

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063985.D
 Acq On : 16 Oct 2019 14:10
 Operator : VA/SY
 Sample : K5148-05
 Misc : 7.87G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 16 14:55:41 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

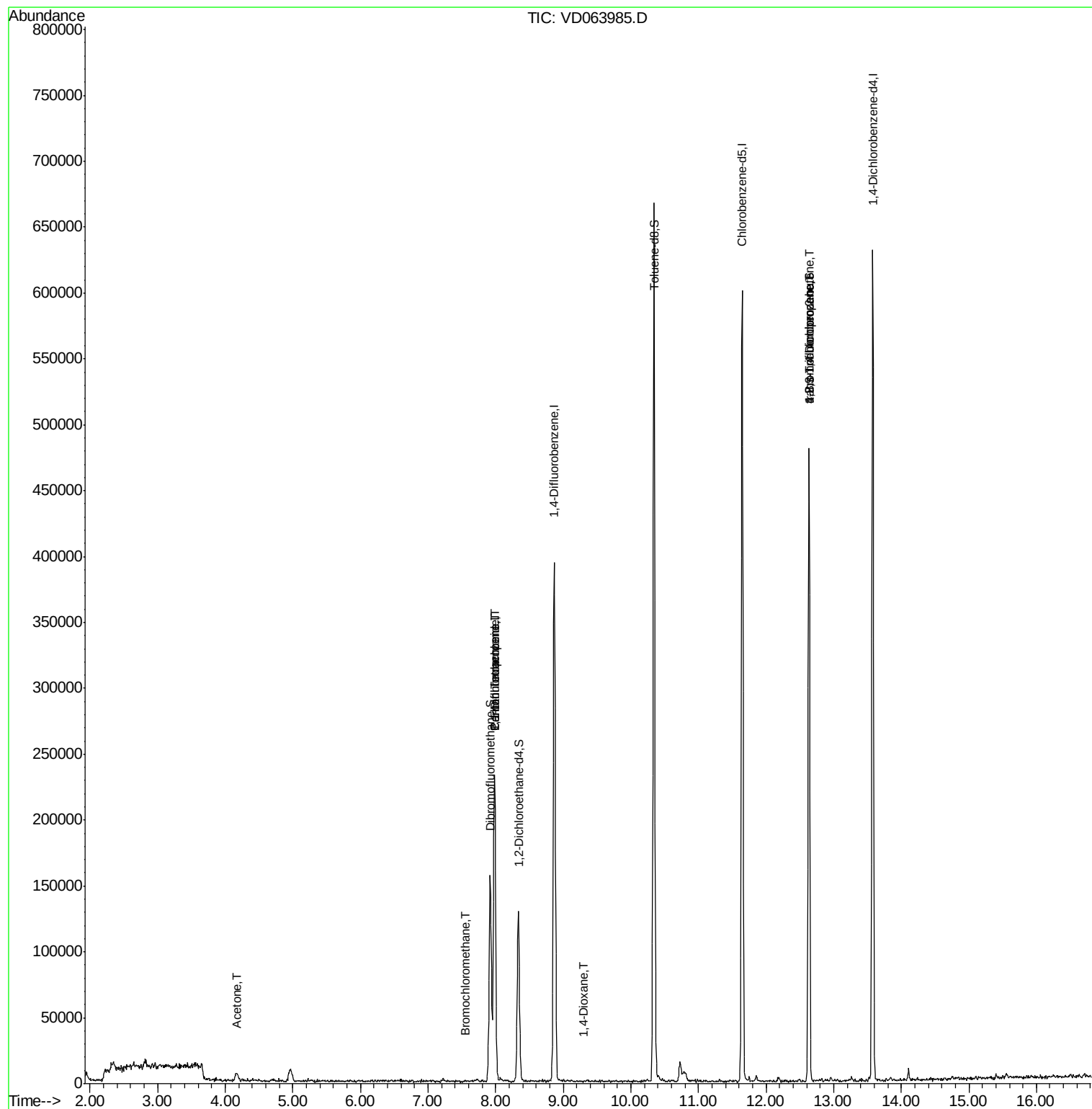
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	182291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	341689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	336689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	100342	56.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.08%	
35) Dibromofluoromethane	7.92	113	105796	50.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.32%	
50) Toluene-d8	10.34	98	445229	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.64	95	135072	45.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.72%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.21	50	968	Below Cal		89
11) Tert butyl alcohol	5.25	59	268	Below Cal	#	52
16) Acetone	4.17	43	10979	23.761	ug/l	91
28) Bromochloromethane	7.55	49	59	1.911	ug/l #	10
31) Cyclohexane	7.99	56	4657	Below Cal	#	42
36) 1,1-Dichloropropene	7.98	75	14553	4.658	ug/l #	44
37) Ethyl Acetate	7.28	43	146	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	17924	5.677	ug/l #	18
49) 1,4-Dioxane	9.31	88	63	3.698	ug/l #	24
76) 1,2,3-Trichloropropane	12.63	75	73078	67.359	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	73078	119.198	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.66	75	100	Below Cal	#	34

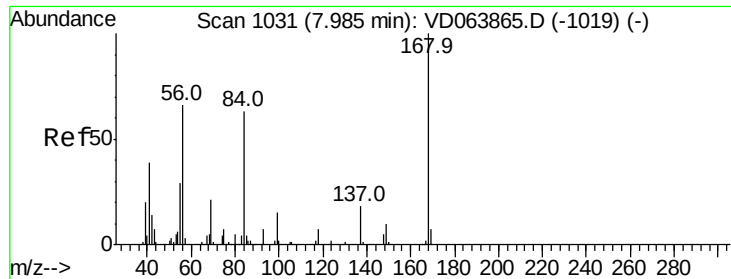
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063985.D

Acq: 16 Oct 2019 14:10

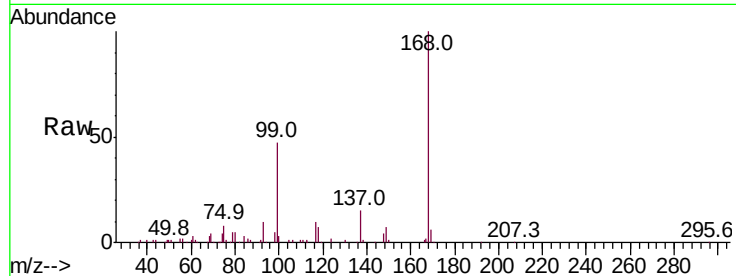
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 182291

Ion Ratio Lower Upper

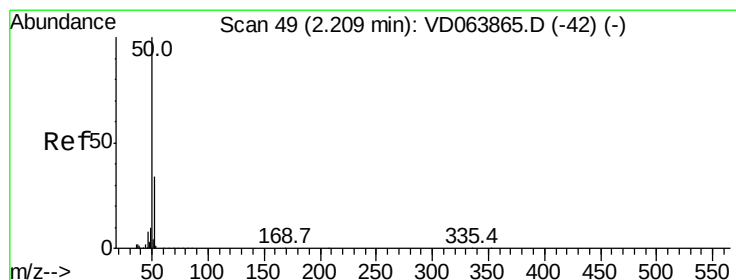
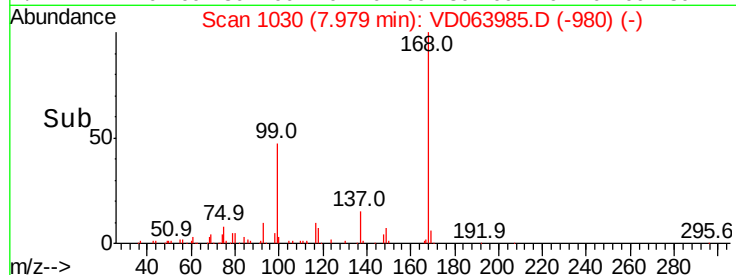
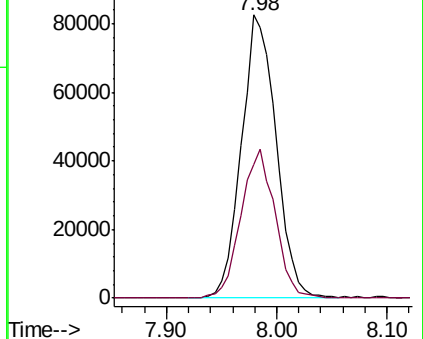
168 100

99 47.2 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: VD063985.D

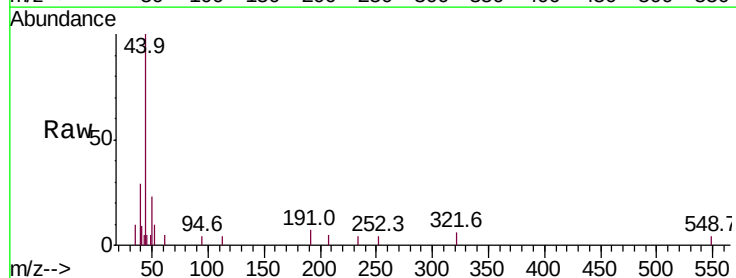
Acq: 16 Oct 2019 14:10

Tgt Ion: 50 Resp: 968

Ion Ratio Lower Upper

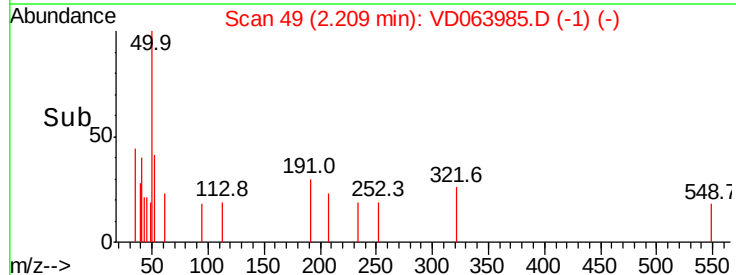
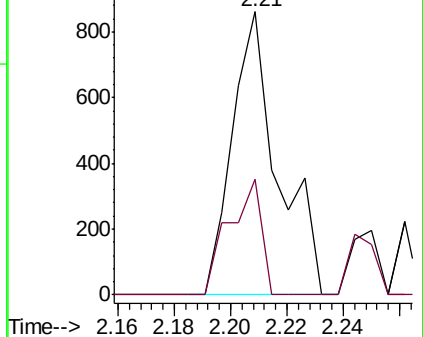
50 100

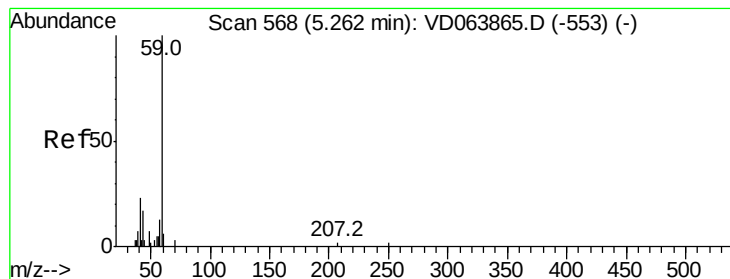
52 40.8 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



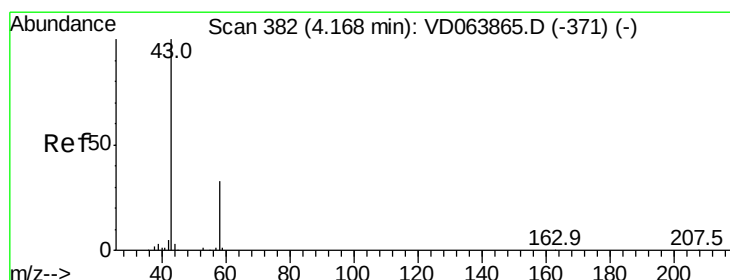
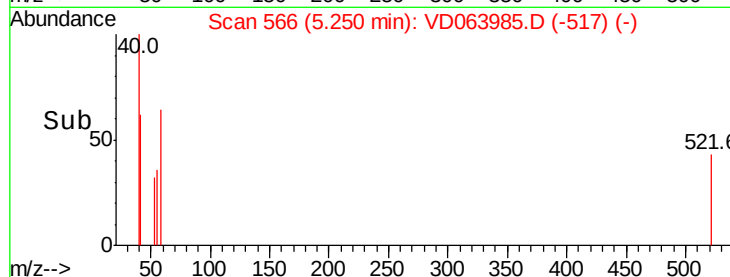
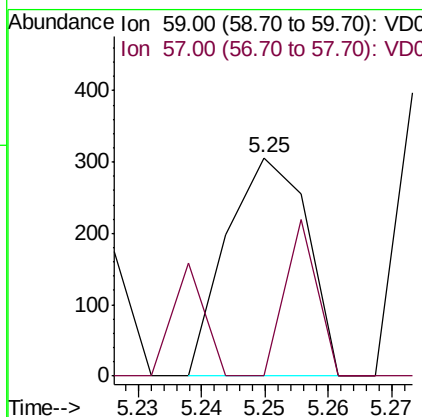
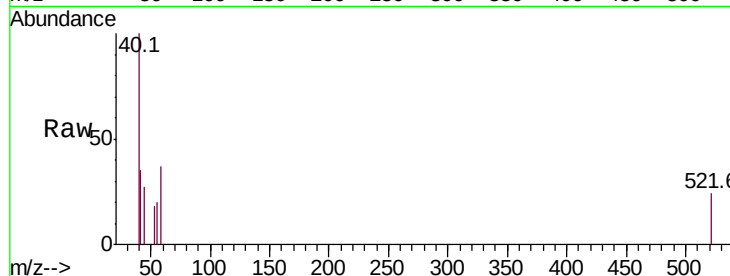


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063985.D
 Acq: 16 Oct 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :

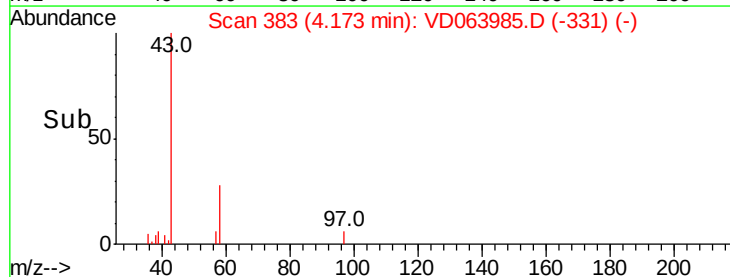
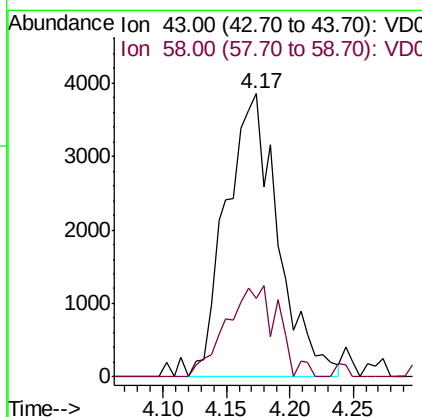
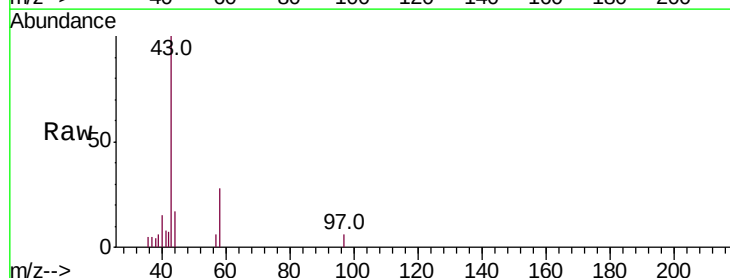
Tot Ion: 59 Resp: 268
 Ion Ratio Lower Upper
 59 100
 57 29.1 8.8 13.2#

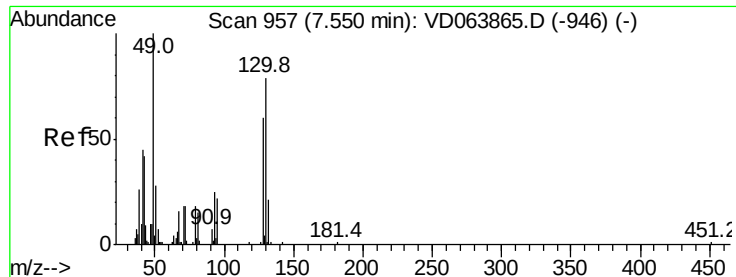


#16

Acetone
 Concen: 23.761 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD063985.D
 Acq: 16 Oct 2019 14:10

Tgt Ion: 43 Resp: 10979
 Ion Ratio Lower Upper
 43 100
 58 27.9 26.2 39.4





#28

Bromochloromethane

Concen: 1.911 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD063985.D

Acq: 16 Oct 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

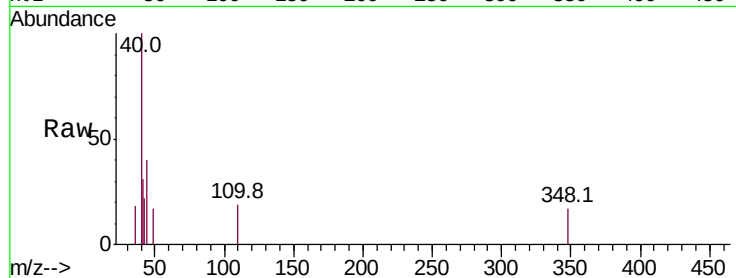
Tot Ion: 49 Resp: 59

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

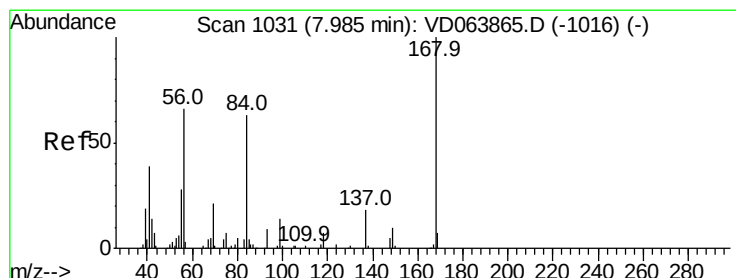
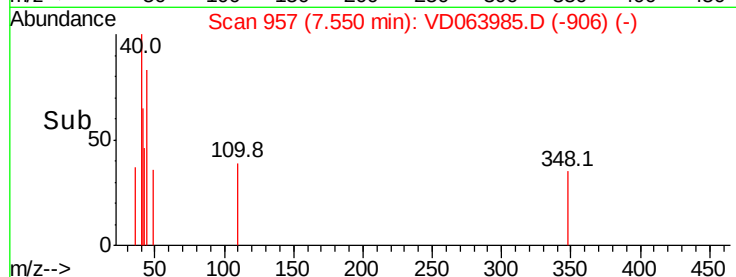
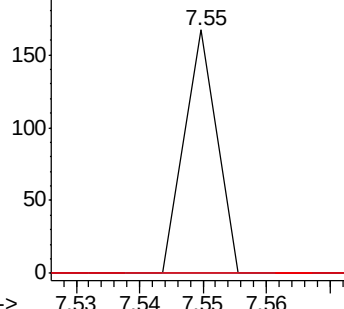
130 0.0 66.8 100.2#



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: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD063985.D

Acq: 16 Oct 2019 14:10

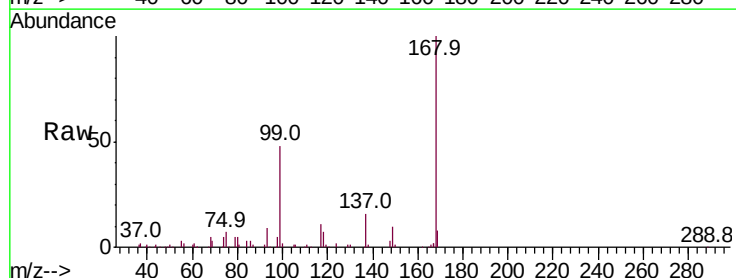
Tgt Ion: 56 Resp: 4657

Ion Ratio Lower Upper

56 100

69 123.2 25.0 37.4#

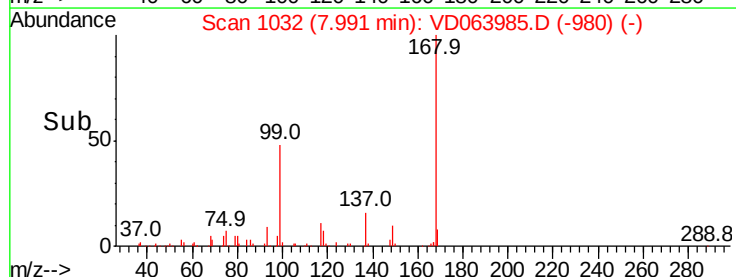
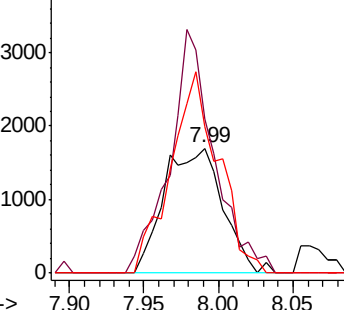
84 117.7 76.3 114.5#

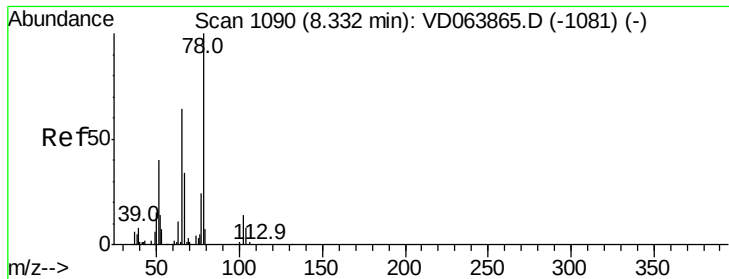


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

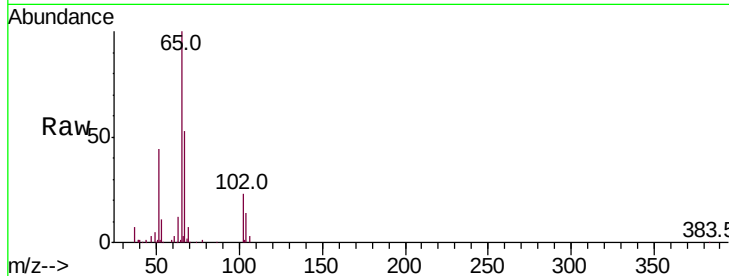




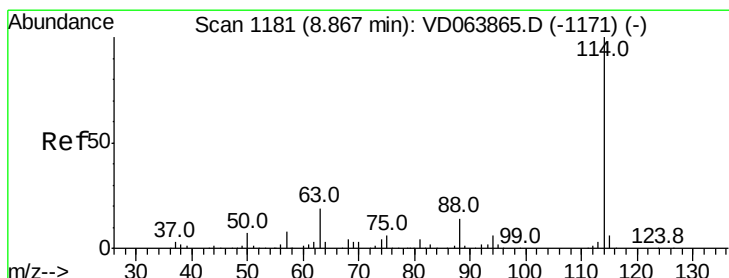
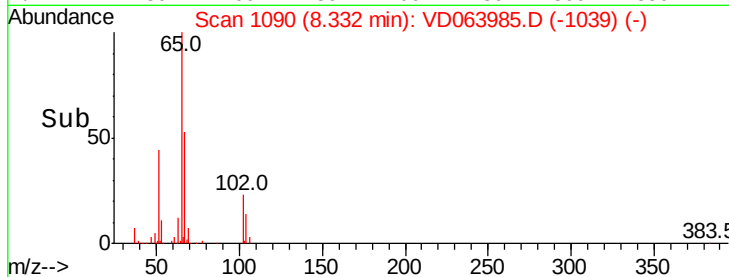
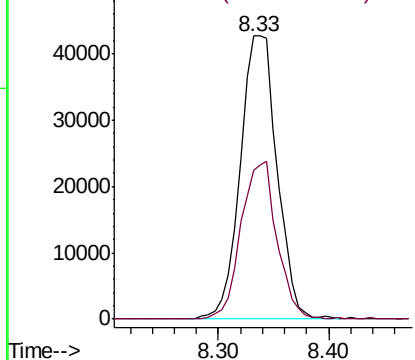
#33
 1,2-Dichloroethane-d4
 Concen: 56.539 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063985.D
 Acq: 16 Oct 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 100342
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.4

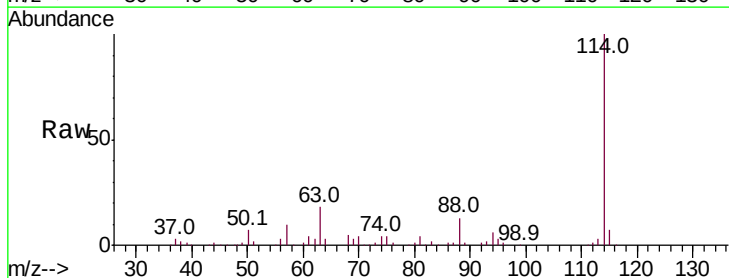


Abundance Ion 64.90 (64.60 to 65.60): VDC
 Ion 66.90 (66.60 to 67.60): VDC

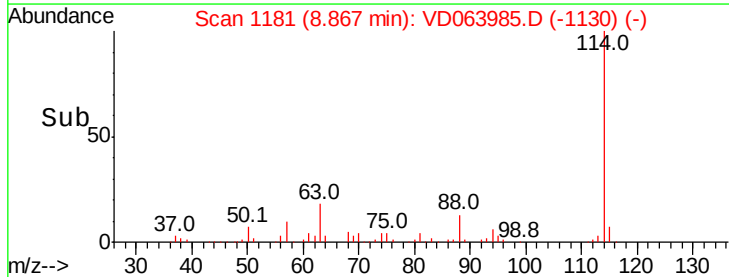
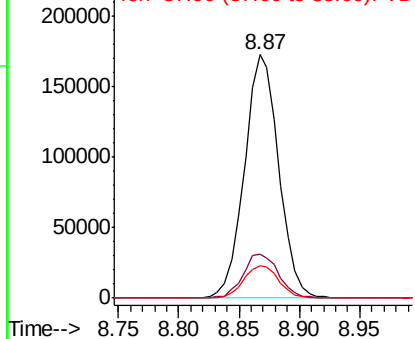


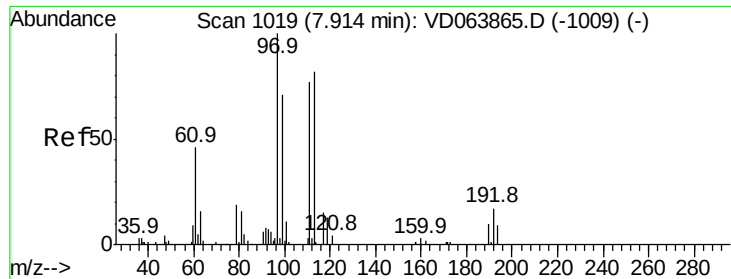
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063985.D
 Acq: 16 Oct 2019 14:10

Tgt Ion: 114 Resp: 341689
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.4
 88 13.1 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: 50.665 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063985.D

Acq: 16 Oct 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :

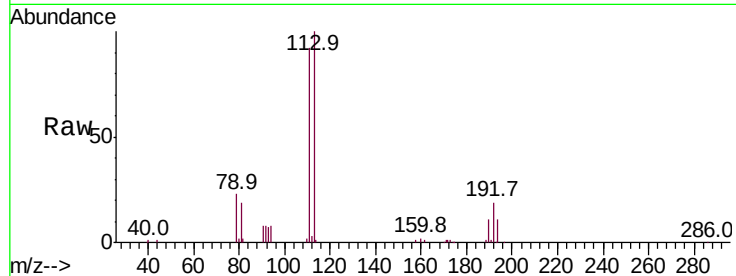
Tot Ion:113 Resp: 105796

Ion Ratio Lower Upper

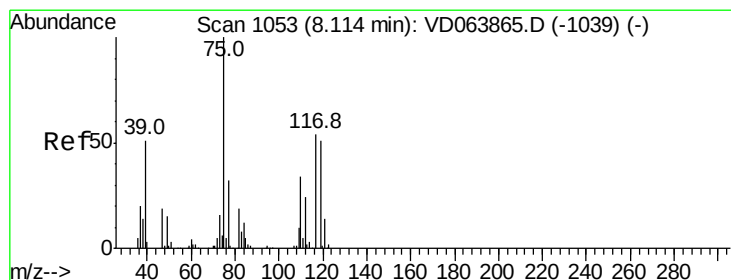
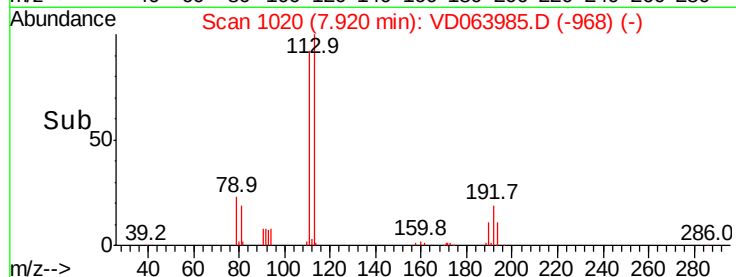
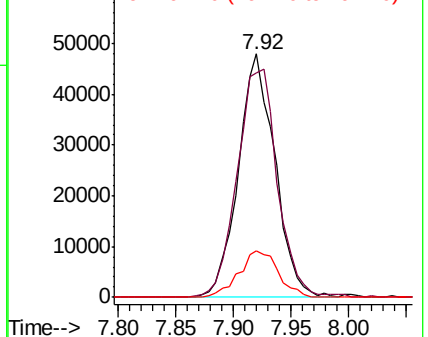
113 100

111 102.6 82.6 123.8

192 20.5 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: 4.658 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD063985.D

Acq: 16 Oct 2019 14:10

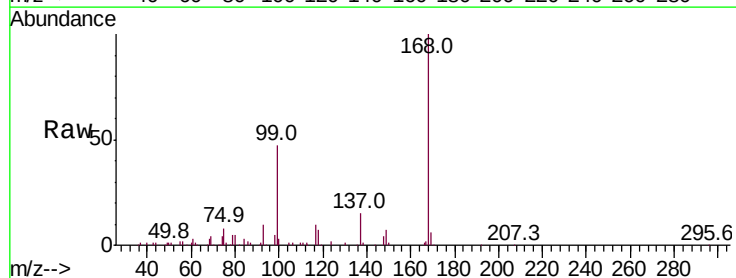
Tgt Ion: 75 Resp: 14553

Ion Ratio Lower Upper

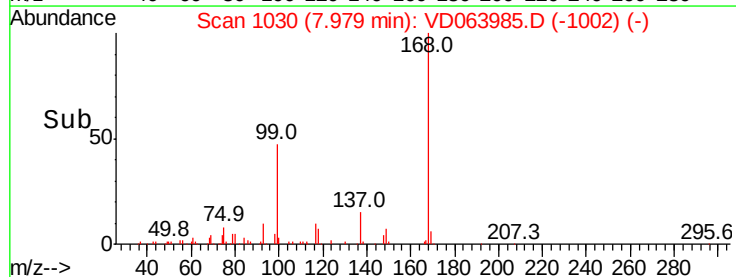
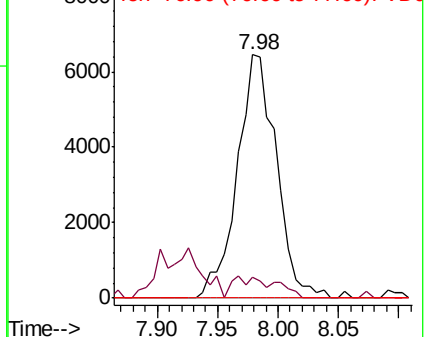
75 100

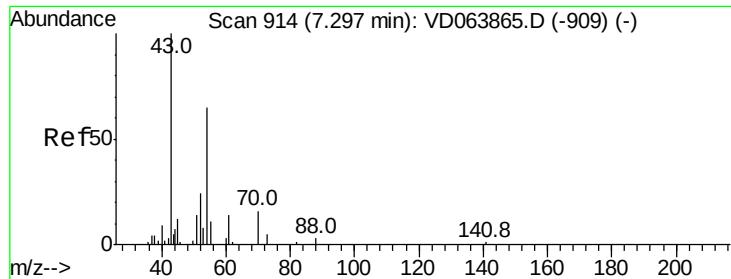
110 3.3 17.4 52.3#

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

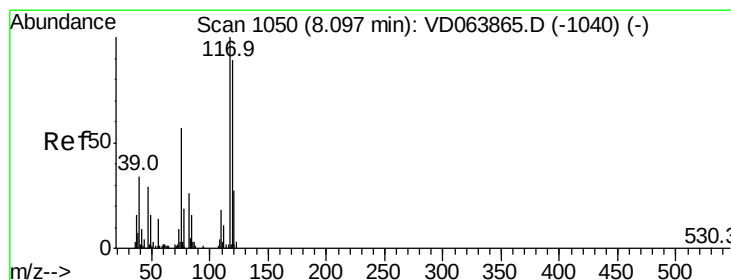
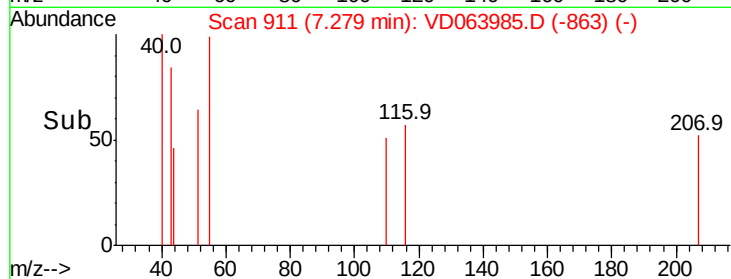
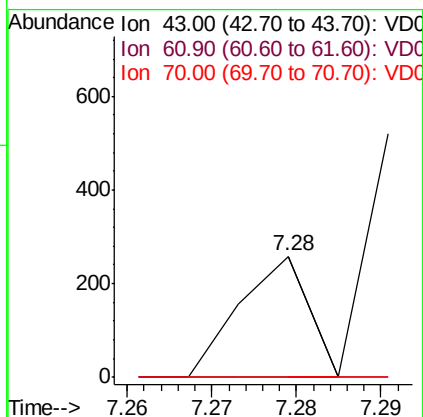
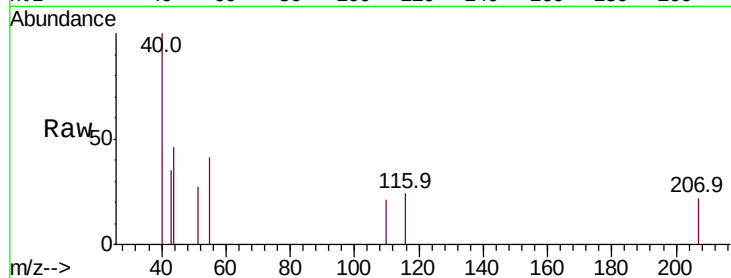




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.28 min Scan# 911
Delta R.T. -0.02 min
Lab File: VD063985.D
Acq: 16 Oct 2019 14:10

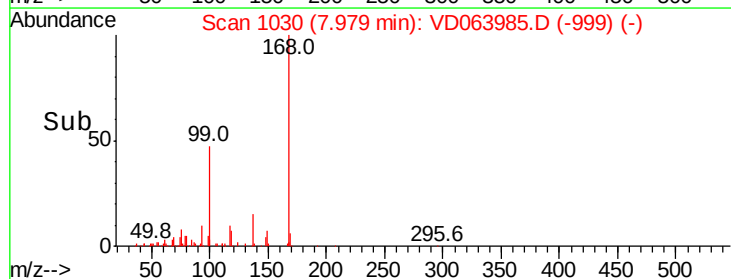
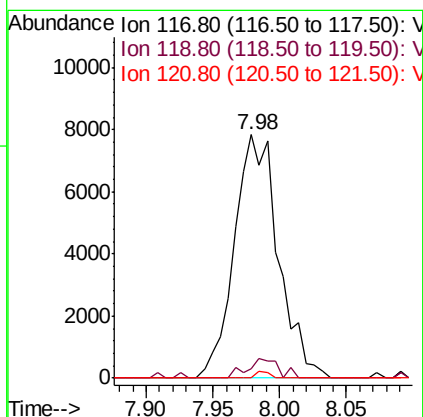
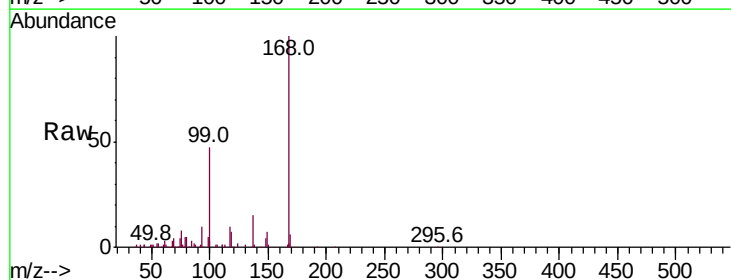
Instrument :
MSVOA_D
ClientSampleID :

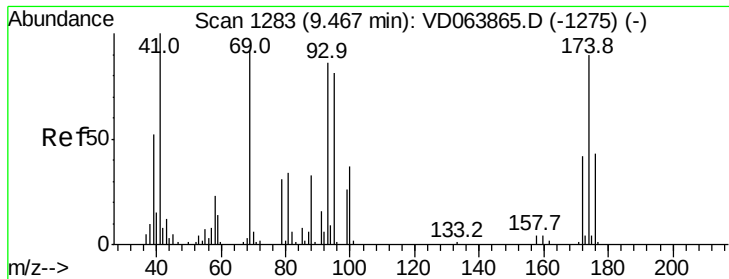
Tot Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063985.D
Acq: 16 Oct 2019 14:10

Tgt Ion: 117 Resp: 17924
Ion Ratio Lower Upper
117 100
119 4.0 70.8 106.2#
121 0.0 21.4 32.0#

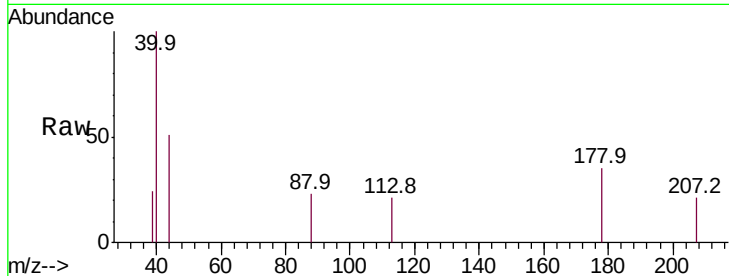




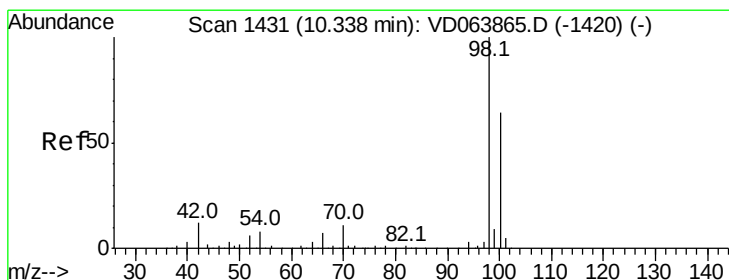
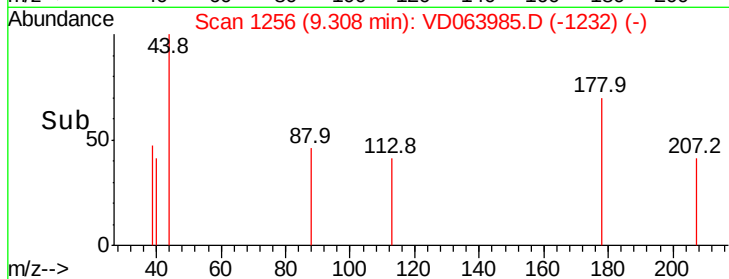
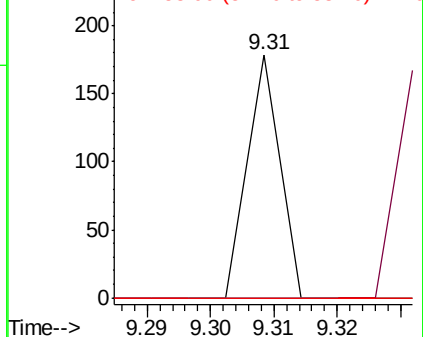
#49
 1,4-Dioxane
 Concen: 3.698 ug/l
 RT: 9.31 min Scan# 1256
 Delta R.T. -0.16 min
 Lab File: VD063985.D
 Acq: 16 Oct 2019 14:10

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 0.0 27.6 41.4#
 58 0.0 54.1 81.1#

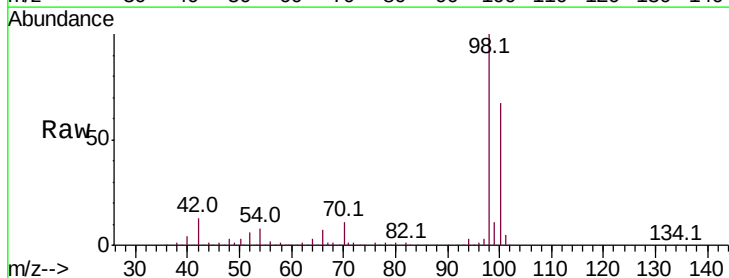


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

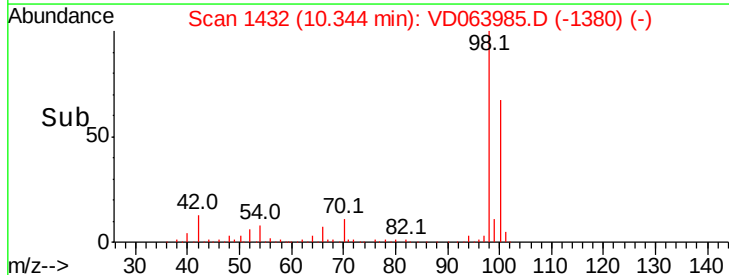
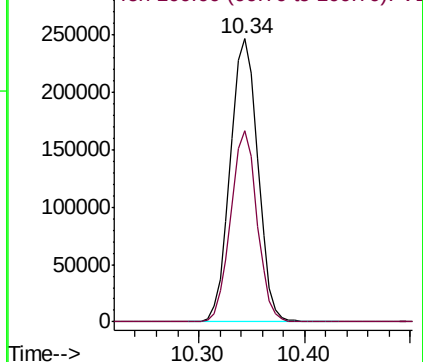


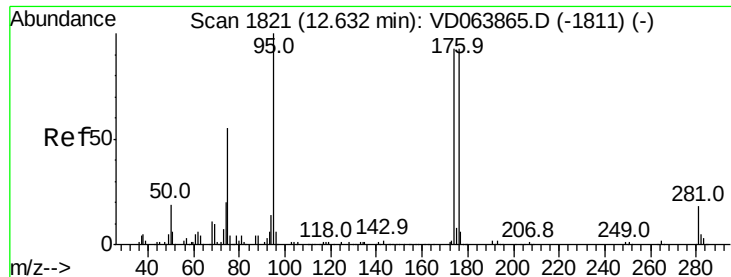
#50
 Toluene-d8
 Concen: 52.531 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD063985.D
 Acq: 16 Oct 2019 14:10

Tgt Ion: 98 Resp: 445229
 Ion Ratio Lower Upper
 98 100
 100 64.6 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: 45.861 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063985.D

Acq: 16 Oct 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

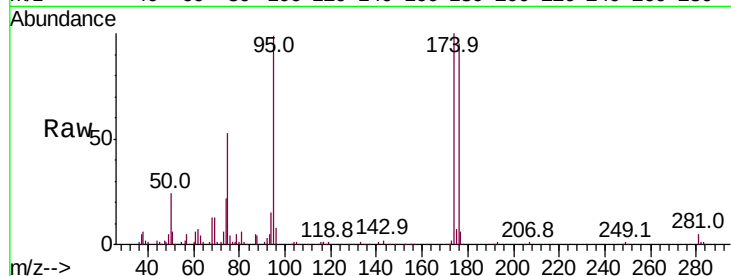
Tot Ion: 95 Resp: 135072

Ion Ratio Lower Upper

95 100

174 94.2 0.0 186.4

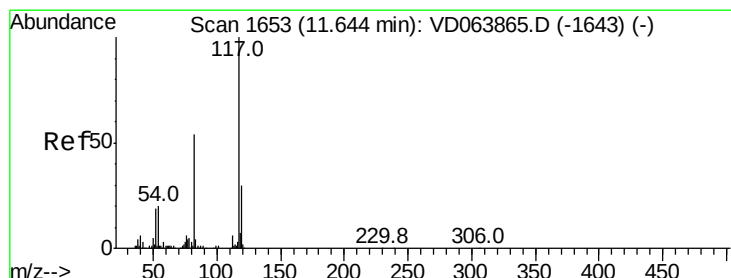
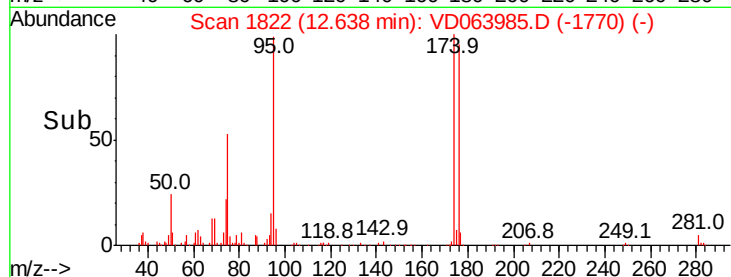
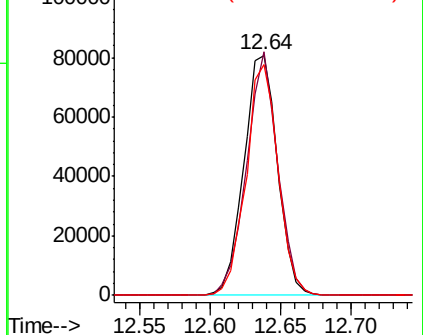
176 91.7 0.0 184.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD063985.D

Acq: 16 Oct 2019 14:10

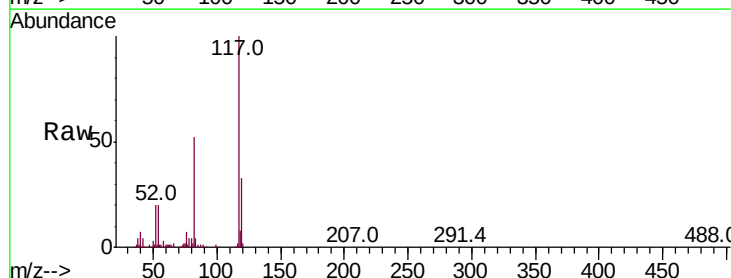
Tgt Ion: 117 Resp: 336689

Ion Ratio Lower Upper

117 100

82 52.2 42.8 64.2

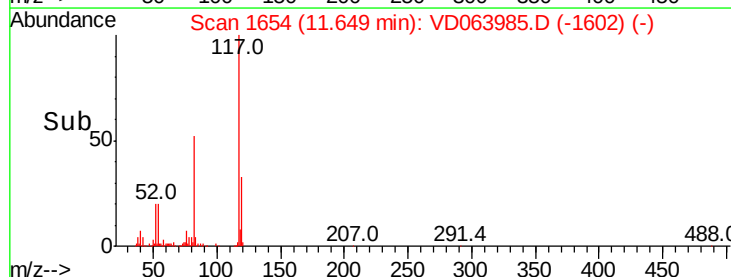
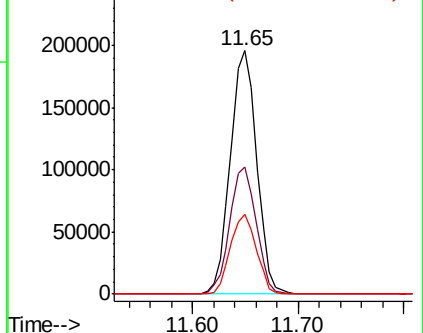
119 32.6 24.4 36.6

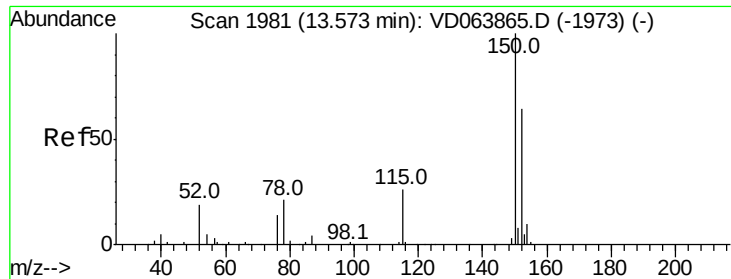


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063985.D

Acq: 16 Oct 2019 14:10

Instrument :

MSVOA_D

ClientSampleId :

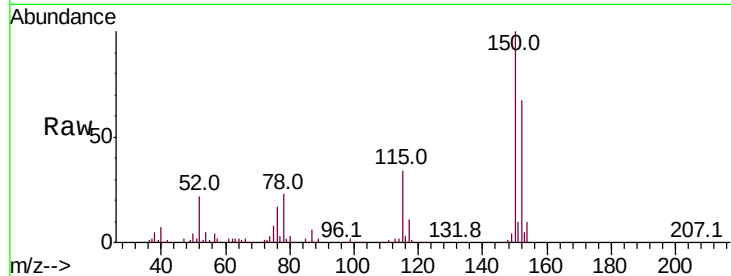
Tot Ion:152 Resp: 161981

Ion Ratio Lower Upper

152 100

115 54.3 25.9 77.7

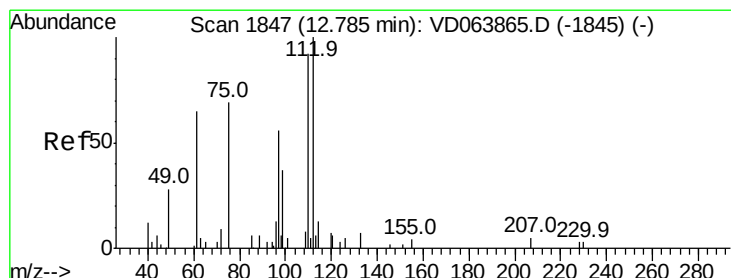
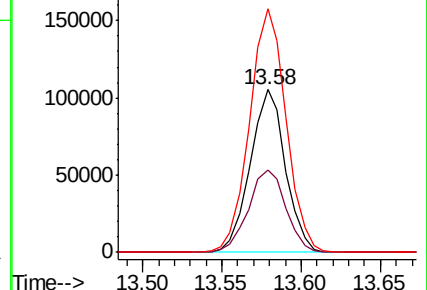
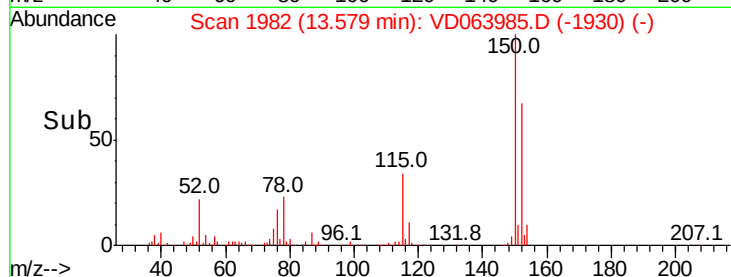
150 155.3 0.0 344.2



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: 67.359 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063985.D

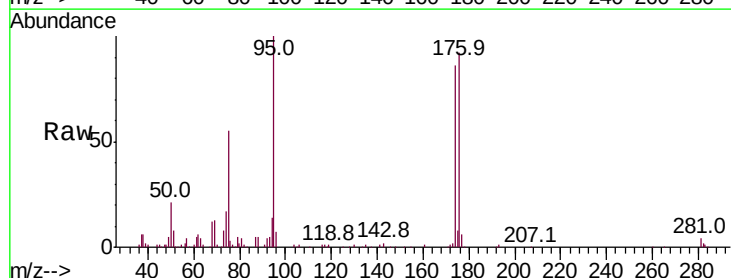
Acq: 16 Oct 2019 14:10

Tgt Ion: 75 Resp: 73078

Ion Ratio Lower Upper

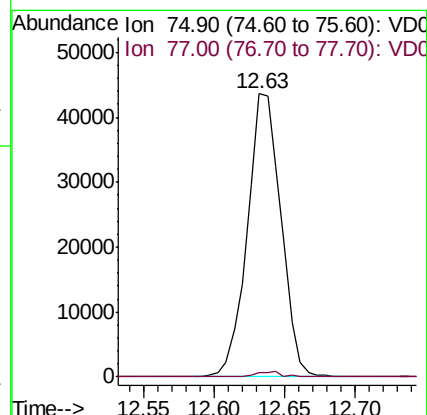
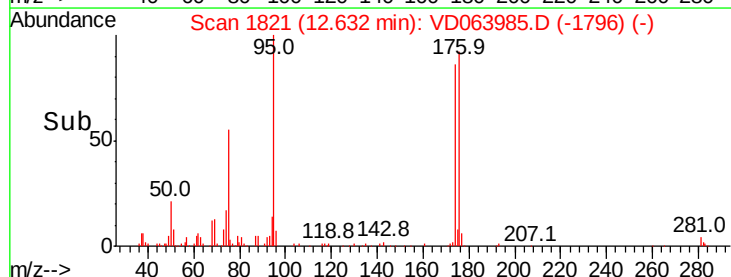
75 100

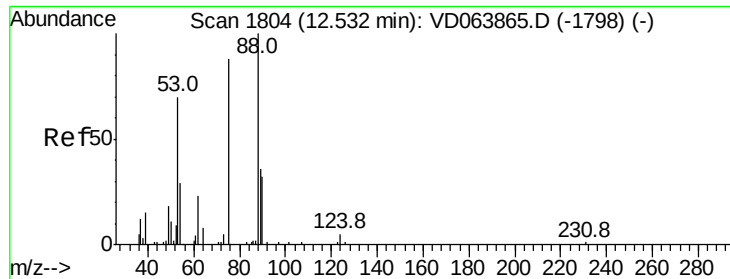
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

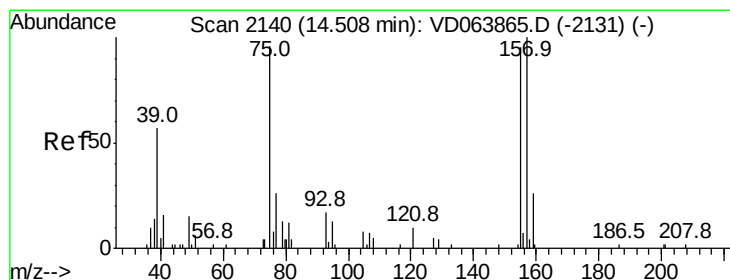
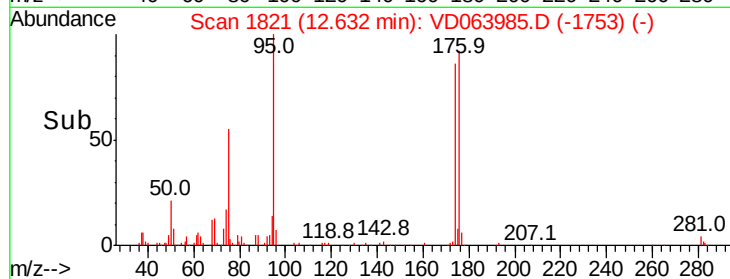
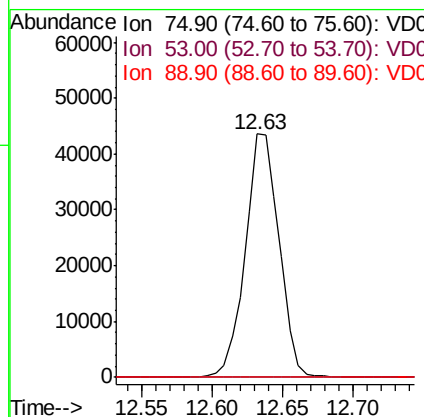
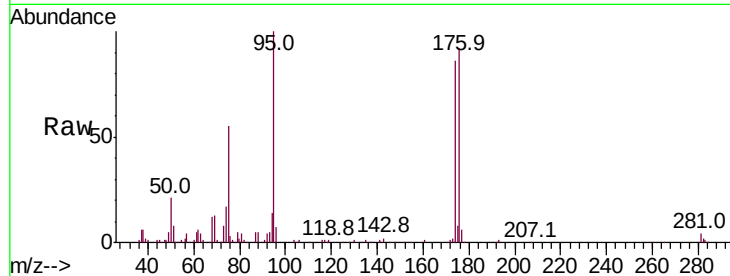




#81
trans-1,4-Dichloro-2-butene
Concen: 119.198 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.10 min
Lab File: VD063985.D
Acq: 16 Oct 2019 14:10

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 73078
Ion Ratio Lower Upper
75 100
53 0.0 75.0 112.6#
89 0.1 38.2 57.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.66 min Scan# 2165
Delta R.T. 0.15 min
Lab File: VD063985.D
Acq: 16 Oct 2019 14:10

Tgt Ion: 75 Resp: 100
Ion Ratio Lower Upper
75 100
155 73.0 43.9 131.6
157 0.0 56.0 167.9#

