

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062019\
 Data File : VD062802.D
 Acq On : 20 Jun 2019 18:59
 Operator : VA/AP
 Sample : K3453-01RE
 Misc : 4.93g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 21 06:36:26 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	7.08	168	535445	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	664166	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	317238	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	76017	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	330842	56.84	ug/l	0.03
Spiked Amount			Recovery	=	113.68%	
35) Dibromofluoromethane	6.96	113	341374	60.96	ug/l	0.03
Spiked Amount			Recovery	=	121.92%	
50) Toluene-d8	10.43	98	524847	43.06	ug/l	0.02
Spiked Amount			Recovery	=	86.12%	
62) 4-Bromofluorobenzene	13.57	95	108272	19.54	ug/l	0.02
Spiked Amount			Recovery	=	39.08%	

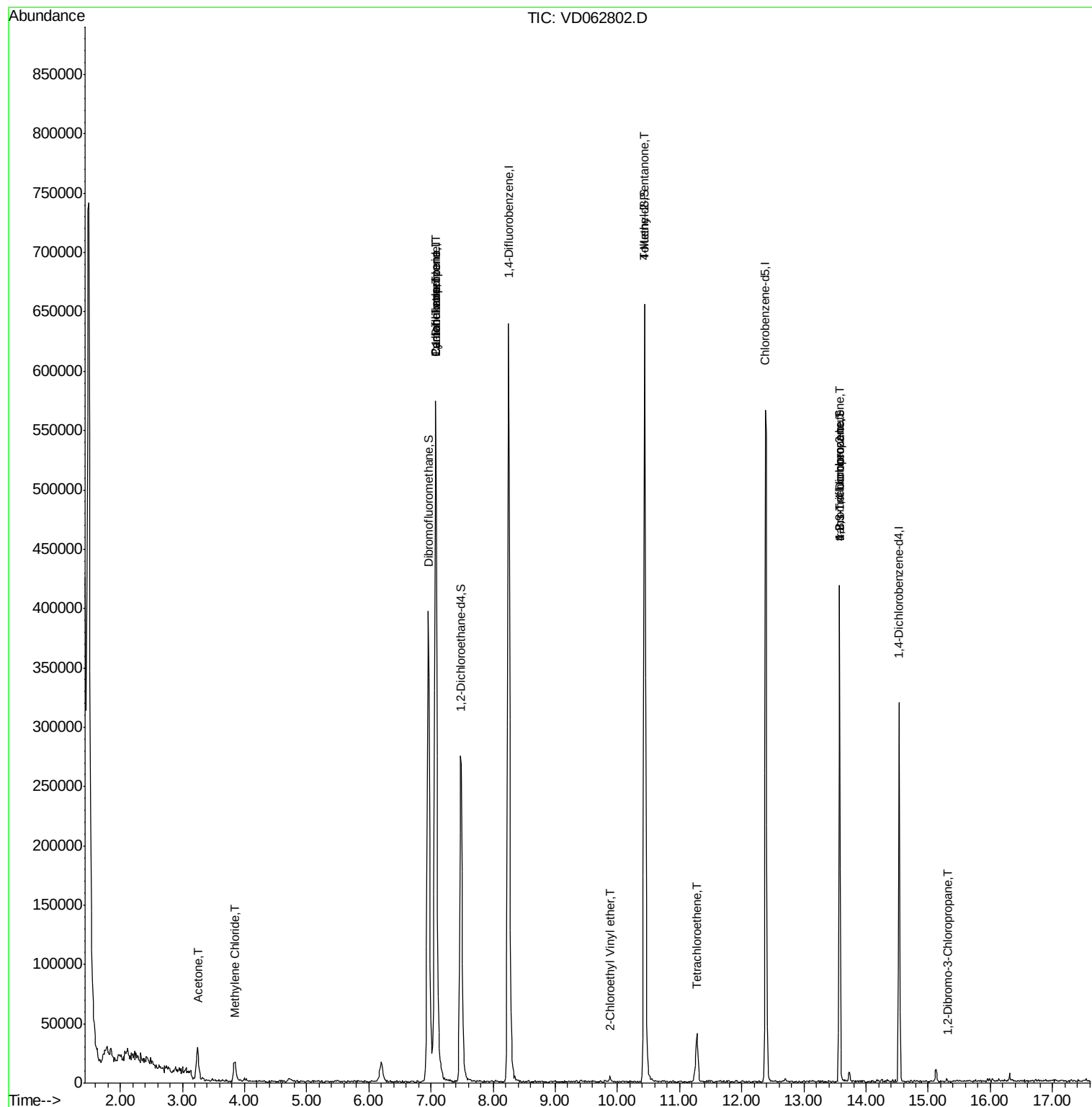
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.25	43	55745	41.393	ug/l #	85
20) Methylene Chloride	3.84	84	12193	2.747	ug/l #	81
31) Cyclohexane	7.07	56	13190	2.413	ug/l #	1
36) 1,1-Dichloropropene	7.08	75	39263	6.245	ug/l #	57
37) Ethyl Acetate	6.23	43	276	Below Cal	#	69
38) Carbon Tetrachloride	7.08	117	53471	5.655	ug/l #	17
51) 4-Methyl-2-Pentanone	10.43	43	3421	1.464	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.87	63	2135	1.335	ug/l #	47
64) Tetrachloroethene	11.29	164	10605	4.062	ug/l	89
76) 1,2,3-Trichloropropane	13.57	75	48984	55.818	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	52119	226.609	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	15.32	75	181	1.168	ug/l #	14

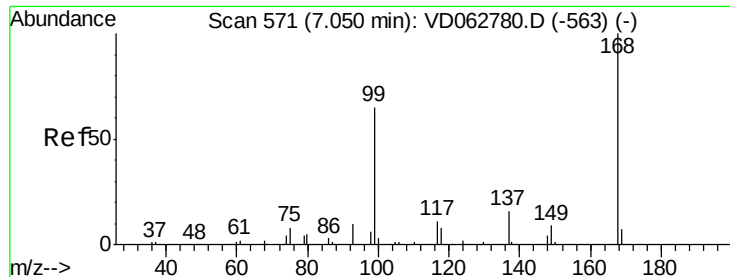
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062019\
Data File : VD062802.D
Acq On : 20 Jun 2019 18:59
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 01:50:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

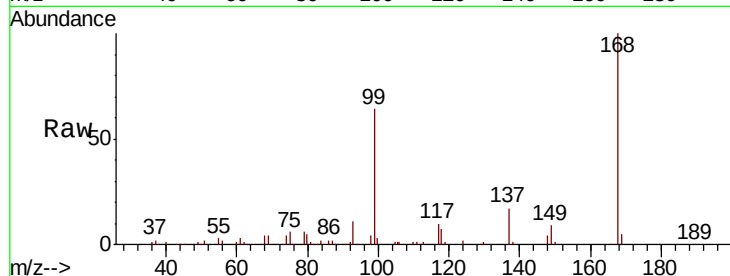
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 535445

Ion Ratio Lower Upper

168 100

99 64.3 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

200000

150000

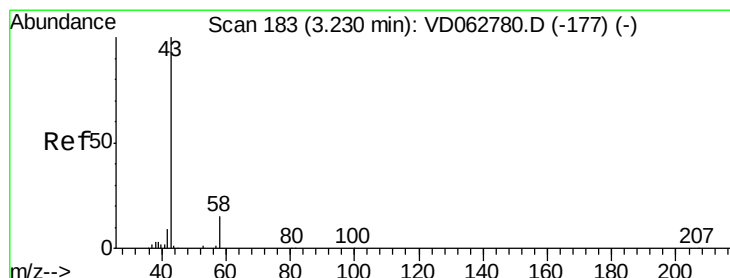
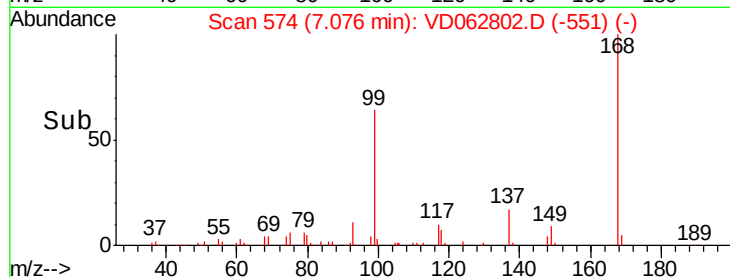
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#16

Acetone

Concen: 41.393 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD062802.D

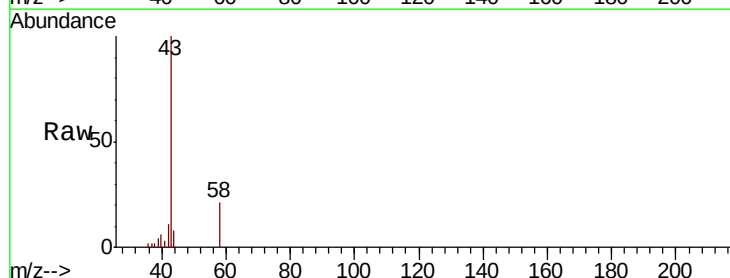
Acq: 20 Jun 2019 18:59

Tgt Ion: 43 Resp: 55745

Ion Ratio Lower Upper

43 100

58 21.0 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.25

20000

15000

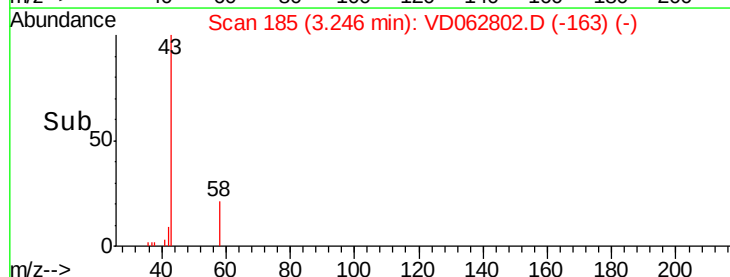
10000

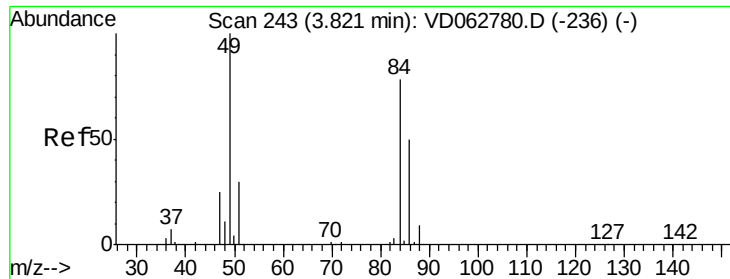
5000

0

3.10 3.20 3.30 3.40

Time-->

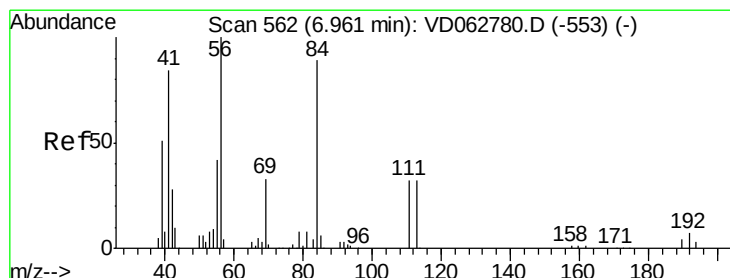
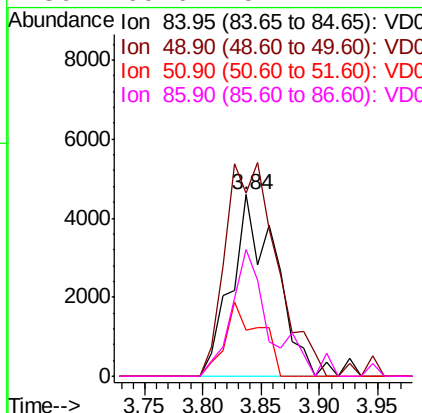
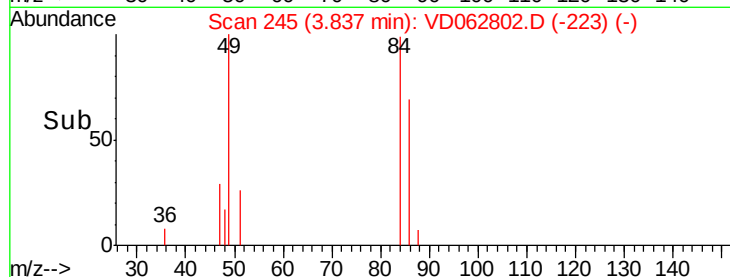
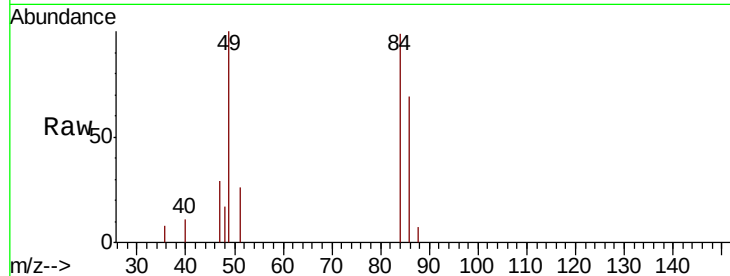




#20
Methylene Chloride
Concen: 2.747 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.02 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

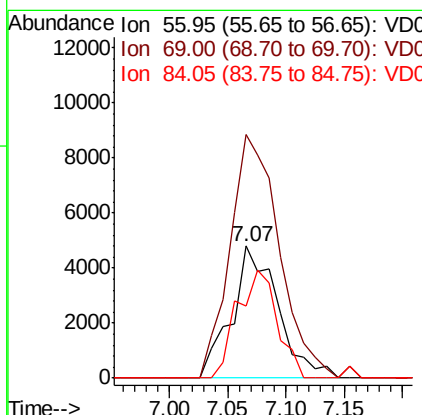
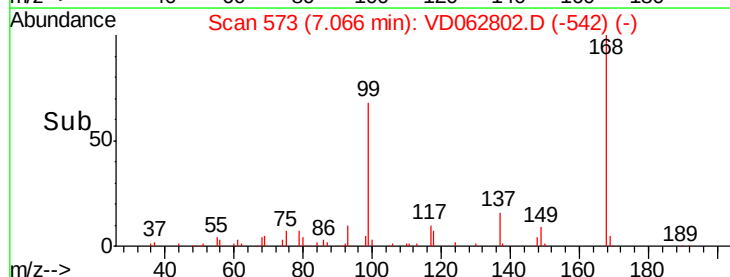
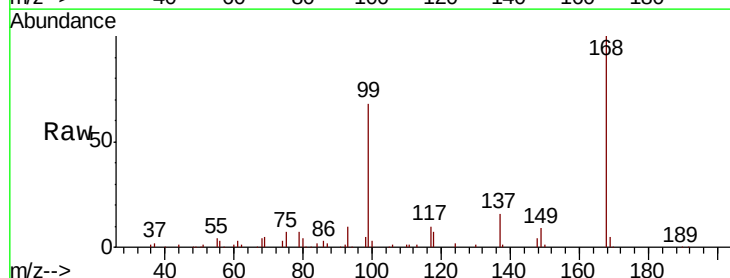
Instrument :
MSVOA_D
ClientSampleId :

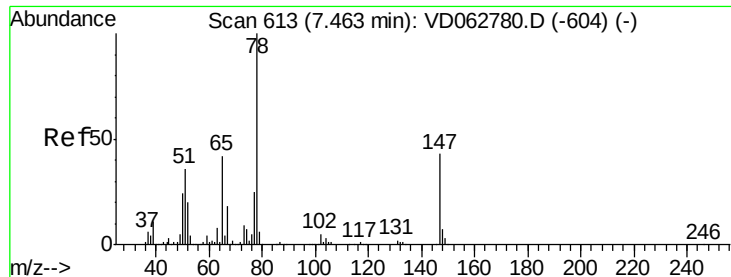
Tot Ion: 84 Resp: 12193
Ion Ratio Lower Upper
84 100
49 100.8 102.9 154.3#
51 25.7 31.2 46.8#
86 69.6 51.4 77.2



#31
Cyclohexane
Concen: 2.413 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.10 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

Tgt Ion: 56 Resp: 13190
Ion Ratio Lower Upper
56 100
69 184.5 26.6 39.8#
84 54.8 75.5 113.3#





#33

1,2-Dichloroethane-d4

Concen: 56.844 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.03 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

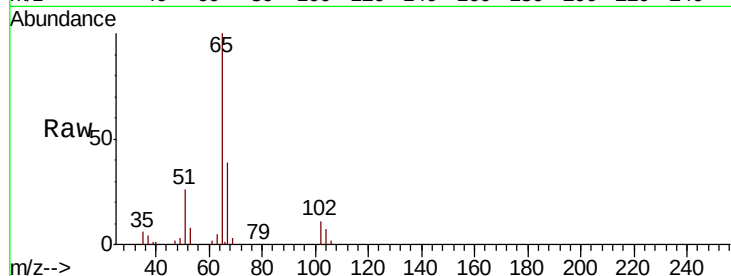
ClientSampleId :

Tot Ion: 65 Resp: 330842

Ion Ratio Lower Upper

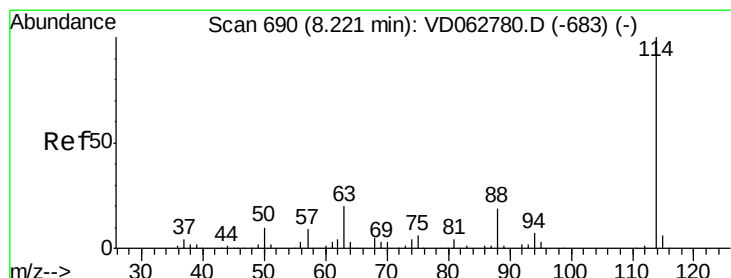
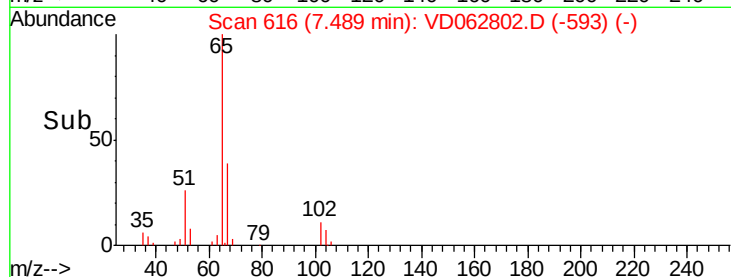
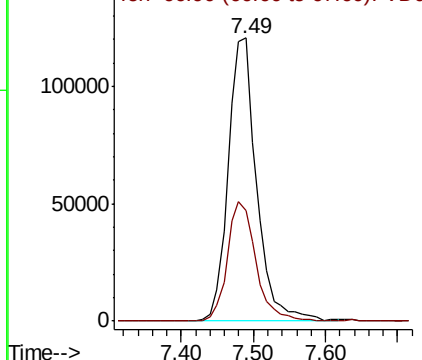
65 100

67 39.0 0.0 87.4



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: 8.25 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

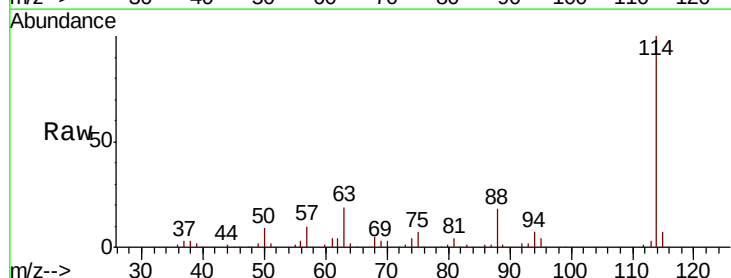
Tgt Ion: 114 Resp: 664166

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

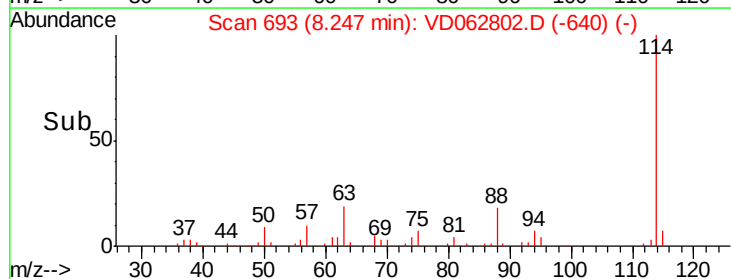
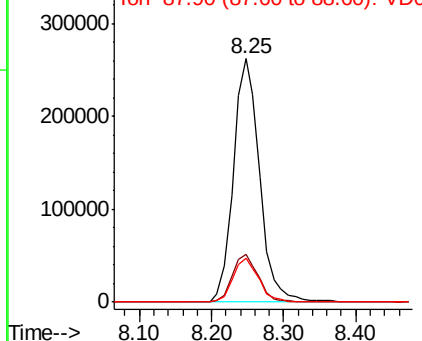
88 18.3 0.0 38.8

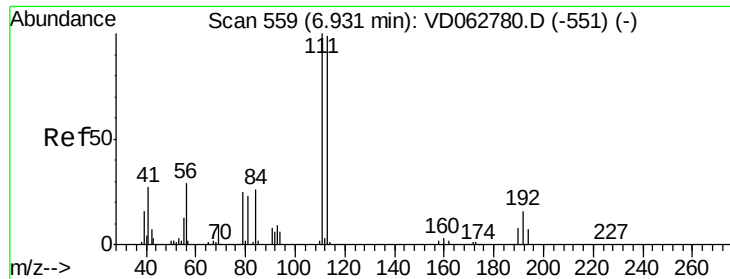


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

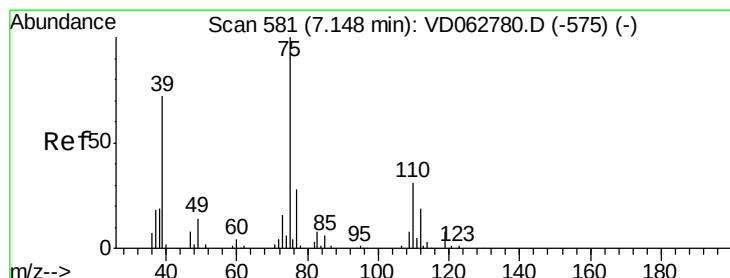
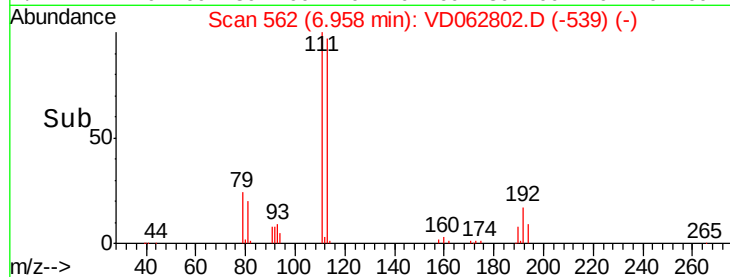
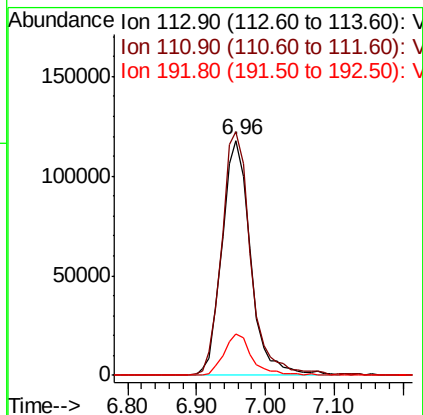
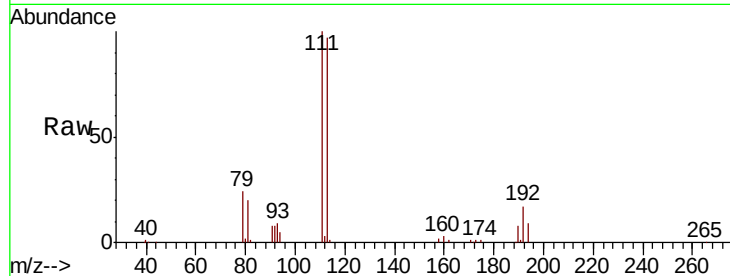




#35
 Dibromofluoromethane
 Concen: 60.957 ug/l
 RT: 6.96 min Scan# 562
 Delta R.T. 0.03 min
 Lab File: VD062802.D
 Acq: 20 Jun 2019 18:59

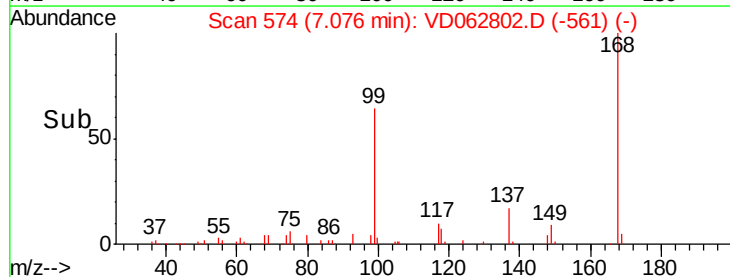
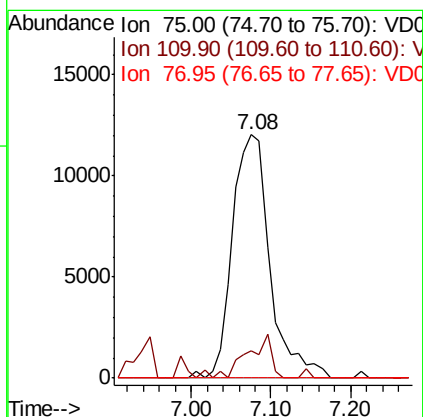
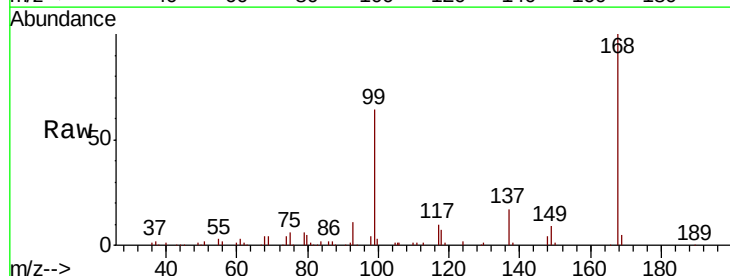
Instrument :
 MSVOA_D
 ClientSampleId :

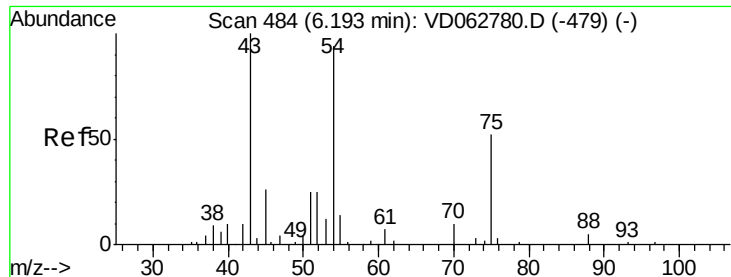
Tot Ion:113 Resp: 341374
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.2 121.8
 192 17.4 12.9 19.3



#36
 1,1-Dichloropropene
 Concen: 6.245 ug/l
 RT: 7.08 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD062802.D
 Acq: 20 Jun 2019 18:59

Tgt Ion: 75 Resp: 39263
 Ion Ratio Lower Upper
 75 100
 110 11.4 15.0 45.1#
 77 0.0 22.2 33.2#





#37

Ethyl Acetate

Concen: Below Cal

RT: 6.23 min Scan# 488

Delta R.T. 0.04 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

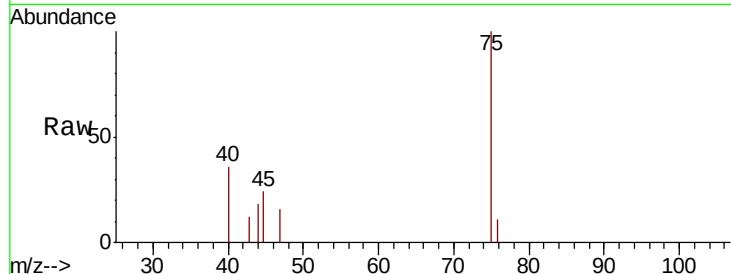
Tot Ion: 43 Resp: 276

Ion Ratio Lower Upper

43 100

61 0.0 11.6 17.4#

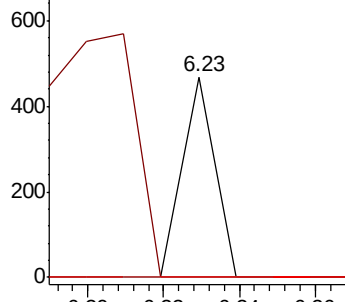
70 0.0 6.4 9.6#



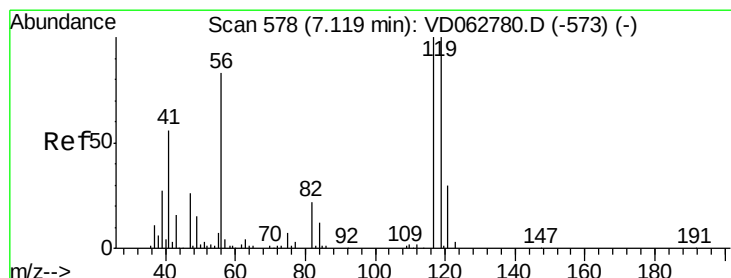
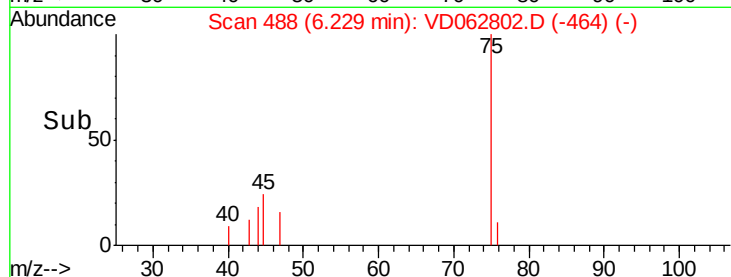
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



Time-->



#38

Carbon Tetrachloride

Concen: 5.655 ug/l

RT: 7.08 min Scan# 574

Delta R.T. -0.04 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

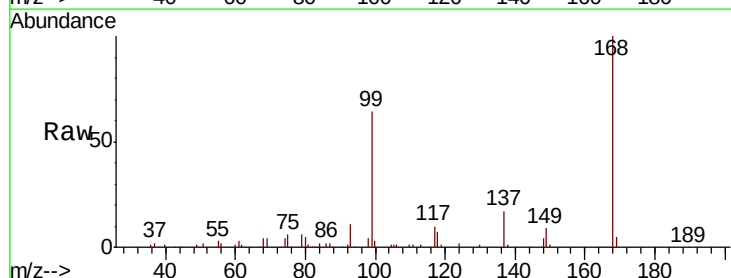
Tgt Ion: 117 Resp: 53471

Ion Ratio Lower Upper

117 100

119 5.6 75.4 113.2#

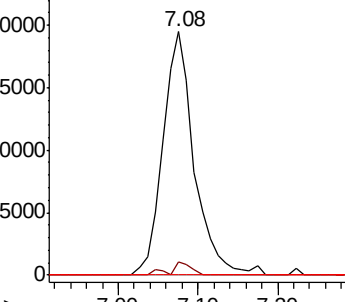
121 0.0 22.3 33.5#



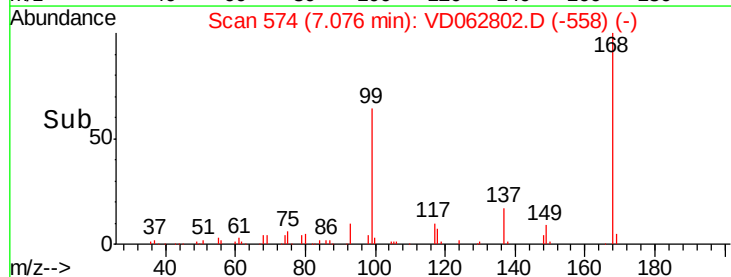
Abundance Ion 116.85 (116.55 to 117.55): V

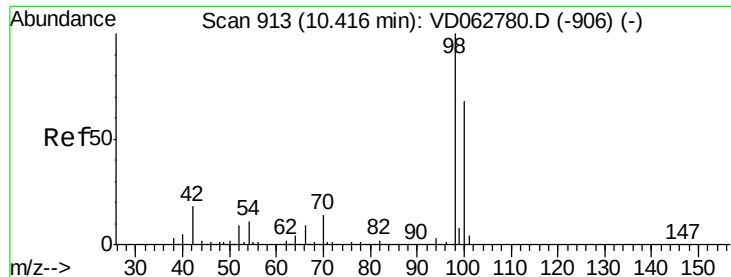
Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



Time-->

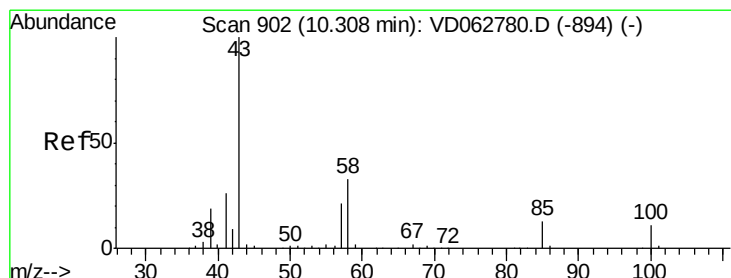
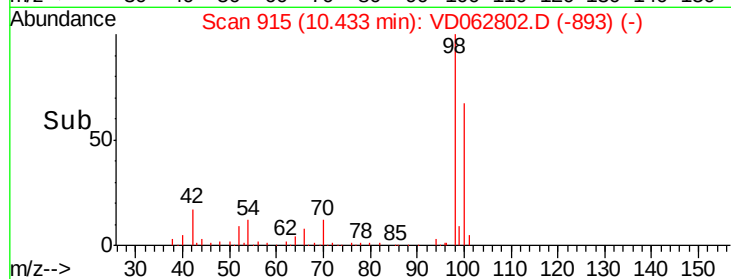
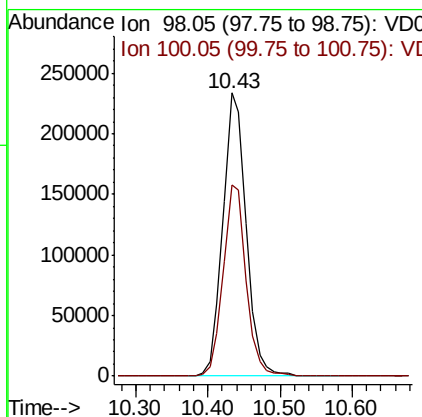
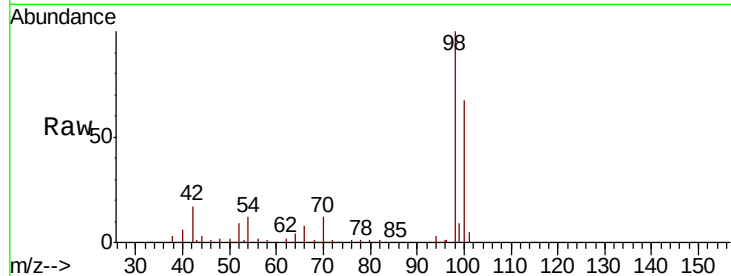




#50
Toluene-d8
Concen: 43.060 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.02 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

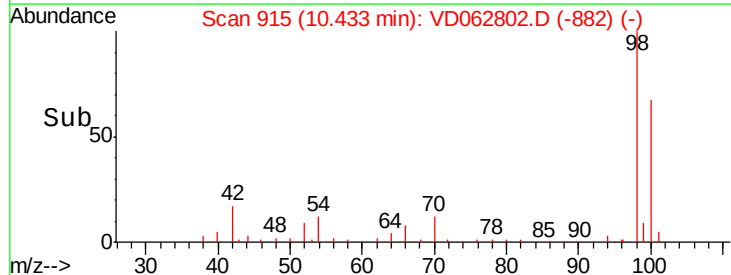
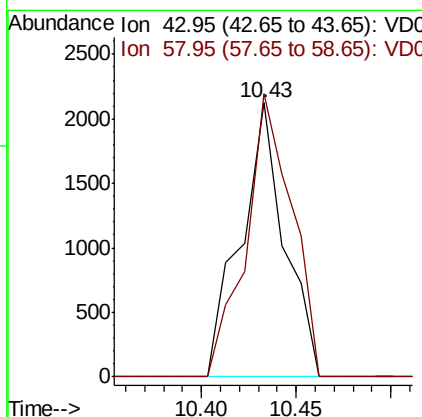
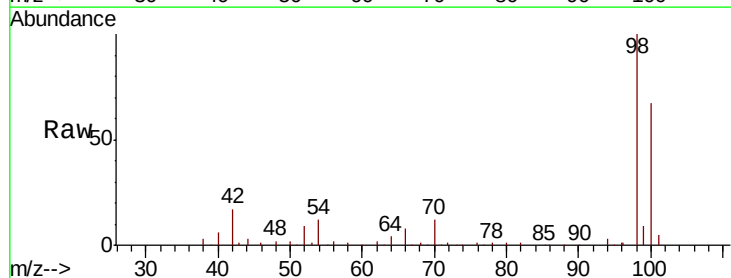
Instrument :
MSVOA_D
ClientSampled :

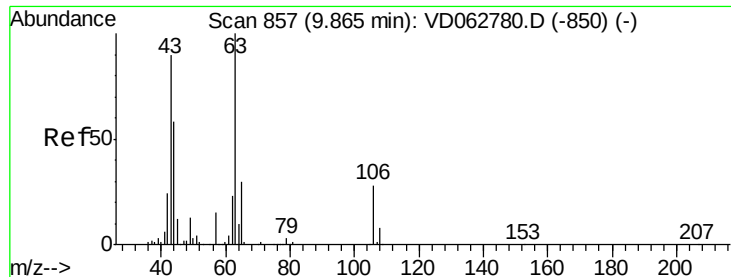
Tot Ion: 98 Resp: 524847
Ion Ratio Lower Upper
98 100
100 67.5 54.7 82.1



#51
4-Methyl-2-Pentanone
Concen: 1.464 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.12 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

Tgt Ion: 43 Resp: 3421
Ion Ratio Lower Upper
43 100
58 103.3 26.6 40.0#





#58

2-Chloroethyl Vinyl ether

Concen: 1.335 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

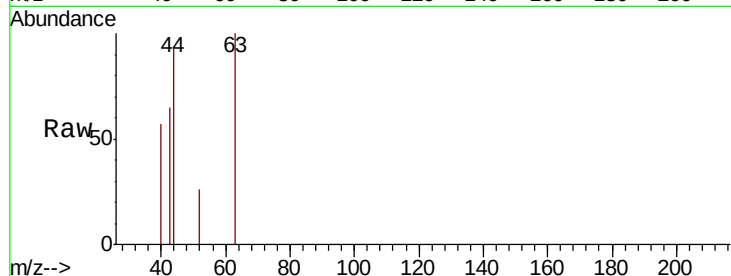
ClientSampled :

Tot Ion: 63 Resp: 2135

Ion Ratio Lower Upper

63 100

106 0.0 22.1 33.1#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.87

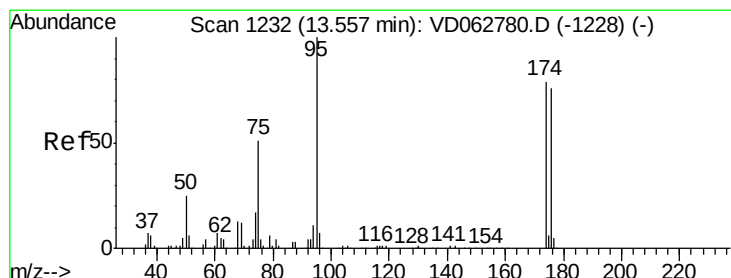
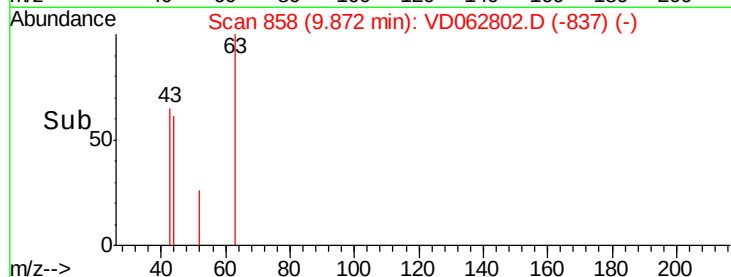
1000

500

0

9.80 9.85 9.90 9.95

Time-->



#62

4-Bromofluorobenzene

Concen: 19.536 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

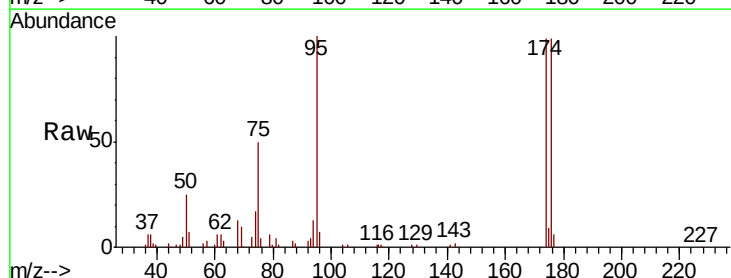
Tgt Ion: 95 Resp: 108272

Ion Ratio Lower Upper

95 100

174 98.9 0.0 158.0

176 98.6 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

100000

80000

60000

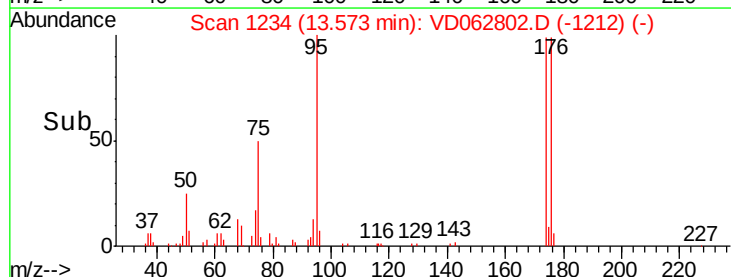
40000

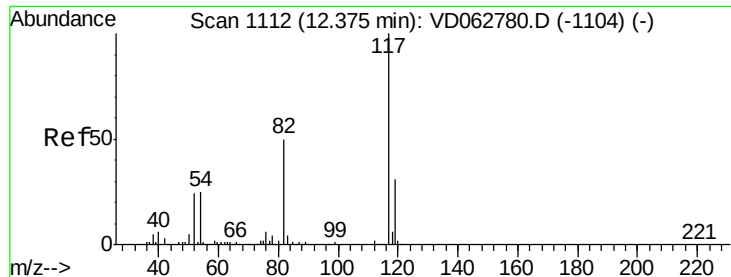
20000

0

13.50 13.60

Time-->

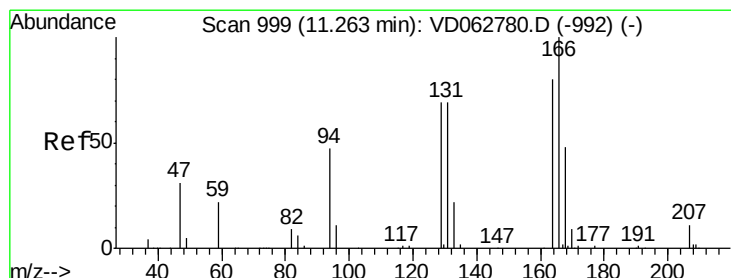
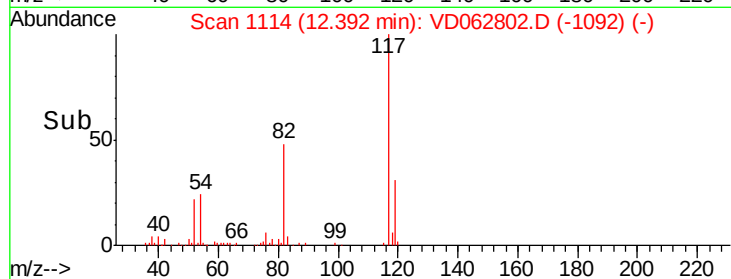
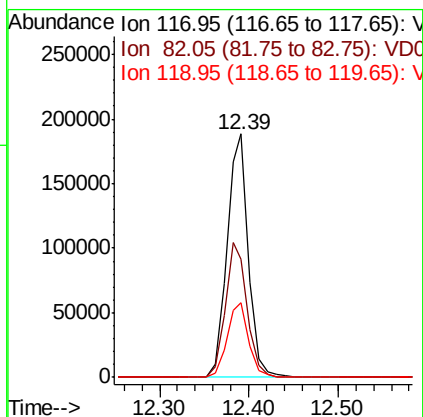
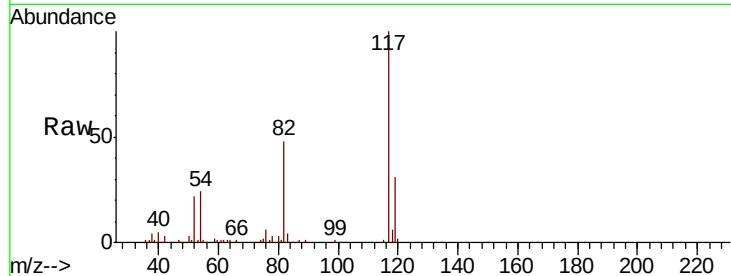




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

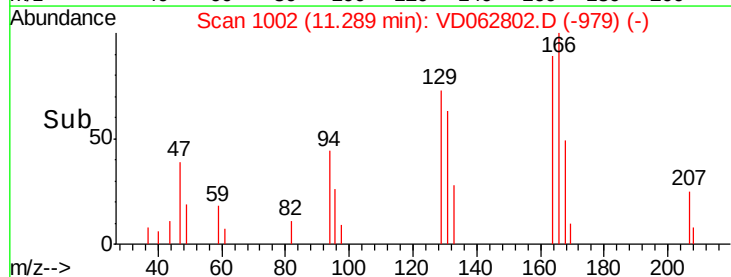
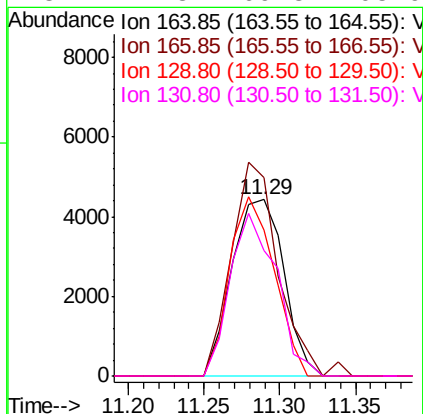
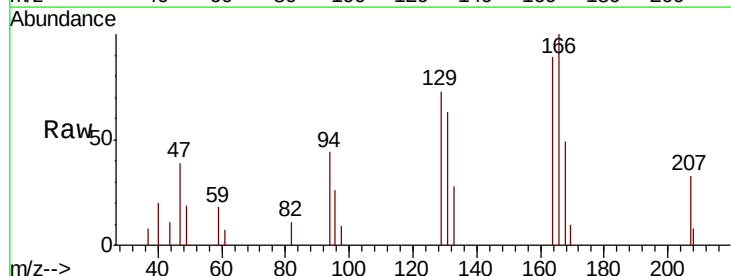
Instrument :
MSVOA_D
ClientSampleId :

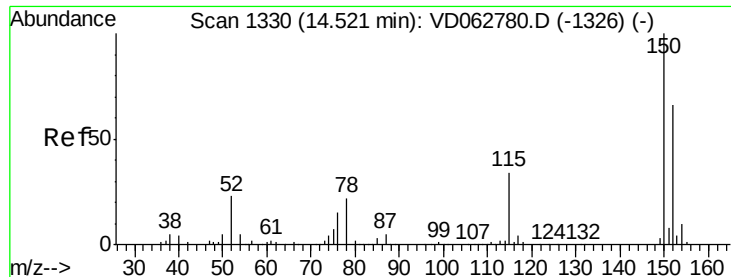
Tot Ion:117 Resp: 317238
Ion Ratio Lower Upper
117 100
82 48.3 40.4 60.6
119 30.9 25.2 37.8



#64
Tetrachloroethene
Concen: 4.062 ug/l
RT: 11.29 min Scan# 1002
Delta R.T. 0.03 min
Lab File: VD062802.D
Acq: 20 Jun 2019 18:59

Tgt Ion:164 Resp: 10605
Ion Ratio Lower Upper
164 100
166 112.7 100.6 150.8
129 82.6 69.4 104.0
131 71.3 69.3 103.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

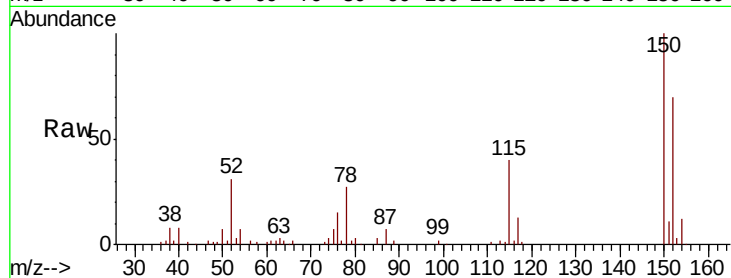
Tot Ion:152 Resp: 76017

Ion Ratio Lower Upper

152 100

115 56.5 29.2 87.6

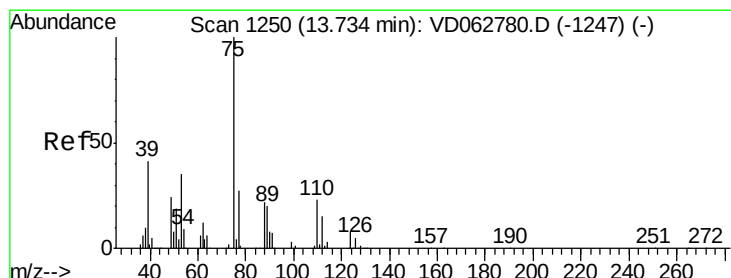
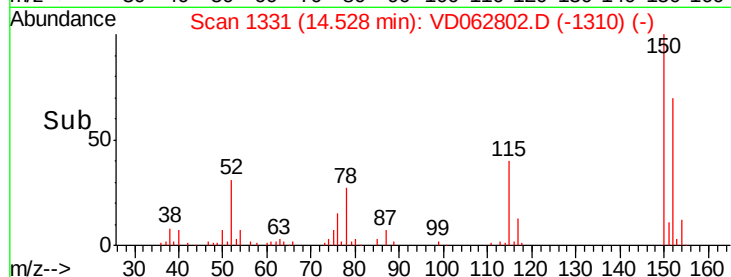
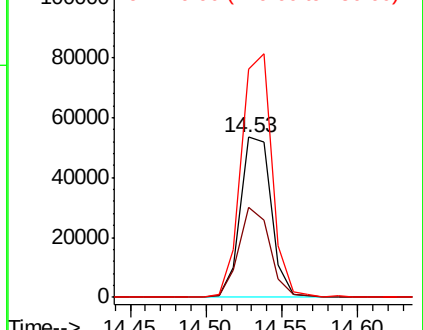
150 142.7 0.0 305.8



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: 55.818 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD062802.D

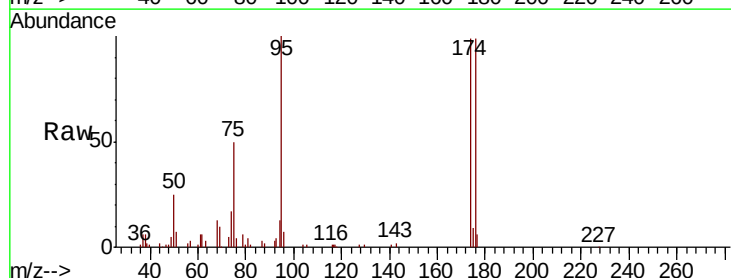
Acq: 20 Jun 2019 18:59

Tgt Ion: 75 Resp: 48984

Ion Ratio Lower Upper

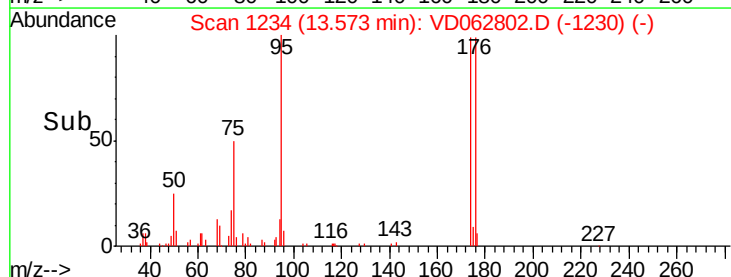
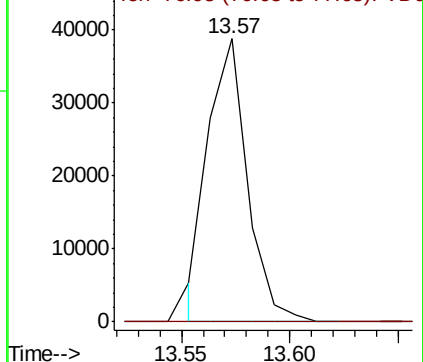
75 100

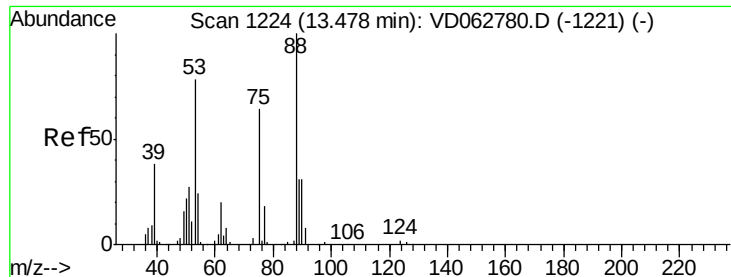
77 0.0 15.0 45.1#



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: 226.609 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Instrument :

MSVOA_D

ClientSampleId :

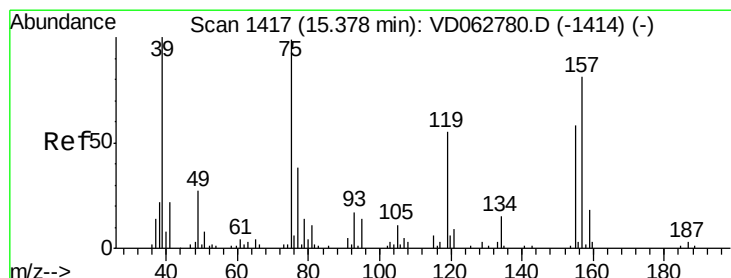
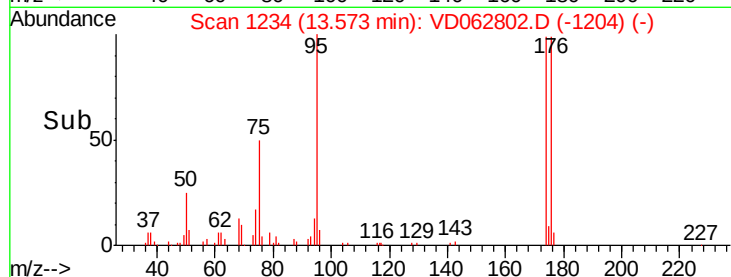
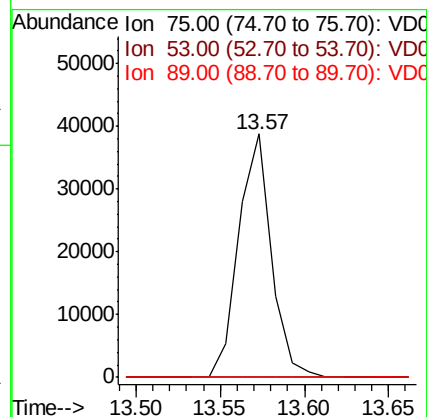
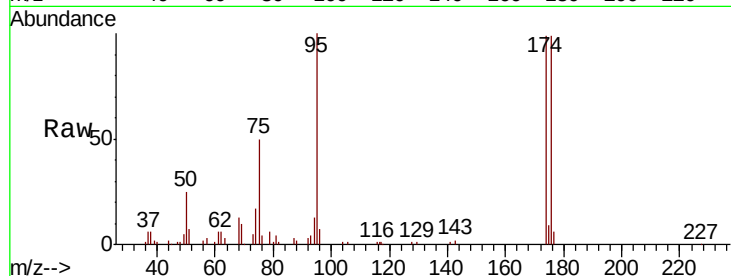
Tot Ion: 75 Resp: 52119

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.168 ug/l

RT: 15.32 min Scan# 1411

Delta R.T. -0.06 min

Lab File: VD062802.D

Acq: 20 Jun 2019 18:59

Tgt Ion: 75 Resp: 181

Ion Ratio Lower Upper

75 100

155 0.0 29.3 87.8#

157 0.0 41.3 123.7#

