

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063909.D
 Acq On : 10 Oct 2019 14:45
 Operator : VA/SY
 Sample : K5300-06
 Misc : 4.01G/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:38:59 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

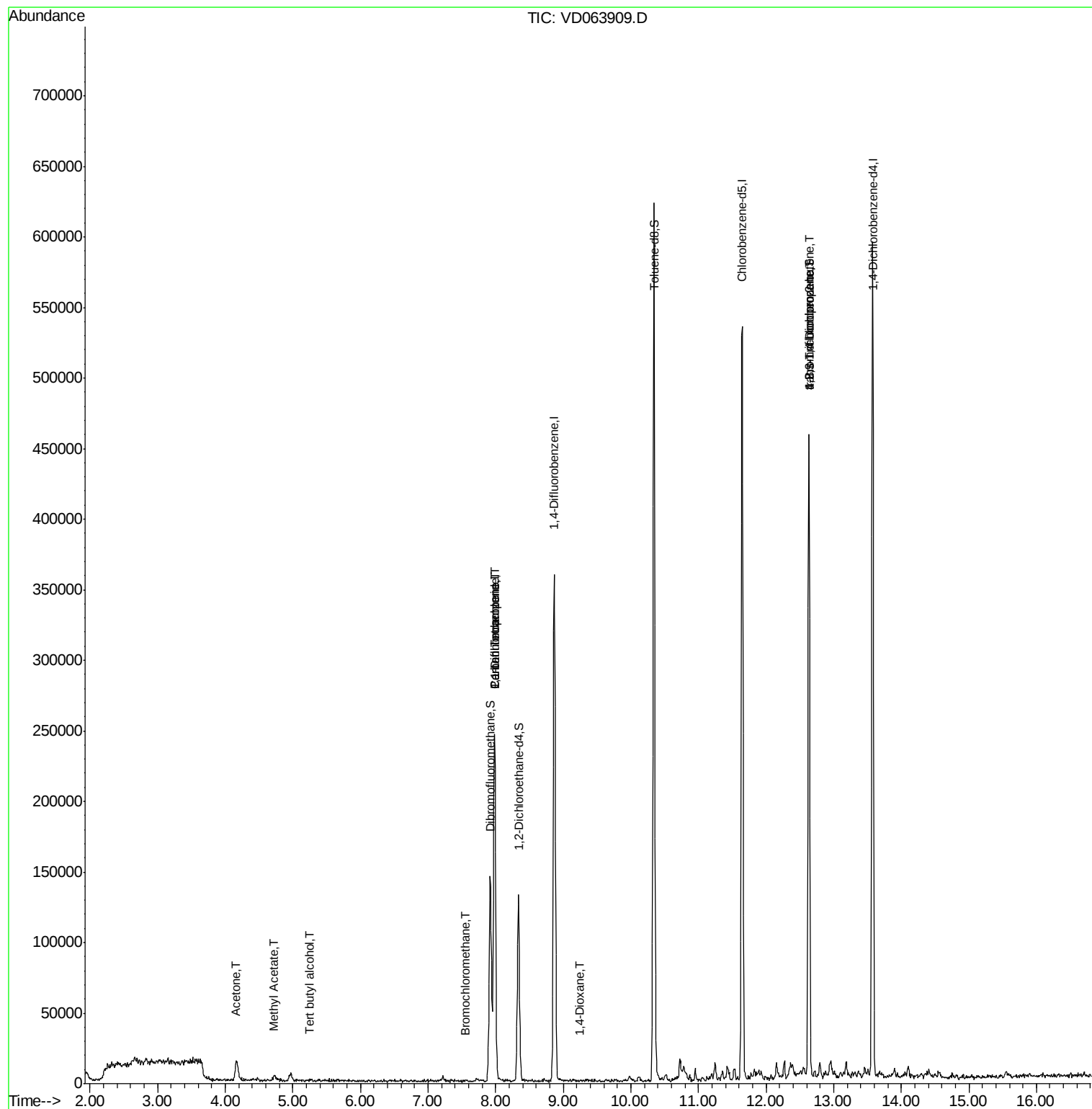
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	191053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	309601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	306670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	153879	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	101431	54.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.06%	
35) Dibromofluoromethane	7.92	113	98793	52.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.42%	
50) Toluene-d8	10.34	98	415872	54.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.64	95	129852	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.21	50	745	Below Cal		95
11) Tert butyl alcohol	5.24	59	1391	2.835 ug/l #		71
16) Acetone	4.16	43	26133	53.964 ug/l		98
18) Methyl Acetate	4.72	43	6626	6.996 ug/l		93
20) Methylene Chloride	4.96	84	1785	Below Cal #		71
28) Bromochloromethane	7.56	49	55	1.906 ug/l #		10
31) Cyclohexane	7.98	56	5229	Below Cal #		42
36) 1,1-Dichloropropene	7.98	75	14593	5.155 ug/l #		42
37) Ethyl Acetate	7.29	43	62	Below Cal #		68
38) Carbon Tetrachloride	7.98	117	19131	6.688 ug/l #		19
49) 1,4-Dioxane	9.25	88	63	4.082 ug/l #		24
76) 1,2,3-Trichloropropane	12.63	75	72671	70.511 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.63	75	72671	124.776 ug/l #		12
92) 1,2-Dibromo-3-Chloropropan	14.46	75	164	Below Cal #		1

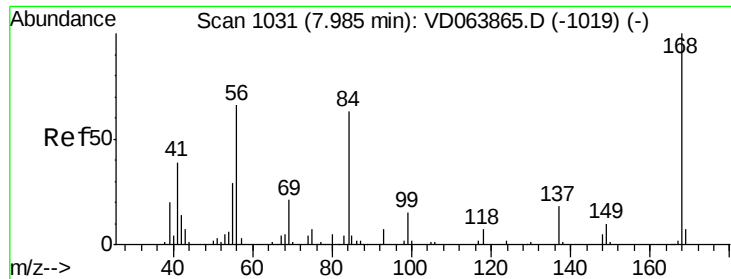
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063909.D

Acq: 10 Oct 2019 14:45

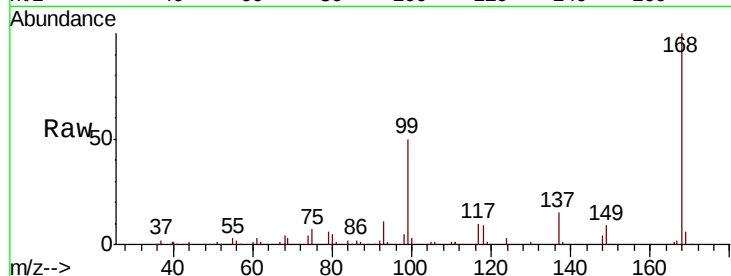
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:168 Resp: 191053

Ion Ratio Lower Upper

168 100

99 49.7 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

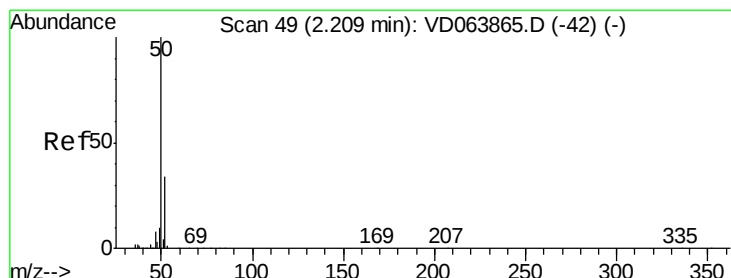
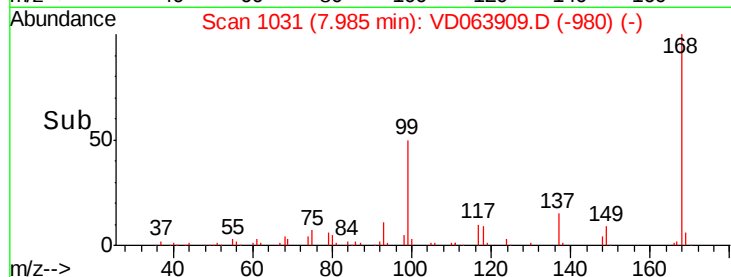
40000

20000

0

Time-->

7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063909.D

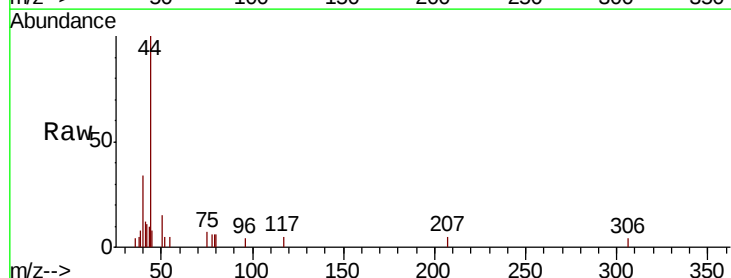
Acq: 10 Oct 2019 14:45

Tgt Ion: 50 Resp: 745

Ion Ratio Lower Upper

50 100

52 37.1 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

600

500

400

300

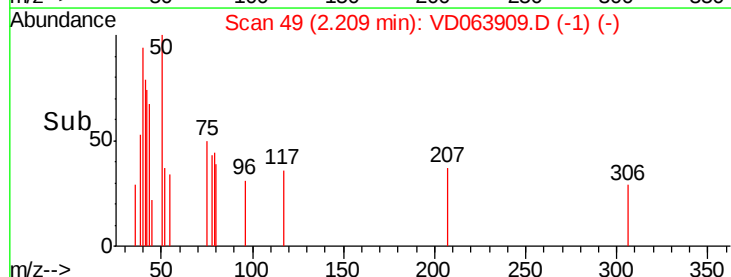
200

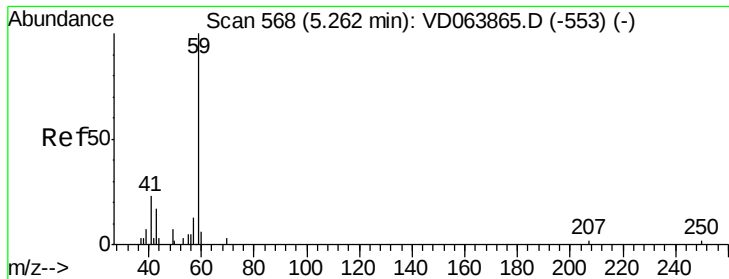
100

0

Time-->

2.15 2.20 2.25

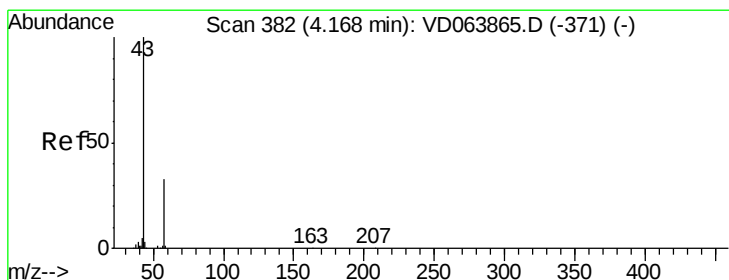
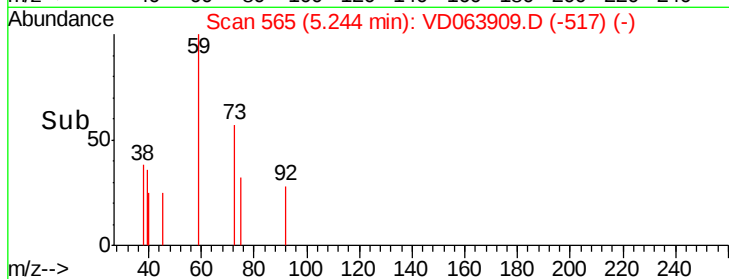
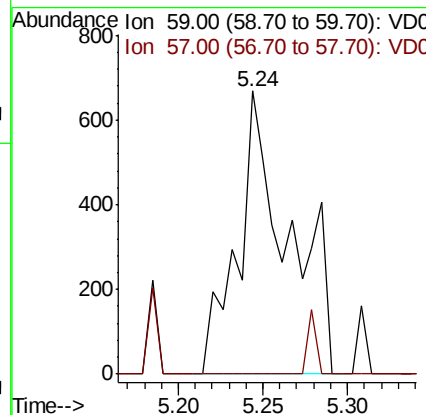
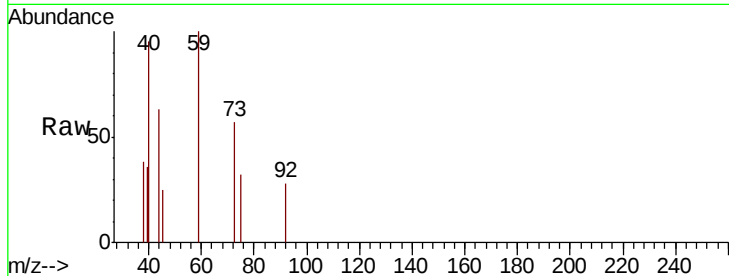




#11
Tert butyl alcohol
Concen: 2.835 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

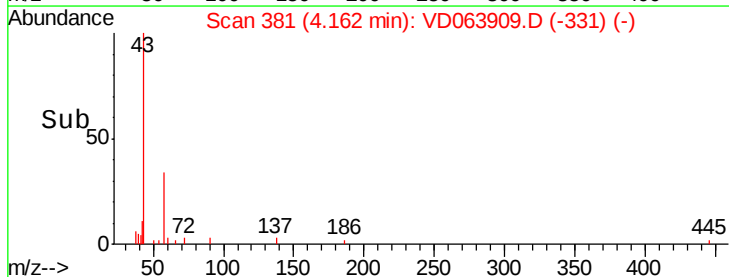
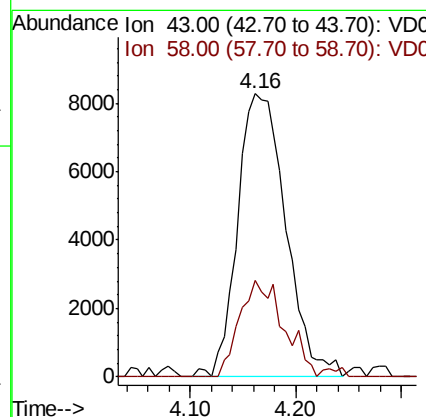
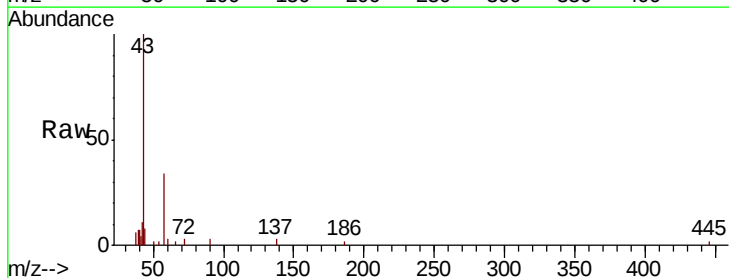
Instrument :
MSVOA_D
ClientSampleId :

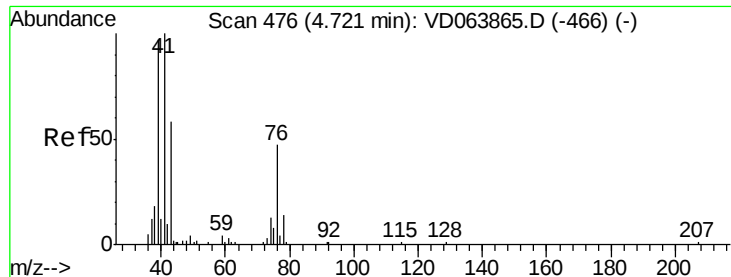
Tot Ion: 59 Resp: 1391
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 53.964 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

Tgt Ion: 43 Resp: 26133
Ion Ratio Lower Upper
43 100
58 34.0 26.2 39.4

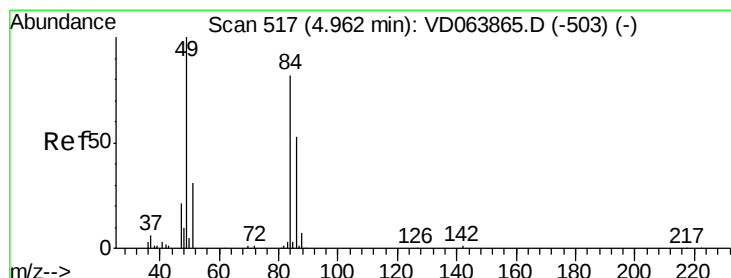
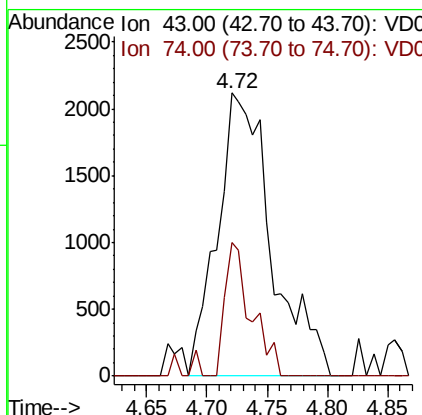
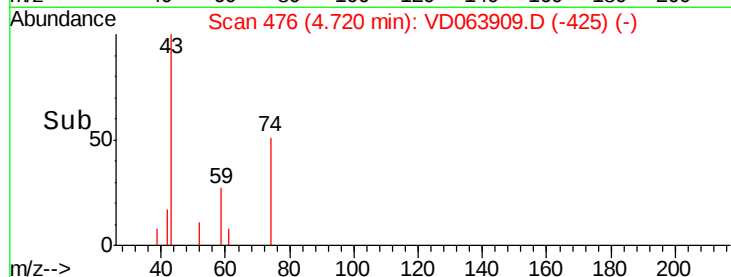
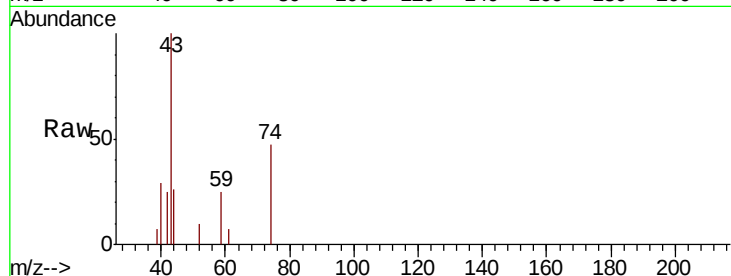




#18
Methyl Acetate
Concen: 6.996 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

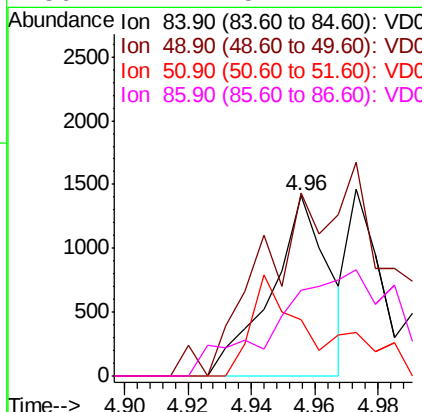
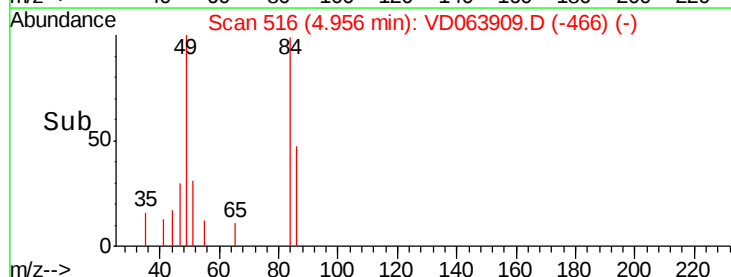
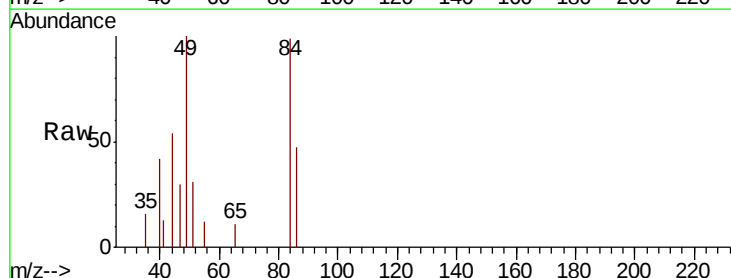
Instrument :
MSVOA_D
ClientSampled :

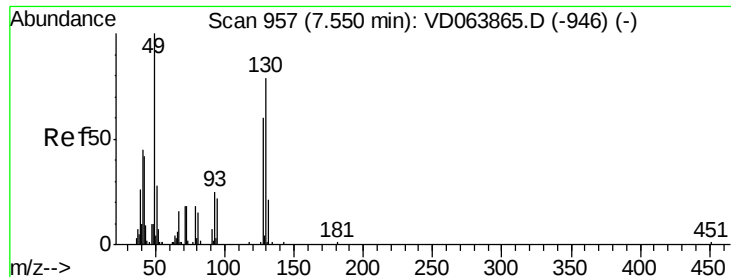
Tot Ion: 43 Resp: 6626
Ion Ratio Lower Upper
43 100
74 22.7 20.8 31.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

Tgt Ion: 84 Resp: 1785
Ion Ratio Lower Upper
84 100
49 84.1 97.3 145.9#
51 20.2 30.1 45.1#
86 47.7 51.4 77.2#

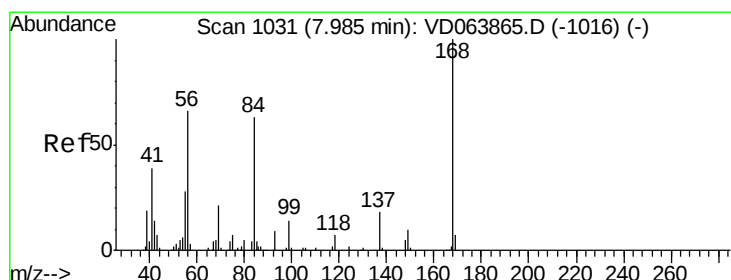
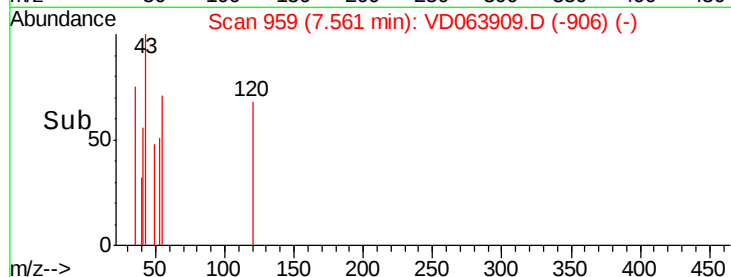
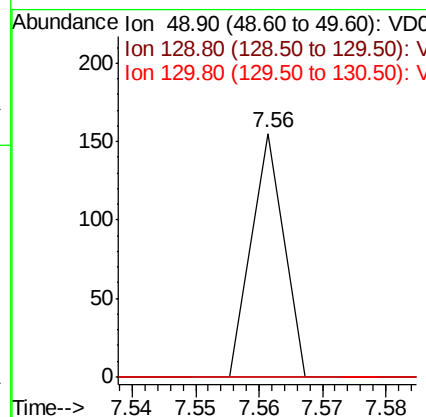
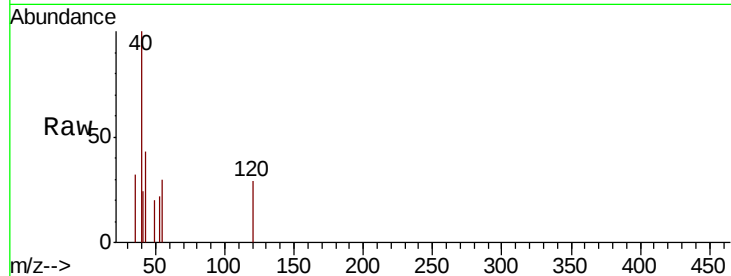




#28
Bromochloromethane
Concen: 1.906 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

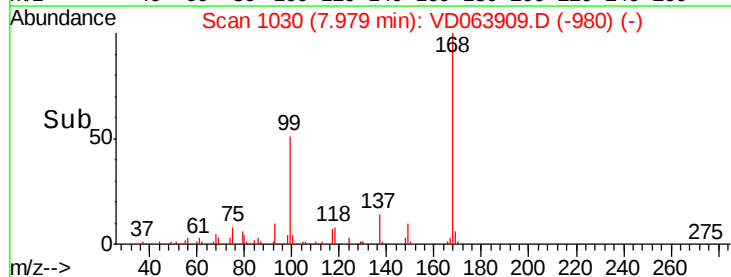
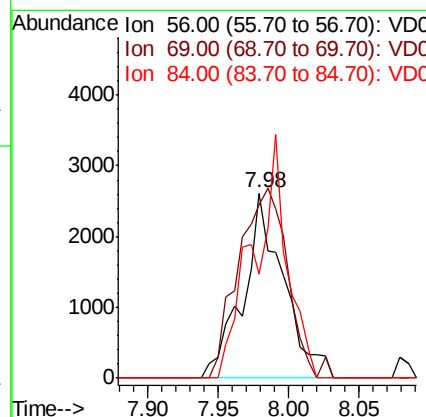
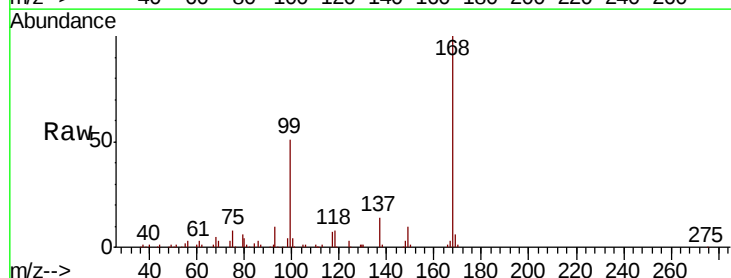
Instrument :
MSVOA_D
ClientSampleId :

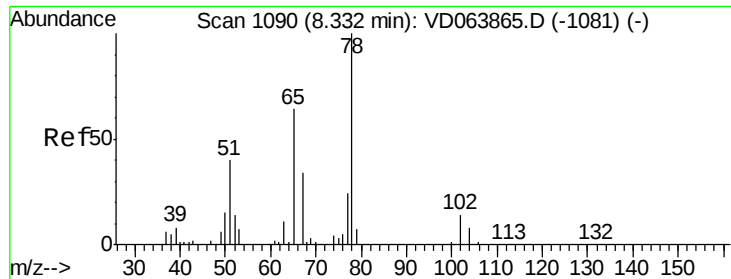
Tot Ion: 49 Resp: 55
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

Tgt Ion: 56 Resp: 5229
Ion Ratio Lower Upper
56 100
69 93.4 25.0 37.4#
84 56.3 76.3 114.5#

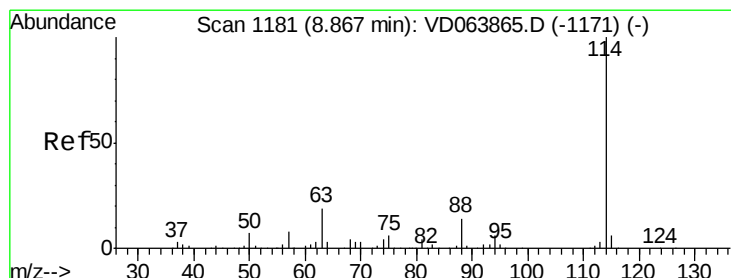
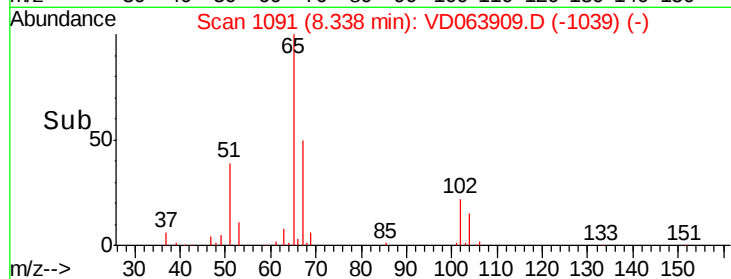
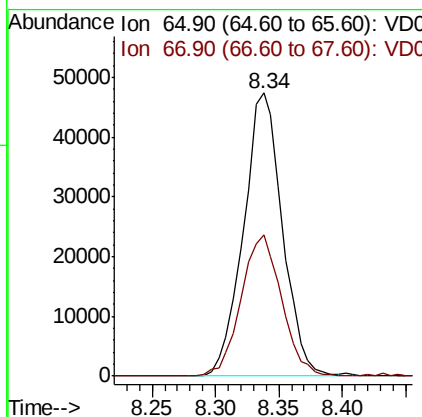
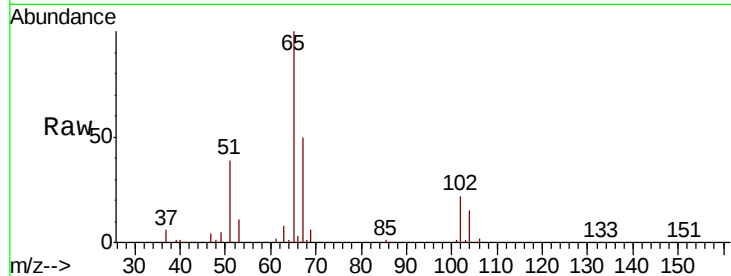




#33
 1,2-Dichloroethane-d4
 Concen: 54.531 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063909.D
 Acq: 10 Oct 2019 14:45

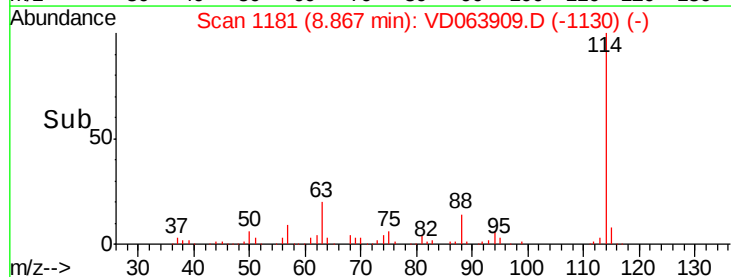
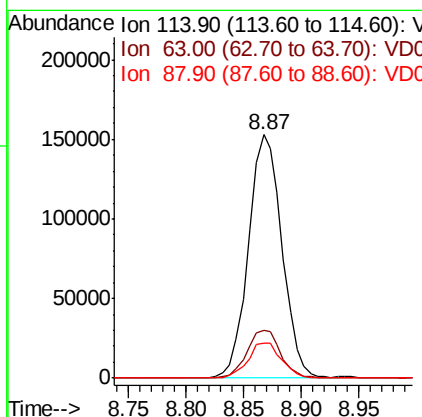
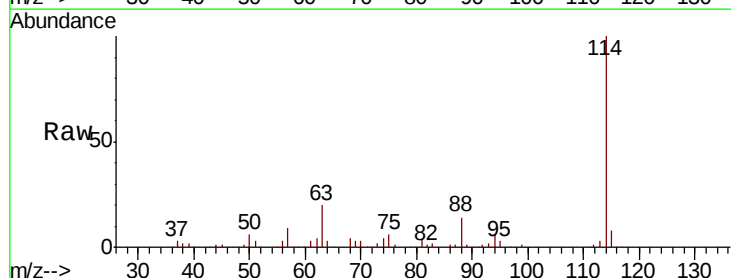
Instrument :
 MSVOA_D
 ClientSampleId :

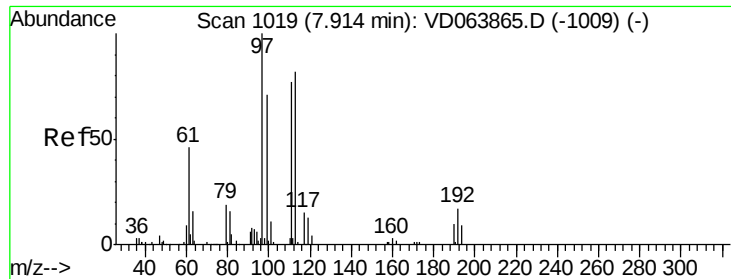
Tot Ion: 65 Resp: 101431
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063909.D
 Acq: 10 Oct 2019 14:45

Tgt Ion: 114 Resp: 309601
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 14.2 0.0 27.4

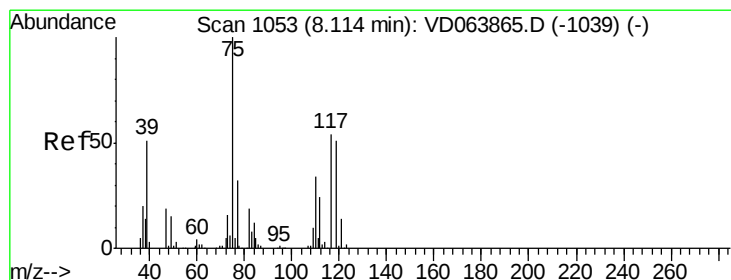
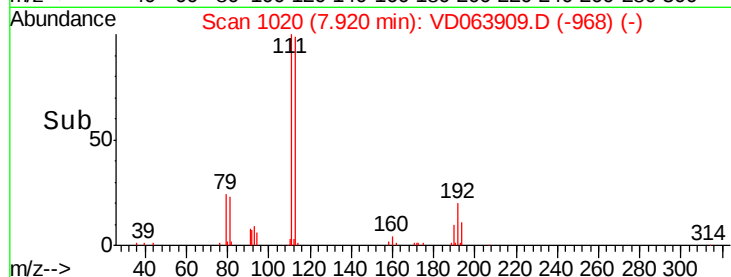
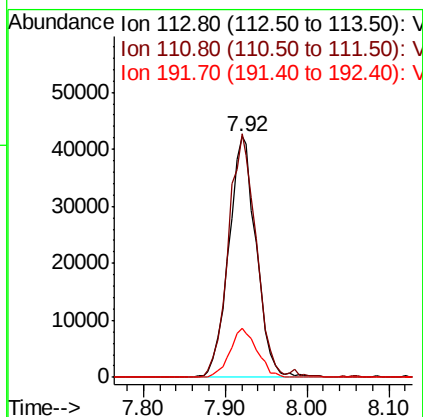
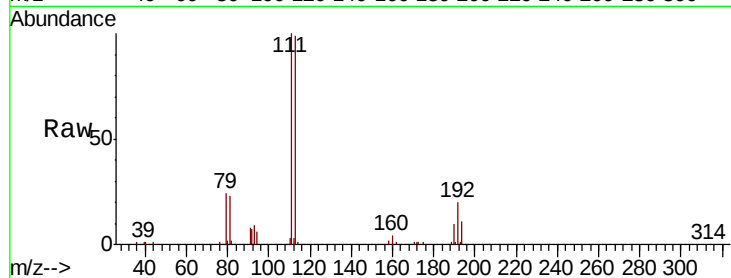




#35
Dibromofluoromethane
Concen: 52.214 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

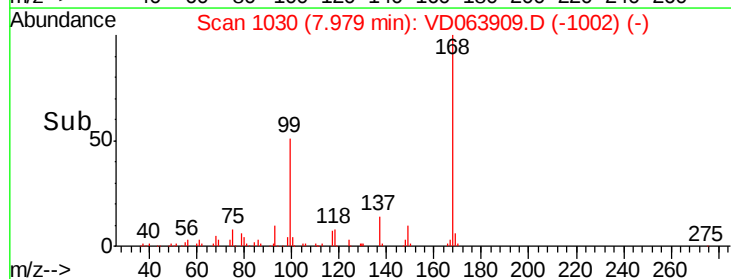
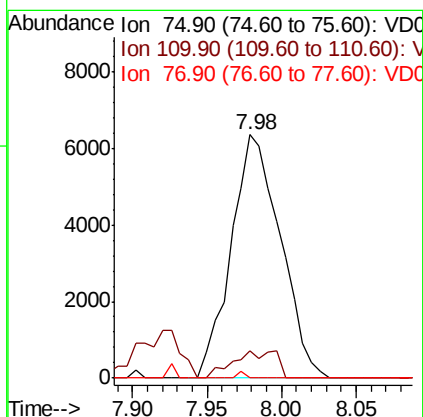
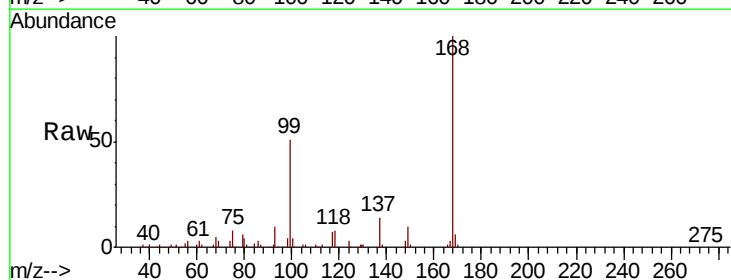
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ClientSampled :

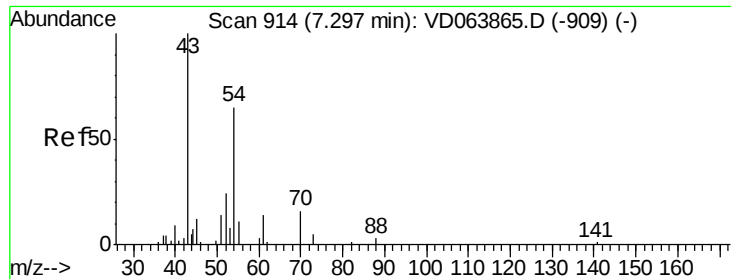
Tot Ion:113 Resp: 98793
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 20.0 17.1 25.7



#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

Tgt Ion: 75 Resp: 14593
Ion Ratio Lower Upper
75 100
110 0.0 17.4 52.3#
77 0.5 25.4 38.0#

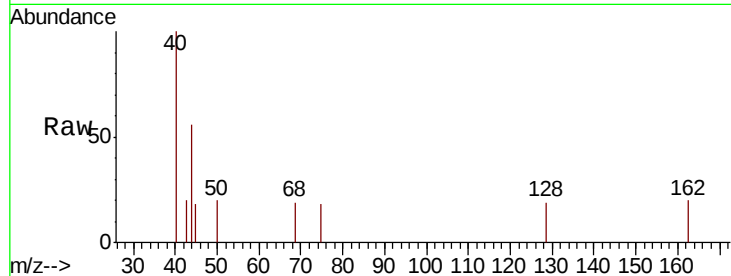




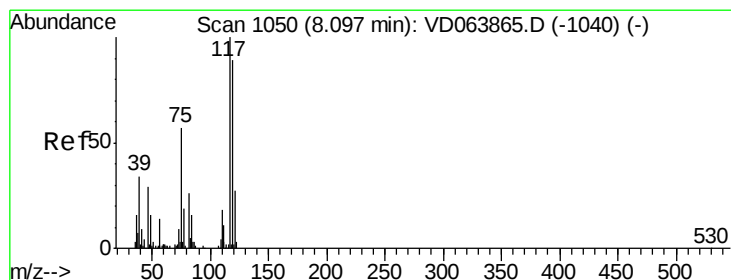
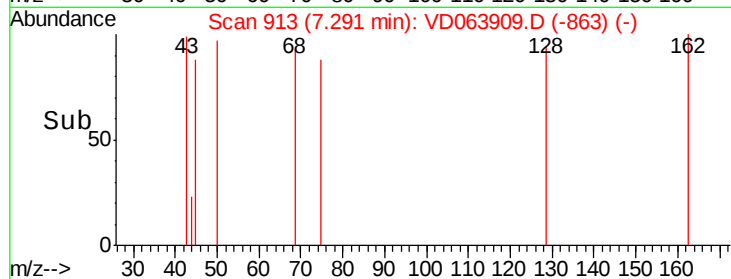
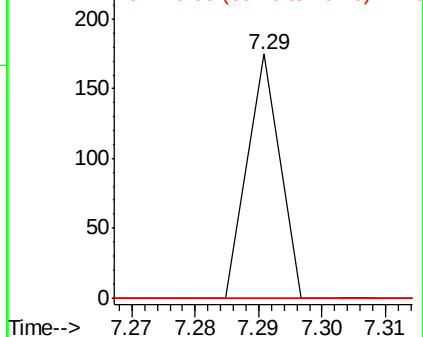
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

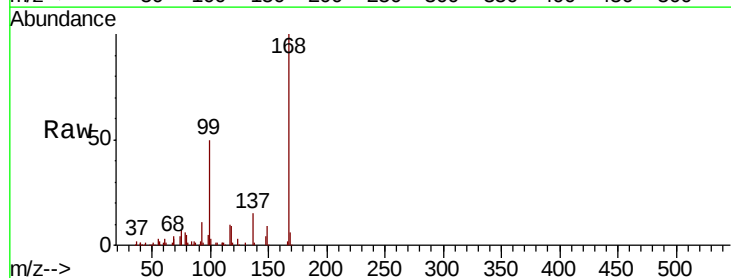


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

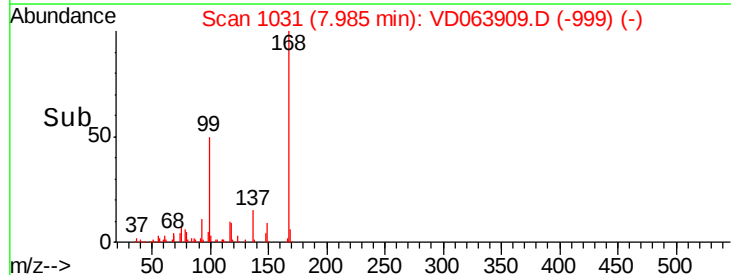
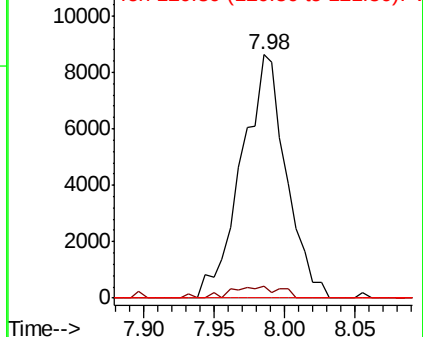


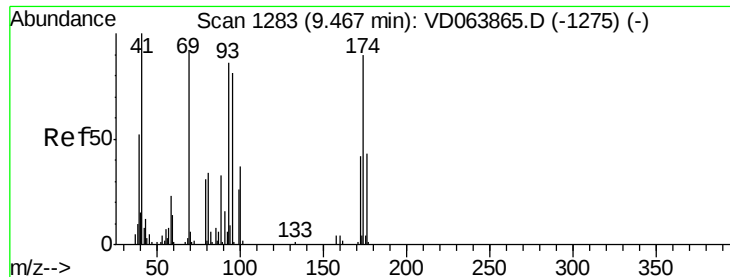
#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD063909.D
Acq: 10 Oct 2019 14:45

Tgt Ion: 117 Resp: 19131
Ion Ratio Lower Upper
117 100
119 5.1 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

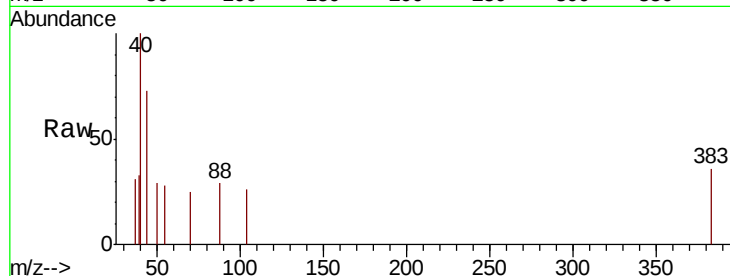




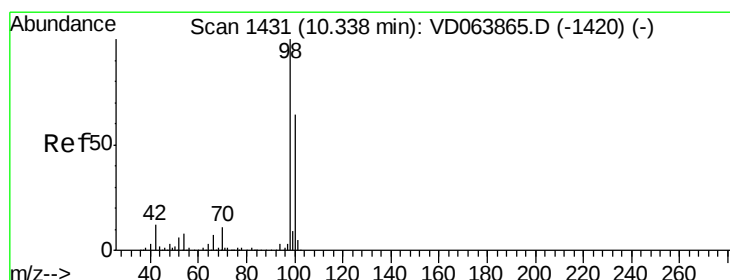
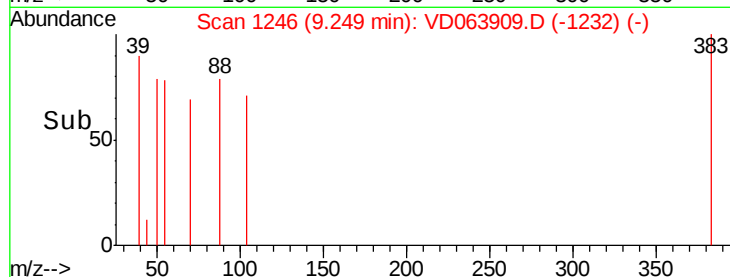
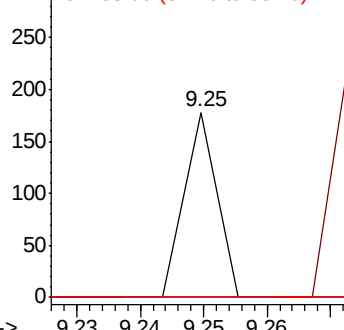
#49
 1,4-Dioxane
 Concen: 4.082 ug/l
 RT: 9.25 min Scan# 1246
 Delta R.T. -0.22 min
 Lab File: VD063909.D
 Acq: 10 Oct 2019 14:45

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#

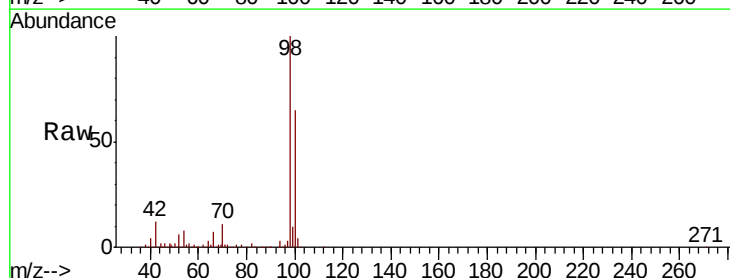


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

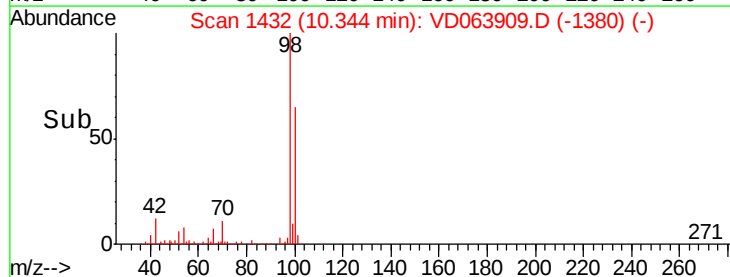
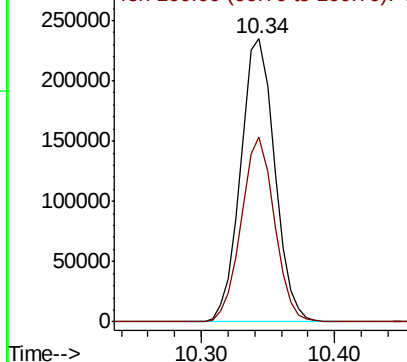


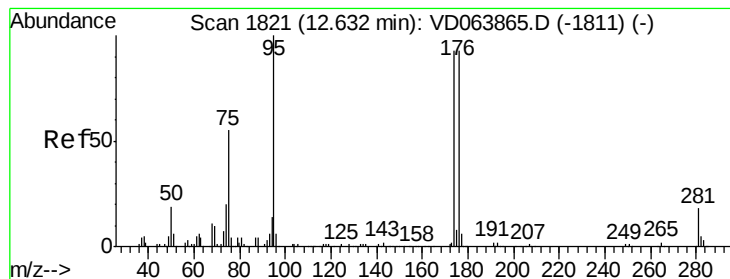
#50
 Toluene-d8
 Concen: 54.153 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD063909.D
 Acq: 10 Oct 2019 14:45

Tgt Ion: 98 Resp: 415872
 Ion Ratio Lower Upper
 98 100
 100 63.6 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: 48.658 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063909.D

Acq: 10 Oct 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

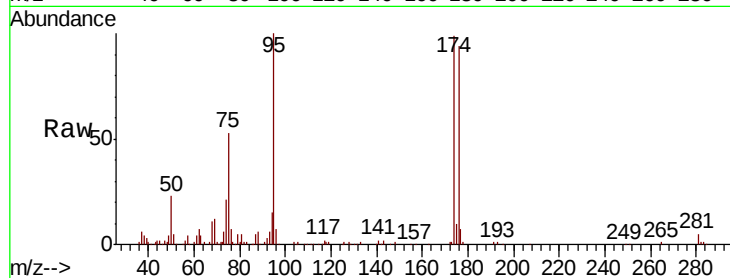
Tot Ion: 95 Resp: 129852

Ion Ratio Lower Upper

95 100

174 96.3 0.0 186.4

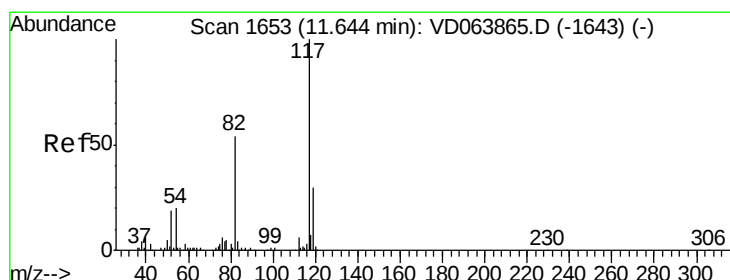
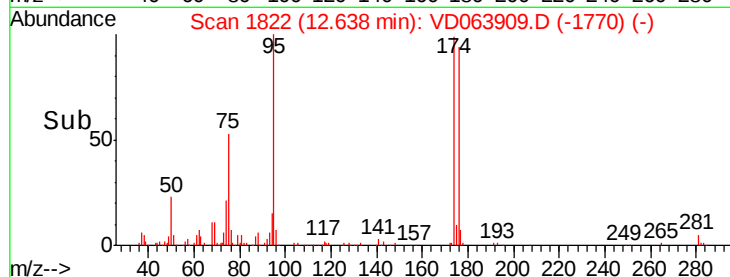
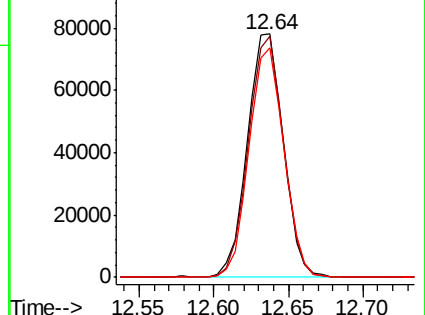
176 91.6 0.0 184.2



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: VD063909.D

Acq: 10 Oct 2019 14:45

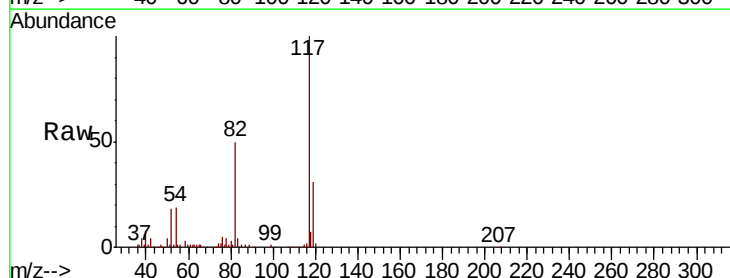
Tgt Ion: 117 Resp: 306670

Ion Ratio Lower Upper

117 100

82 50.3 42.8 64.2

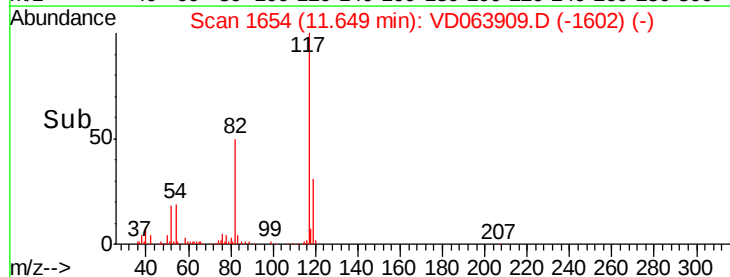
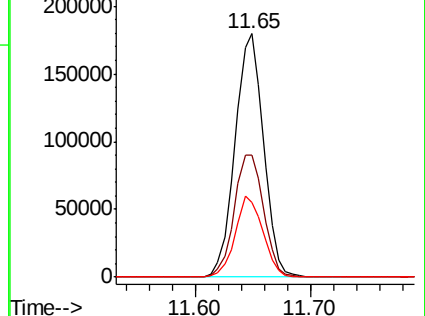
119 30.9 24.4 36.6

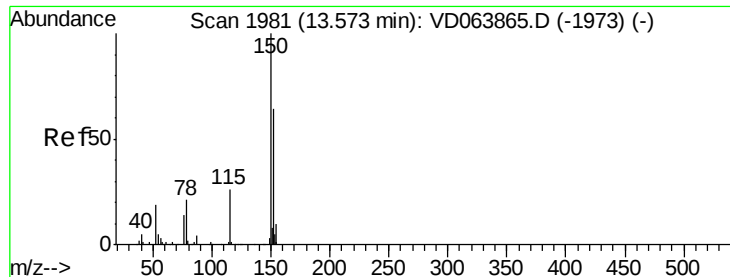


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD063909.D

Acq: 10 Oct 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

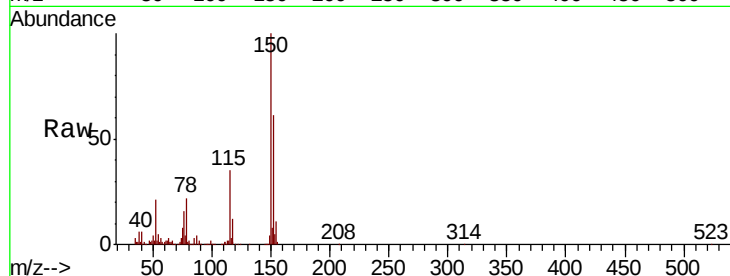
Tot Ion:152 Resp: 153879

Ion Ratio Lower Upper

152 100

115 55.3 25.9 77.7

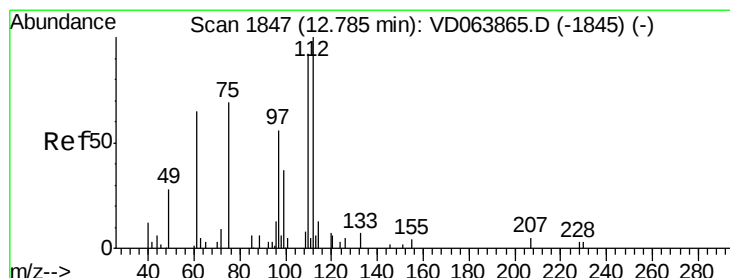
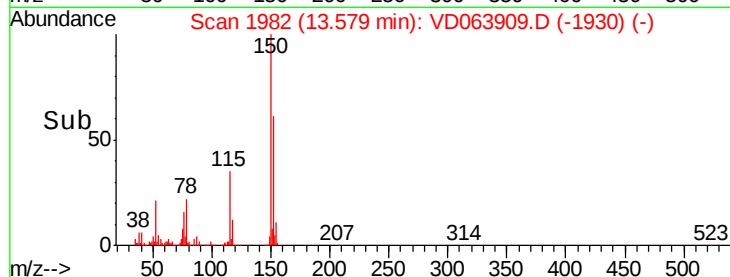
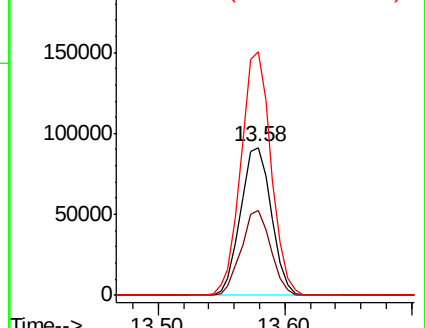
150 160.7 0.0 344.2



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: 70.511 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063909.D

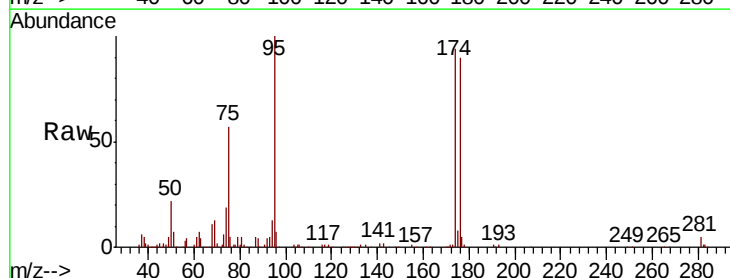
Acq: 10 Oct 2019 14:45

Tgt Ion: 75 Resp: 72671

Ion Ratio Lower Upper

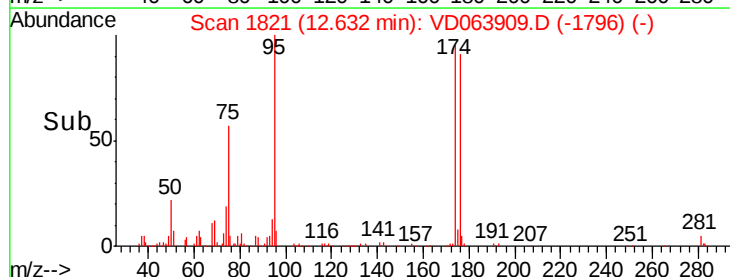
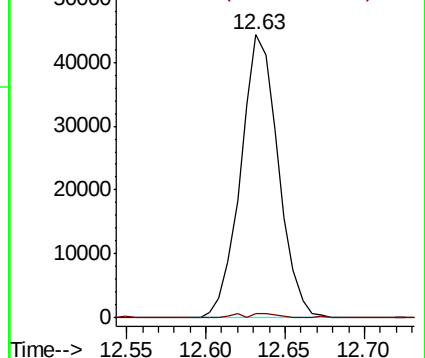
75 100

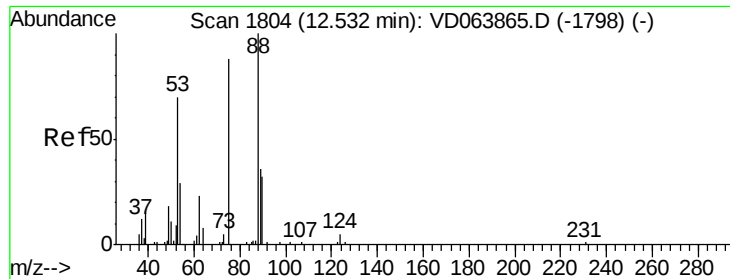
77 1.0 0.0 0.0#



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: 124.776 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063909.D

Acq: 10 Oct 2019 14:45

Instrument :

MSVOA_D

ClientSampleId :

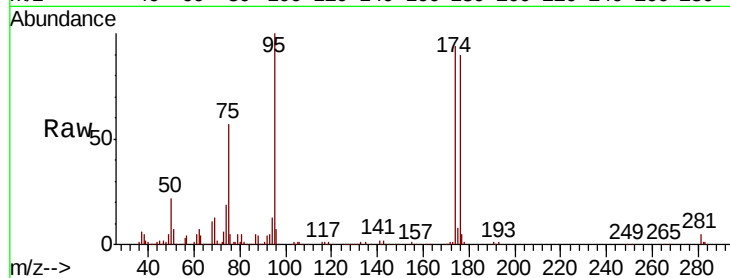
Tot Ion: 75 Resp: 72671

Ion Ratio Lower Upper

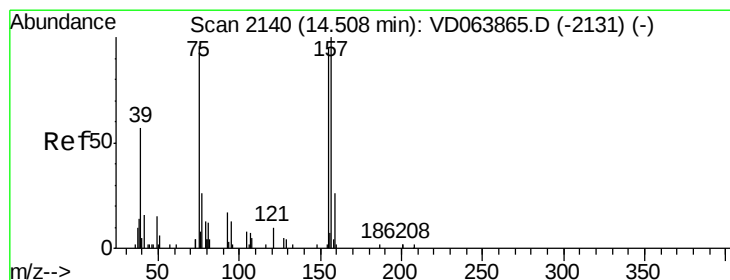
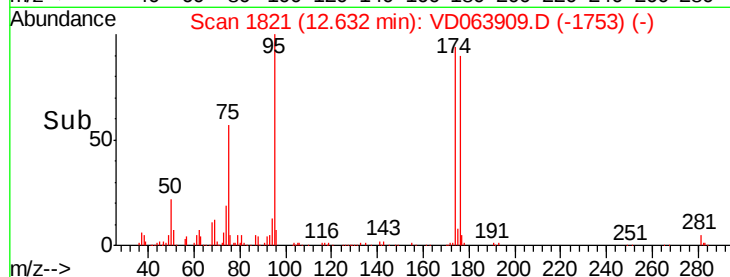
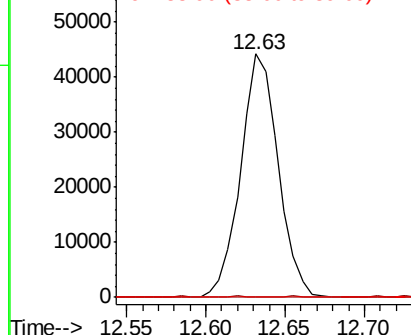
75 100

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: 14.46 min Scan# 2132

Delta R.T. -0.05 min

Lab File: VD063909.D

Acq: 10 Oct 2019 14:45

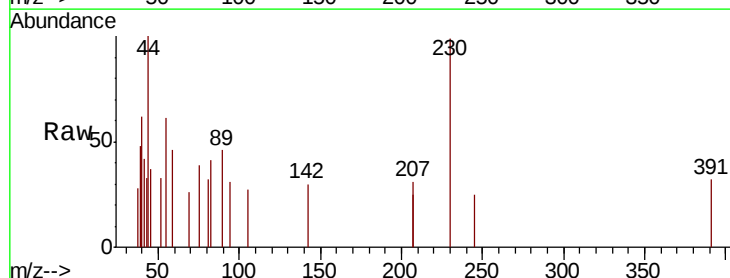
Tgt Ion: 75 Resp: 164

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

