

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064035.D
 Acq On : 23 Oct 2019 21:58
 Operator : VA/SY
 Sample : K5501-06
 Misc : 6.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 06:01:06 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	128280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	247431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	269898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123285	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	76256	61.06	ug/l	0.00
Spiked Amount			Recovery	=	122.12%	
35) Dibromofluoromethane	7.92	113	77677	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.34	98	346103	56.39	ug/l	0.00
Spiked Amount			Recovery	=	112.78%	
62) 4-Bromofluorobenzene	12.64	95	100036	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	

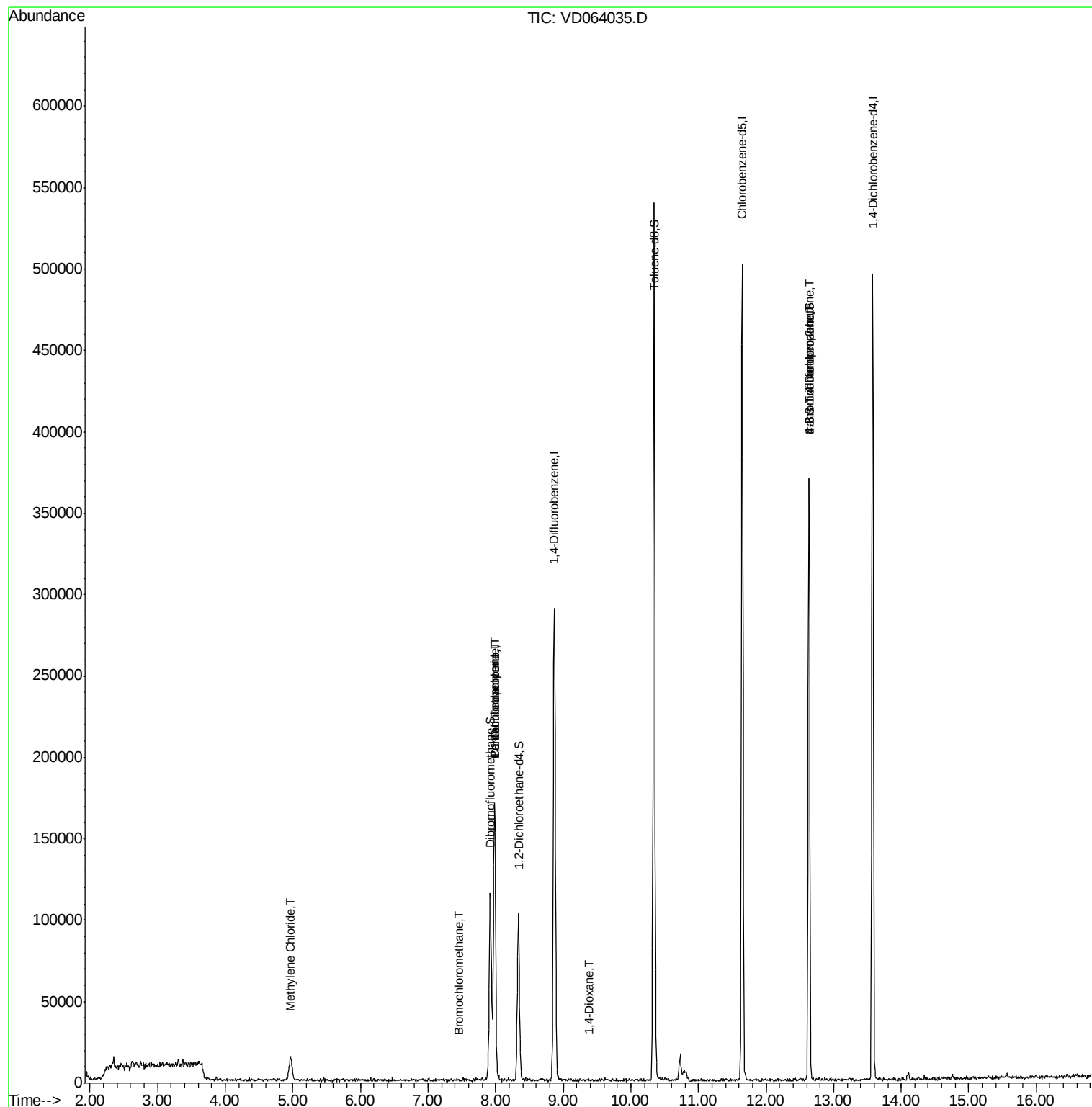
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	164	Below Cal	#	40
11) Tert butyl alcohol	5.25	59	65	Below Cal	#	71
20) Methylene Chloride	4.96	84	10166	4.295	ug/l	97
28) Bromochloromethane	7.46	49	83	1.958	ug/l #	10
31) Cyclohexane	7.99	56	3490	Below Cal	#	61
36) 1,1-Dichloropropene	7.98	75	10431	4.611	ug/l #	48
37) Ethyl Acetate	7.30	43	156	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	12305	5.382	ug/l #	22
49) 1,4-Dioxane	9.38	88	54	4.377	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	57892	70.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	57892	124.067	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.56	75	58	Below Cal	#	1

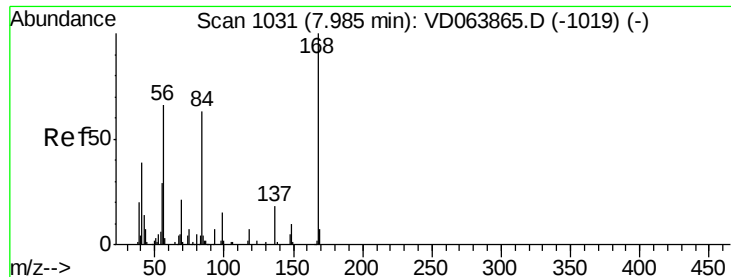
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064035.D

Acq: 23 Oct 2019 21:58

Instrument :

MSVOA_D

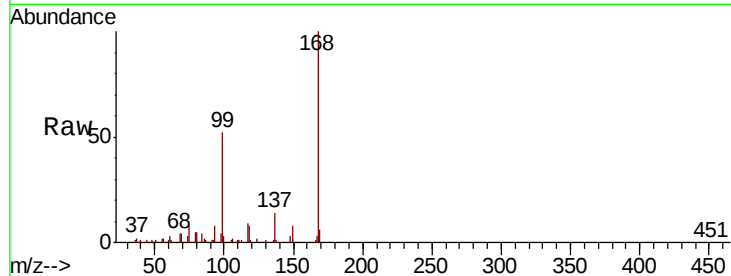
ClientSampleId :

Tot Ion:168 Resp: 128280

Ion Ratio Lower Upper

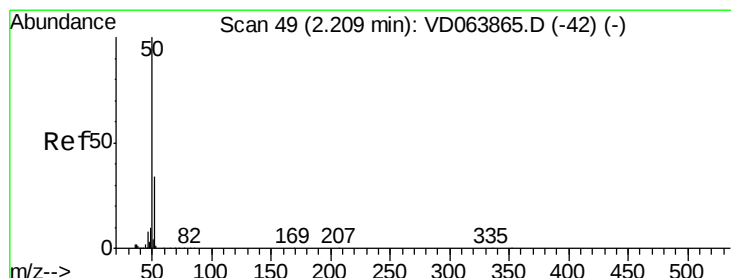
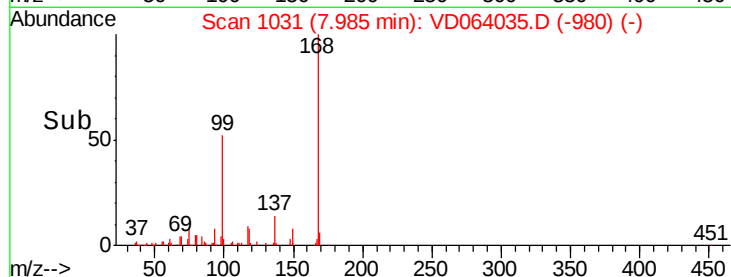
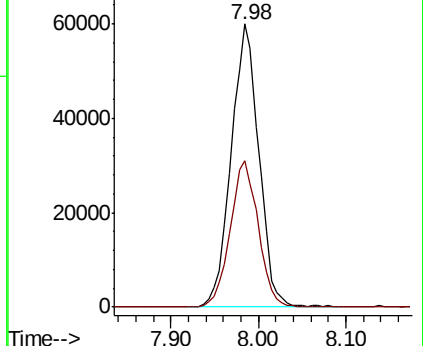
168 100

99 51.6 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: VD064035.D

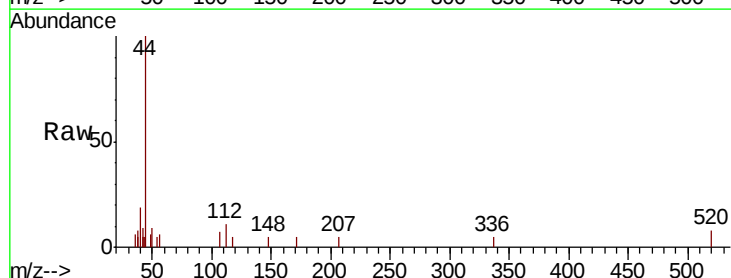
Acq: 23 Oct 2019 21:58

Tgt Ion: 50 Resp: 164

Ion Ratio Lower Upper

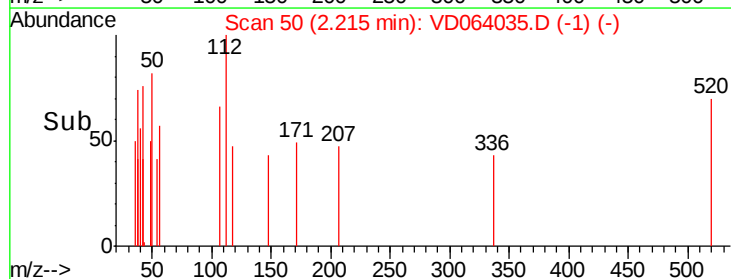
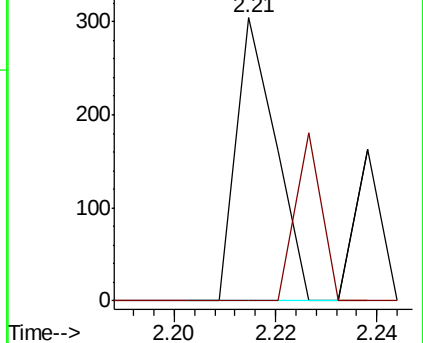
50 100

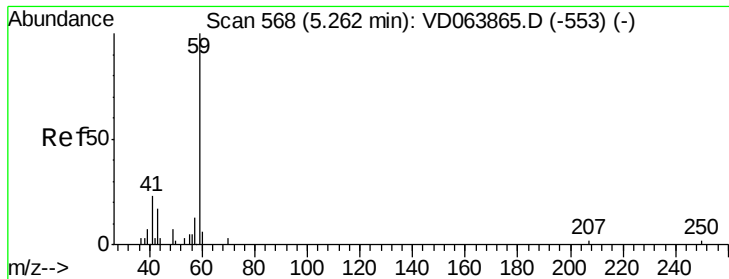
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

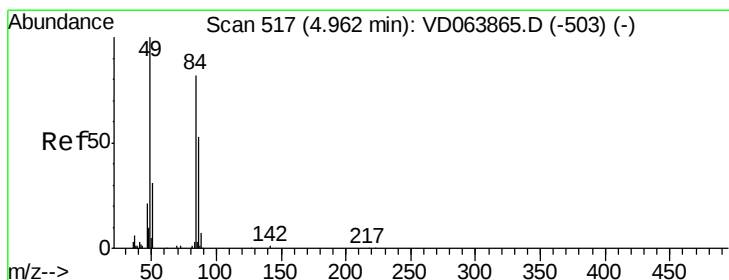
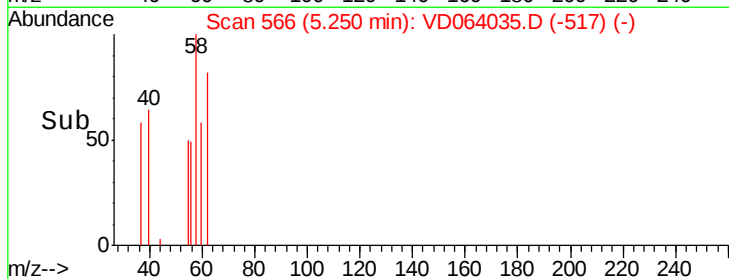
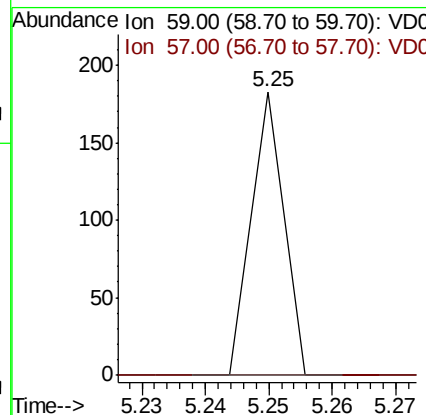
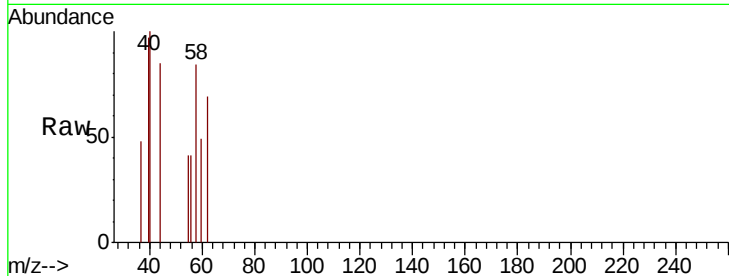




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

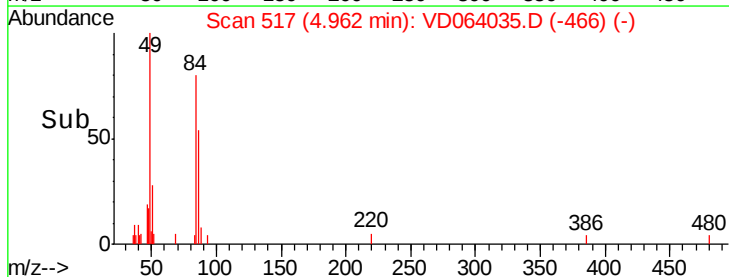
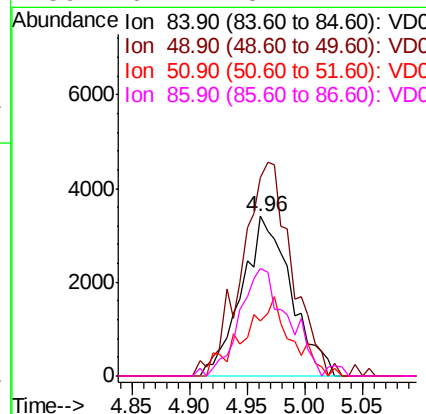
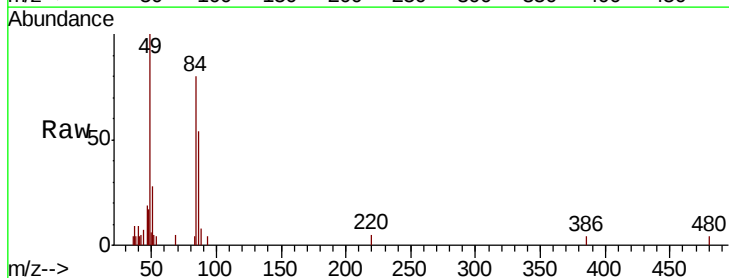
Instrument :
MSVOA_D
ClientSampleId :

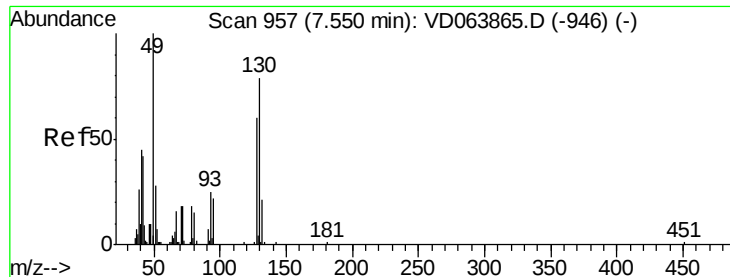
Tot Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#20
Methylene Chloride
Concen: 4.295 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

Tgt Ion: 84 Resp: 10166
Ion Ratio Lower Upper
84 100
49 124.6 97.3 145.9
51 34.9 30.1 45.1
86 67.1 51.4 77.2





#28

Bromochloromethane

Concen: 1.958 ug/l

RT: 7.46 min Scan# 941

Delta R.T. -0.09 min

Lab File: VD064035.D

Acq: 23 Oct 2019 21:58

Instrument :
MSVOA_D
ClientSampleId :

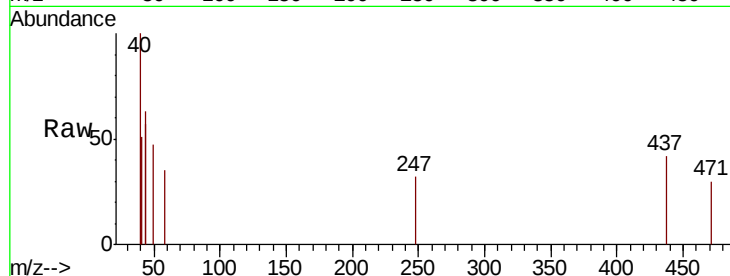
Tot Ion: 49 Resp: 83

Ion Ratio Lower Upper

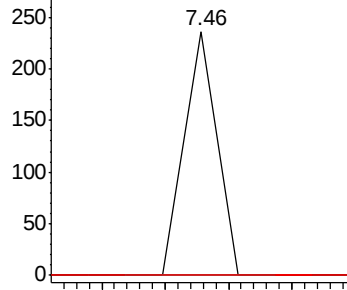
49 100

129 0.0 0.0 5.6

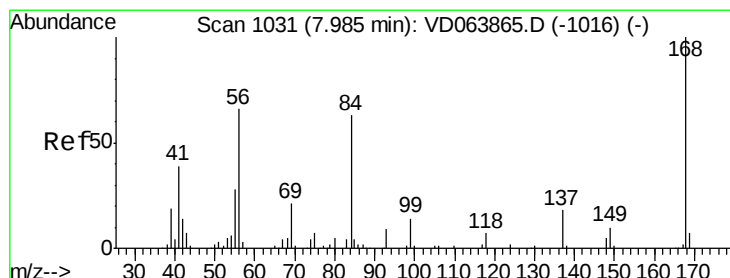
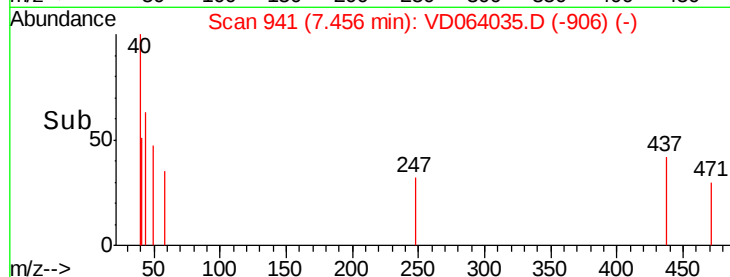
130 0.0 66.8 100.2#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD064035.D

Acq: 23 Oct 2019 21:58

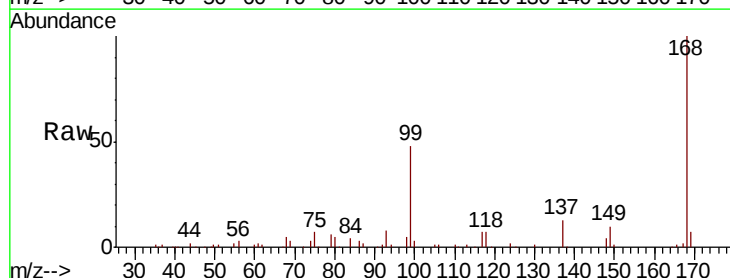
Tgt Ion: 56 Resp: 3490

Ion Ratio Lower Upper

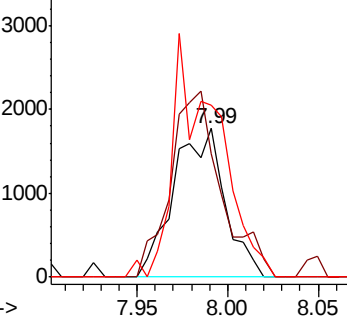
56 100

69 82.7 25.0 37.4#

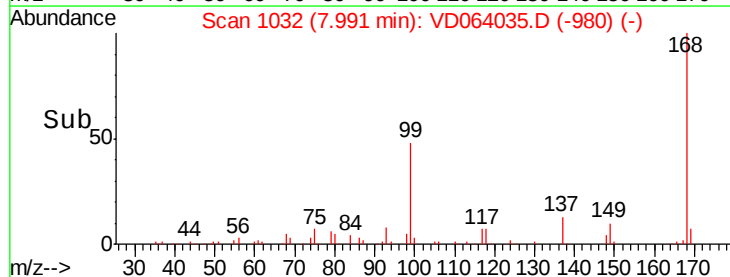
84 115.9 76.3 114.5#

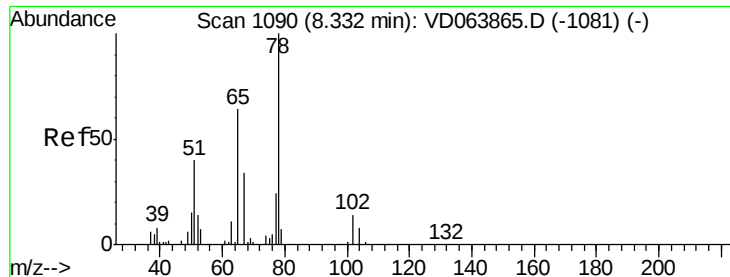


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time-->

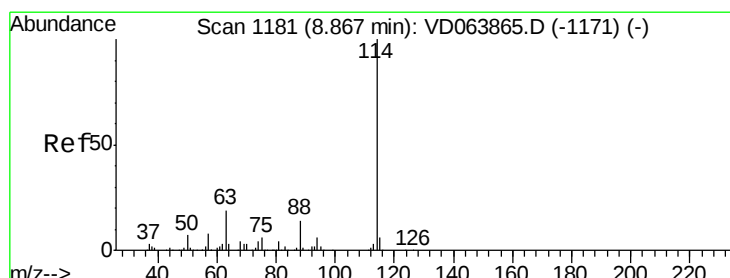
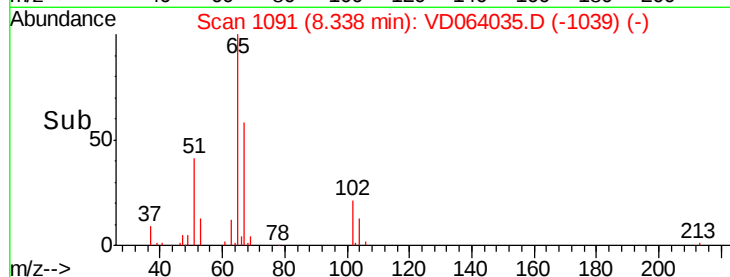
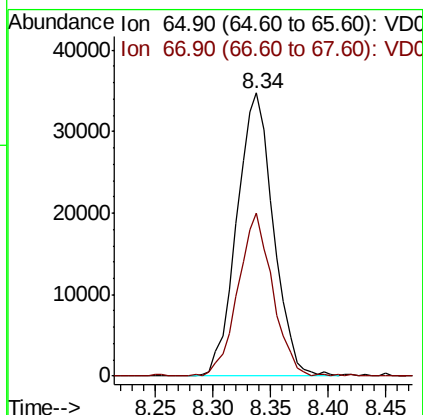
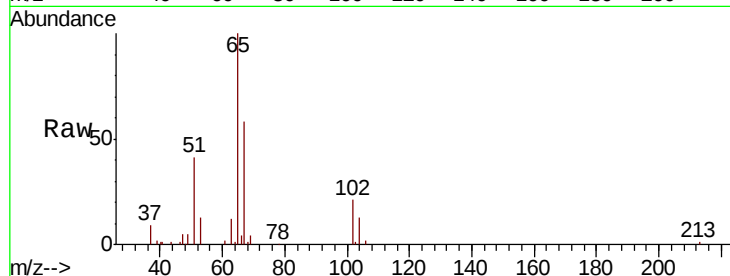




#33
 1,2-Dichloroethane-d4
 Concen: 61.058 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064035.D
 Acq: 23 Oct 2019 21:58

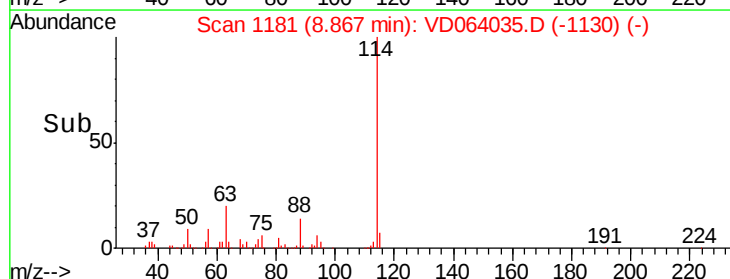
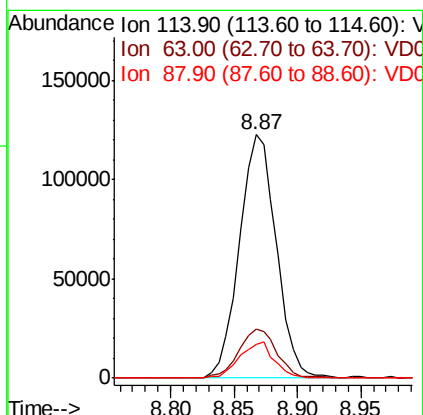
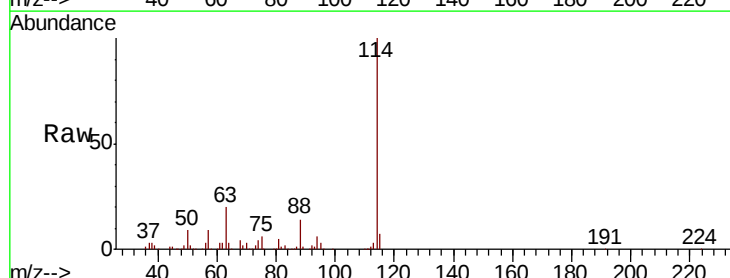
Instrument :
 MSVOA_D
 ClientSampleId :

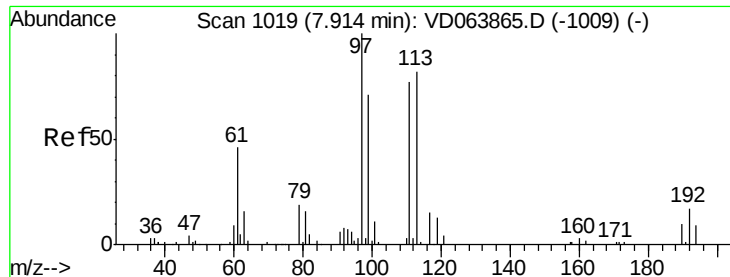
Tot Ion: 65 Resp: 76256
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064035.D
 Acq: 23 Oct 2019 21:58

Tgt Ion: 114 Resp: 247431
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 38.4
 88 14.1 0.0 27.4

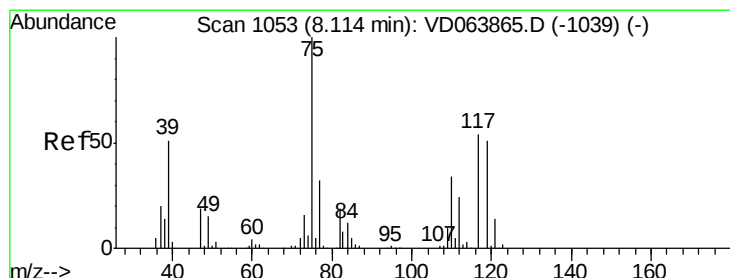
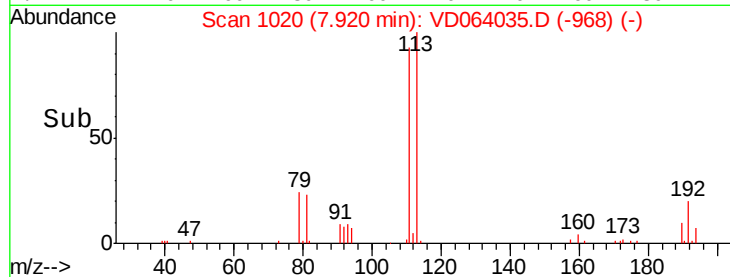
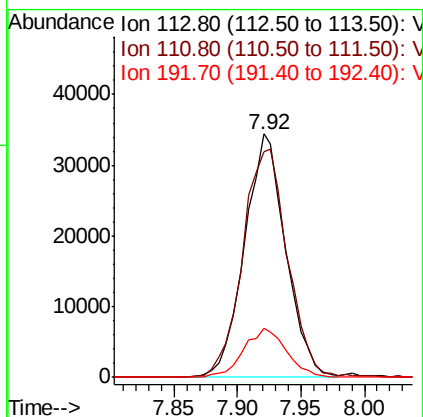
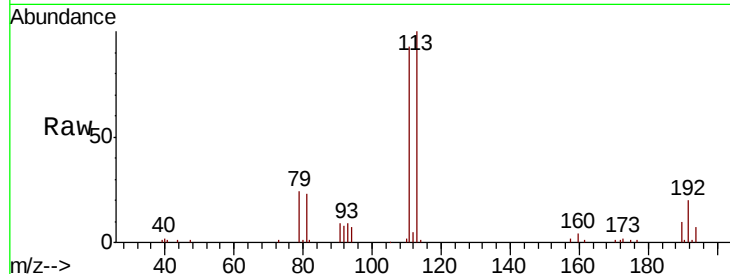




#35
 Dibromofluoromethane
 Concen: 51.369 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064035.D
 Acq: 23 Oct 2019 21:58

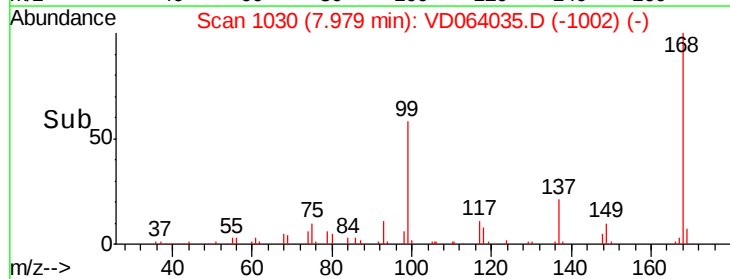
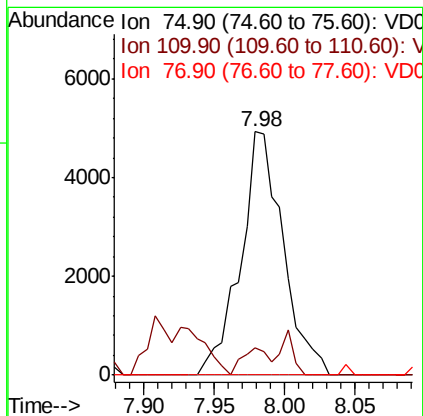
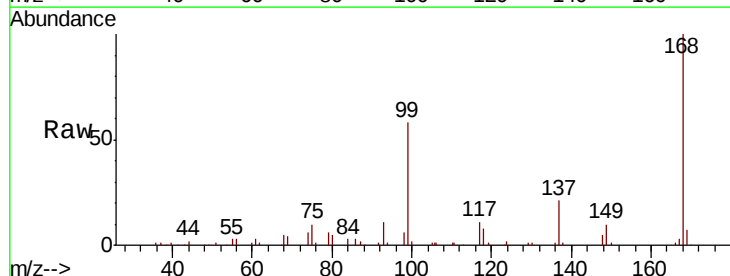
Instrument :
 MSVOA_D
 ClientSampleId :

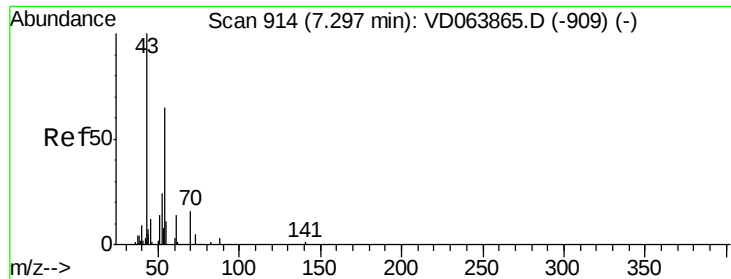
Tot Ion:113 Resp: 77677
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 123.8
 192 20.6 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064035.D
 Acq: 23 Oct 2019 21:58

Tgt Ion: 75 Resp: 10431
 Ion Ratio Lower Upper
 75 100
 110 7.0 17.4 52.3#
 77 0.0 25.4 38.0#

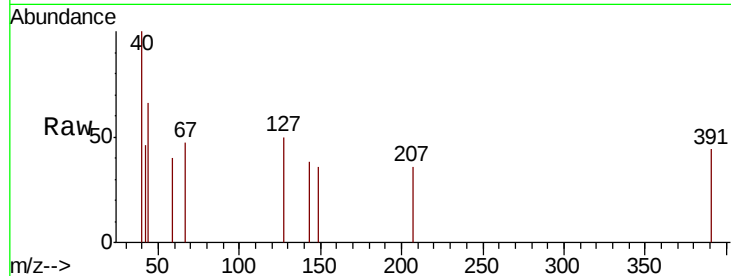




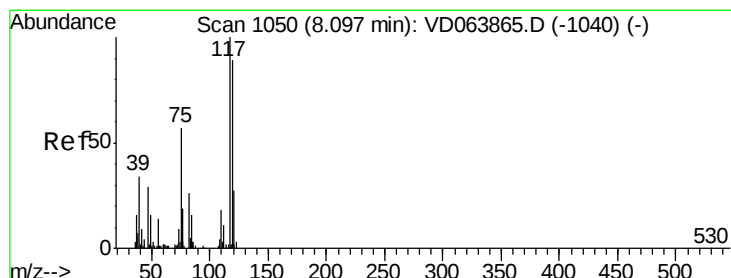
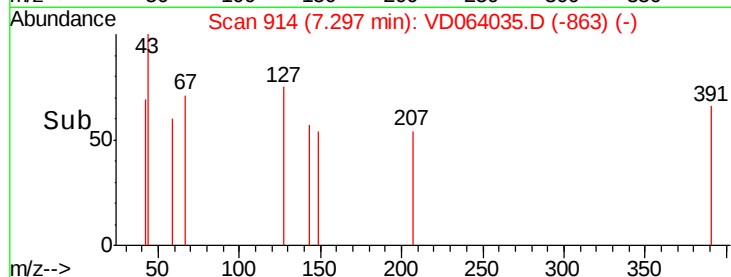
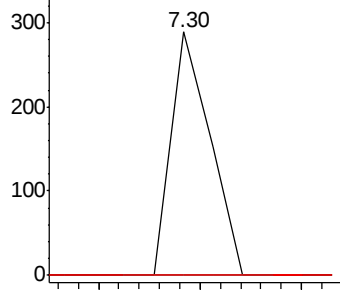
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#

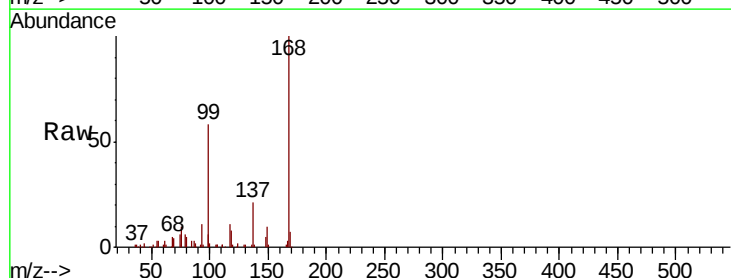


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

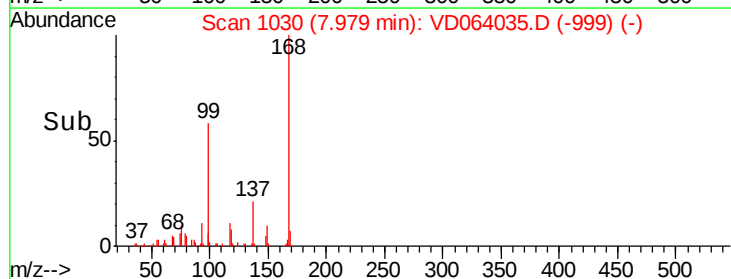
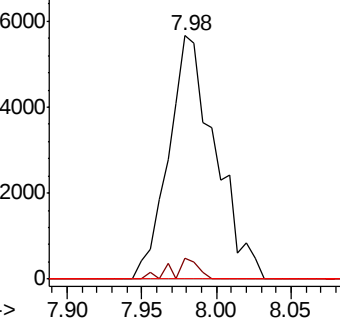


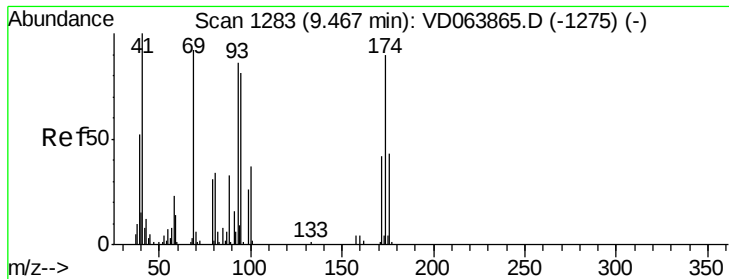
#38
Carbon Tetrachloride
Concen: 5.382 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

Tgt Ion: 117 Resp: 12305
Ion Ratio Lower Upper
117 100
119 8.5 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

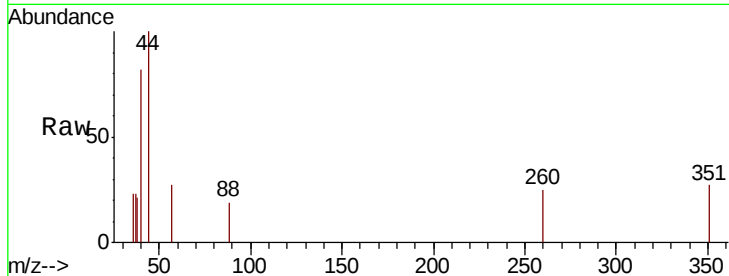




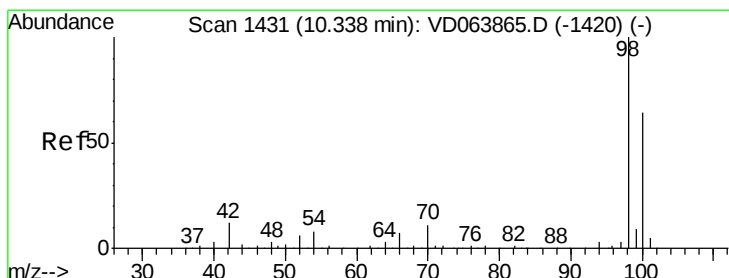
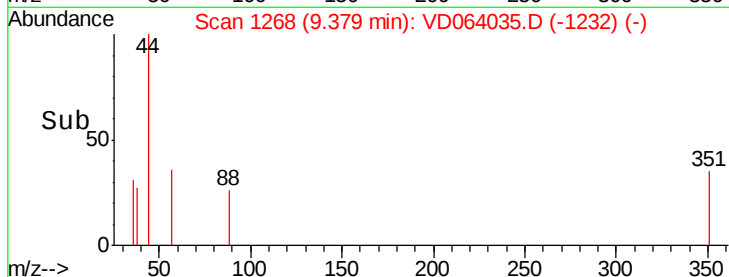
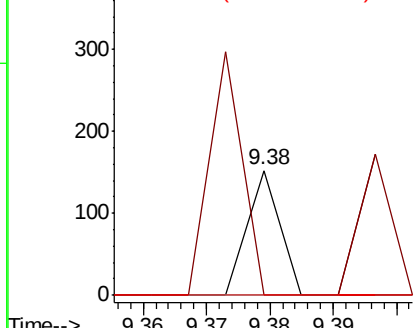
#49
1,4-Dioxane
Concen: 4.377 ug/l
RT: 9.38 min Scan# 1268
Delta R.T. -0.09 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 194.4 27.6 41.4#
58 0.0 54.1 81.1#

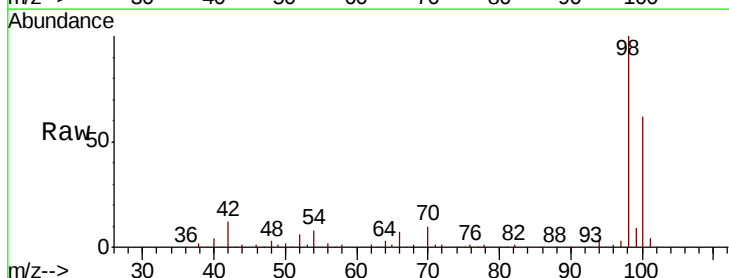


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

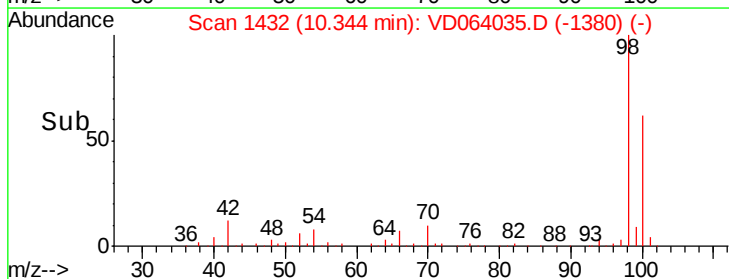
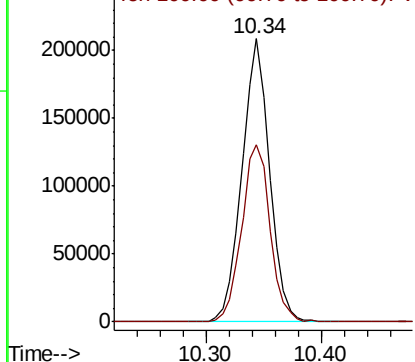


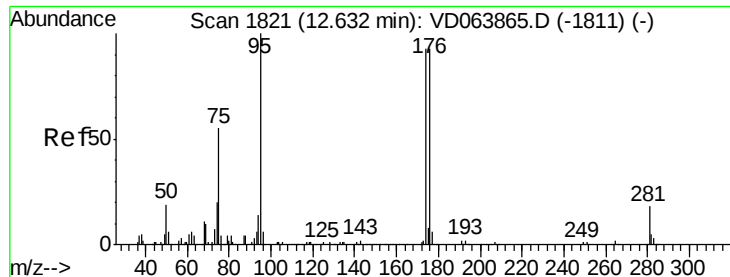
#50
Toluene-d8
Concen: 56.392 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

Tgt Ion: 98 Resp: 346103
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

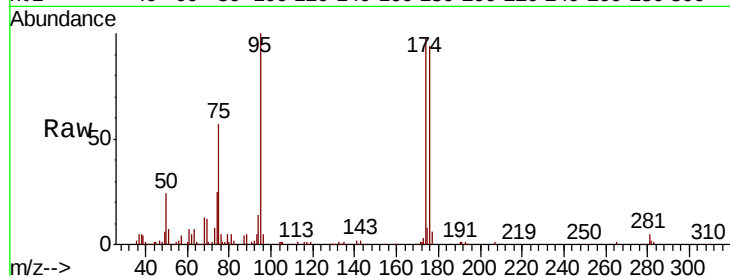




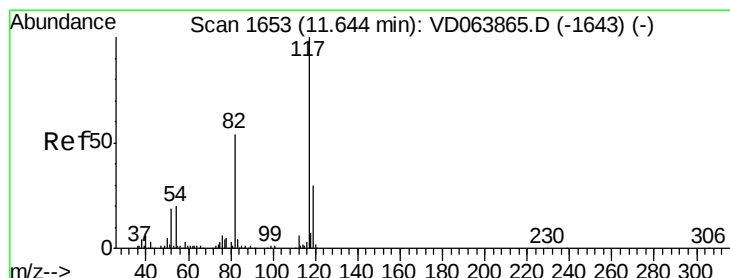
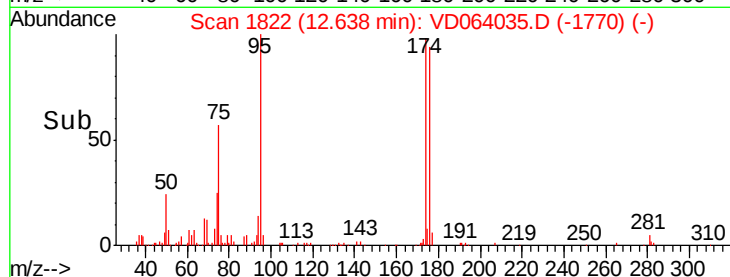
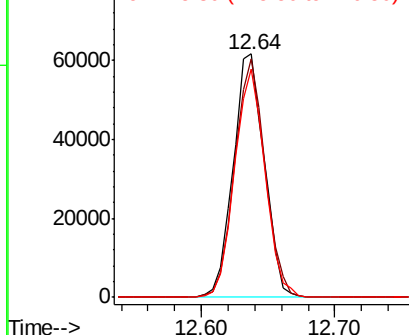
#62
4-Bromofluorobenzene
Concen: 46.904 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	186.4
176	91.3	0.0	184.2

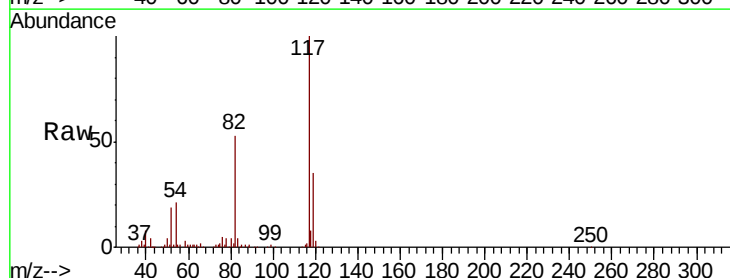


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

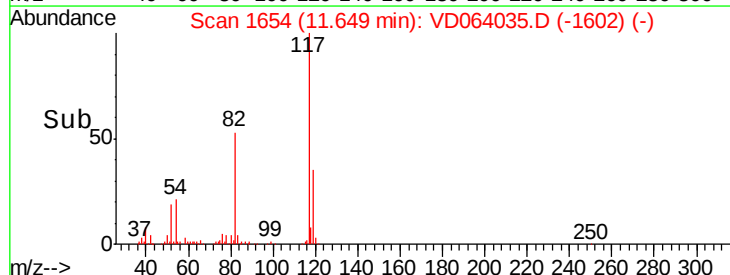
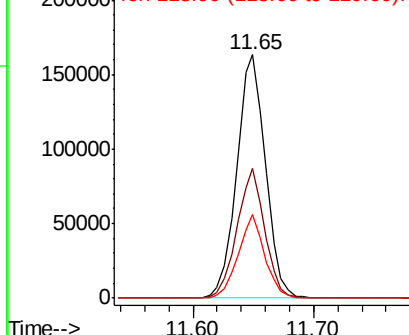


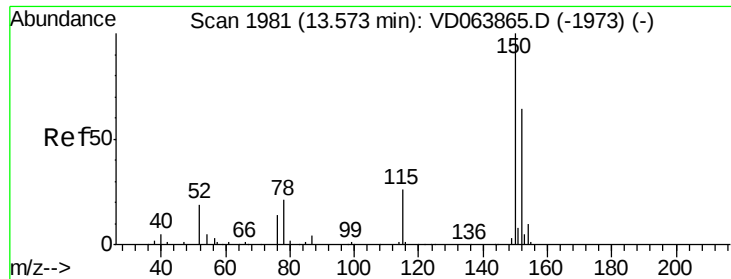
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064035.D
Acq: 23 Oct 2019 21:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.8	64.2
119	34.5	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: VD064035.D

Acq: 23 Oct 2019 21:58

Instrument :

MSVOA_D

ClientSampleId :

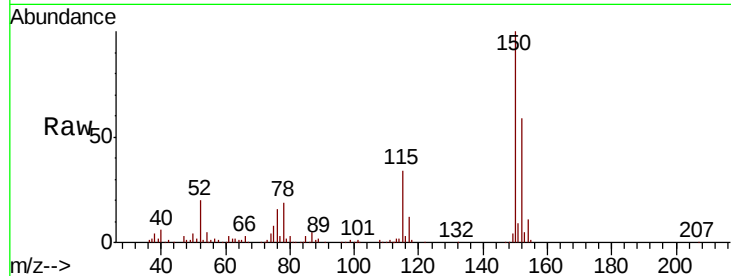
Tot Ion:152 Resp: 123285

Ion Ratio Lower Upper

152 100

115 54.9 25.9 77.7

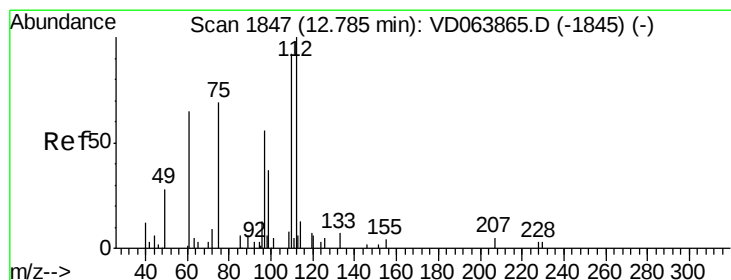
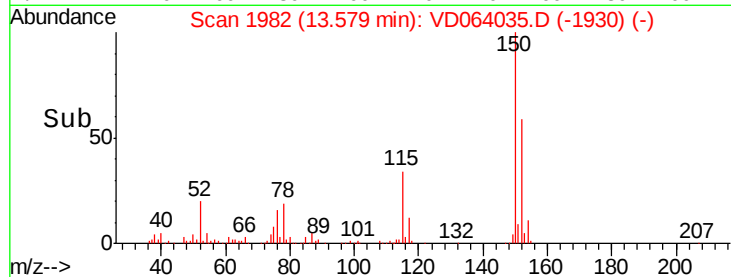
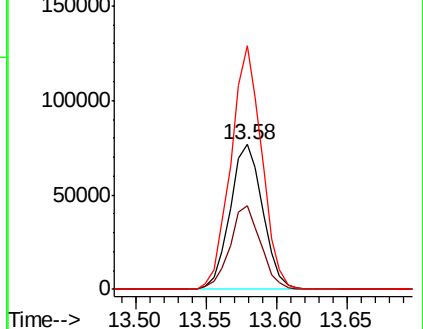
150 159.8 0.0 344.2



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: 70.110 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064035.D

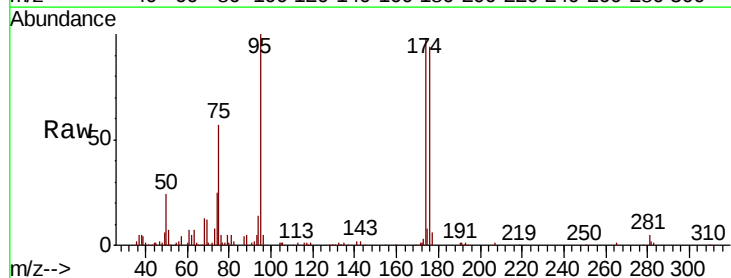
Acq: 23 Oct 2019 21:58

Tgt Ion: 75 Resp: 57892

Ion Ratio Lower Upper

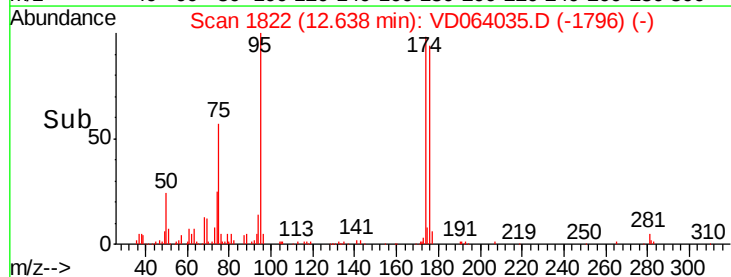
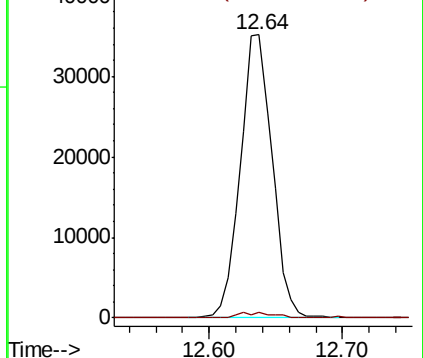
75 100

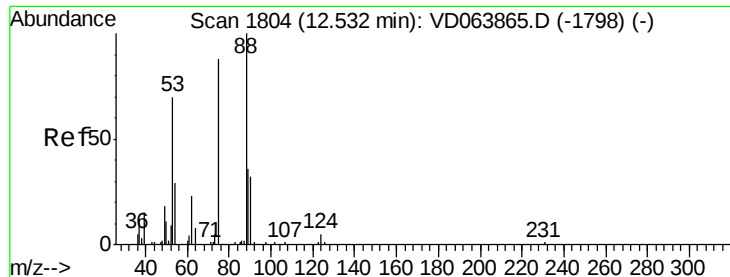
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 124.067 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064035.D

Acq: 23 Oct 2019 21:58

Instrument :

MSVOA_D

ClientSampleId :

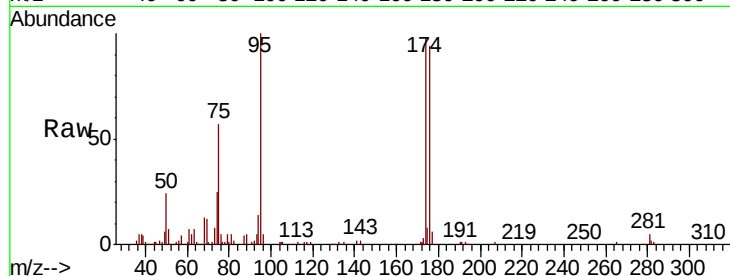
Tot Ion: 75 Resp: 57892

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

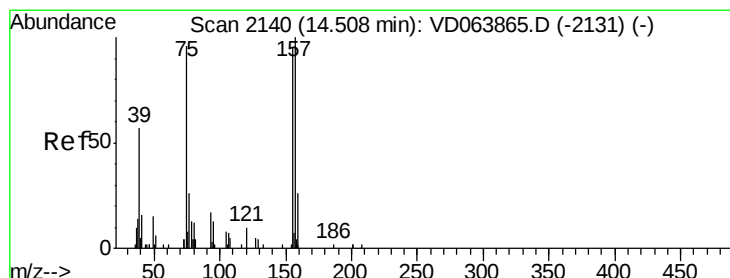
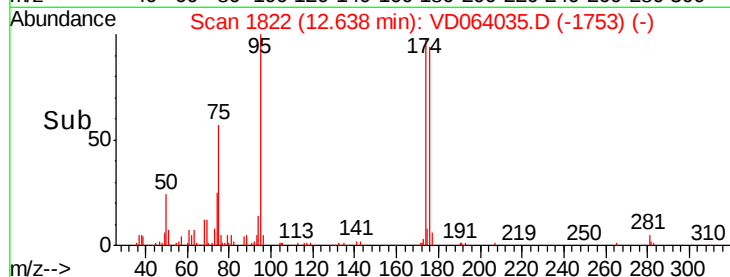
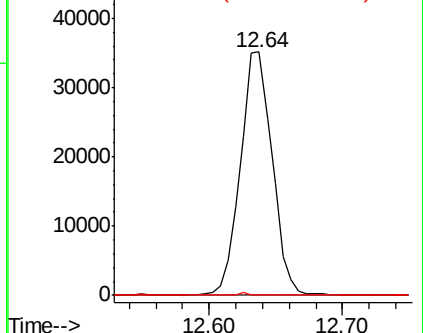
89 0.3 38.2 57.4#



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: 14.56 min Scan# 2148

Delta R.T. 0.05 min

Lab File: VD064035.D

Acq: 23 Oct 2019 21:58

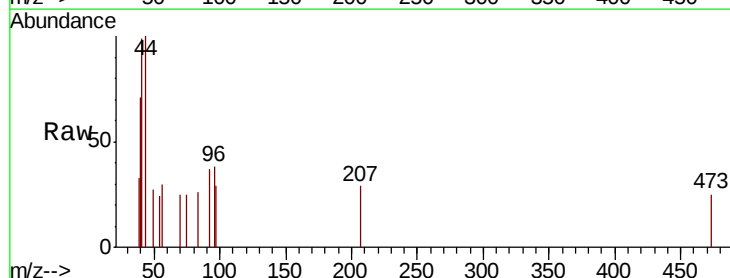
Tgt Ion: 75 Resp: 58

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

