

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\NOT REVIEWED DATA\
 Data File : VD063986.D
 Acq On : 16 Oct 2019 14:38
 Operator : VA/SY
 Sample : K5394-08
 Misc : 7.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 16 18:31:39 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	180443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	327481	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	317456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134874	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	95086	54.13	ug/l	0.00
Spiked Amount			Recovery	=	108.26%	
35) Dibromofluoromethane	7.92	113	101307	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
50) Toluene-d8	10.34	98	435525	53.62	ug/l	0.00
Spiked Amount			Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.64	95	118801	42.09	ug/l	0.00
Spiked Amount			Recovery	=	84.18%	

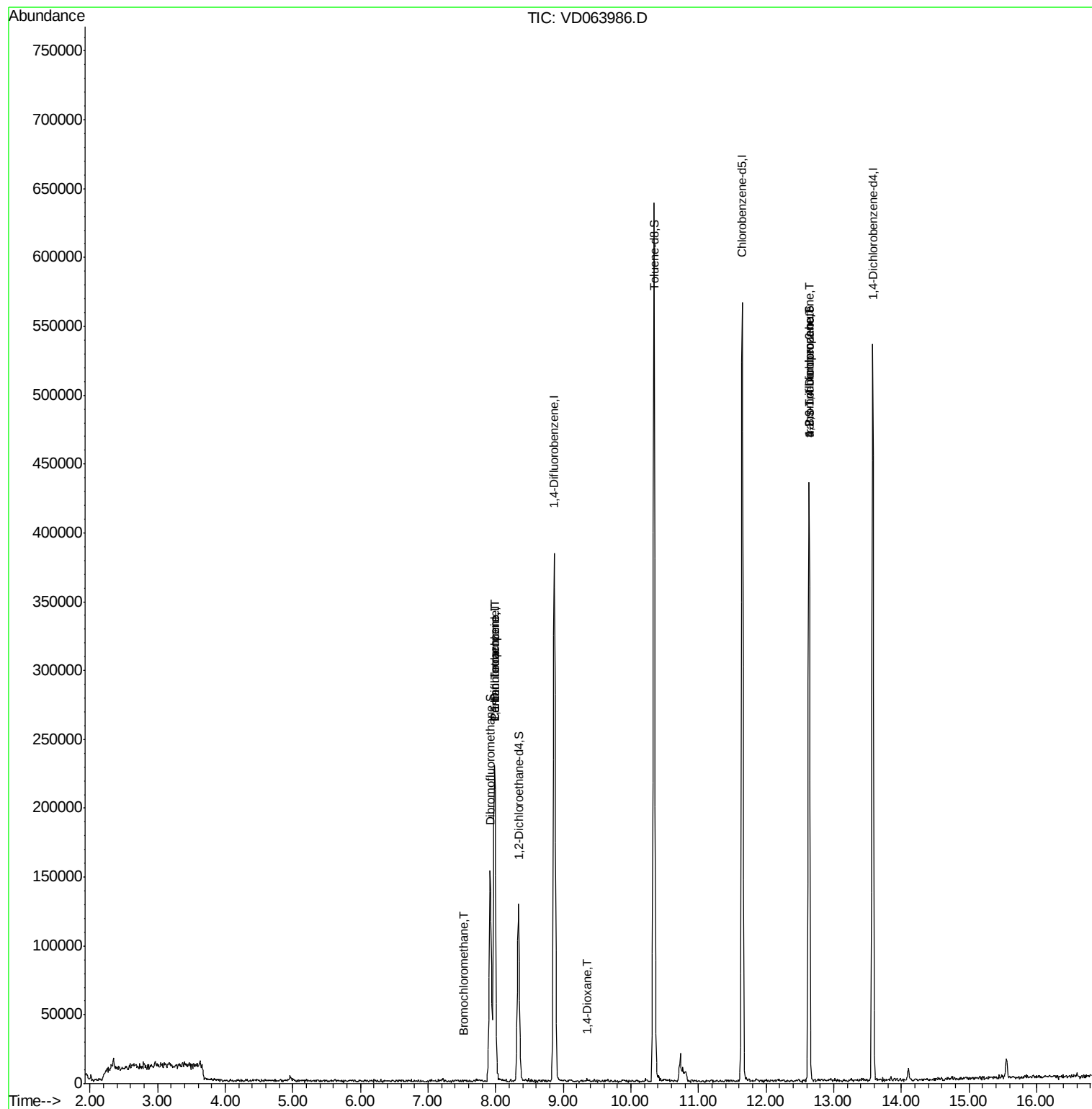
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	866	Below Cal	#	40
11) Tert butyl alcohol	5.23	59	140	Below Cal	#	1
20) Methylene Chloride	4.96	84	722	Below Cal	#	54
28) Bromochloromethane	7.53	49	85	1.932	ug/l #	10
31) Cyclohexane	7.97	56	2226	Below Cal	#	67
36) 1,1-Dichloropropene	7.98	75	14401	4.810	ug/l #	52
37) Ethyl Acetate	7.33	43	85	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	17729	5.859	ug/l #	19
49) 1,4-Dioxane	9.35	88	68	4.165	ug/l #	6
76) 1,2,3-Trichloropropane	12.64	75	68584	75.922	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	68584	134.351	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	74	Below Cal		94

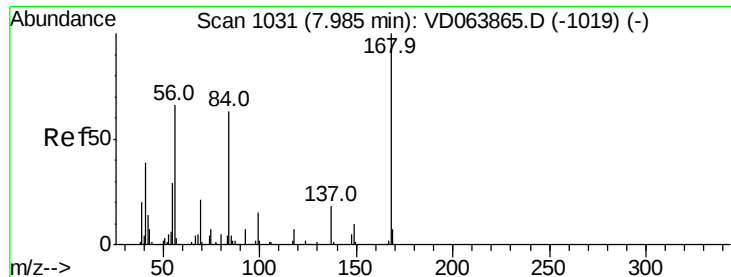
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

Instrument :

MSVOA_D

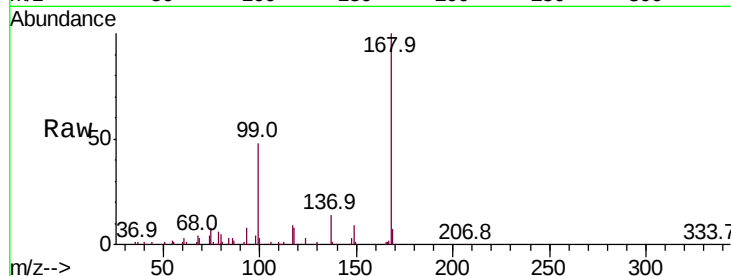
ClientSampled :

Tot Ion:168 Resp: 180443

Ion Ratio Lower Upper

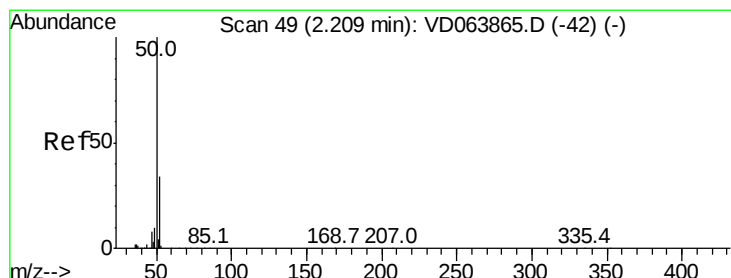
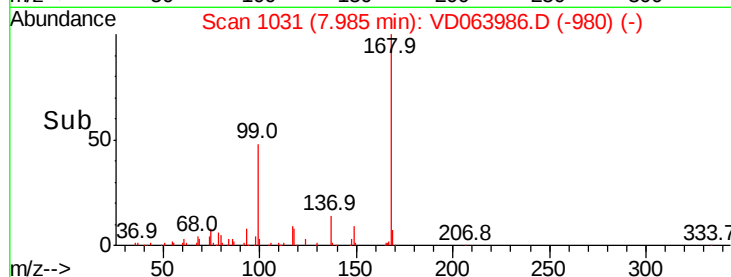
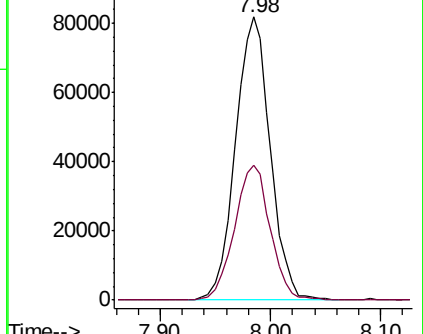
168 100

99 47.8 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: VD063986.D

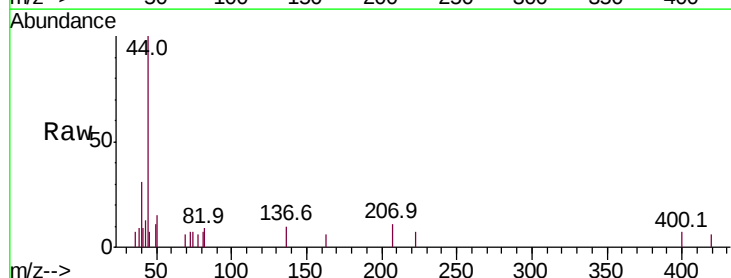
Acq: 16 Oct 2019 14:38

Tgt Ion: 50 Resp: 866

Ion Ratio Lower Upper

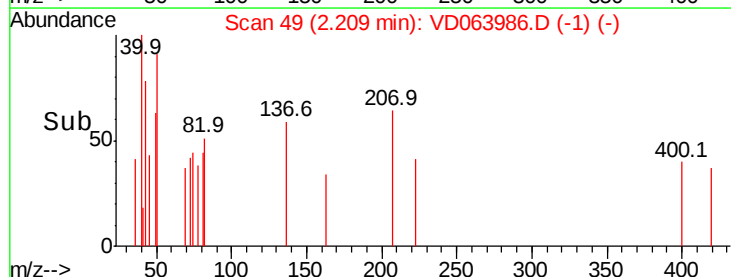
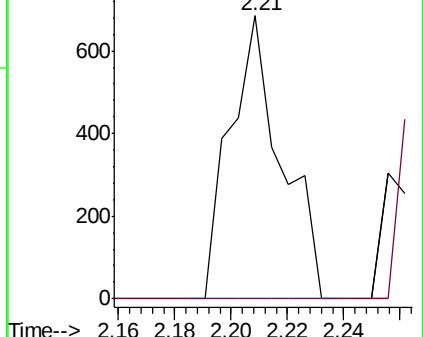
50 100

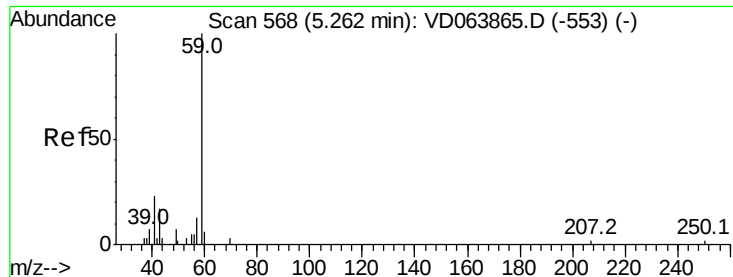
52 0.0 27.5 41.3#



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: 5.23 min Scan# 562

Delta R.T. -0.03 min

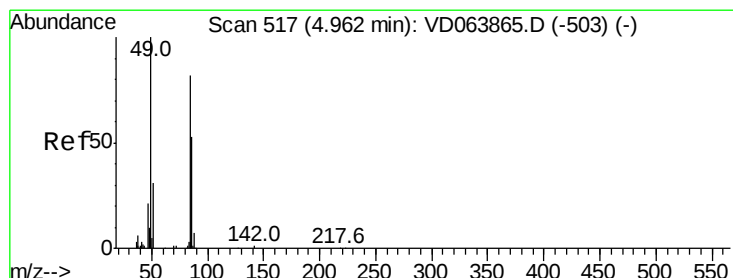
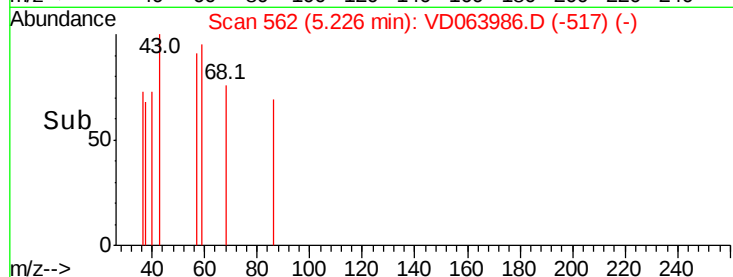
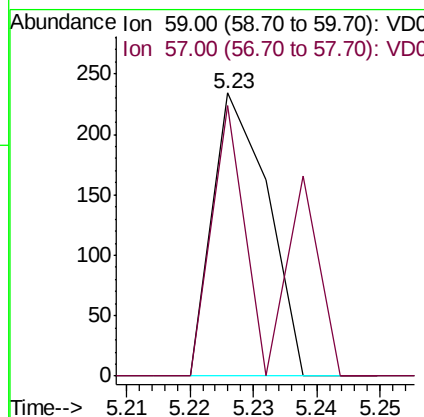
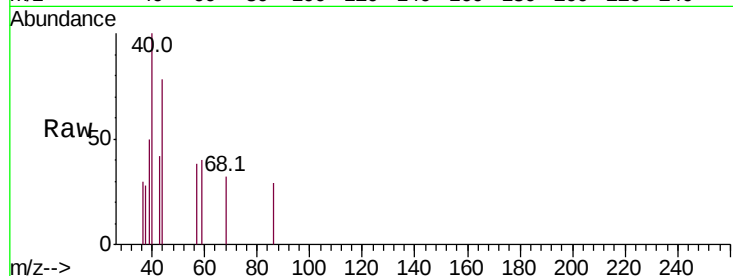
Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 59 Resp: 140

Ion	Ratio	Lower	Upper
59	100		
57	98.6	8.8	13.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

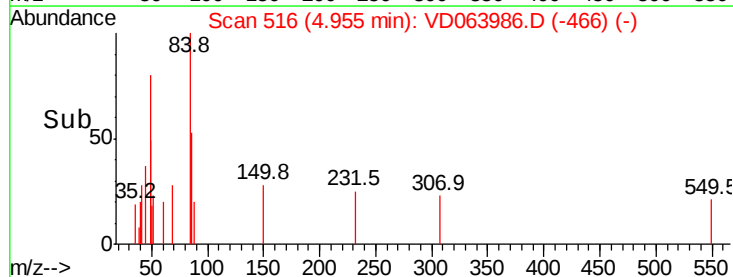
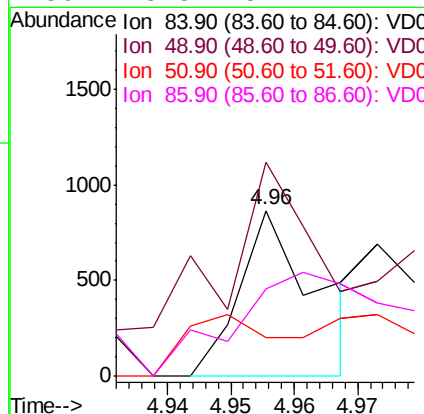
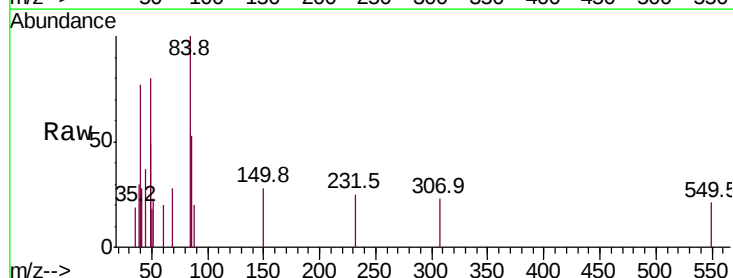
Delta R.T. -0.01 min

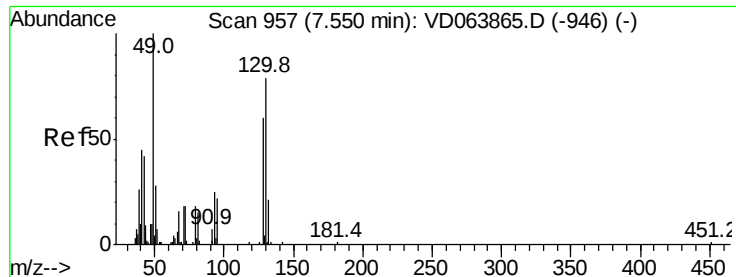
Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

Tgt Ion: 84 Resp: 722

Ion	Ratio	Lower	Upper
84	100		
49	77.8	97.3	145.9#
51	0.0	30.1	45.1#
86	25.5	51.4	77.2#





#28

Bromochloromethane

Concen: 1.932 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.02 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :

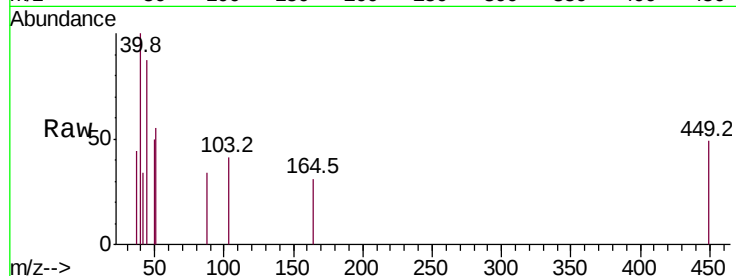
Tot Ion: 49 Resp: 85

Ion Ratio Lower Upper

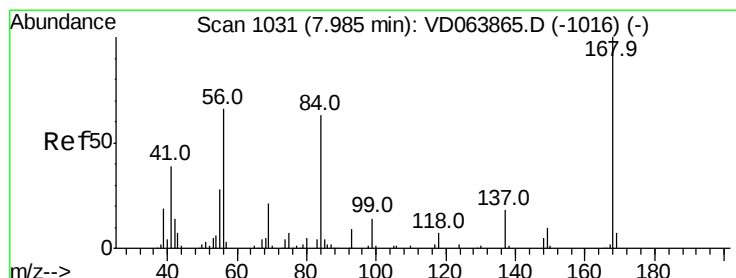
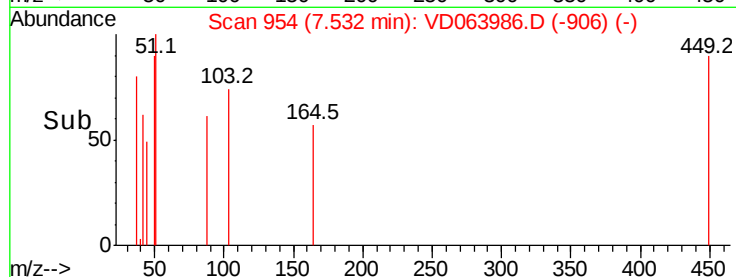
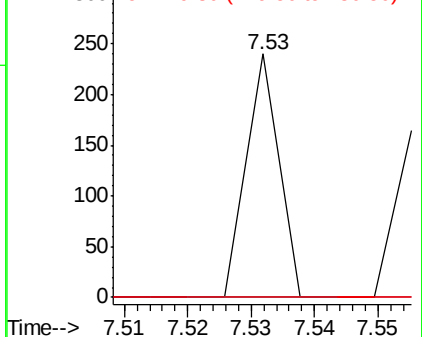
49 100

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: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

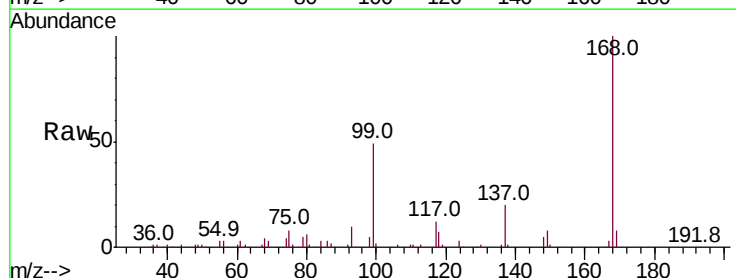
Tgt Ion: 56 Resp: 2226

Ion Ratio Lower Upper

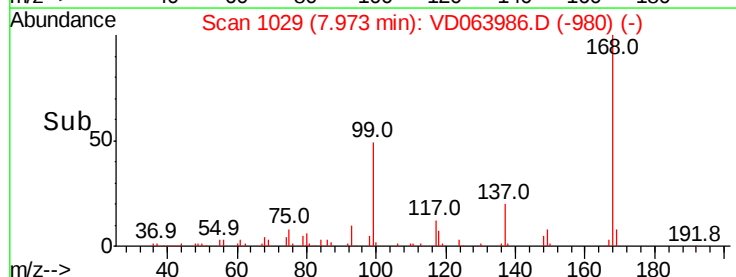
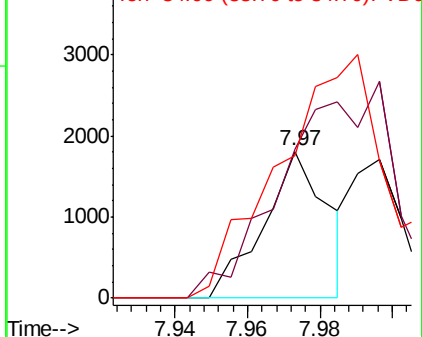
56 100

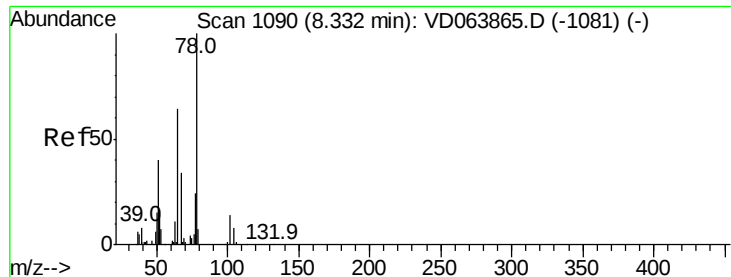
69 101.3 25.0 37.4#

84 97.5 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

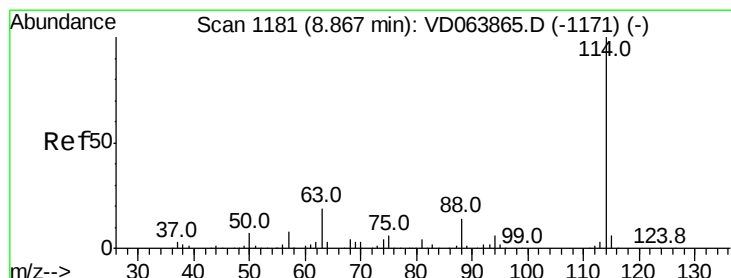
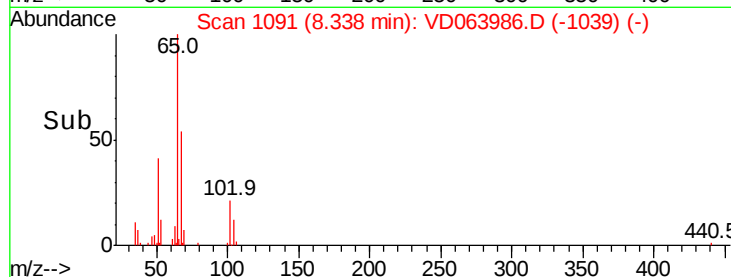
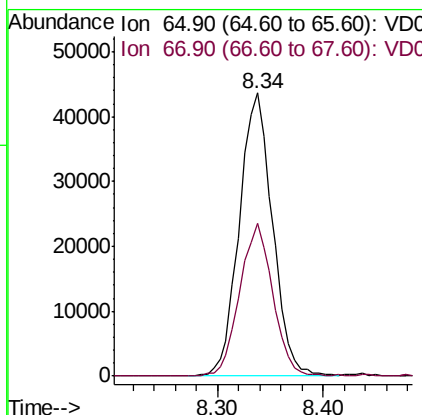
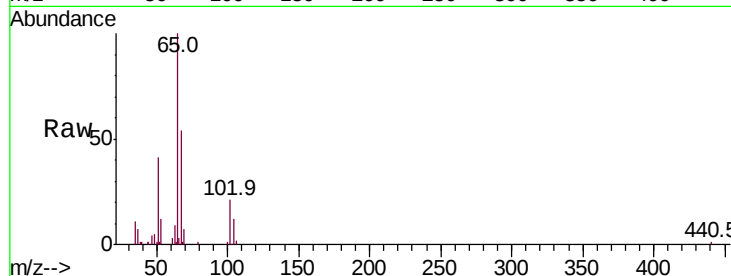




#33
 1,2-Dichloroethane-d4
 Concen: 54.126 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063986.D
 Acq: 16 Oct 2019 14:38

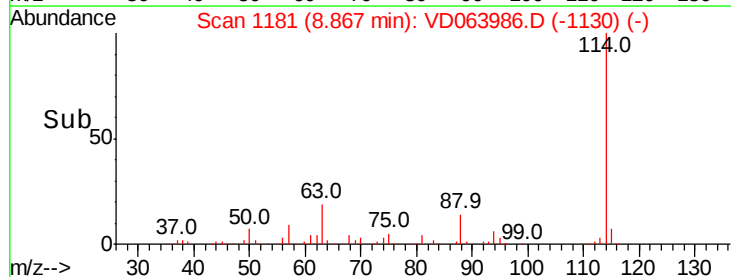
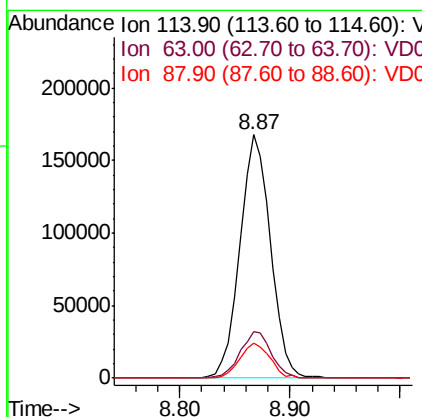
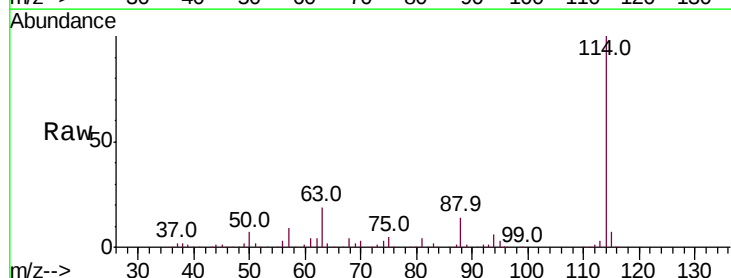
Instrument :
 MSVOA_D
 ClientSampleId :

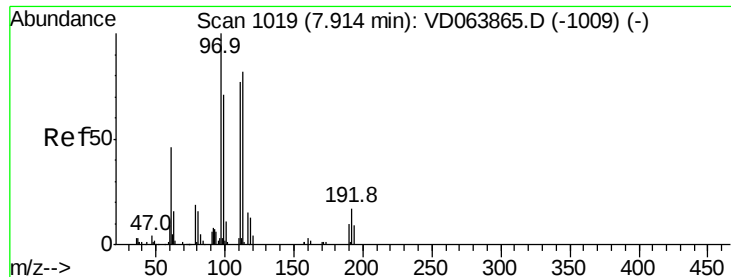
Tot Ion: 65 Resp: 95086
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063986.D
 Acq: 16 Oct 2019 14:38

Tgt Ion: 114 Resp: 327481
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 14.3 0.0 27.4





#35

Dibromofluoromethane

Concen: 50.620 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampleId :

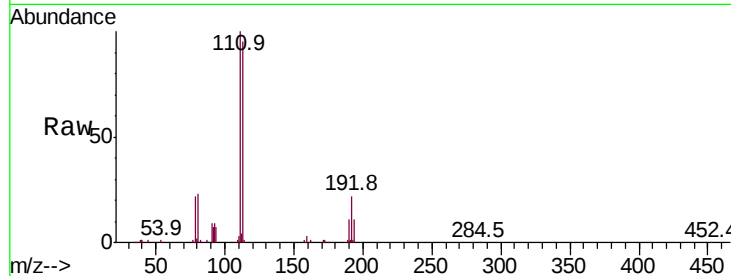
Tot Ion:113 Resp: 101307

Ion Ratio Lower Upper

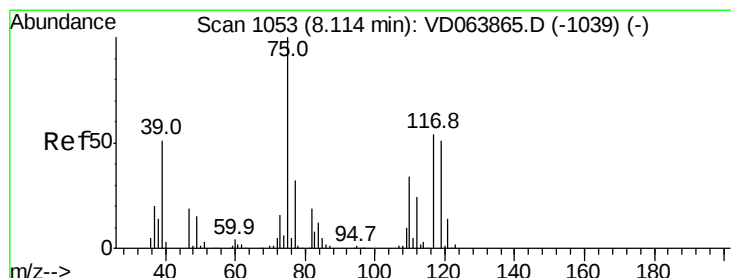
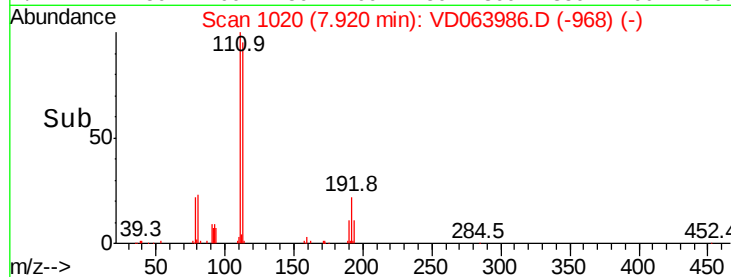
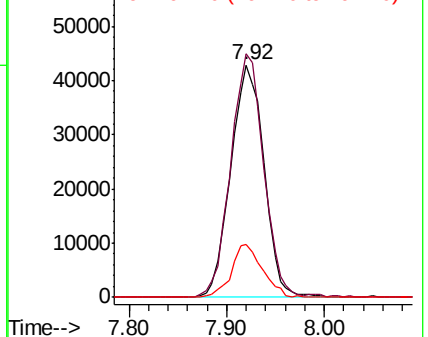
113 100

111 103.4 82.6 123.8

192 21.3 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: 4.810 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

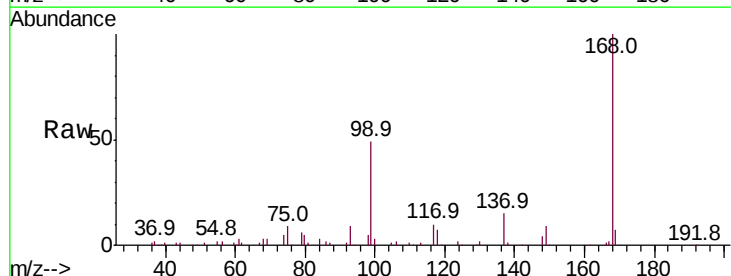
Tgt Ion: 75 Resp: 14401

Ion Ratio Lower Upper

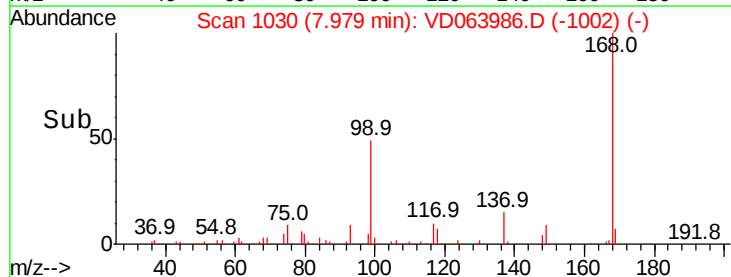
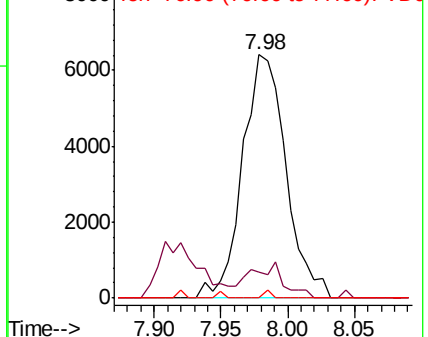
75 100

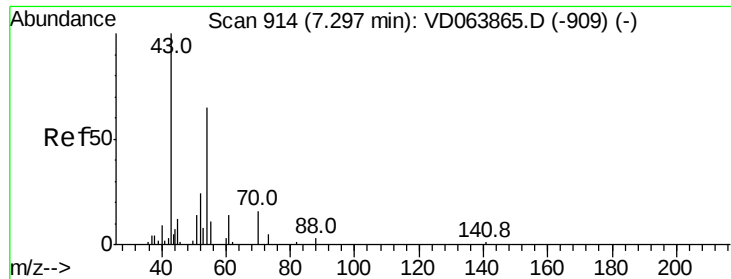
110 11.1 17.4 52.3#

77 0.5 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

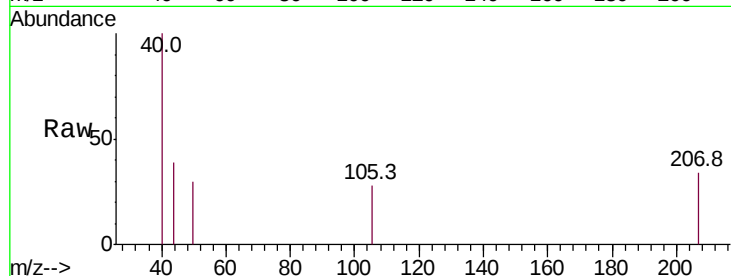




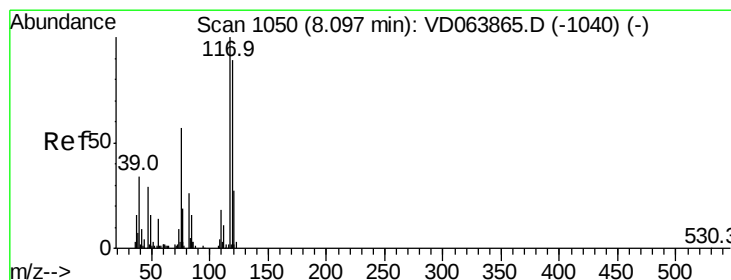
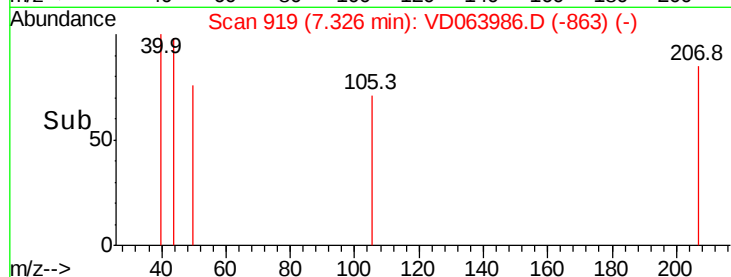
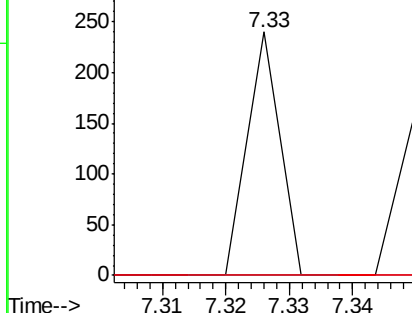
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.33 min Scan# 919
Delta R.T. 0.03 min
Lab File: VD063986.D
Acq: 16 Oct 2019 14:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

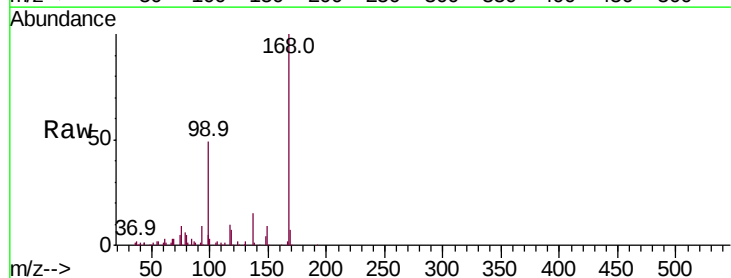


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

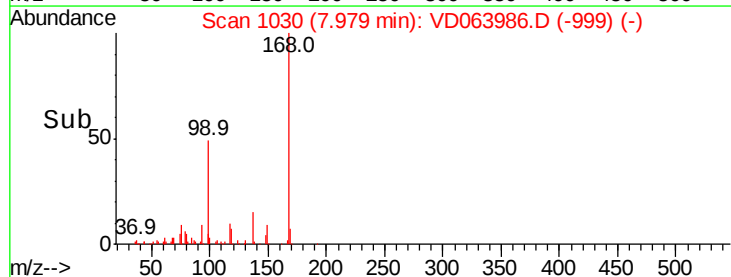
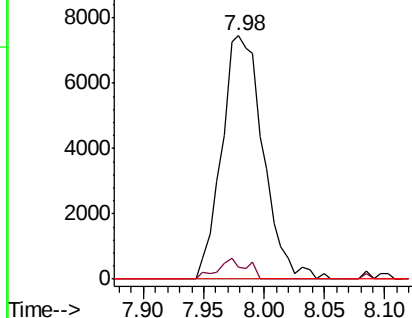


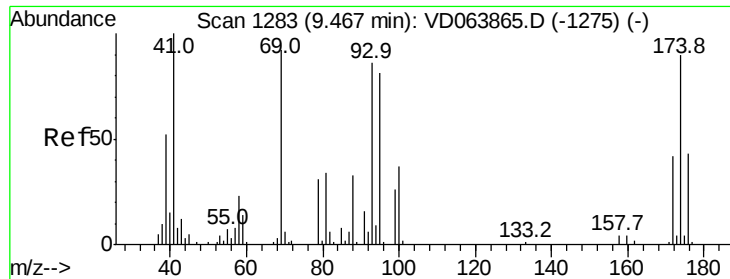
#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063986.D
Acq: 16 Oct 2019 14:38

Tgt Ion: 117 Resp: 17729
Ion Ratio Lower Upper
117 100
119 4.9 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

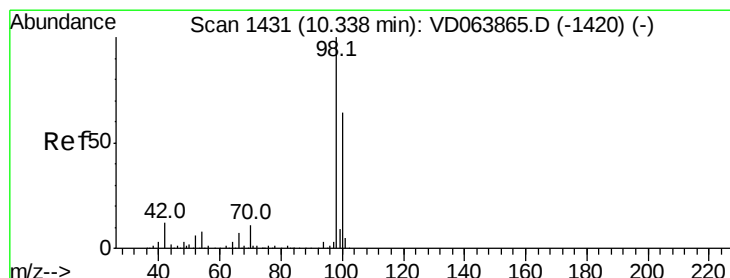
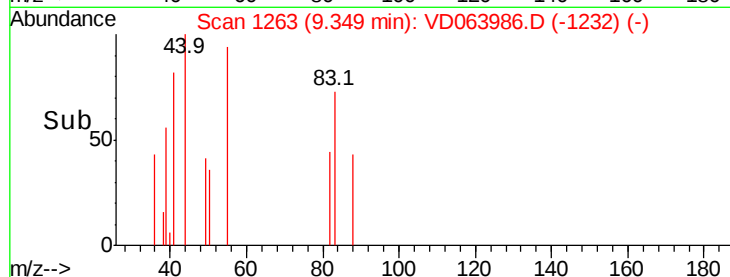
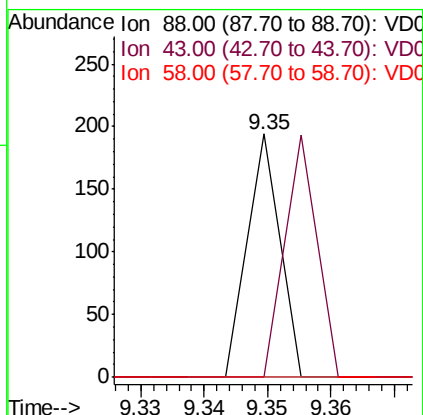
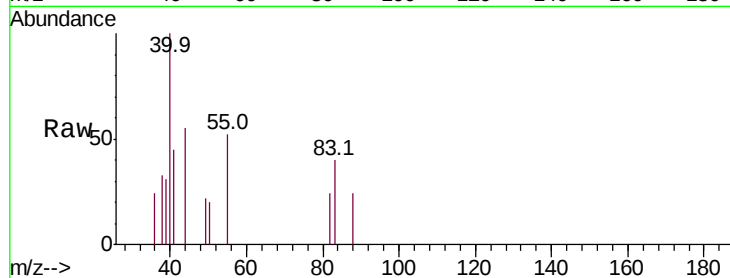




#49
1,4-Dioxane
Concen: 4.165 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.12 min
Lab File: VD063986.D
Acq: 16 Oct 2019 14:38

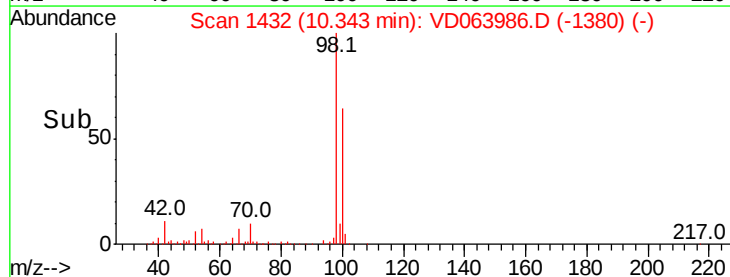
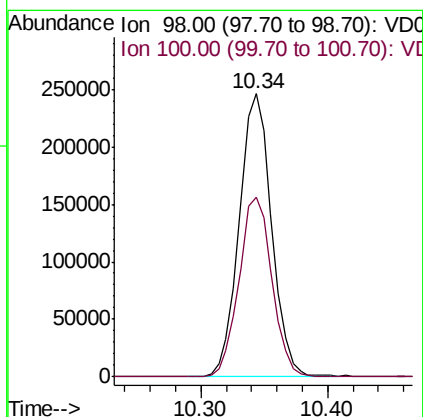
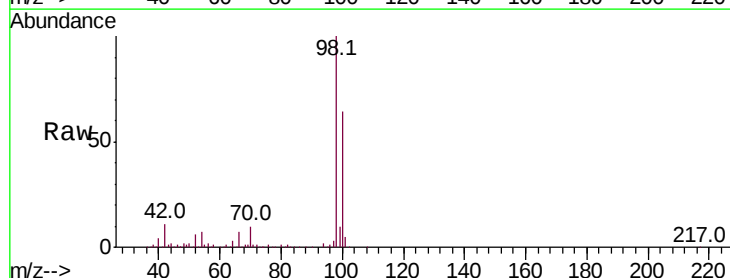
Instrument :
MSVOA_D
ClientSampleId :

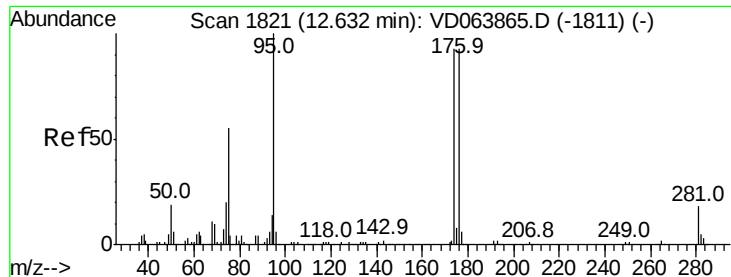
Tot Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 100.0 27.6 41.4#
58 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 53.616 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063986.D
Acq: 16 Oct 2019 14:38

Tgt Ion: 98 Resp: 435525
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 42.087 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

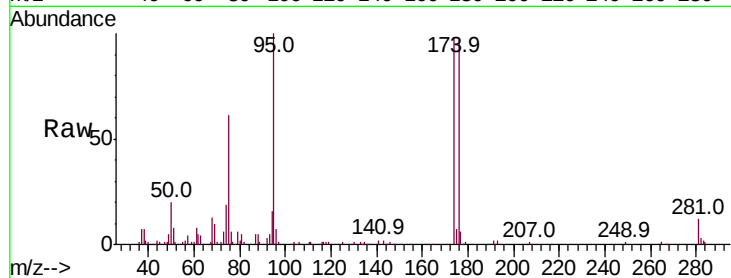
Tot Ion: 95 Resp: 118801

Ion Ratio Lower Upper

95 100

174 98.4 0.0 186.4

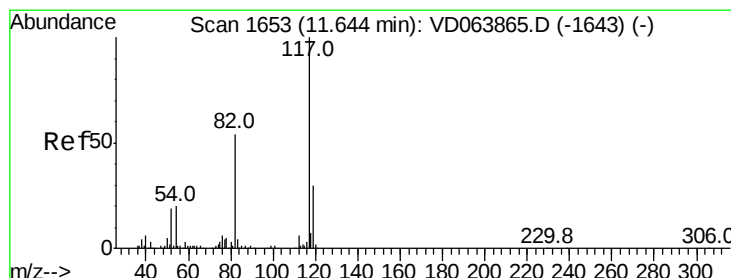
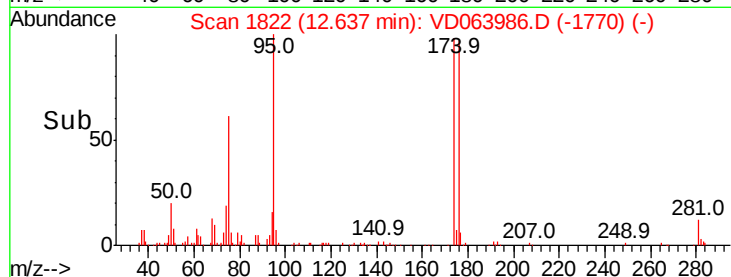
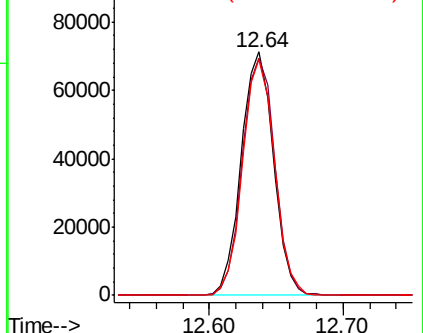
176 95.5 0.0 184.2



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: VD063986.D

Acq: 16 Oct 2019 14:38

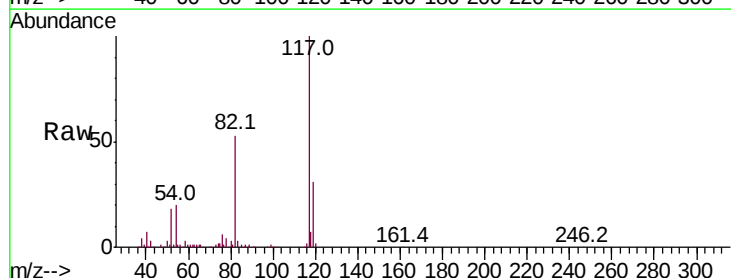
Tgt Ion: 117 Resp: 317456

Ion Ratio Lower Upper

117 100

82 53.2 42.8 64.2

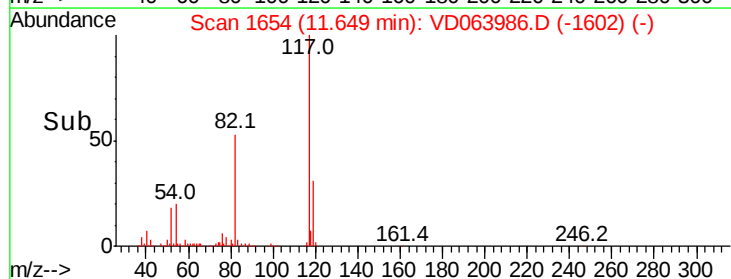
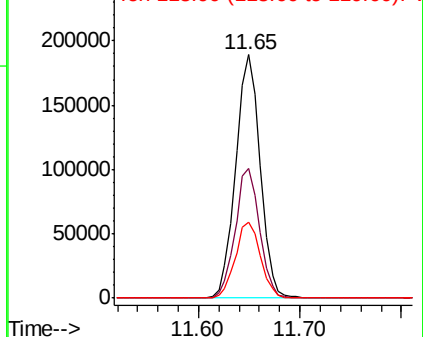
119 31.3 24.4 36.6

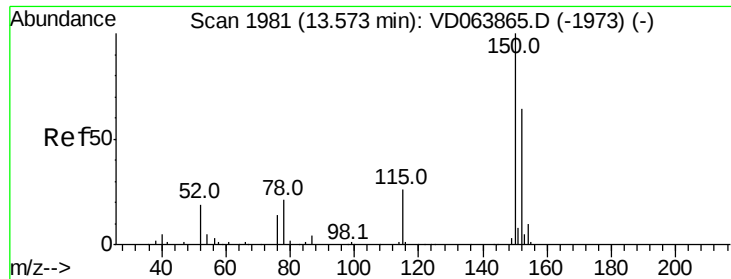


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD063986.D

Acq: 16 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

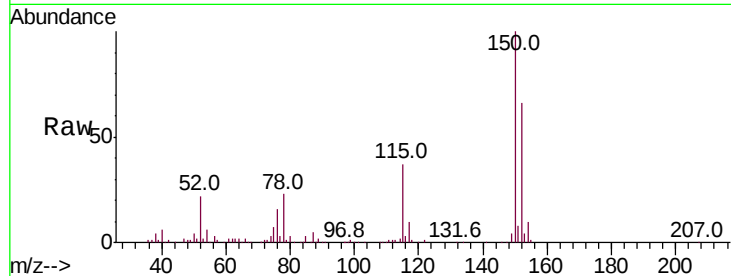
Tot Ion:152 Resp: 134874

Ion Ratio Lower Upper

152 100

115 56.8 25.9 77.7

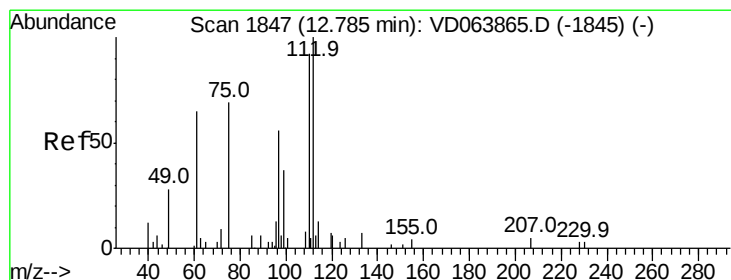
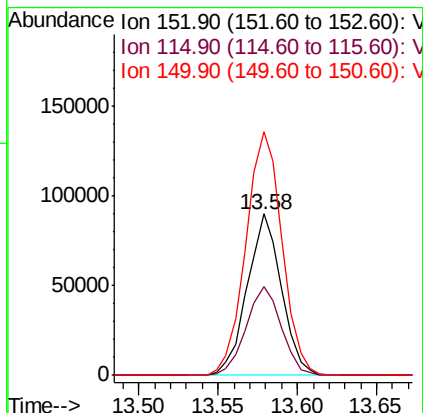
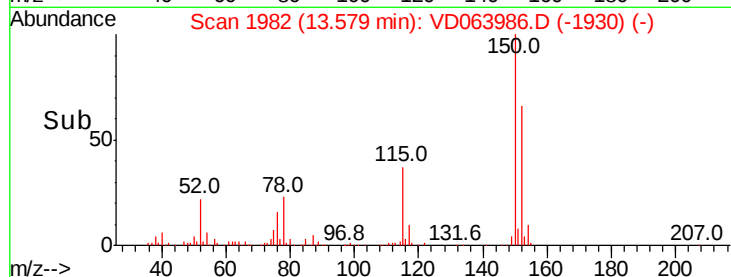
150 159.2 0.0 344.2



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: 75.922 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063986.D

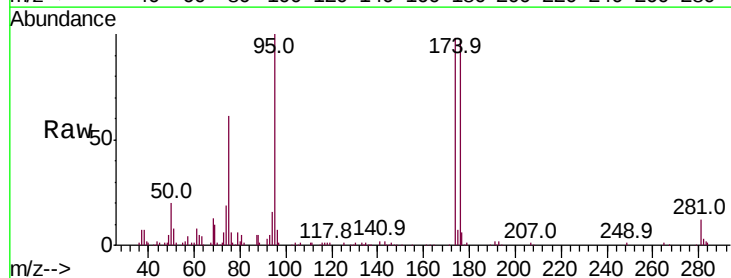
Acq: 16 Oct 2019 14:38

Tgt Ion: 75 Resp: 68584

Ion Ratio Lower Upper

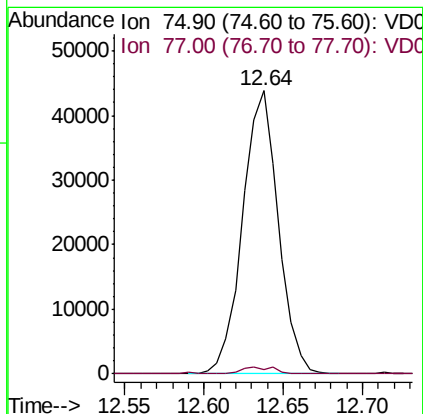
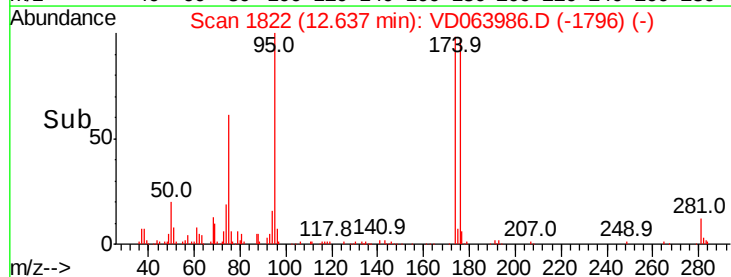
75 100

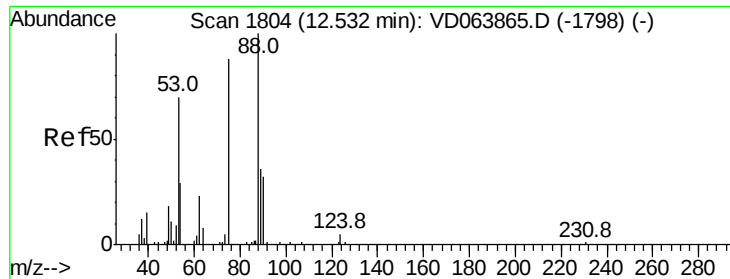
77 2.2 0.0 0.0#



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: 134.351 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

Instrument :

MSVOA_D

ClientSampleId :

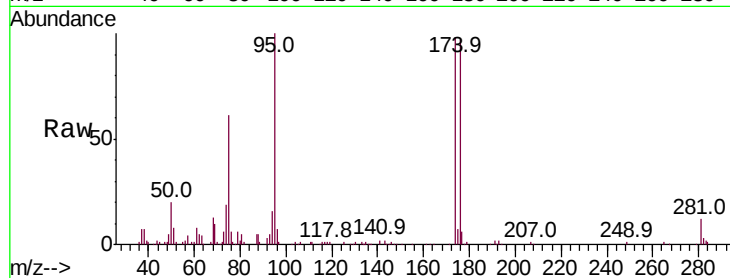
Tot Ion: 75 Resp: 68584

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

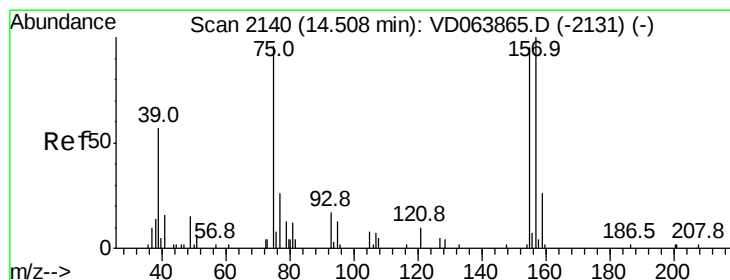
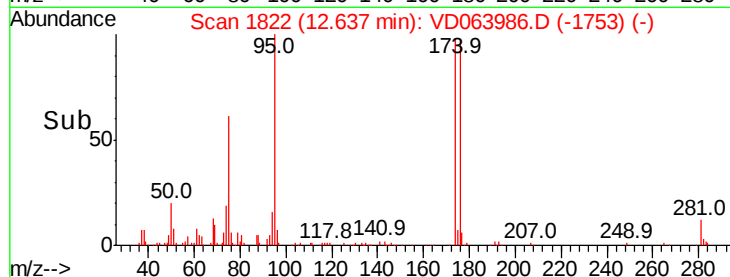
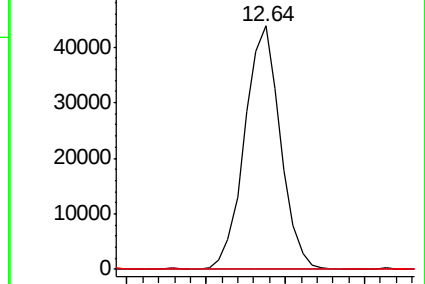
89 0.2 38.2 57.4#



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: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD063986.D

Acq: 16 Oct 2019 14:38

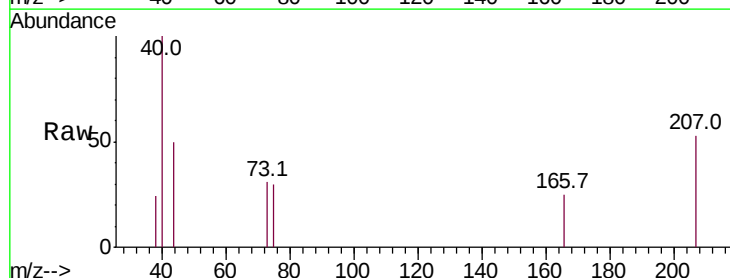
Tgt Ion: 75 Resp: 74

Ion Ratio Lower Upper

75 100

155 74.3 43.9 131.6

157 112.2 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

