

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101419\
 Data File : VD063956.D
 Acq On : 14 Oct 2019 15:26
 Operator : VA/SY
 Sample : K5352-02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 14 17:08:02 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	162842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	281414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	276961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137280	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	83375	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	7.92	113	89321	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.34	98	361724	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.64	95	112705	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

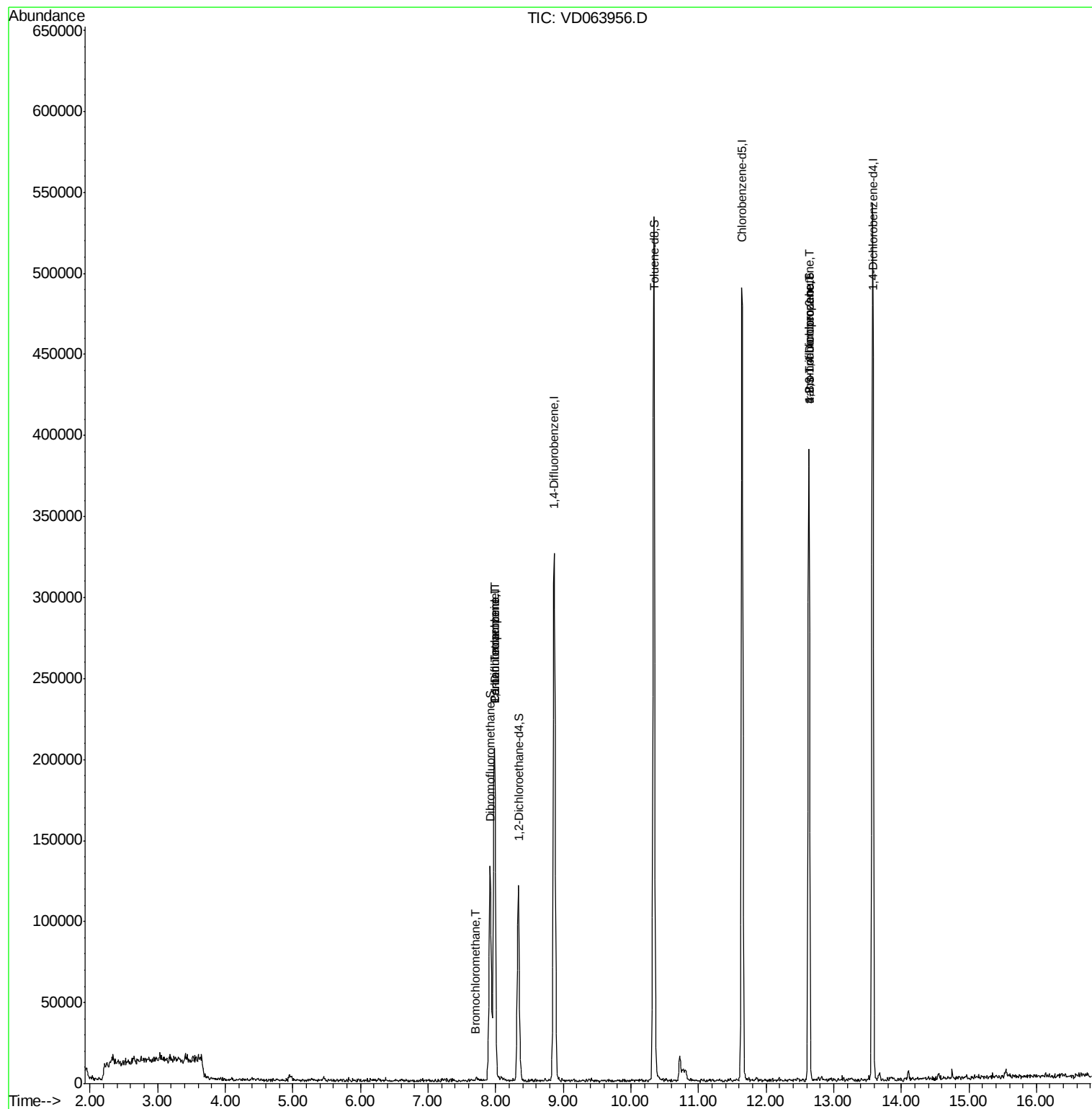
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	842	Below Cal		91
11) Tert butyl alcohol	5.24	59	326	Below Cal	#	71
20) Methylene Chloride	4.97	84	1153	Below Cal	#	48
28) Bromochloromethane	7.70	49	174	2.019	ug/l #	10
31) Cyclohexane	7.98	56	4142	Below Cal	#	1
36) 1,1-Dichloropropene	7.98	75	11767	4.573	ug/l #	46
37) Ethyl Acetate	7.31	43	69	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	15478	5.953	ug/l #	19
76) 1,2,3-Trichloropropane	12.63	75	61579	66.973	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	61579	118.515	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	69	Below Cal	#	1

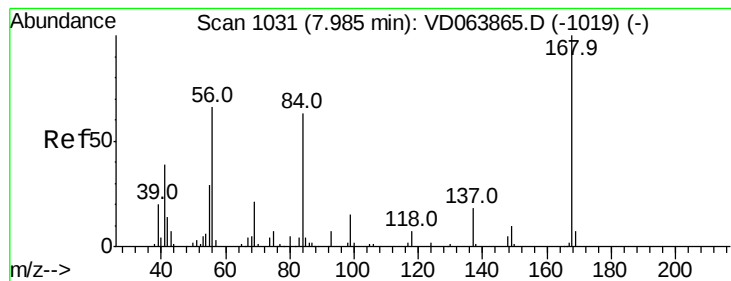
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

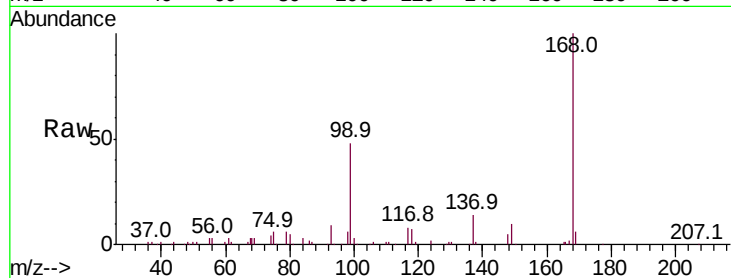
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 162842

Ion Ratio Lower Upper

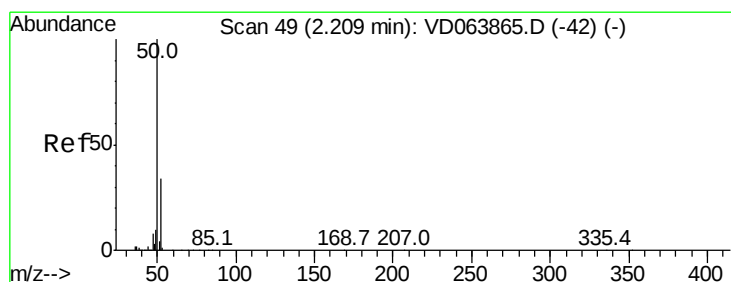
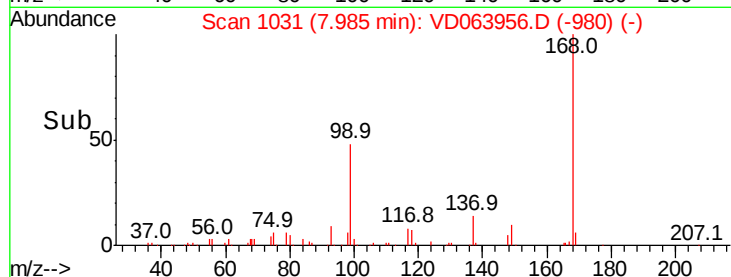
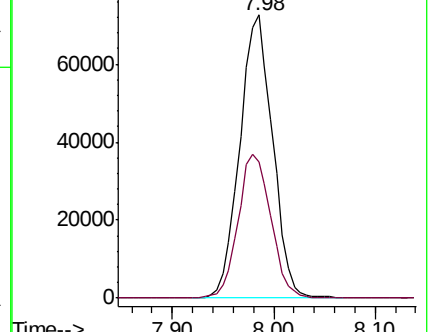
168 100

99 48.2 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# 49

Delta R.T. 0.00 min

Lab File: VD063956.D

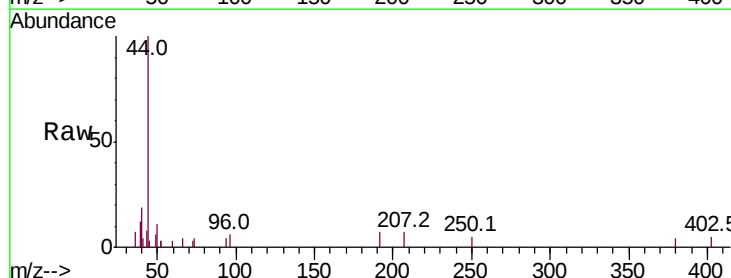
Acq: 14 Oct 2019 15:26

Tgt Ion: 50 Resp: 842

Ion Ratio Lower Upper

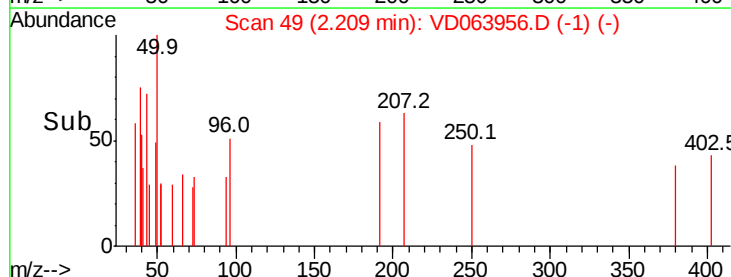
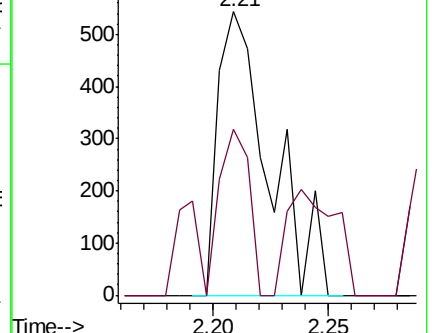
50 100

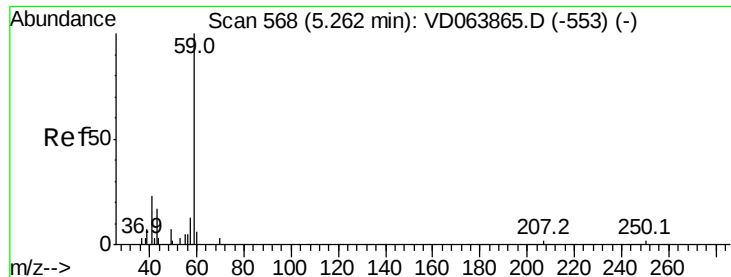
52 29.3 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



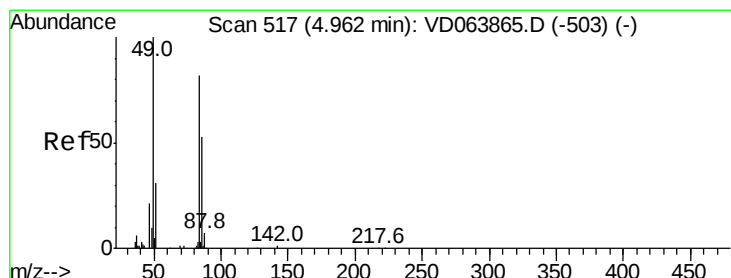
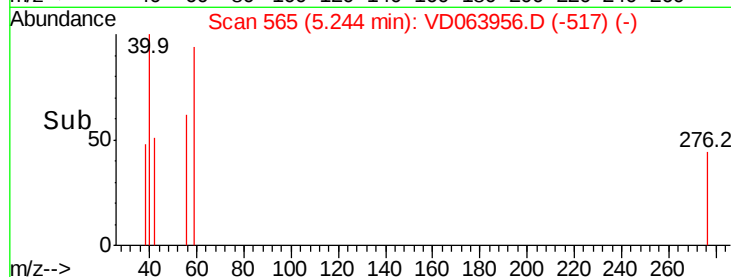
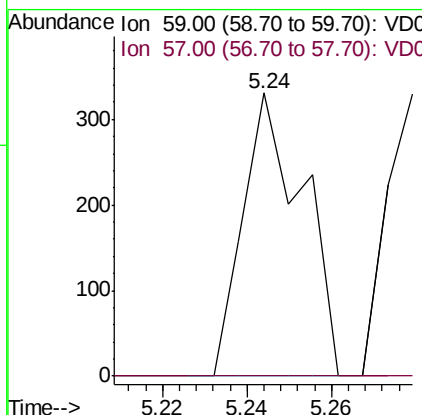
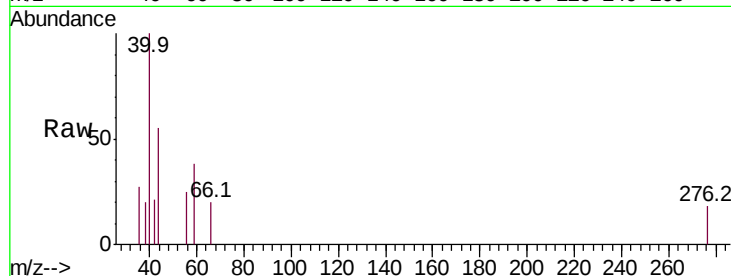


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063956.D
 Acq: 14 Oct 2019 15:26

Instrument :
 MSVOA_D
 ClientSampleID :

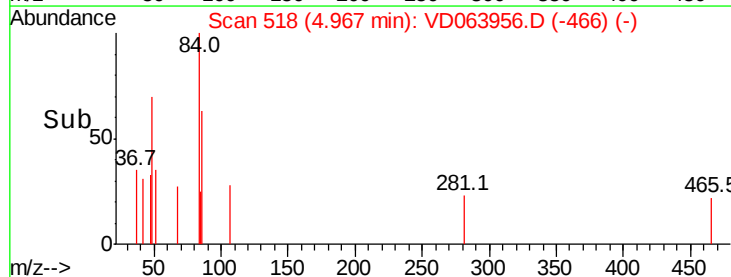
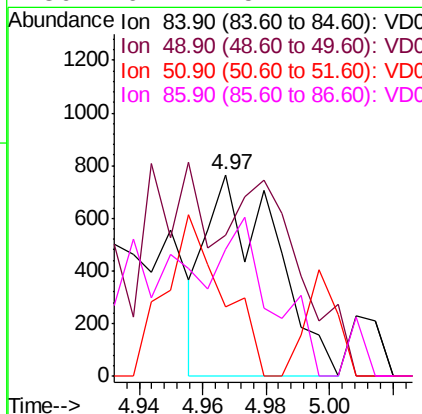
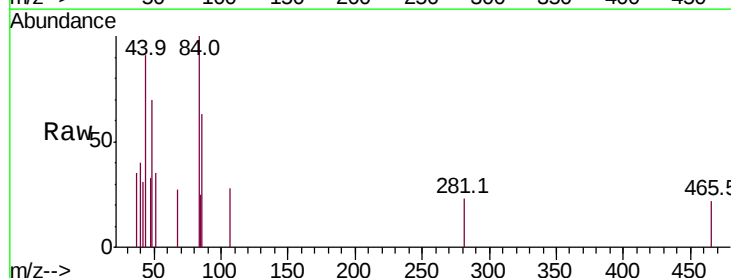
Tot Ion: 59 Resp: 326
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

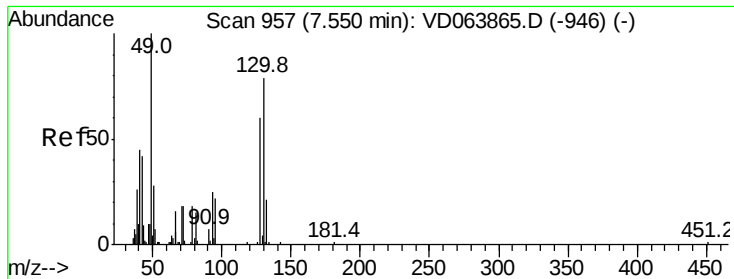


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063956.D
 Acq: 14 Oct 2019 15:26

Tgt Ion: 84 Resp: 1153
 Ion Ratio Lower Upper
 84 100
 49 34.6 97.3 145.9#
 51 3.9 30.1 45.1#
 86 62.7 51.4 77.2





#28

Bromochloromethane

Concen: 2.019 ug/l

RT: 7.70 min Scan# 983

Delta R.T. 0.15 min

Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :

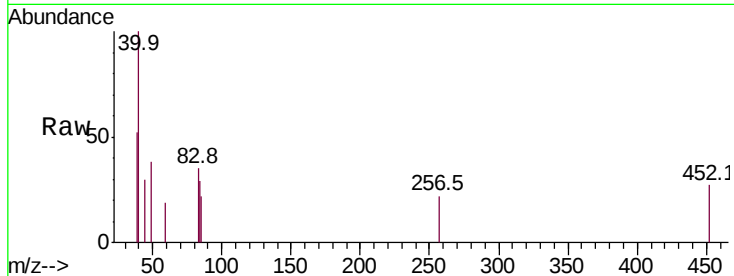
Tot Ion: 49 Resp: 174

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

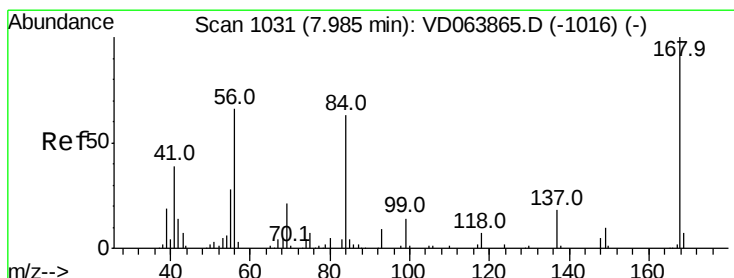
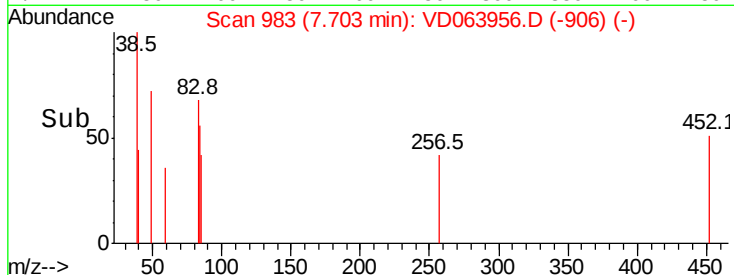
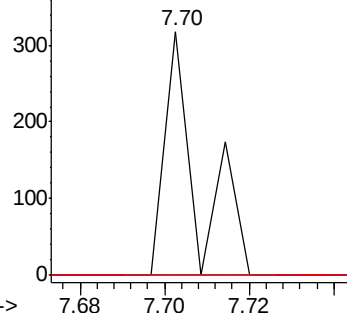
130 0.0 66.8 100.2#



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: VD063956.D

Acq: 14 Oct 2019 15:26

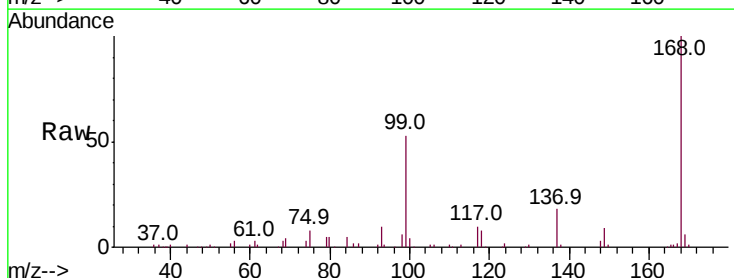
Tgt Ion: 56 Resp: 4142

Ion Ratio Lower Upper

56 100

69 149.5 25.0 37.4#

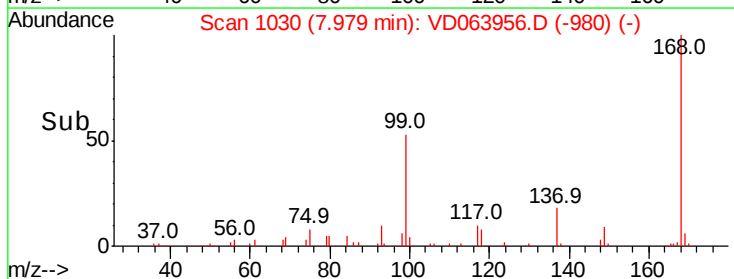
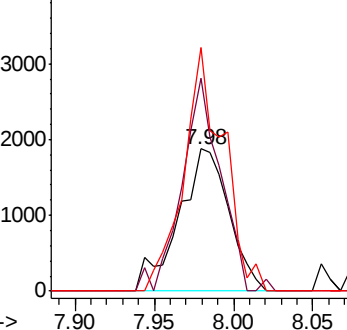
84 170.9 76.3 114.5#

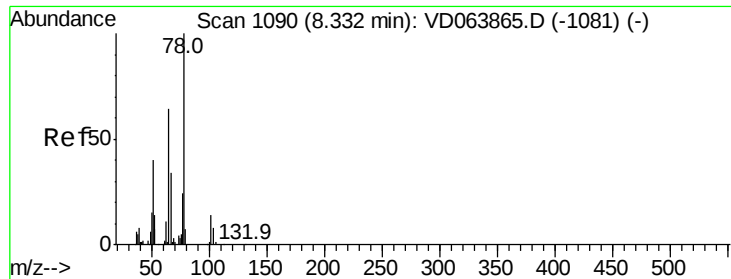


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.590 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

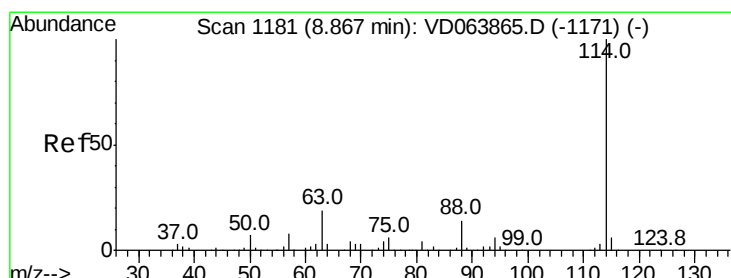
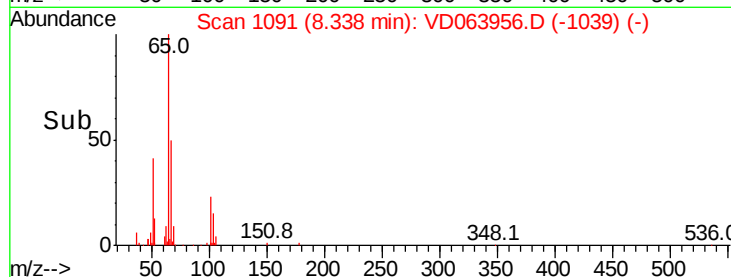
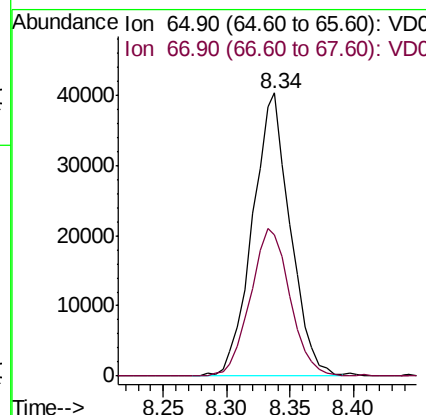
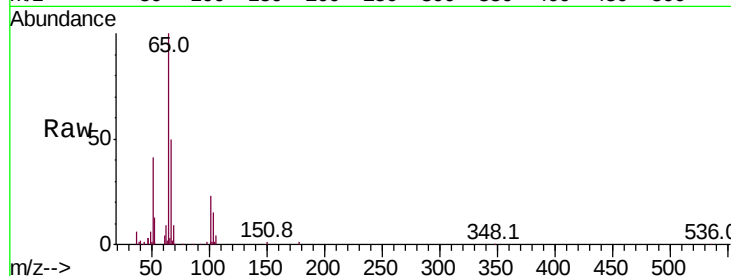
Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 83375

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

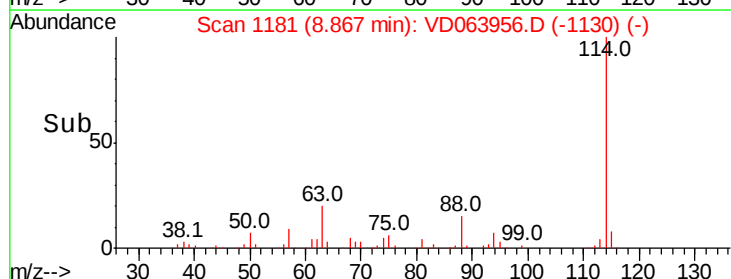
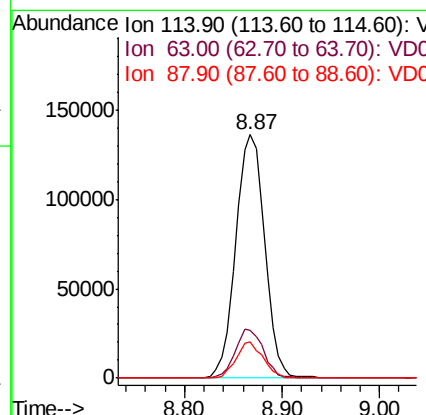
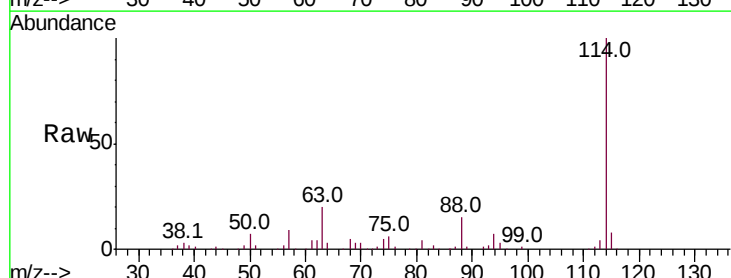
Delta R.T. -0.00 min

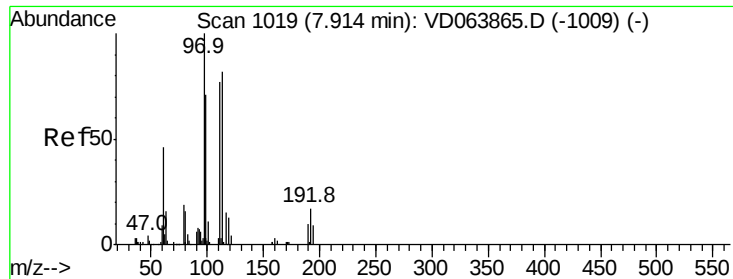
Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

Tgt Ion: 114 Resp: 281414

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.4
88	14.7	0.0	27.4

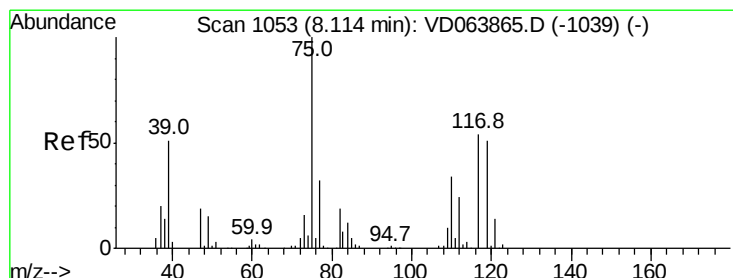
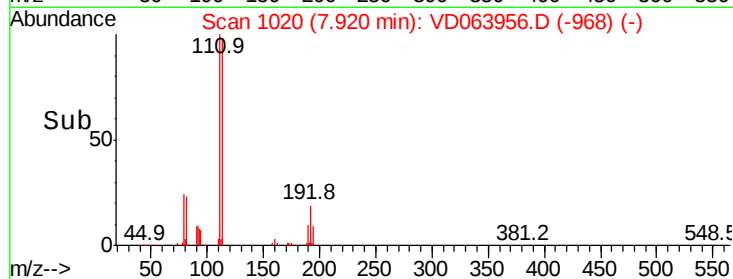
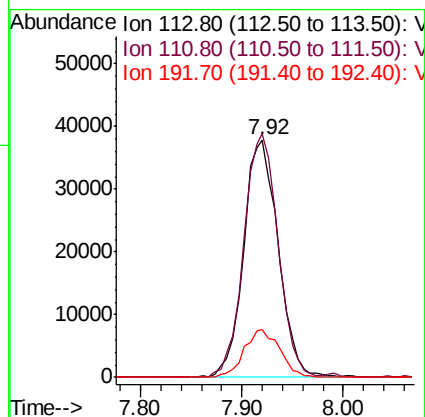
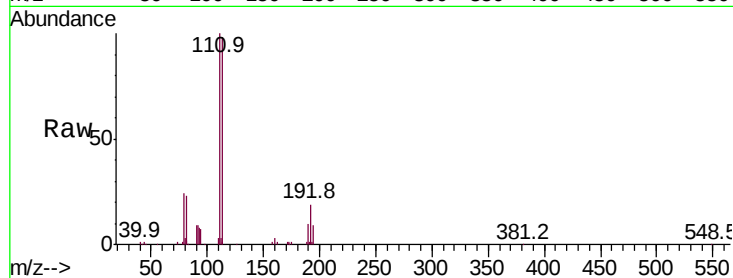




#35
 Dibromofluoromethane
 Concen: 51.937 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063956.D
 Acq: 14 Oct 2019 15:26

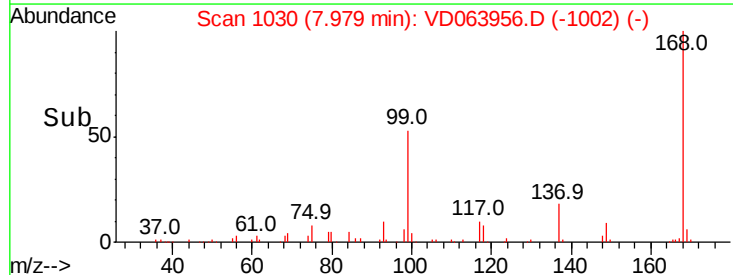
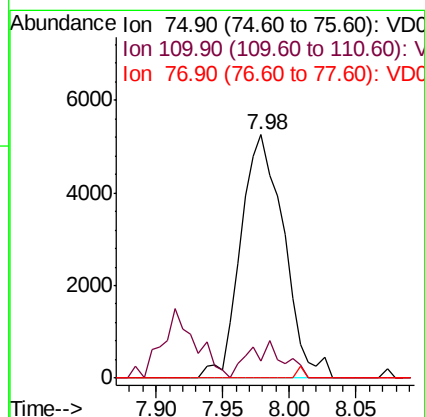
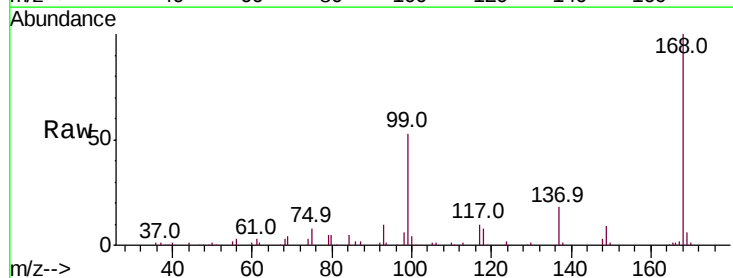
Instrument :
 MSVOA_D
 ClientSampled :

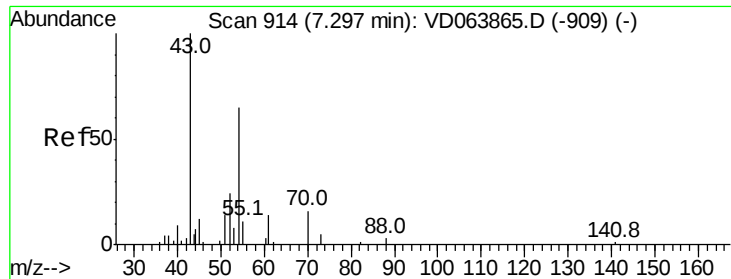
Tot Ion:113 Resp: 89321
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 20.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.573 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063956.D
 Acq: 14 Oct 2019 15:26

Tgt Ion: 75 Resp: 11767
 Ion Ratio Lower Upper
 75 100
 110 5.5 17.4 52.3#
 77 0.0 25.4 38.0#

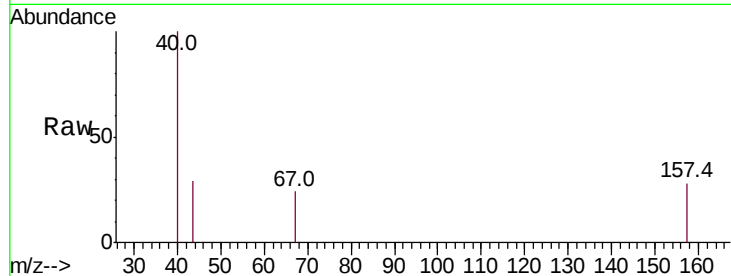




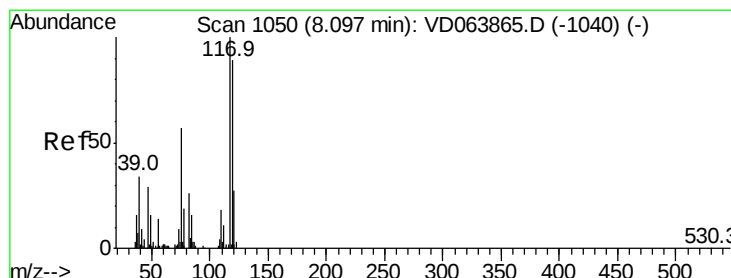
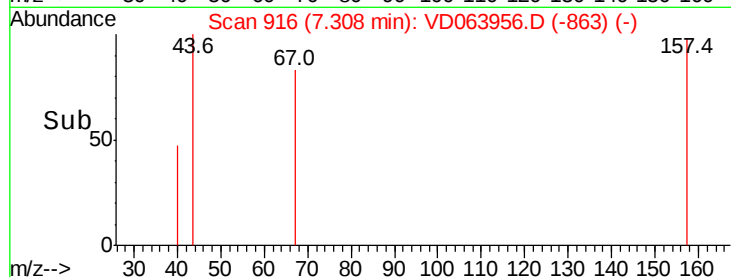
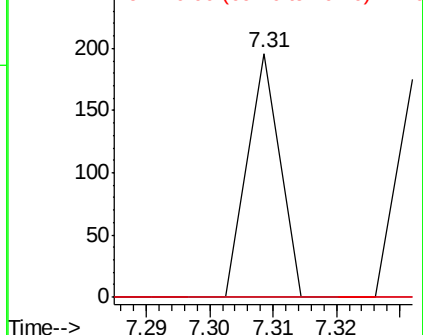
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD063956.D
Acq: 14 Oct 2019 15:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

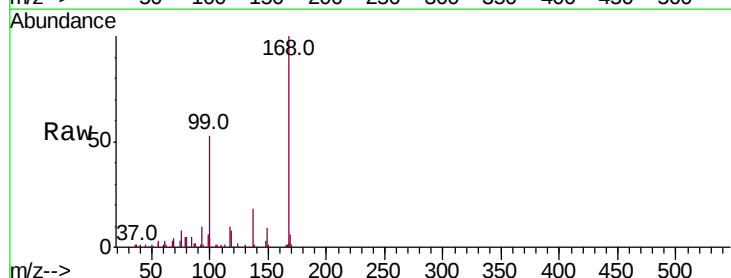


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

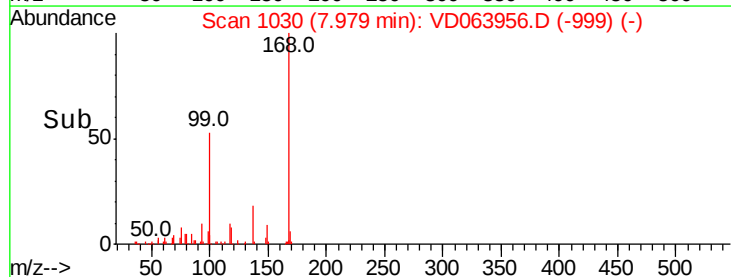
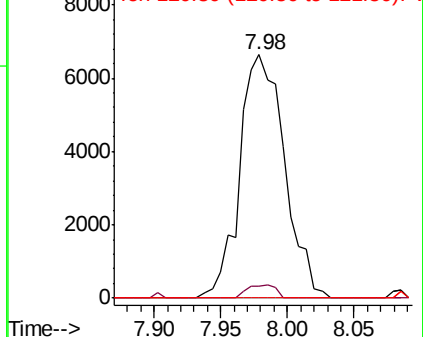


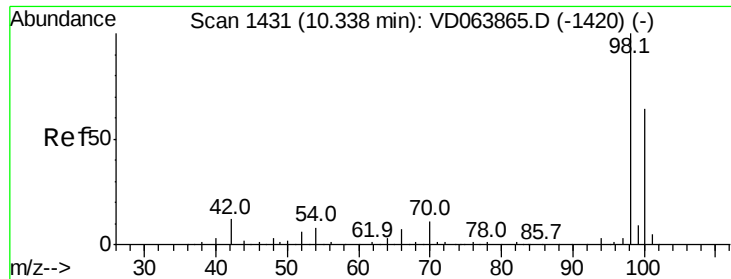
#38
Carbon Tetrachloride
Concen: 5.953 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063956.D
Acq: 14 Oct 2019 15:26

Tgt Ion: 117 Resp: 15478
Ion Ratio Lower Upper
117 100
119 4.7 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.820 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

Instrument :

MSVOA_D

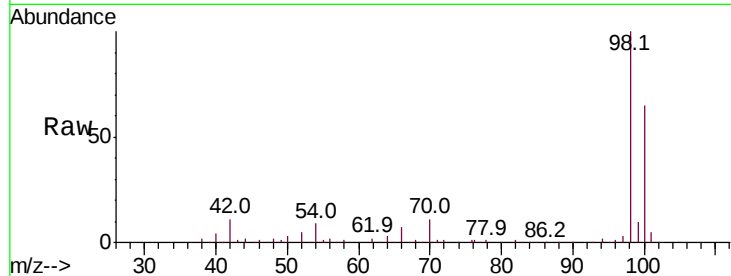
ClientSampleId :

Tot Ion: 98 Resp: 361724

Ion Ratio Lower Upper

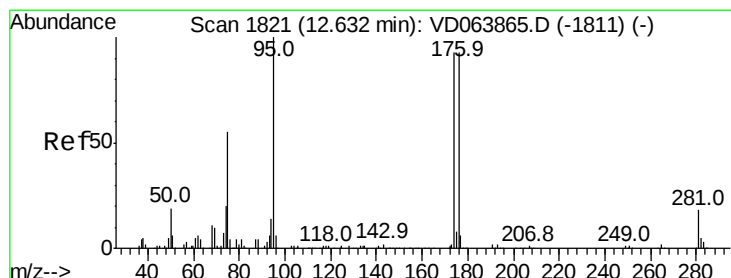
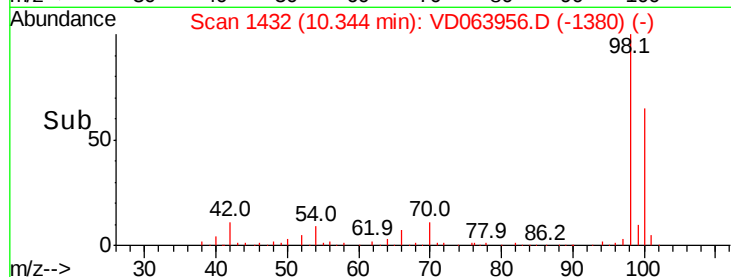
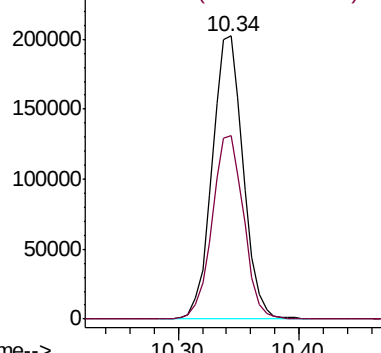
98 100

100 66.0 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: 46.463 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

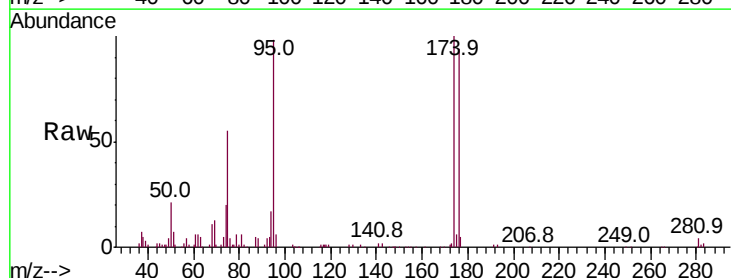
Tgt Ion: 95 Resp: 112705

Ion Ratio Lower Upper

95 100

174 93.3 0.0 186.4

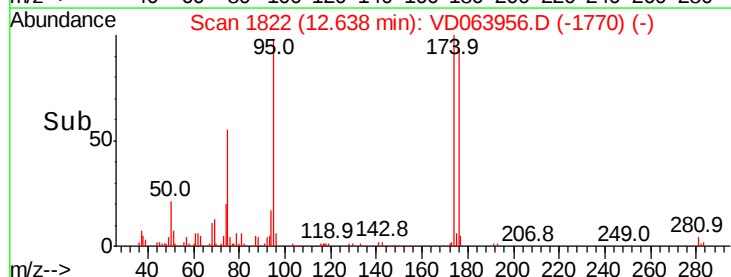
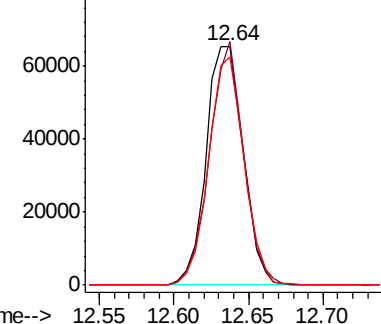
176 91.3 0.0 184.2

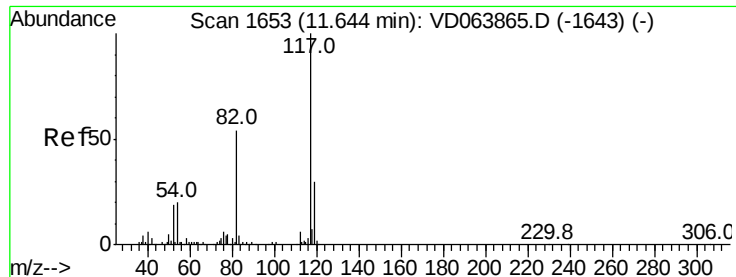


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

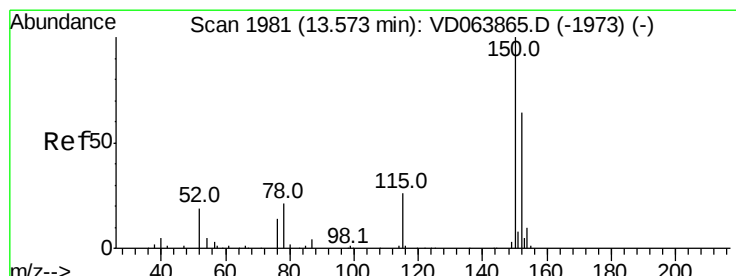
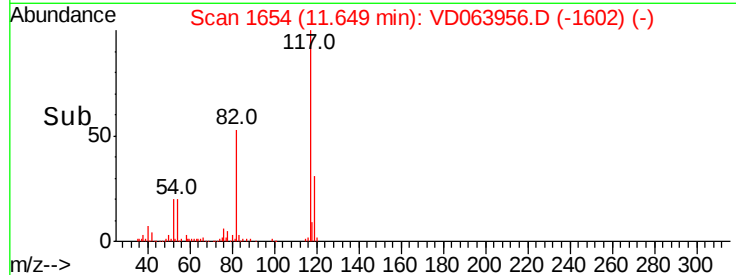
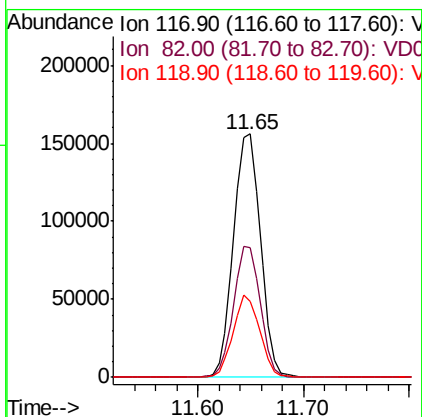
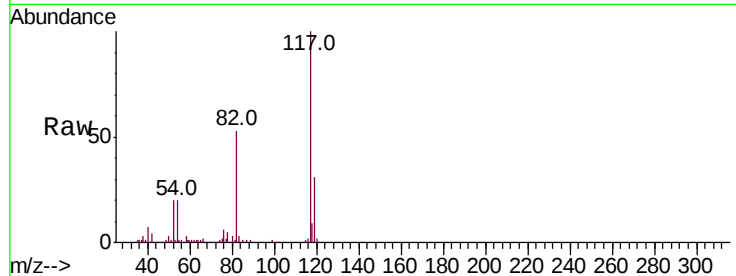




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063956.D
Acq: 14 Oct 2019 15:26

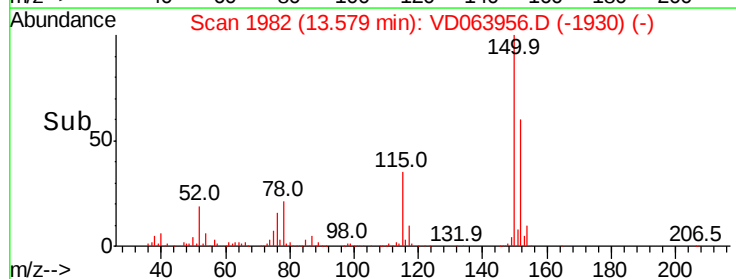
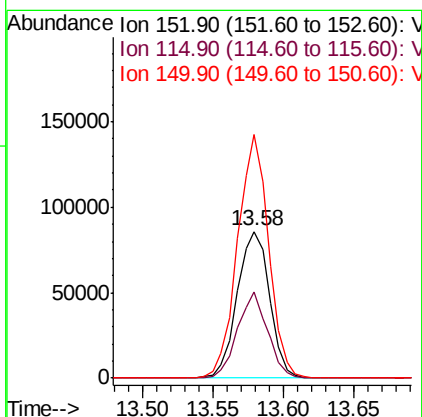
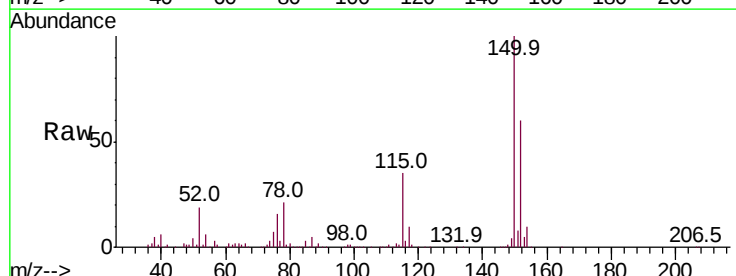
Instrument :
MSVOA_D
ClientSampleId :

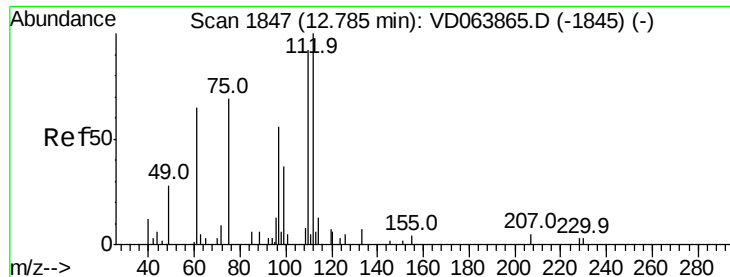
Tot Ion:117 Resp: 276961
Ion Ratio Lower Upper
117 100
82 53.4 42.8 64.2
119 31.0 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063956.D
Acq: 14 Oct 2019 15:26

Tgt Ion:152 Resp: 137280
Ion Ratio Lower Upper
152 100
115 54.4 25.9 77.7
150 159.1 0.0 344.2





#76

1,2,3-Trichloropropane

Concen: 66.973 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

Instrument :

MSVOA_D

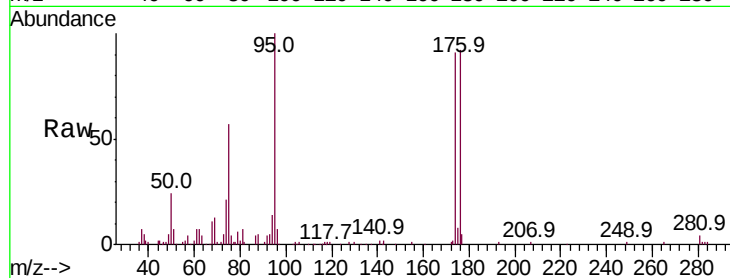
ClientSampleId :

Tot Ion: 75 Resp: 61579

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

40000

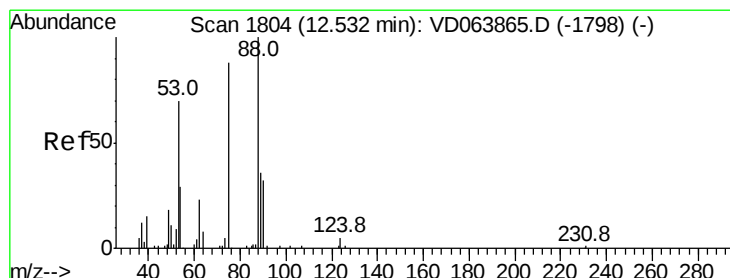
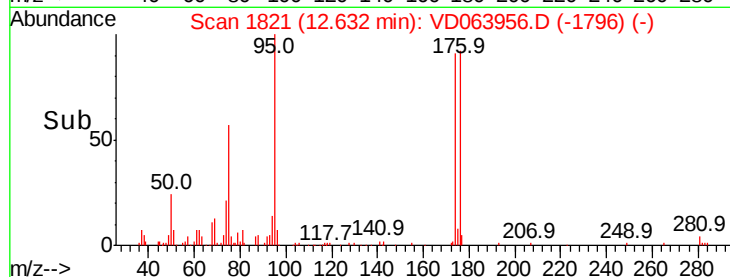
30000

20000

10000

0

Time--> 12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 118.515 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

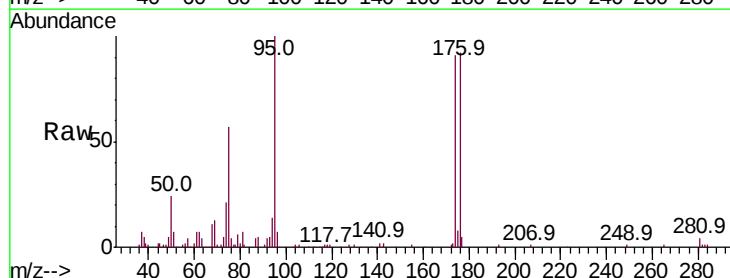
Tgt Ion: 75 Resp: 61579

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.63

50000

40000

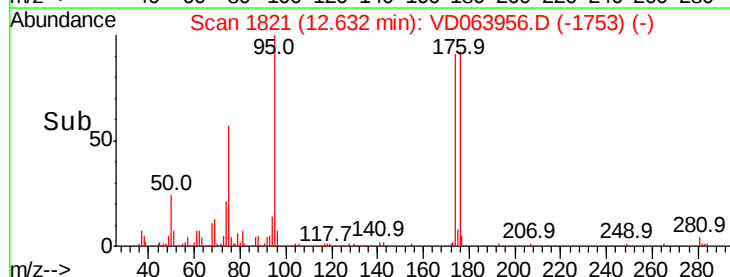
30000

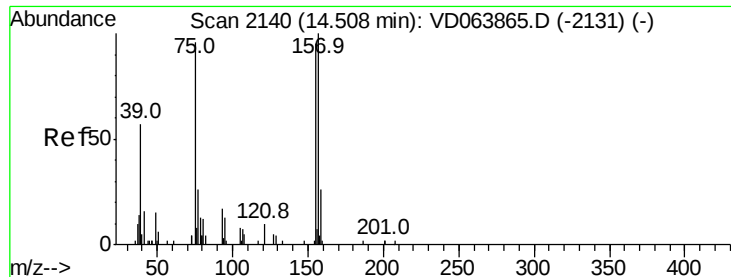
20000

10000

0

Time--> 12.60 12.70





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD063956.D

Acq: 14 Oct 2019 15:26

Instrument :

MSVOA_D

ClientSampleId :

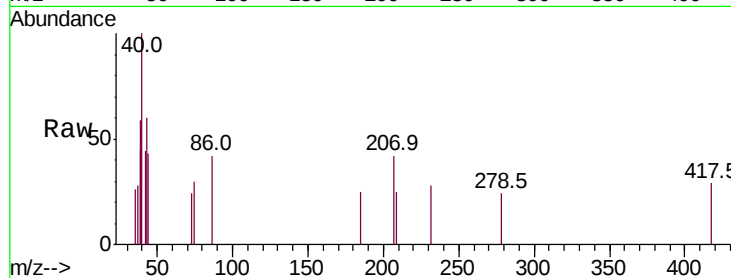
Tot Ion: 75 Resp: 69

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

