

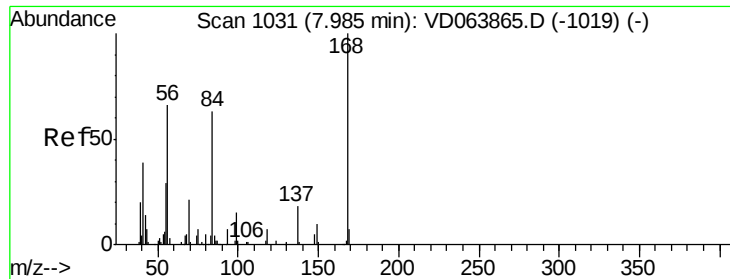
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063945.D
 Acq On : 11 Oct 2019 19:01
 Operator : VA/SY
 Sample : K5325-11
 Misc : 5.65G/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-J

Quant Time: Oct 12 01:39:20 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	144140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	256188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	248034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	113817	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	81106	57.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.60%	
35) Dibromofluoromethane	7.92	113	82303	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
50) Toluene-d8	10.34	98	330169	51.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.63	95	98652	44.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.34%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.20	50	580	Below Cal	#	40
11) Tert butyl alcohol	5.24	59	71	Below Cal	#	71
16) Acetone	4.17	43	13018	35.631	ug/l #	85
20) Methylene Chloride	4.97	84	4404	Below Cal	#	47
25) 2-Butanone	7.23	43	4640	10.716	ug/l	93
28) Bromochloromethane	7.57	49	59	1.923	ug/l #	10
31) Cyclohexane	7.98	56	3667	Below Cal	#	38
36) 1,1-Dichloropropene	7.98	75	11315	4.831	ug/l #	52
37) Ethyl Acetate	7.23	43	4640	1.034	ug/l #	68
38) Carbon Tetrachloride	7.98	117	12739	5.382	ug/l #	18
49) 1,4-Dioxane	9.43	88	72	5.637	ug/l #	24
74) N-amyl acetate	12.27	43	3518	2.136	ug/l #	64
76) 1,2,3-Trichloropropane	12.63	75	51411	67.441	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	51411	119.343	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.51	75	117	Below Cal	#	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063945.D

Acq: 11 Oct 2019 19:01

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MSVOA_D

ClientSampleId :

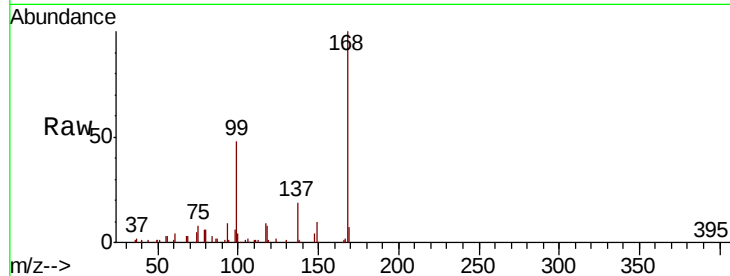
10-10-J

Tot Ion:168 Resp: 144140

Ion Ratio Lower Upper

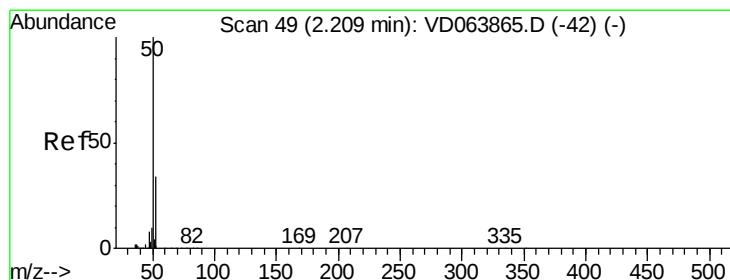
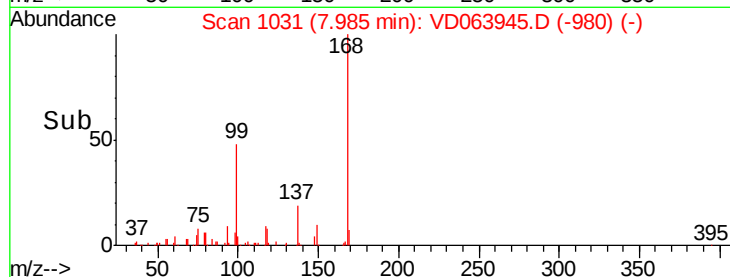
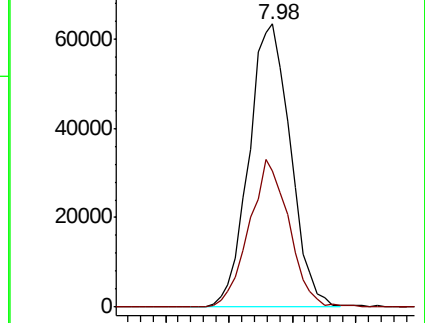
168 100

99 47.9 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: 2.20 min Scan# 47

Delta R.T. -0.01 min

Lab File: VD063945.D

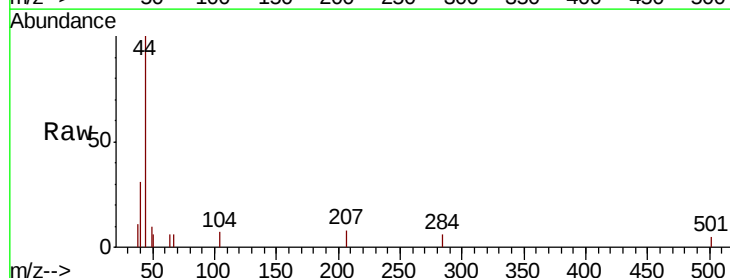
Acq: 11 Oct 2019 19:01

Tgt Ion: 50 Resp: 580

Ion Ratio Lower Upper

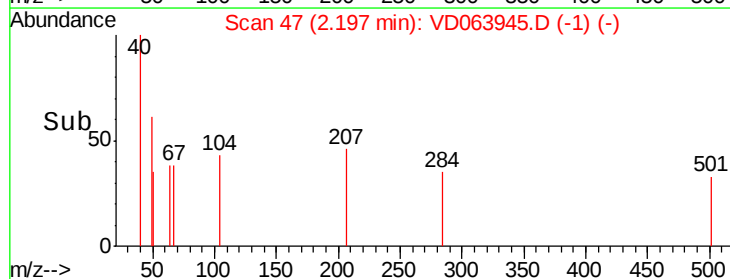
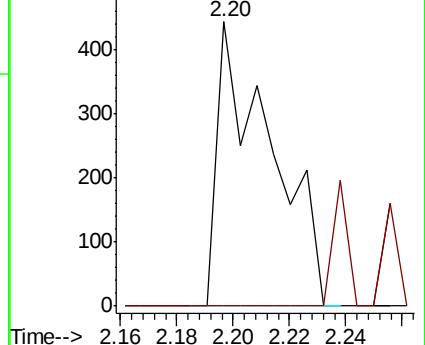
50 100

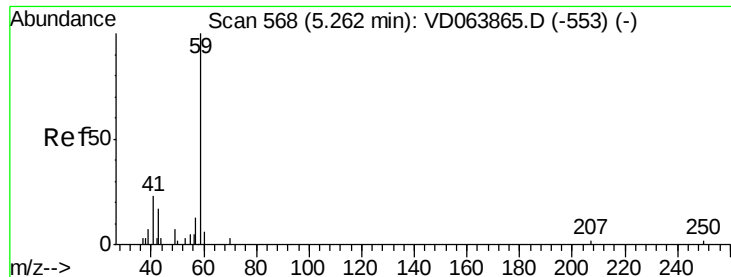
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



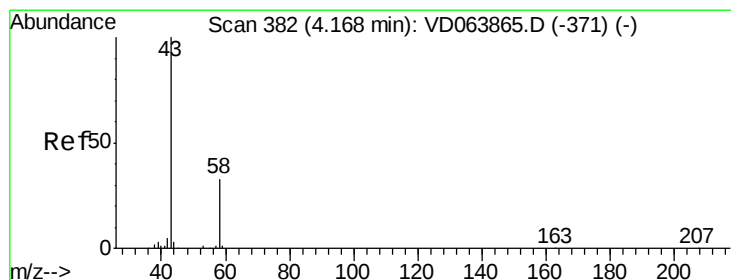
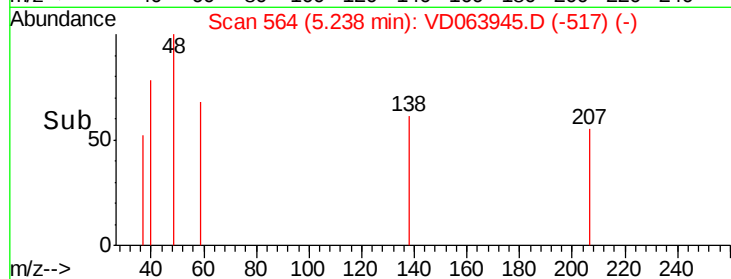
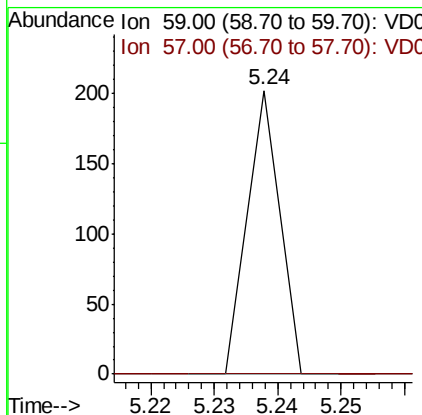
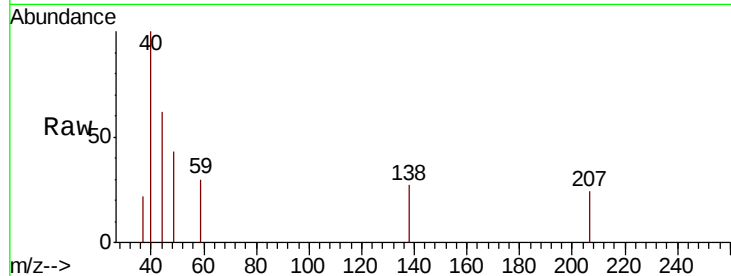


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.24 min Scan# 564
 Delta R.T. -0.02 min
 Lab File: VD063945.D
 Acq: 11 Oct 2019 19:01

Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-J

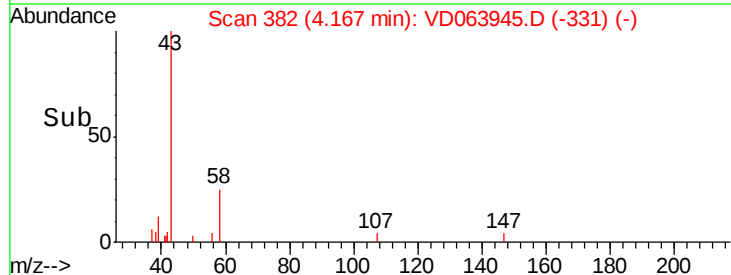
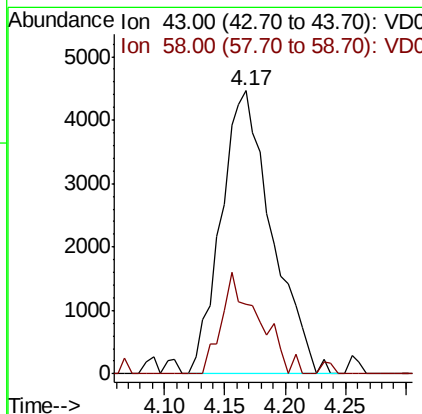
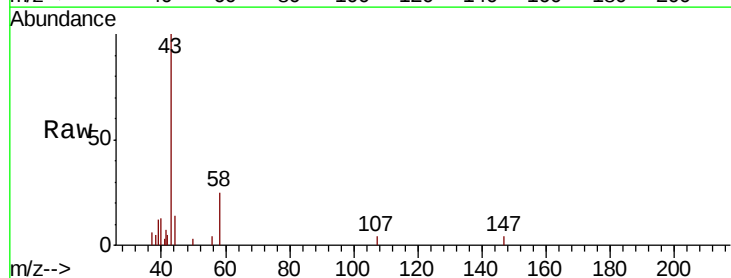
Tot Ion: 59 Resp: 71
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

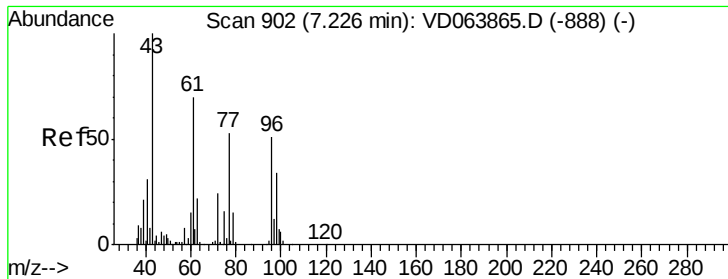


#16

Acetone
 Concen: 35.631 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD063945.D
 Acq: 11 Oct 2019 19:01

Tgt Ion: 43 Resp: 13018
 Ion Ratio Lower Upper
 43 100
 58 24.6 26.2 39.4#

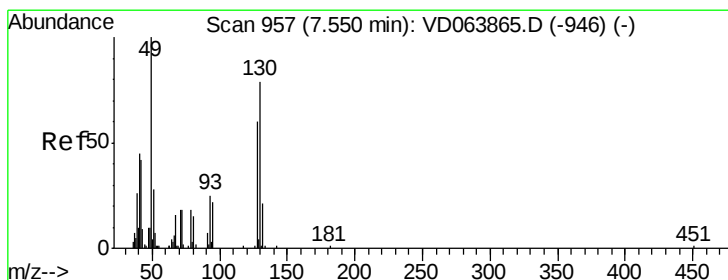
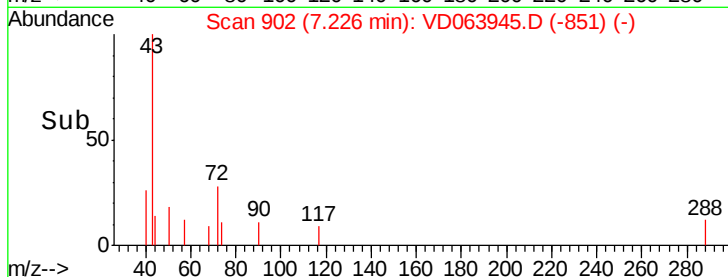
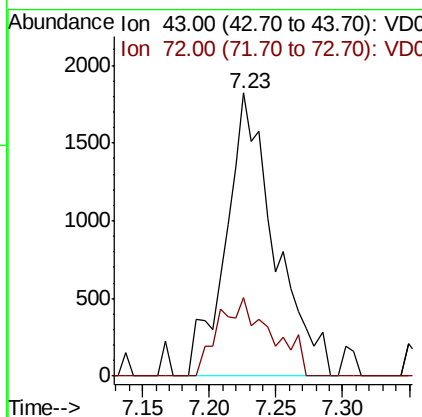
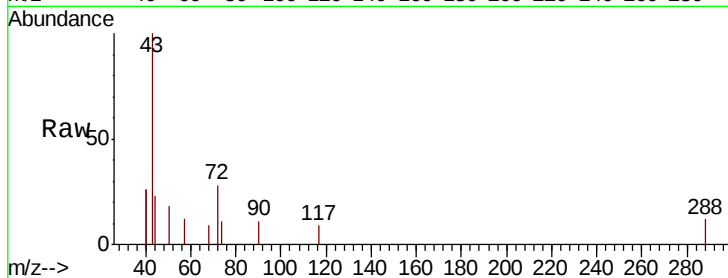




#25
2-Butanone
Concen: 10.716 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

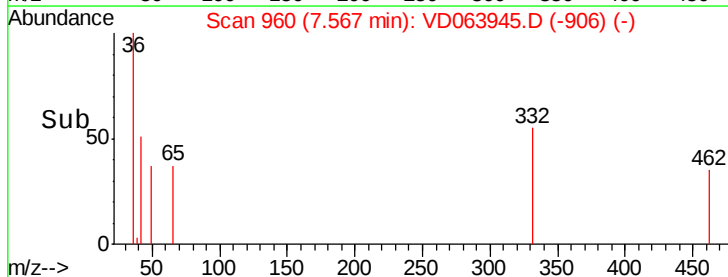
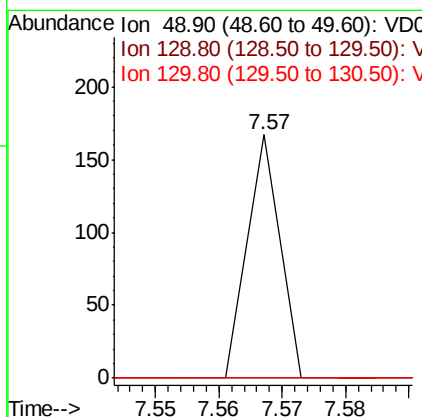
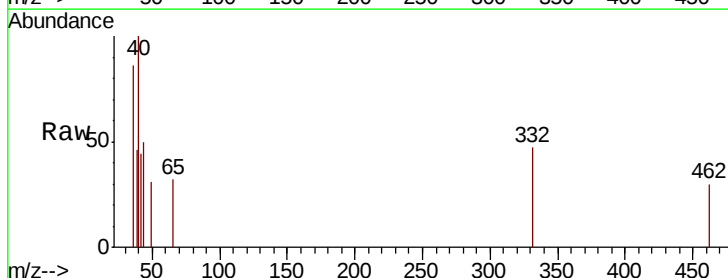
Instrument :
MSVOA_D
ClientSampleId :
10-10-J

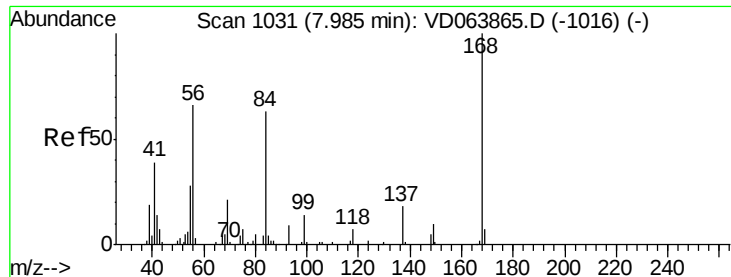
Tot Ion: 43 Resp: 4640
Ion Ratio Lower Upper
43 100
72 27.6 19.2 28.8



#28
Bromochloromethane
Concen: 1.923 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.02 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

Tgt Ion: 49 Resp: 59
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

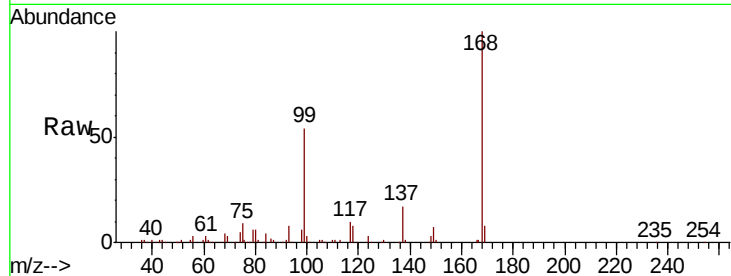




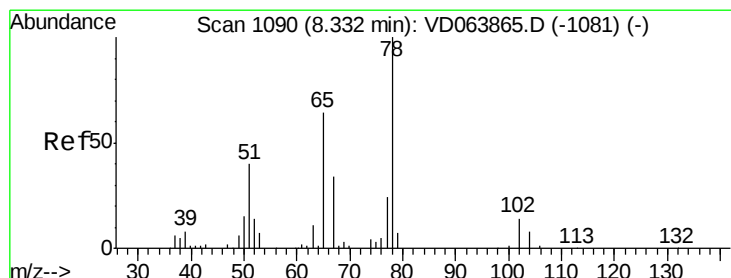
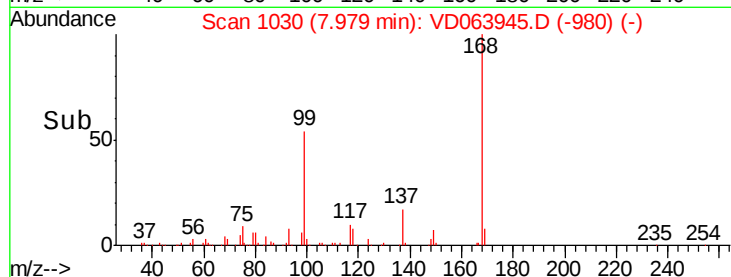
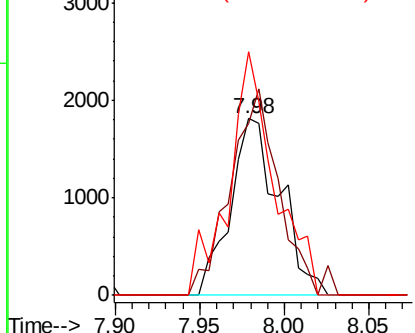
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

Instrument :
MSVOA_D
ClientSampleId :
10-10-J

Tot Ion: 56 Resp: 3667
Ion Ratio Lower Upper
56 100
69 97.5 25.0 37.4#
84 137.7 76.3 114.5#

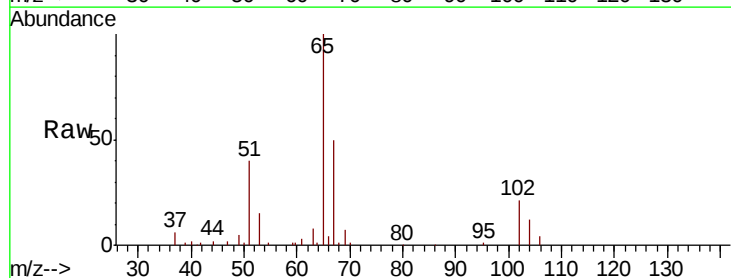


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

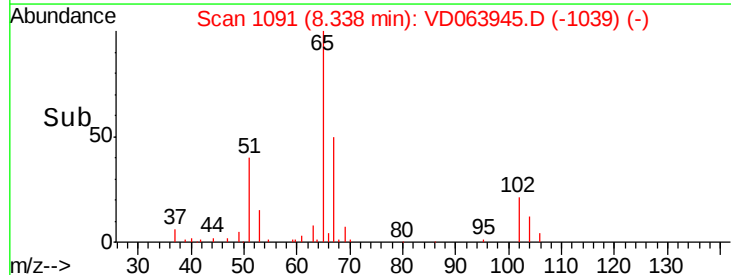
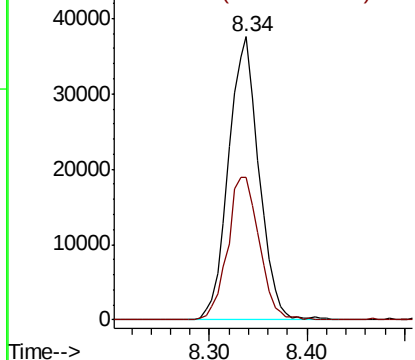


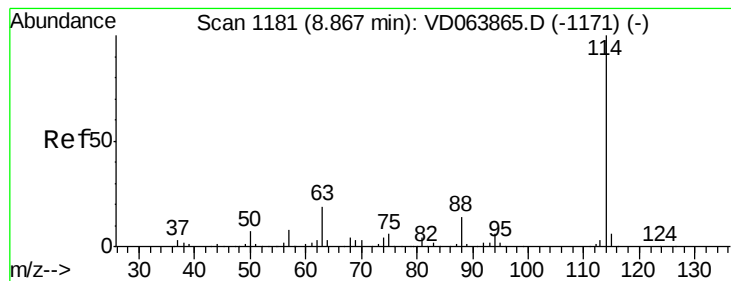
#33
1,2-Dichloroethane-d4
Concen: 57.796 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

Tgt Ion: 65 Resp: 81106
Ion Ratio Lower Upper
65 100
67 52.4 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: VD063945.D

Acq: 11 Oct 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

10-10-J

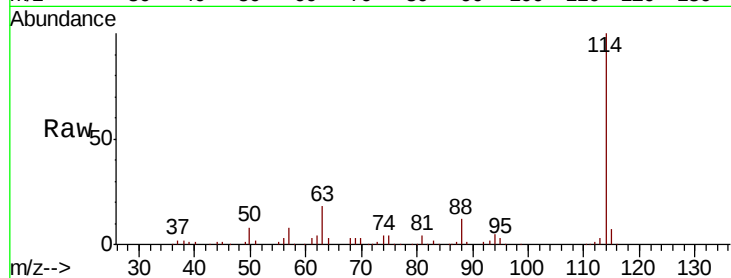
Tot Ion:114 Resp: 256188

Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

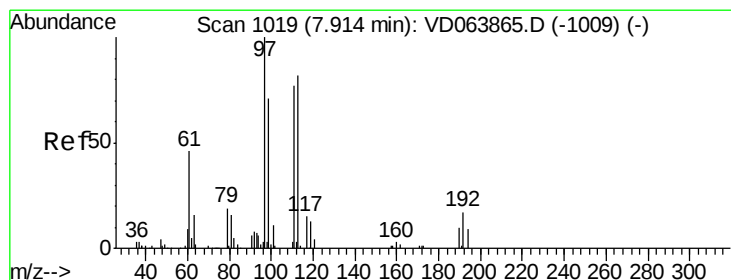
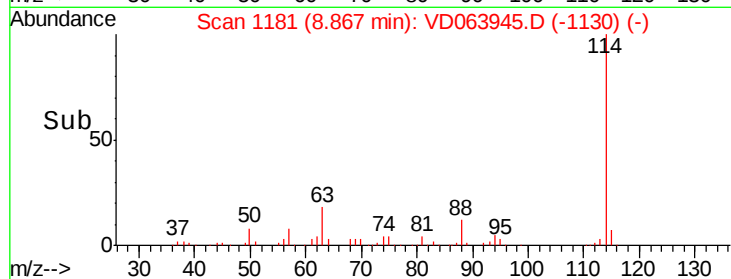
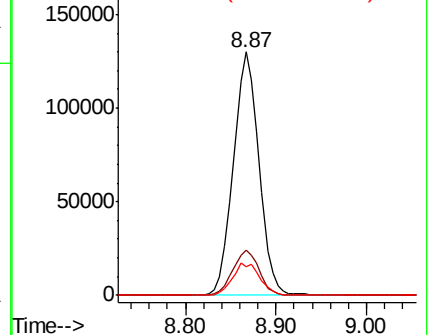
88 11.9 0.0 27.4



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: 52.568 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063945.D

Acq: 11 Oct 2019 19:01

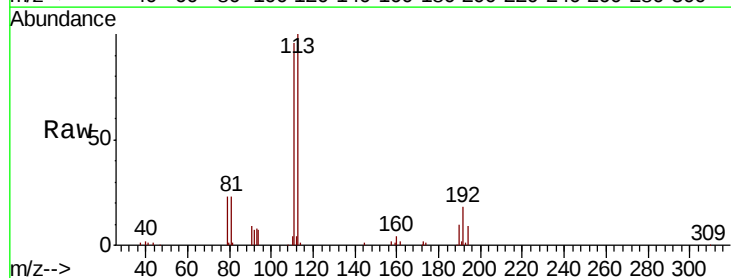
Tgt Ion:113 Resp: 82303

Ion Ratio Lower Upper

113 100

111 100.8 82.6 123.8

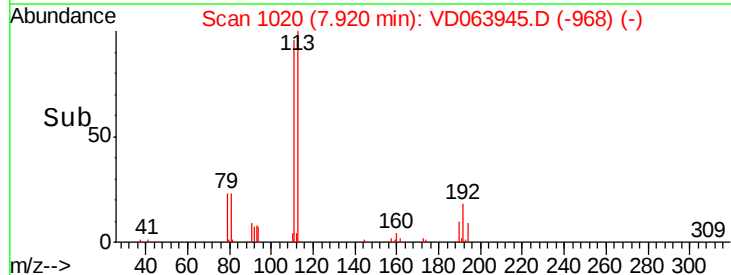
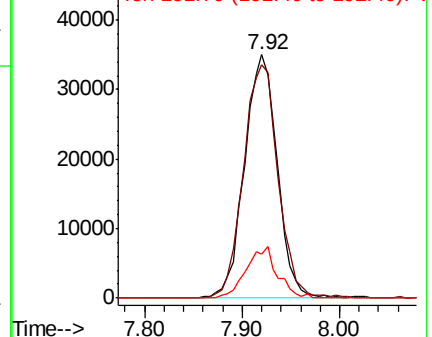
192 19.8 17.1 25.7

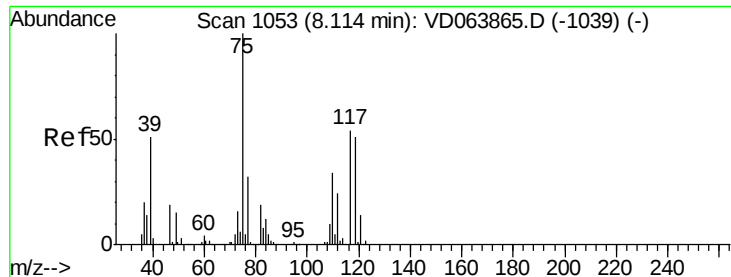


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

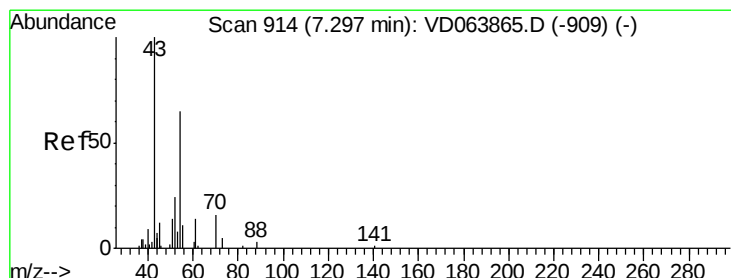
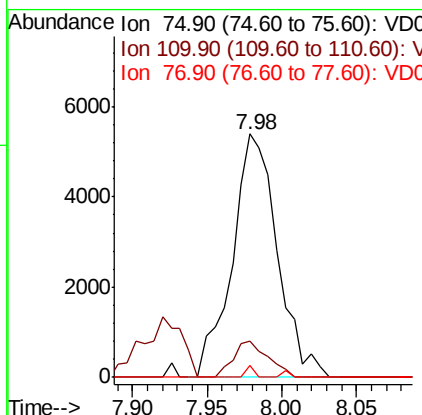
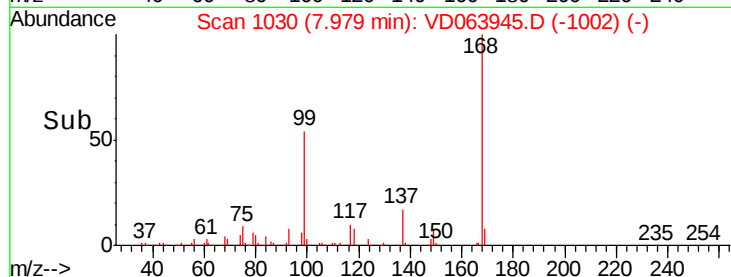
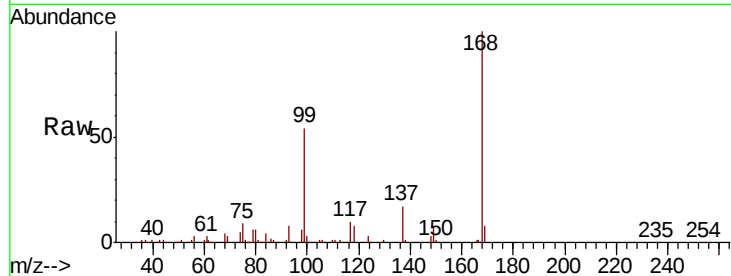




#36
 1,1-Dichloropropene
 Concen: 4.831 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063945.D
 Acq: 11 Oct 2019 19:01

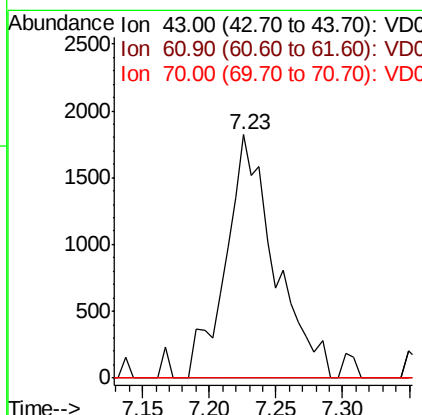
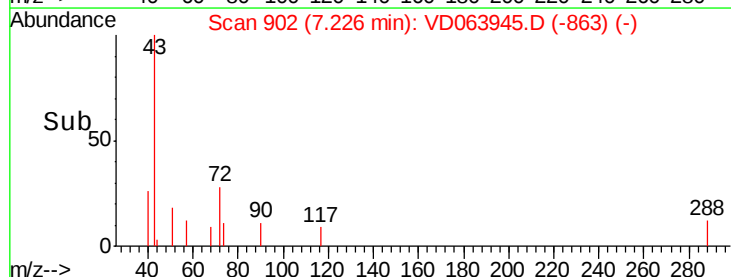
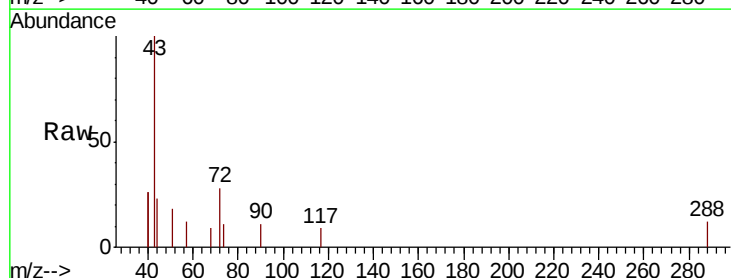
Instrument :
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 10-10-J

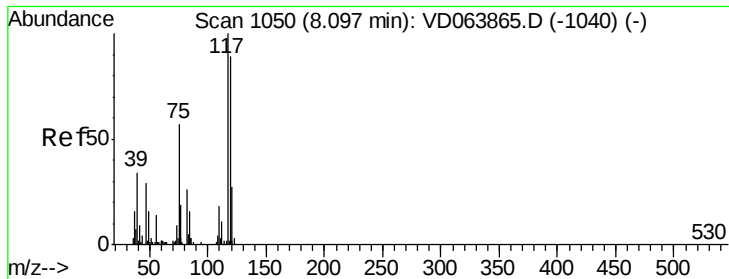
Tot Ion: 75 Resp: 11315
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.4 52.3#
 77 0.8 25.4 38.0#



#37
 Ethyl Acetate
 Concen: 1.034 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.07 min
 Lab File: VD063945.D
 Acq: 11 Oct 2019 19:01

Tgt Ion: 43 Resp: 4640
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.382 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD063945.D

Acq: 11 Oct 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

10-10-J

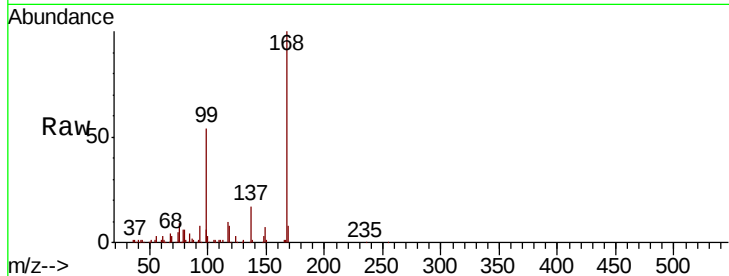
Tot Ion:117 Resp: 12739

Ion Ratio Lower Upper

117 100

119 3.6 70.8 106.2#

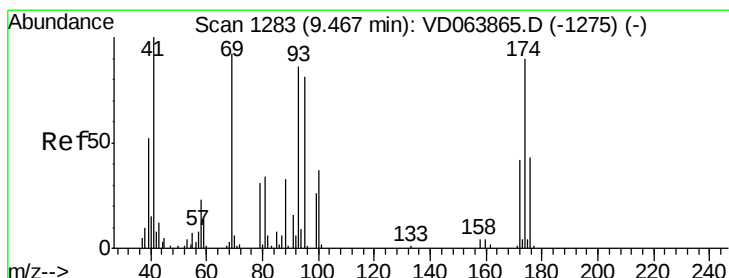
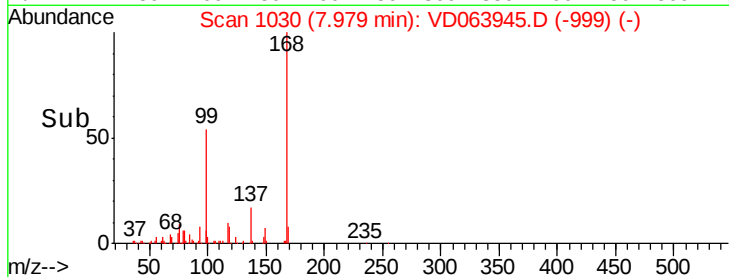
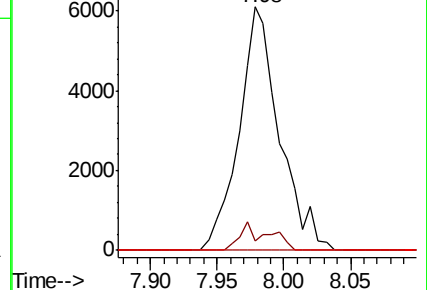
121 0.0 21.4 32.0#



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: 5.637 ug/l

RT: 9.43 min Scan# 1276

Delta R.T. -0.04 min

Lab File: VD063945.D

Acq: 11 Oct 2019 19:01

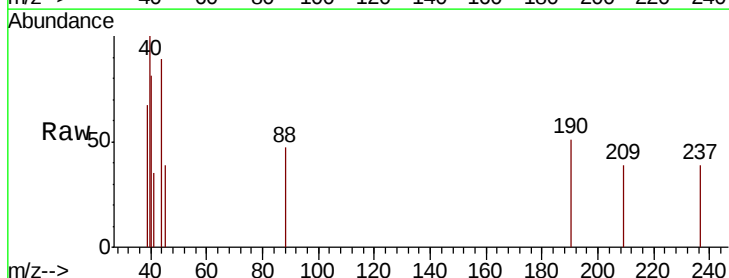
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 27.6 41.4#

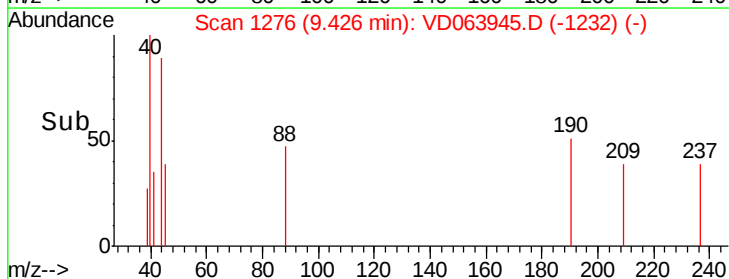
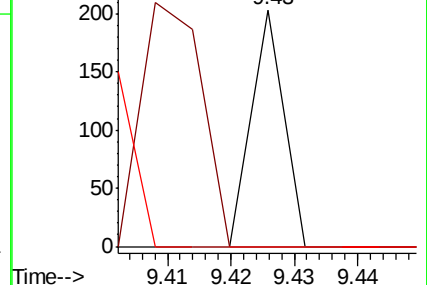
58 0.0 54.1 81.1#

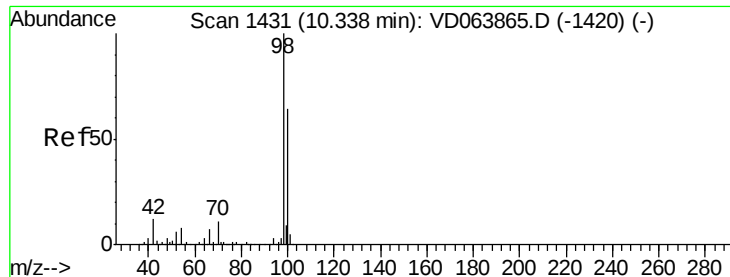


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 51.957 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD063945.D

Acq: 11 Oct 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

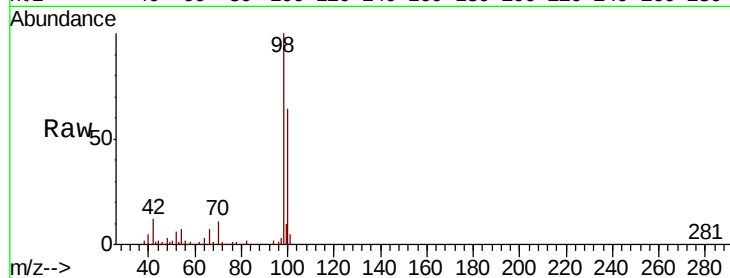
10-10-J

Tot Ion: 98 Resp: 330169

Ion Ratio Lower Upper

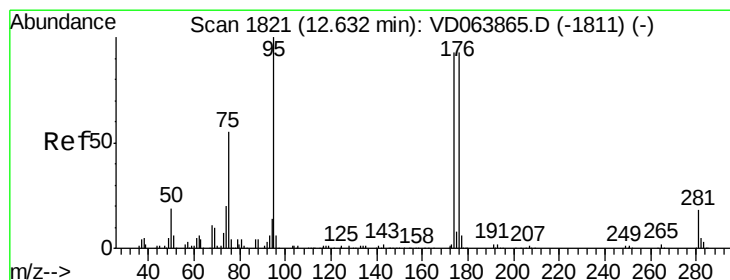
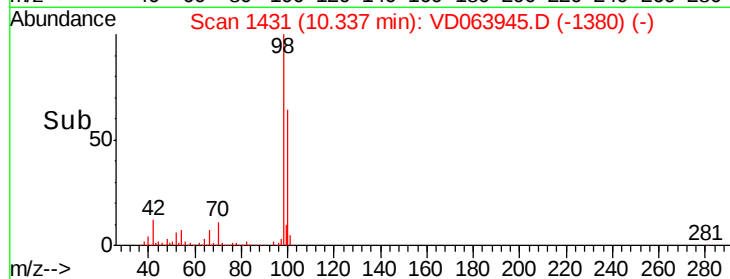
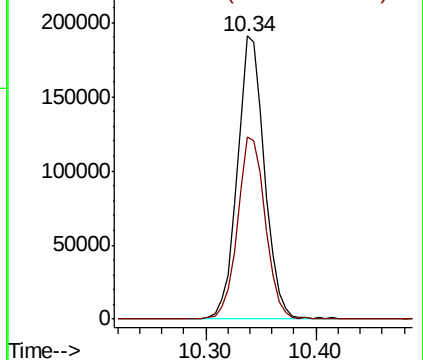
98 100

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: 44.674 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063945.D

Acq: 11 Oct 2019 19:01

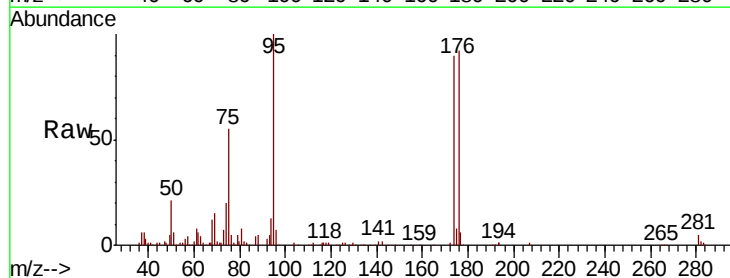
Tgt Ion: 95 Resp: 98652

Ion Ratio Lower Upper

95 100

174 93.6 0.0 186.4

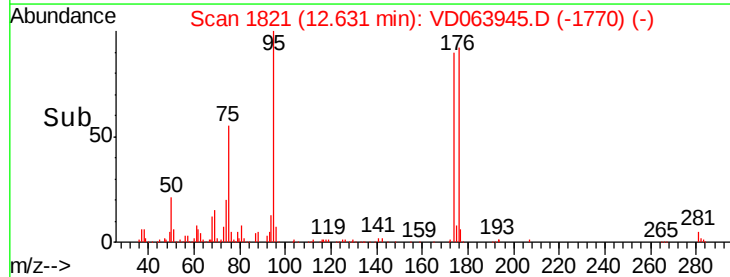
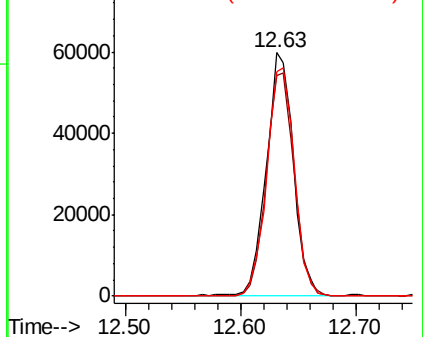
176 94.8 0.0 184.2

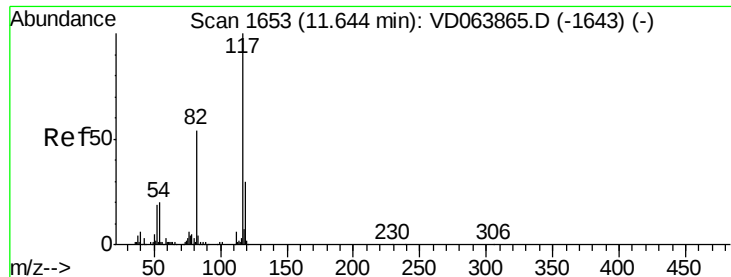


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

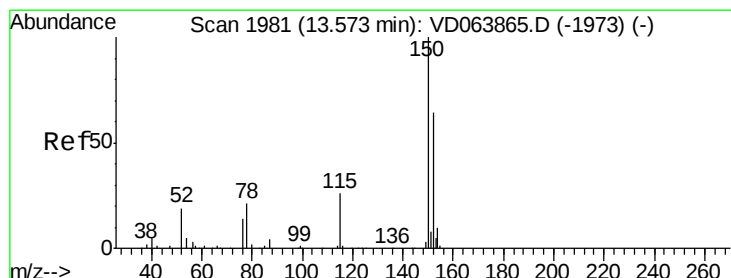
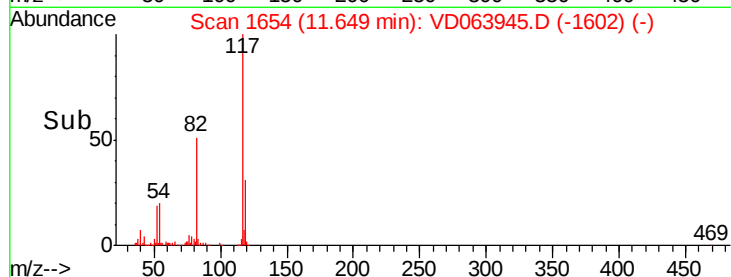
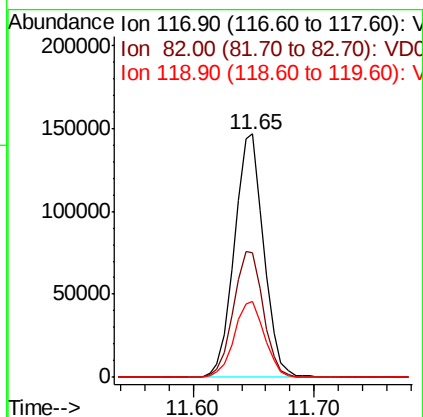
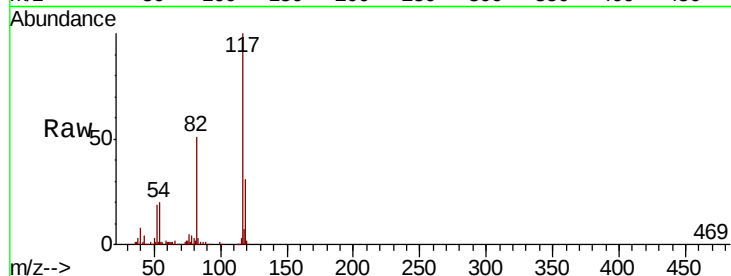




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

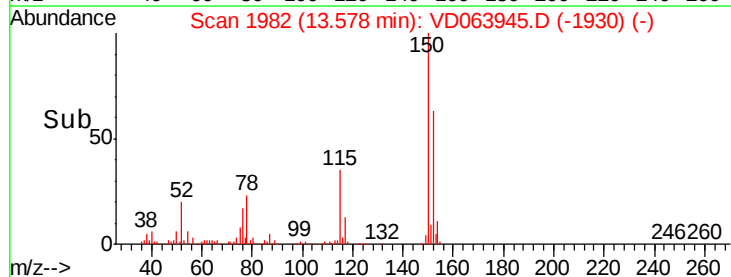
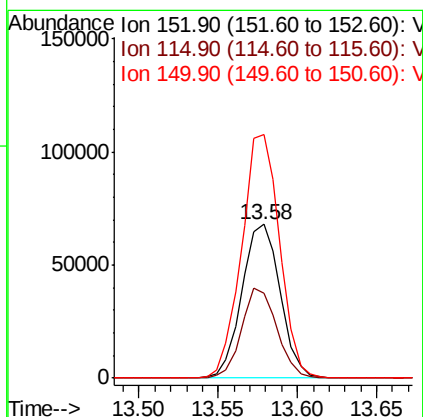
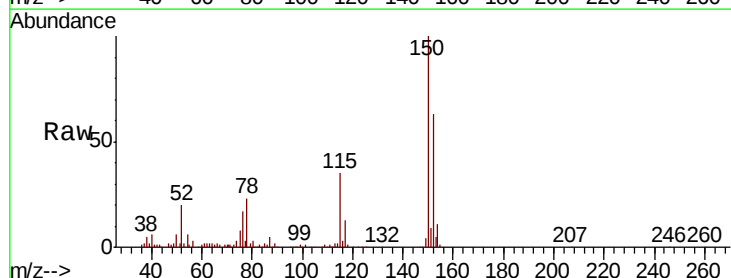
Instrument :
MSVOA_D
ClientSampleId :
10-10-J

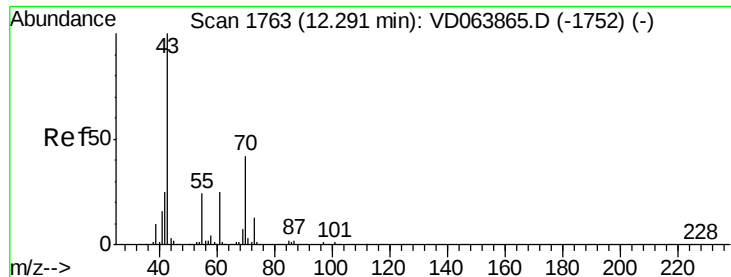
Tot Ion:117 Resp: 248034
Ion Ratio Lower Upper
117 100
82 51.0 42.8 64.2
119 31.0 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

Tgt Ion:152 Resp: 113817
Ion Ratio Lower Upper
152 100
115 54.1 25.9 77.7
150 158.0 0.0 344.2

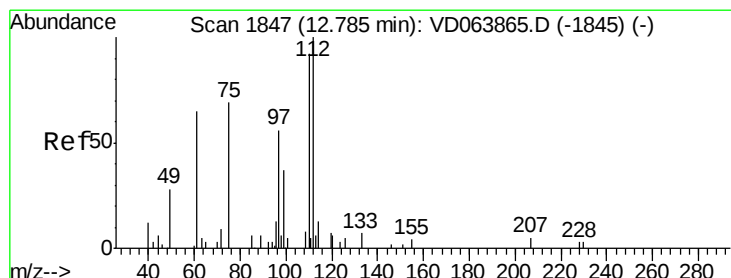
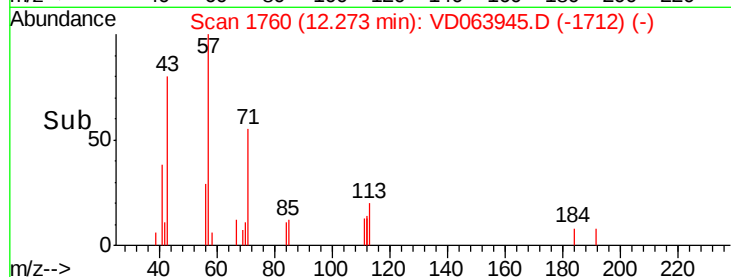
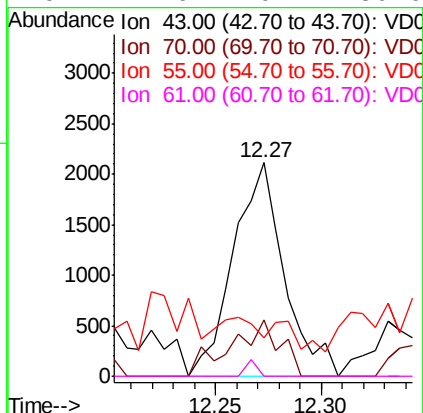
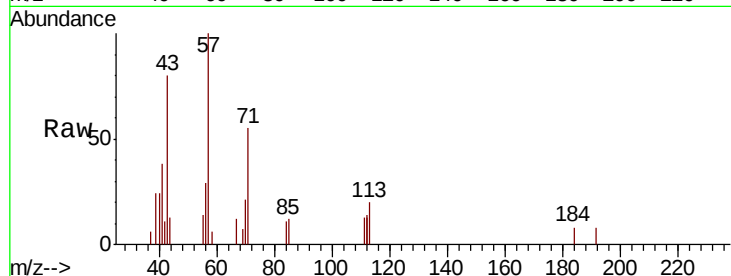




#74
N-amvl acetate
Concen: 2.136 ug/l
RT: 12.27 min Scan# 1760
Delta R.T. -0.02 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

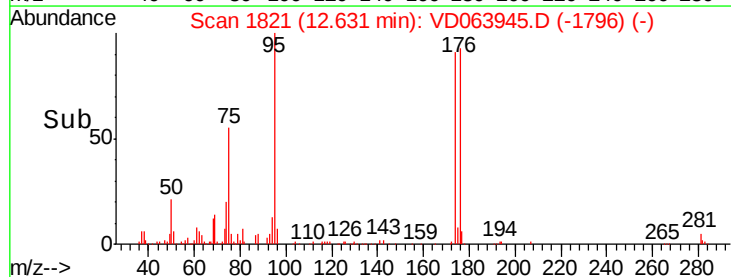
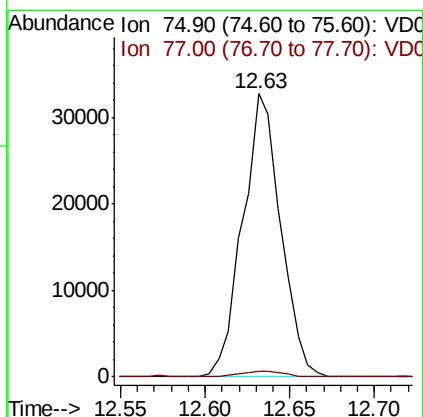
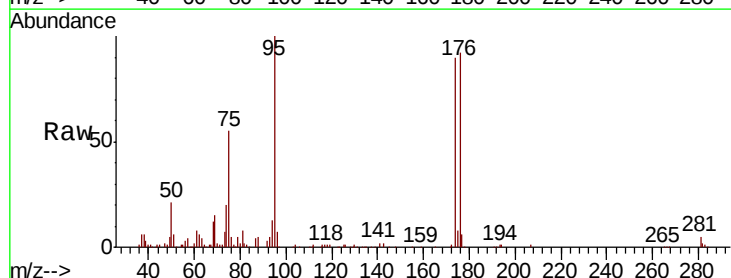
Instrument :
MSVOA_D
ClientSampleId :
10-10-J

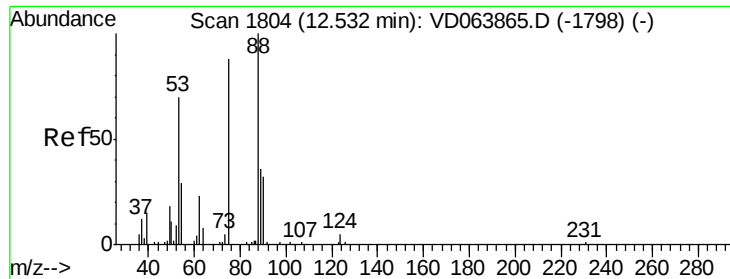
Tot Ion: 43 Resp: 3518
Ion Ratio Lower Upper
43 100
70 25.6 35.8 53.6#
55 6.0 19.4 29.0#
61 1.6 20.4 30.6#



#76
1,2,3-Trichloropropane
Concen: 67.441 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD063945.D
Acq: 11 Oct 2019 19:01

Tgt Ion: 75 Resp: 51411
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 119.343 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063945.D

Acq: 11 Oct 2019 19:01

Instrument :

MSVOA_D

ClientSampleId :

10-10-J

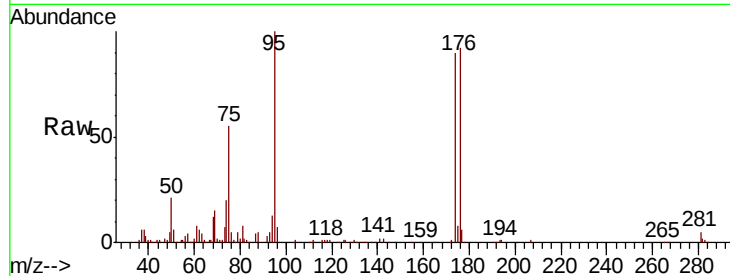
Tot Ion: 75 Resp: 51411

Ion Ratio Lower Upper

75 100

53 0.7 75.0 112.6#

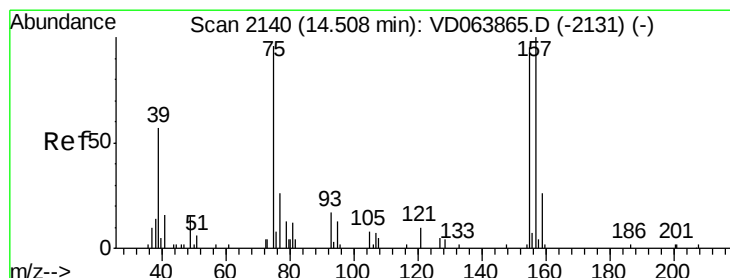
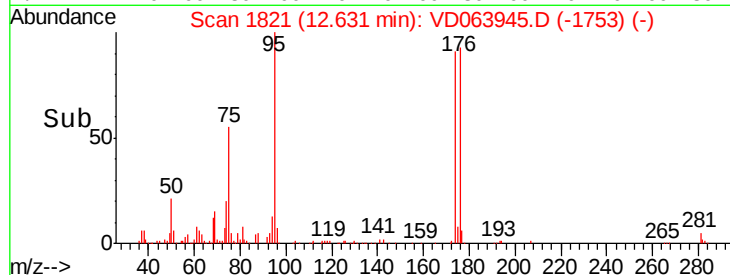
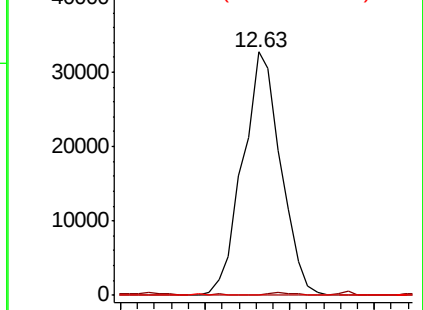
89 0.0 38.2 57.4#



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: VD063945.D

Acq: 11 Oct 2019 19:01

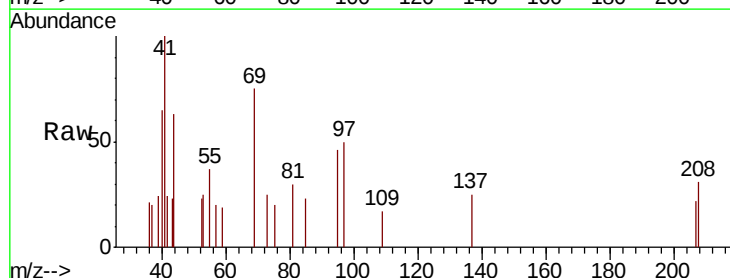
Tgt Ion: 75 Resp: 117

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

