

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062519\
 Data File : VD062885.D
 Acq On : 25 Jun 2019 17:58
 Operator : VA/AP
 Sample : K3499-02RE
 Misc : 5.82g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(11-12)

Quant Time: Jun 26 05:35:52 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	7.06	168	830859	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.23	114	1148775	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	941743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	518814	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	463031	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	6.94	113	518823	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
50) Toluene-d8	10.42	98	1052083	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
62) 4-Bromofluorobenzene	13.56	95	462797	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

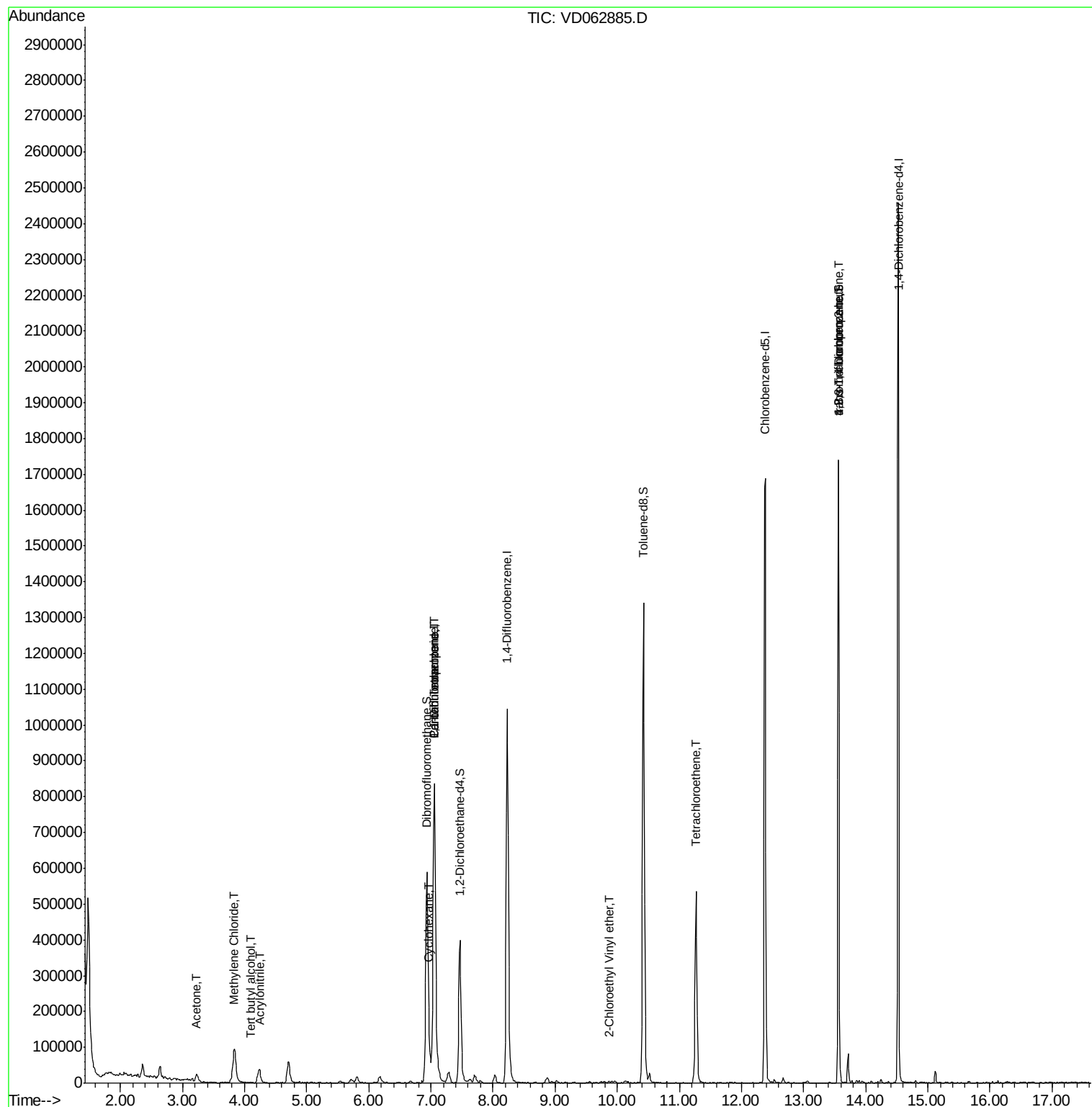
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.10	59	553	1.344	ug/l #	77
15) Acrylonitrile	4.25	53	2148	2.222	ug/l #	11
16) Acetone	3.23	43	57240	24.956	ug/l #	85
20) Methylene Chloride	3.83	84	31472	4.569	ug/l #	89
31) Cyclohexane	6.98	56	11832	1.395	ug/l #	77
36) 1,1-Dichloropropene	7.06	75	67624	6.218	ug/l #	54
37) Ethyl Acetate	6.17	43	1763	Below Cal	#	19
38) Carbon Tetrachloride	7.04	117	85492	5.227	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.87	63	2877	1.040	ug/l #	86
64) Tetrachloroethene	11.27	164	147507	19.031	ug/l	97
76) 1,2,3-Trichloropropane	13.56	75	162564	27.142	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	227944	145.214	ug/l #	2

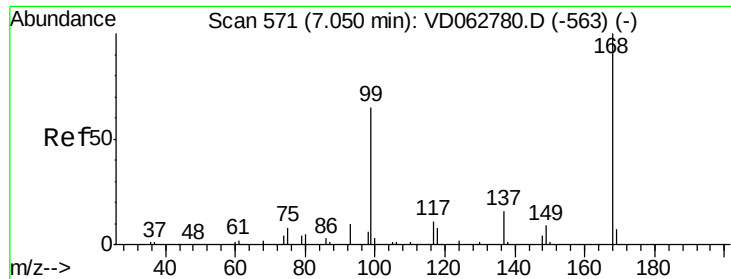
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD062885.D

Acq: 25 Jun 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

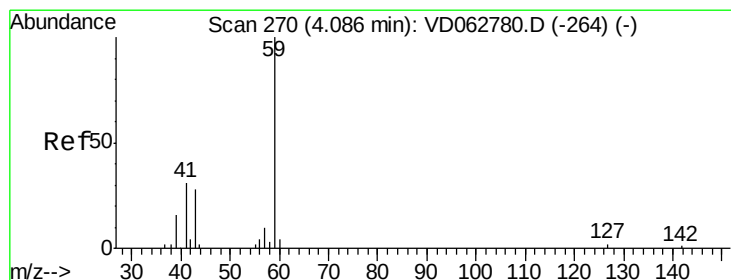
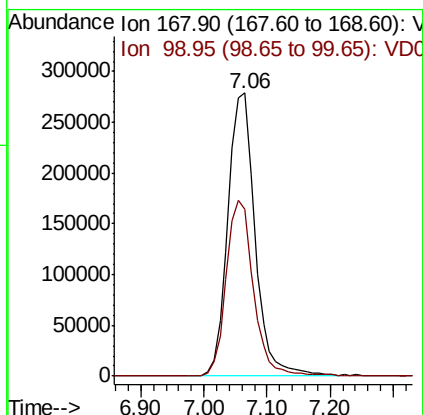
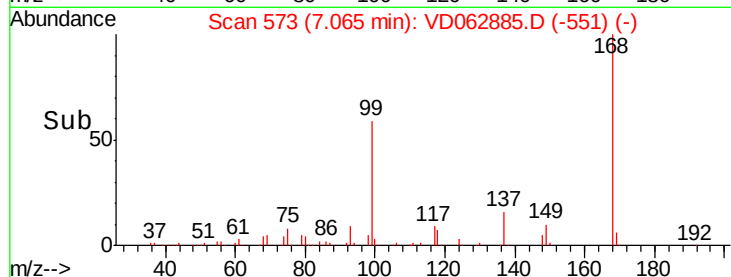
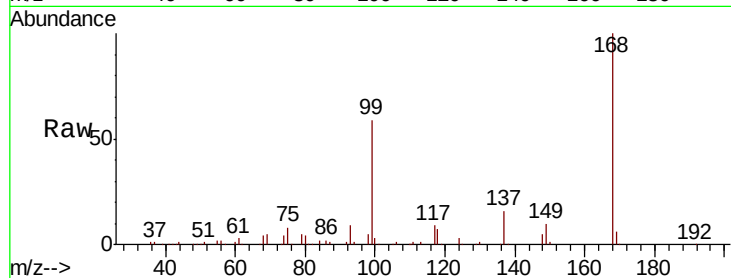
B-2(11-12)

Tot Ion:168 Resp: 830859

Ion Ratio Lower Upper

168 100

99 59.2 53.0 79.6



#11

Tert butyl alcohol

Concen: 1.344 ug/l

RT: 4.10 min Scan# 272

Delta R.T. 0.01 min

Lab File: VD062885.D

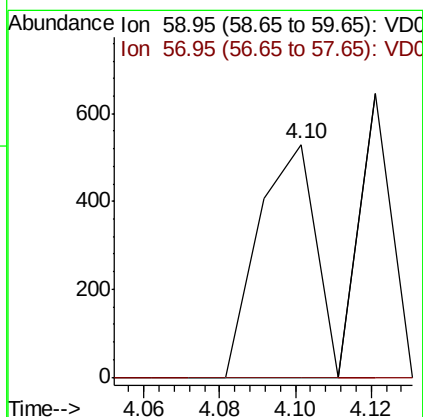
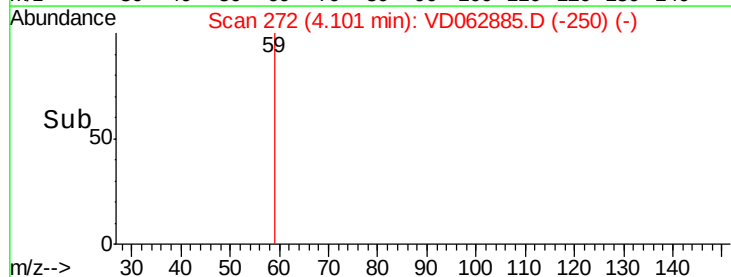
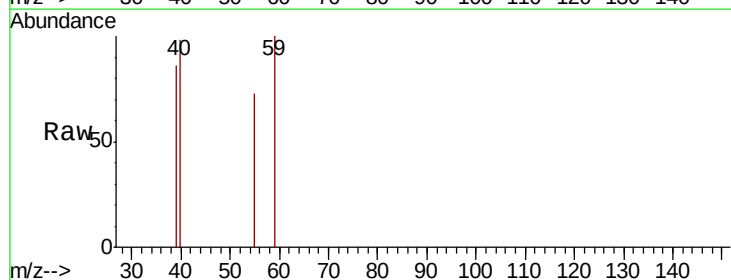
Acq: 25 Jun 2019 17:58

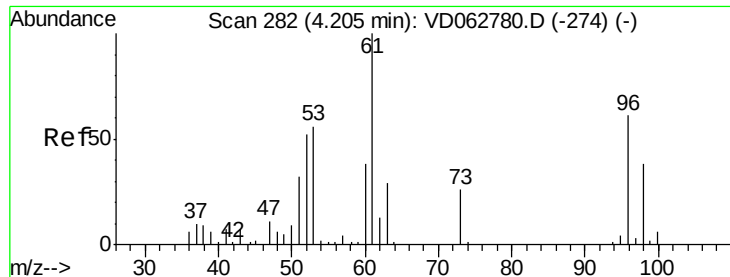
Tgt Ion: 59 Resp: 553

Ion Ratio Lower Upper

59 100

57 0.0 6.6 10.0#





#15

Acrylonitrile

Concen: 2.222 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.04 min

Lab File: VD062885.D

Acq: 25 Jun 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

B-2(11-12)

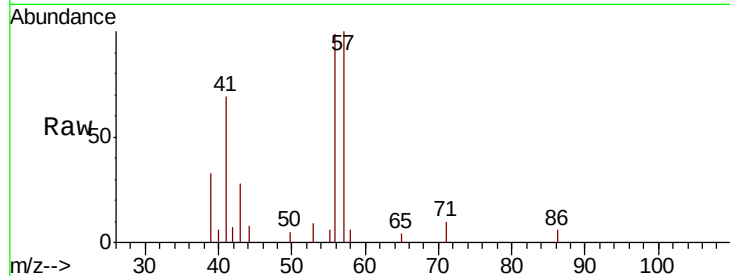
Tot Ion: 53 Resp: 2148

Ion Ratio Lower Upper

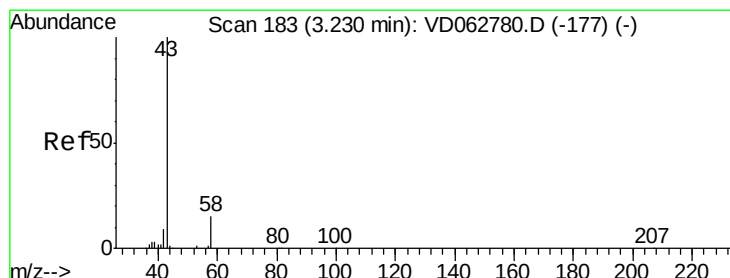
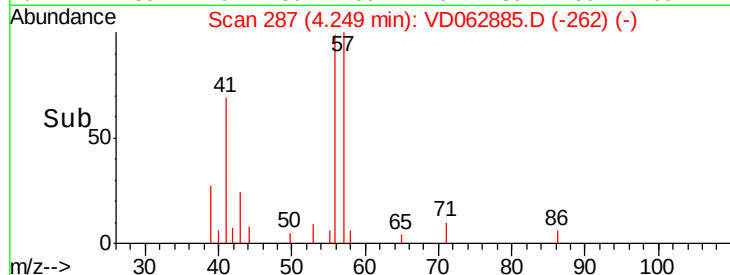
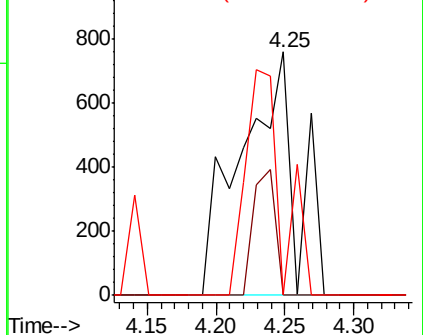
53 100

52 0.0 73.3 109.9#

51 0.0 44.8 67.2#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 24.956 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD062885.D

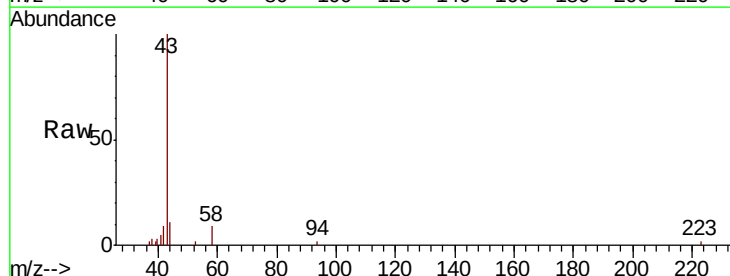
Acq: 25 Jun 2019 17:58

Tgt Ion: 43 Resp: 57240

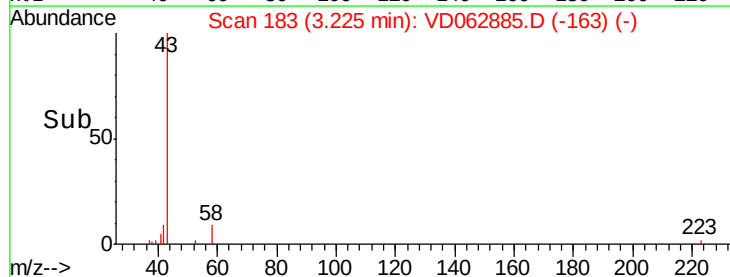
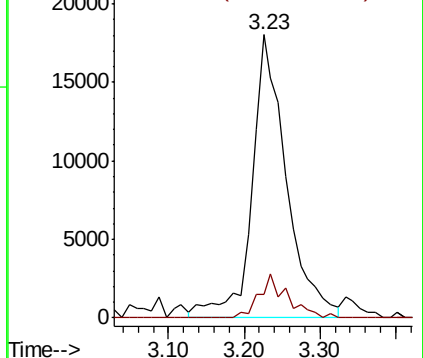
Ion Ratio Lower Upper

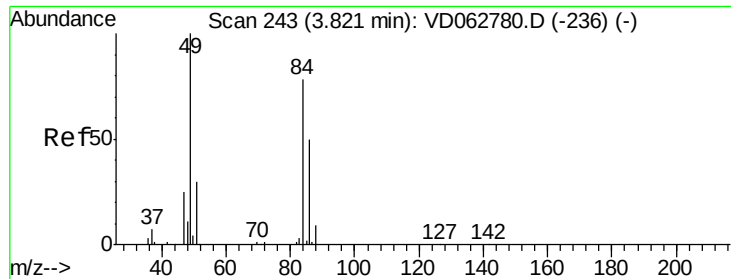
43 100

58 8.5 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

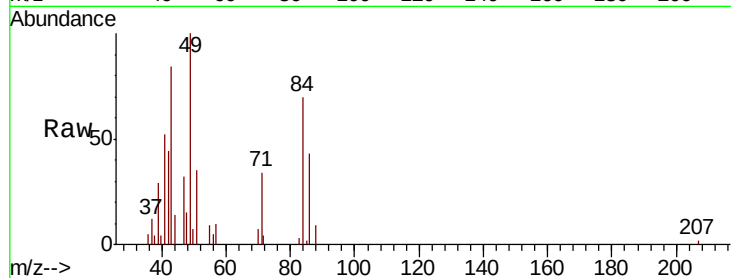




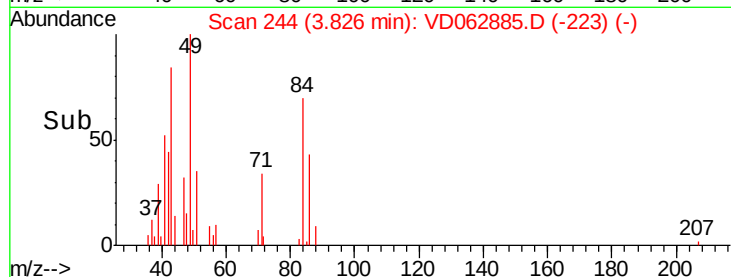
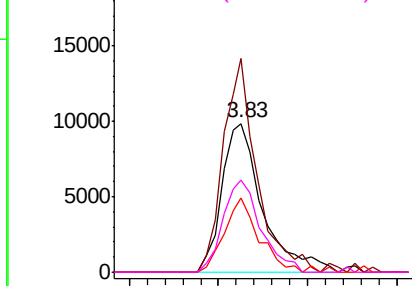
#20
Methylene Chloride
Concen: 4.569 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD062885.D
Acq: 25 Jun 2019 17:58

Instrument :
MSVOA_D
ClientSampleId :
B-2(11-12)

Tot Ion: 84 Resp: 31472
Ion Ratio Lower Upper
84 100
49 143.3 102.9 154.3
51 49.7 31.2 46.8#
86 62.0 51.4 77.2

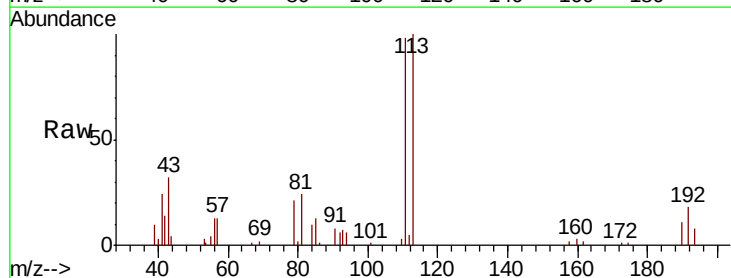
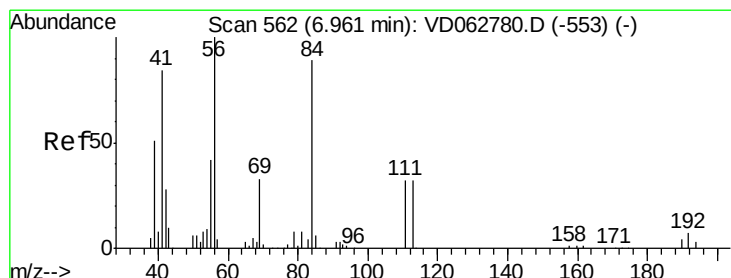


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

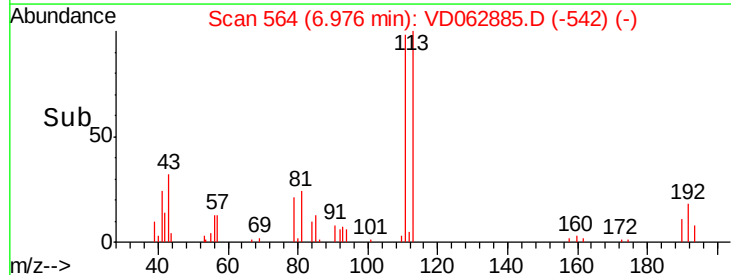
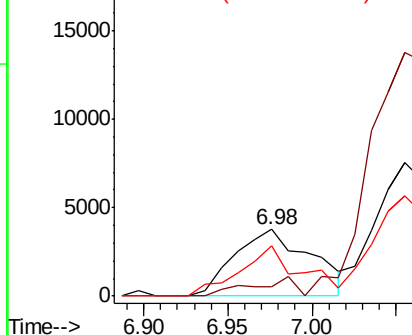


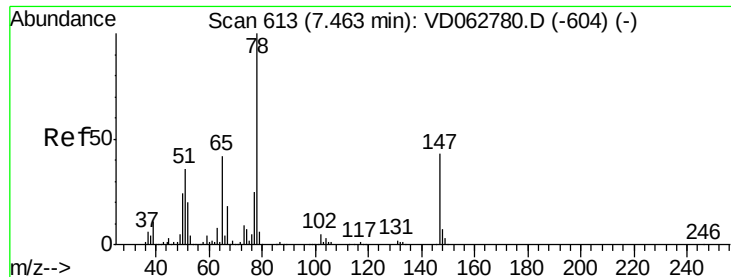
#31
Cyclohexane
Concen: 1.395 ug/l
RT: 6.98 min Scan# 564
Delta R.T. 0.01 min
Lab File: VD062885.D
Acq: 25 Jun 2019 17:58

Tgt Ion: 56 Resp: 11832
Ion Ratio Lower Upper
56 100
69 13.8 26.6 39.8#
84 76.0 75.5 113.3



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

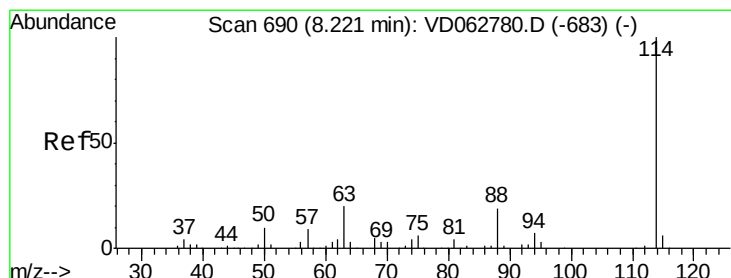
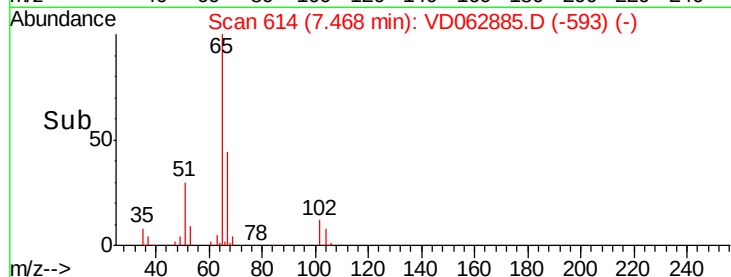
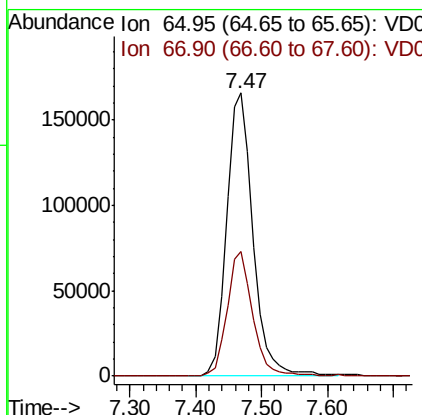
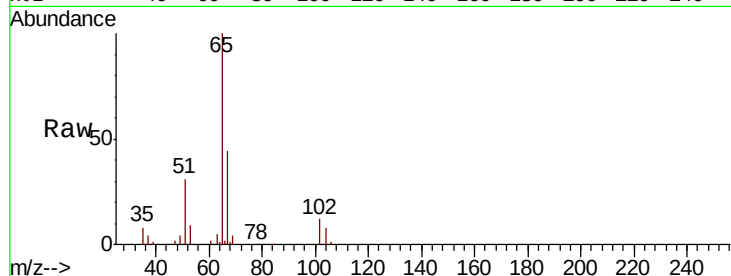




#33
 1,2-Dichloroethane-d4
 Concen: 51.269 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD062885.D
 Acq: 25 Jun 2019 17:58

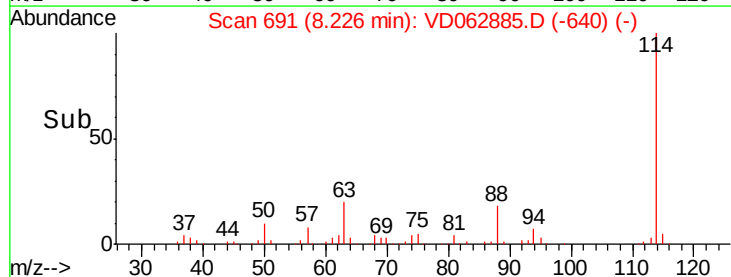
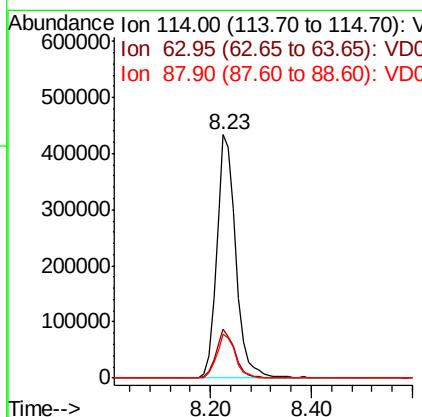
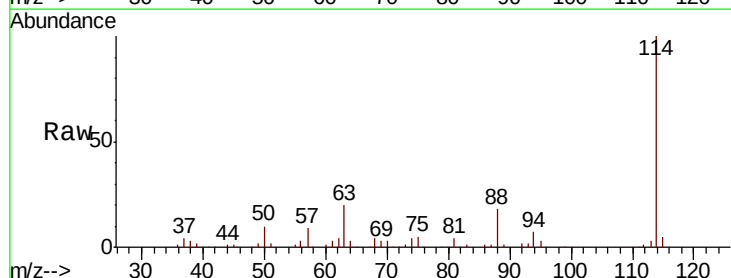
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(11-12)

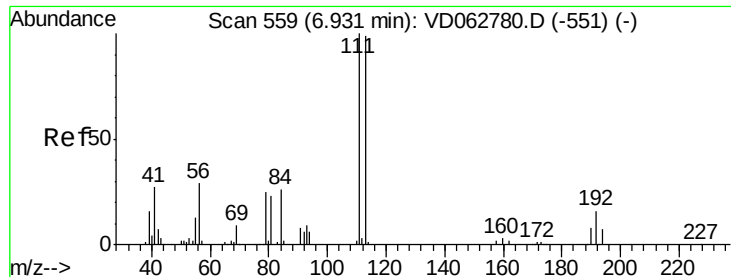
Tot Ion: 65 Resp: 463031
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 87.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD062885.D
 Acq: 25 Jun 2019 17:58

Tgt Ion: 114 Resp: 1148775
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.0
 88 17.8 0.0 38.8





#35

Dibromofluoromethane

Concen: 53.562 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062885.D

Acq: 25 Jun 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

B-2(11-12)

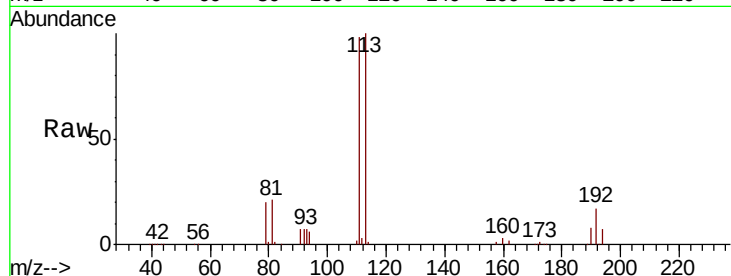
Tot Ion:113 Resp: 518823

Ion Ratio Lower Upper

113 100

111 97.7 81.2 121.8

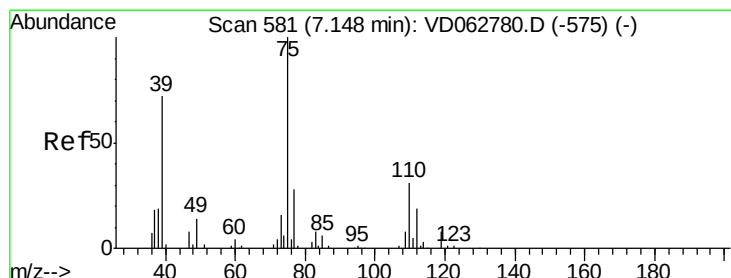
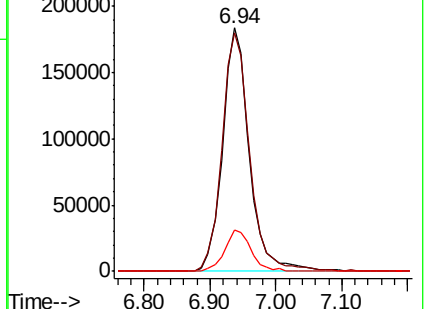
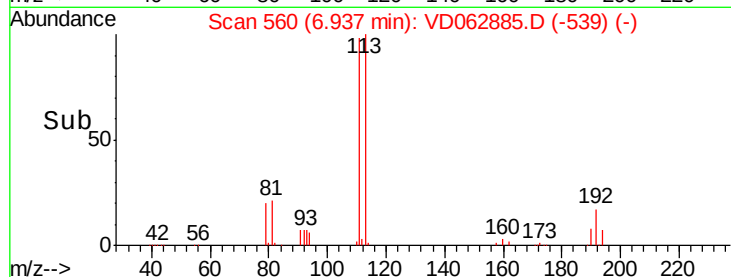
192 16.9 12.9 19.3



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: 6.218 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD062885.D

Acq: 25 Jun 2019 17:58

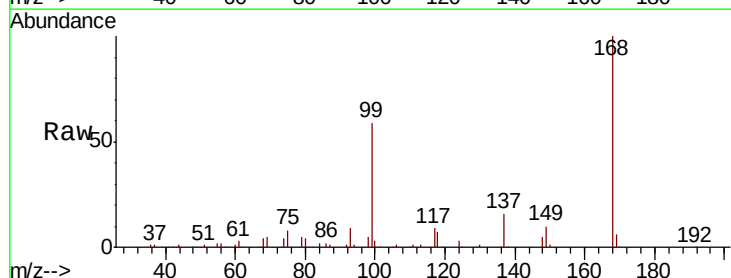
Tgt Ion: 75 Resp: 67624

Ion Ratio Lower Upper

75 100

110 8.8 15.0 45.1#

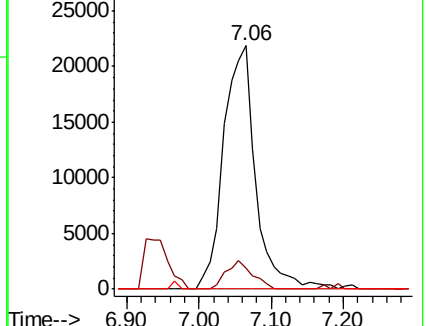
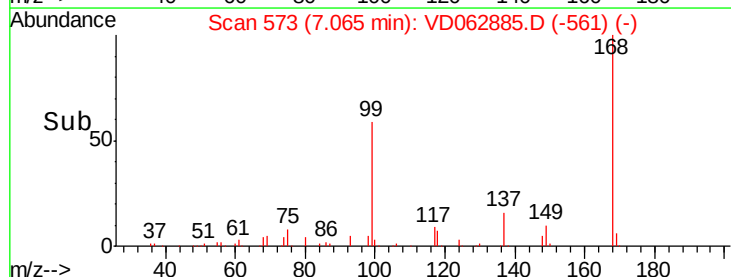
77 0.0 22.2 33.2#

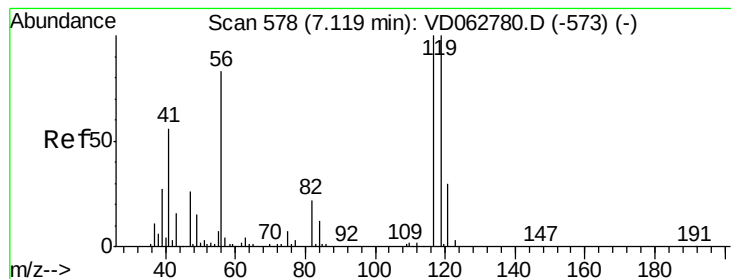


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.227 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.07 min

Lab File: VD062885.D

Acq: 25 Jun 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

B-2(11-12)

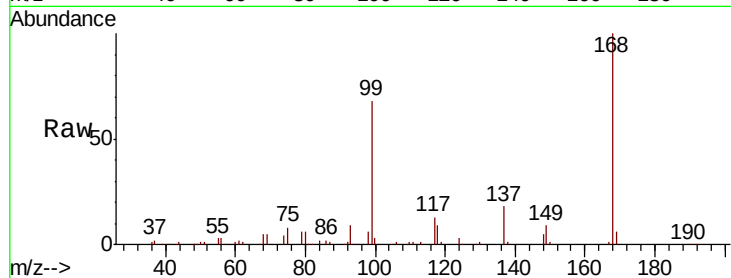
Tot Ion:117 Resp: 85492

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.2#

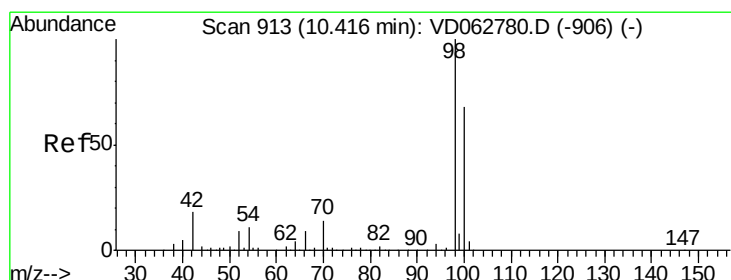
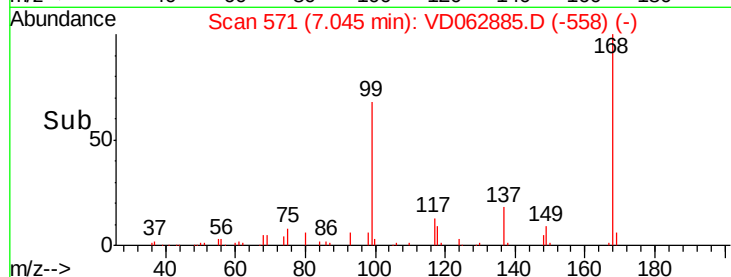
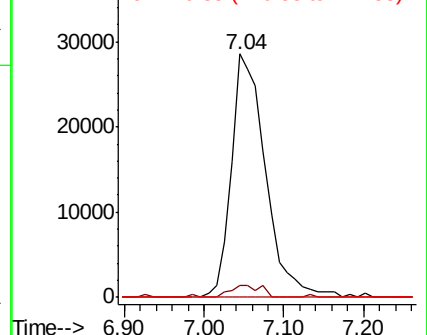
121 0.0 22.3 33.5#



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: 49.904 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.01 min

Lab File: VD062885.D

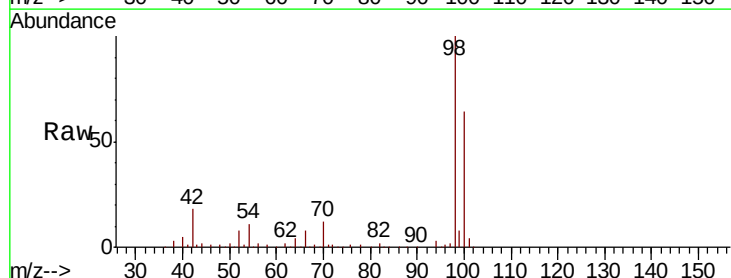
Acq: 25 Jun 2019 17:58

Tgt Ion: 98 Resp: 1052083

Ion Ratio Lower Upper

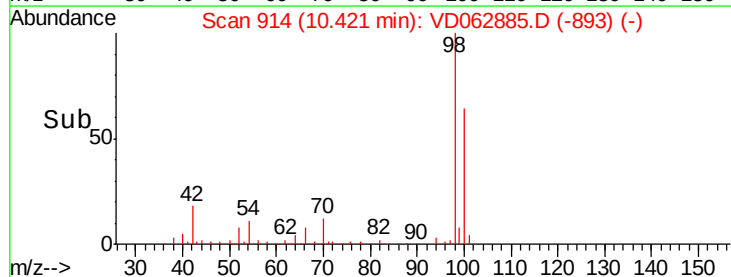
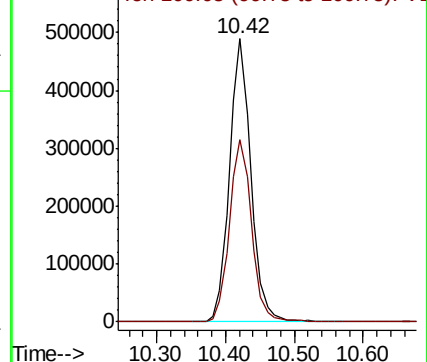
98 100

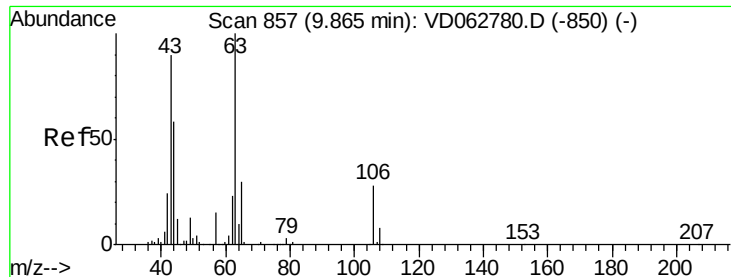
100 64.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

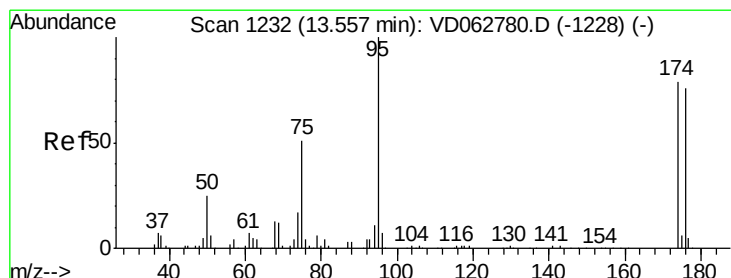
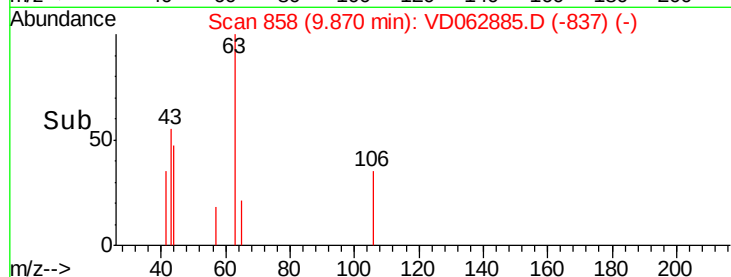
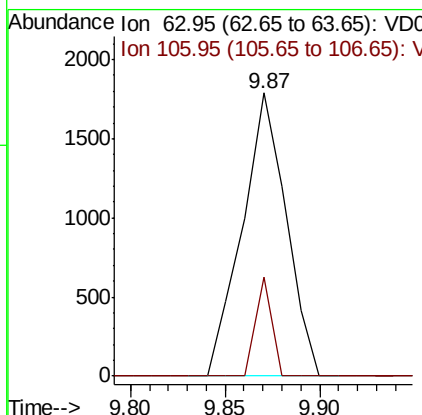
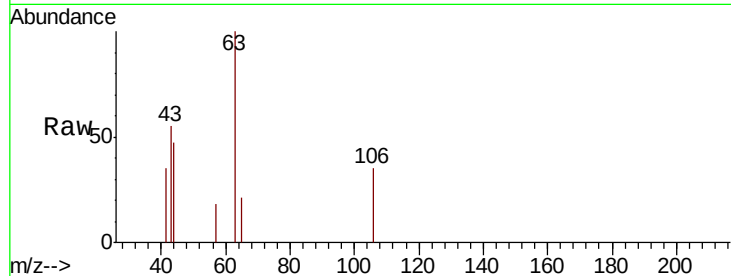




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.040 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.01 min
 Lab File: VD062885.D
 Acq: 25 Jun 2019 17:58

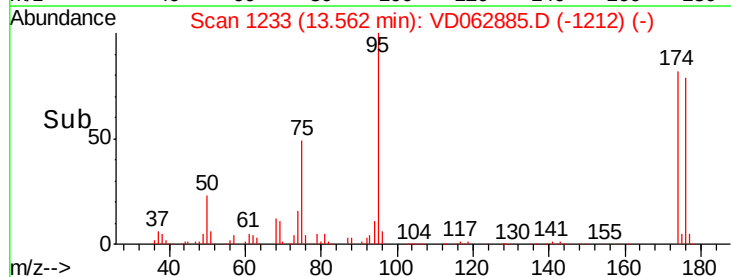
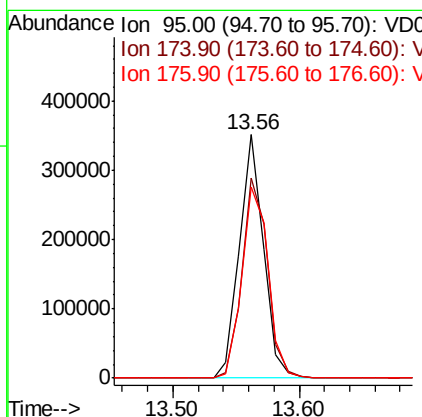
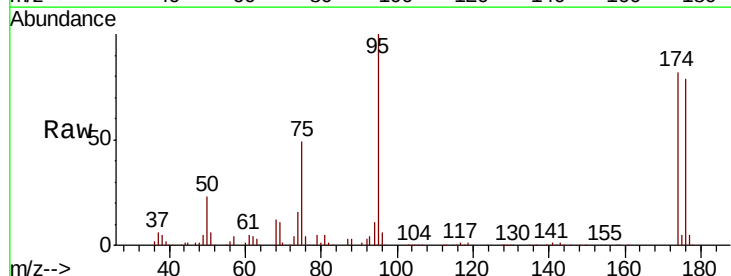
Instrument :
 MSVOA_D
 ClientSampleId :
 B-2(11-12)

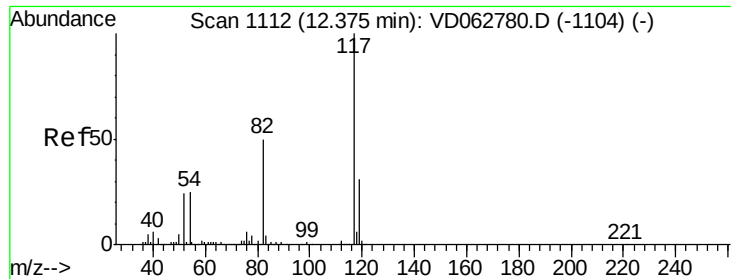
Tot Ion: 63 Resp: 2877
 Ion Ratio Lower Upper
 63 100
 106 35.2 22.1 33.1#



#62
 4-Bromofluorobenzene
 Concen: 48.277 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062885.D
 Acq: 25 Jun 2019 17:58

Tgt Ion: 95 Resp: 462797
 Ion Ratio Lower Upper
 95 100
 174 82.4 0.0 158.0
 176 78.6 0.0 151.6

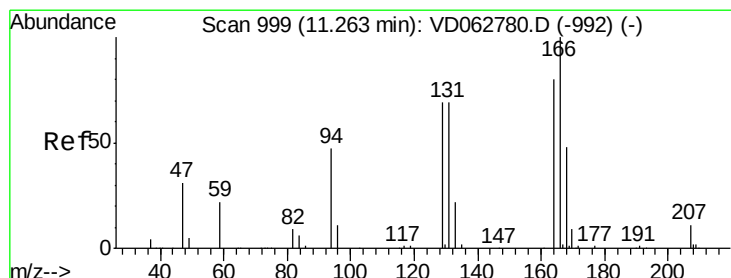
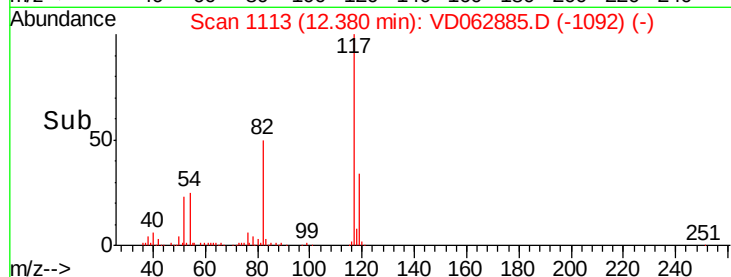
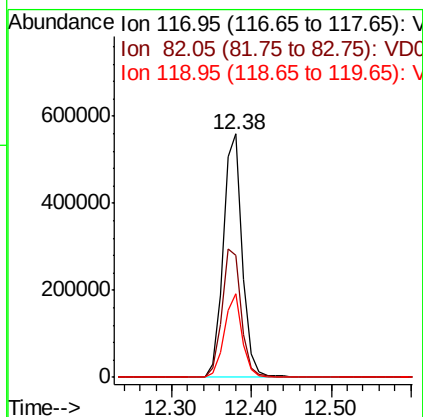
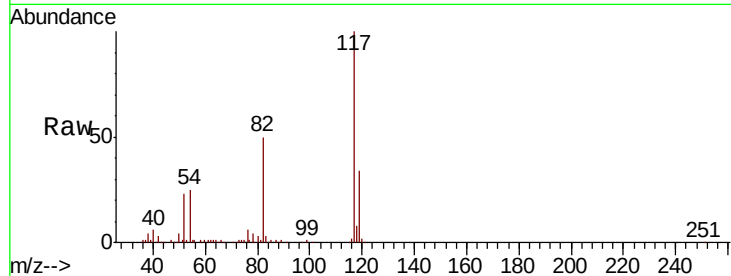




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VD062885.D
Acq: 25 Jun 2019 17:58

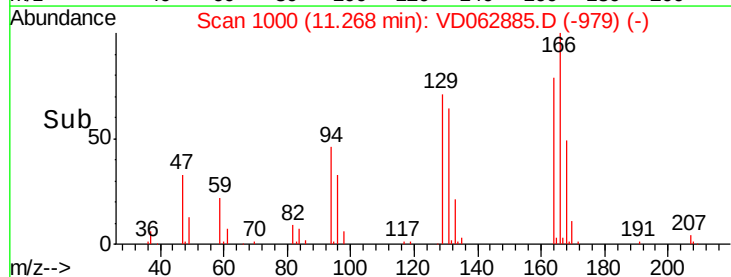
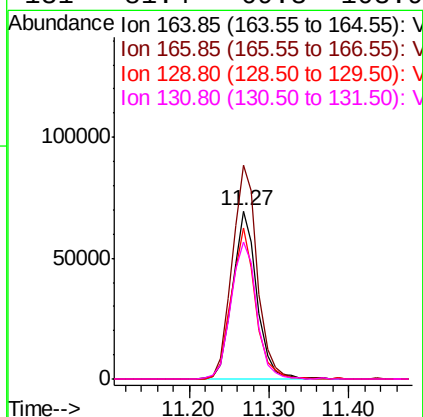
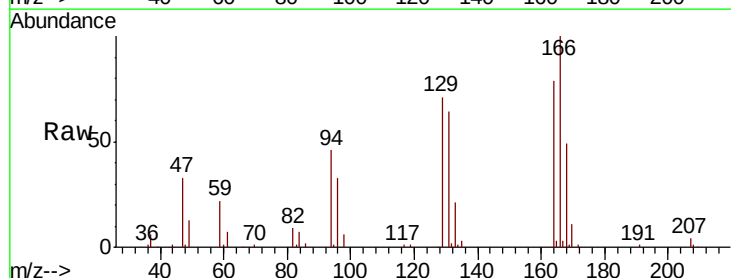
Instrument :
MSVOA_D
ClientSampleId :
B-2(11-12)

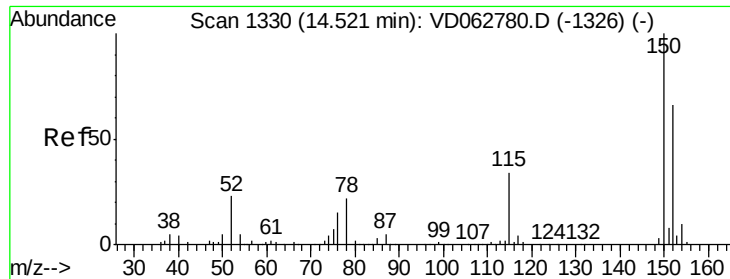
Tot Ion:117 Resp: 941743
Ion Ratio Lower Upper
117 100
82 50.4 40.4 60.6
119 34.4 25.2 37.8



#64
Tetrachloroethene
Concen: 19.031 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD062885.D
Acq: 25 Jun 2019 17:58

Tgt Ion:164 Resp: 147507
Ion Ratio Lower Upper
164 100
166 127.3 100.6 150.8
129 90.2 69.4 104.0
131 81.4 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: VD062885.D

Acq: 25 Jun 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

B-2(11-12)

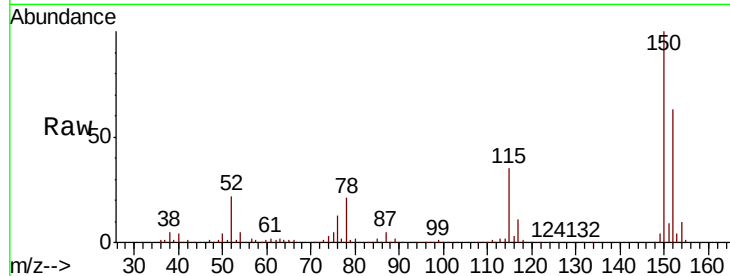
Tot Ion:152 Resp: 518814

Ion Ratio Lower Upper

152 100

115 55.2 29.2 87.6

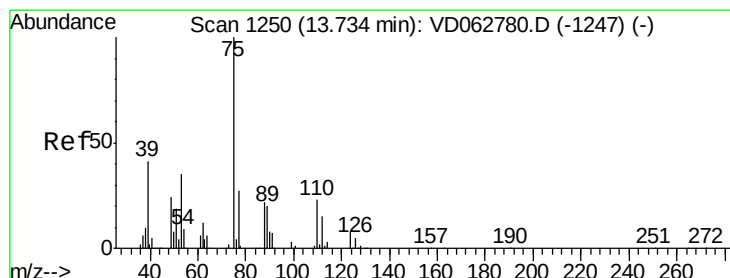
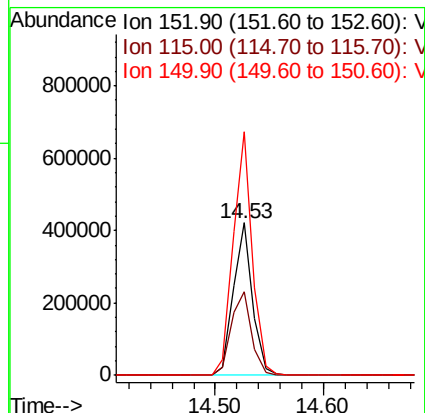
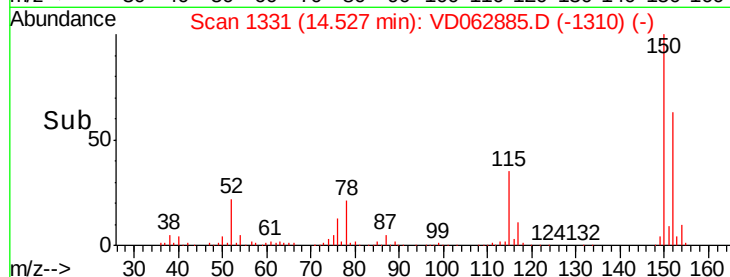
150 159.7 0.0 305.8



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: 27.142 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062885.D

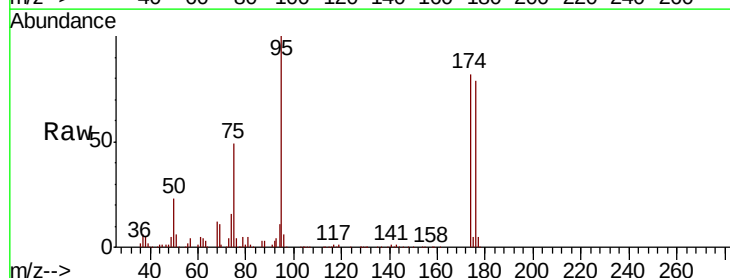
Acq: 25 Jun 2019 17:58

Tgt Ion: 75 Resp: 162564

Ion Ratio Lower Upper

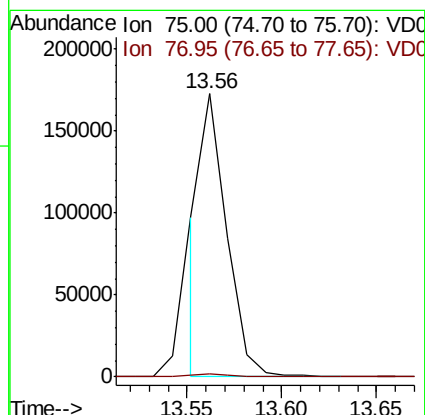
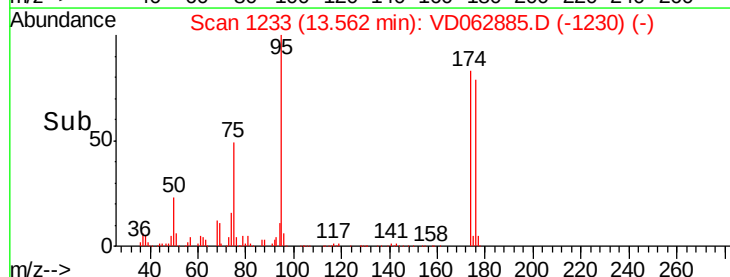
75 100

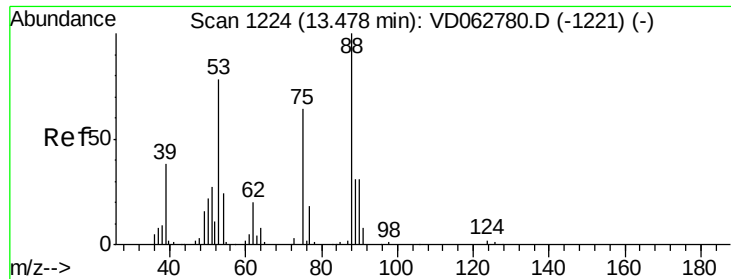
77 1.0 15.0 45.1#



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: 145.214 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.08 min

Lab File: VD062885.D

Acq: 25 Jun 2019 17:58

Instrument :

MSVOA_D

ClientSampleId :

B-2(11-12)

Tot Ion: 75 Resp: 227944

Ion Ratio Lower Upper

75 100

53 0.0 97.8 146.8#

89 0.0 39.4 59.2#

