

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064042.D
 Acq On : 24 Oct 2019 13:01
 Operator : VA/SY
 Sample : K5148-09
 Misc : 8.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 03:57:27 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	158261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	303020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	314192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	147110	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	90488	58.73	ug/l	0.00
Spiked Amount			Recovery	=	117.46%	
35) Dibromofluoromethane	7.93	113	92682	50.05	ug/l	0.01
Spiked Amount			Recovery	=	100.10%	
50) Toluene-d8	10.34	98	412461	54.88	ug/l	0.00
Spiked Amount			Recovery	=	109.76%	
62) 4-Bromofluorobenzene	12.64	95	122263	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	

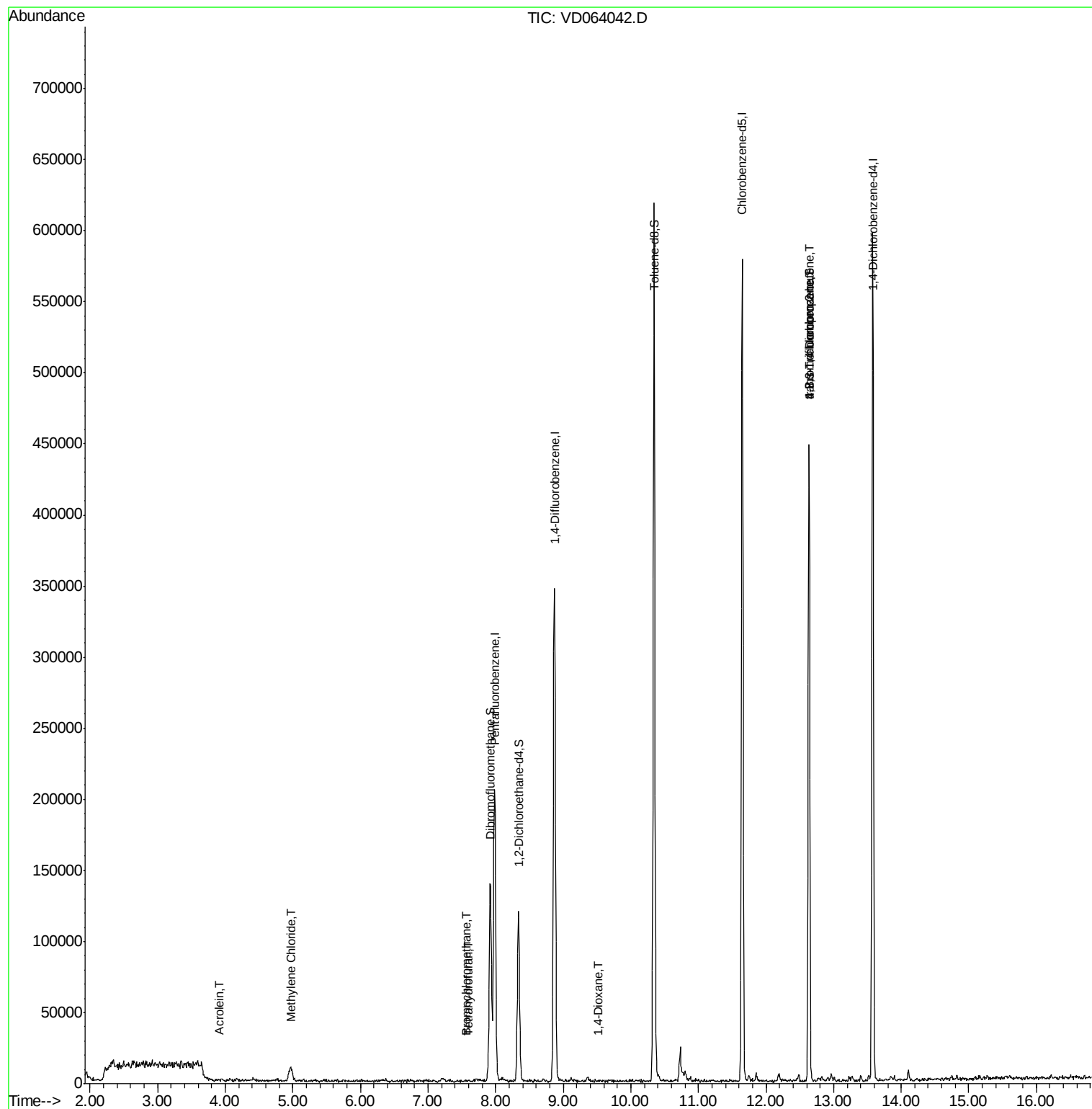
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	1242	Below Cal	#	43
11) Tert butyl alcohol	5.26	59	80	Below Cal	#	71
13) Acrolein	3.91	56	144	1.046	ug/l #	17
20) Methylene Chloride	4.97	84	8072	1.623	ug/l #	87
28) Bromochloromethane	7.58	49	77	1.934	ug/l #	1
29) Tetrahydrofuran	7.60	42	294	1.060	ug/l #	31
31) Cyclohexane	7.98	56	4574	Below Cal	#	19
37) Ethyl Acetate	7.30	43	338	Below Cal	#	84
49) 1,4-Dioxane	9.53	88	64	4.236	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	72042	73.117	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	72042	129.387	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.49	75	62	Below Cal	#	1

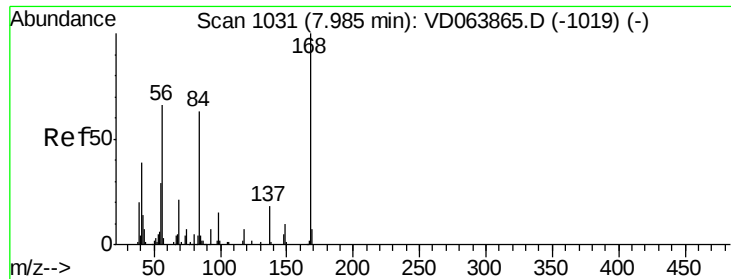
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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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: VD064042.D

Acq: 24 Oct 2019 13:01

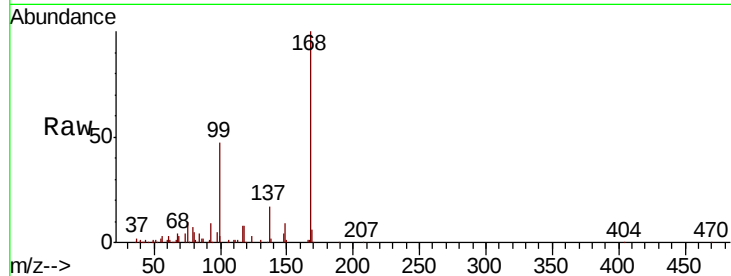
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MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 158261

Ion Ratio Lower Upper

168 100

99 46.7 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

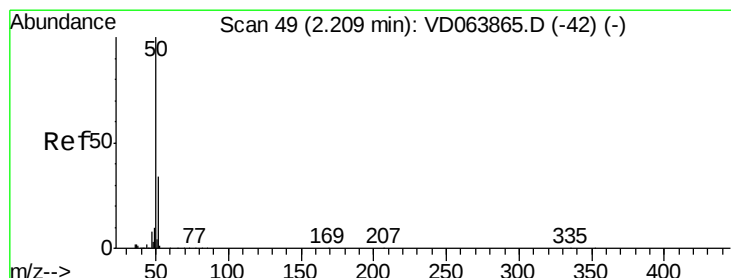
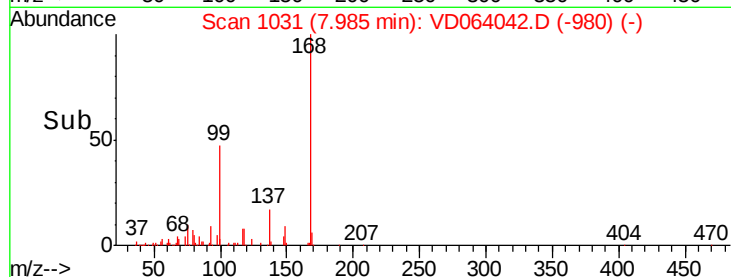
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064042.D

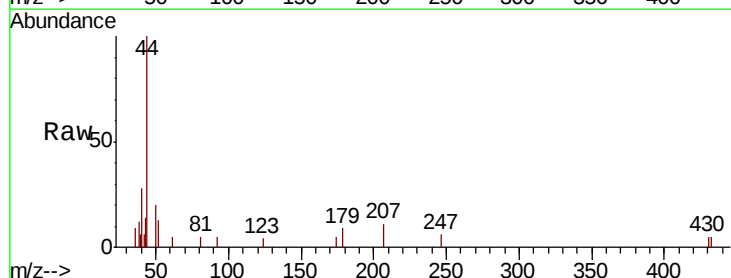
Acq: 24 Oct 2019 13:01

Tgt Ion: 50 Resp: 1242

Ion Ratio Lower Upper

50 100

52 66.9 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

800

600

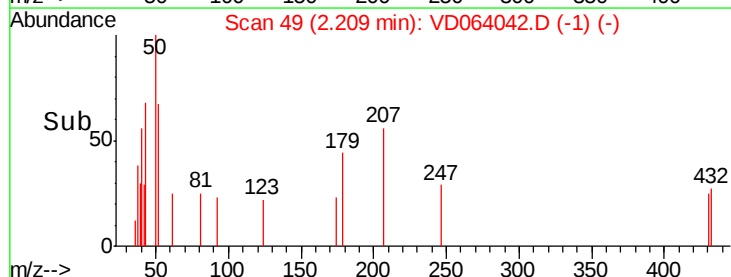
400

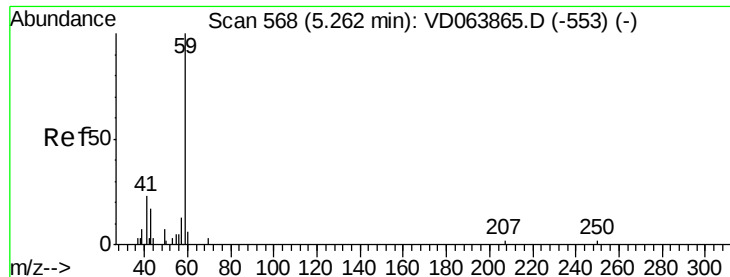
200

0

2.20 2.25

Time-->

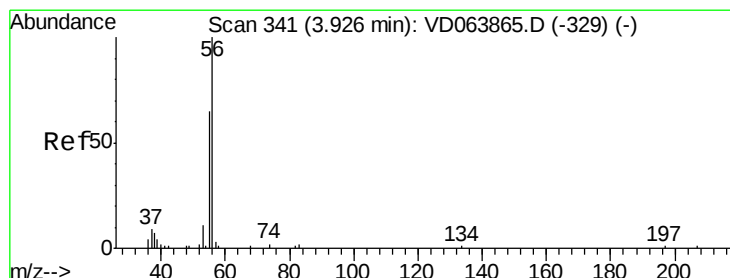
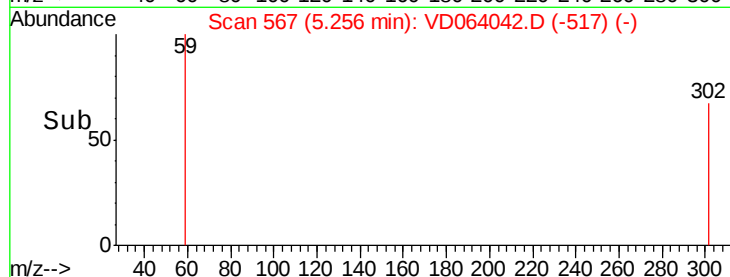
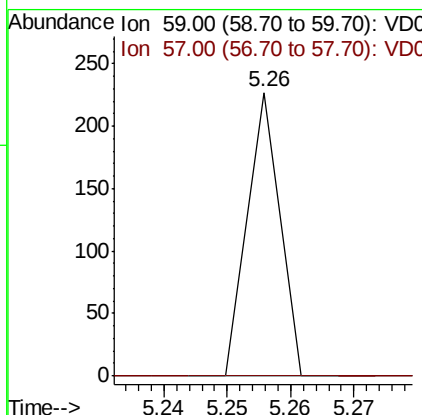
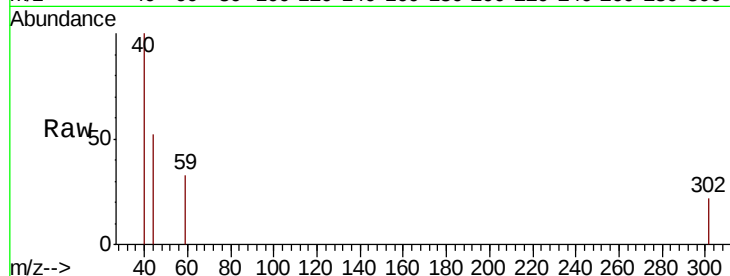




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

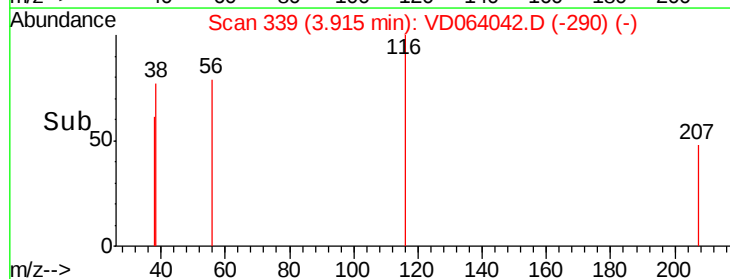
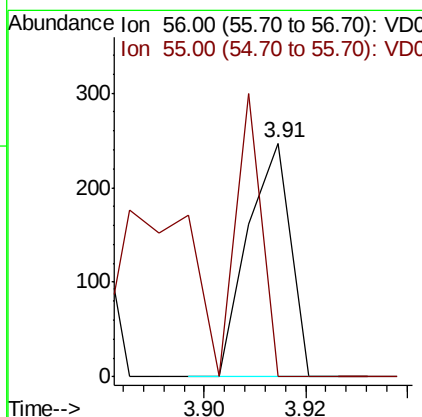
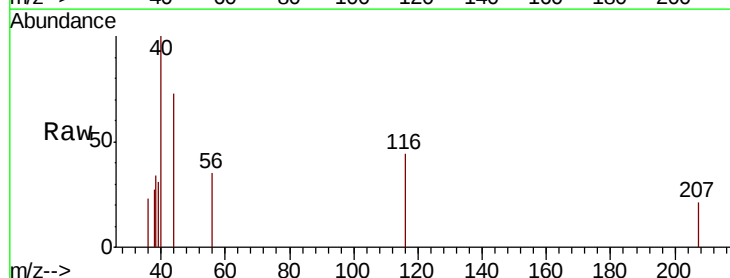
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MSVOA_D
ClientSampleId :

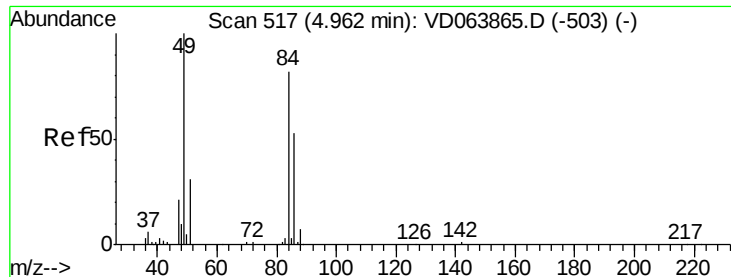
Tot Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#13
Acrolein
Concen: 1.046 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

Tgt Ion: 56 Resp: 144
Ion Ratio Lower Upper
56 100
55 0.0 53.0 79.6#

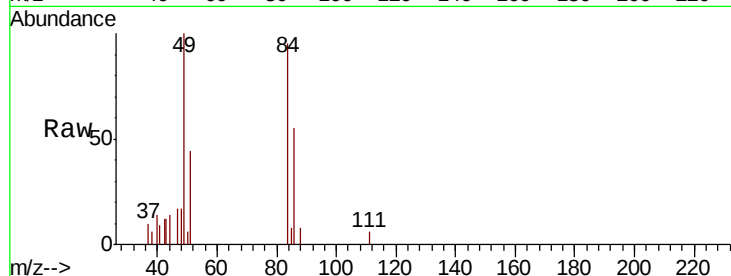




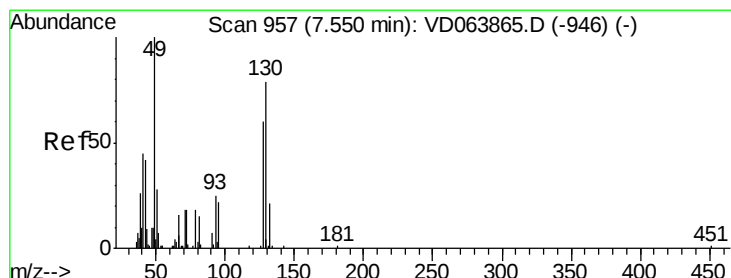
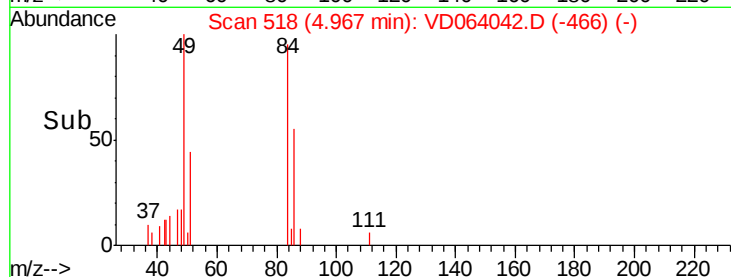
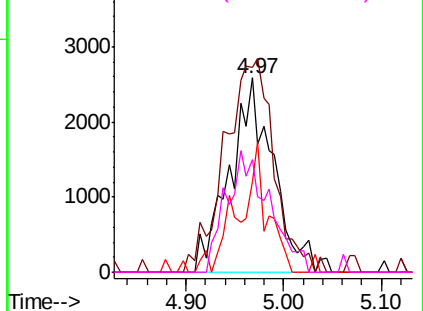
#20
Methvlene Chloride
Concen: 1.623 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 8072
Ion Ratio Lower Upper
84 100
49 105.1 97.3 145.9
51 46.7 30.1 45.1#
86 58.1 51.4 77.2

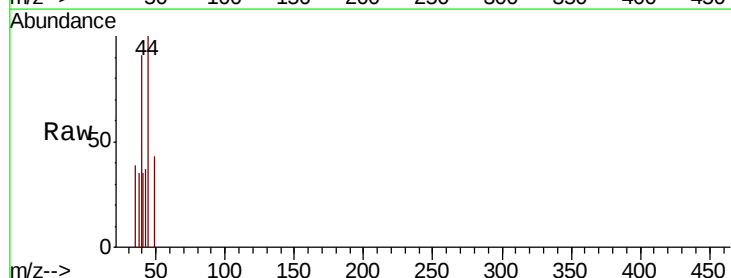


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

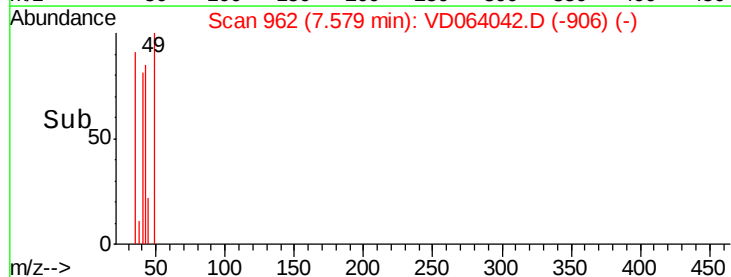
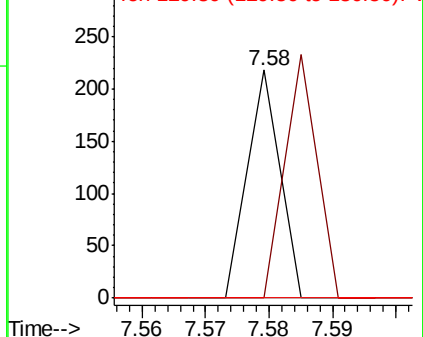


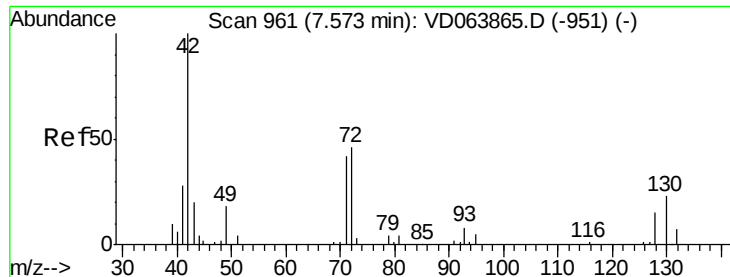
#28
Bromochloromethane
Concen: 1.934 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.03 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

Tgt Ion: 49 Resp: 77
Ion Ratio Lower Upper
49 100
129 106.5 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): V
Ion 129.80 (129.50 to 130.50): V

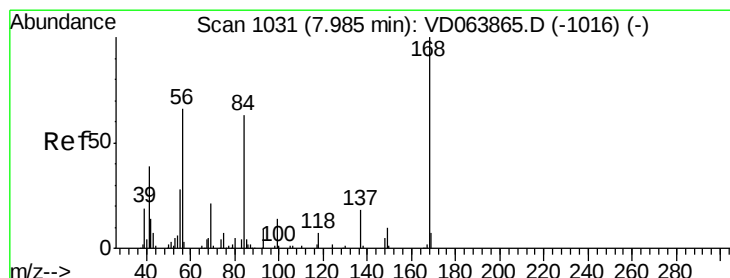
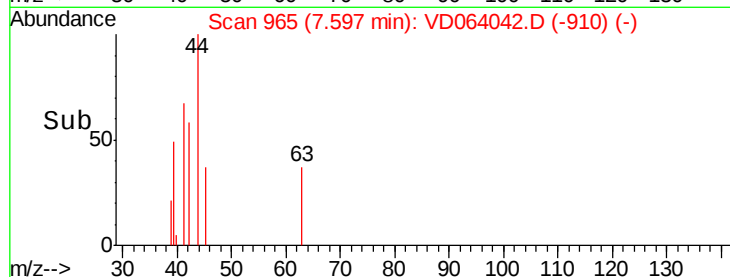
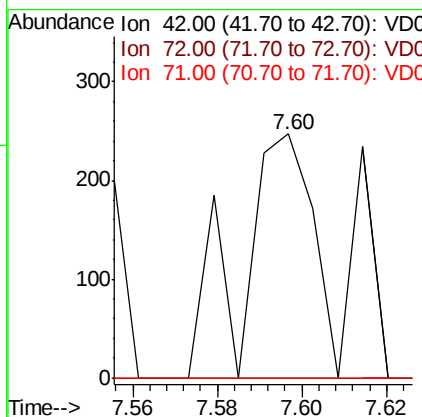
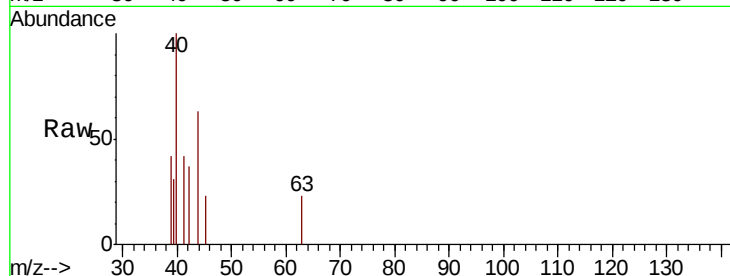




#29
Tetrahydrofuran
Concen: 1.060 ug/l
RT: 7.60 min Scan# 965
Delta R.T. 0.02 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

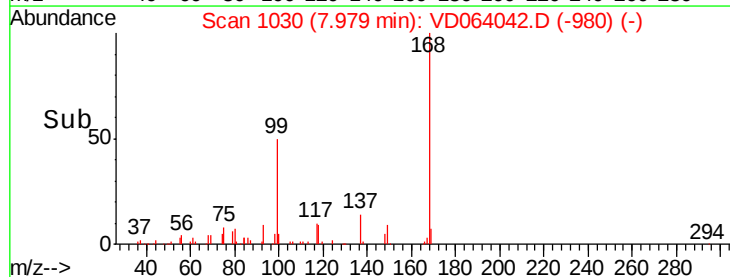
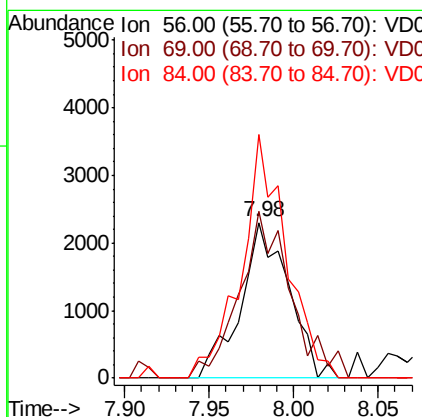
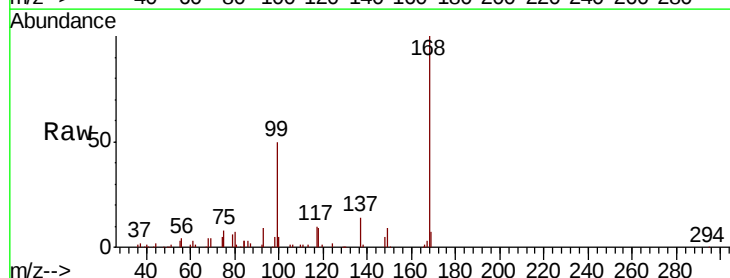
Instrument :
MSVOA_D
ClientSampleId :

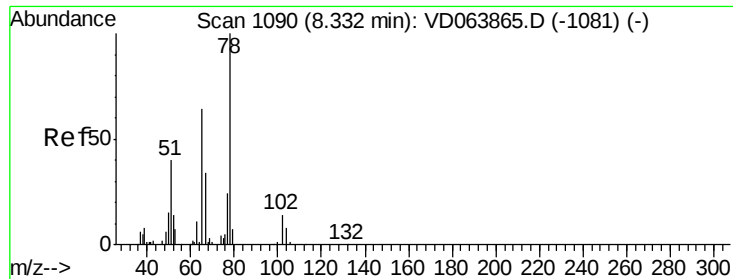
Tot Ion: 42 Resp: 294
Ion Ratio Lower Upper
42 100
72 0.0 37.6 56.4#
71 0.0 35.0 52.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

Tgt Ion: 56 Resp: 4574
Ion Ratio Lower Upper
56 100
69 107.4 25.0 37.4#
84 156.7 76.3 114.5#

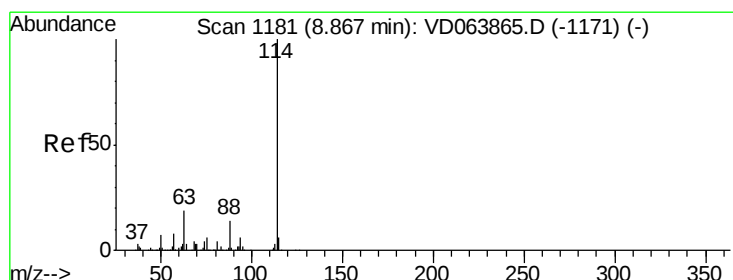
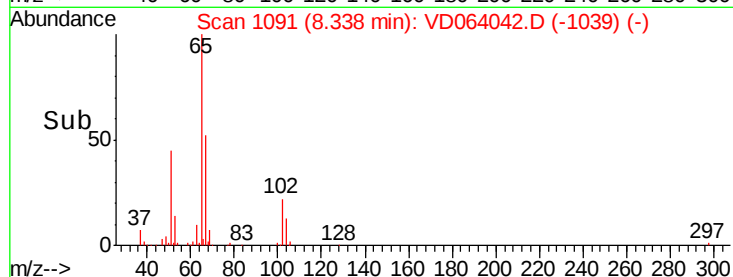
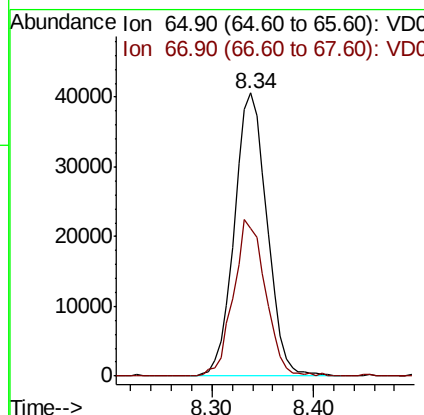
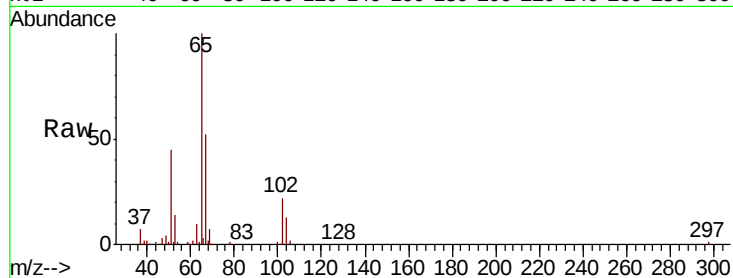




#33
 1,2-Dichloroethane-d4
 Concen: 58.728 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064042.D
 Acq: 24 Oct 2019 13:01

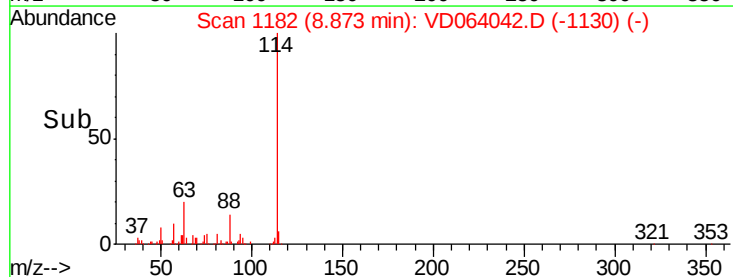
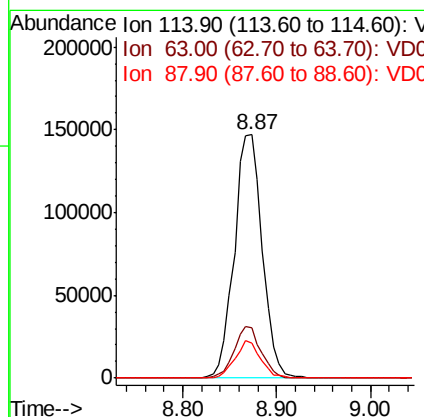
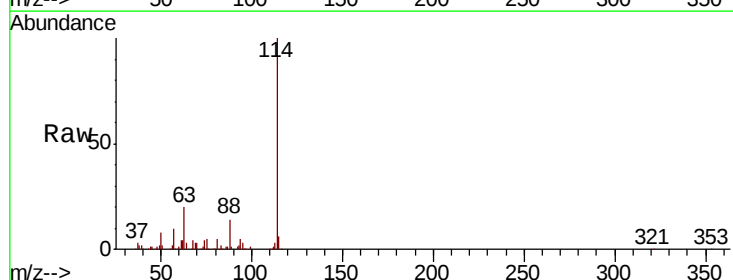
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 ClientSampleId :

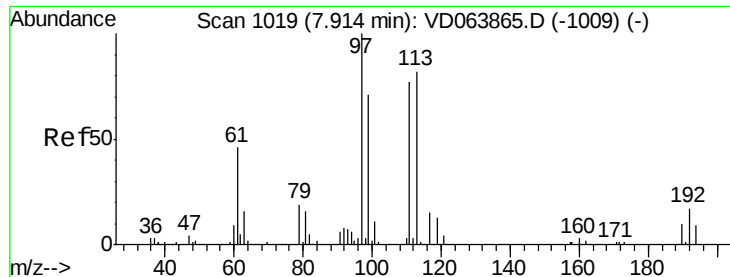
Tot Ion: 65 Resp: 90488
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD064042.D
 Acq: 24 Oct 2019 13:01

Tgt Ion: 114 Resp: 303020
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.4
 88 14.4 0.0 27.4

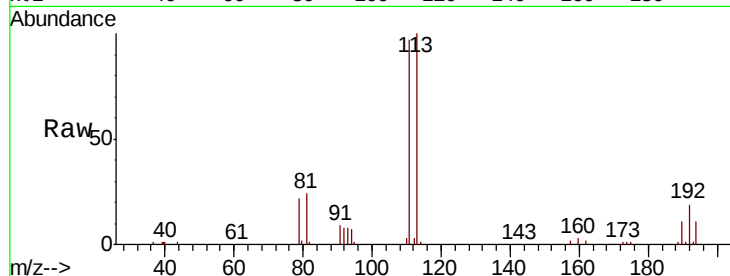




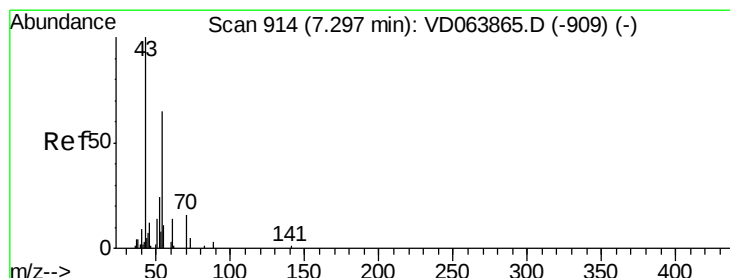
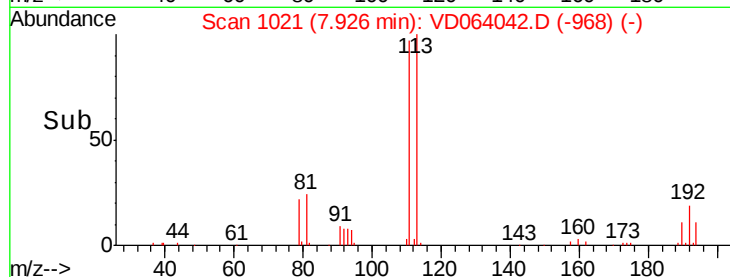
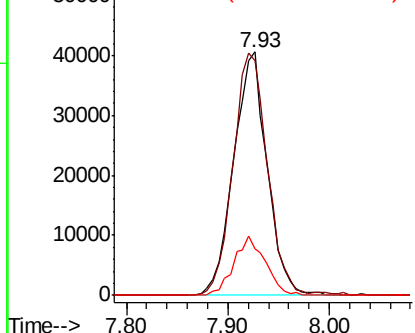
#35
 Dibromofluoromethane
 Concen: 50.048 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064042.D
 Acq: 24 Oct 2019 13:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 92682
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.6 123.8
 192 22.6 17.1 25.7

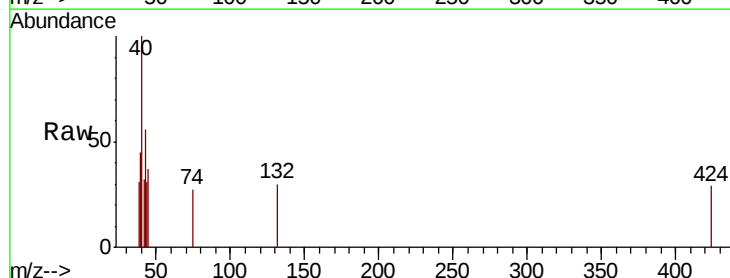


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

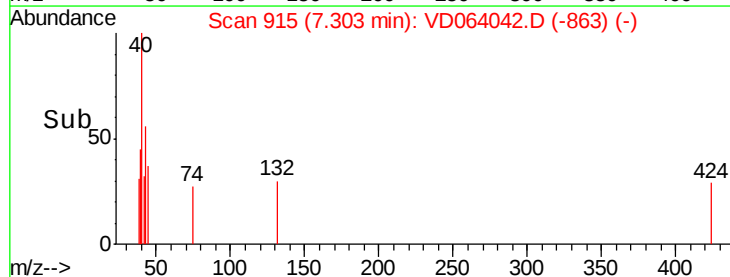
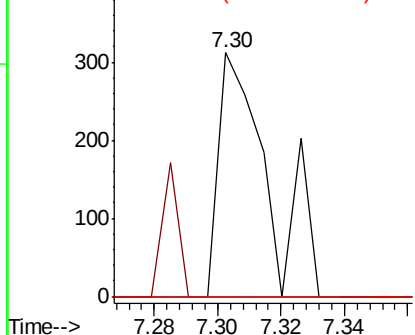


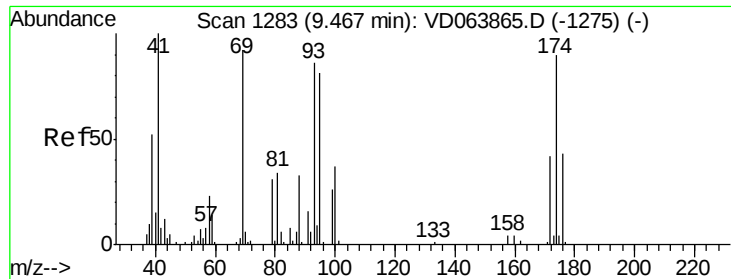
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: VD064042.D
 Acq: 24 Oct 2019 13:01

Tgt Ion: 43 Resp: 338
 Ion Ratio Lower Upper
 43 100
 61 17.8 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

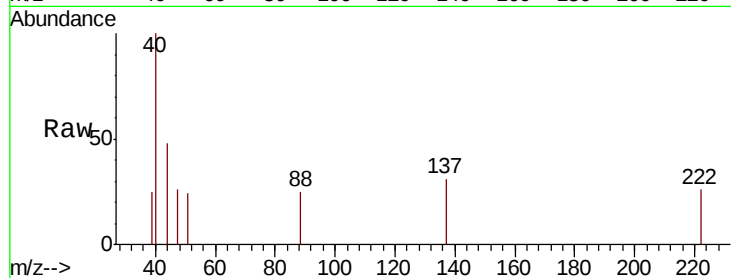




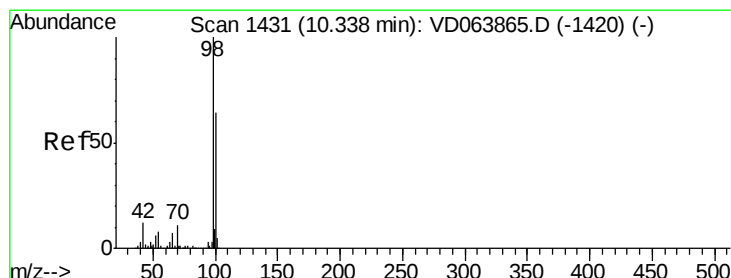
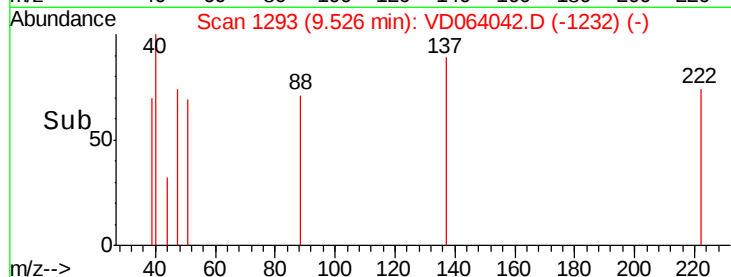
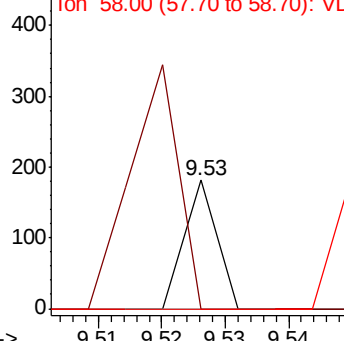
#49
1,4-Dioxane
Concen: 4.236 ug/l
RT: 9.53 min Scan# 1293
Delta R.T. 0.06 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 284.4 27.6 41.4#
58 0.0 54.1 81.1#

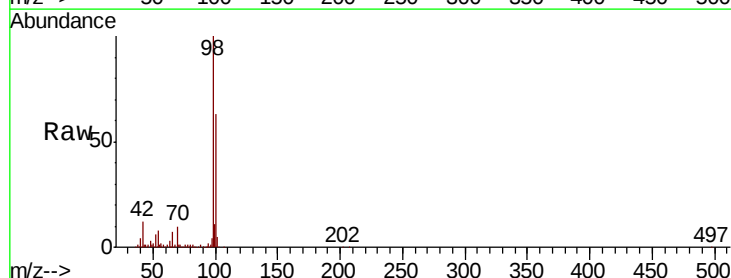


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

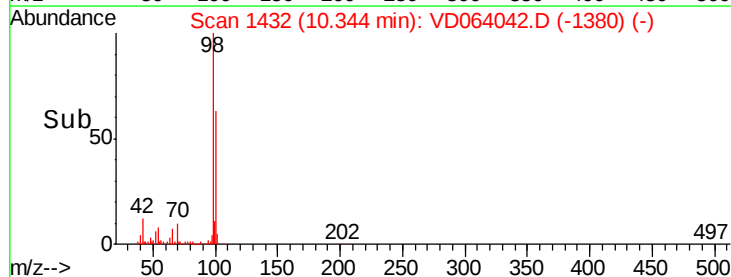
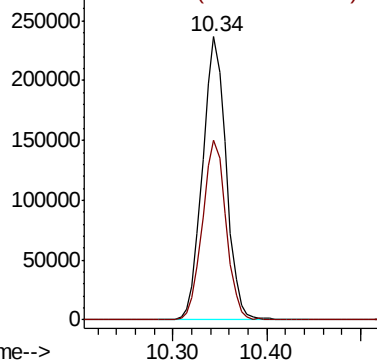


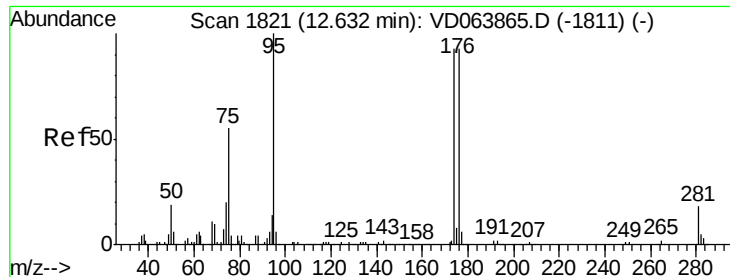
#50
Toluene-d8
Concen: 54.875 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

Tgt Ion: 98 Resp: 412461
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1



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

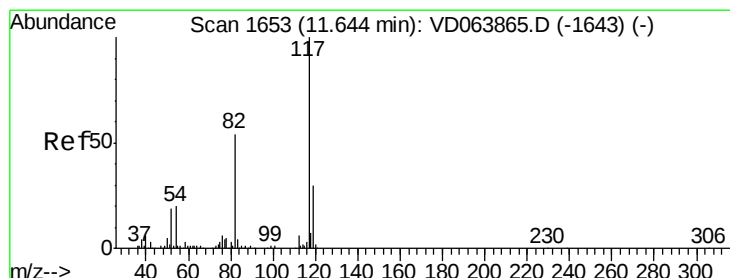
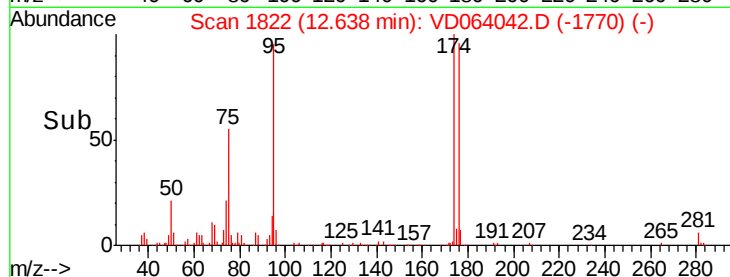
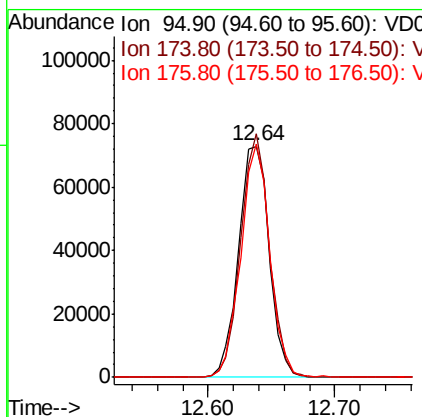
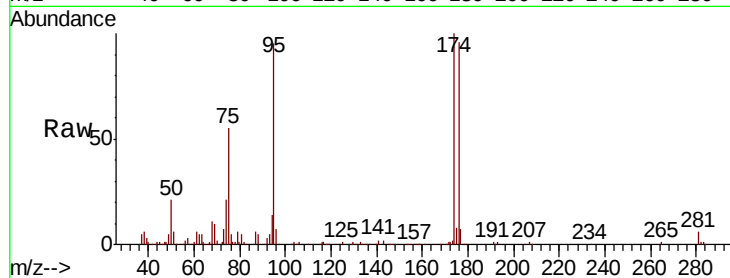




#62
4-Bromofluorobenzene
Concen: 46.809 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

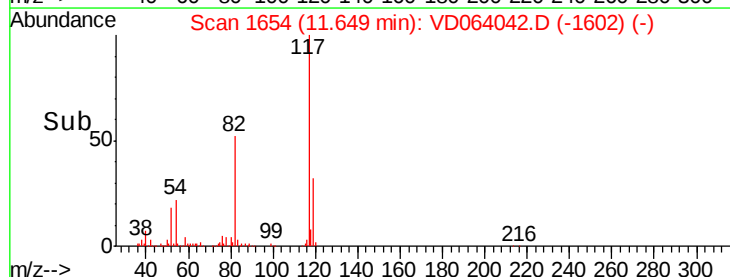
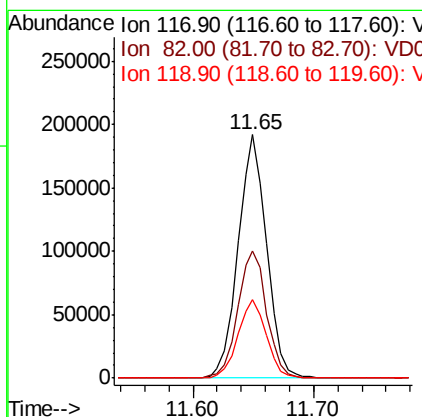
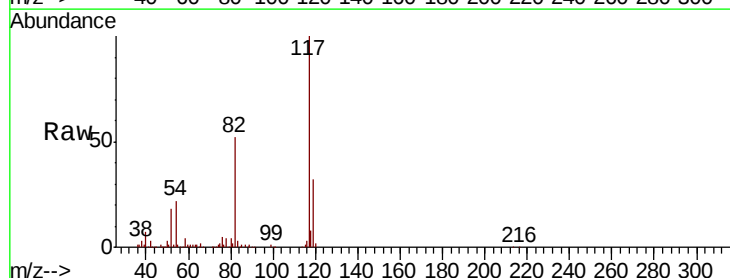
Instrument :
MSVOA_D
ClientSampleId :

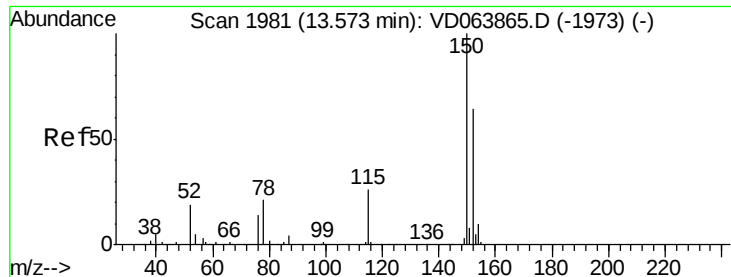
Tot Ion: 95 Resp: 122263
Ion Ratio Lower Upper
95 100
174 98.4 0.0 186.4
176 95.5 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064042.D
Acq: 24 Oct 2019 13:01

Tgt Ion: 117 Resp: 314192
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 32.2 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: VD064042.D

Acq: 24 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampleId :

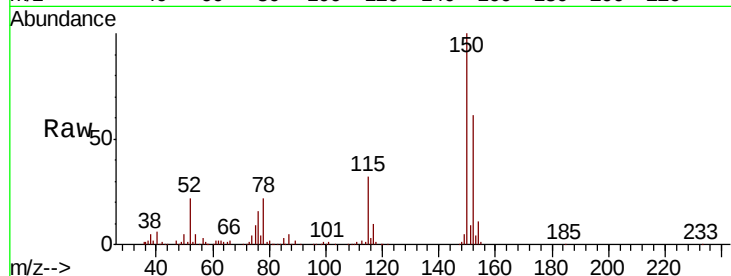
Tot Ion:152 Resp: 147110

Ion Ratio Lower Upper

152 100

115 54.6 25.9 77.7

150 158.8 0.0 344.2

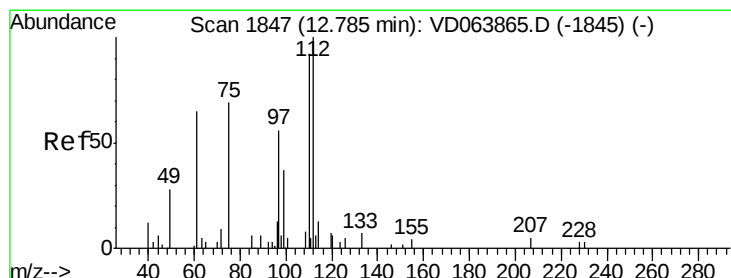
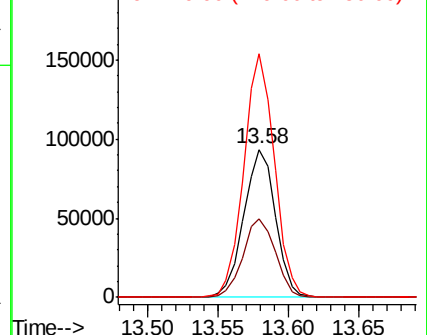
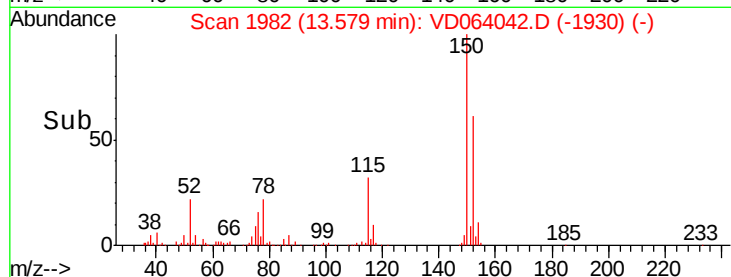


Abundance

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: 73.117 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064042.D

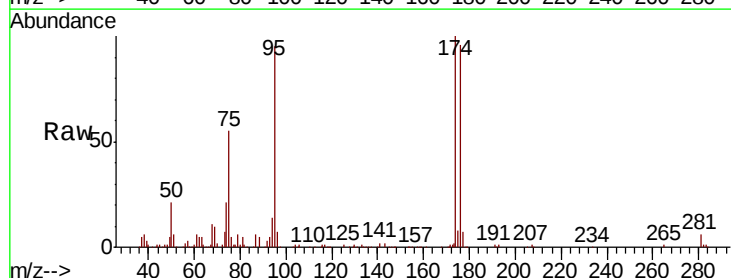
Acq: 24 Oct 2019 13:01

Tgt Ion: 75 Resp: 72042

Ion Ratio Lower Upper

75 100

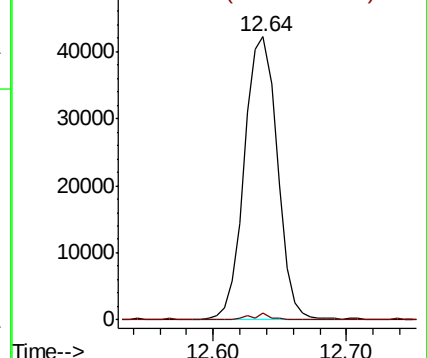
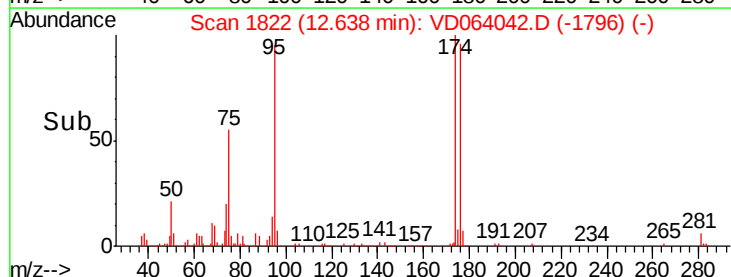
77 1.4 0.0 0.0#

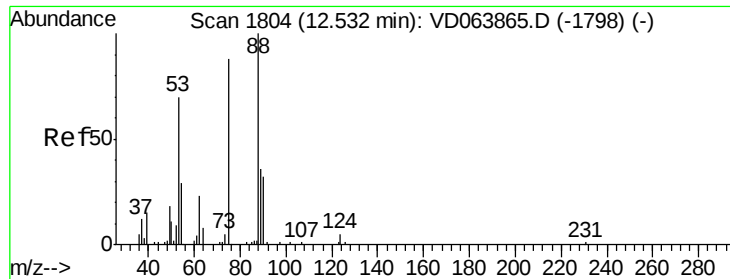


Abundance

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: 129.387 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064042.D

Acq: 24 Oct 2019 13:01

Instrument :

MSVOA_D

ClientSampled :

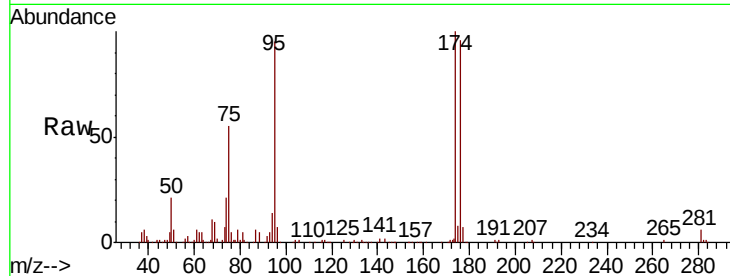
Tot Ion: 75 Resp: 72042

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

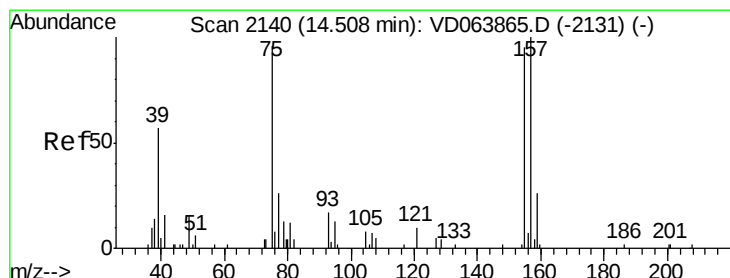
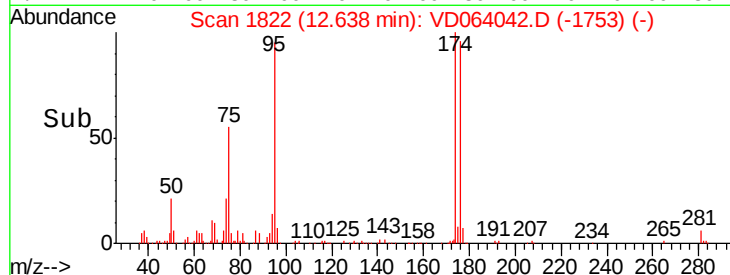
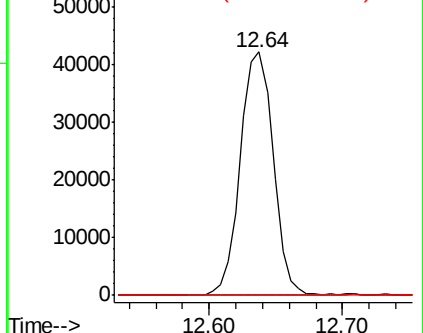
89 0.0 38.2 57.4#



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: 14.49 min Scan# 2137

Delta R.T. -0.02 min

Lab File: VD064042.D

Acq: 24 Oct 2019 13:01

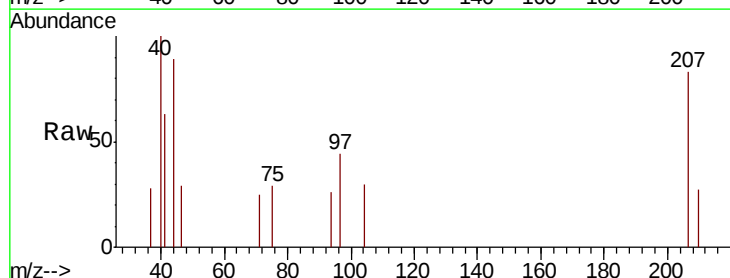
Tgt Ion: 75 Resp: 62

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

