

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063981.D
 Acq On : 16 Oct 2019 12:11
 Operator : VA/SY
 Sample : VD1016SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 16 13:36:16 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	197194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	370926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	359081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173828	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	111533	58.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.20%	
35) Dibromofluoromethane	7.91	113	112128	49.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.92%	
50) Toluene-d8	10.34	98	478214	51.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.63	95	146077	45.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.38%	

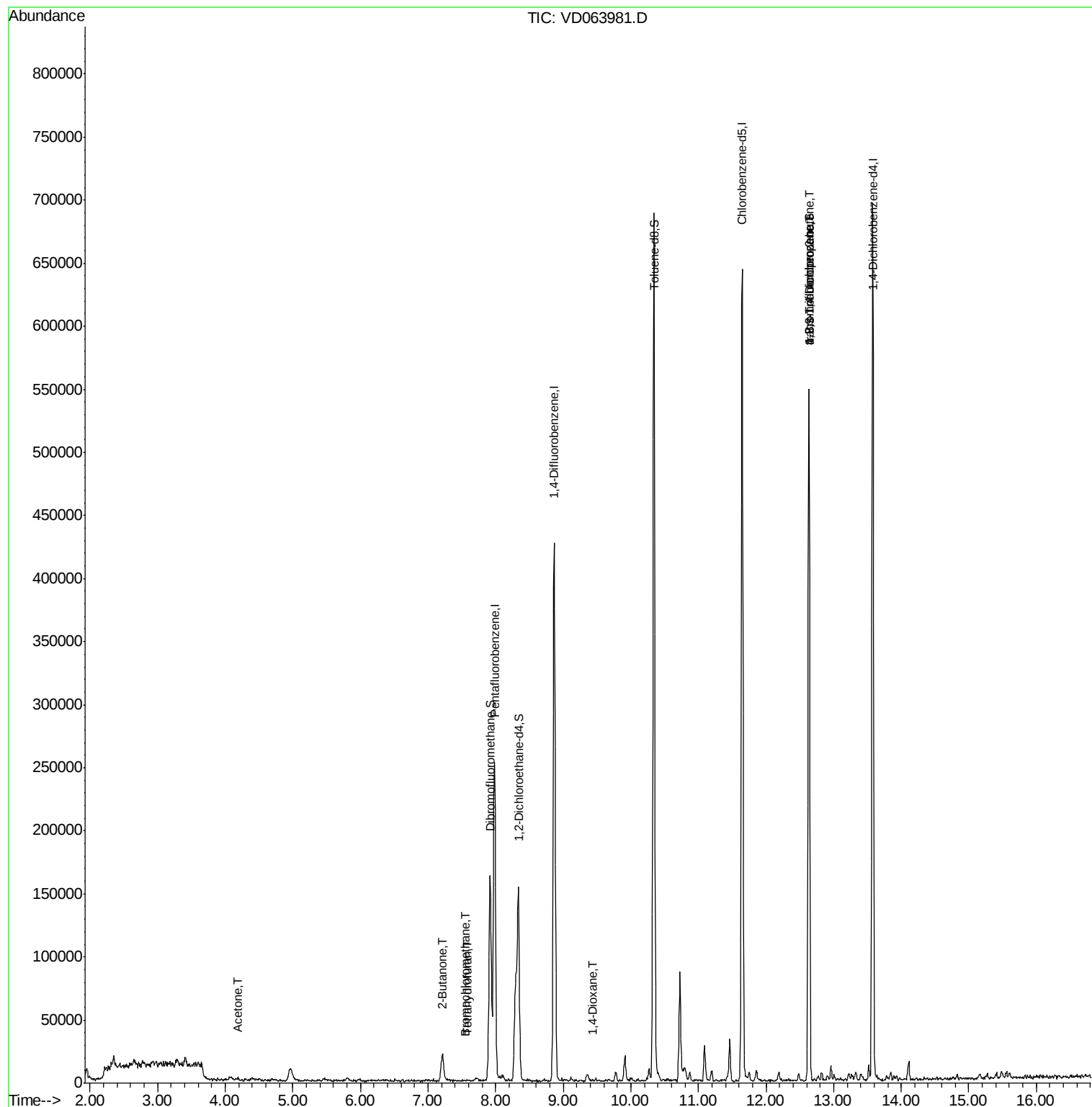
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1720	Below Cal		94
11) Tert butyl alcohol	5.26	59	142	Below Cal	#	71
16) Acetone	4.19	43	939	1.879	ug/l #	42
25) 2-Butanone	7.22	43	824	1.391	ug/l #	51
28) Bromochloromethane	7.54	49	136	1.964	ug/l #	62
29) Tetrahydrofuran	7.58	42	365	1.056	ug/l #	47
31) Cyclohexane	7.98	56	6290	Below Cal	#	57
37) Ethyl Acetate	7.30	43	893	Below Cal	#	68
49) 1,4-Dioxane	9.43	88	126	6.813	ug/l #	30
76) 1,2,3-Trichloropropane	12.63	75	81287	69.819	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	81287	123.552	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.48	75	86	Below Cal	#	1

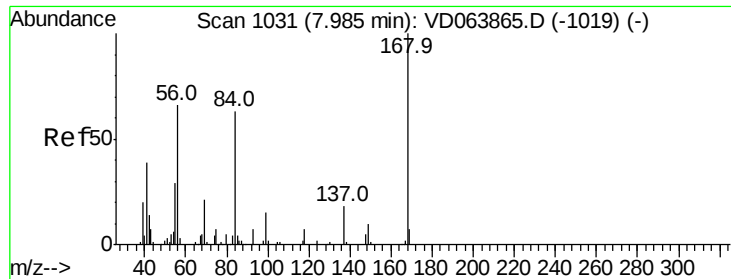
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101619\
Data File : VD063981.D
Acq On : 16 Oct 2019 12:11
Operator : VA/SY
Sample : VD1016SBL01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 16 13:36:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
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: VD063981.D

Acq: 16 Oct 2019 12:11

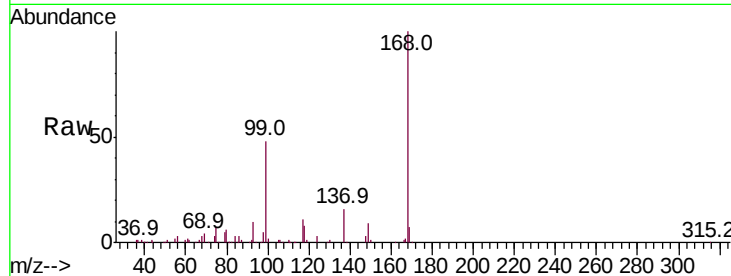
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 197194

Ion Ratio Lower Upper

168 100

99 47.9 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

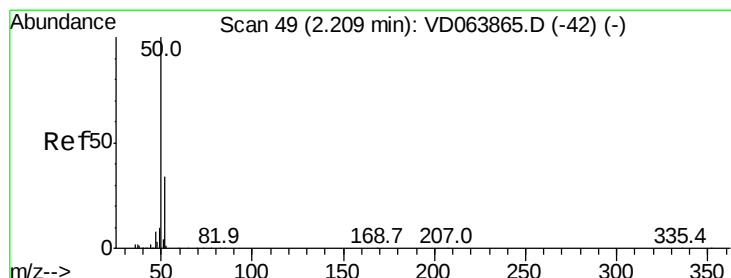
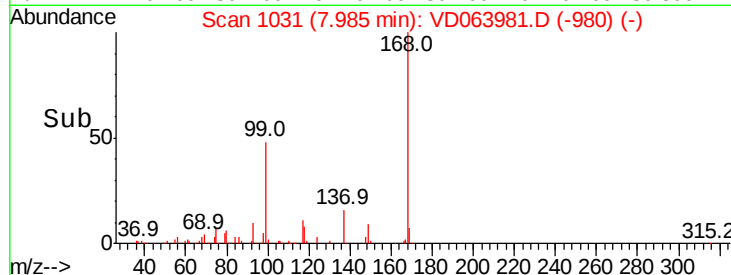
40000

20000

0

7.90 8.00 8.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063981.D

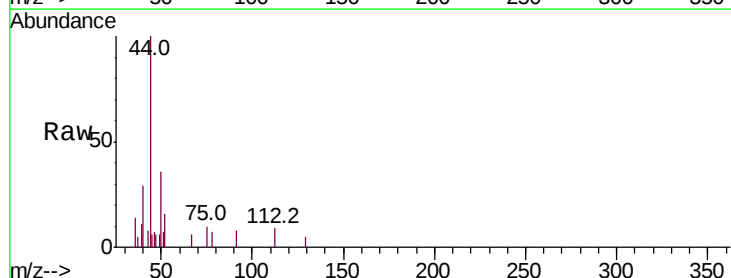
Acq: 16 Oct 2019 12:11

Tgt Ion: 50 Resp: 1720

Ion Ratio Lower Upper

50 100

52 30.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

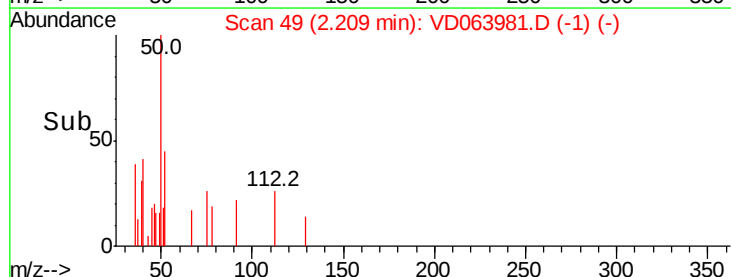
1000

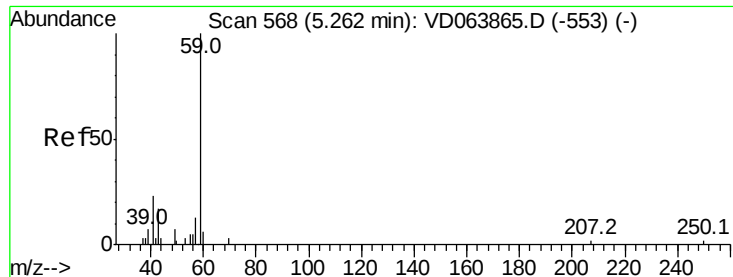
500

0

2.15 2.20 2.25

Time-->



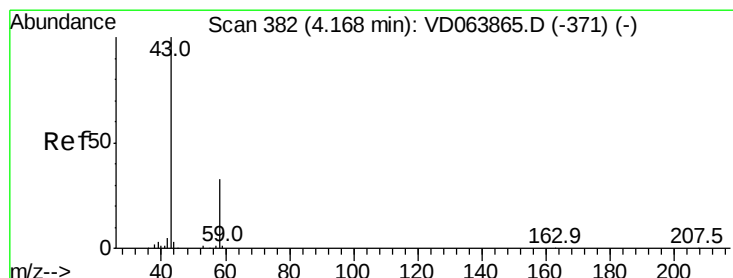
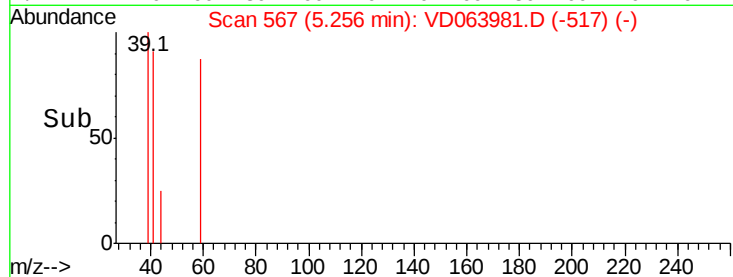
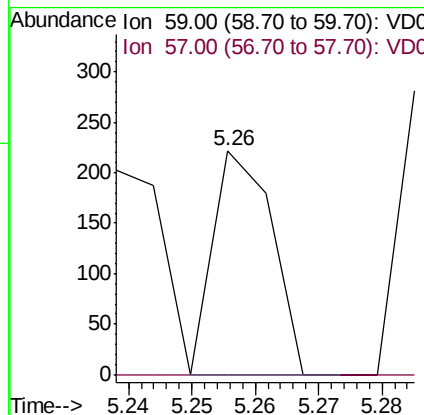
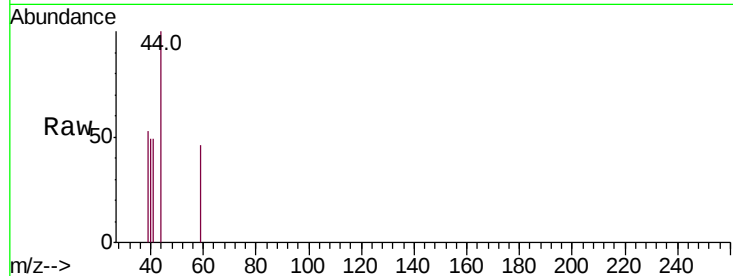


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063981.D
 Acq: 16 Oct 2019 12:11

Instrument :
 MSVOA_D
 ClientSampled :

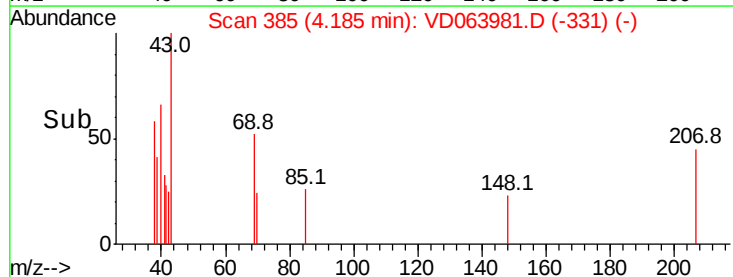
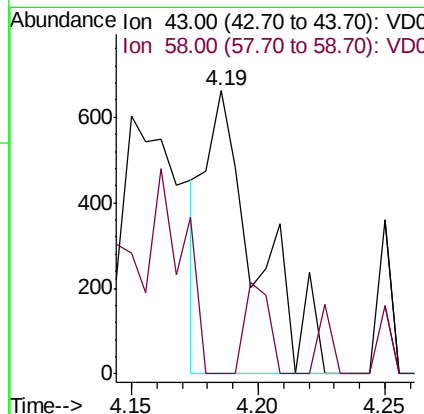
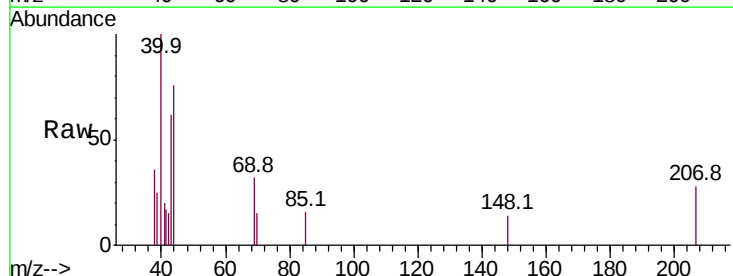
Tot Ion: 59 Resp: 142
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

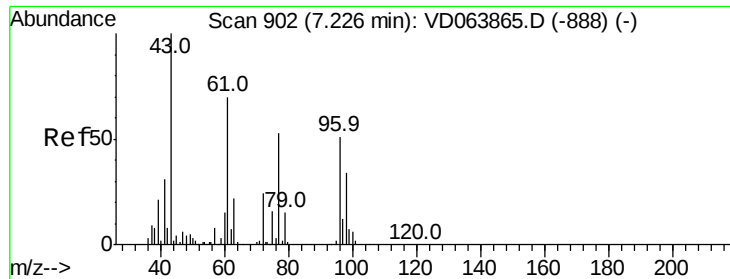


#16

Acetone
 Concen: 1.879 ug/l
 RT: 4.19 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VD063981.D
 Acq: 16 Oct 2019 12:11

Tgt Ion: 43 Resp: 939
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#

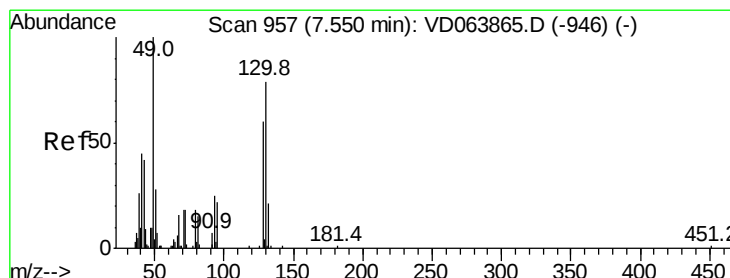
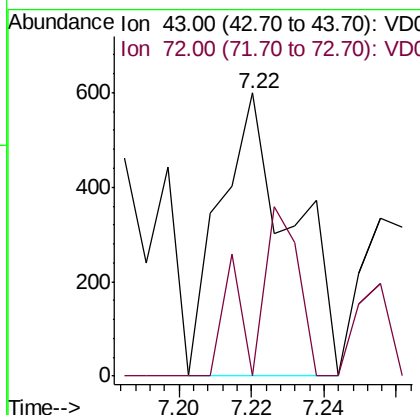
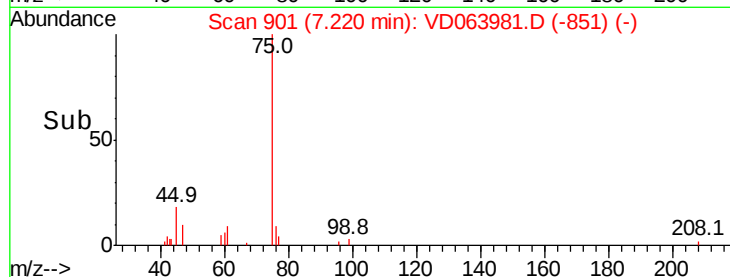
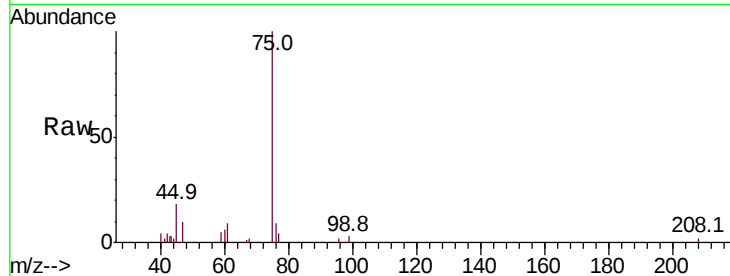




#25
2-Butanone
Concen: 1.391 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD063981.D
Acq: 16 Oct 2019 12:11

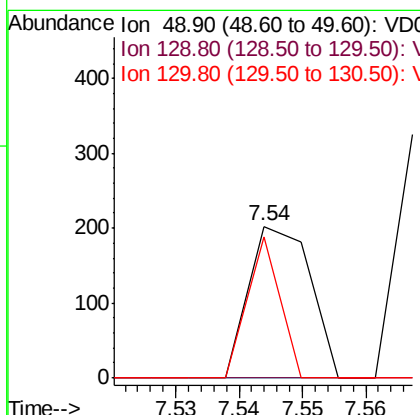
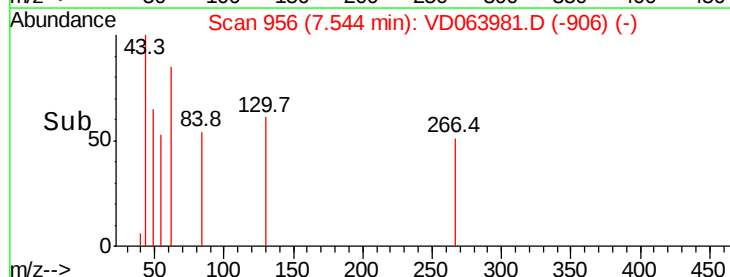
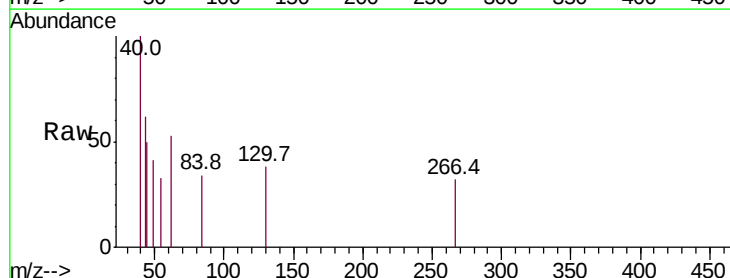
Instrument :
MSVOA_D
ClientSampleId :

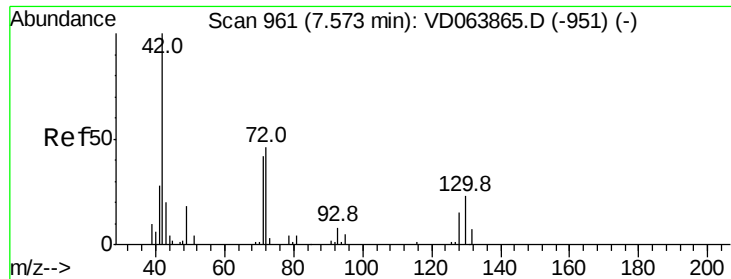
Tot Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#28
Bromochloromethane
Concen: 1.964 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD063981.D
Acq: 16 Oct 2019 12:11

Tgt Ion: 49 Resp: 136
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 48.5 66.8 100.2#

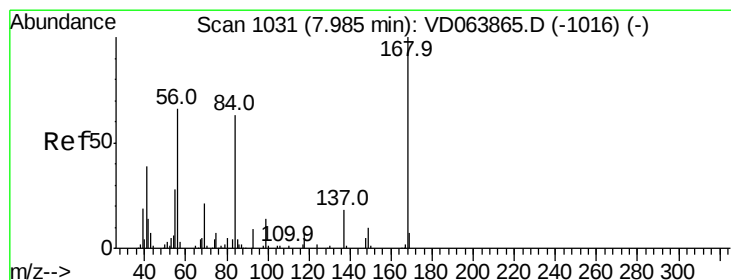
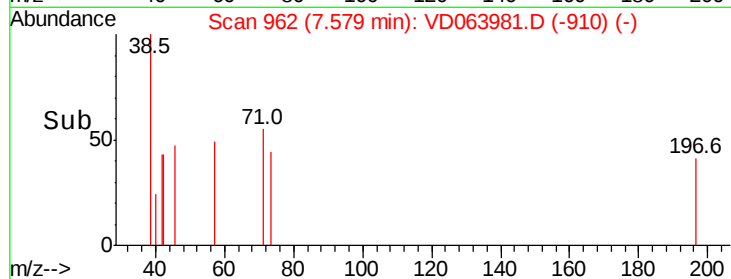
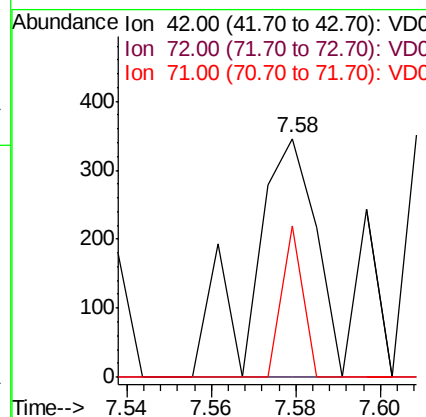
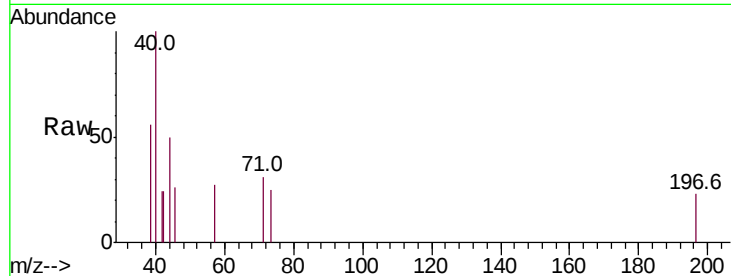




#29
Tetrahydrofuran
Concen: 1.056 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063981.D
Acq: 16 Oct 2019 12:11

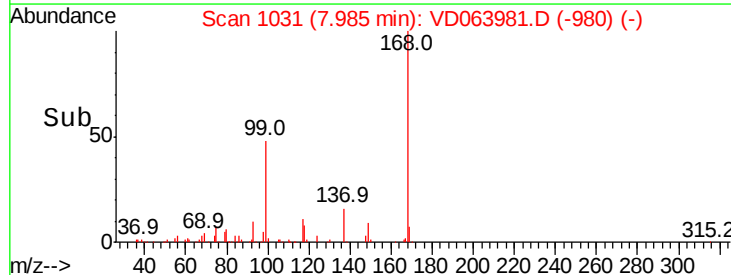
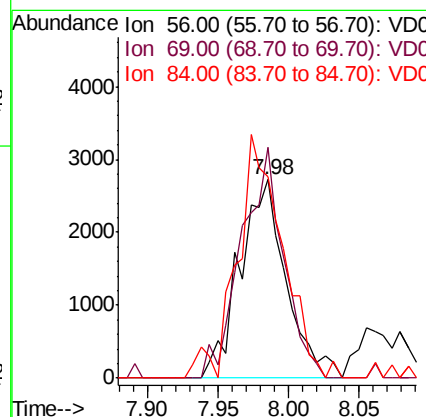
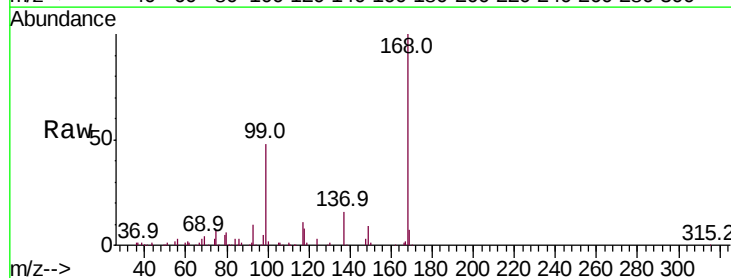
Instrument :
MSVOA_D
ClientSampleId :

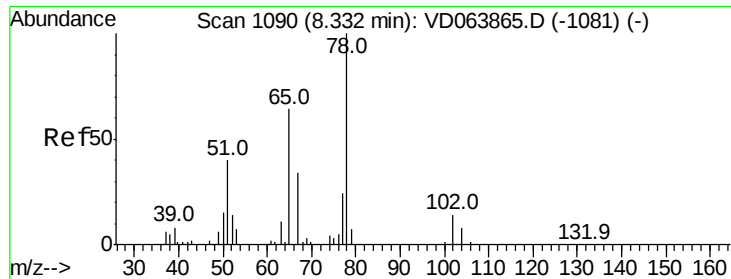
Tot Ion: 42 Resp: 365
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 21.4 35.0 52.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063981.D
Acq: 16 Oct 2019 12:11

Tgt Ion: 56 Resp: 6290
Ion Ratio Lower Upper
56 100
69 116.4 25.0 37.4#
84 101.8 76.3 114.5





#33

1,2-Dichloroethane-d4

Concen: 58.095 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063981.D

Acq: 16 Oct 2019 12:11

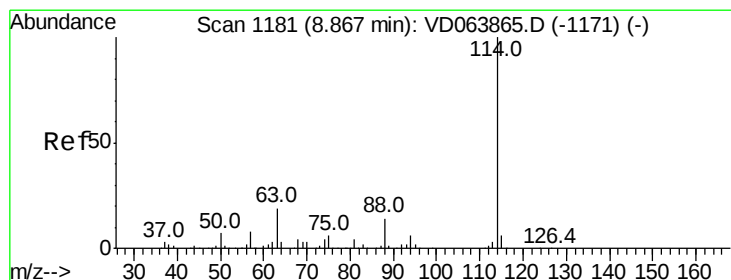
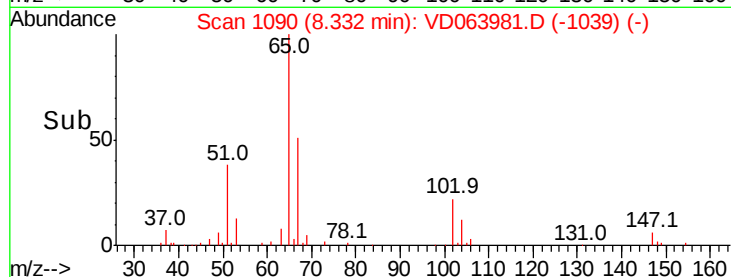
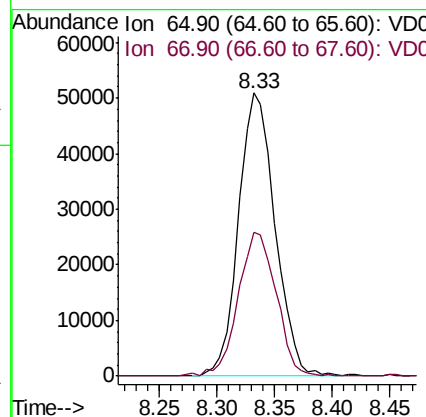
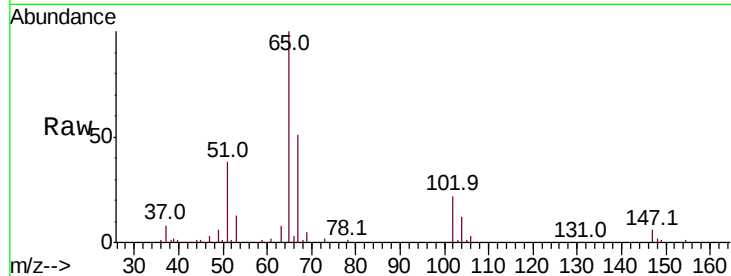
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 111533

Ion Ratio Lower Upper

65 100

67 53.3 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: VD063981.D

Acq: 16 Oct 2019 12:11

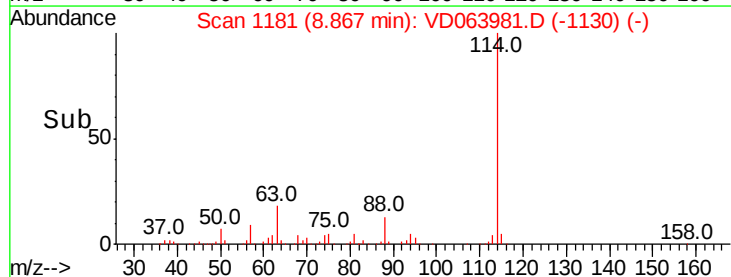
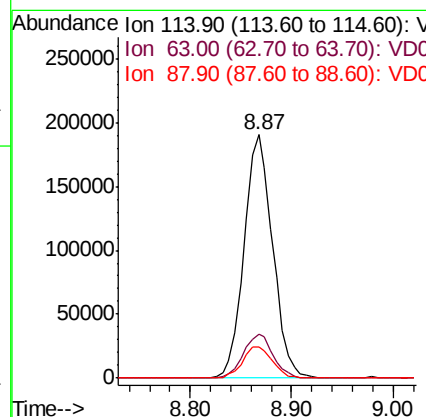
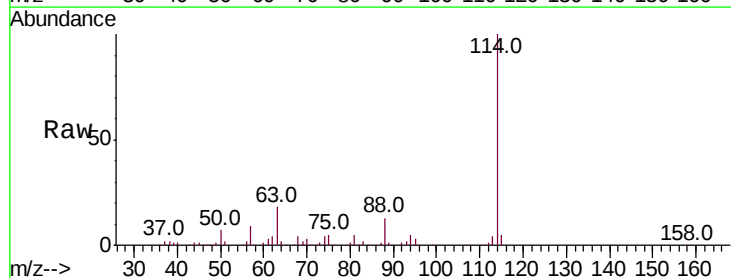
Tgt Ion: 114 Resp: 370926

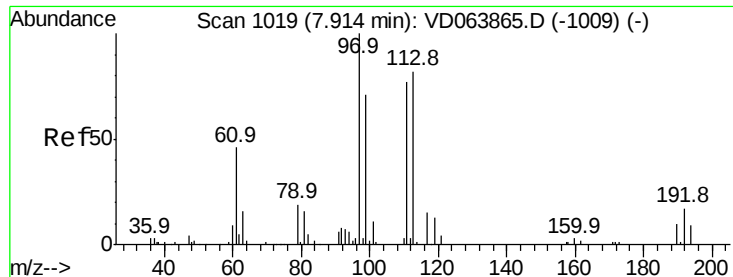
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 12.6 0.0 27.4

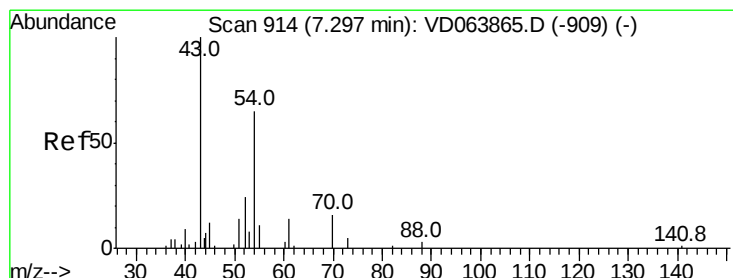
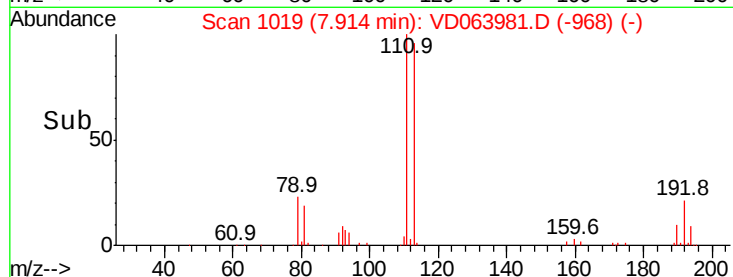
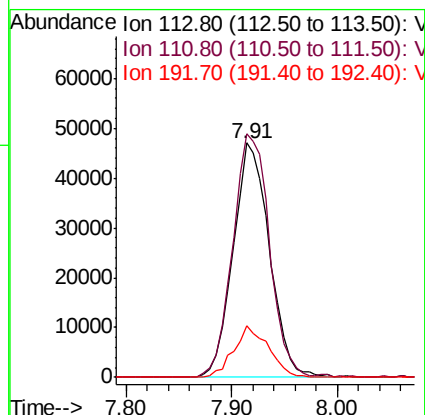
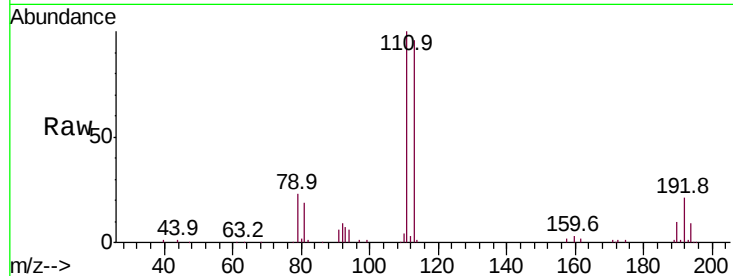




#35
 Dibromofluoromethane
 Concen: 49.464 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063981.D
 Acq: 16 Oct 2019 12:11

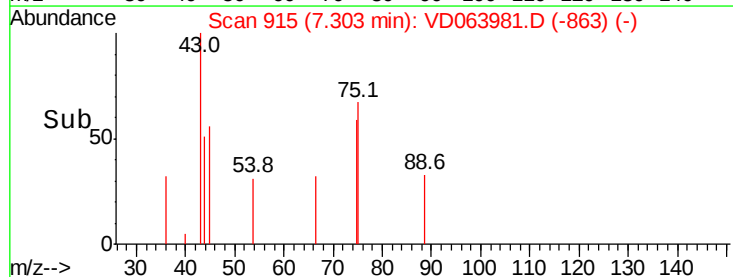
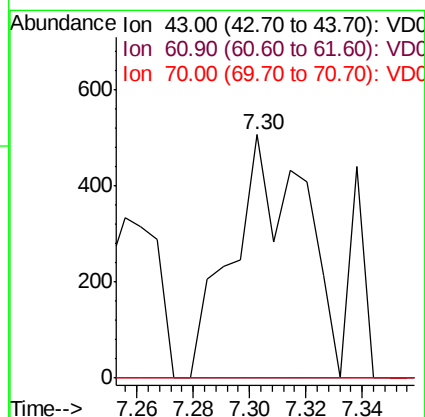
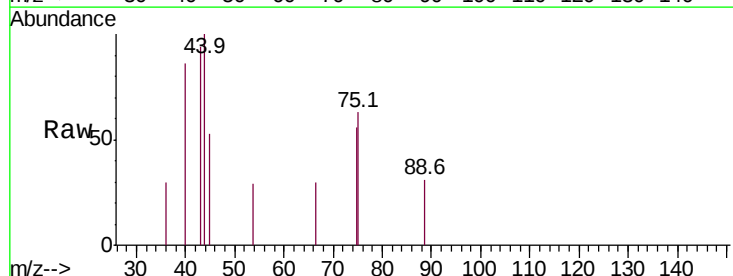
Instrument :
 MSVOA_D
 ClientSampleId :

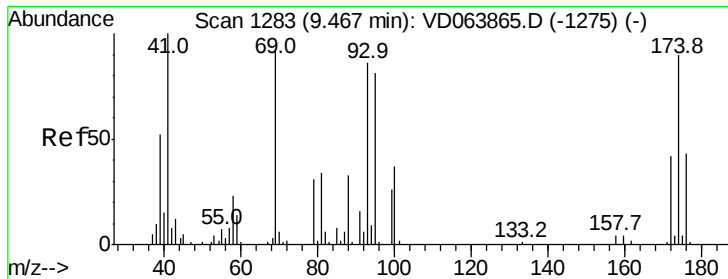
Tot Ion:113 Resp: 112128
 Ion Ratio Lower Upper
 113 100
 111 104.8 82.6 123.8
 192 21.1 17.1 25.7



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD063981.D
 Acq: 16 Oct 2019 12:11

Tgt Ion: 43 Resp: 893
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#





#49

1,4-Dioxane

Concen: 6.813 ug/l

RT: 9.43 min Scan# 1277

Delta R.T. -0.04 min

Lab File: VD063981.D

Acq: 16 Oct 2019 12:11

Instrument :
MSVOA_D
ClientSampled :

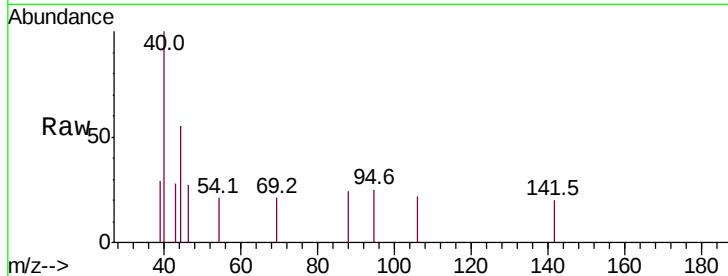
Tot Ion: 88 Resp: 126

Ion Ratio Lower Upper

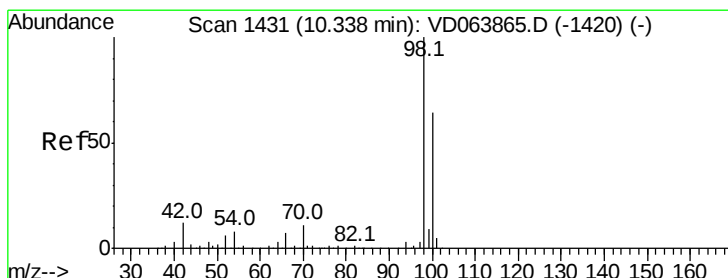
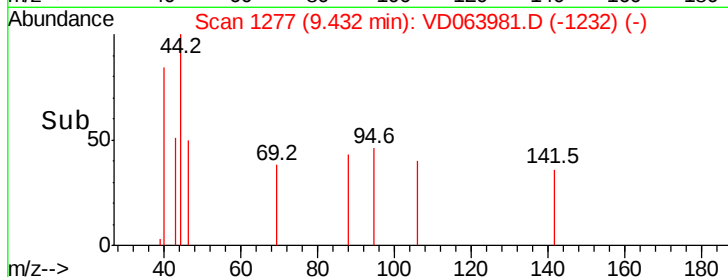
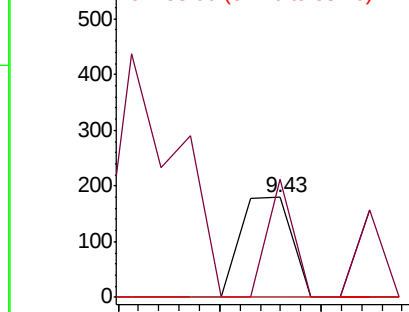
88 100

43 59.5 27.6 41.4#

58 0.0 54.1 81.1#



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.975 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063981.D

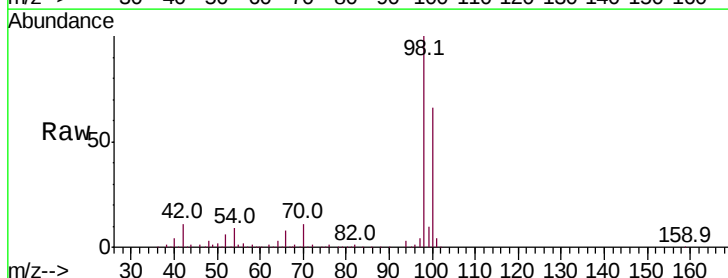
Acq: 16 Oct 2019 12:11

Tgt Ion: 98 Resp: 478214

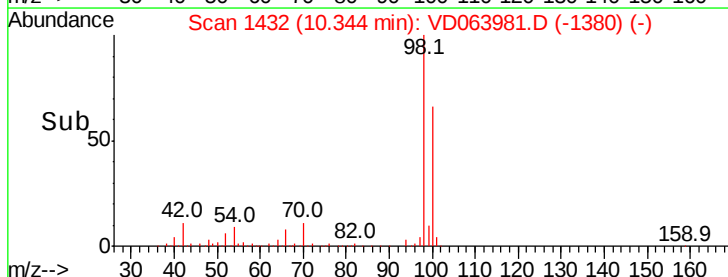
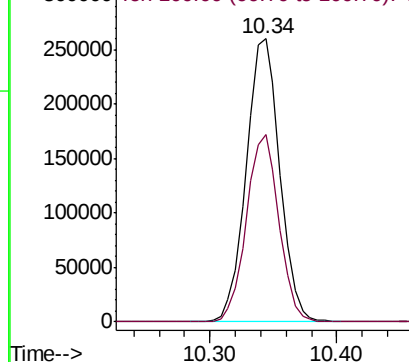
Ion Ratio Lower Upper

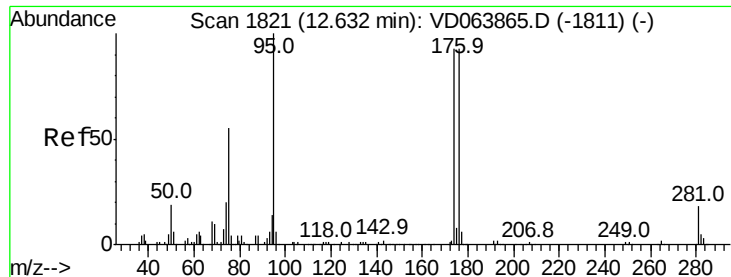
98 100

100 64.5 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: 45.688 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063981.D

Acq: 16 Oct 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

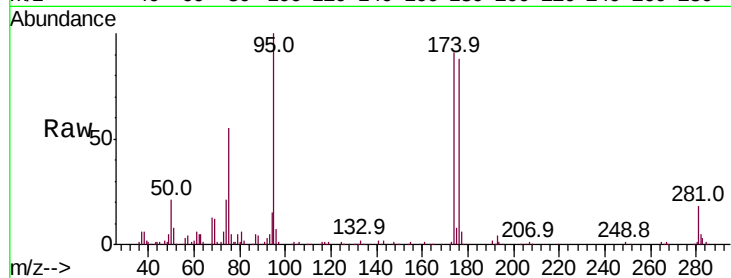
Tot Ion: 95 Resp: 146077

Ion Ratio Lower Upper

95 100

174 95.3 0.0 186.4

176 93.3 0.0 184.2

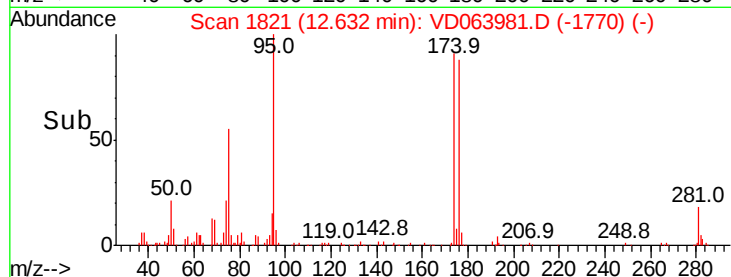


Abundance Ion 94.90 (94.60 to 95.60): V

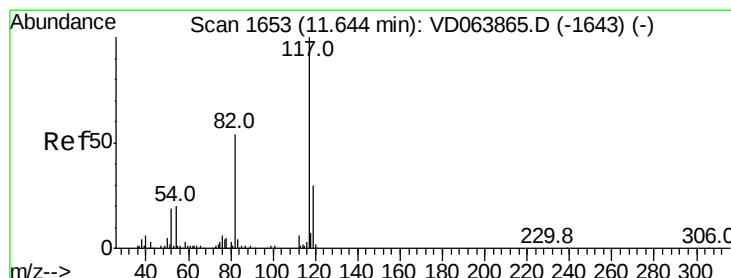
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD063981.D

Acq: 16 Oct 2019 12:11

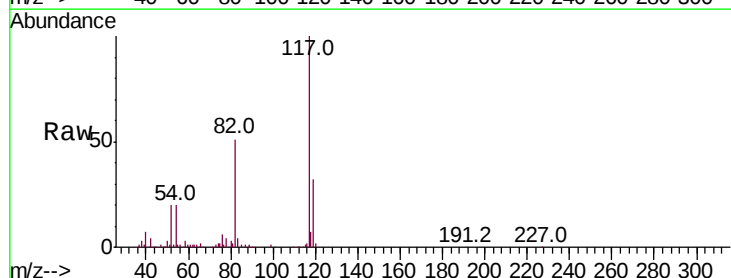
Tgt Ion: 117 Resp: 359081

Ion Ratio Lower Upper

117 100

82 51.1 42.8 64.2

119 32.0 24.4 36.6

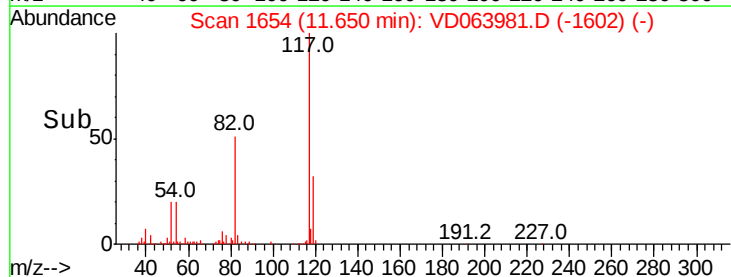


Abundance Ion 116.90 (116.60 to 117.60): V

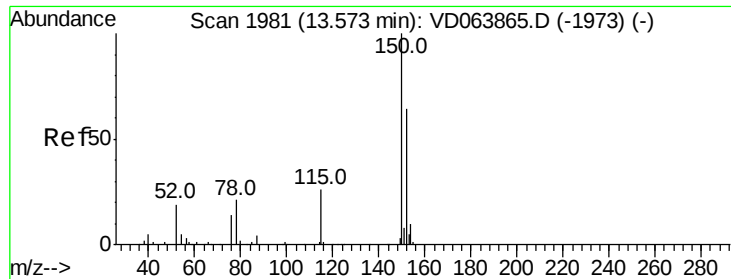
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

11.65



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063981.D

Acq: 16 Oct 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

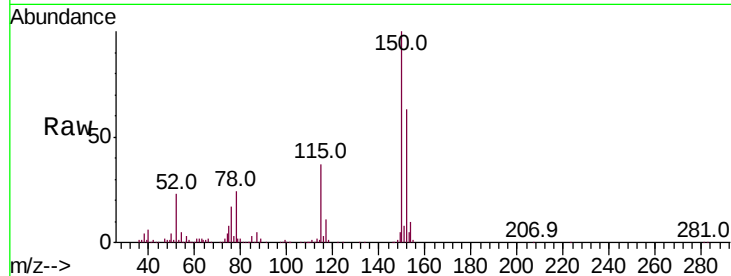
Tot Ion:152 Resp: 173828

Ion Ratio Lower Upper

152 100

115 57.5 25.9 77.7

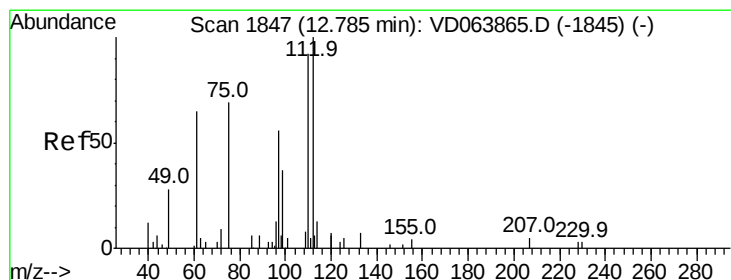
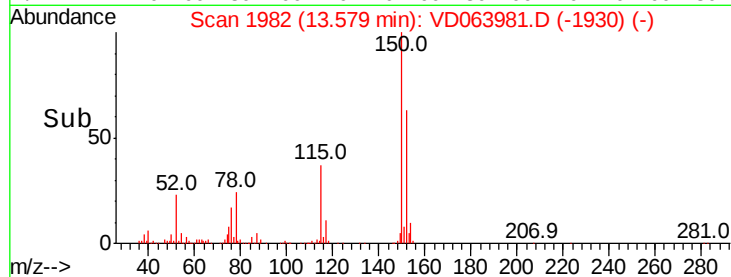
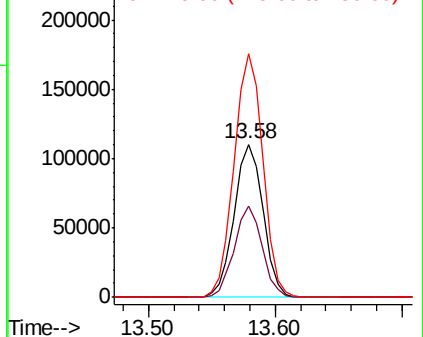
150 158.4 0.0 344.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 69.819 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063981.D

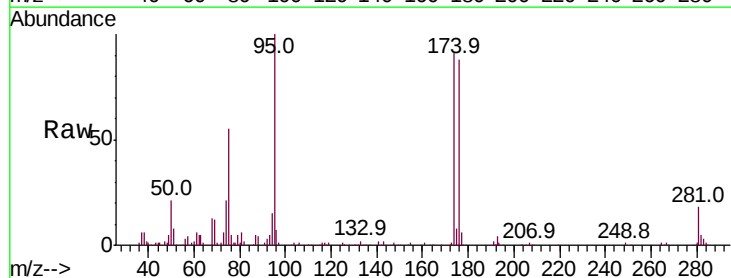
Acq: 16 Oct 2019 12:11

Tgt Ion: 75 Resp: 81287

Ion Ratio Lower Upper

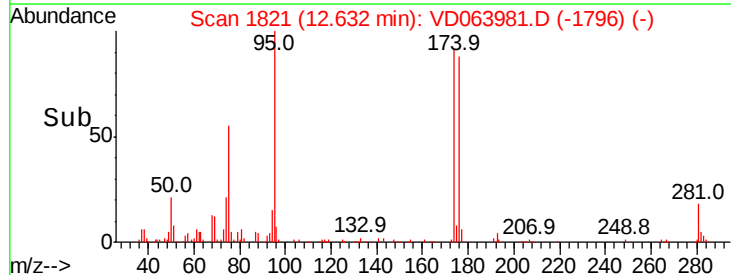
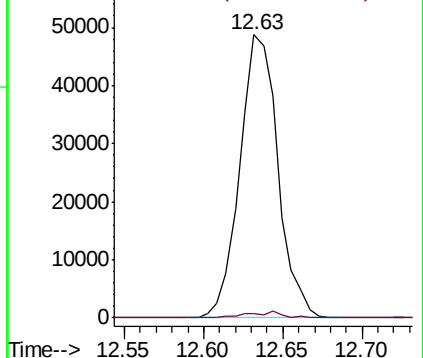
75 100

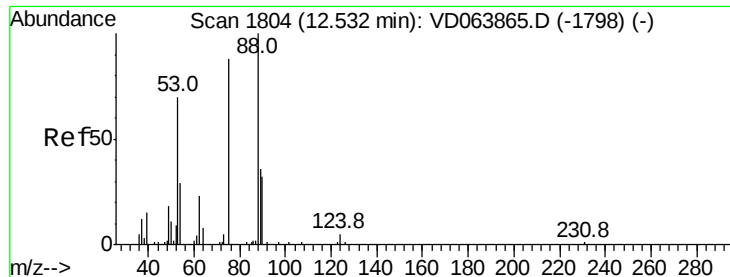
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 123.552 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063981.D

Acq: 16 Oct 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

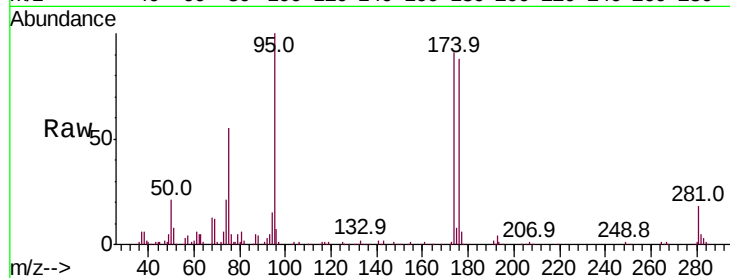
Tot Ion: 75 Resp: 81287

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

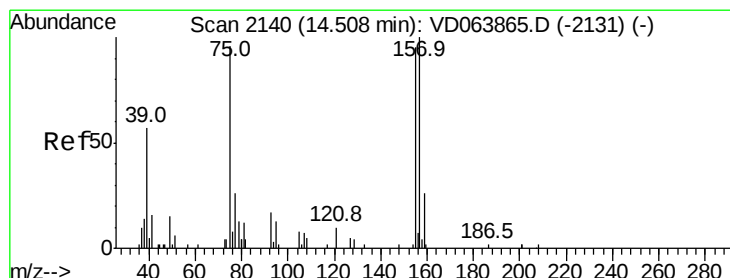
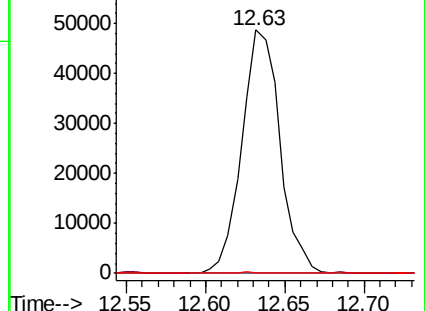
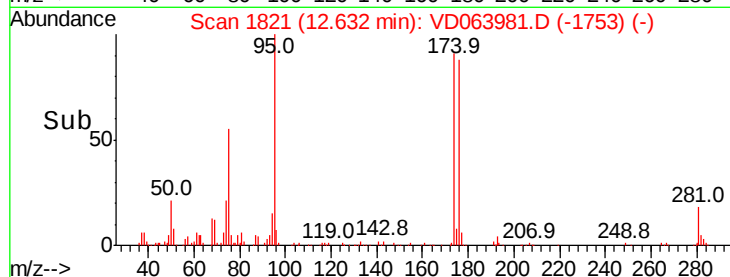
89 0.1 38.2 57.4#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.48 min Scan# 2136

Delta R.T. -0.02 min

Lab File: VD063981.D

Acq: 16 Oct 2019 12:11

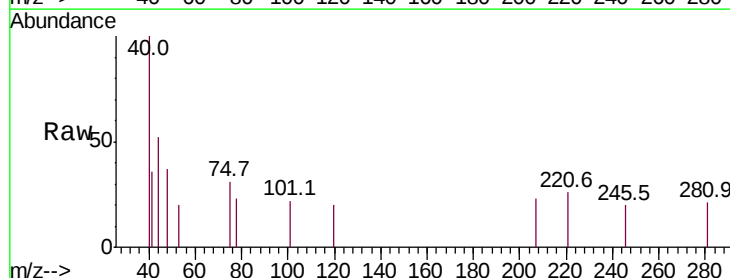
Tgt Ion: 75 Resp: 86

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

