

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064022.D
 Acq On : 23 Oct 2019 15:50
 Operator : VA/SY
 Sample : K5497-04
 Misc : 7.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:58:25 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	166536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	309203	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	318705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144641	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	94751	58.44	ug/l	0.00
Spiked Amount			Recovery	=	116.88%	
35) Dibromofluoromethane	7.92	113	98538	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	10.34	98	410821	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
62) 4-Bromofluorobenzene	12.64	95	120324	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	

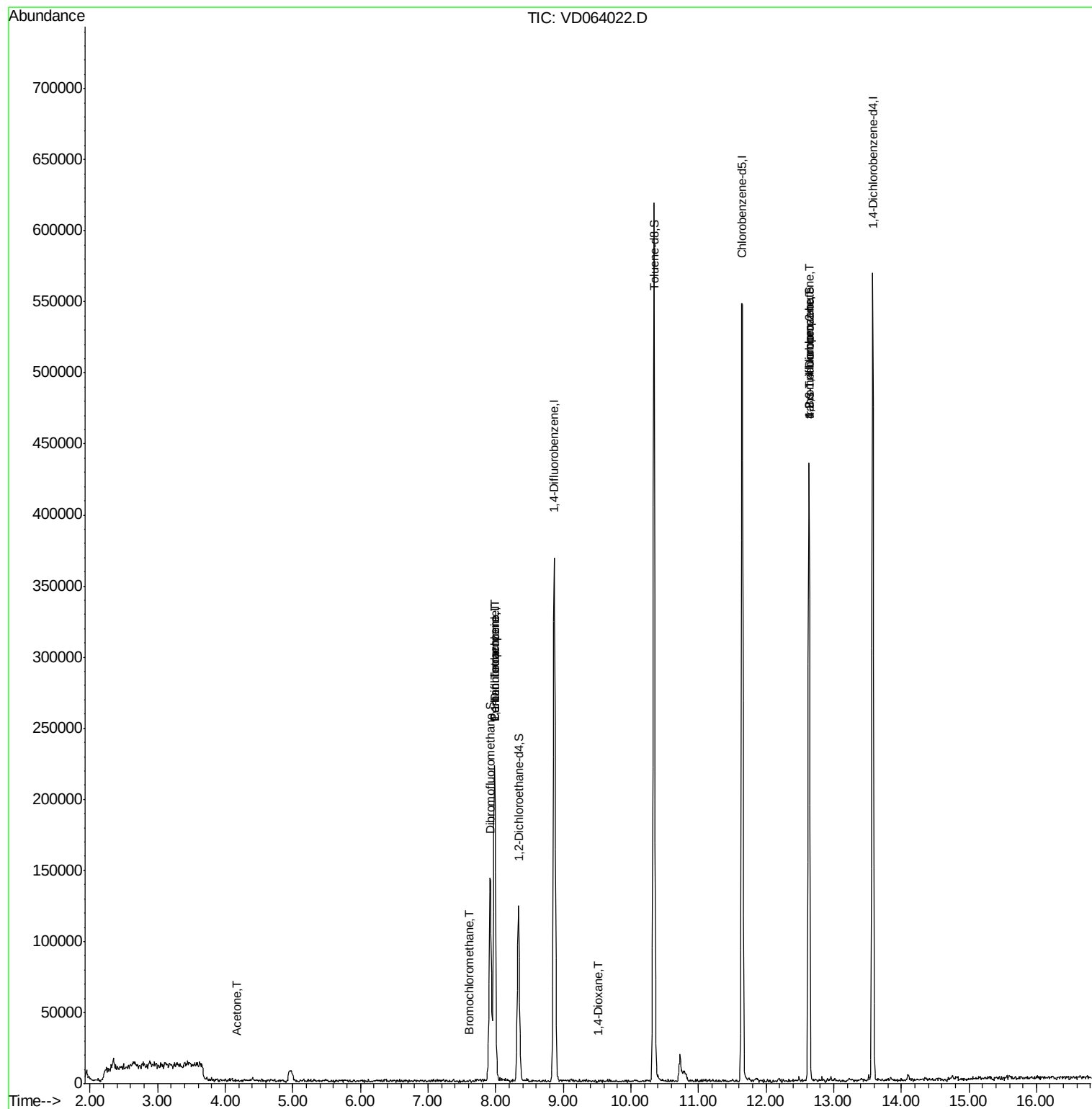
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	975	Below Cal	#	40
11) Tert butyl alcohol	5.25	59	61	Below Cal	#	1
16) Acetone	4.17	43	543	1.286	ug/l #	42
20) Methylene Chloride	4.94	84	2621	Below Cal	#	67
28) Bromochloromethane	7.60	49	75	1.929	ug/l #	10
31) Cyclohexane	7.98	56	3987	Below Cal	#	53
36) 1,1-Dichloropropene	7.98	75	13424	4.748	ug/l #	49
37) Ethyl Acetate	7.23	43	222	Below Cal	#	7
38) Carbon Tetrachloride	7.98	117	16230	5.681	ug/l #	20
49) 1,4-Dioxane	9.53	88	77	4.995	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	69767	72.016	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	69767	127.440	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.54	75	122	Below Cal	#	1

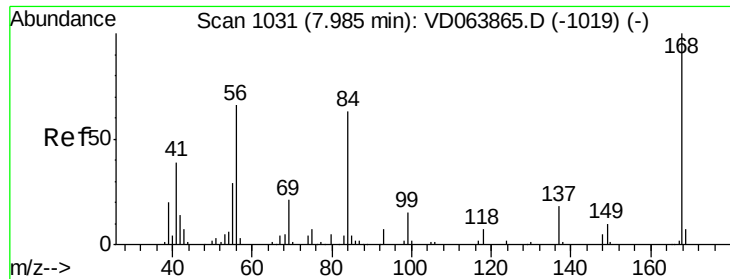
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
Data File : VD064022.D
Acq On : 23 Oct 2019 15:50
Operator : VA/SY
Sample : K5497-04
Misc : 7.17G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Oct 24 05:58:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
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: VD064022.D

Acq: 23 Oct 2019 15:50

Instrument :

MSVOA_D

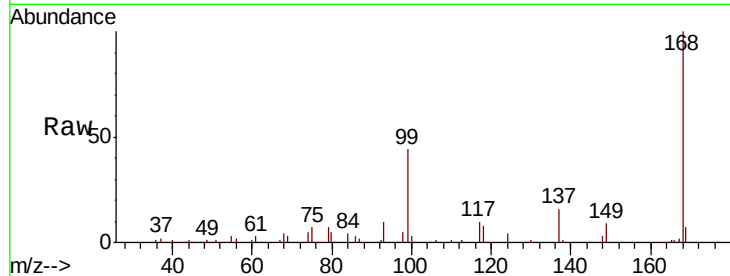
ClientSampled :

Tot Ion:168 Resp: 166536

Ion Ratio Lower Upper

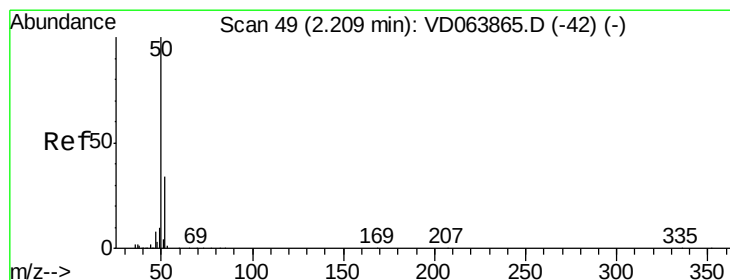
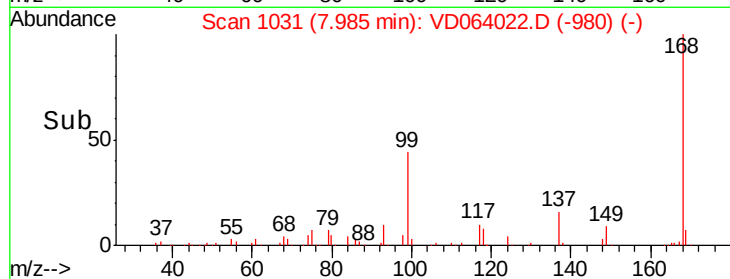
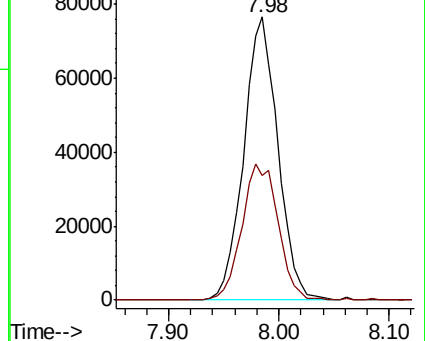
168 100

99 44.2 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: VD064022.D

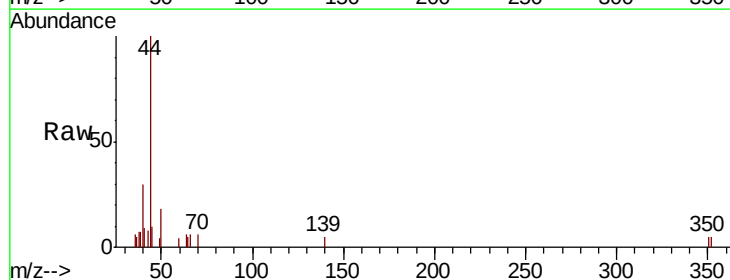
Acq: 23 Oct 2019 15:50

Tgt Ion: 50 Resp: 975

Ion Ratio Lower Upper

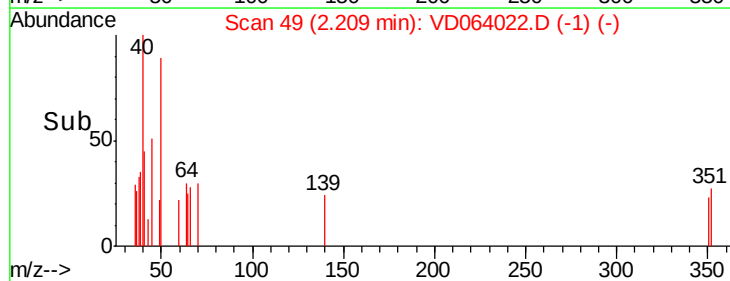
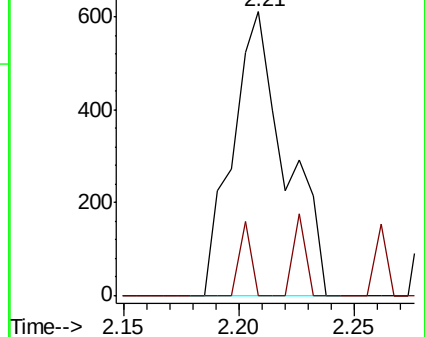
50 100

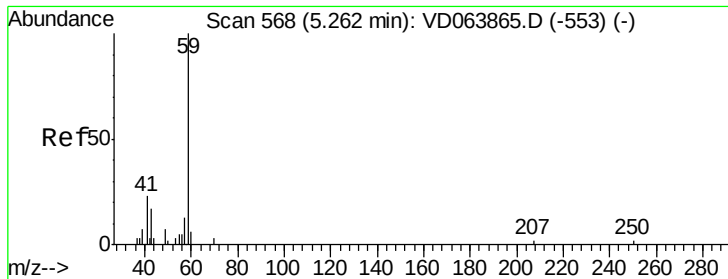
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



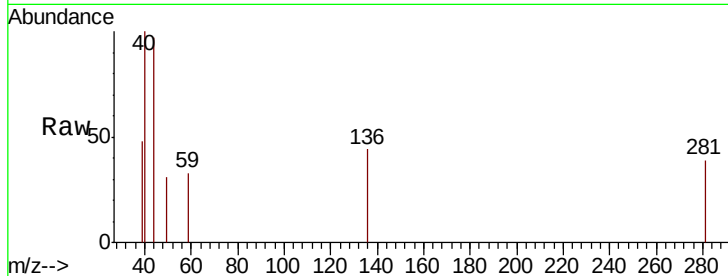


#11

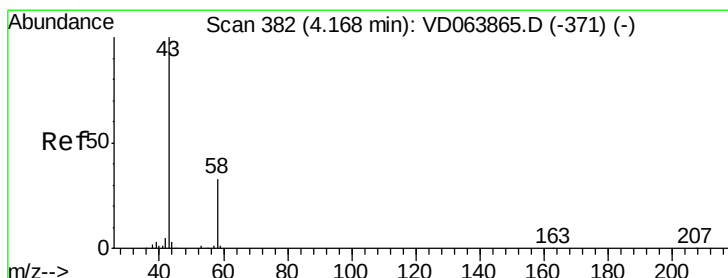
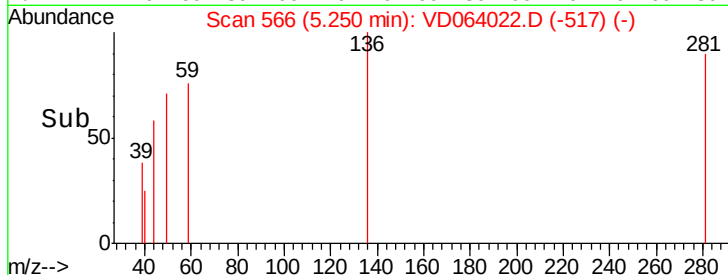
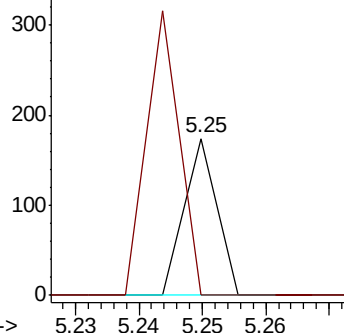
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064022.D
 Acq: 23 Oct 2019 15:50

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 59 Resp: 61
 Ion Ratio Lower Upper
 59 100
 57 183.6 8.8 13.2#



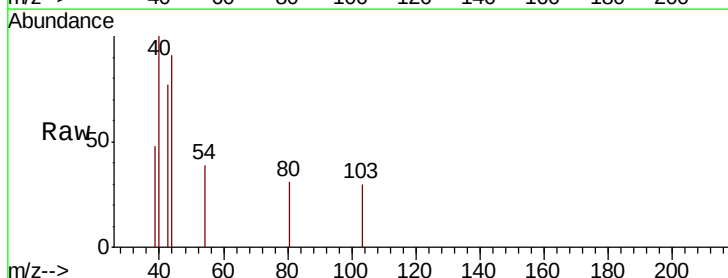
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



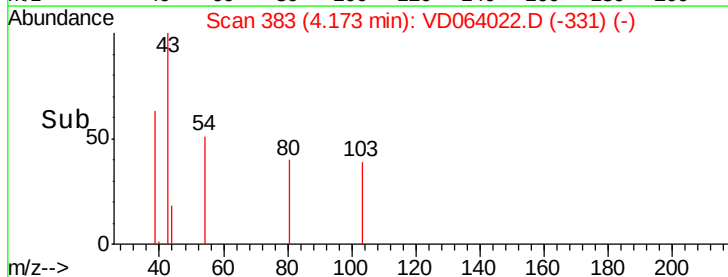
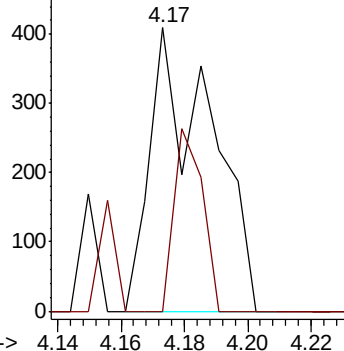
#16

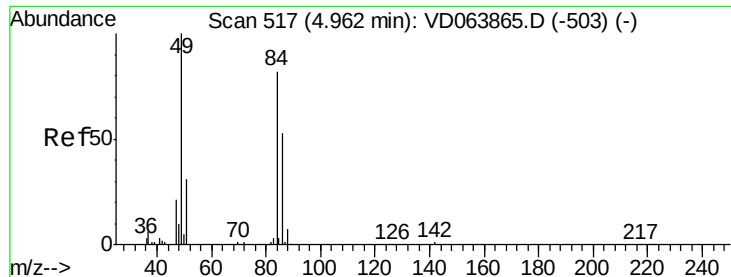
Acetone
 Concen: 1.286 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VD064022.D
 Acq: 23 Oct 2019 15:50

Tgt Ion: 43 Resp: 543
 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

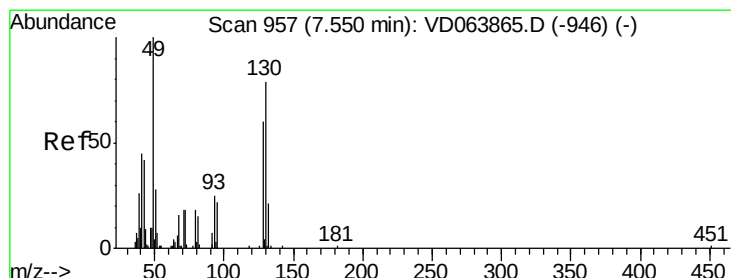
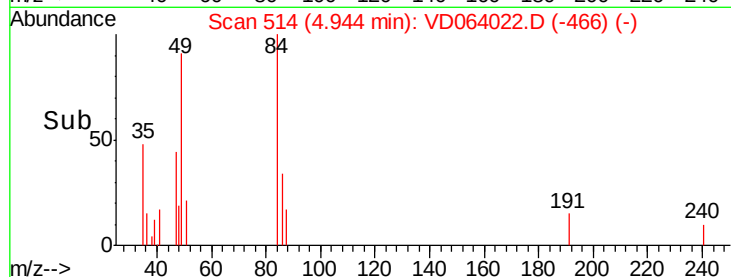
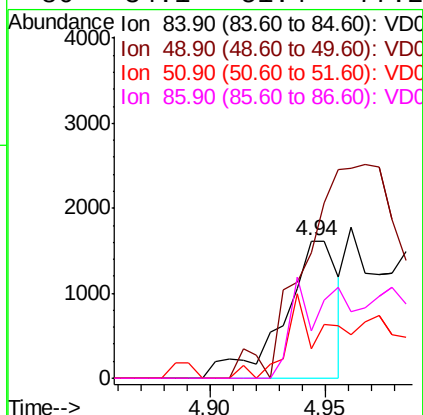
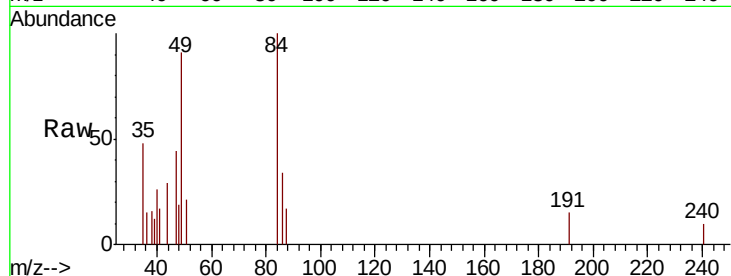




#20
Methylene Chloride
Concen: Below Cal
RT: 4.94 min Scan# 514
Delta R.T. -0.02 min
Lab File: VD064022.D
Acq: 23 Oct 2019 15:50

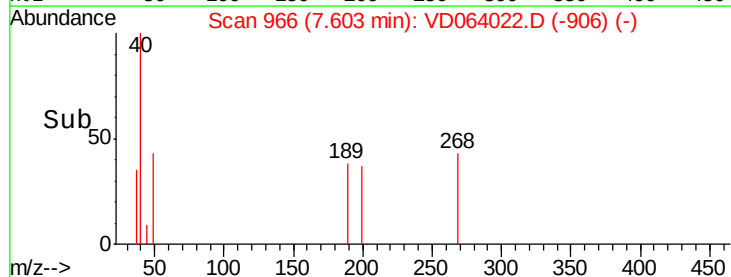
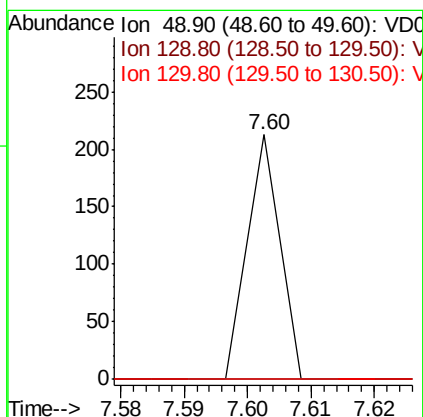
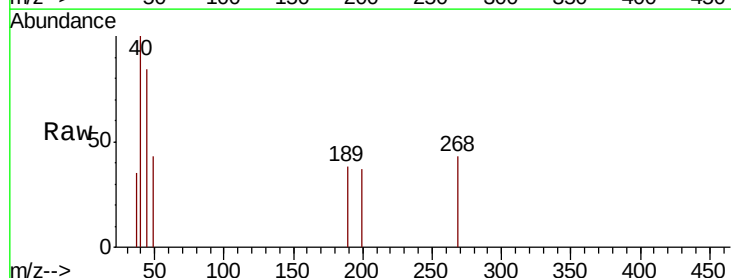
Instrument :
MSVOA_D
ClientSampleId :

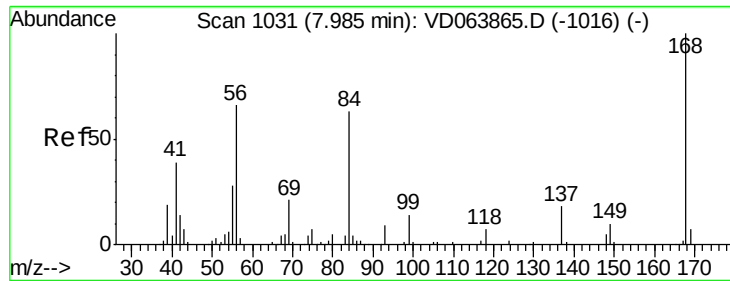
Tot Ion: 84 Resp: 2621
Ion Ratio Lower Upper
84 100
49 91.4 97.3 145.9#
51 10.1 30.1 45.1#
86 34.1 51.4 77.2#



#28
Bromochloromethane
Concen: 1.929 ug/l
RT: 7.60 min Scan# 966
Delta R.T. 0.05 min
Lab File: VD064022.D
Acq: 23 Oct 2019 15:50

Tgt Ion: 49 Resp: 75
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

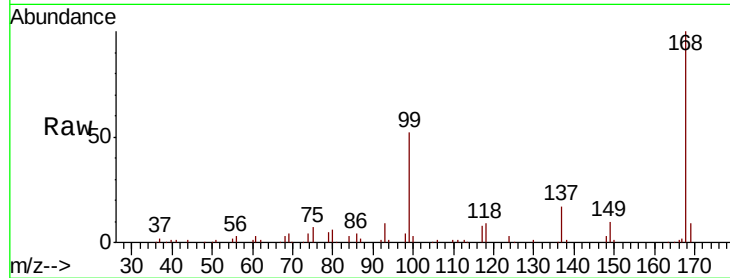




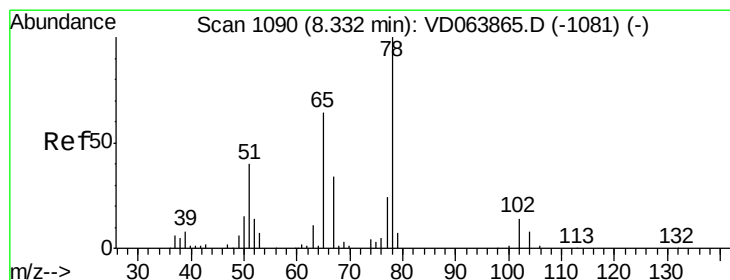
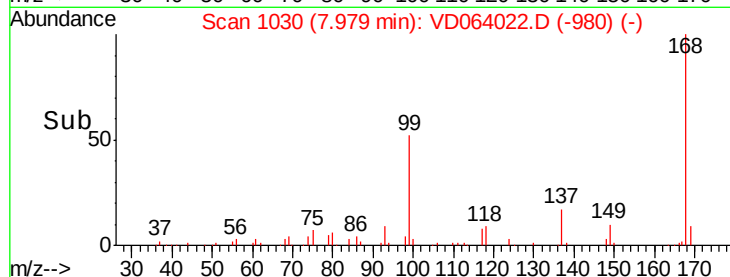
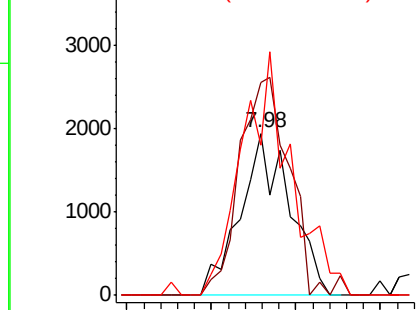
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064022.D
Acq: 23 Oct 2019 15:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3987
Ion Ratio Lower Upper
56 100
69 131.1 25.0 37.4#
84 92.7 76.3 114.5

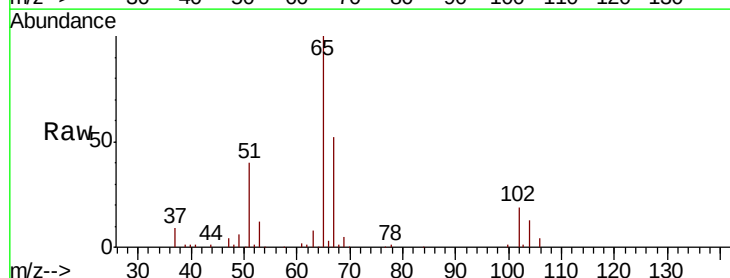


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

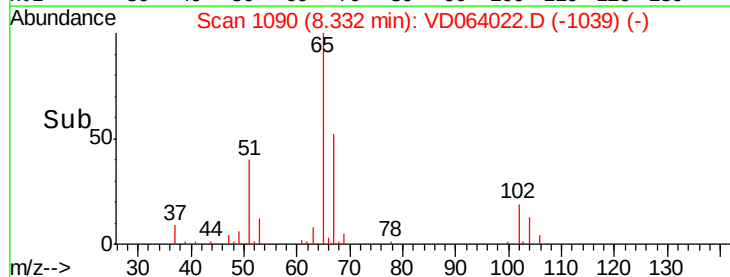
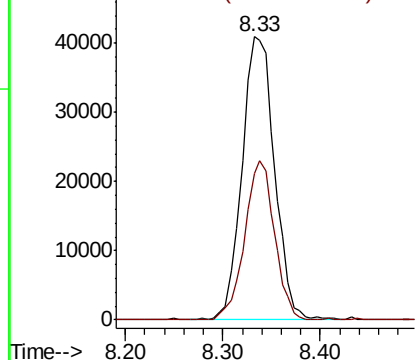


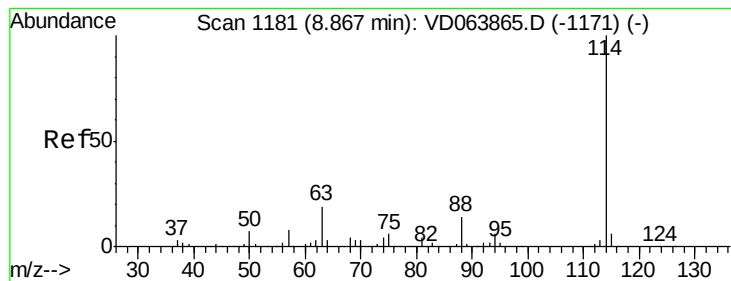
#33
1,2-Dichloroethane-d4
Concen: 58.439 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD064022.D
Acq: 23 Oct 2019 15:50

Tgt Ion: 65 Resp: 94751
Ion Ratio Lower Upper
65 100
67 51.3 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: VD064022.D

Acq: 23 Oct 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

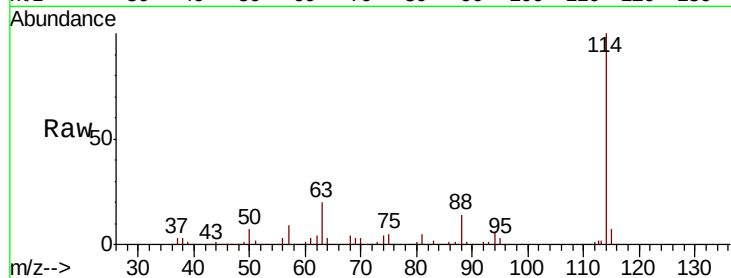
Tot Ion:114 Resp: 309203

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

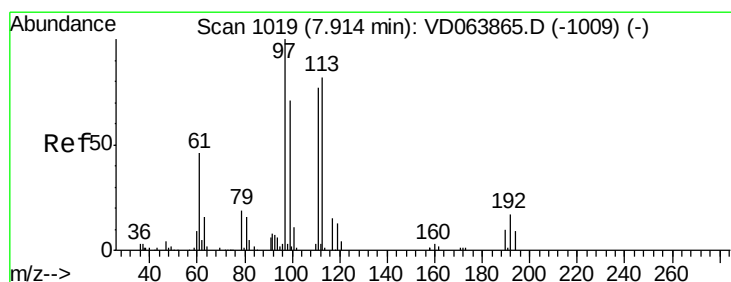
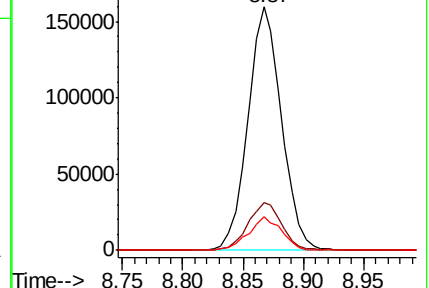
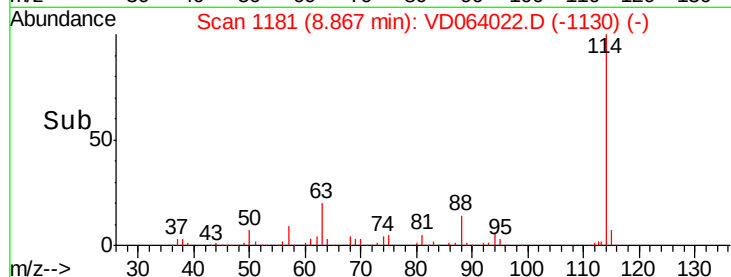
88 13.7 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.147 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

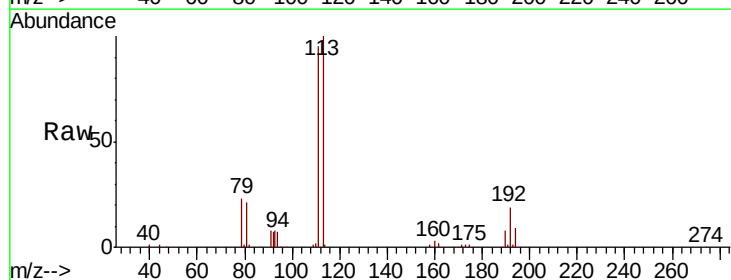
Tgt Ion:113 Resp: 98538

Ion Ratio Lower Upper

113 100

111 97.6 82.6 123.8

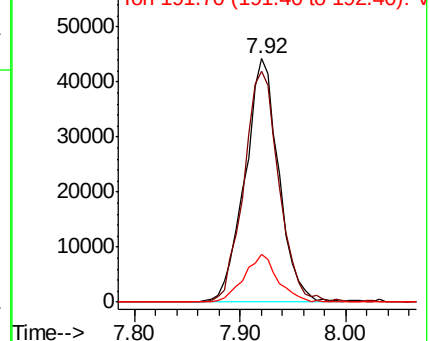
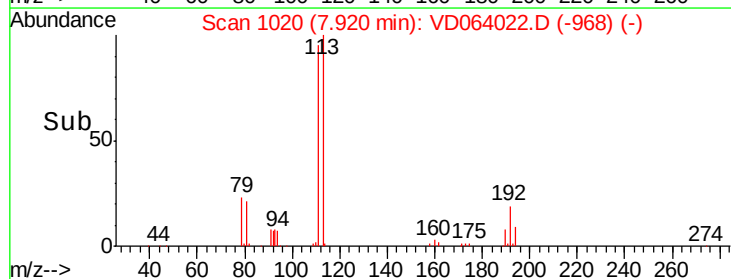
192 19.4 17.1 25.7

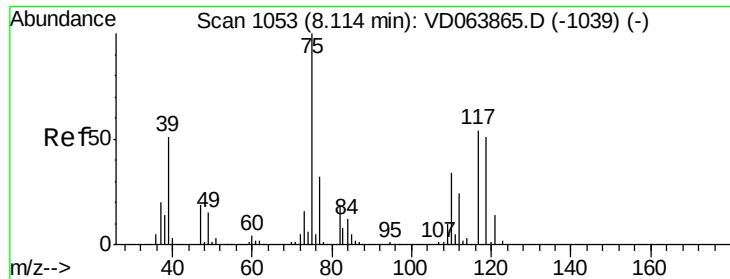


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

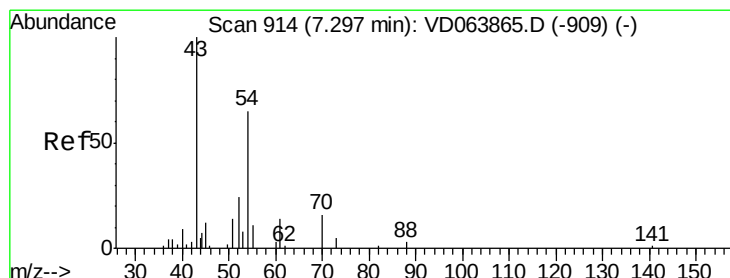
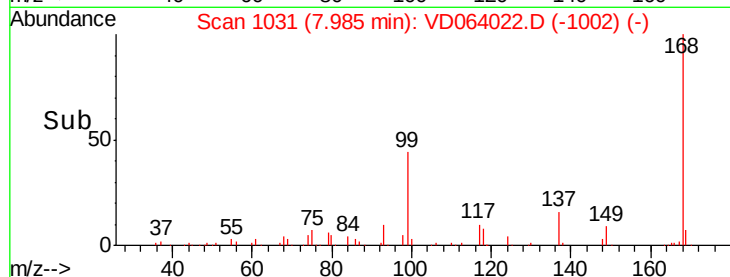
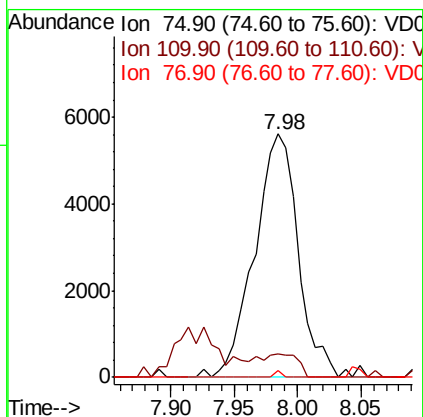
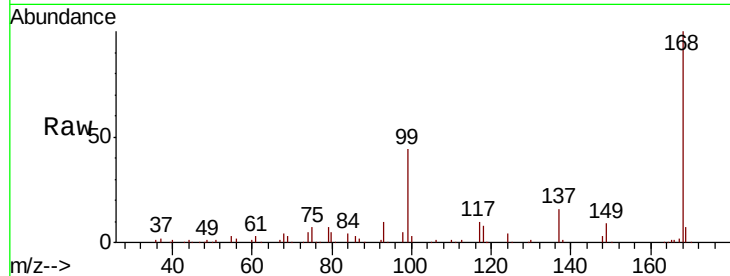




#36
 1,1-Dichloropropene
 Concen: 4.748 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064022.D
 Acq: 23 Oct 2019 15:50

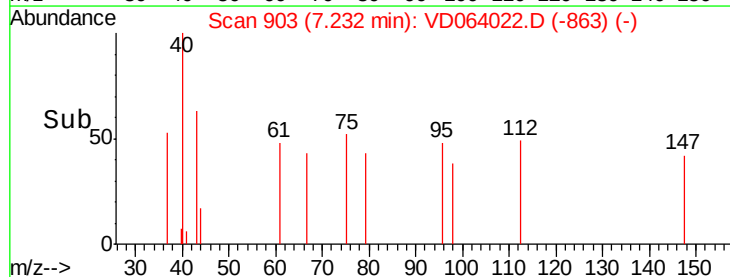
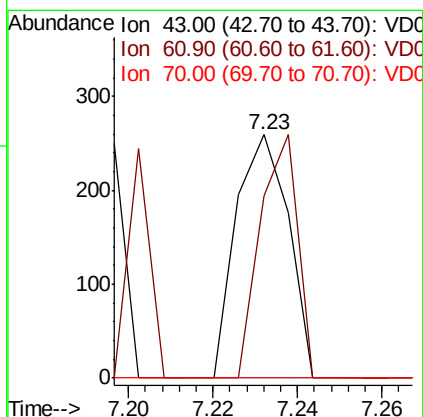
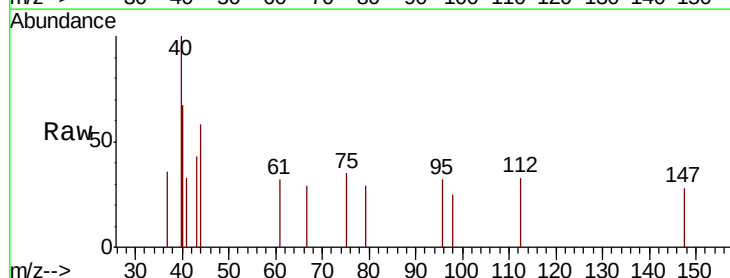
Instrument :
 MSVOA_D
 ClientSampleId :

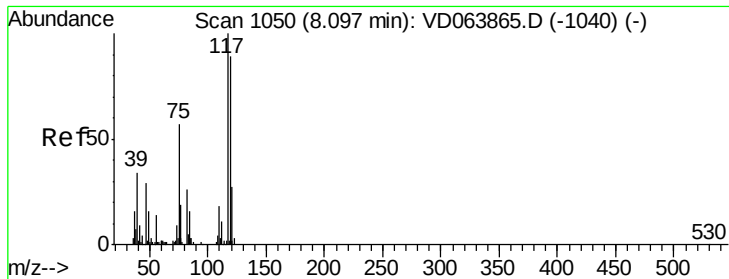
Tot Ion: 75 Resp: 13424
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.4 52.3#
 77 0.4 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.23 min Scan# 903
 Delta R.T. -0.06 min
 Lab File: VD064022.D
 Acq: 23 Oct 2019 15:50

Tgt Ion: 43 Resp: 222
 Ion Ratio Lower Upper
 43 100
 61 72.1 11.5 17.3#
 70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.681 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

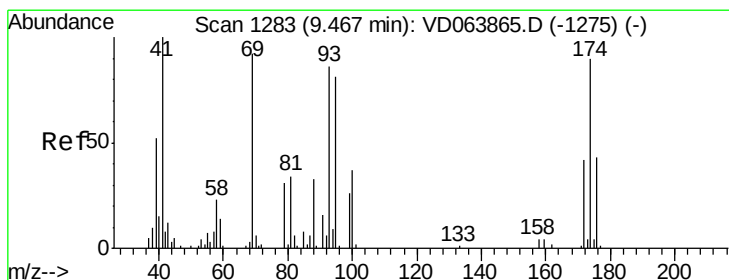
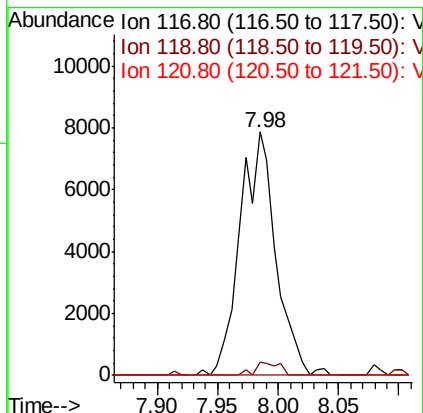
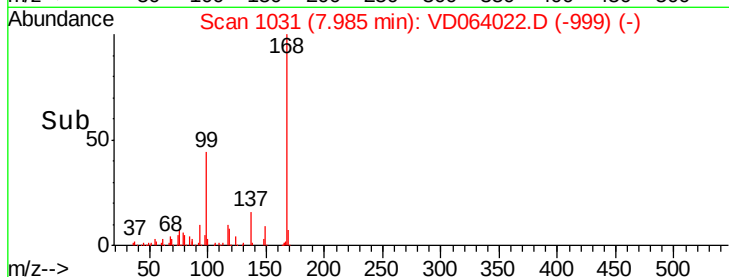
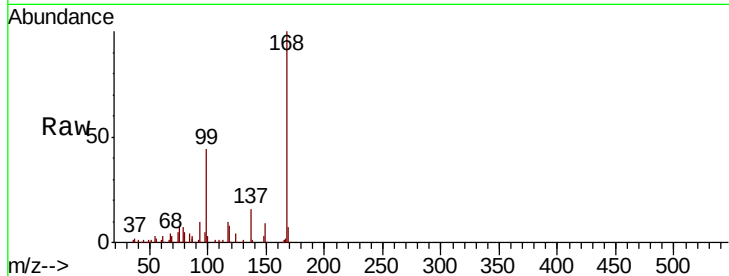
Tot Ion:117 Resp: 16230

Ion Ratio Lower Upper

117 100

119 5.5 70.8 106.2#

121 0.0 21.4 32.0#



#49

1,4-Dioxane

Concen: 4.995 ug/l

RT: 9.53 min Scan# 1293

Delta R.T. 0.06 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

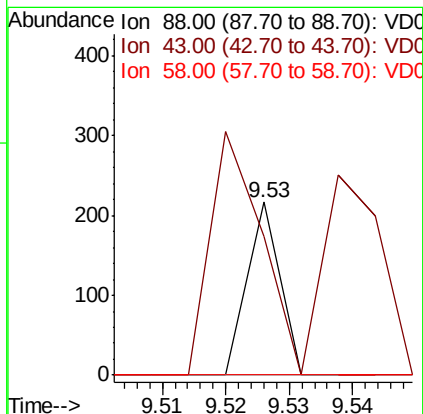
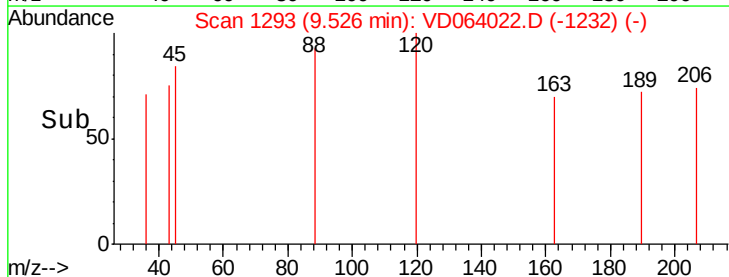
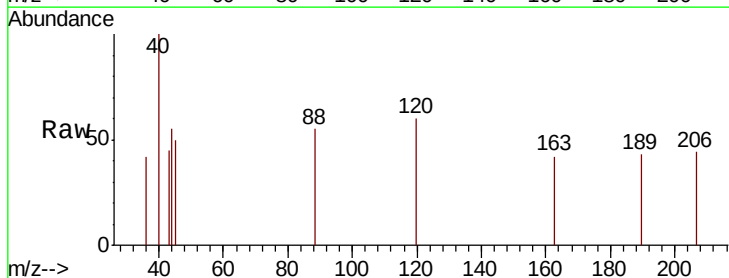
Tgt Ion: 88 Resp: 77

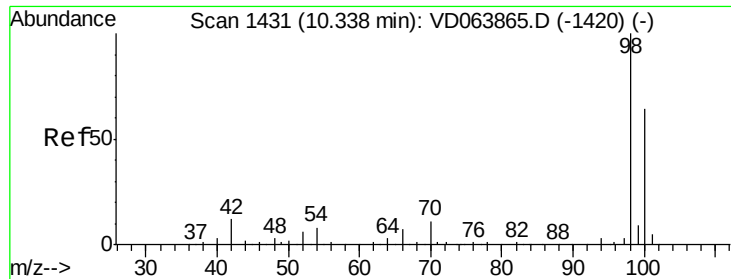
Ion Ratio Lower Upper

88 100

43 219.5 27.6 41.4#

58 0.0 54.1 81.1#

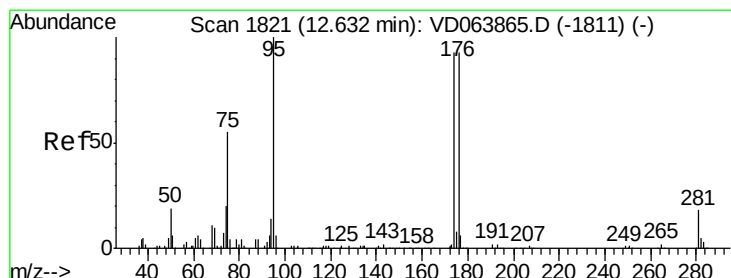
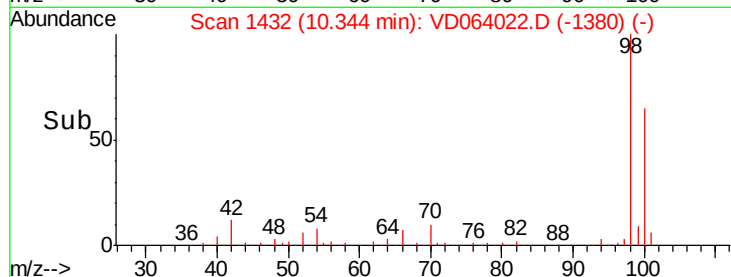
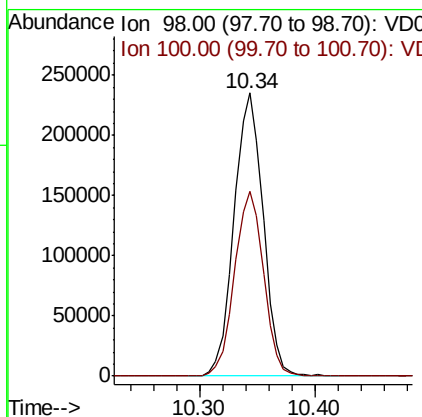
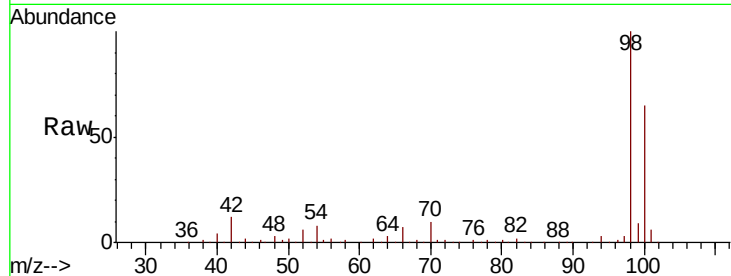




#50
Toluene-d8
Concen: 53.564 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064022.D
Acq: 23 Oct 2019 15:50

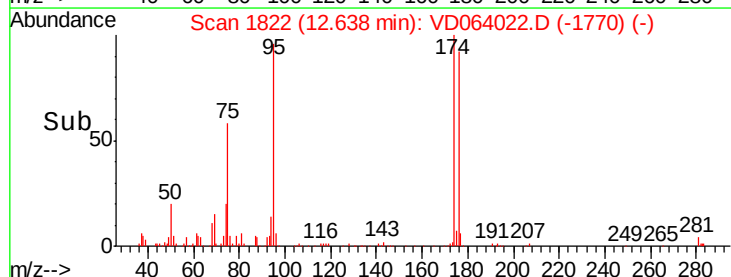
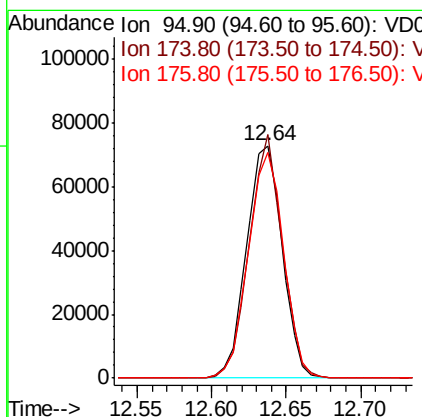
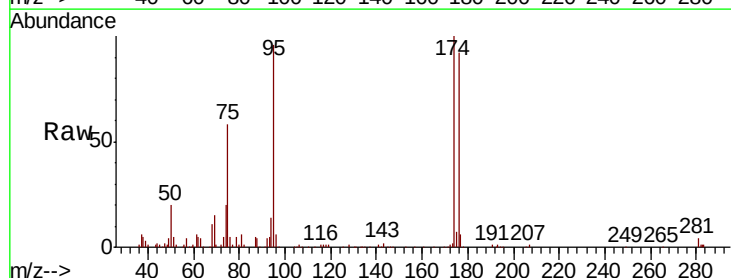
Instrument :
MSVOA_D
ClientSampled :

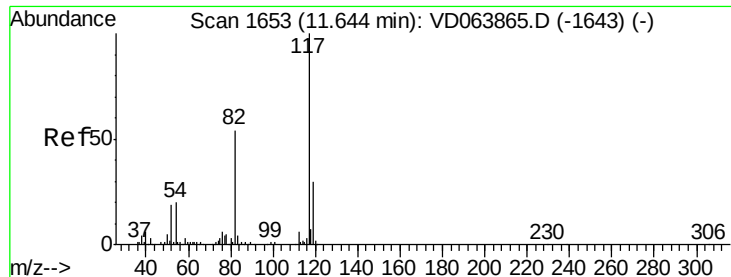
Tot Ion: 98 Resp: 410821
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.146 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064022.D
Acq: 23 Oct 2019 15:50

Tgt Ion: 95 Resp: 120324
Ion Ratio Lower Upper
95 100
174 96.4 0.0 186.4
176 96.1 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

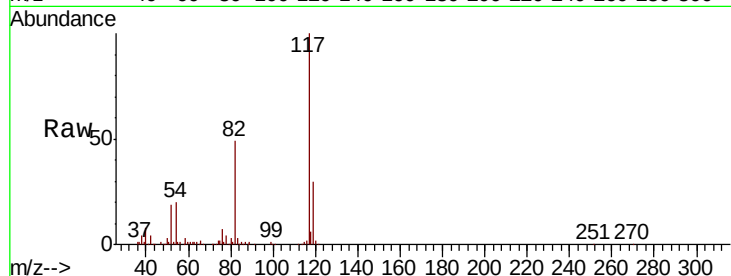
Tot Ion:117 Resp: 318705

Ion Ratio Lower Upper

117 100

82 48.6 42.8 64.2

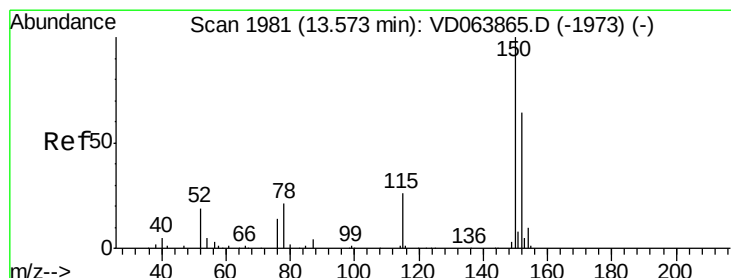
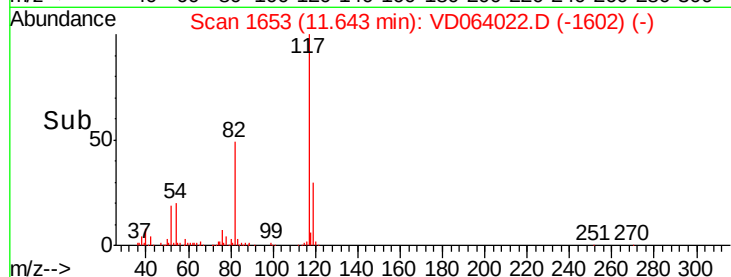
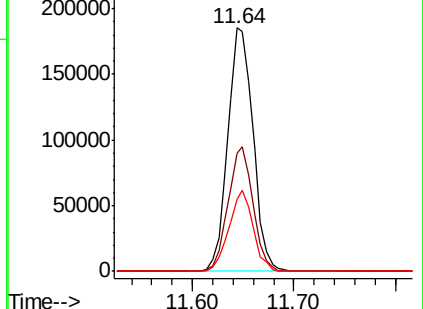
119 29.8 24.4 36.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

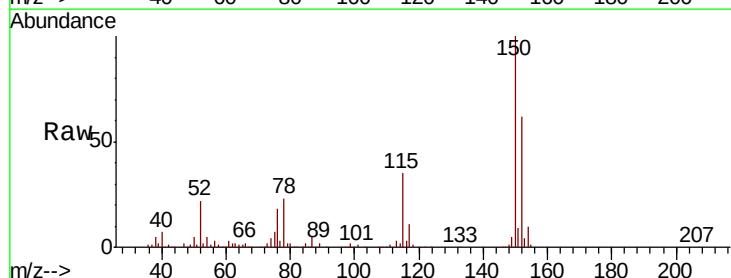
Tgt Ion:152 Resp: 144641

Ion Ratio Lower Upper

152 100

115 53.0 25.9 77.7

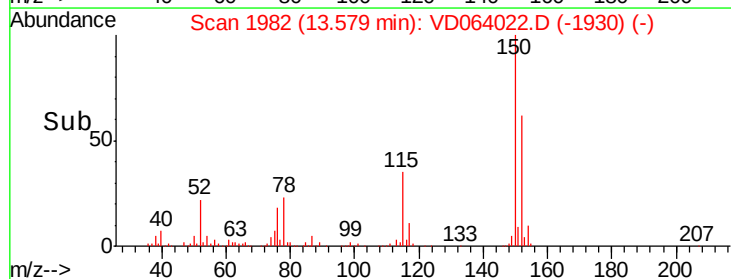
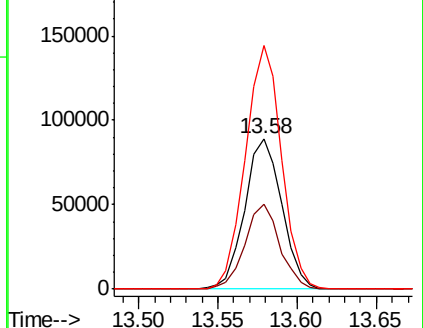
150 157.8 0.0 344.2

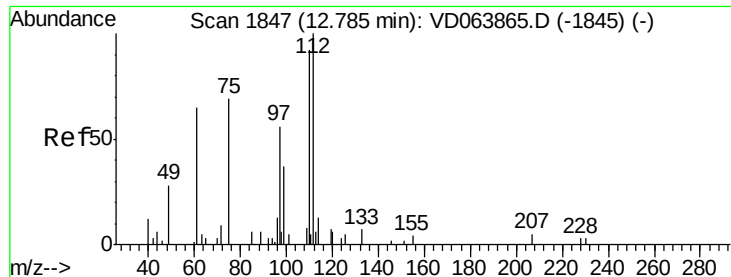


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 72.016 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

Instrument :

MSVOA_D

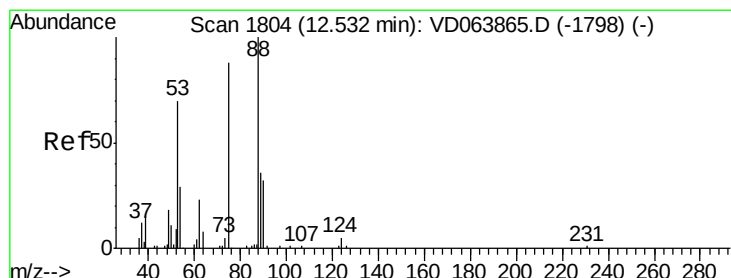
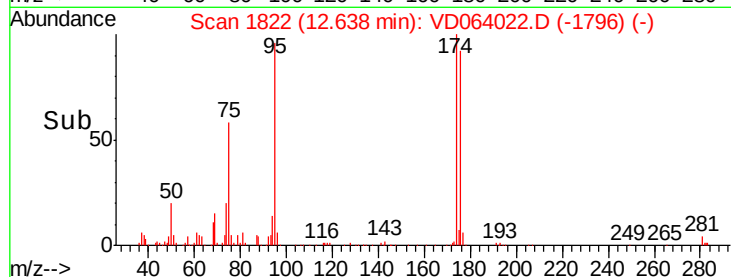
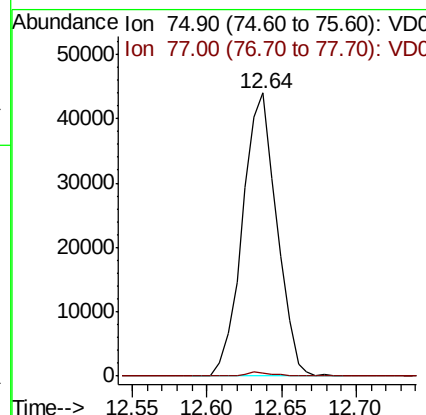
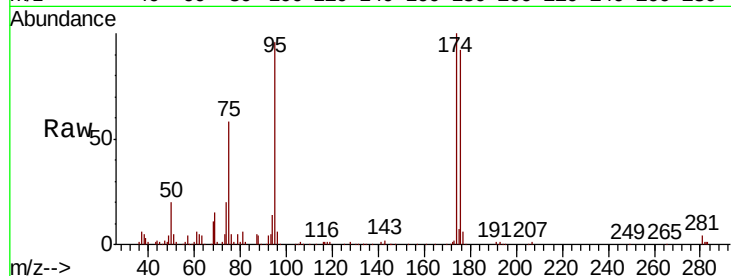
ClientSampleId :

Tot Ion: 75 Resp: 69767

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 127.440 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

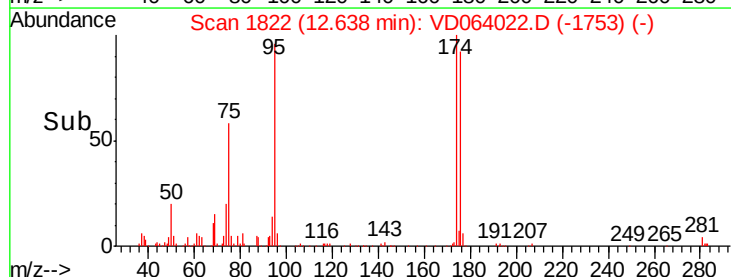
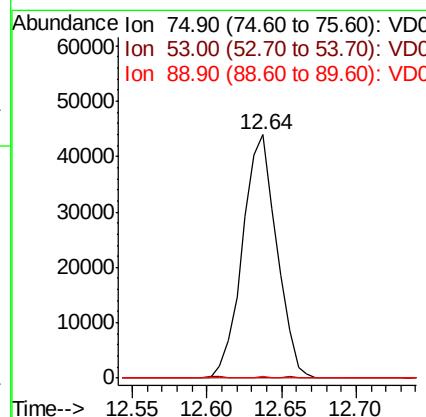
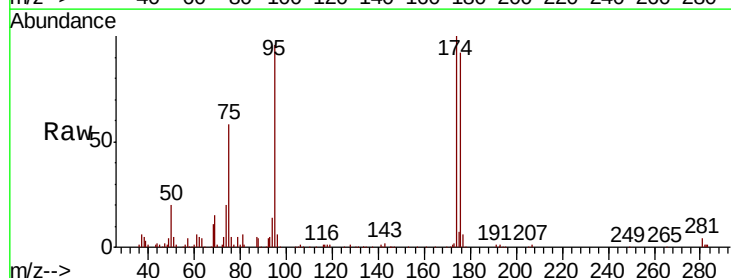
Tgt Ion: 75 Resp: 69767

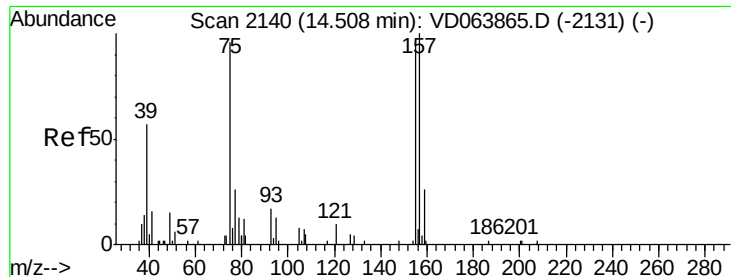
Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

89 0.1 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.54 min Scan# 2146

Delta R.T. 0.04 min

Lab File: VD064022.D

Acq: 23 Oct 2019 15:50

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 122

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

