

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064044.D
 Acq On : 24 Oct 2019 13:57
 Operator : VA/SY
 Sample : K5512-01RE
 Misc : 3.85G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:57:49 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

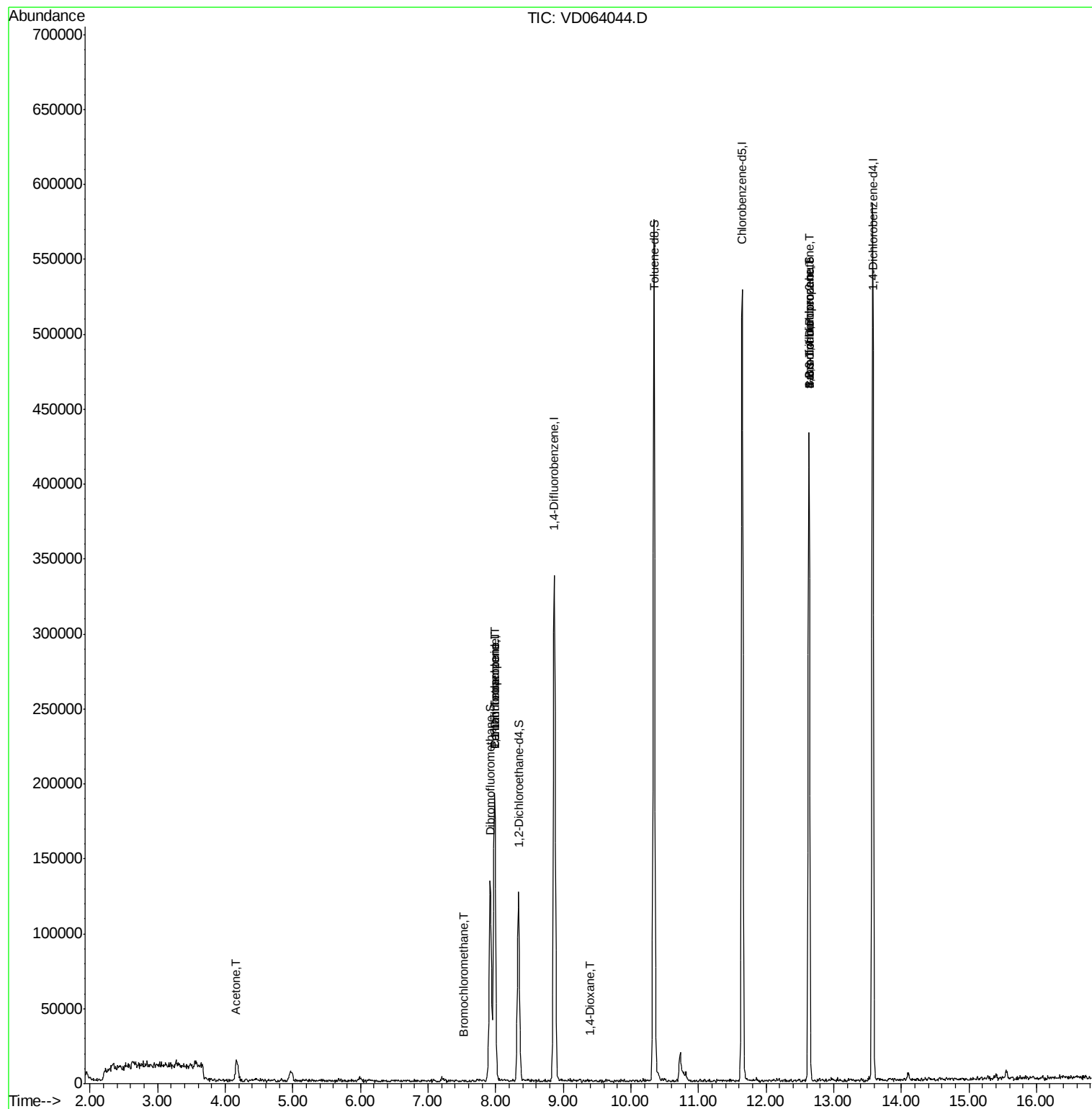
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	143912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	291913	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	305780	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143291	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	95367	68.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.14%	
35) Dibromofluoromethane	7.92	113	90956	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.34	98	387308	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
62) 4-Bromofluorobenzene	12.64	95	122603	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.21	50	559	Below Cal		92
11) Tert butyl alcohol	5.23	59	285	Below Cal	#	71
16) Acetone	4.17	43	24086	66.029	ug/l #	78
28) Bromochloromethane	7.53	49	96	1.961	ug/l #	10
31) Cyclohexane	7.97	56	4364	Below Cal	#	59
36) 1,1-Dichloropropene	7.98	75	10935	4.097	ug/l #	50
37) Ethyl Acetate	7.34	43	191	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	16169	5.995	ug/l #	20
49) 1,4-Dioxane	9.38	88	125	8.589	ug/l #	60
71) Bromoform	12.63	173	1922	1.583	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	65908	68.674	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	65908	121.525	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.42	75	67	Below Cal	#	1

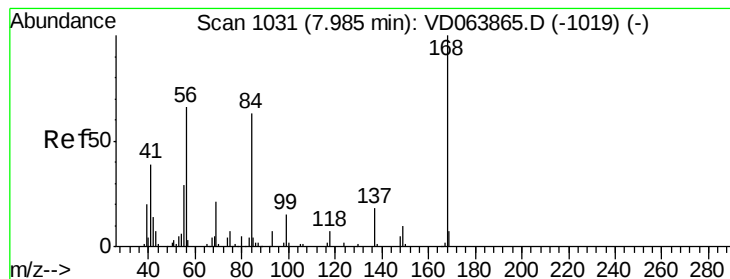
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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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: VD064044.D

Acq: 24 Oct 2019 13:57

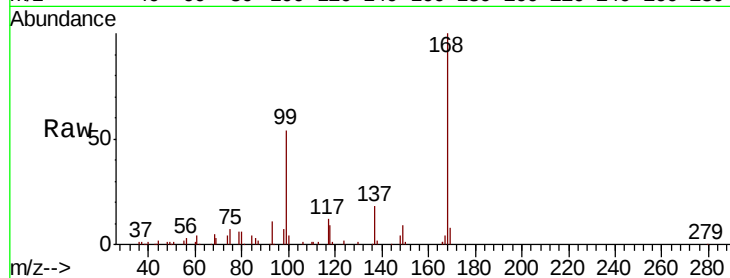
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 143912

Ion Ratio Lower Upper

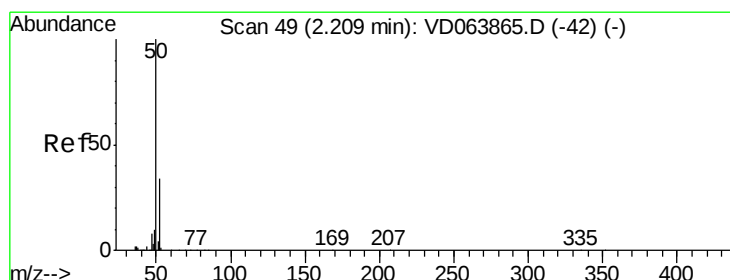
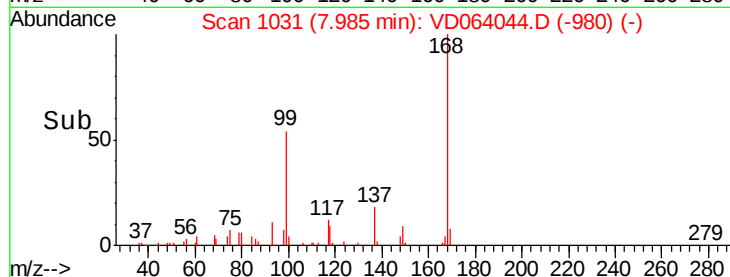
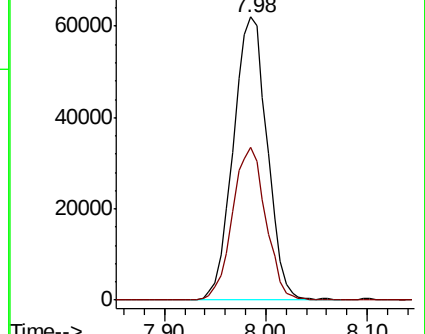
168 100

99 53.8 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# 50

Delta R.T. 0.01 min

Lab File: VD064044.D

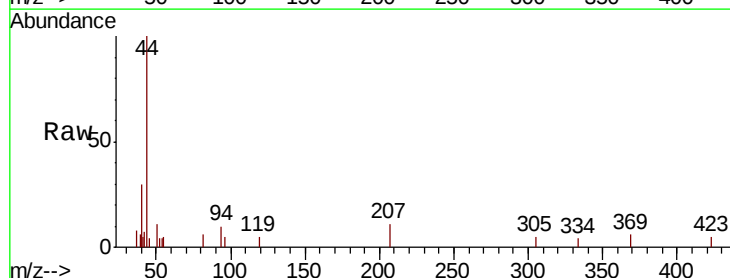
Acq: 24 Oct 2019 13:57

Tgt Ion: 50 Resp: 559

Ion Ratio Lower Upper

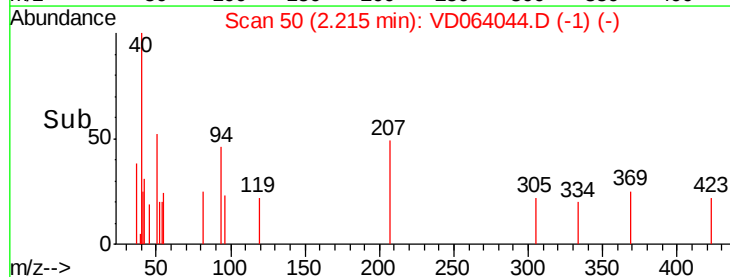
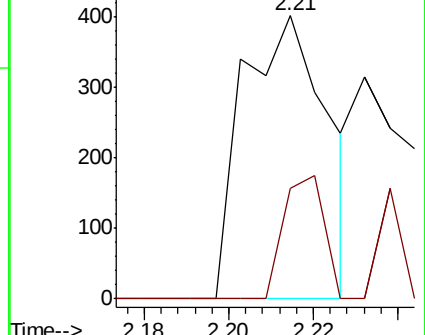
50 100

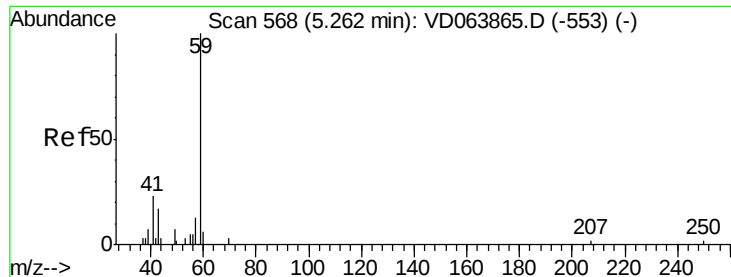
52 39.2 27.5 41.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



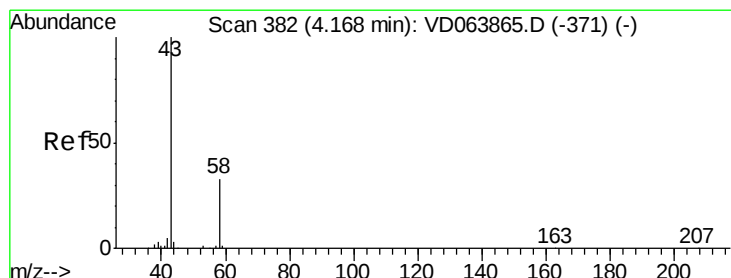
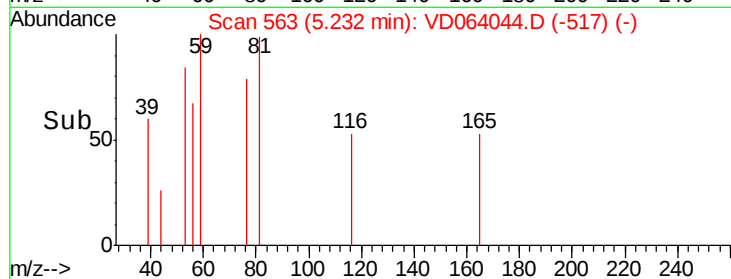
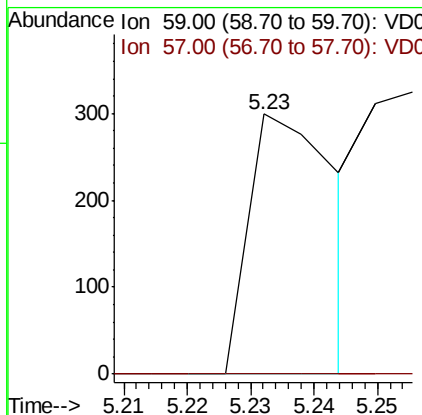
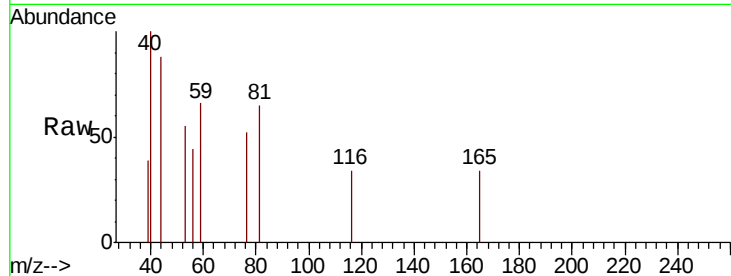


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. -0.03 min
 Lab File: VD064044.D
 Acq: 24 Oct 2019 13:57

Instrument :
 MSVOA_D
 ClientSampleID :

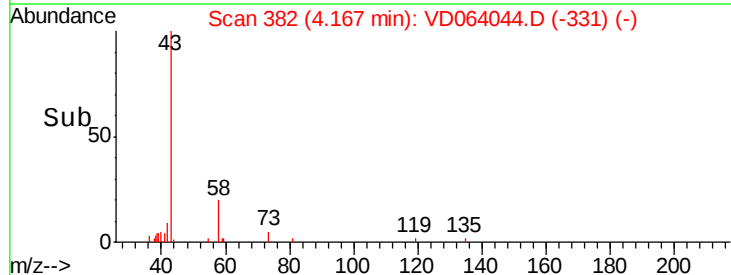
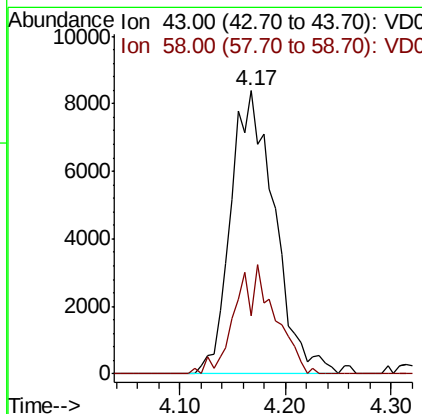
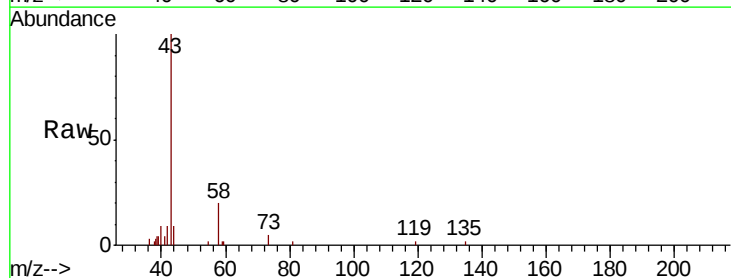
Tot Ion: 59 Resp: 285
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

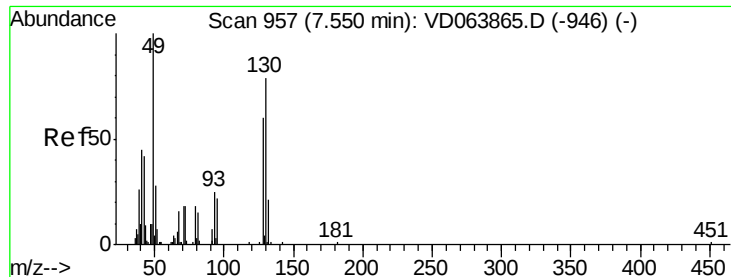


#16

Acetone
 Concen: 66.029 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD064044.D
 Acq: 24 Oct 2019 13:57

Tgt Ion: 43 Resp: 24086
 Ion Ratio Lower Upper
 43 100
 58 20.4 26.2 39.4#

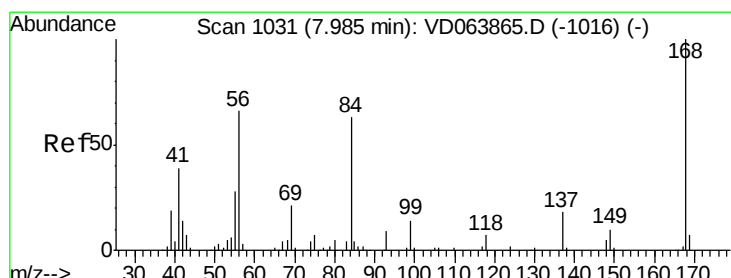
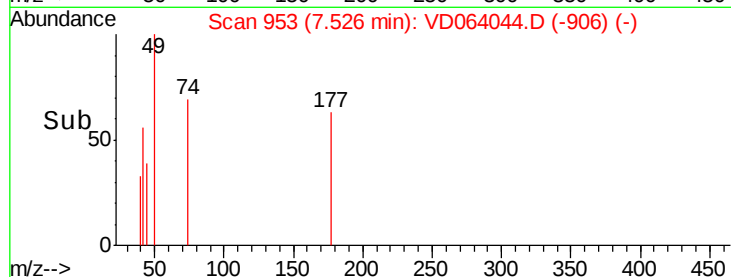
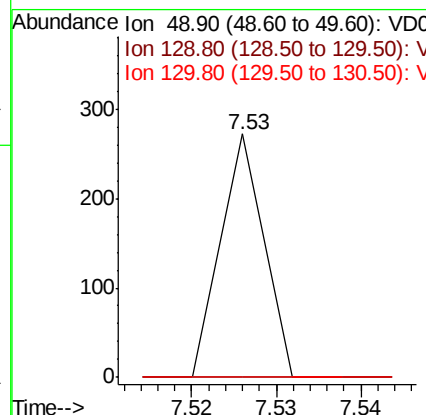
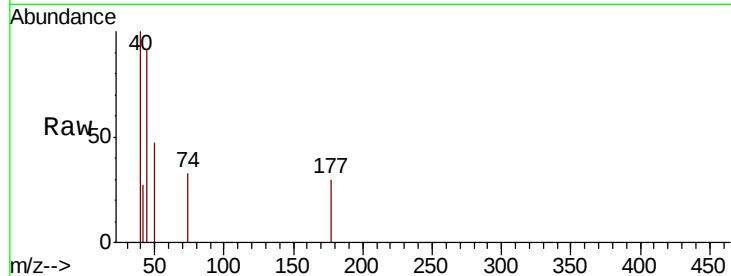




#28
Bromochloromethane
Concen: 1.961 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.02 min
Lab File: VD064044.D
Acq: 24 Oct 2019 13:57

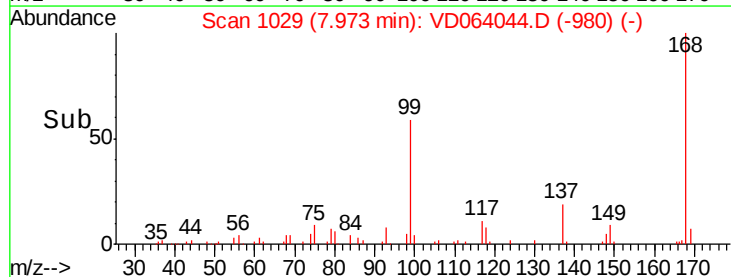
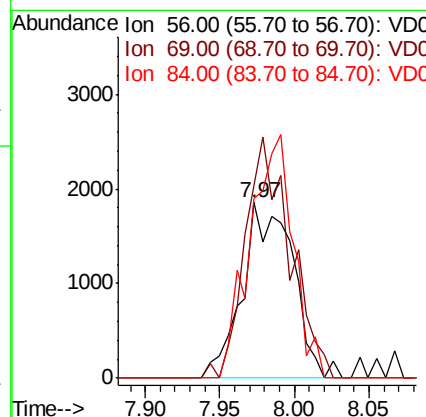
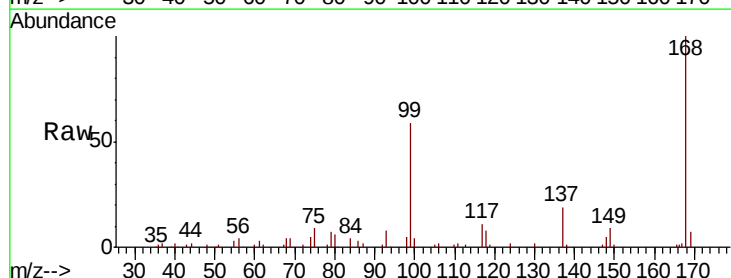
Instrument :
MSVOA_D
ClientSampleId :

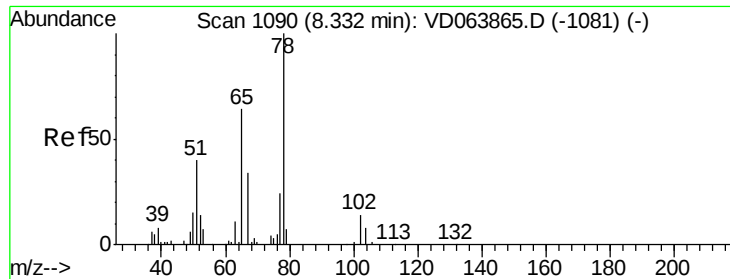
Tot Ion: 49 Resp: 96
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064044.D
Acq: 24 Oct 2019 13:57

Tgt Ion: 56 Resp: 4364
Ion Ratio Lower Upper
56 100
69 109.9 25.0 37.4#
84 102.8 76.3 114.5

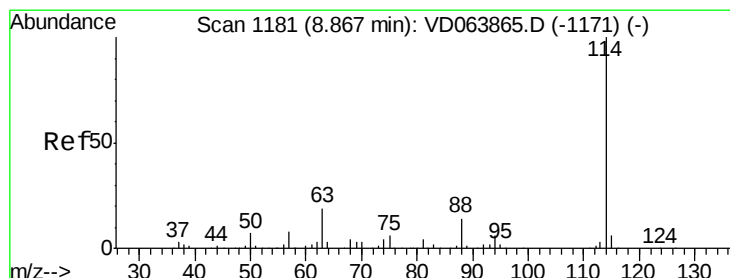
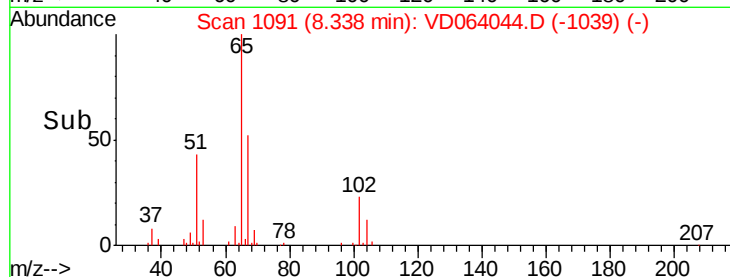
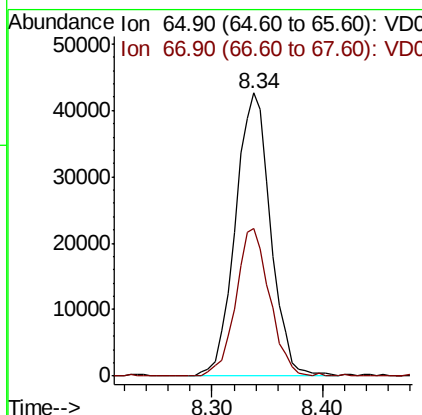
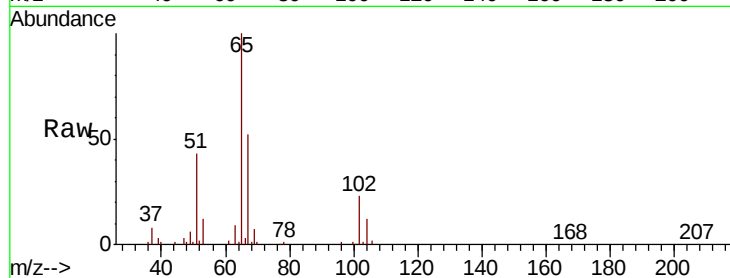




#33
 1,2-Dichloroethane-d4
 Concen: 68.066 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064044.D
 Acq: 24 Oct 2019 13:57

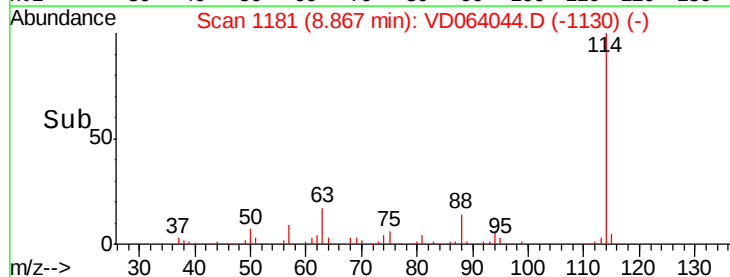
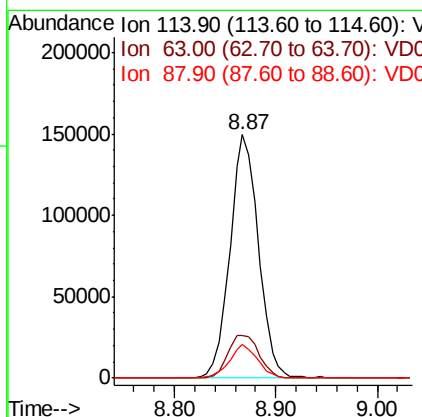
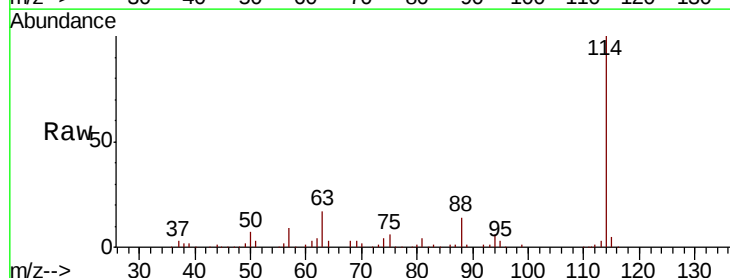
Instrument :
 MSVOA_D
 ClientSampleID :

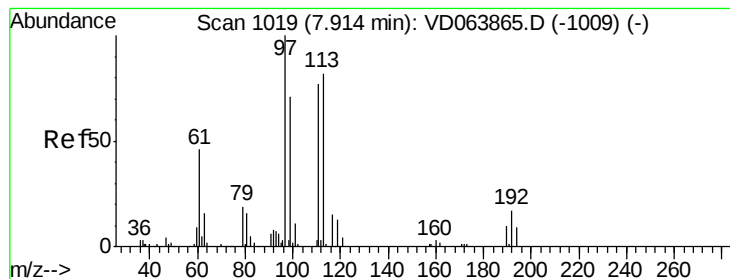
Tot Ion: 65 Resp: 95367
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064044.D
 Acq: 24 Oct 2019 13:57

Tgt Ion: 114 Resp: 291913
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 38.4
 88 13.7 0.0 27.4





#35

Dibromofluoromethane

Concen: 50.985 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064044.D

Acq: 24 Oct 2019 13:57

Instrument :
MSVOA_D
ClientSampled :

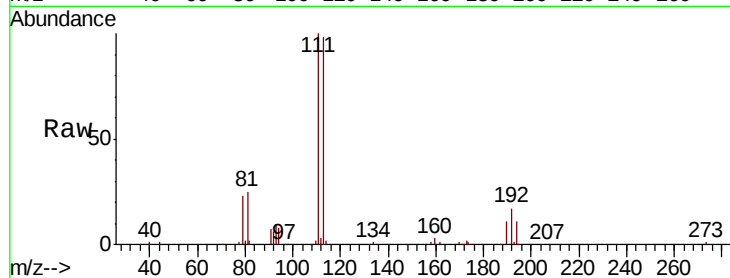
Tot Ion:113 Resp: 90956

Ion Ratio Lower Upper

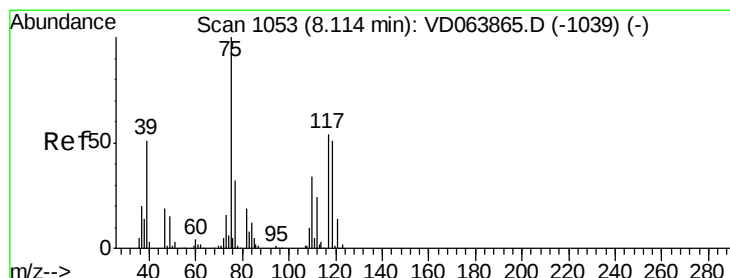
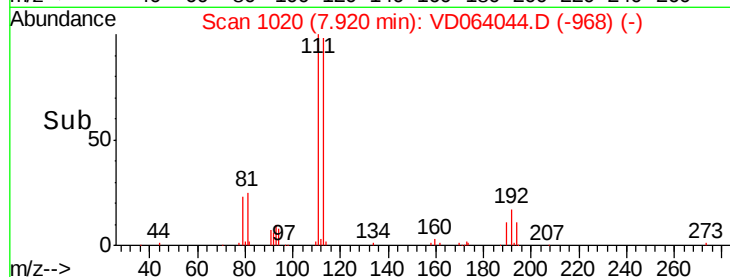
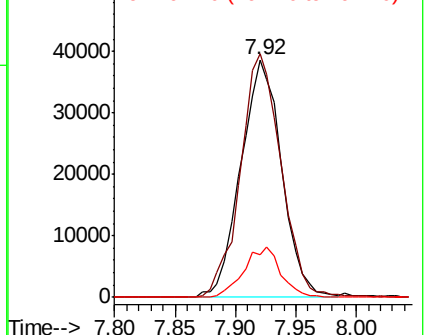
113 100

111 101.6 82.6 123.8

192 19.0 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: 4.097 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064044.D

Acq: 24 Oct 2019 13:57

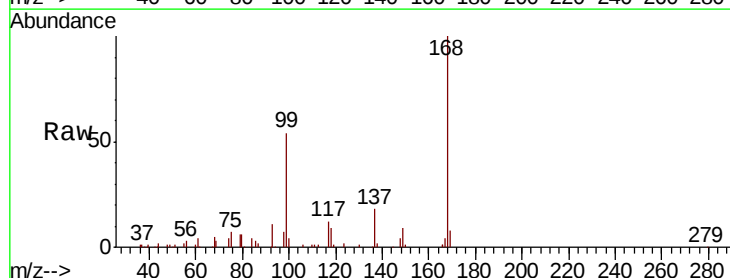
Tgt Ion: 75 Resp: 10935

Ion Ratio Lower Upper

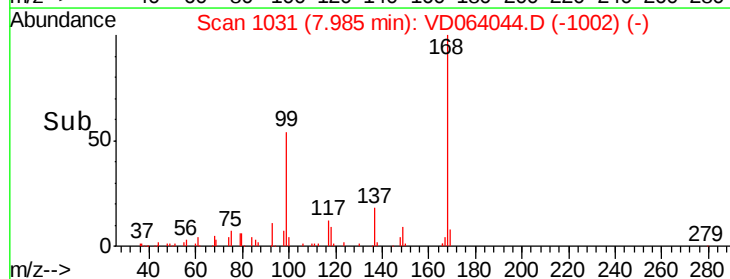
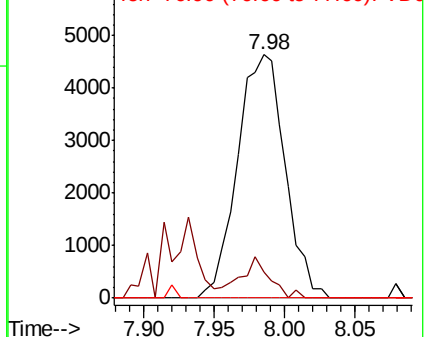
75 100

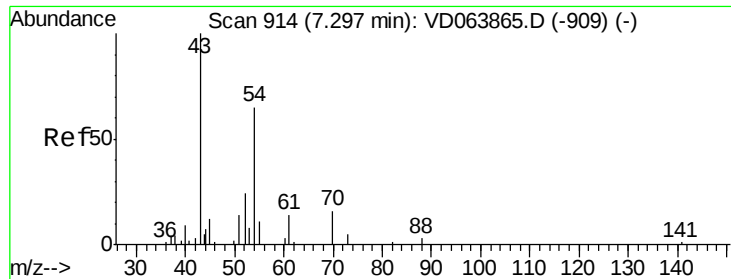
110 10.1 17.4 52.3#

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC

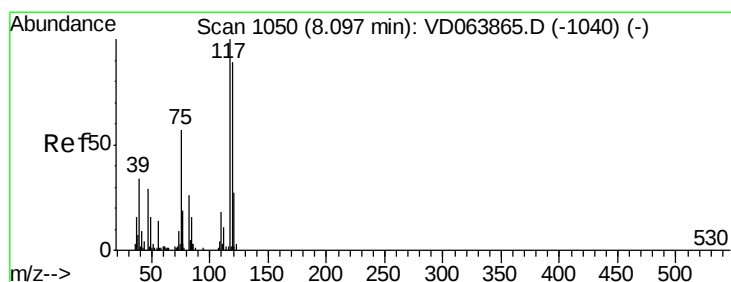
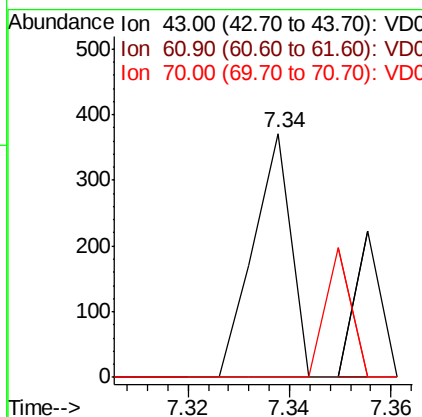
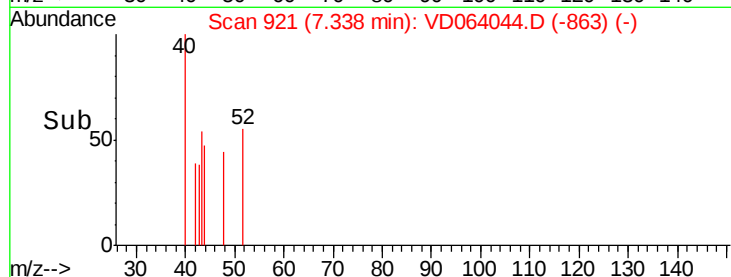
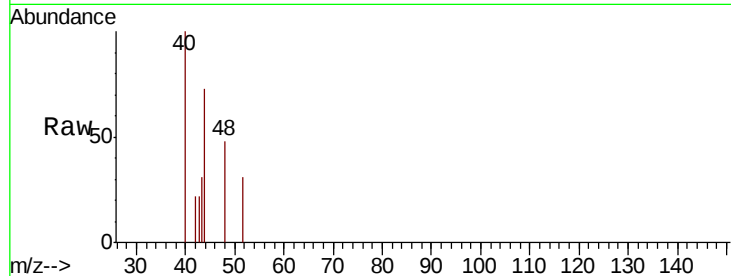




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.34 min Scan# 921
Delta R.T. 0.04 min
Lab File: VD064044.D
Acq: 24 Oct 2019 13:57

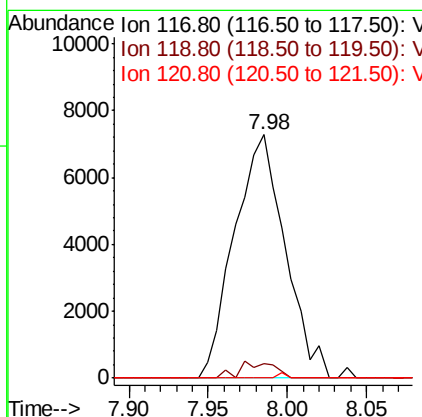
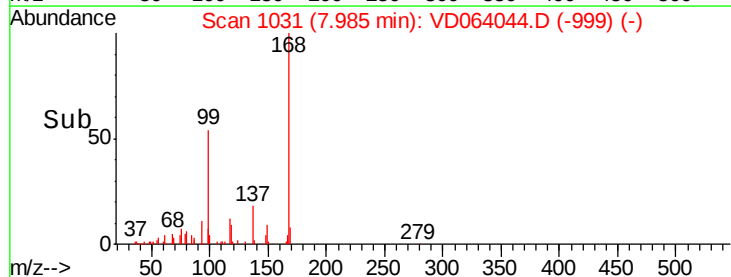
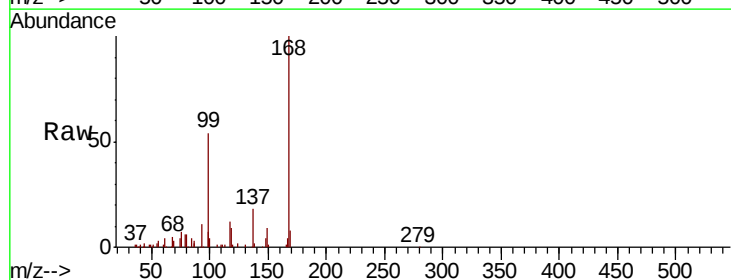
Instrument :
MSVOA_D
ClientSampled :

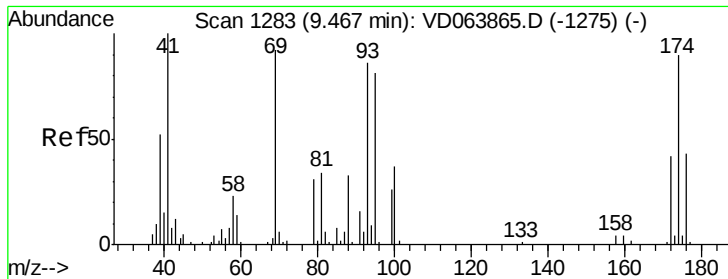
Tot Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.995 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064044.D
Acq: 24 Oct 2019 13:57

Tgt Ion: 117 Resp: 16169
Ion Ratio Lower Upper
117 100
119 5.8 70.8 106.2#
121 0.0 21.4 32.0#





#49

1,4-Dioxane

Concen: 8.589 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.08 min

Lab File: VD064044.D

Acq: 24 Oct 2019 13:57

Instrument :
MSVOA_D
ClientSampled :

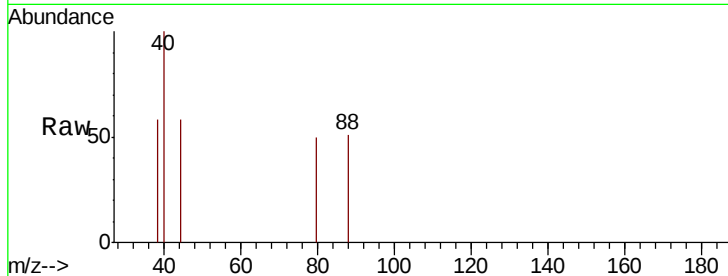
Tot Ion: 88 Resp: 125

Ion Ratio Lower Upper

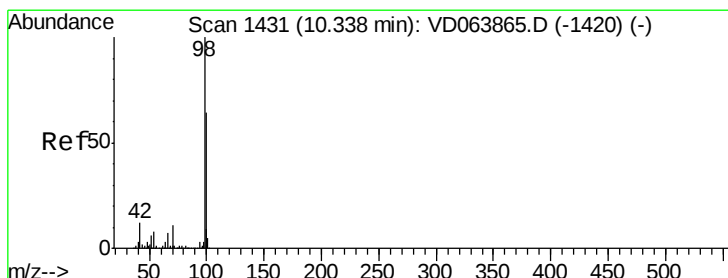
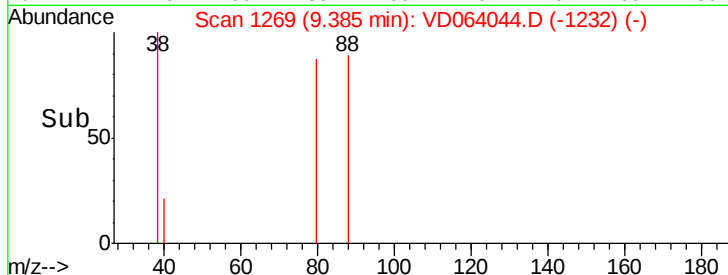
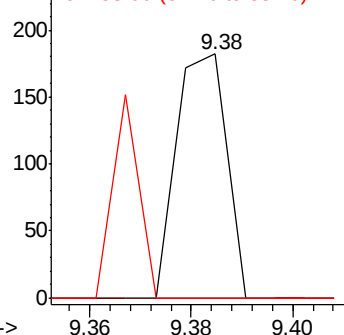
88 100

43 0.0 27.6 41.4#

58 43.2 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: 53.489 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064044.D

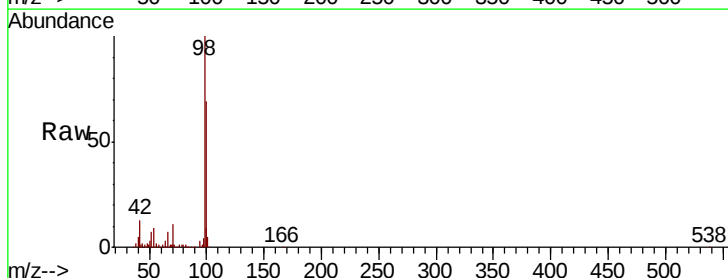
Acq: 24 Oct 2019 13:57

Tgt Ion: 98 Resp: 387308

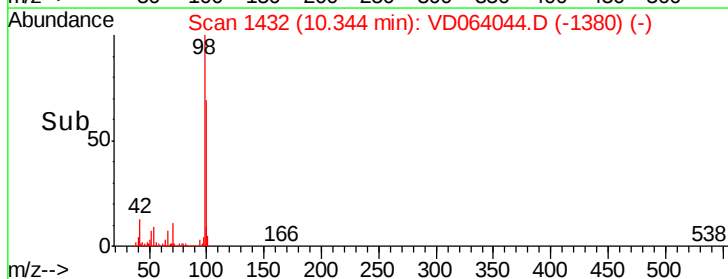
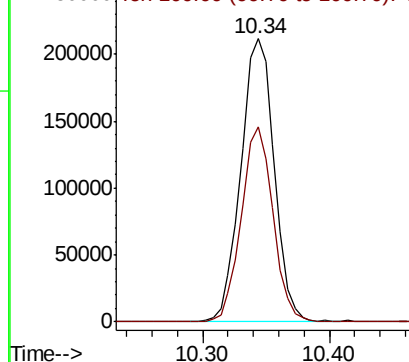
Ion Ratio Lower Upper

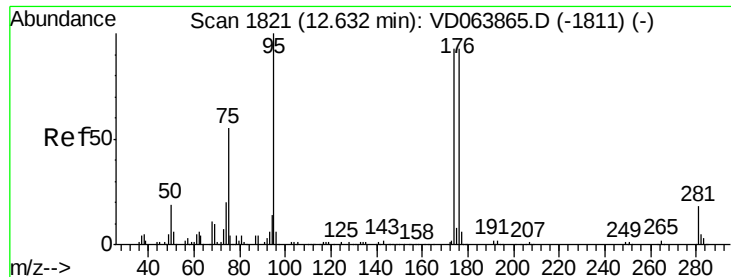
98 100

100 65.7 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: 48.726 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064044.D

Acq: 24 Oct 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

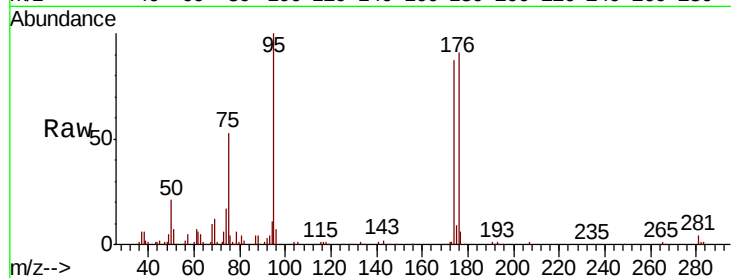
Tot Ion: 95 Resp: 122603

Ion Ratio Lower Upper

95 100

174 92.0 0.0 186.4

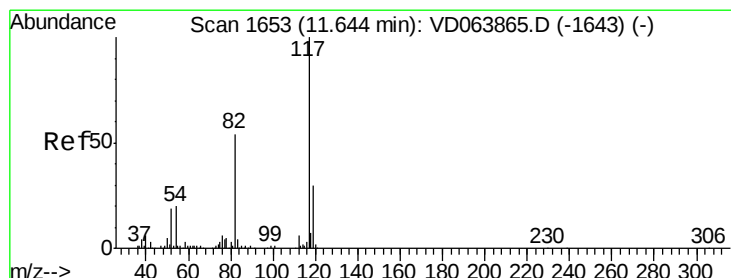
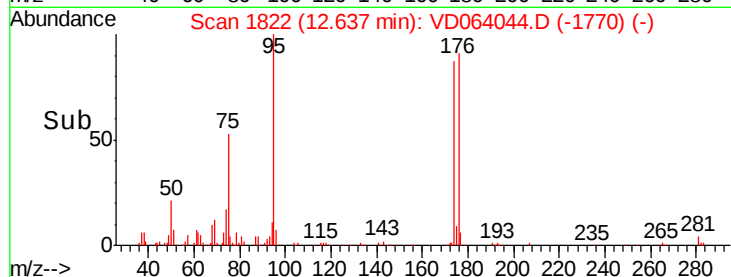
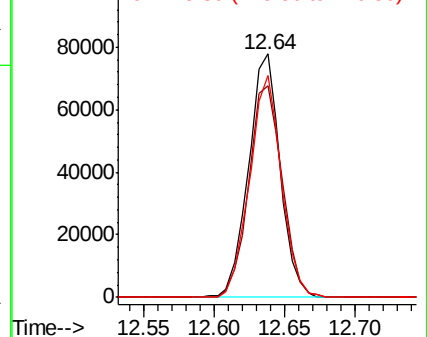
176 91.5 0.0 184.2



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: VD064044.D

Acq: 24 Oct 2019 13:57

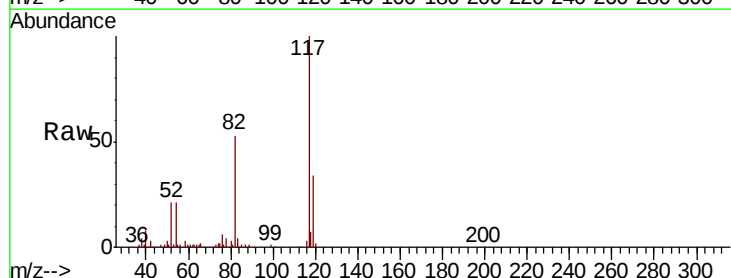
Tgt Ion: 117 Resp: 305780

Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

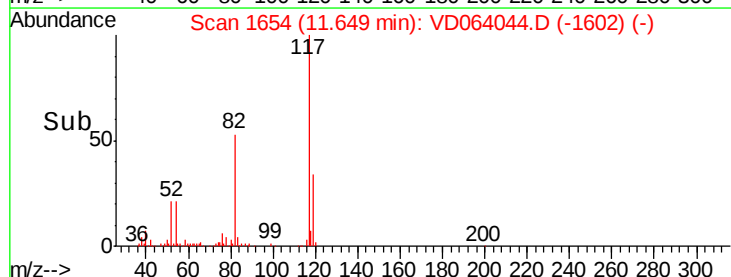
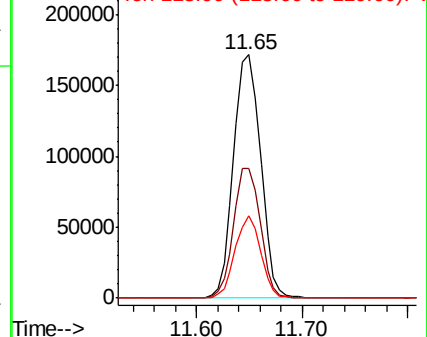
119 33.8 24.4 36.6

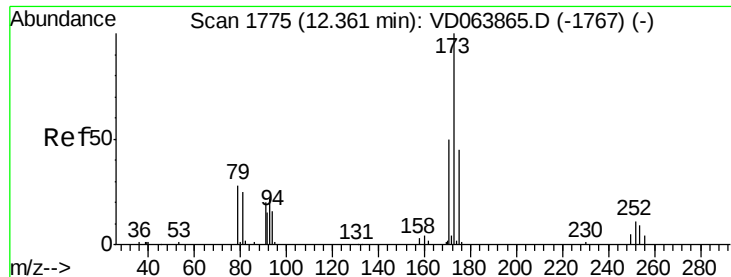


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.583 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD064044.D

Acq: 24 Oct 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

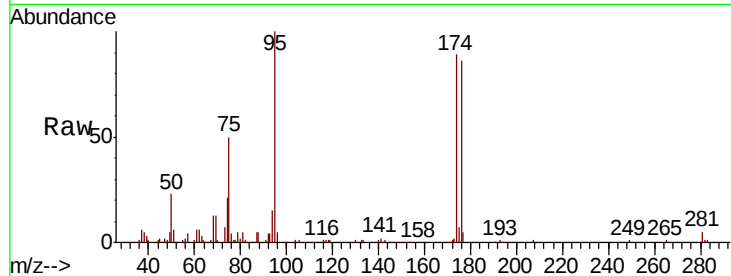
Tot Ion:173 Resp: 1922

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

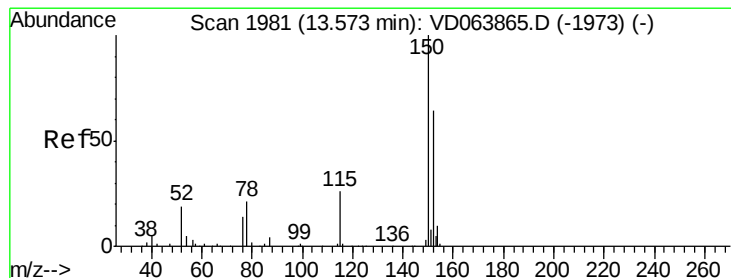
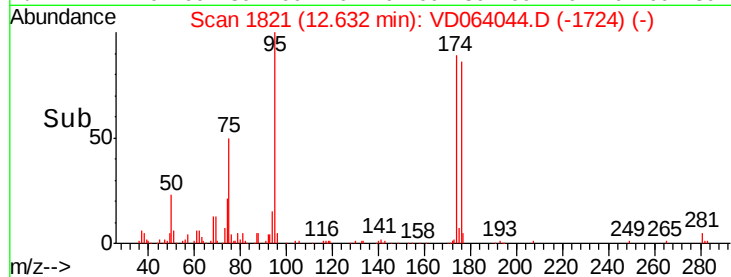
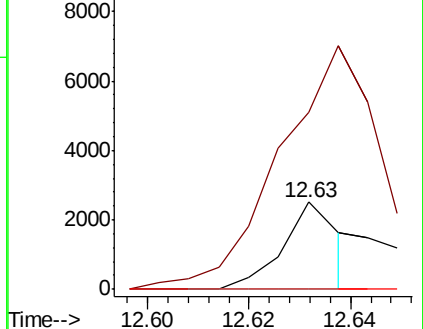
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD064044.D

Acq: 24 Oct 2019 13:57

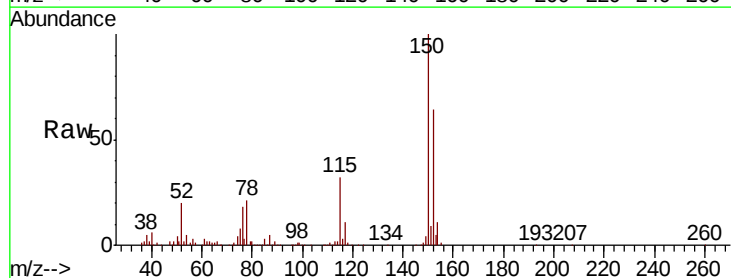
Tgt Ion:152 Resp: 143291

Ion Ratio Lower Upper

152 100

115 55.3 25.9 77.7

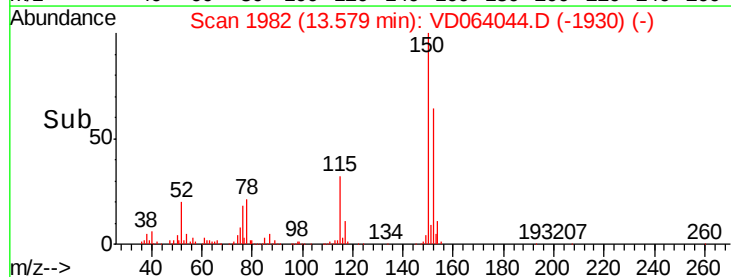
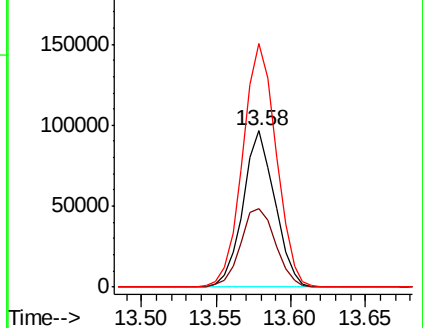
150 163.1 0.0 344.2

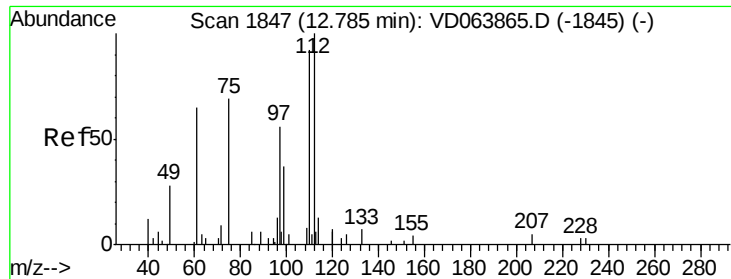


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

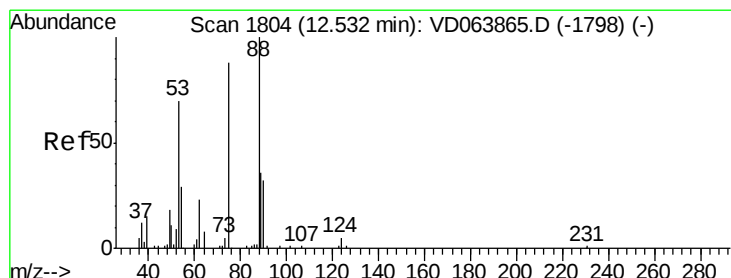
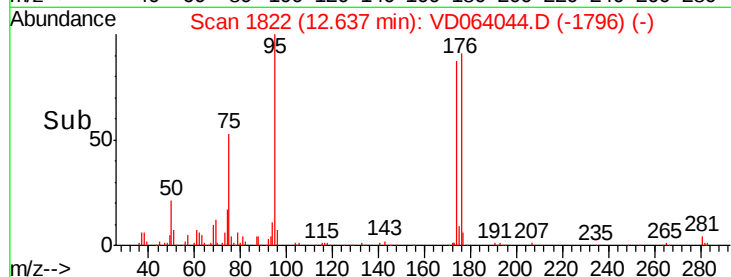
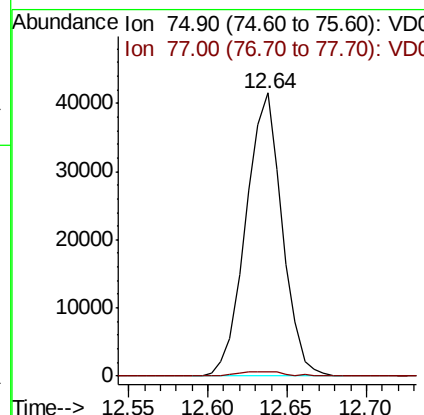
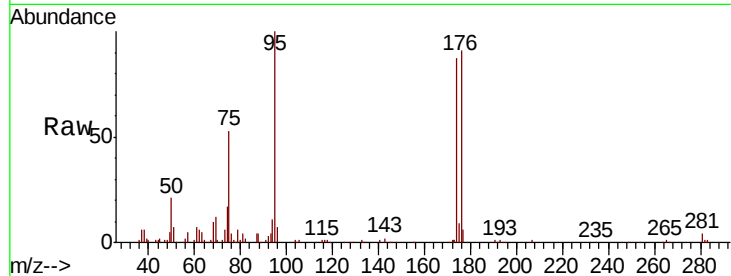




#76
 1,2,3-Trichloropropane
 Concen: 68.674 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064044.D
 Acq: 24 Oct 2019 13:57

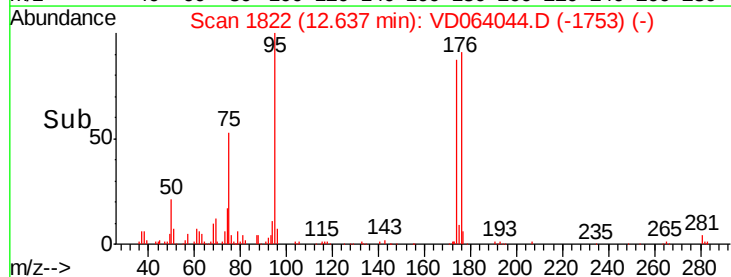
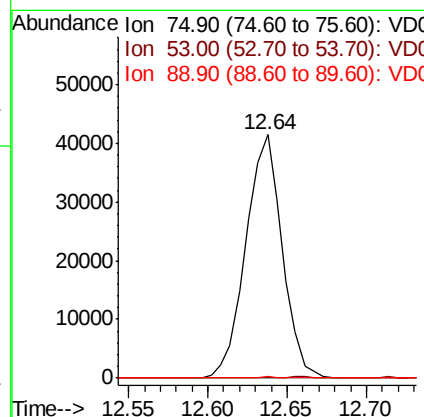
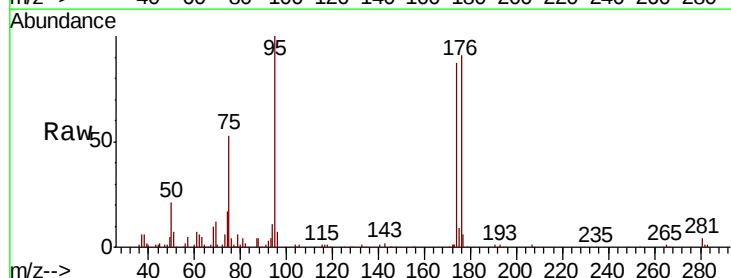
Instrument :
 MSVOA_D
 ClientSampleID :

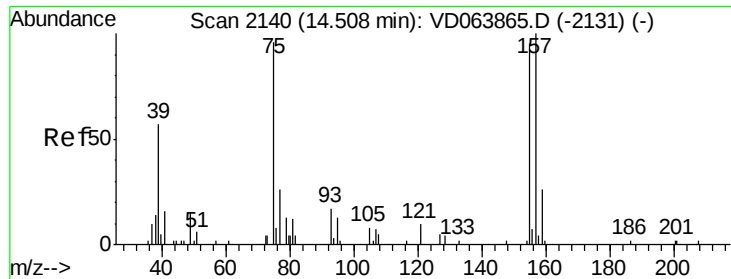
Tot Ion: 75 Resp: 65908
 Ion Ratio Lower Upper
 75 100
 77 1.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.525 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064044.D
 Acq: 24 Oct 2019 13:57

Tgt Ion: 75 Resp: 65908
 Ion Ratio Lower Upper
 75 100
 53 0.4 75.0 112.6#
 89 0.1 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.42 min Scan# 2125

Delta R.T. -0.09 min

Lab File: VD064044.D

Acq: 24 Oct 2019 13:57

Instrument :

MSVOA_D

ClientSampleId :

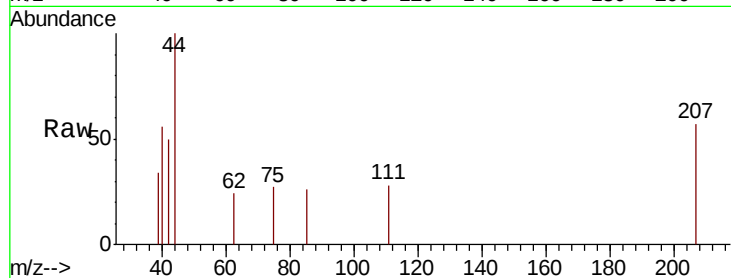
Tot Ion: 75 Resp: 67

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

