

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063955.D
 Acq On : 14 Oct 2019 14:58
 Operator : VA/SY
 Sample : K5351-03
 Misc : 6.40G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 17:07:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	165221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	286817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	277474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	135831	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	85314	53.04	ug/l	0.00
Spiked Amount						
			Recovery	=	106.08%	
35) Dibromofluoromethane	7.92	113	89495	51.06	ug/l	0.00
Spiked Amount						
			Recovery	=	102.12%	
50) Toluene-d8	10.34	98	363485	51.09	ug/l	0.00
Spiked Amount						
			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.63	95	111449	45.08	ug/l	0.00
Spiked Amount						
			Recovery	=	90.16%	

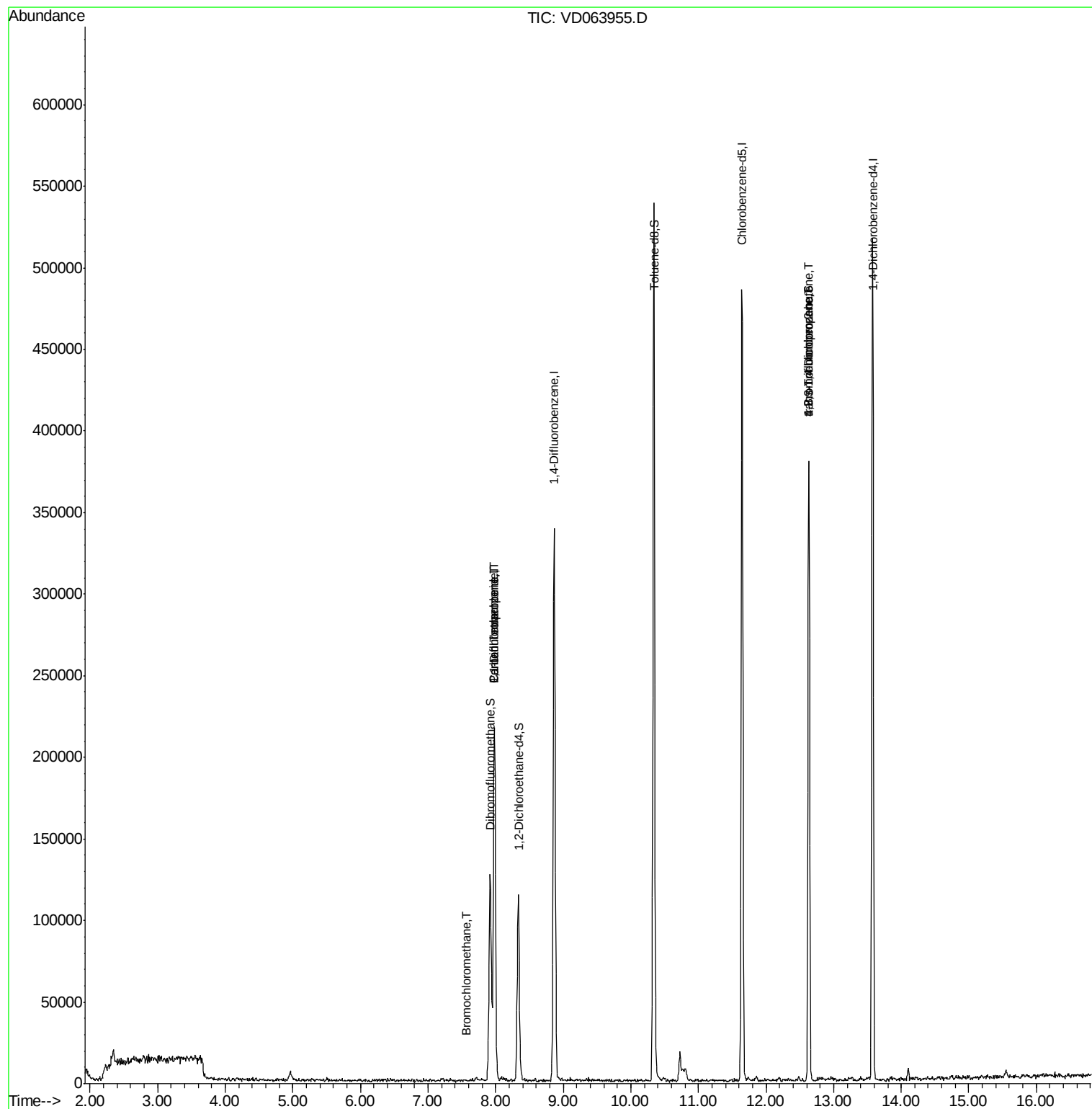
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	759	Below Cal	#	40
11) Tert butyl alcohol	5.25	59	391	Below Cal	#	60
20) Methylene Chloride	4.97	84	3780	Below Cal	#	61
28) Bromochloromethane	7.57	49	70	1.925	ug/l #	10
31) Cyclohexane	7.98	56	4406	Below Cal	#	45
36) 1,1-Dichloropropene	7.97	75	13124	5.004	ug/l #	47
37) Ethyl Acetate	7.31	43	175	Below Cal	#	68
38) Carbon Tetrachloride	7.99	117	17104	6.454	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	59458	65.356	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	59458	115.654	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.41	75	110	Below Cal	#	1

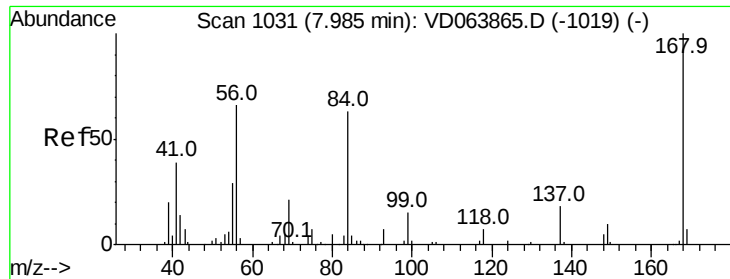
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101419\
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Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

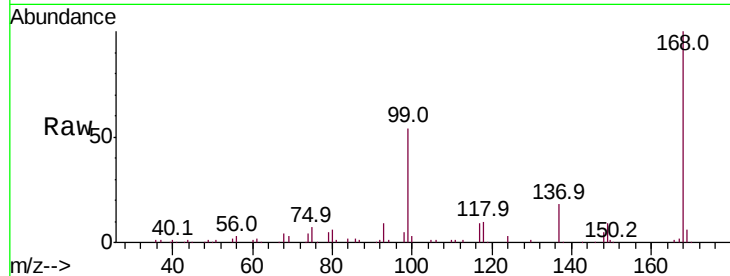
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 165221

Ion Ratio Lower Upper

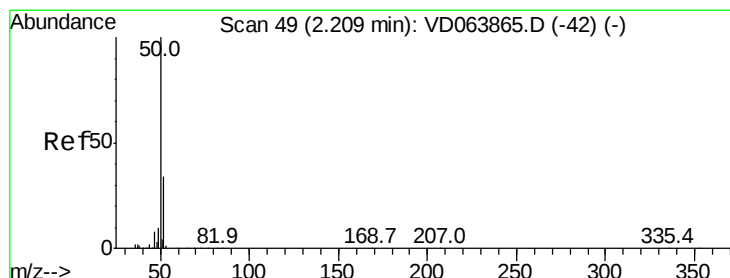
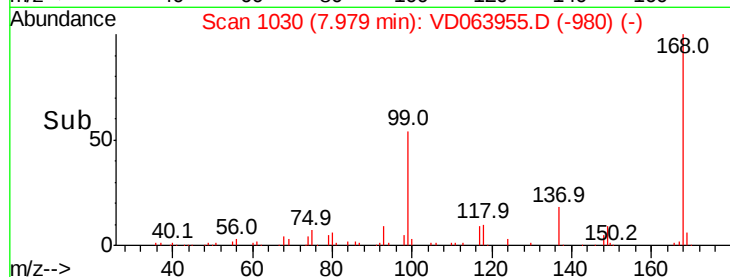
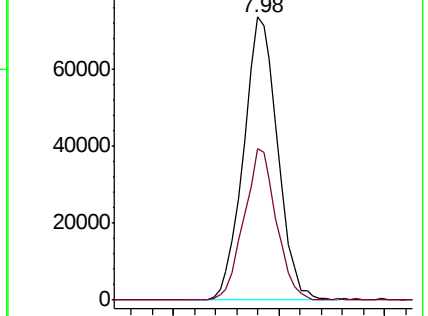
168 100

99 53.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD063955.D

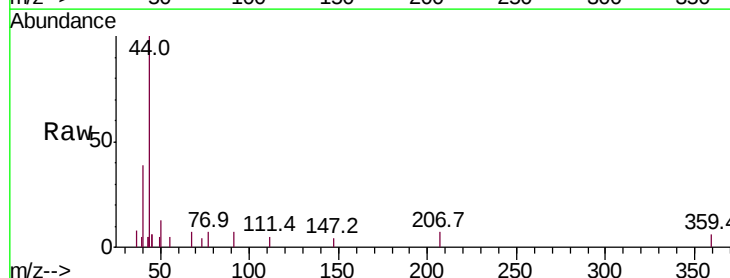
Acq: 14 Oct 2019 14:58

Tgt Ion: 50 Resp: 759

Ion Ratio Lower Upper

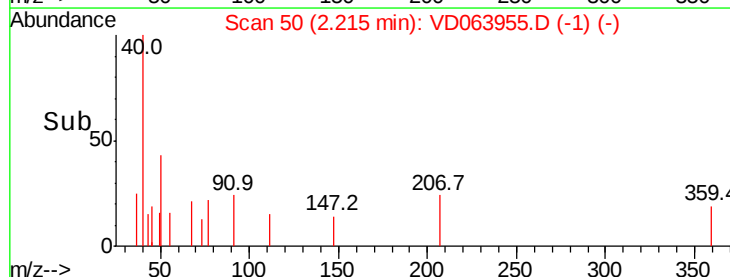
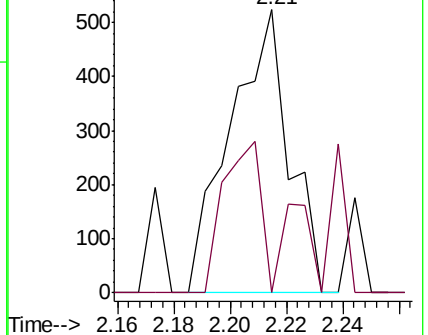
50 100

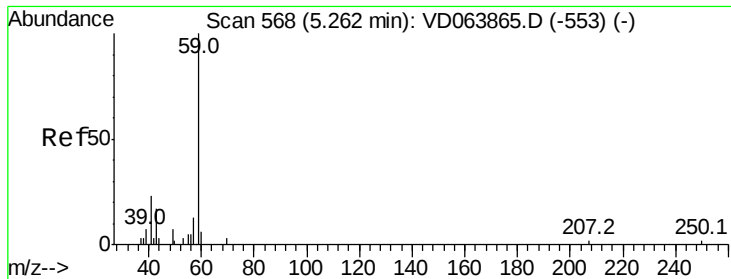
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



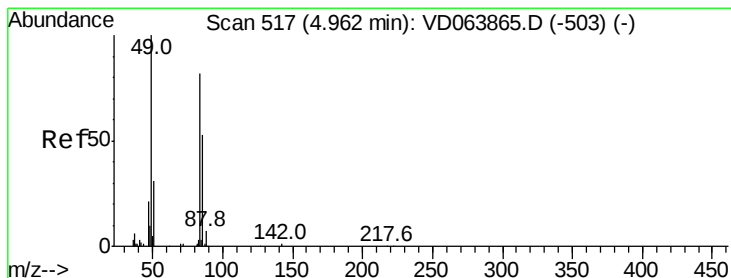
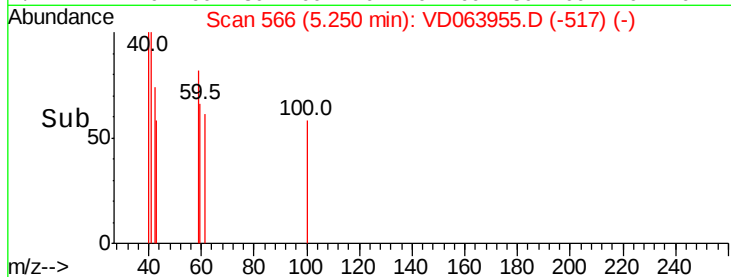
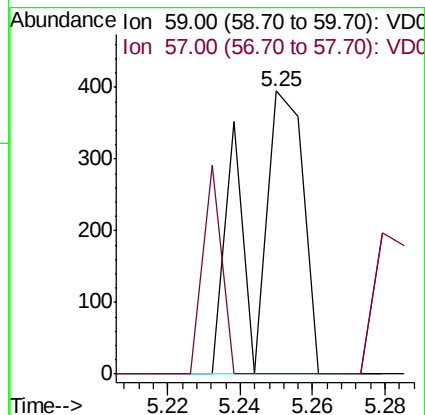
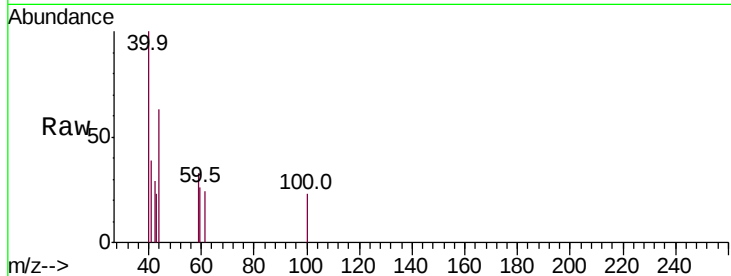


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063955.D
 Acq: 14 Oct 2019 14:58

Instrument :
 MSVOA_D
 ClientSampleID :

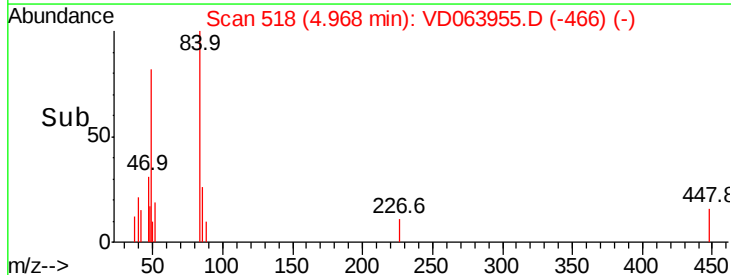
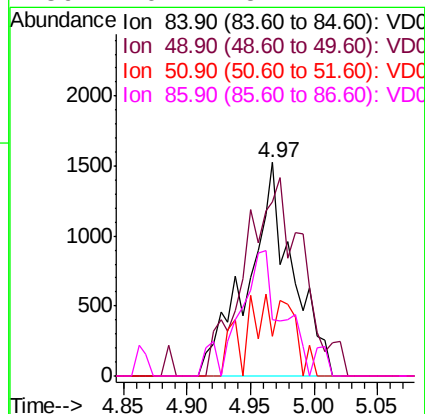
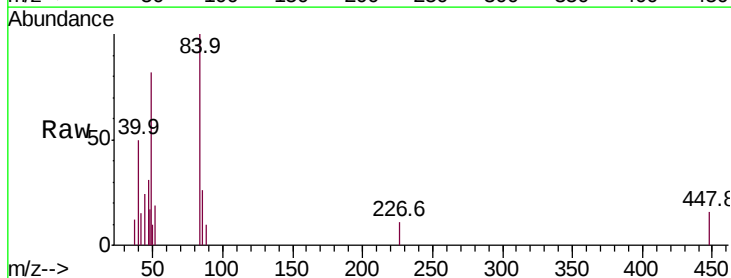
Tot Ion: 59 Resp: 391
 Ion Ratio Lower Upper
 59 100
 57 26.3 8.8 13.2#

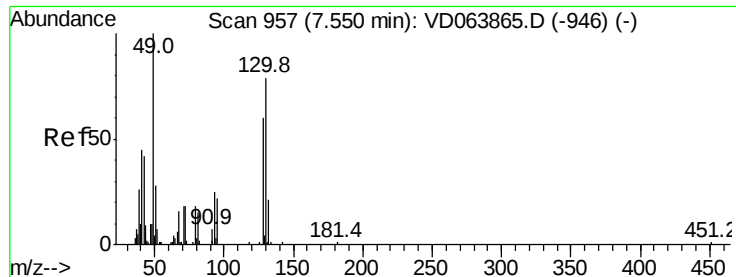


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063955.D
 Acq: 14 Oct 2019 14:58

Tgt Ion: 84 Resp: 3780
 Ion Ratio Lower Upper
 84 100
 49 81.6 97.3 145.9#
 51 18.7 30.1 45.1#
 86 26.2 51.4 77.2#





#28

Bromochloromethane

Concen: 1.925 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.02 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

Instrument :
MSVOA_D
ClientSampled :

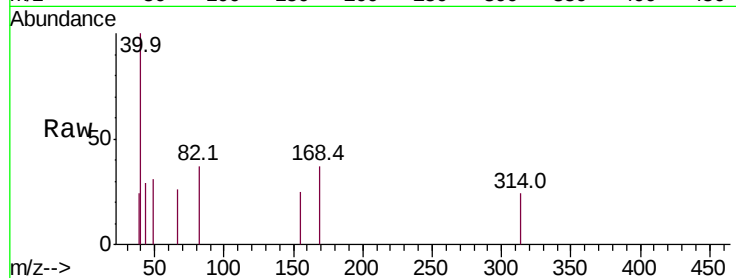
Tot Ion: 49 Resp: 70

Ion Ratio Lower Upper

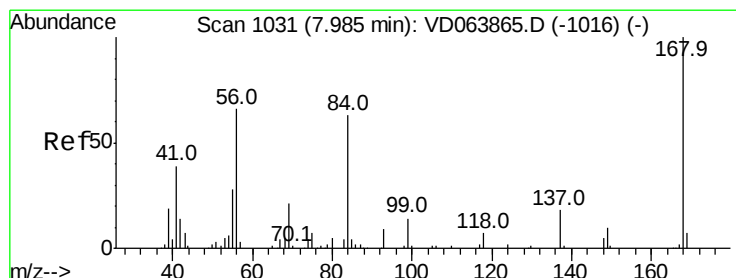
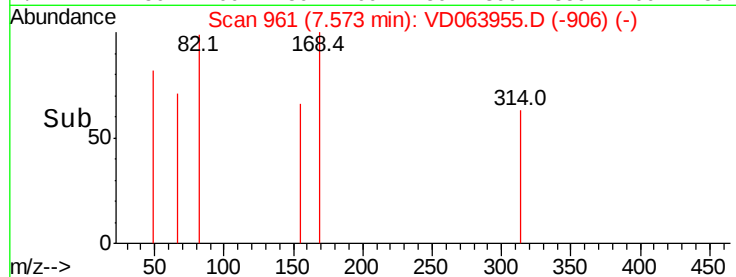
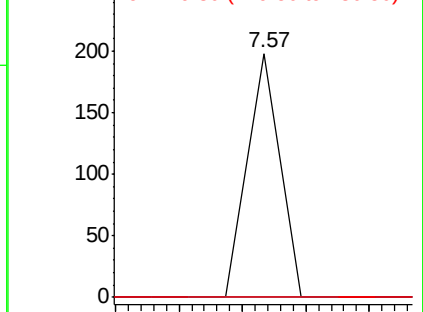
49 100

129 0.0 0.0 5.6

130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

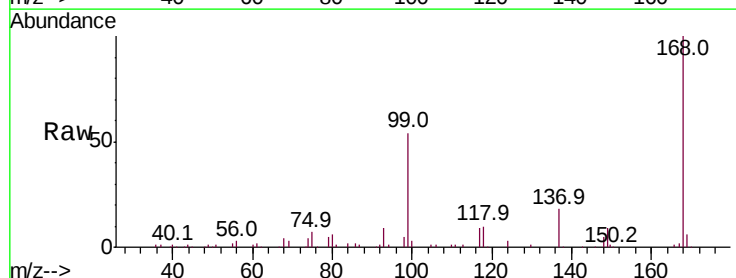
Tgt Ion: 56 Resp: 4406

Ion Ratio Lower Upper

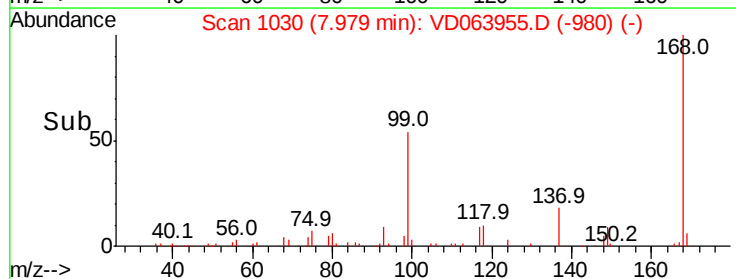
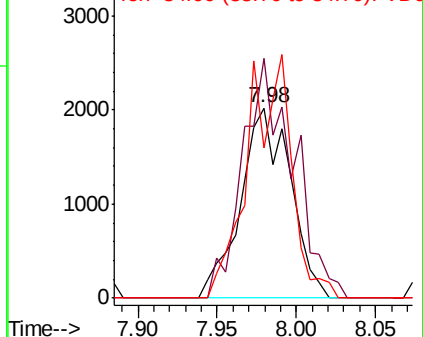
56 100

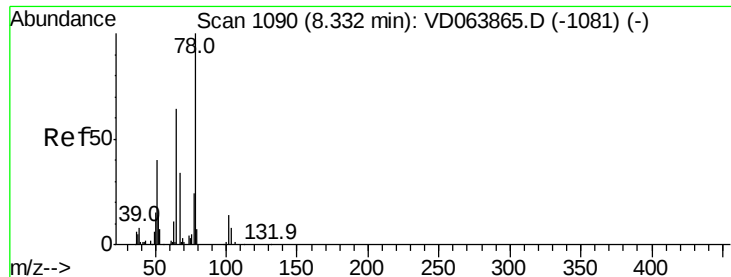
69 125.7 25.0 37.4#

84 78.6 76.3 114.5



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.038 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

Instrument :

MSVOA_D

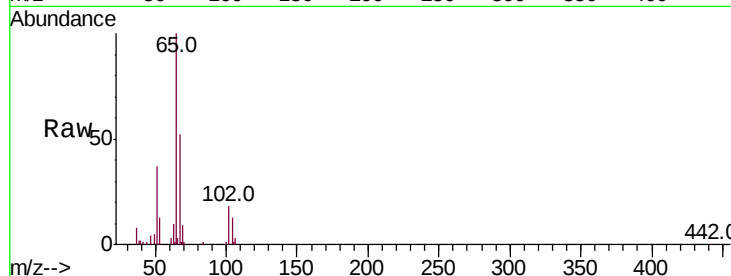
ClientSampleId :

Tot Ion: 65 Resp: 85314

Ion Ratio Lower Upper

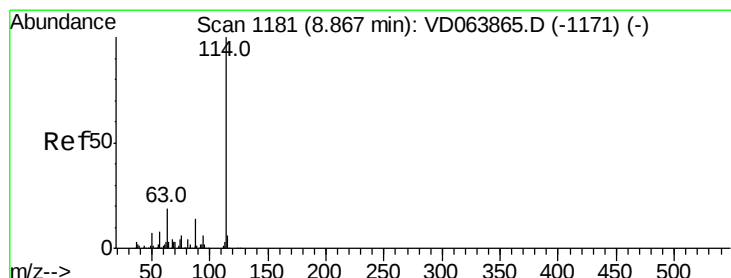
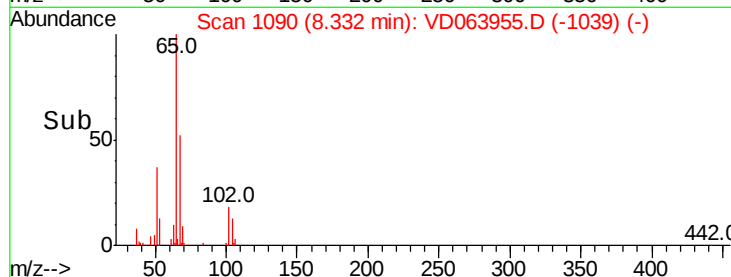
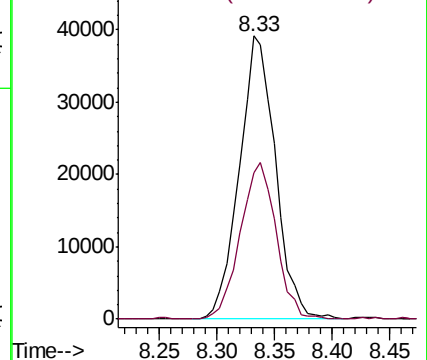
65 100

67 54.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

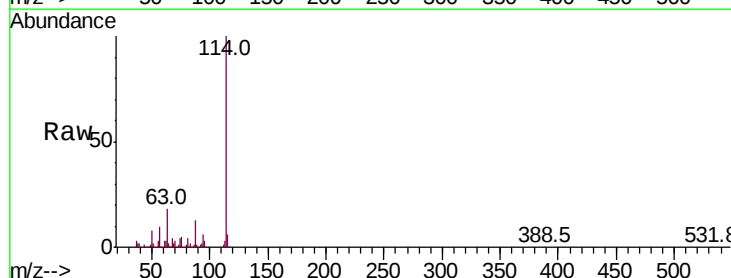
Tgt Ion: 114 Resp: 286817

Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

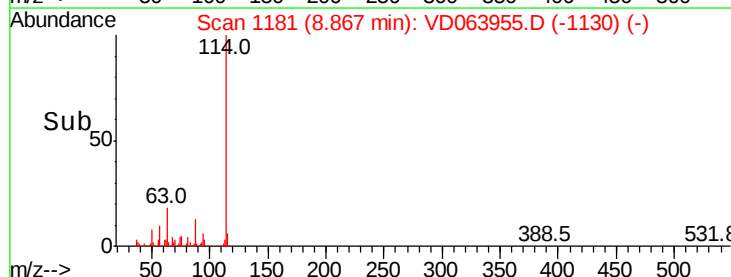
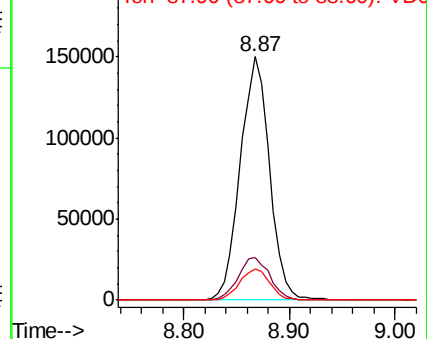
88 13.0 0.0 27.4

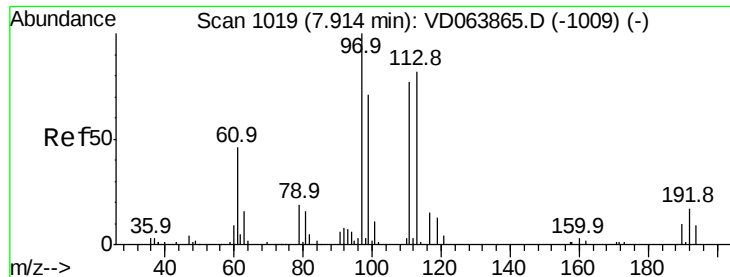


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

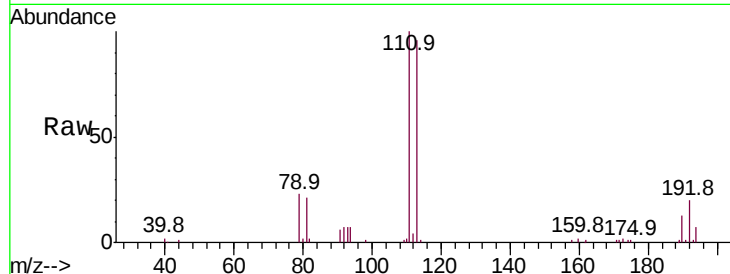




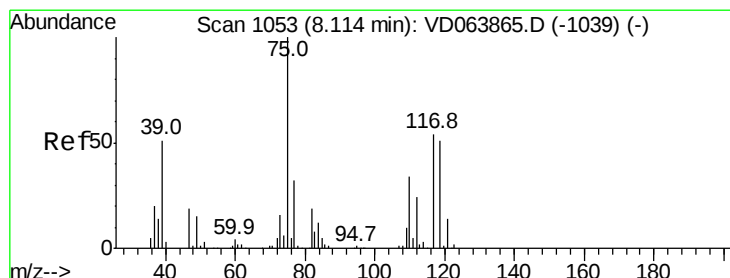
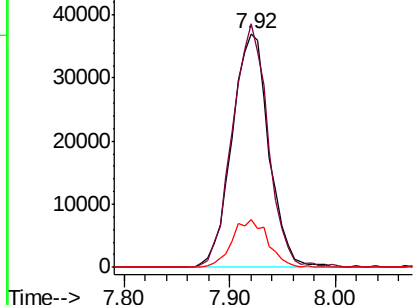
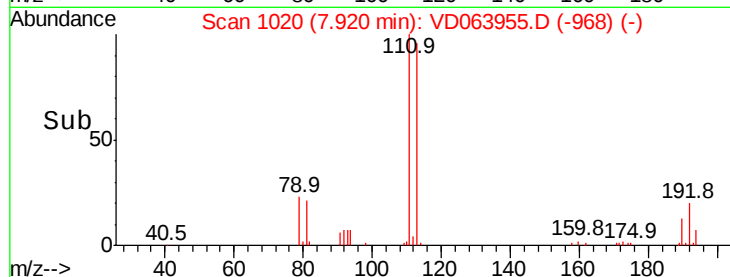
#35
Dibromofluoromethane
Concen: 51.058 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063955.D
Acq: 14 Oct 2019 14:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 89495
Ion Ratio Lower Upper
113 100
111 100.8 82.6 123.8
192 19.7 17.1 25.7

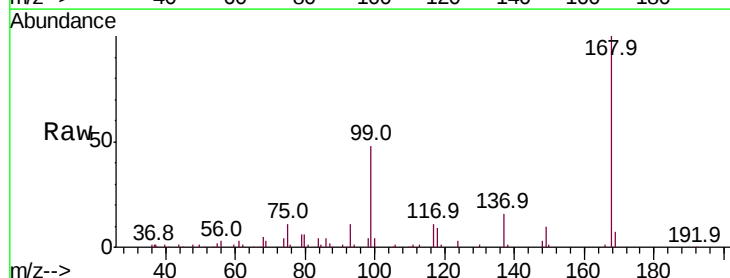


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

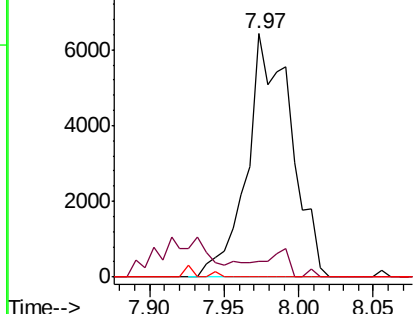
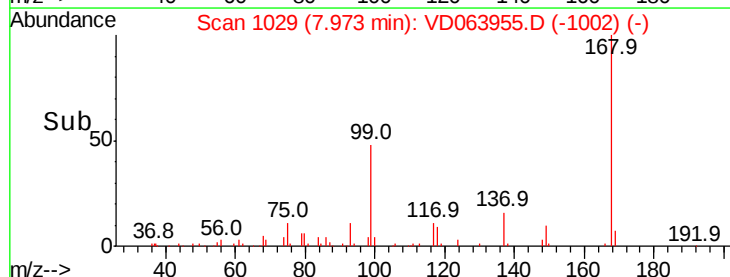


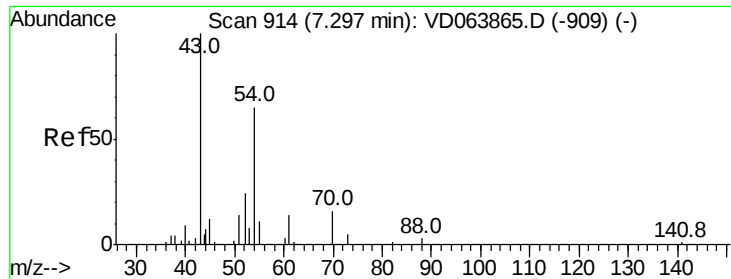
#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.14 min
Lab File: VD063955.D
Acq: 14 Oct 2019 14:58

Tgt Ion: 75 Resp: 13124
Ion Ratio Lower Upper
75 100
110 5.9 17.4 52.3#
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

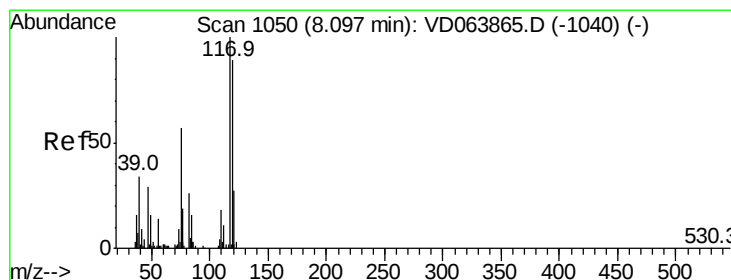
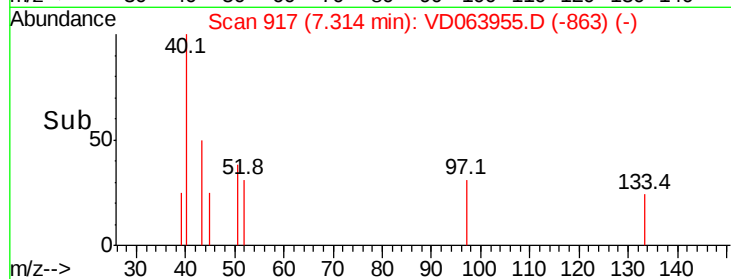
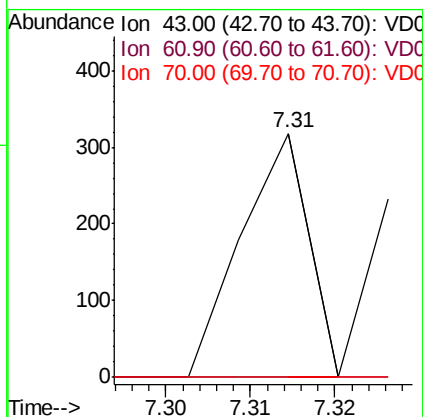
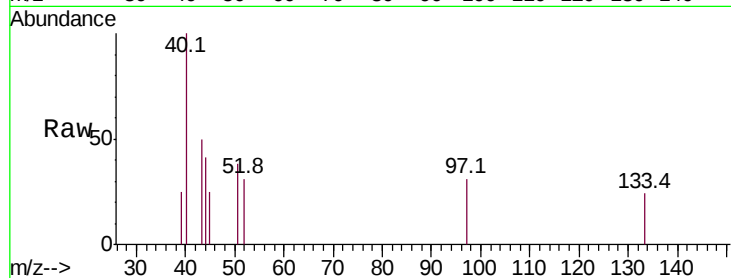




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 917
Delta R.T. 0.02 min
Lab File: VD063955.D
Acq: 14 Oct 2019 14:58

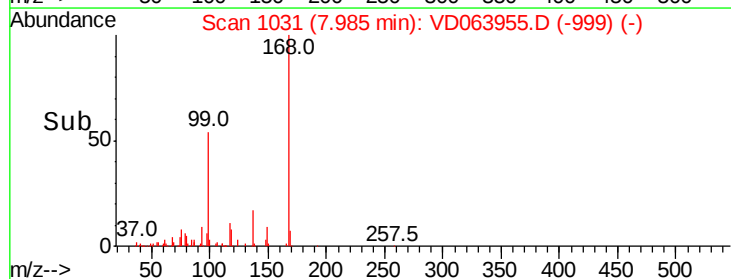
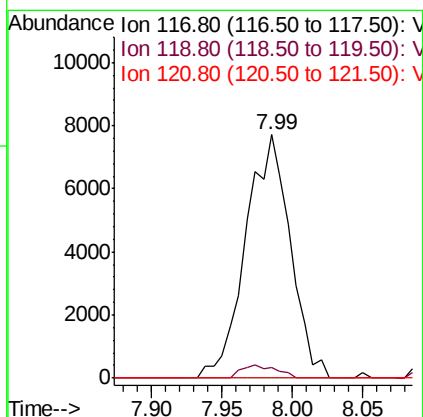
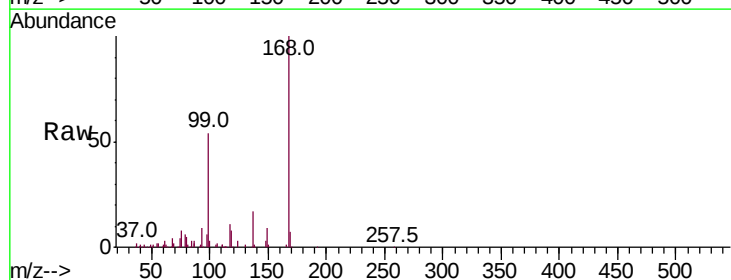
Instrument :
MSVOA_D
ClientSampleId :

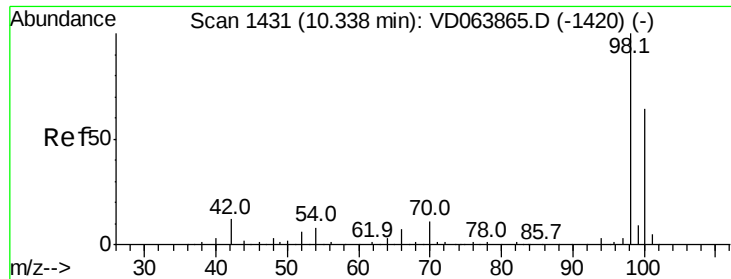
Tot Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063955.D
Acq: 14 Oct 2019 14:58

Tgt Ion: 117 Resp: 17104
Ion Ratio Lower Upper
117 100
119 4.1 70.8 106.2#
121 0.0 21.4 32.0#





#50

Toluene-d8

Concen: 51.091 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

Instrument :

MSVOA_D

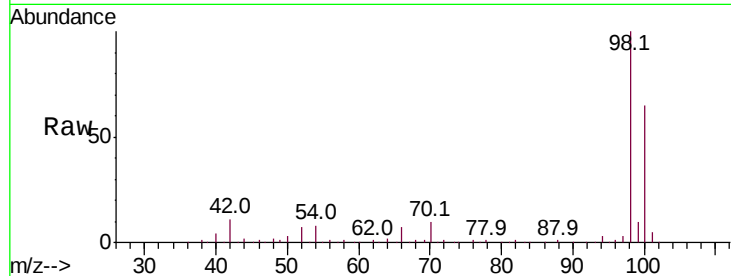
ClientSampleId :

Tot Ion: 98 Resp: 363485

Ion Ratio Lower Upper

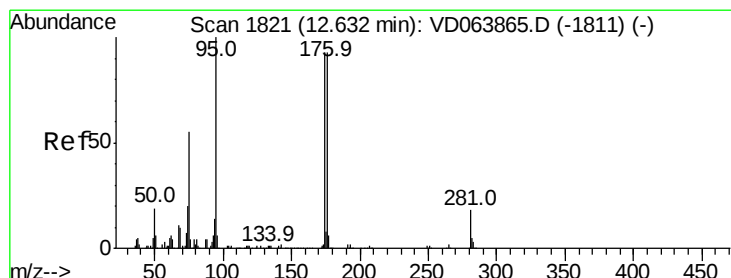
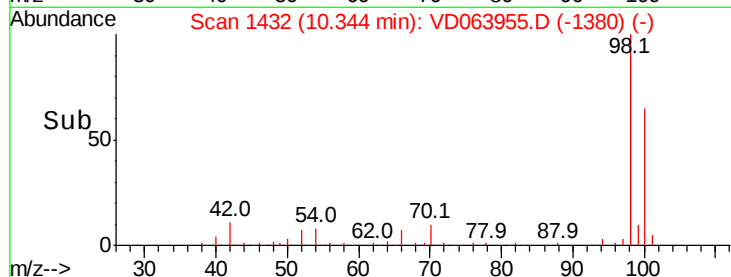
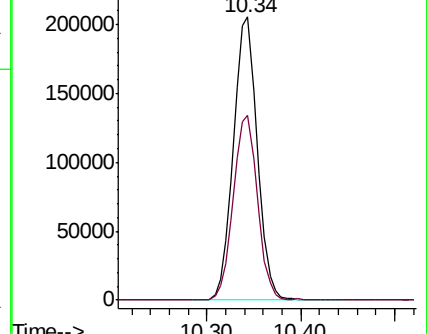
98 100

100 65.9 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 45.080 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

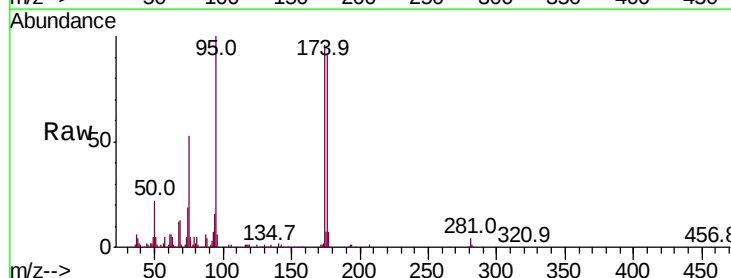
Tgt Ion: 95 Resp: 111449

Ion Ratio Lower Upper

95 100

174 94.9 0.0 186.4

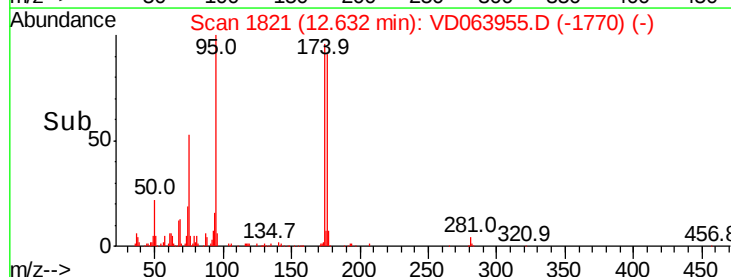
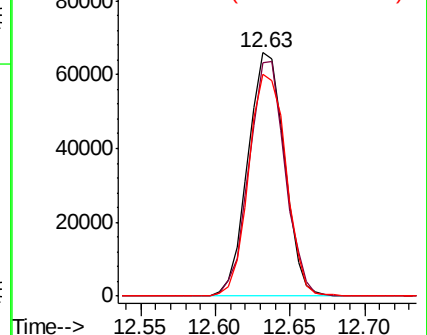
176 92.9 0.0 184.2

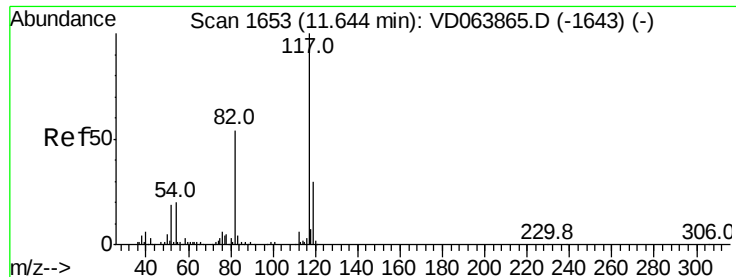


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

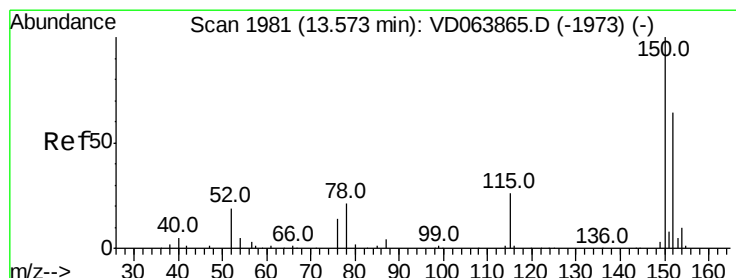
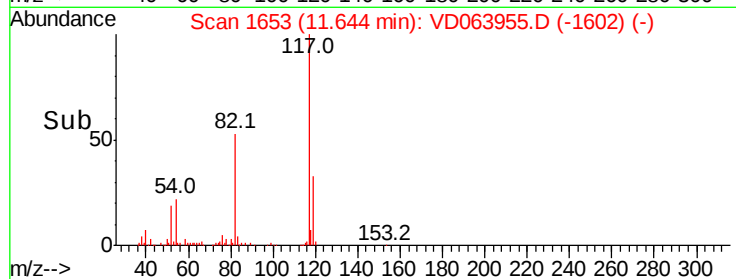
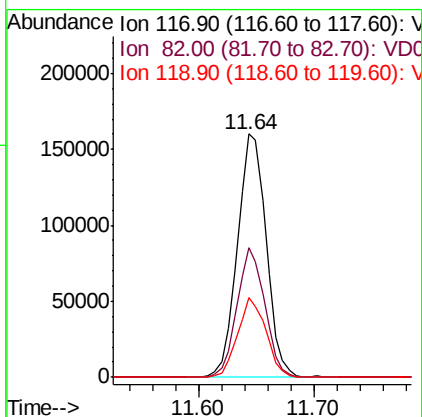
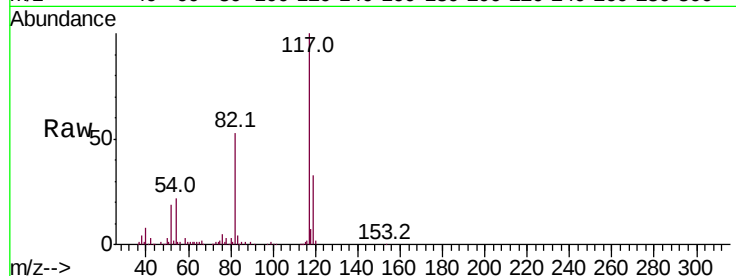




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063955.D
Acq: 14 Oct 2019 14:58

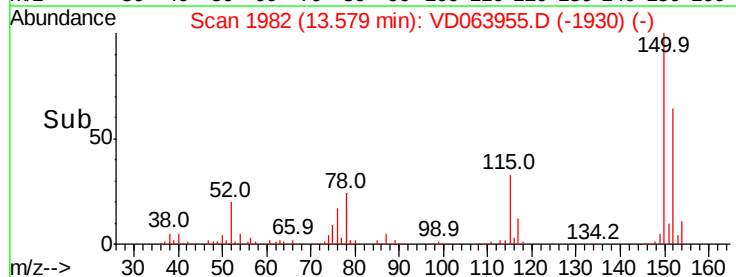
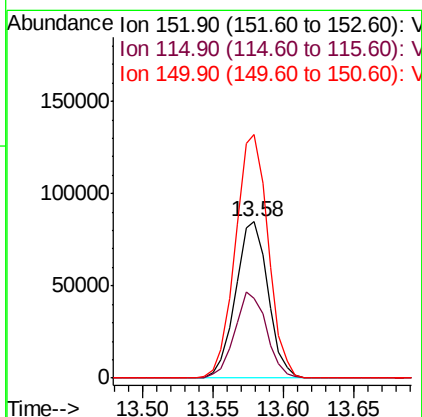
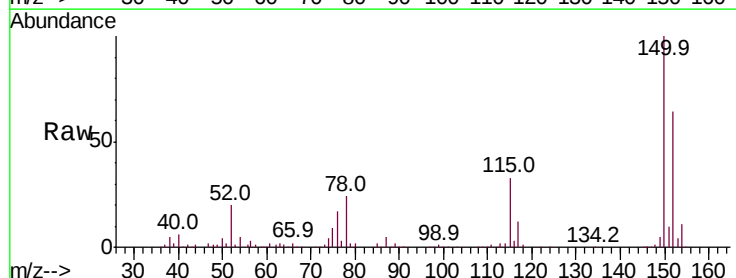
Instrument :
MSVOA_D
ClientSampleId :

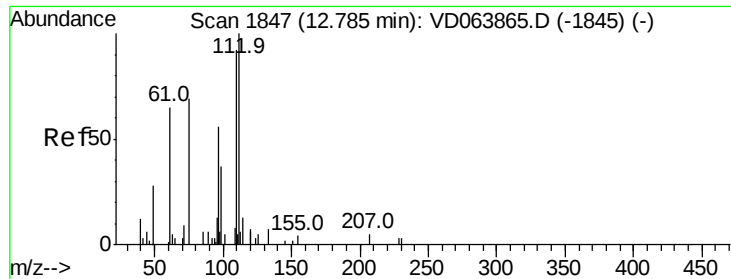
Tot Ion:117 Resp: 277474
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.7 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063955.D
Acq: 14 Oct 2019 14:58

Tgt Ion:152 Resp: 135831
Ion Ratio Lower Upper
152 100
115 53.9 25.9 77.7
150 157.7 0.0 344.2

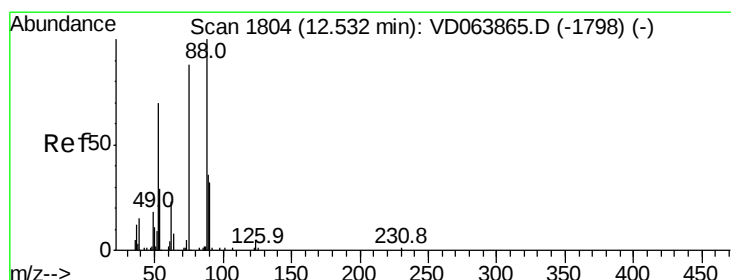
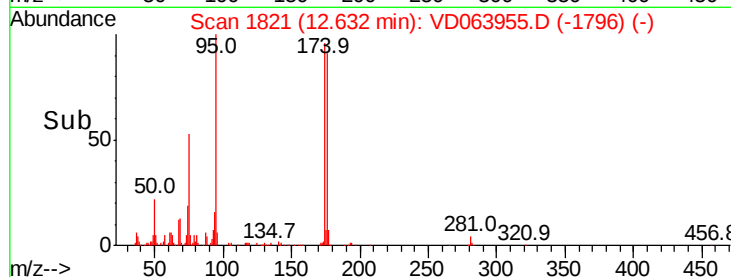
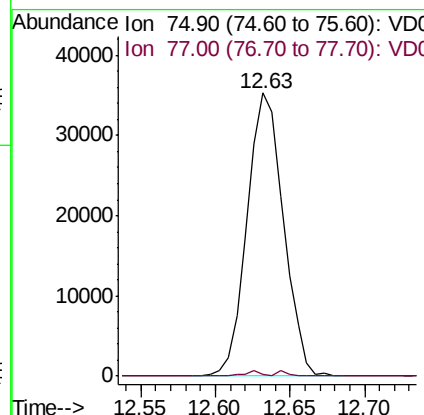
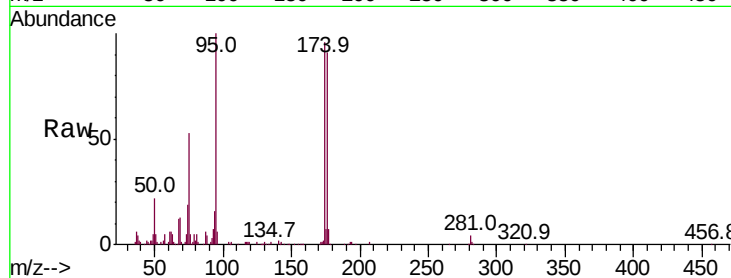




#76
 1,2,3-Trichloropropane
 Concen: 65.356 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD063955.D
 Acq: 14 Oct 2019 14:58

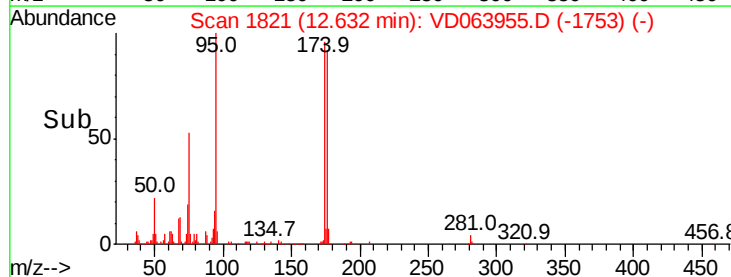
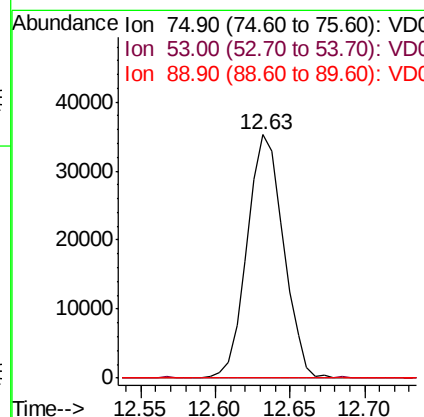
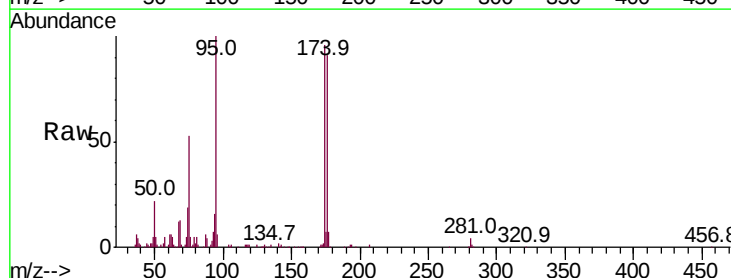
Instrument :
 MSVOA_D
 ClientSampleId :

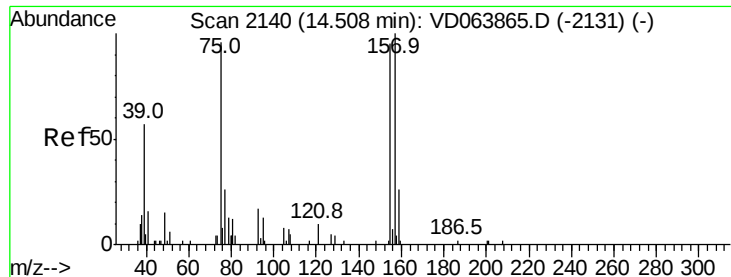
Tot Ion: 75 Resp: 59458
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.654 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD063955.D
 Acq: 14 Oct 2019 14:58

Tgt Ion: 75 Resp: 59458
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.0 112.6#
 89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.41 min Scan# 2124

Delta R.T. -0.09 min

Lab File: VD063955.D

Acq: 14 Oct 2019 14:58

Instrument :

MSVOA_D

ClientSampleId :

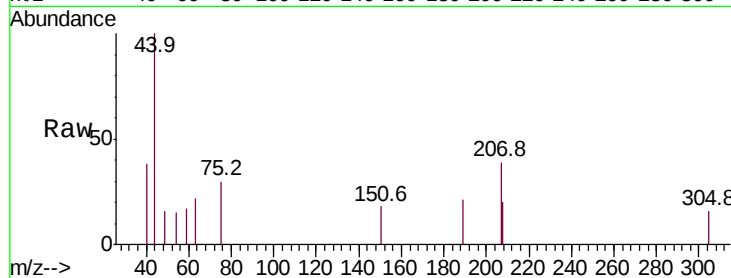
Tot Ion: 75 Resp: 110

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

