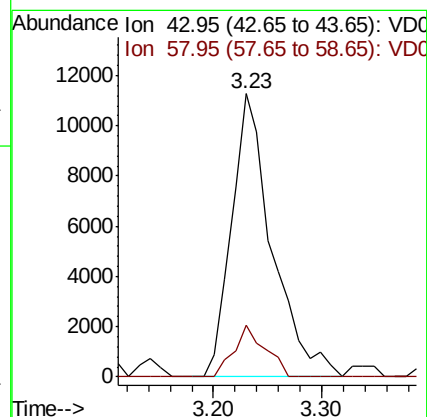
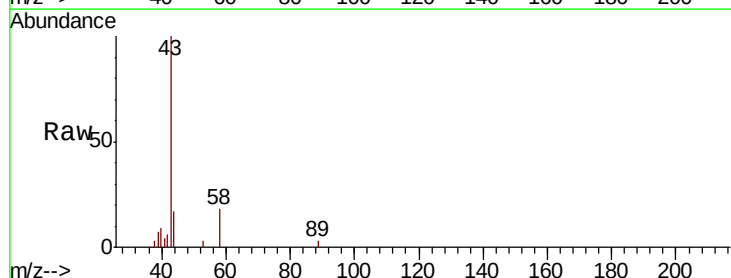
Acq: 21 Jun 2019 15:09

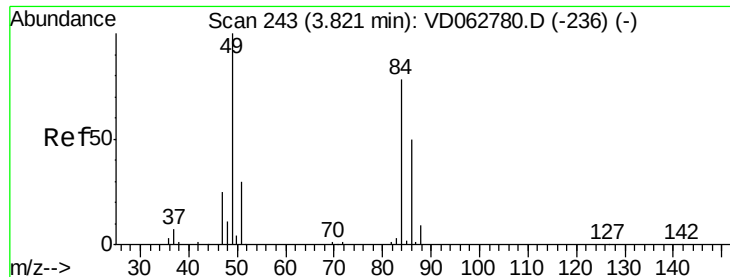
Tgt Ion: 43 Resp: 29337

Ion Ratio Lower Upper

43 100

58 18.3 11.9 17.9#

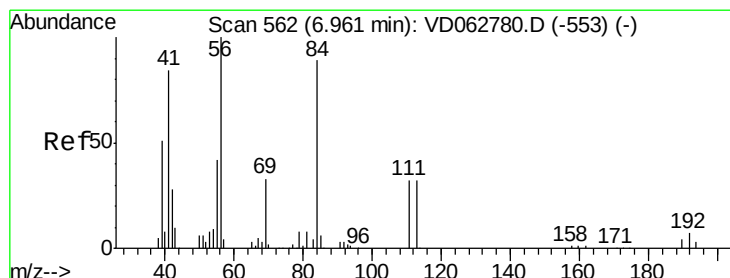
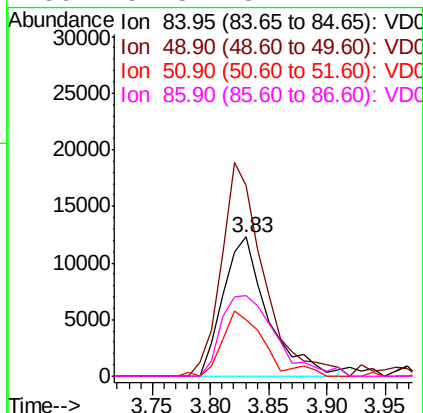
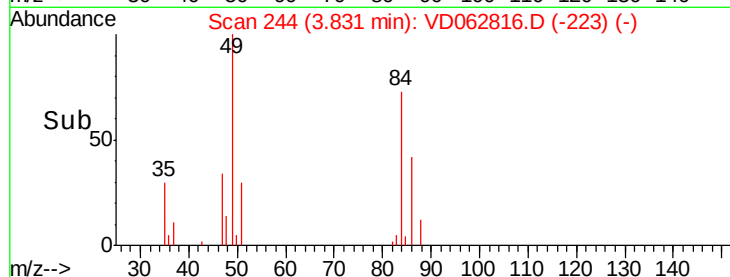
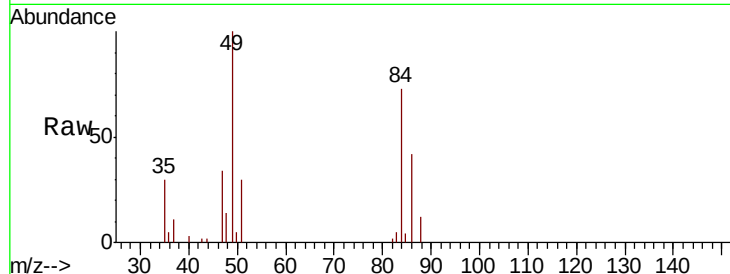




#20
Methylene Chloride
Concen: 6.952 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

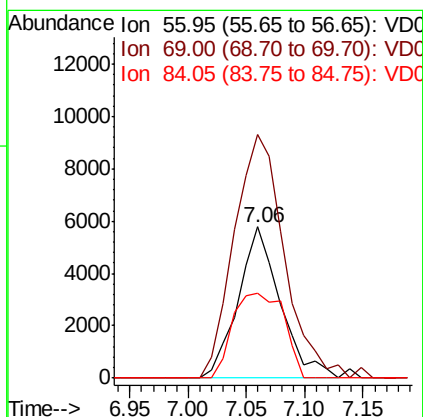
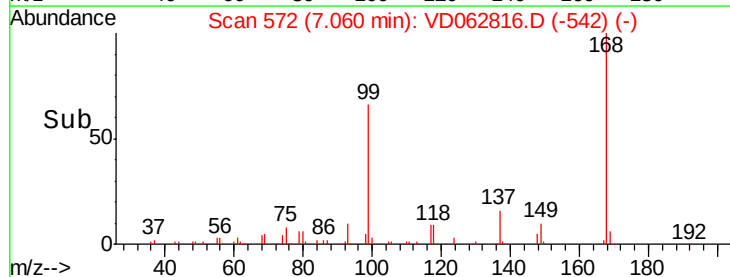
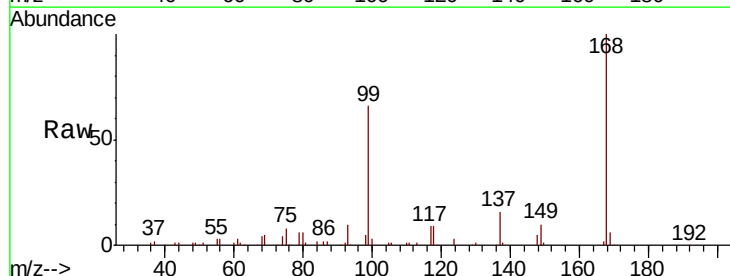
Instrument :
MSVOA_D
ClientSampleId :
OK-03-062019

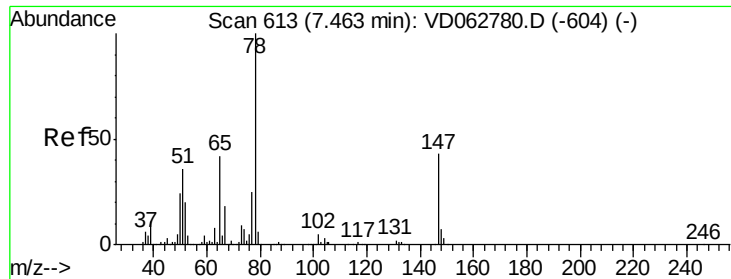
Tot Ion: 84 Resp: 32547
Ion Ratio Lower Upper
84 100
49 137.0 102.9 154.3
51 40.6 31.2 46.8
86 57.8 51.4 77.2



#31
Cyclohexane
Concen: 2.517 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.10 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

Tgt Ion: 56 Resp: 14507
Ion Ratio Lower Upper
56 100
69 160.9 26.6 39.8#
84 56.1 75.5 113.3#





#33

1,2-Dichloroethane-d4

Concen: 67.416 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.01 min

Lab File: VD062816.D

Acq: 21 Jun 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

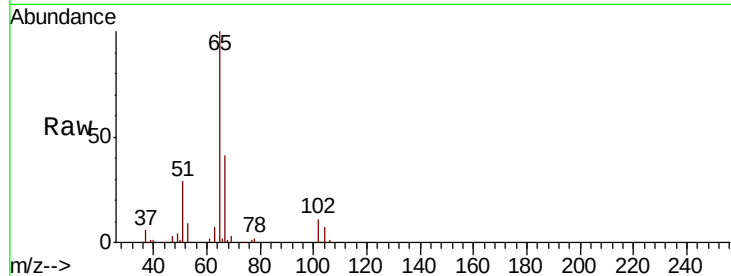
OK-03-062019

Tot Ion: 65 Resp: 413834

Ion Ratio Lower Upper

65 100

67 40.9 0.0 87.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

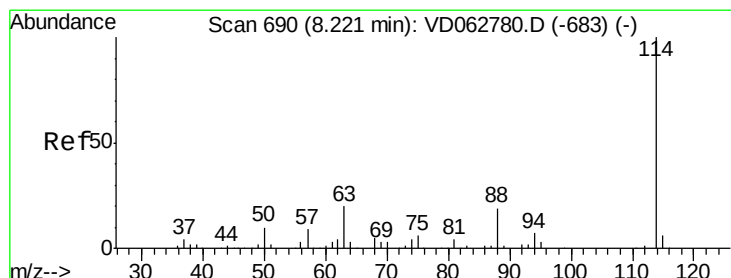
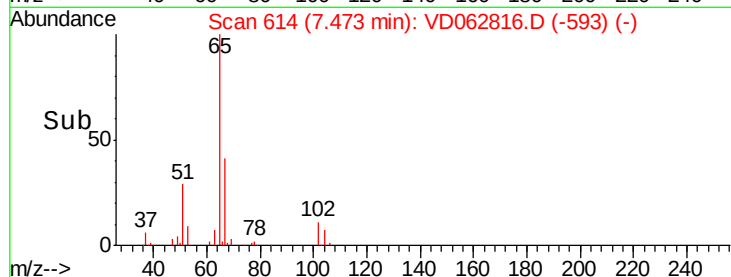
150000

100000

50000

0

Time--> 7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.02 min

Lab File: VD062816.D

Acq: 21 Jun 2019 15:09

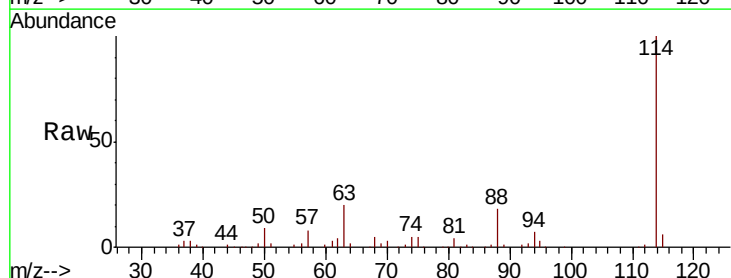
Tgt Ion: 114 Resp: 807324

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 17.8 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.24

400000

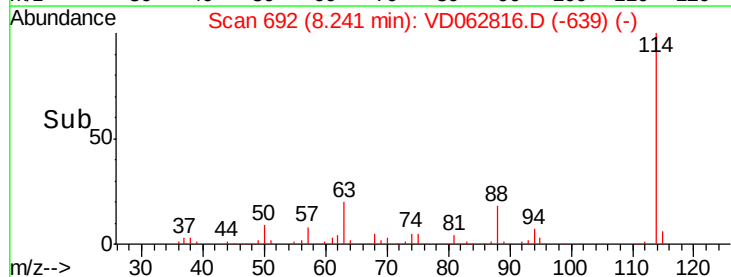
300000

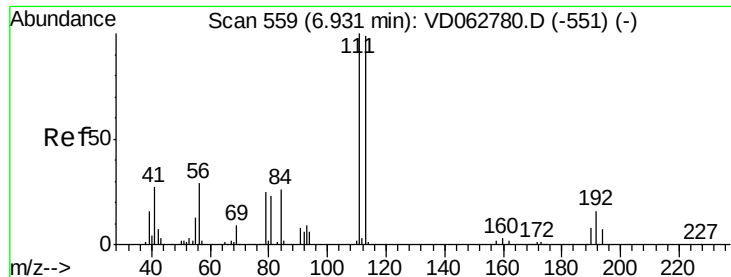
200000

100000

0

Time--> 8.10 8.20 8.30 8.40

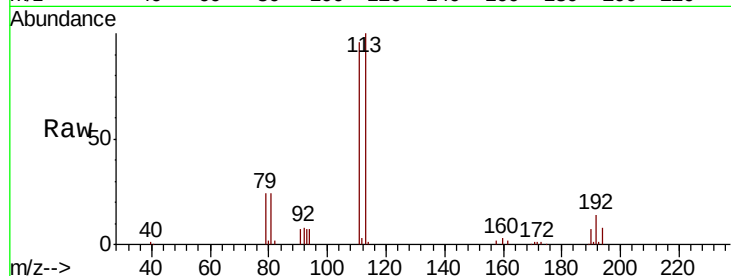




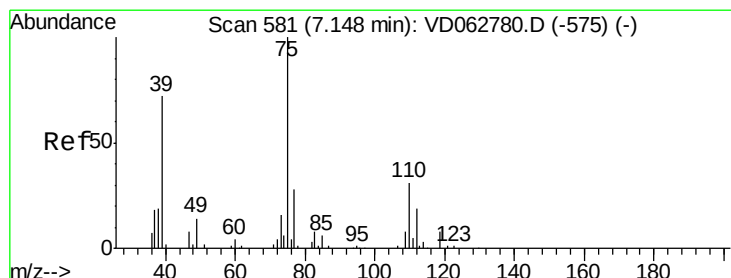
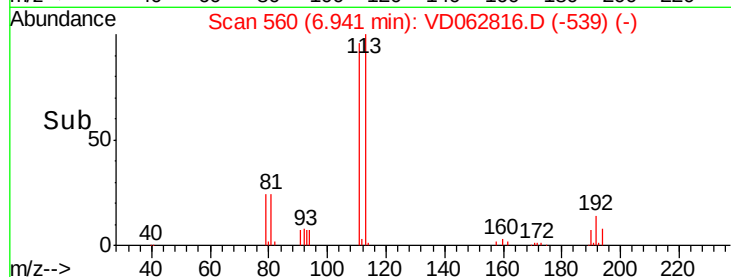
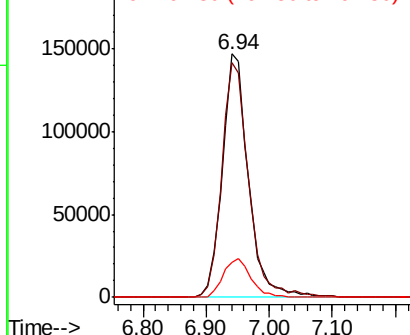
#35
Dibromofluoromethane
Concen: 61.607 ug/l
RT: 6.94 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
OK-03-062019

Tot Ion:113 Resp: 419377
Ion Ratio Lower Upper
113 100
111 96.5 81.2 121.8
192 14.4 12.9 19.3

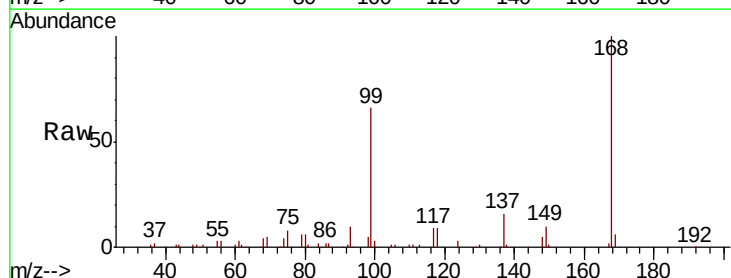


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

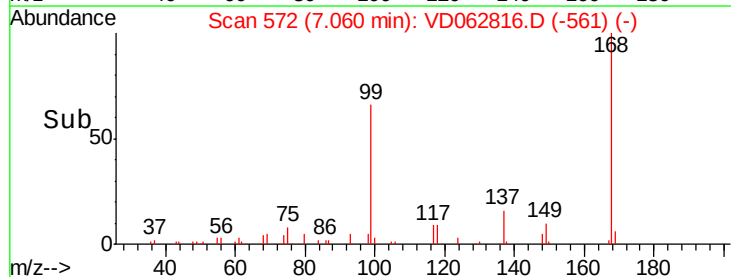
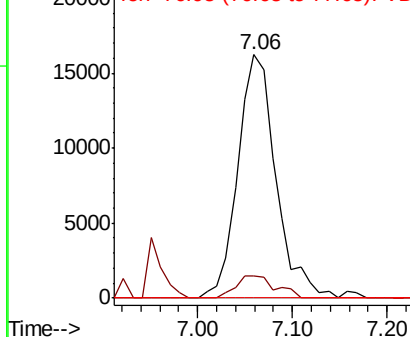


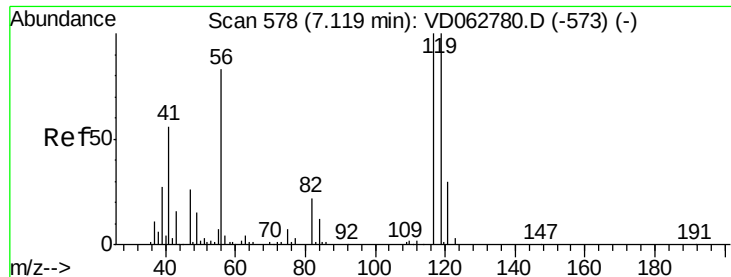
#36
1,1-Dichloropropene
Concen: 5.906 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.09 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

Tgt Ion: 75 Resp: 45138
Ion Ratio Lower Upper
75 100
110 9.1 15.0 45.1#
77 0.0 22.2 33.2#



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

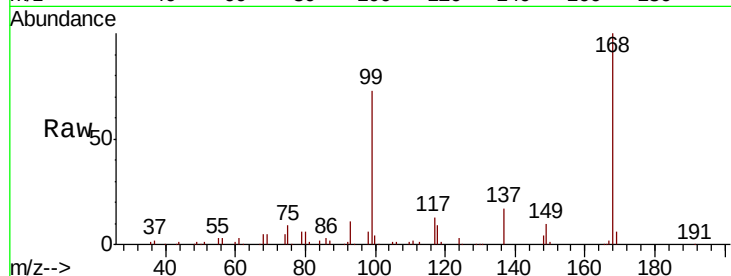




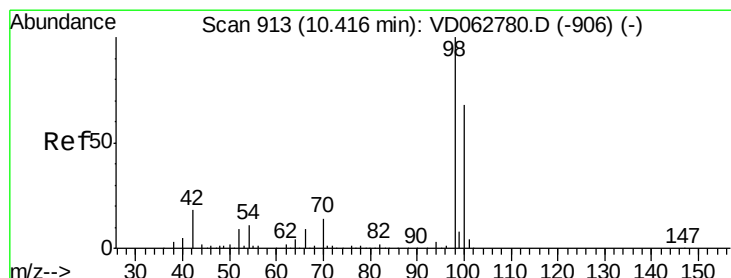
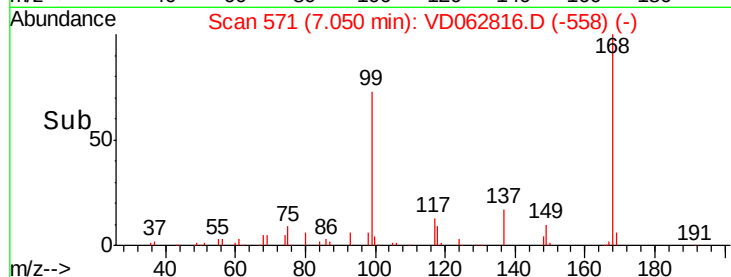
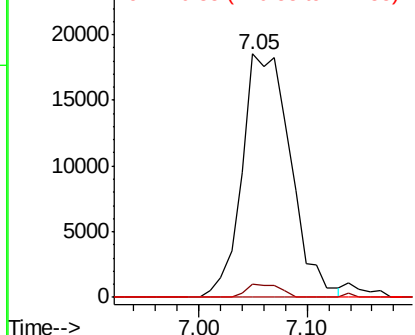
#38
Carbon Tetrachloride
Concen: 5.018 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.07 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

Instrument :
MSVOA_D
ClientSampleId :
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Tot Ion:117 Resp: 57676
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 22.3 33.5#

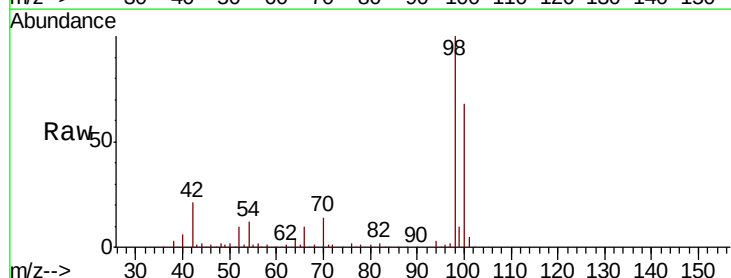


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

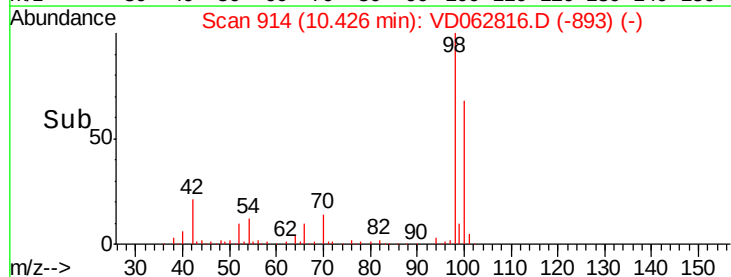
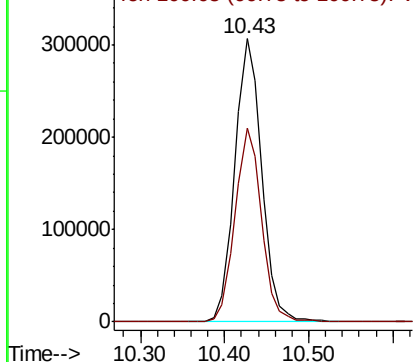


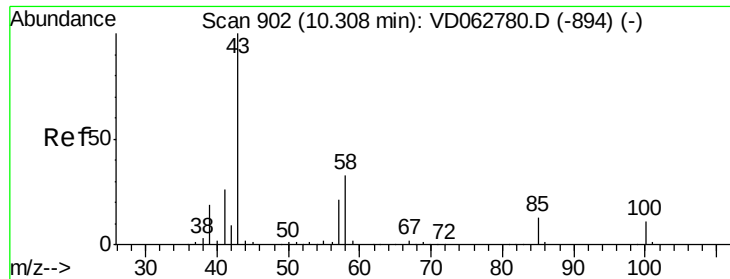
#50
Toluene-d8
Concen: 46.119 ug/l
RT: 10.43 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

Tgt Ion: 98 Resp: 683291
Ion Ratio Lower Upper
98 100
100 68.3 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.846 ug/l

RT: 10.42 min Scan# 913

Delta R.T. 0.11 min

Lab File: VD062816.D

Acq: 21 Jun 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

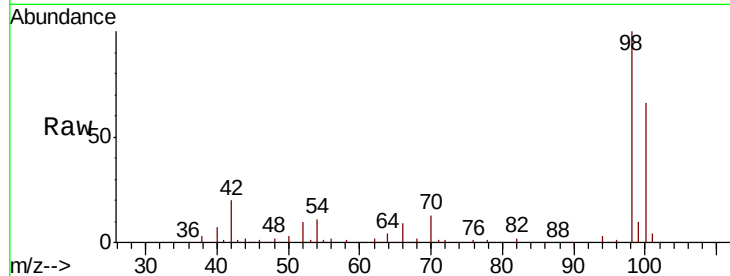
OK-03-062019

Tot Ion: 43 Resp: 5245

Ion Ratio Lower Upper

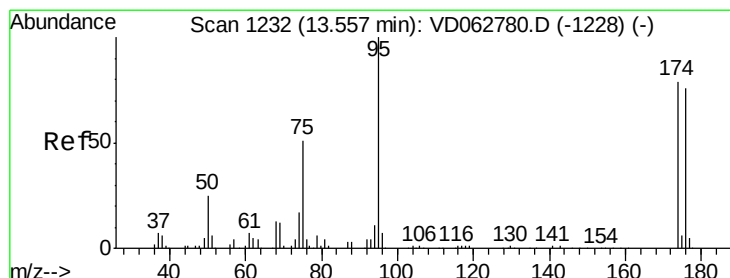
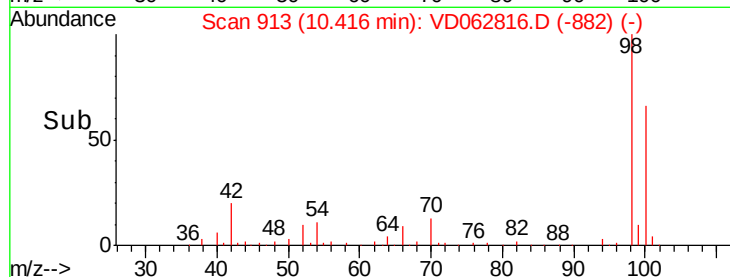
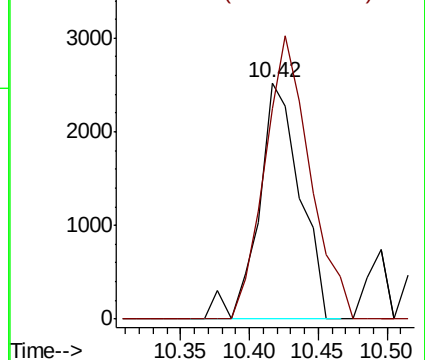
43 100

58 89.1 26.6 40.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 38.681 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062816.D

Acq: 21 Jun 2019 15:09

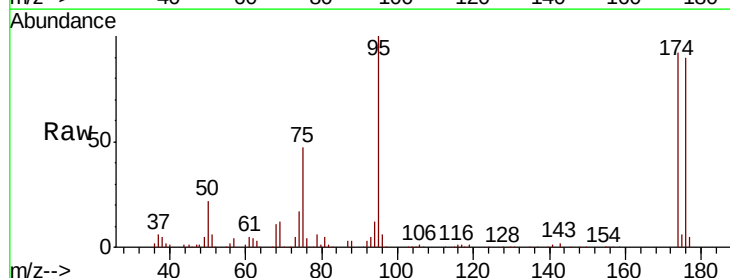
Tgt Ion: 95 Resp: 260588

Ion Ratio Lower Upper

95 100

174 92.4 0.0 158.0

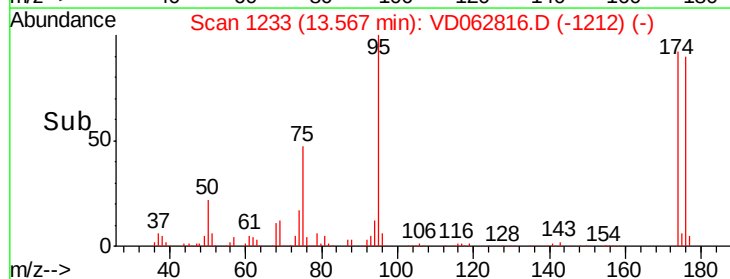
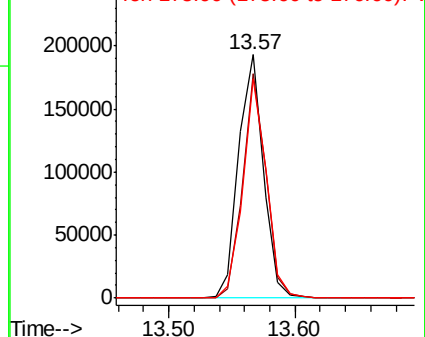
176 90.0 0.0 151.6

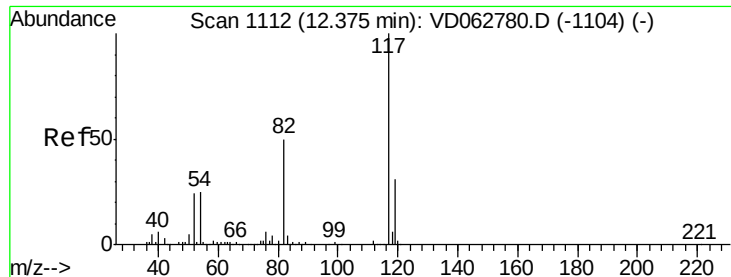


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

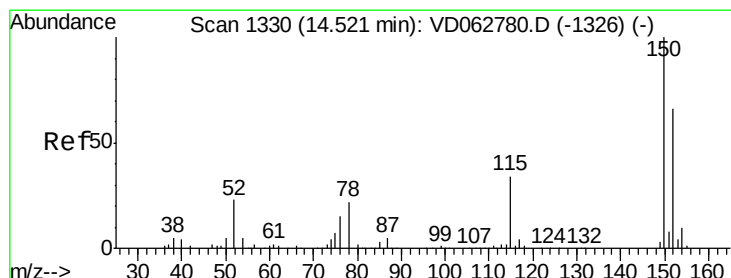
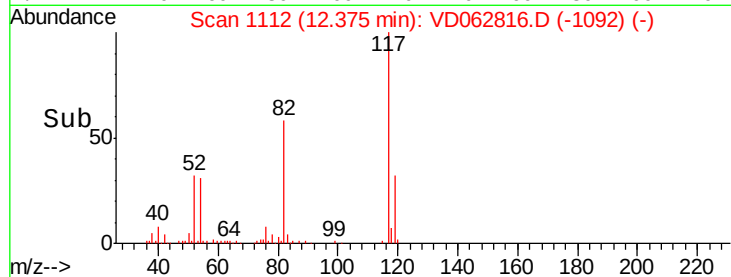
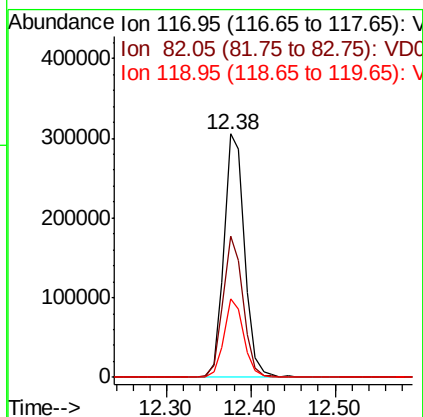
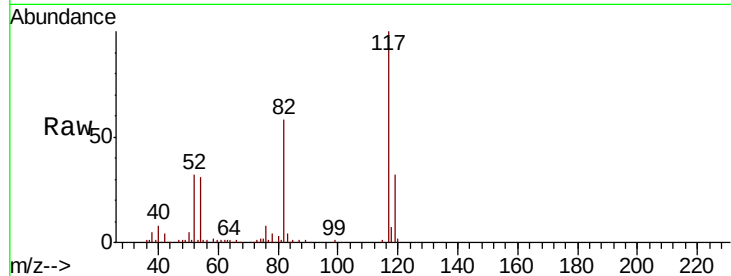




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

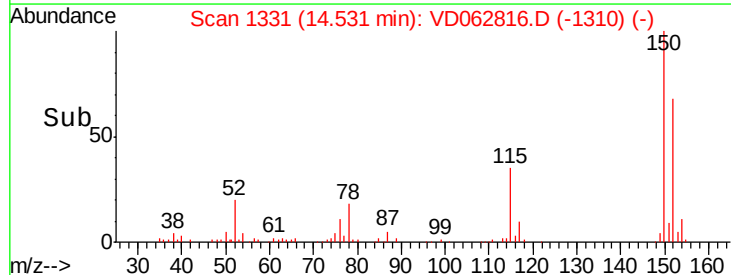
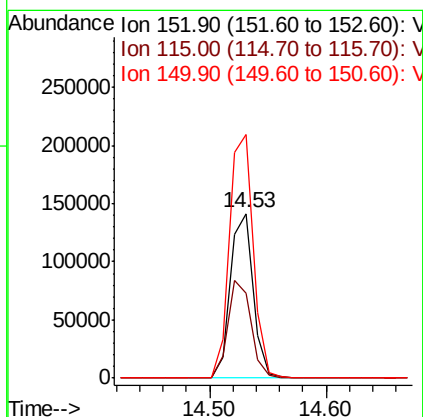
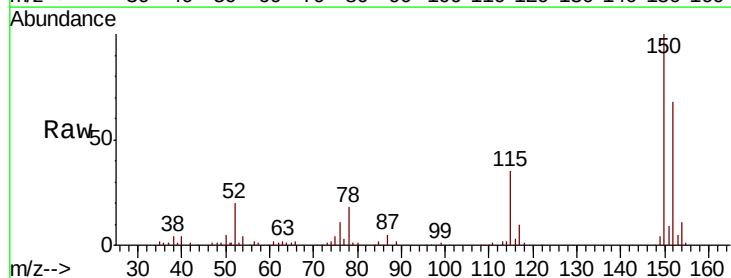
Instrument :
MSVOA_D
ClientSampleId :
OK-03-062019

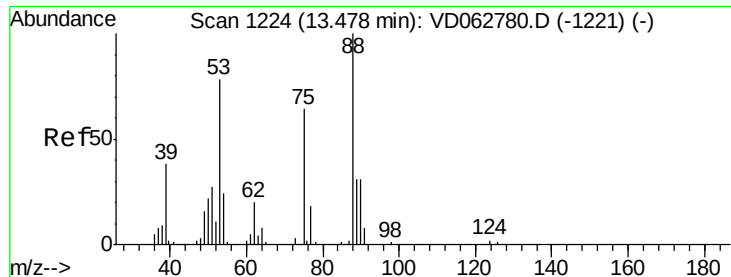
Tot Ion:117 Resp: 516571
Ion Ratio Lower Upper
117 100
82 57.9 40.4 60.6
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062816.D
Acq: 21 Jun 2019 15:09

Tgt Ion:152 Resp: 192830
Ion Ratio Lower Upper
152 100
115 51.8 29.2 87.6
150 148.0 0.0 305.8





#81

trans-1,4-Dichloro-2-butene

Concen: 203.623 ug/l

RT: 13.57 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062816.D

Acq: 21 Jun 2019 15:09

Instrument :

MSVOA_D

ClientSampleId :

OK-03-062019

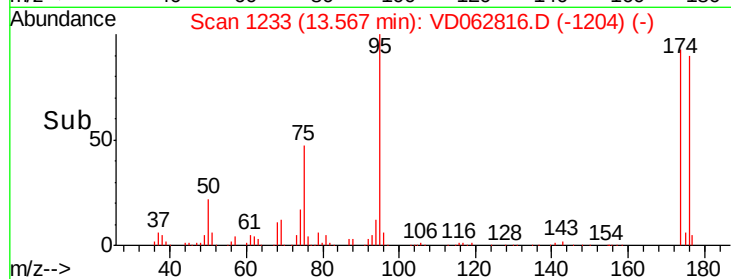
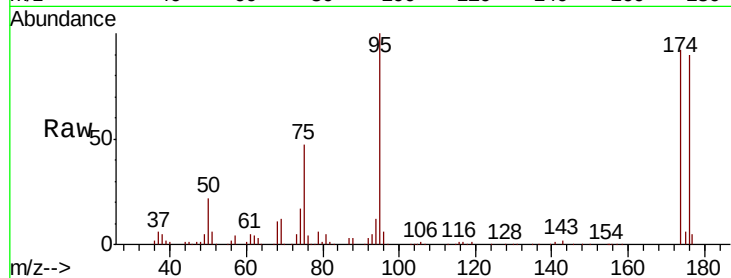
Tot Ion: 75 Resp: 118798

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



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

