

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064062.D
 Acq On : 25 Oct 2019 13:37
 Operator : VA/SY
 Sample : VD1025SBL01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:03:21 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	184200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	322049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	335936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162269	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	98107	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	7.92	113	97578	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.34	98	414980	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.64	95	132800	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	

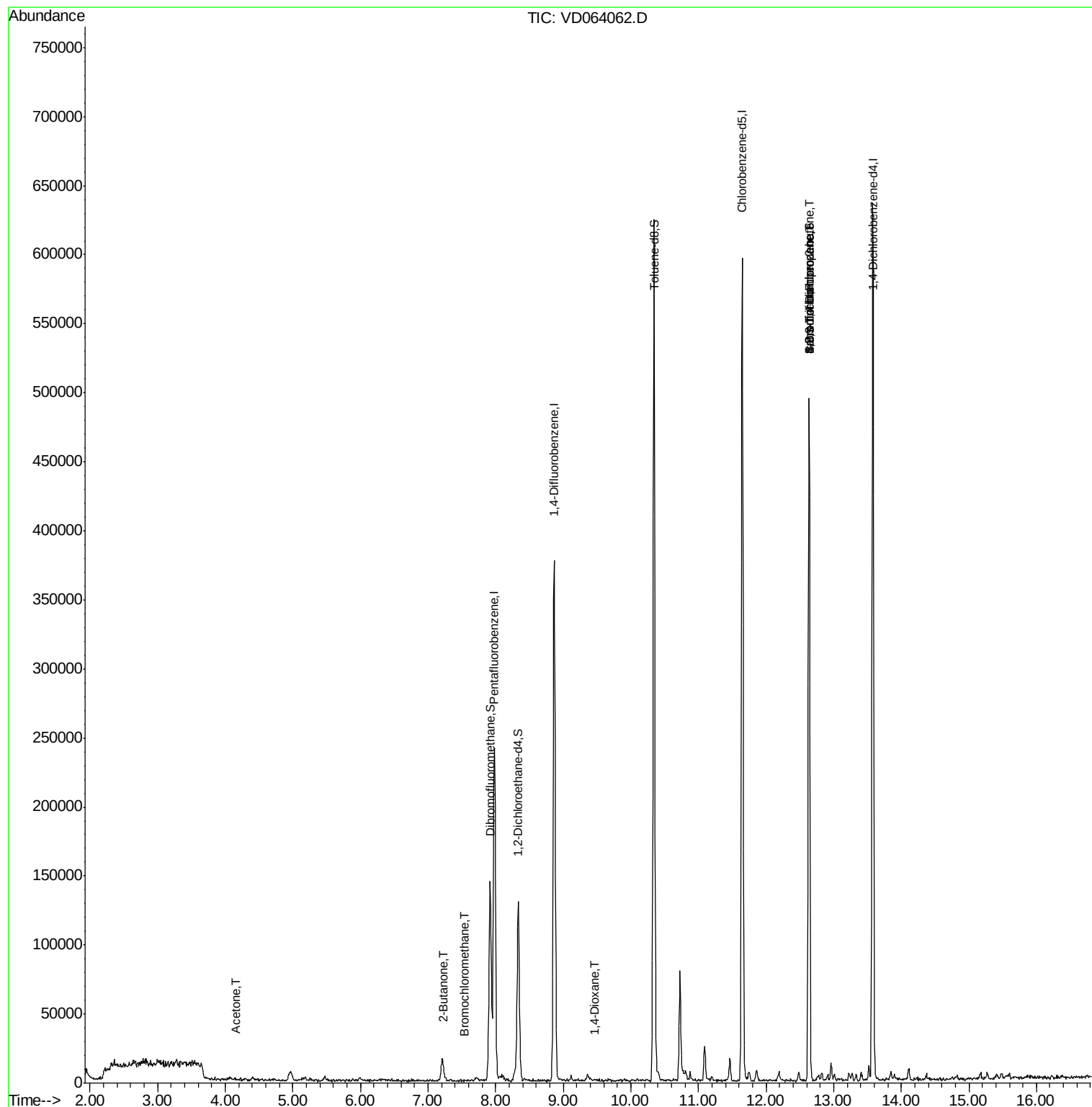
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1944	Below Cal	#	71
11) Tert butyl alcohol	5.24	59	81	Below Cal	#	71
16) Acetone	4.16	43	719	1.540	ug/l #	42
20) Methylene Chloride	4.95	84	2058	Below Cal	#	58
25) 2-Butanone	7.23	43	647	1.169	ug/l #	51
28) Bromochloromethane	7.54	49	125	1.962	ug/l #	10
31) Cyclohexane	7.98	56	6108	Below Cal	#	38
37) Ethyl Acetate	7.28	43	113	Below Cal	#	15
49) 1,4-Dioxane	9.47	88	61	3.799	ug/l #	48
71) Bromoform	12.63	173	1975	1.480	ug/l #	28
76) 1,2,3-Trichloropropane	12.64	75	72615	66.813	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	72615	118.233	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.52	75	108	Below Cal	#	1

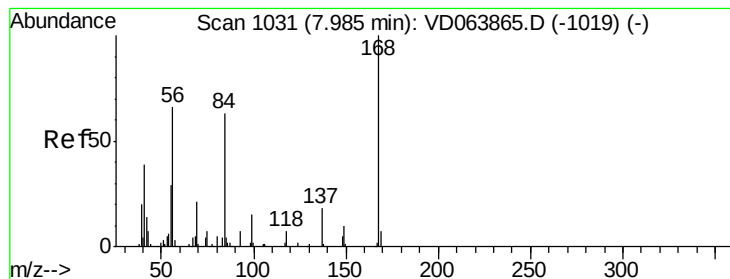
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
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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: VD064062.D

Acq: 25 Oct 2019 13:37

Instrument :

MSVOA_D

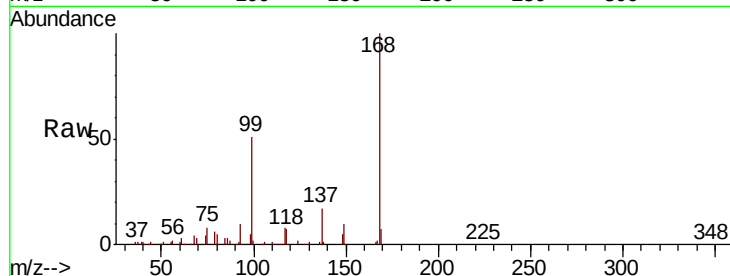
ClientSampleId :

Tot Ion:168 Resp: 184200

Ion Ratio Lower Upper

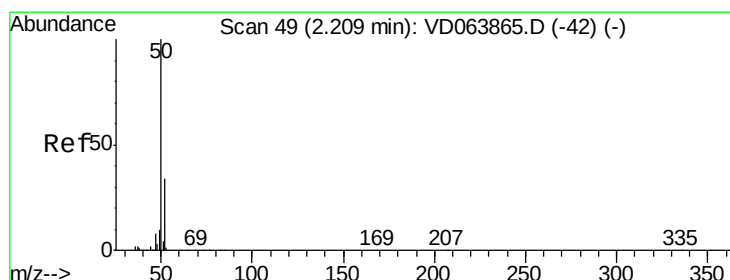
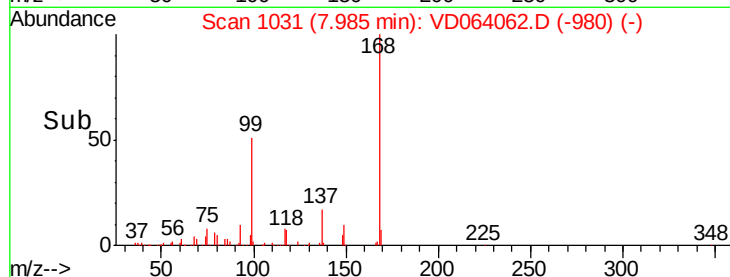
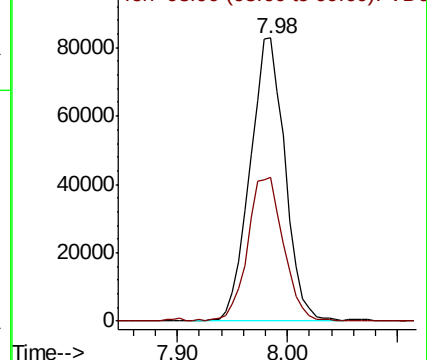
168 100

99 50.8 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: VD064062.D

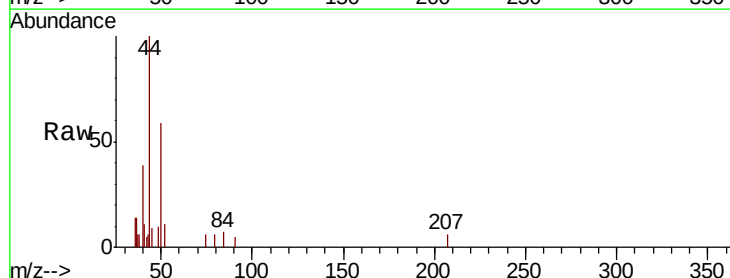
Acq: 25 Oct 2019 13:37

Tgt Ion: 50 Resp: 1944

Ion Ratio Lower Upper

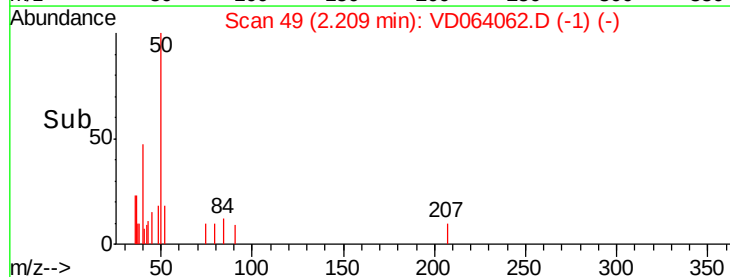
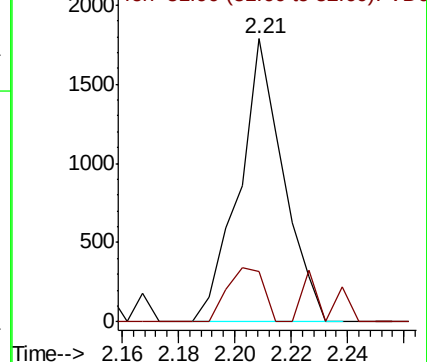
50 100

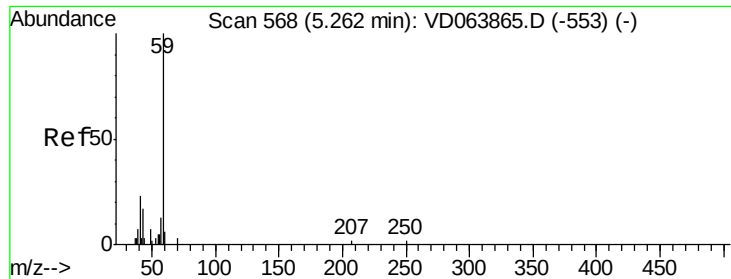
52 18.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



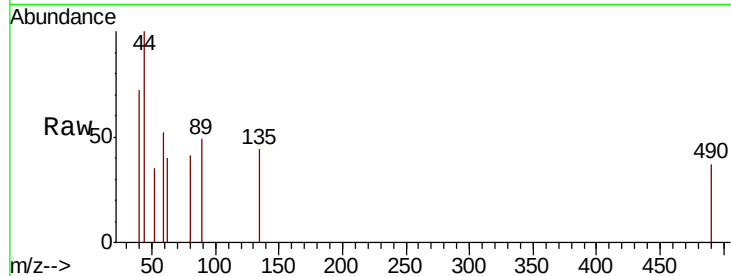


#11

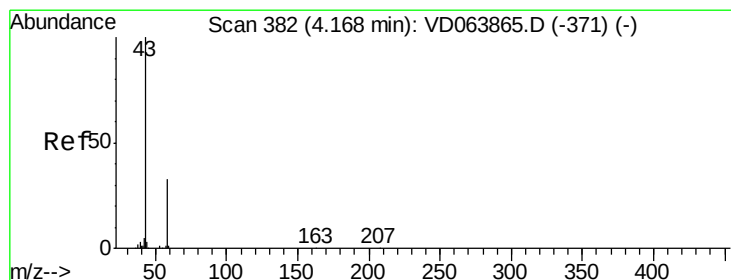
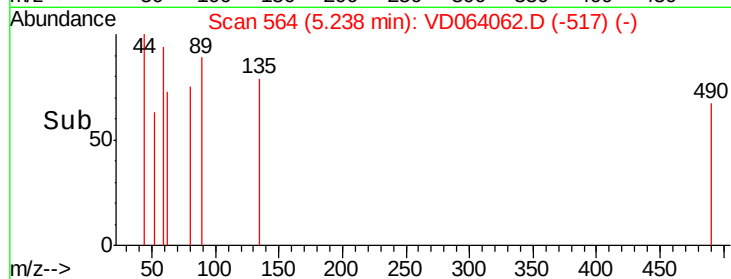
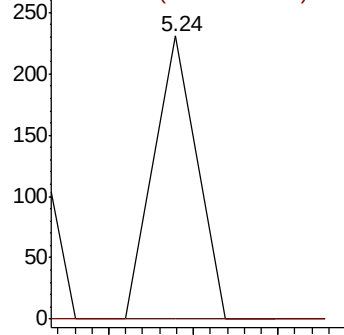
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD064062.D
 Acq: 25 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 81
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



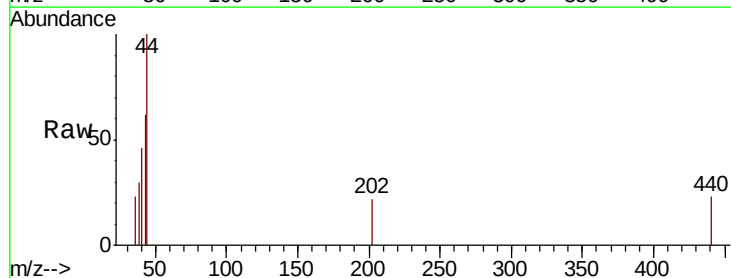
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



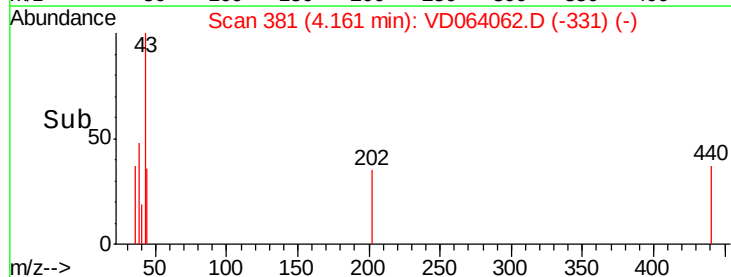
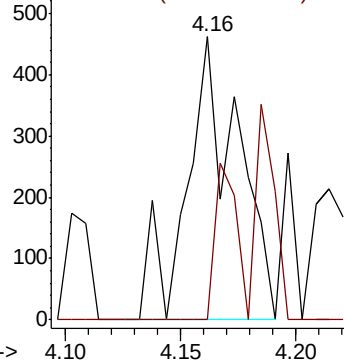
#16

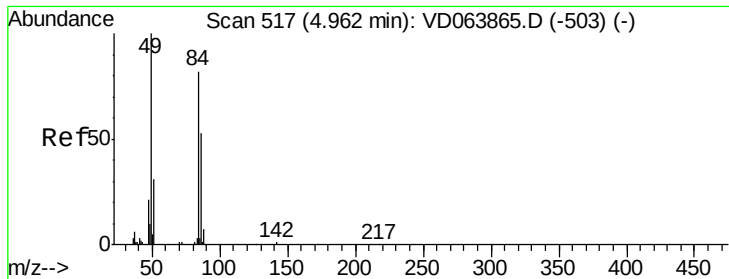
Acetone
 Concen: 1.540 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064062.D
 Acq: 25 Oct 2019 13:37

Tgt Ion: 43 Resp: 719
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 39.4#



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

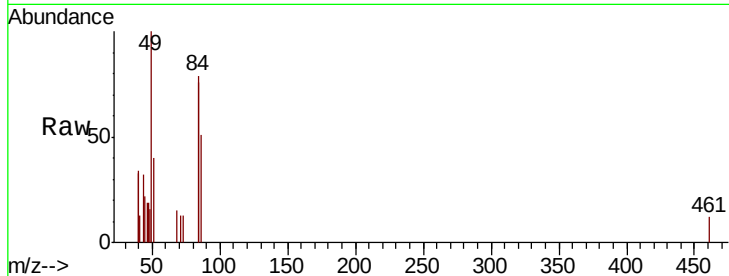




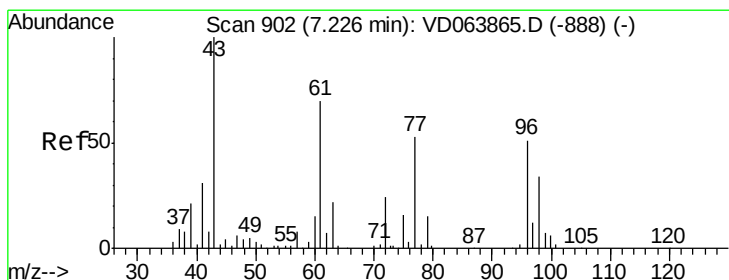
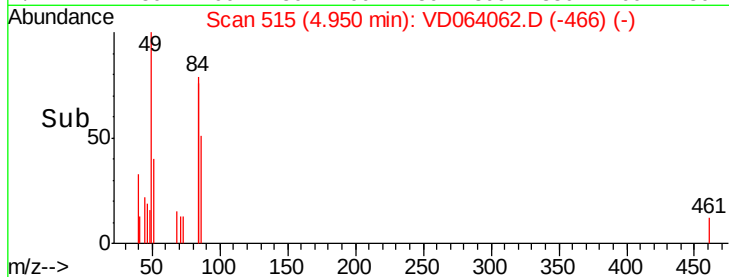
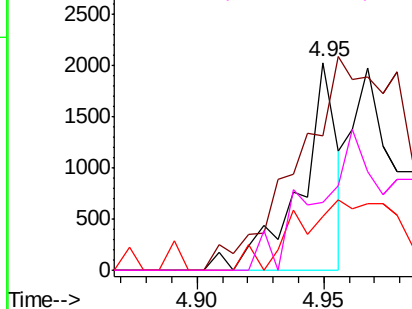
#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 2058
Ion Ratio Lower Upper
84 100
49 64.8 97.3 145.9#
51 26.2 30.1 45.1#
86 33.0 51.4 77.2#

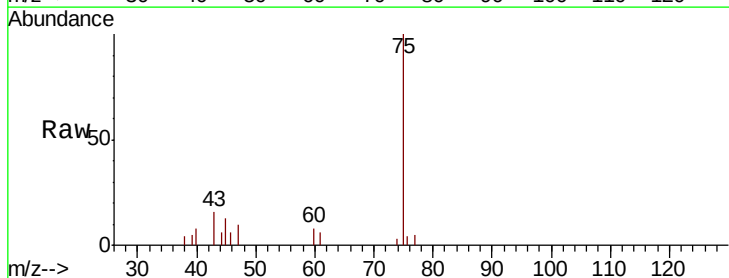


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

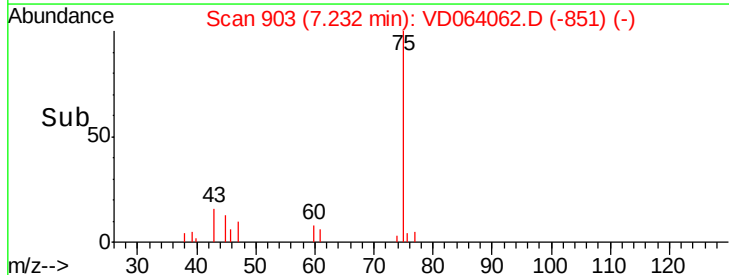
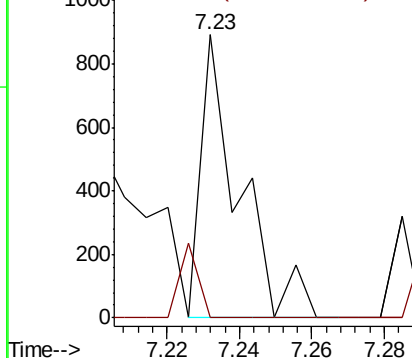


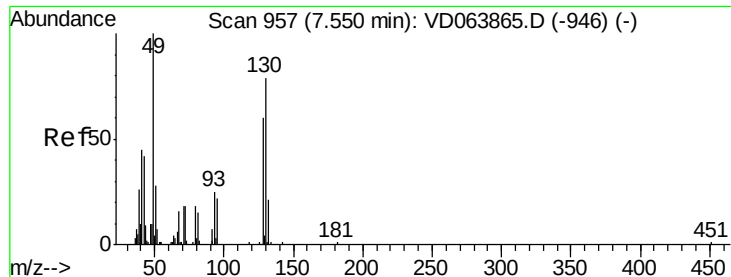
#25
2-Butanone
Concen: 1.169 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

Tgt Ion: 43 Resp: 647
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

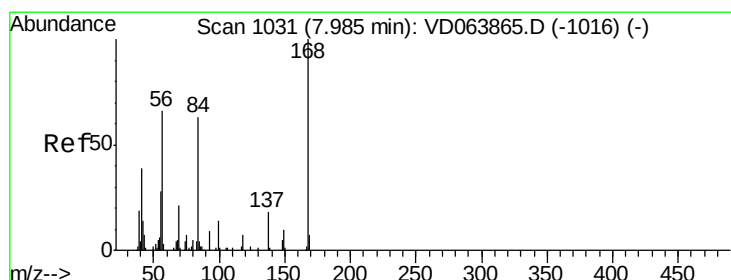
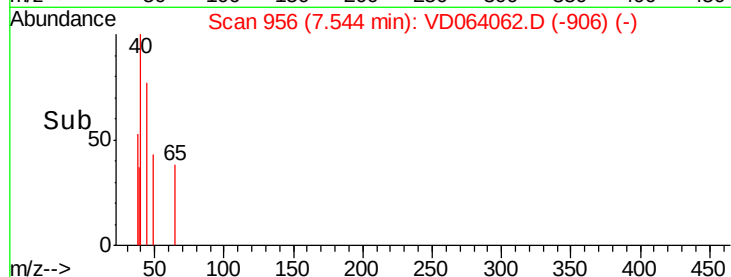
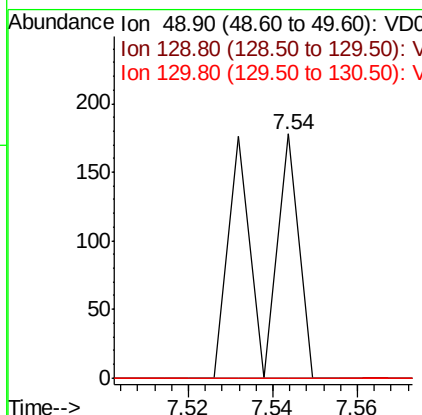
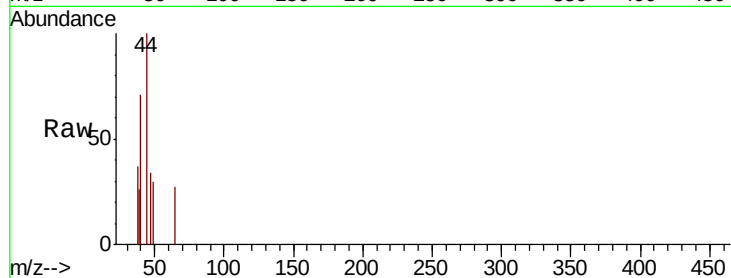




#28
Bromochloromethane
Concen: 1.962 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

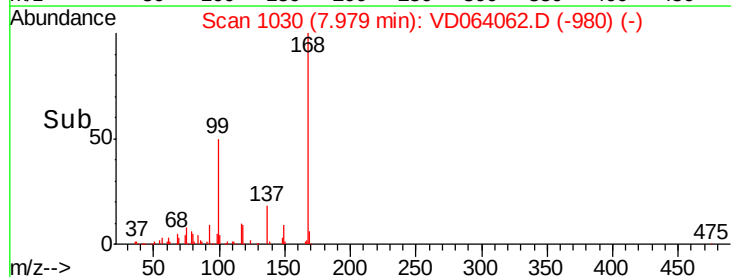
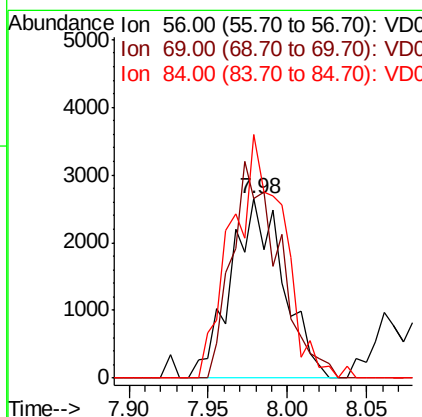
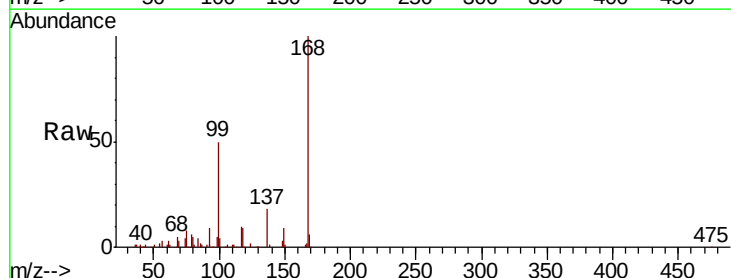
Instrument :
MSVOA_D
ClientSampleId :

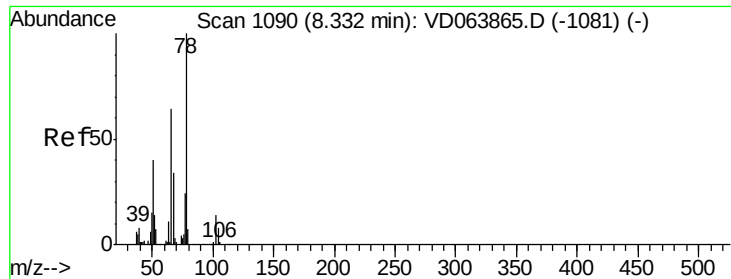
Tot Ion: 49 Resp: 125
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

Tgt Ion: 56 Resp: 6108
Ion Ratio Lower Upper
56 100
69 99.8 25.0 37.4#
84 135.7 76.3 114.5#

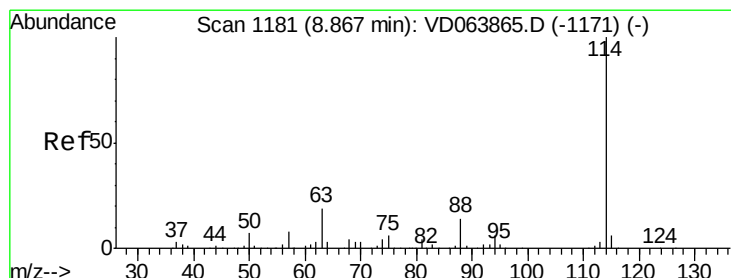
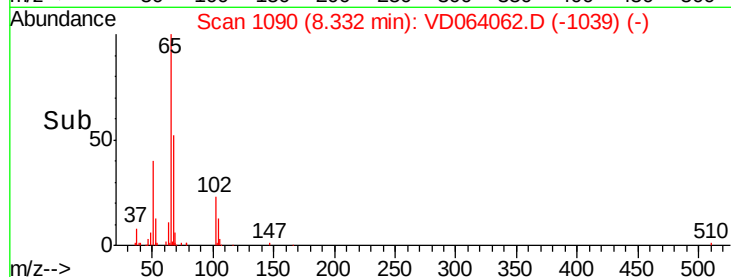
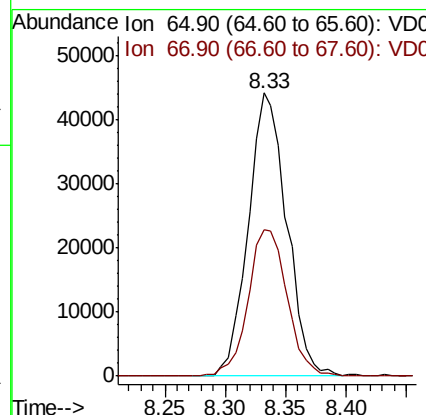
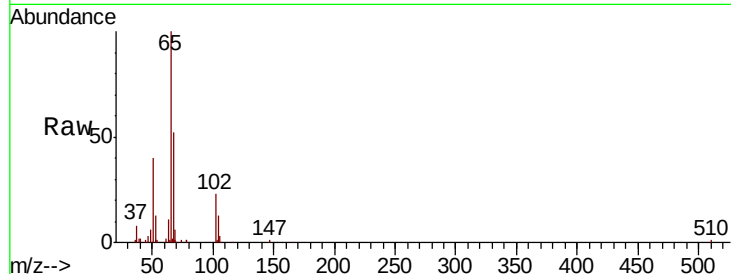




#33
 1,2-Dichloroethane-d4
 Concen: 54.707 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064062.D
 Acq: 25 Oct 2019 13:37

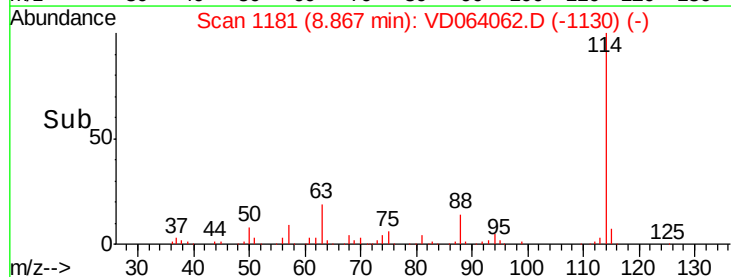
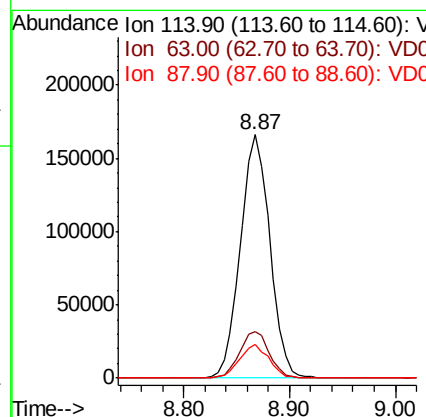
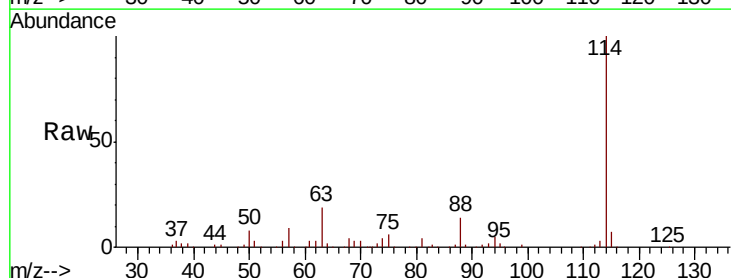
Instrument :
 MSVOA_D
 ClientSampleID :

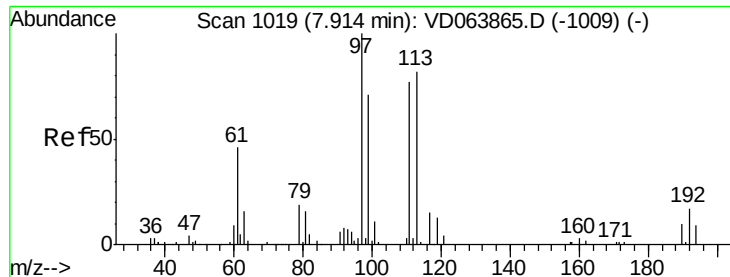
Tot Ion: 65 Resp: 98107
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064062.D
 Acq: 25 Oct 2019 13:37

Tgt Ion: 114 Resp: 322049
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.4
 88 13.6 0.0 27.4

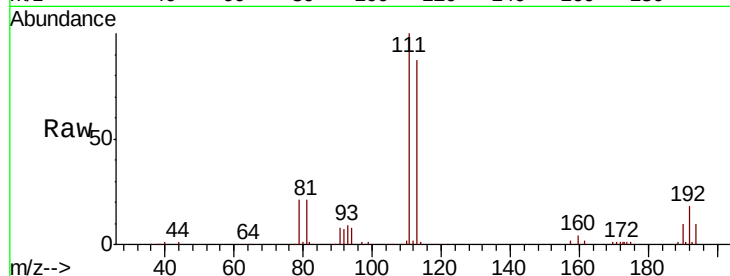




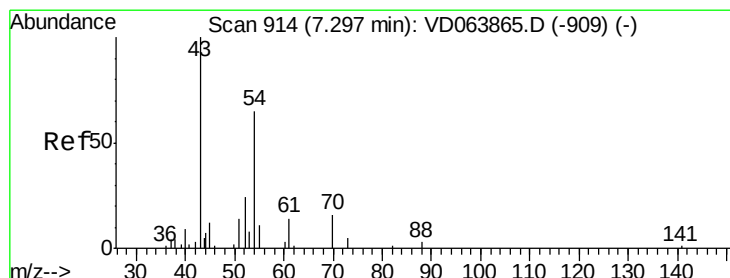
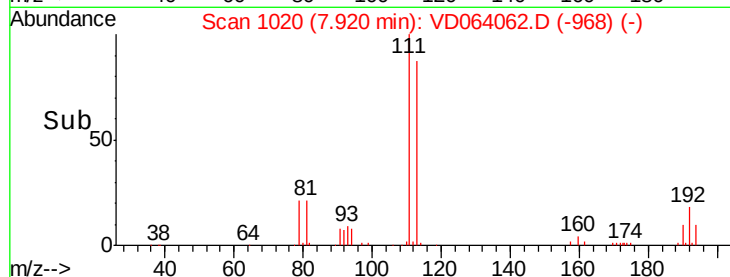
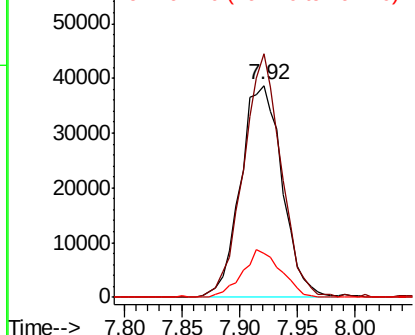
#35
Dibromofluoromethane
Concen: 49.579 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:113 Resp: 97578
Ion Ratio Lower Upper
113 100
111 103.8 82.6 123.8
192 20.6 17.1 25.7

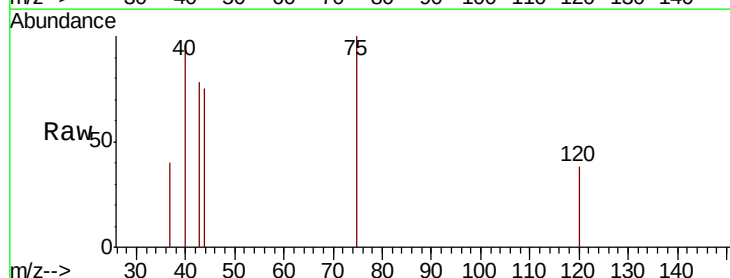


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

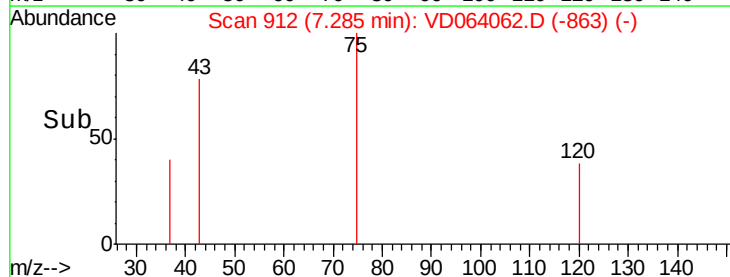
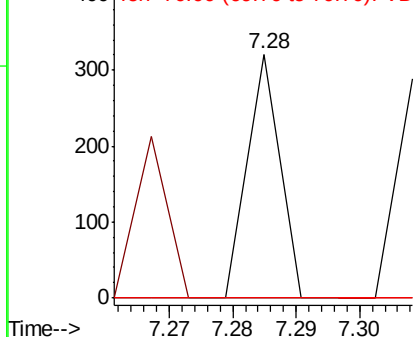


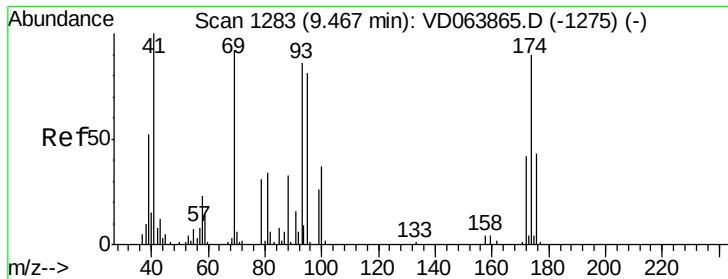
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
61 66.4 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

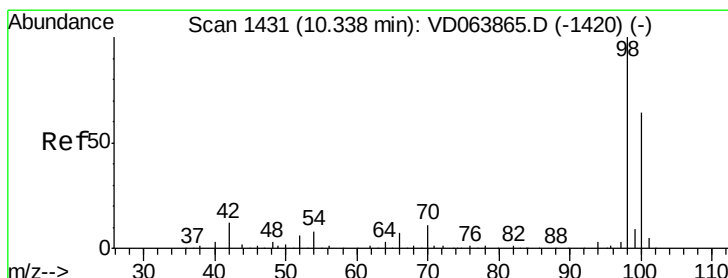
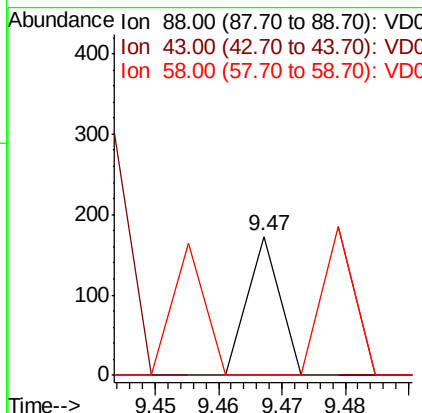
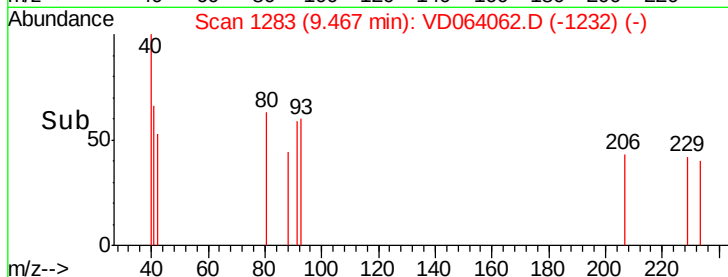
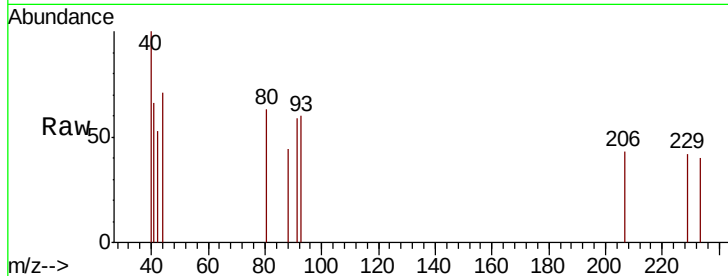




#49
1,4-Dioxane
Concen: 3.799 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

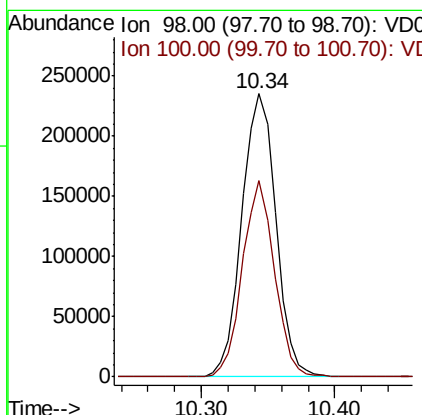
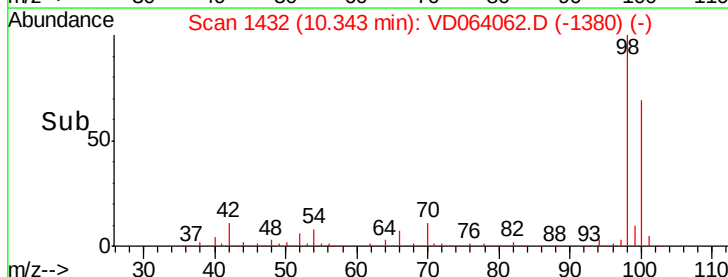
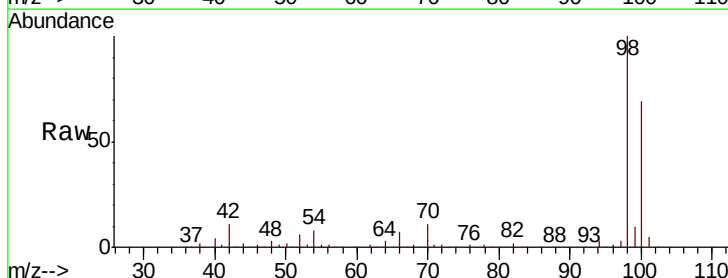
Instrument :
MSVOA_D
ClientSampleId :

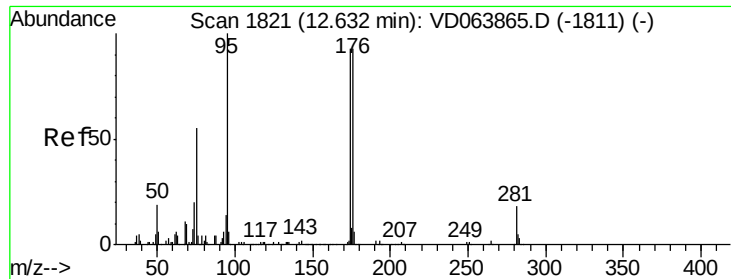
Tot Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 106.6 54.1 81.1#



#50
Toluene-d8
Concen: 51.948 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064062.D
Acq: 25 Oct 2019 13:37

Tgt Ion: 98 Resp: 414980
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 47.839 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064062.D

Acq: 25 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

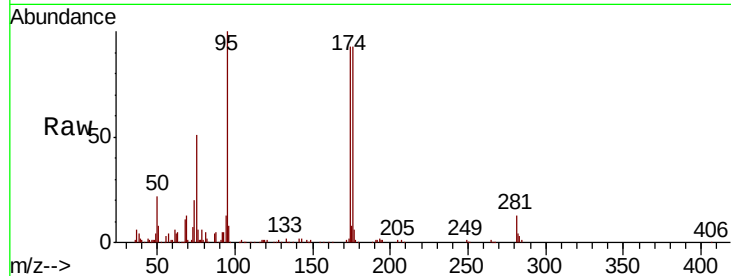
Tot Ion: 95 Resp: 132800

Ion Ratio Lower Upper

95 100

174 94.4 0.0 186.4

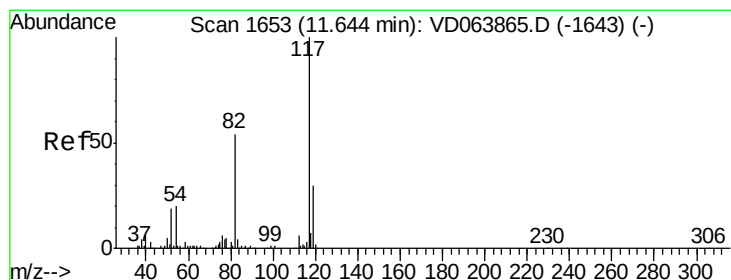
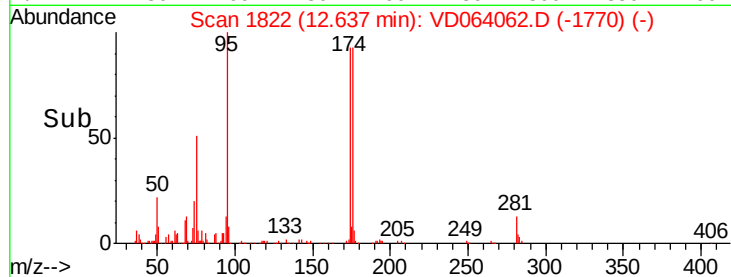
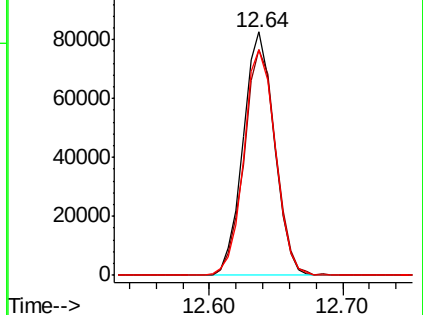
176 93.3 0.0 184.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD064062.D

Acq: 25 Oct 2019 13:37

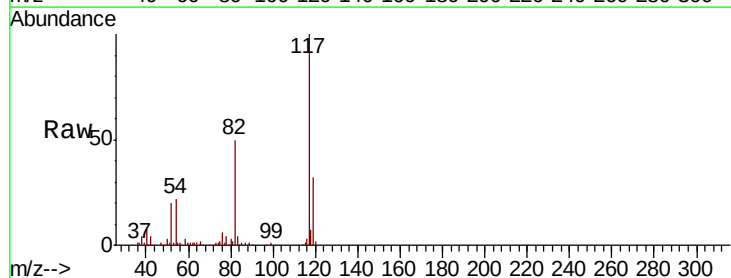
Tgt Ion: 117 Resp: 335936

Ion Ratio Lower Upper

117 100

82 50.3 42.8 64.2

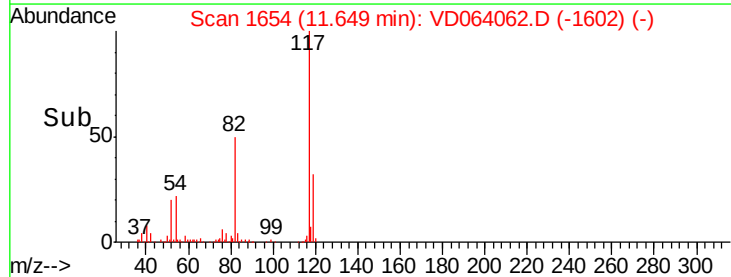
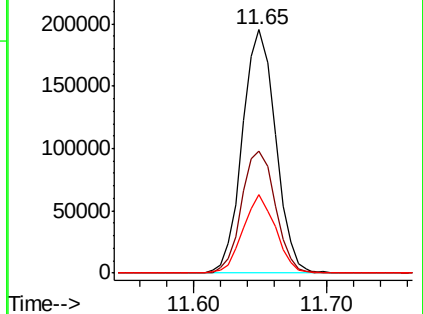
119 32.2 24.4 36.6

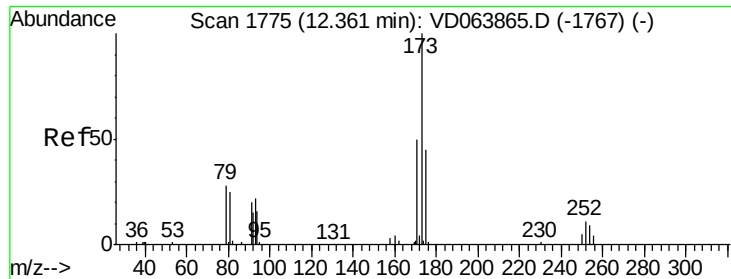


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.480 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD064062.D

Acq: 25 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

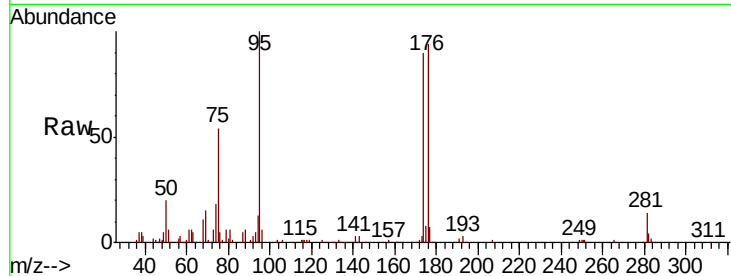
Tot Ion:173 Resp: 1975

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

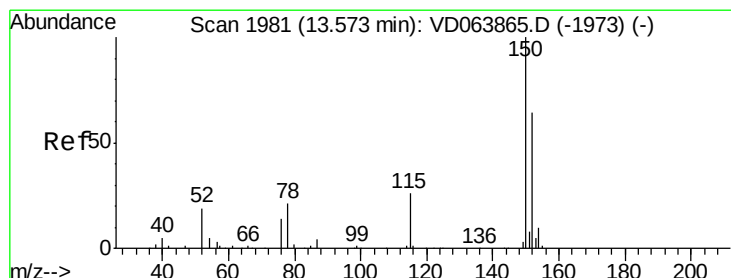
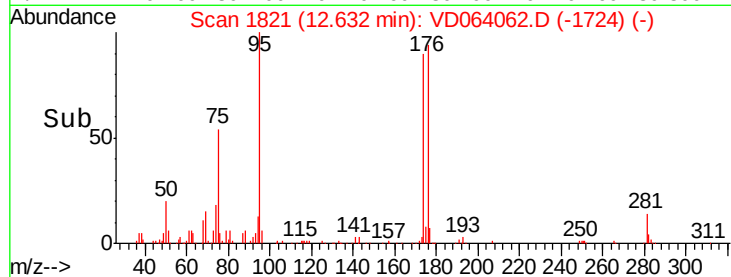
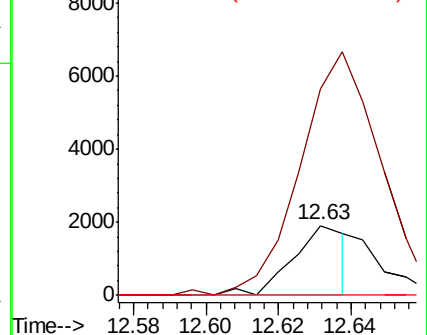
254 0.0 0.0 0.0



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: VD064062.D

Acq: 25 Oct 2019 13:37

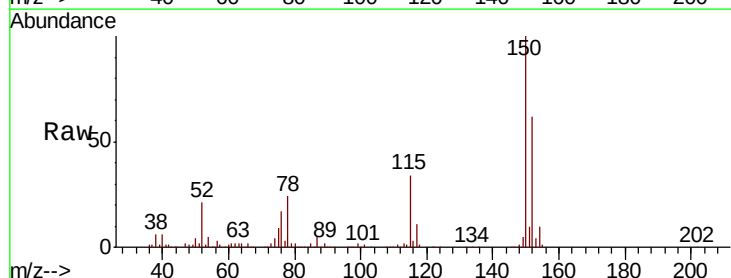
Tgt Ion:152 Resp: 162269

Ion Ratio Lower Upper

152 100

115 54.1 25.9 77.7

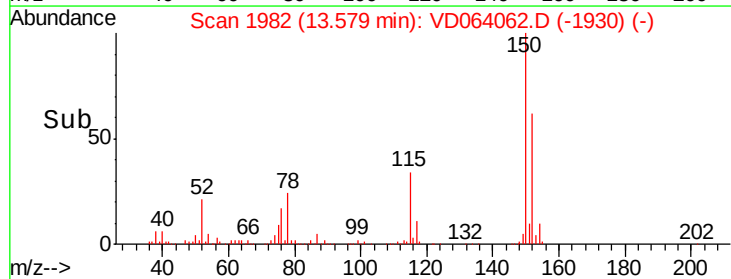
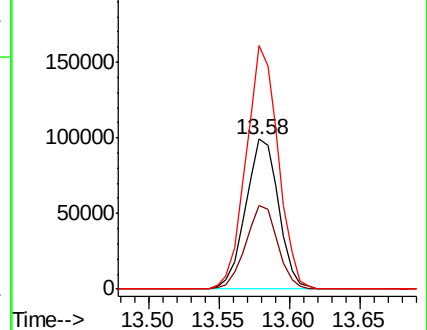
150 157.7 0.0 344.2

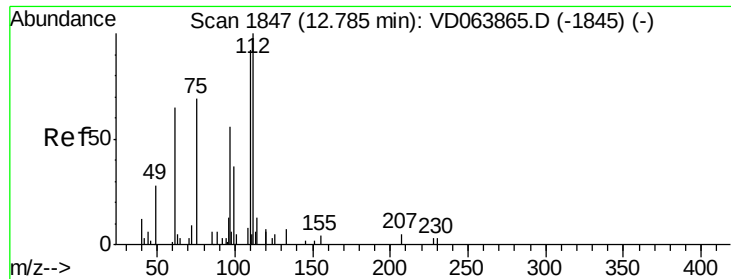


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 66.813 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064062.D

Acq: 25 Oct 2019 13:37

Instrument :

MSVOA_D

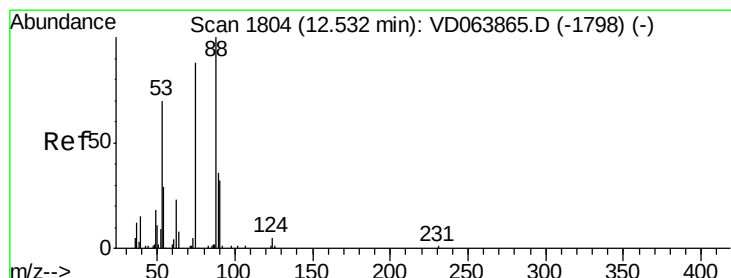
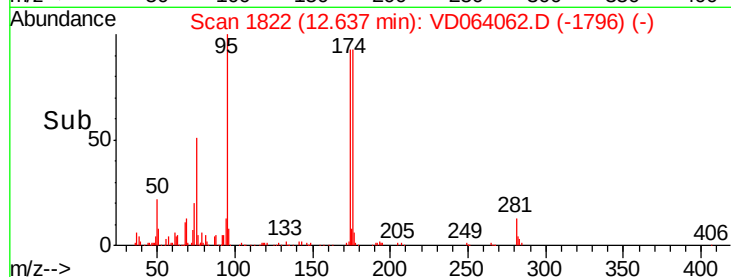
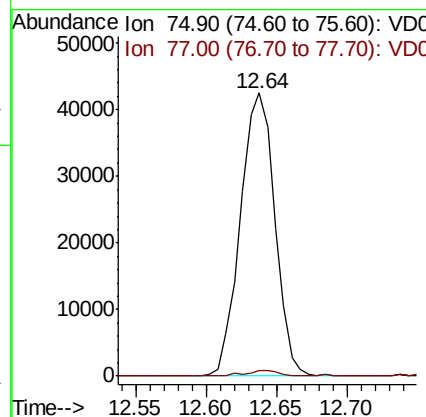
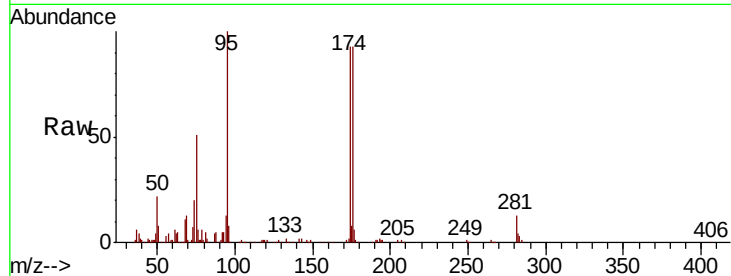
ClientSampleId :

Tot Ion: 75 Resp: 72615

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.233 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064062.D

Acq: 25 Oct 2019 13:37

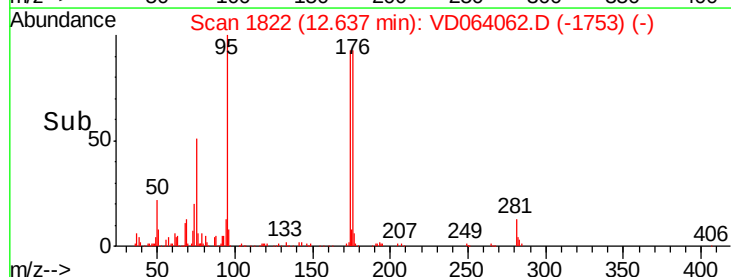
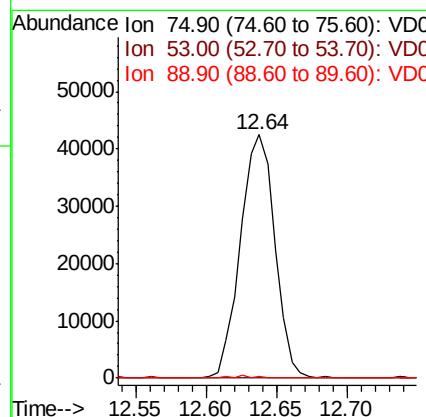
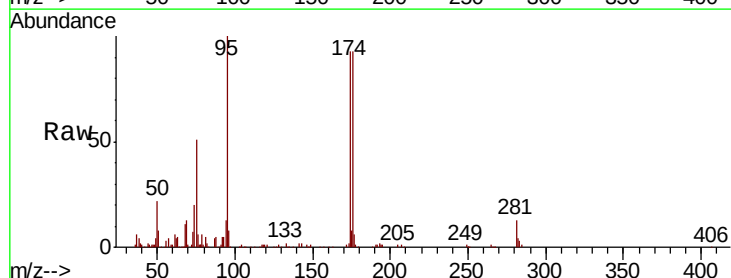
Tgt Ion: 75 Resp: 72615

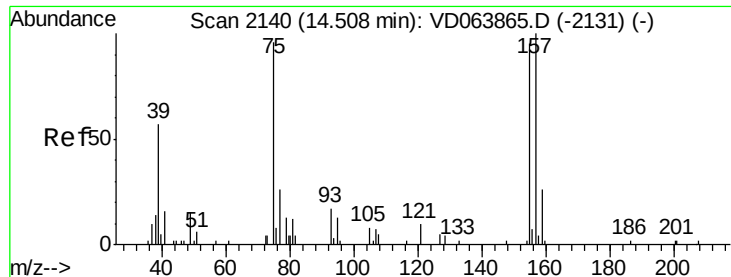
Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.4 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD064062.D

Acq: 25 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 108

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

