

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102419\
 Data File : VD064054.D
 Acq On : 24 Oct 2019 19:11
 Operator : VA/SY
 Sample : K5497-12RE
 Misc : 7.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:00:02 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	137634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	247729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	262386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123942	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	76371	56.99	ug/l	0.00
Spiked Amount			Recovery	=	113.98%	
35) Dibromofluoromethane	7.92	113	78637	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.34	98	346555	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
62) 4-Bromofluorobenzene	12.63	95	99717	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	

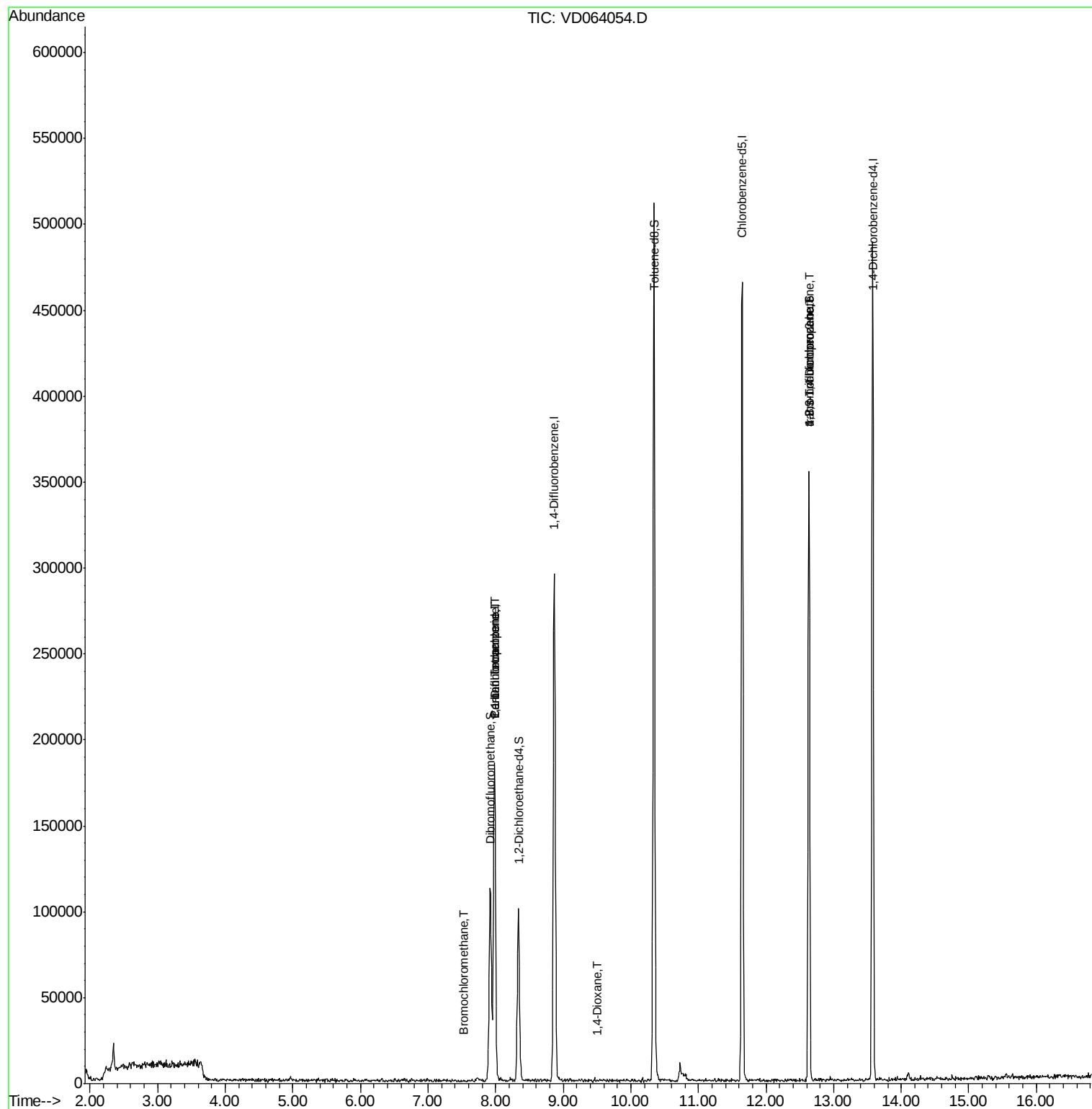
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	398	Below Cal	#	40
11) Tert butyl alcohol	5.02	59	116	Below Cal	#	71
20) Methylene Chloride	4.97	84	1285	Below Cal	#	44
28) Bromochloromethane	7.53	49	66	1.933	ug/l #	10
31) Cyclohexane	7.98	56	3194	Below Cal	#	32
36) 1,1-Dichloropropene	7.98	75	11270	4.976	ug/l #	52
37) Ethyl Acetate	7.29	43	59	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	13433	5.869	ug/l #	22
49) 1,4-Dioxane	9.51	88	54	4.372	ug/l #	2
76) 1,2,3-Trichloropropane	12.64	75	56999	68.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	56999	121.506	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.53	75	56	Below Cal	#	1

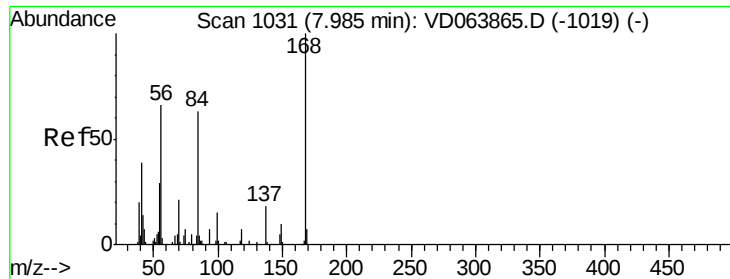
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102419\
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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: VD064054.D

Acq: 24 Oct 2019 19:11

Instrument :

MSVOA_D

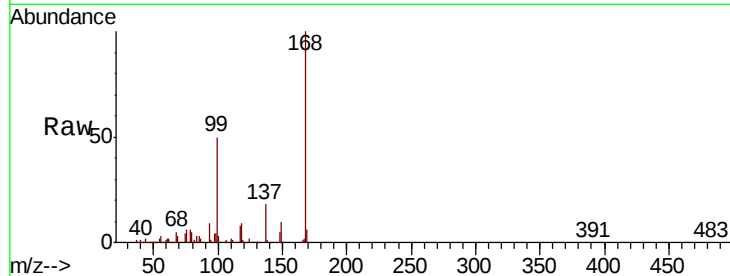
ClientSampleId :

Tot Ion:168 Resp: 137634

Ion Ratio Lower Upper

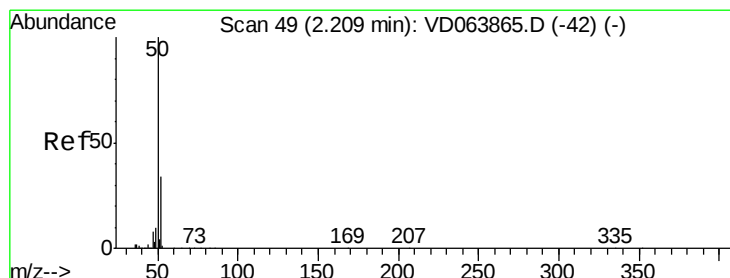
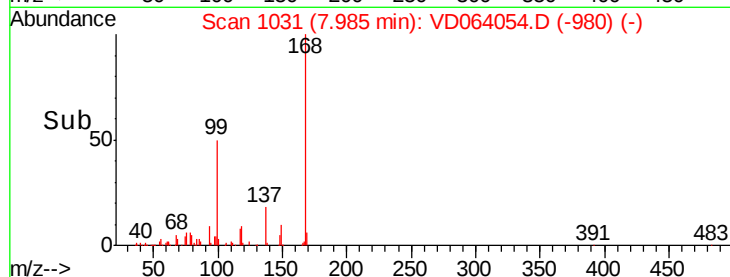
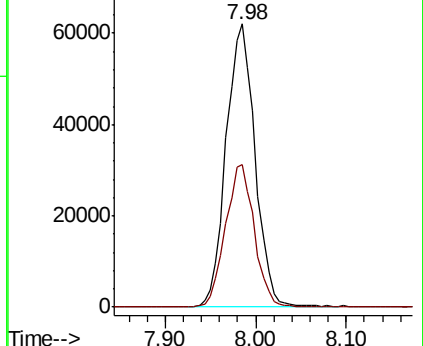
168 100

99 50.4 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: VD064054.D

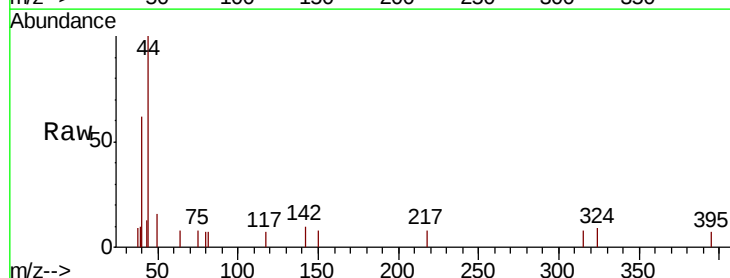
Acq: 24 Oct 2019 19:11

Tgt Ion: 50 Resp: 398

Ion Ratio Lower Upper

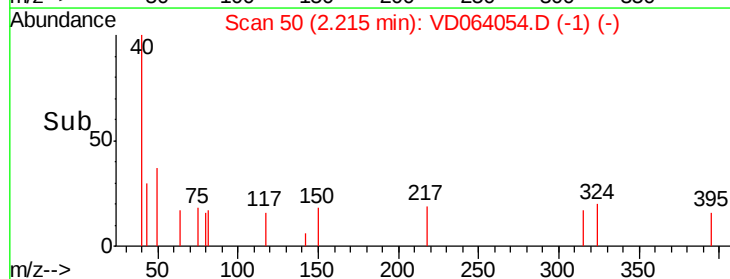
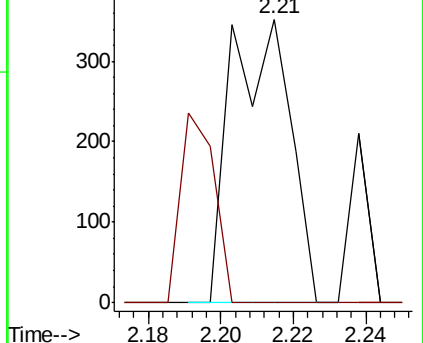
50 100

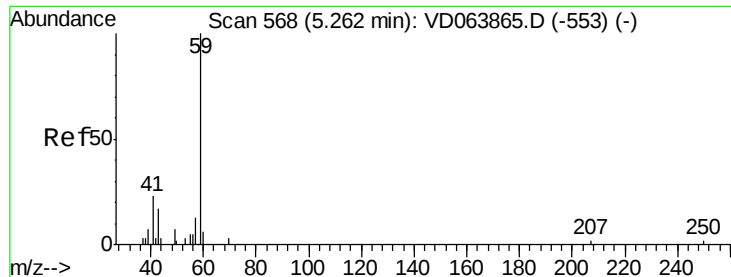
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

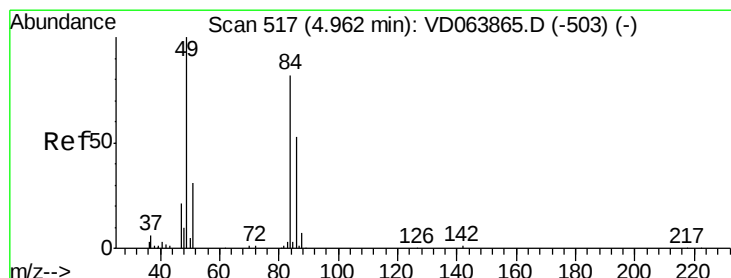
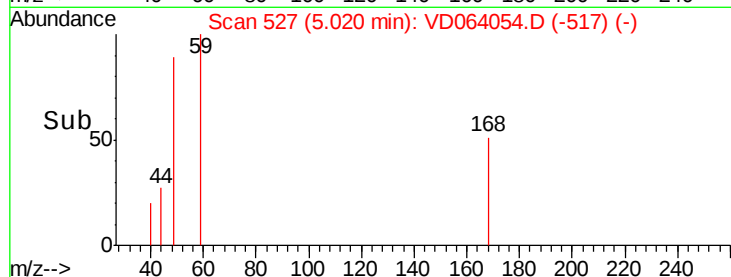
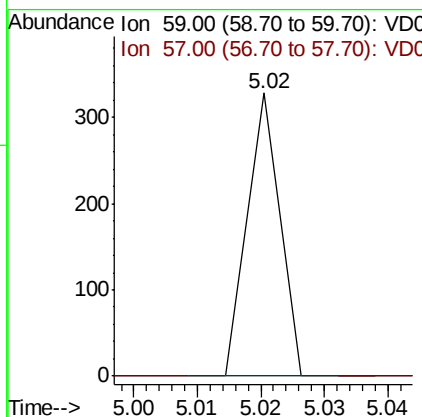
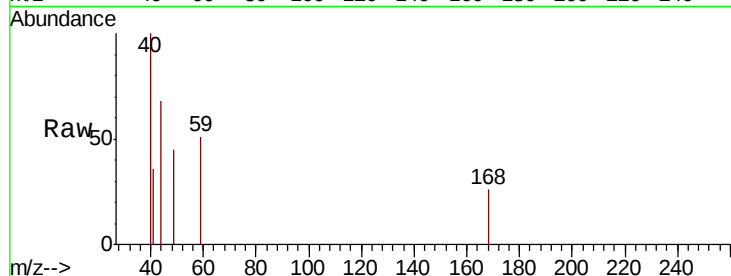




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.02 min Scan# 527
Delta R.T. -0.24 min
Lab File: VD064054.D
Acq: 24 Oct 2019 19:11

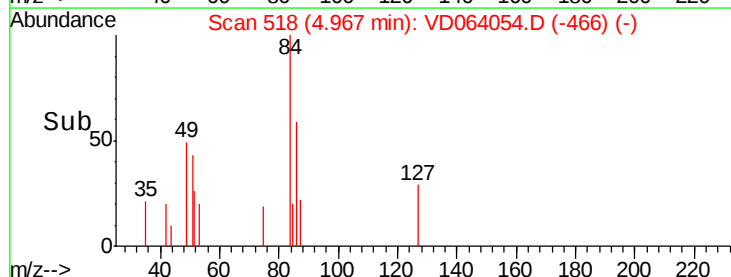
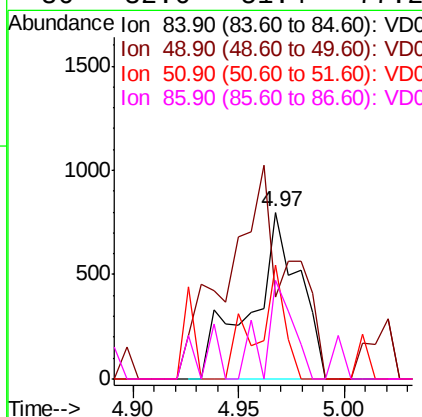
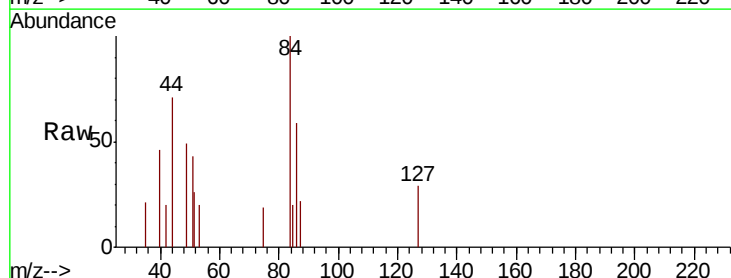
Instrument :
MSVOA_D
ClientSampleId :

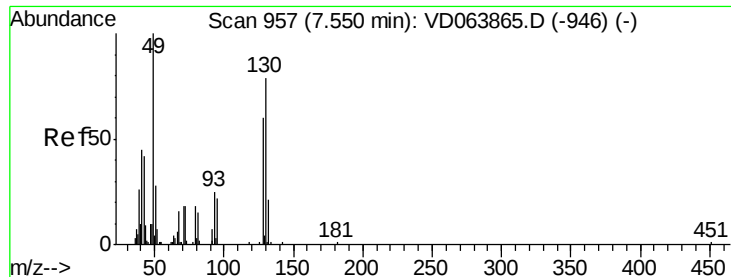
Tot Ion: 59 Resp: 116
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064054.D
Acq: 24 Oct 2019 19:11

Tgt Ion: 84 Resp: 1285
Ion Ratio Lower Upper
84 100
49 49.0 97.3 145.9#
51 68.8 30.1 45.1#
86 32.6 51.4 77.2#

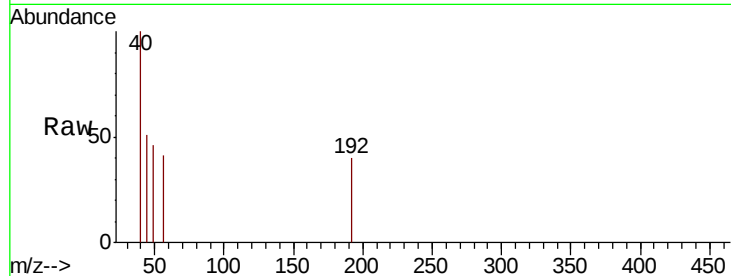




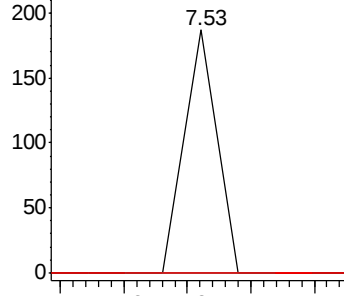
#28
Bromochloromethane
Concen: 1.933 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.02 min
Lab File: VD064054.D
Acq: 24 Oct 2019 19:11

Instrument :
MSVOA_D
ClientSampleId :

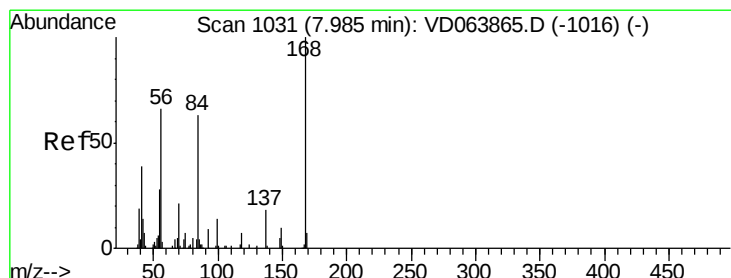
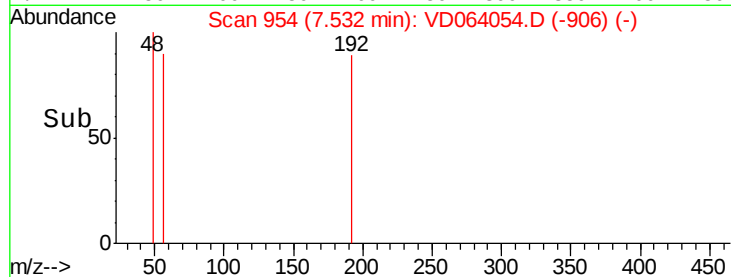
Tot Ion: 49 Resp: 66
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



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

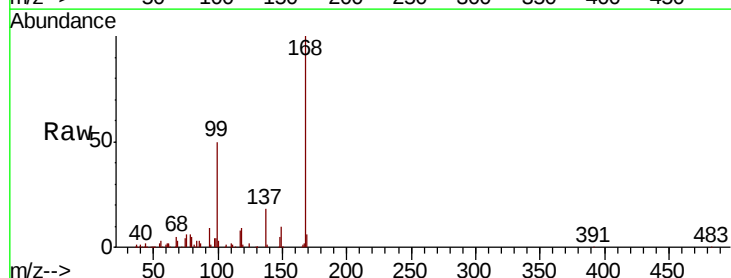


Time--> 7.51 7.52 7.53 7.54 7.55

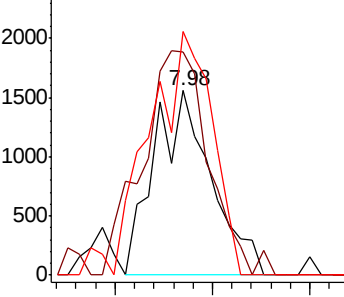


#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064054.D
Acq: 24 Oct 2019 19:11

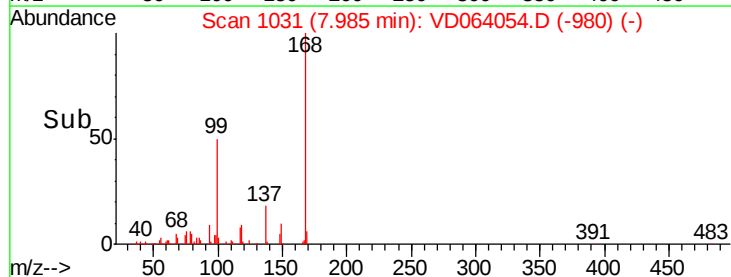
Tgt Ion: 56 Resp: 3194
Ion Ratio Lower Upper
56 100
69 120.8 25.0 37.4#
84 132.1 76.3 114.5#

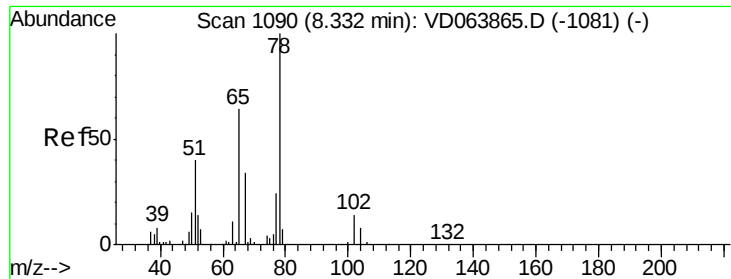


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



Time--> 7.95 8.00 8.05

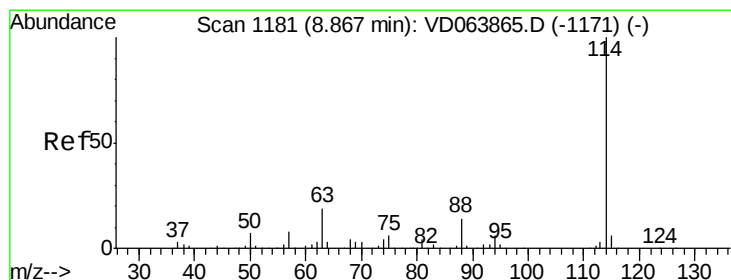
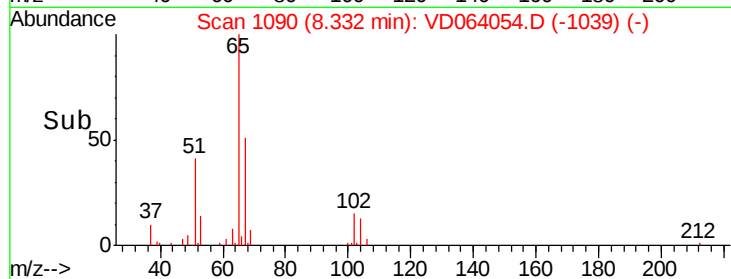
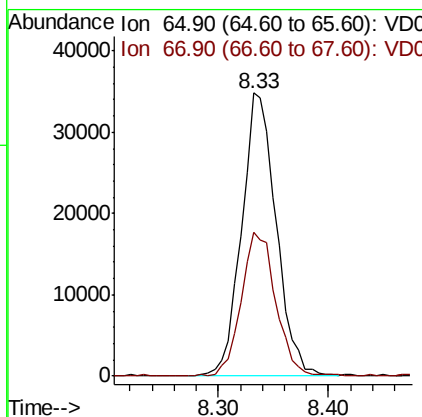
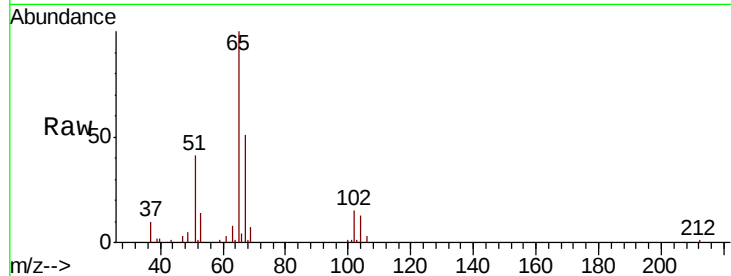




#33
 1,2-Dichloroethane-d4
 Concen: 56.994 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064054.D
 Acq: 24 Oct 2019 19:11

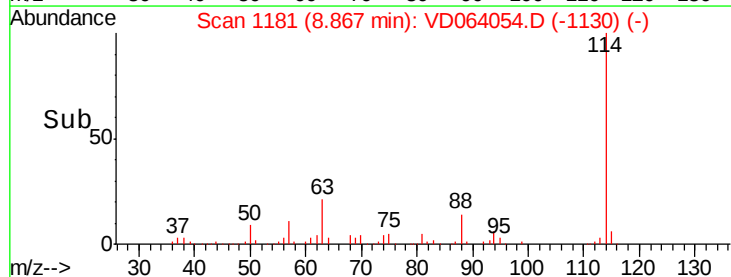
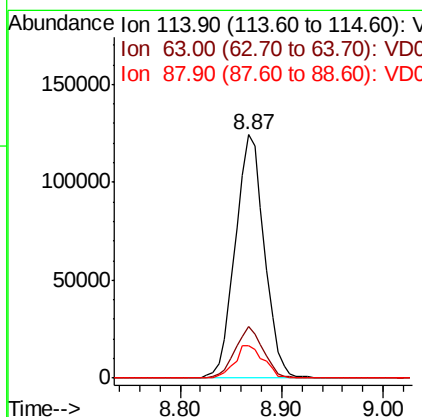
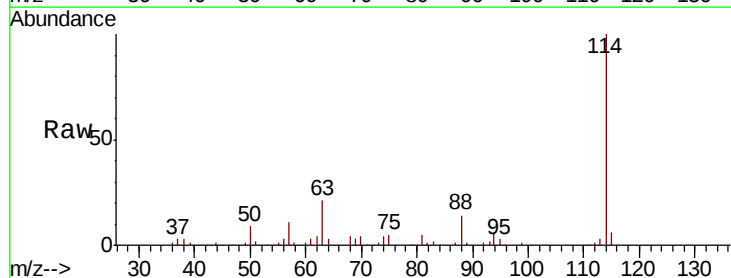
Instrument :
 MSVOA_D
 ClientSampleId :

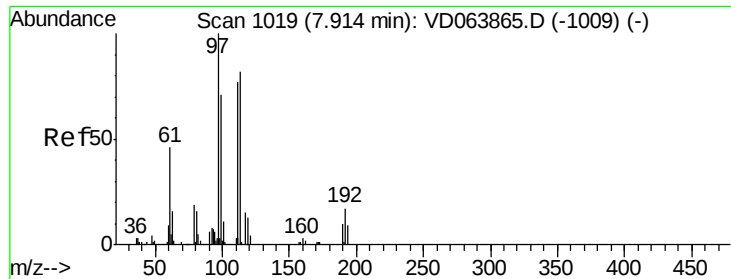
Tot Ion: 65 Resp: 76371
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064054.D
 Acq: 24 Oct 2019 19:11

Tgt Ion: 114 Resp: 247729
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 38.4
 88 13.5 0.0 27.4

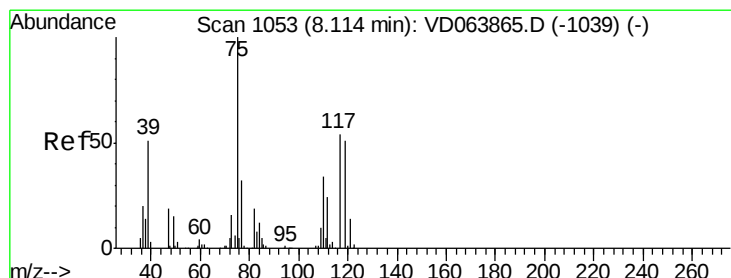
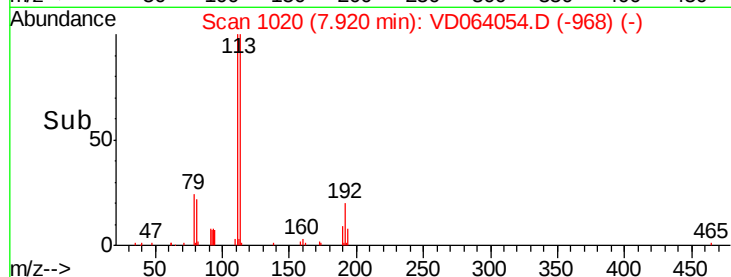
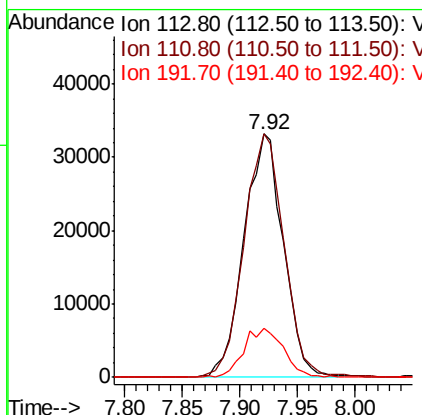
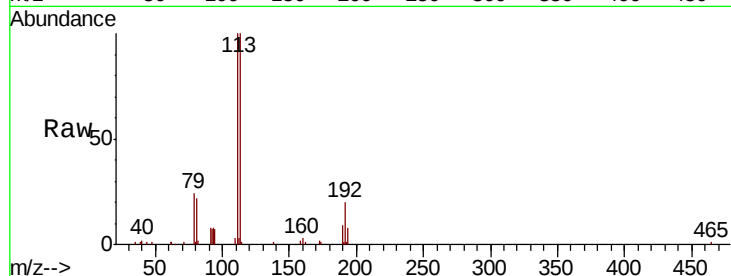




#35
 Dibromofluoromethane
 Concen: 51.942 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064054.D
 Acq: 24 Oct 2019 19:11

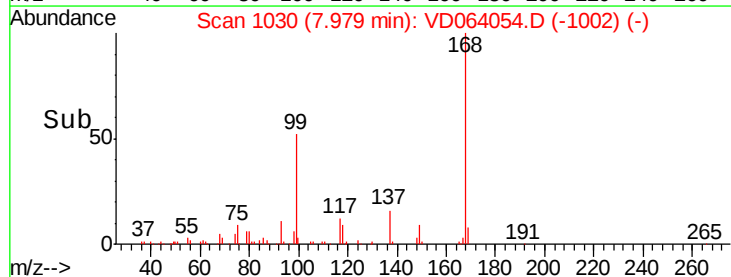
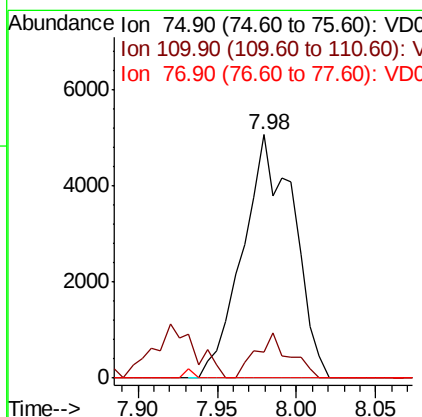
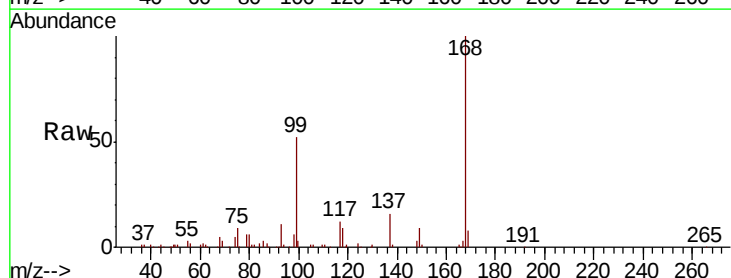
Instrument :
 MSVOA_D
 ClientSampleId :

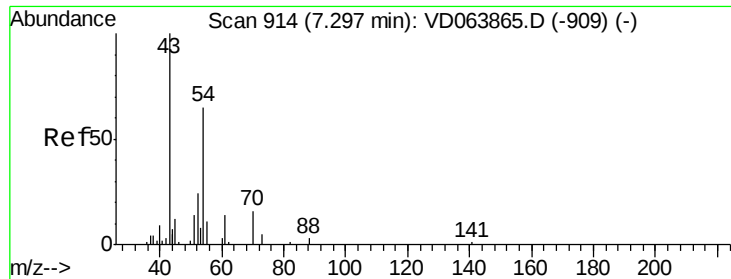
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	20.1	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064054.D
 Acq: 24 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.2	17.4	52.3#
77	0.0	25.4	38.0#

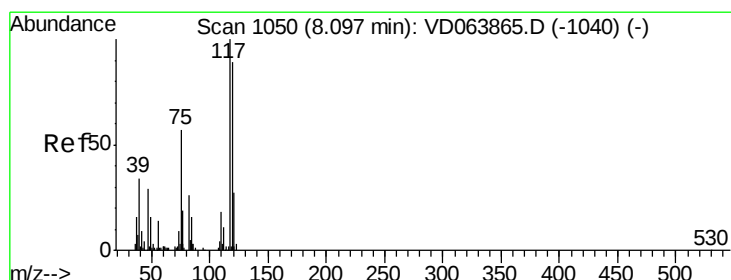
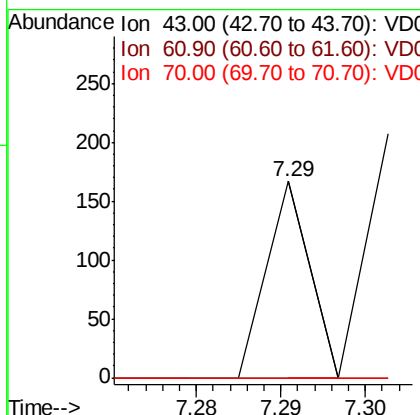
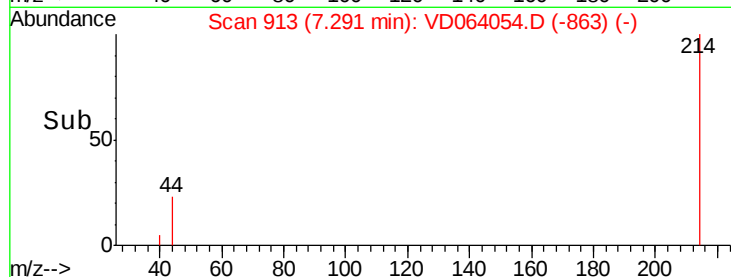
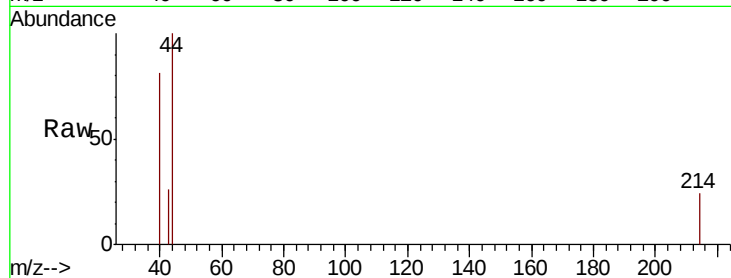




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064054.D
Acq: 24 Oct 2019 19:11

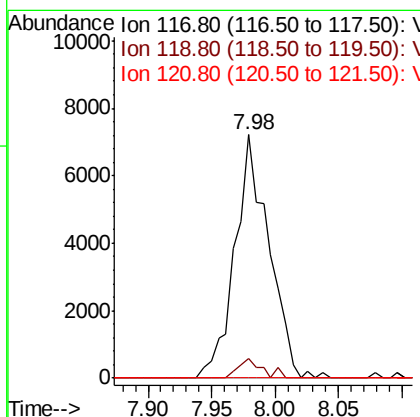
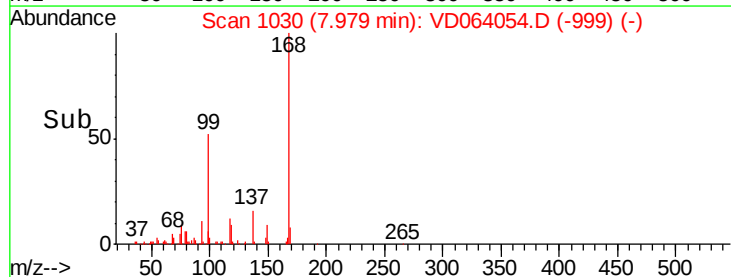
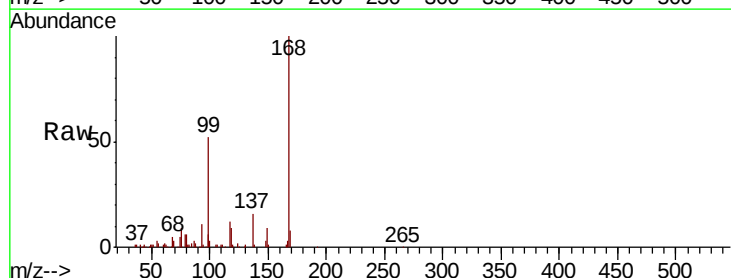
Instrument :
MSVOA_D
ClientSampled :

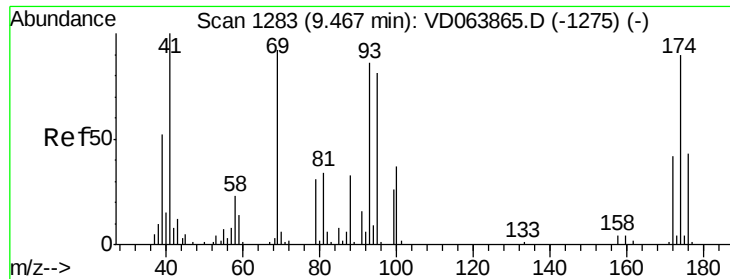
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.869 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064054.D
Acq: 24 Oct 2019 19:11

Tgt Ion: 117 Resp: 13433
Ion Ratio Lower Upper
117 100
119 7.9 70.8 106.2#
121 0.0 21.4 32.0#





#49

1,4-Dioxane

Concen: 4.372 ug/l

RT: 9.51 min Scan# 1290

Delta R.T. 0.04 min

Lab File: VD064054.D

Acq: 24 Oct 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

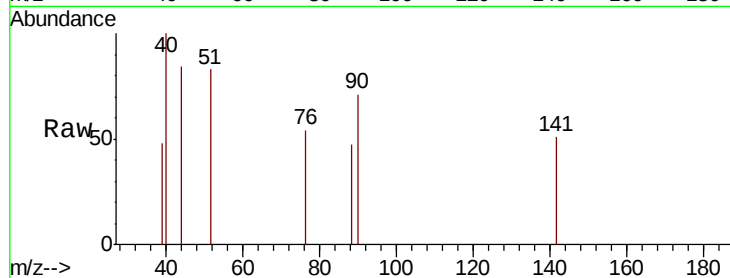
Tot Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 107.4 27.6 41.4#

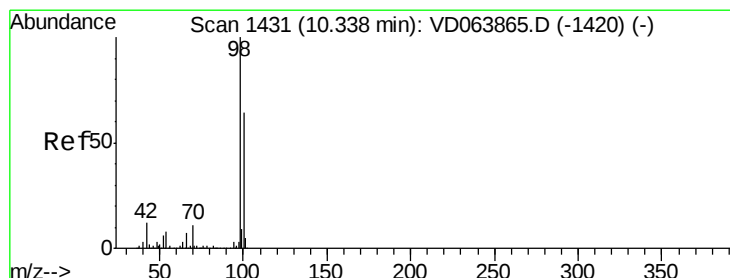
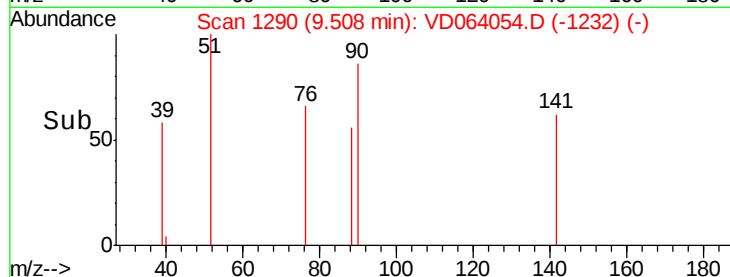
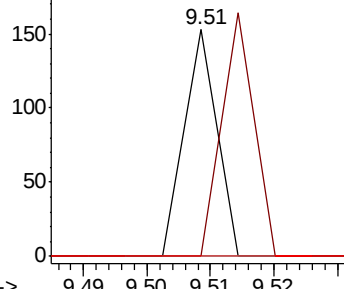
58 0.0 54.1 81.1#



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: 56.397 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064054.D

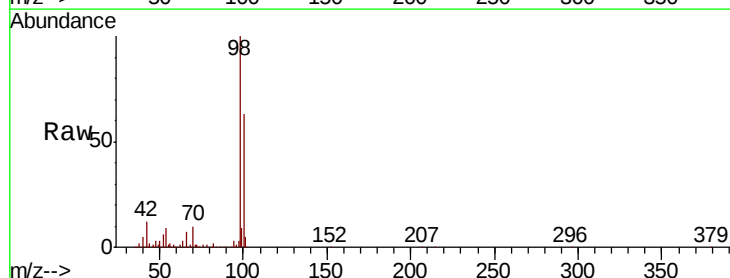
Acq: 24 Oct 2019 19:11

Tgt Ion: 98 Resp: 346555

Ion Ratio Lower Upper

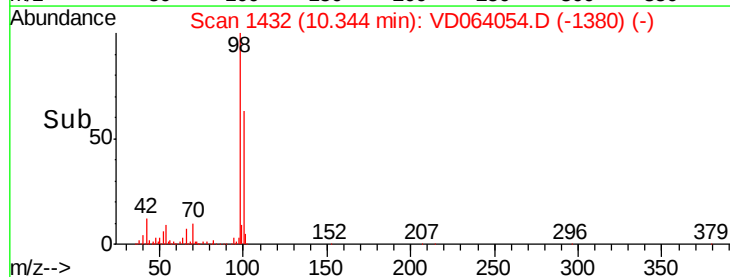
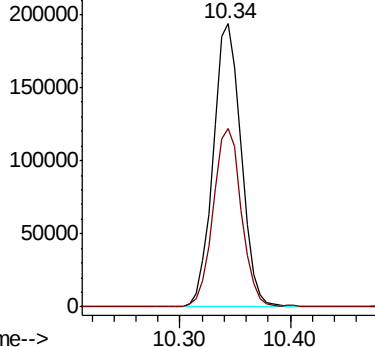
98 100

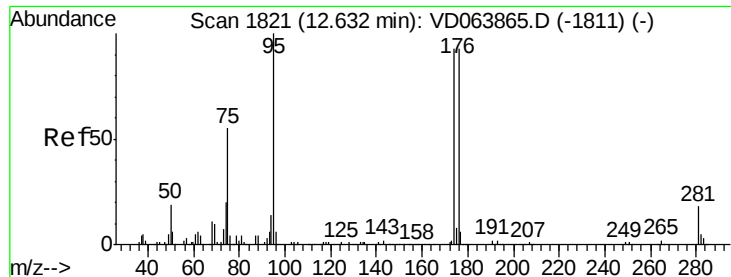
100 63.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 46.698 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD064054.D

Acq: 24 Oct 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

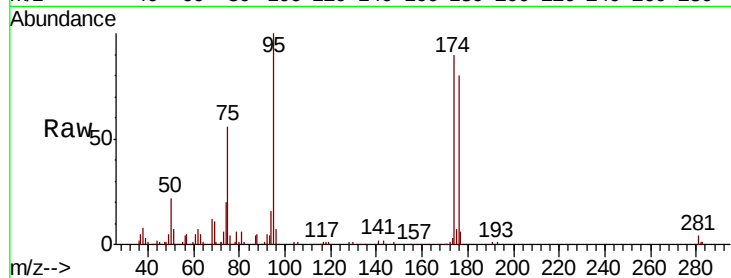
Tot Ion: 95 Resp: 99717

Ion Ratio Lower Upper

95 100

174 95.9 0.0 186.4

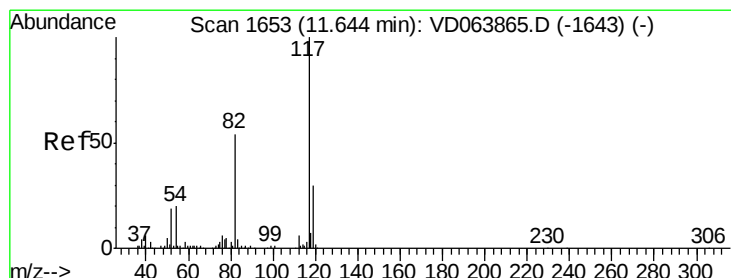
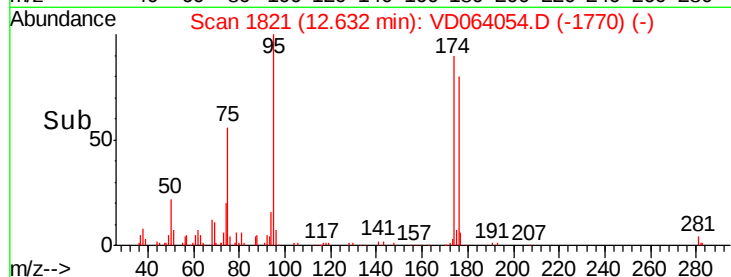
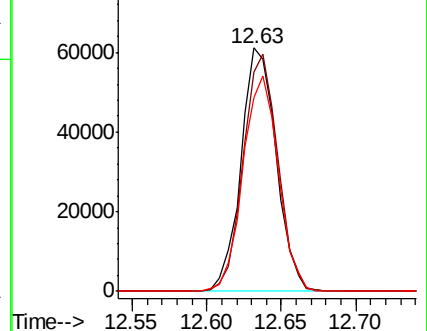
176 89.0 0.0 184.2



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: VD064054.D

Acq: 24 Oct 2019 19:11

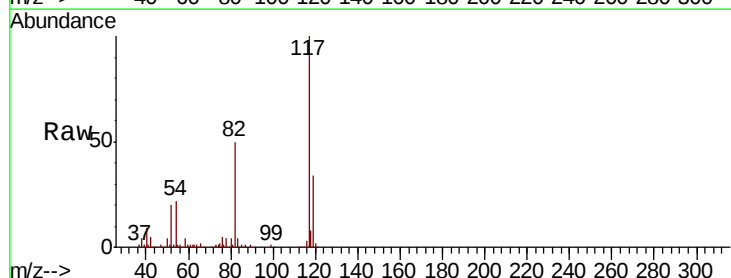
Tgt Ion: 117 Resp: 262386

Ion Ratio Lower Upper

117 100

82 49.9 42.8 64.2

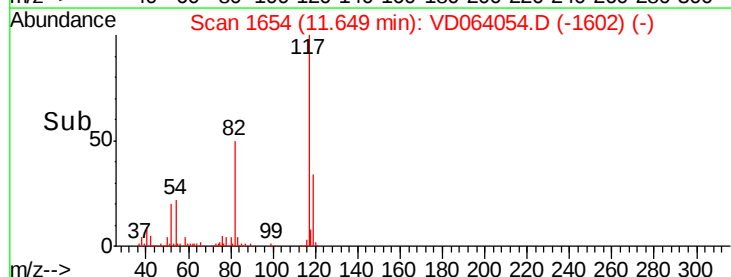
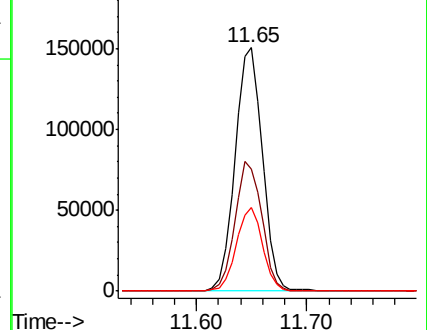
119 34.4 24.4 36.6

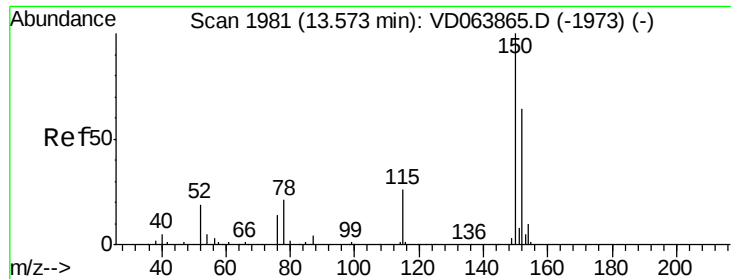


Abundance Ion 116.90 (116.60 to 117.60): V

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: VD064054.D

Acq: 24 Oct 2019 19:11

Instrument :

MSVOA_D

ClientSampled :

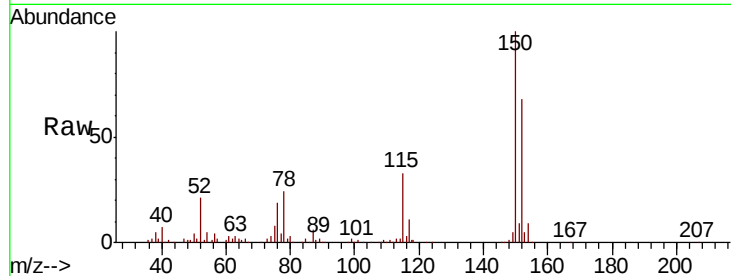
Tot Ion:152 Resp: 123942

Ion Ratio Lower Upper

152 100

115 50.3 25.9 77.7

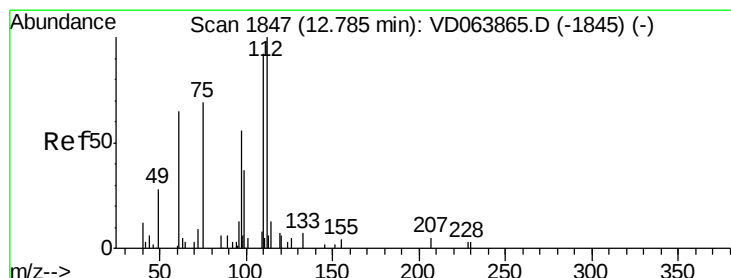
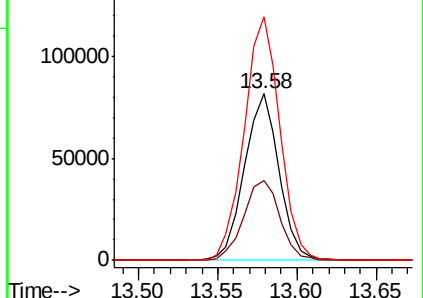
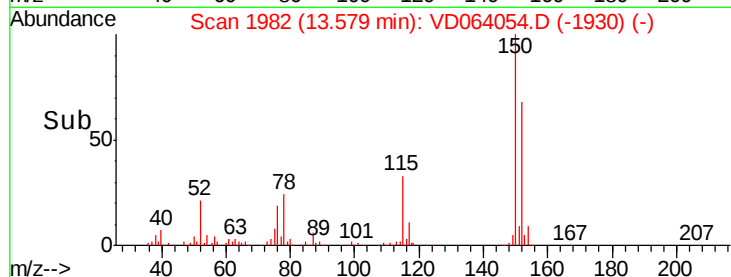
150 150.4 0.0 344.2



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: 68.663 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064054.D

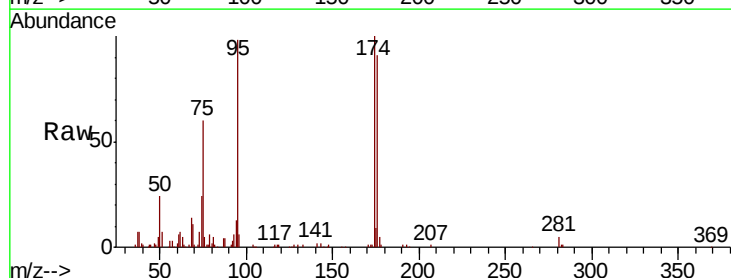
Acq: 24 Oct 2019 19:11

Tgt Ion: 75 Resp: 56999

Ion Ratio Lower Upper

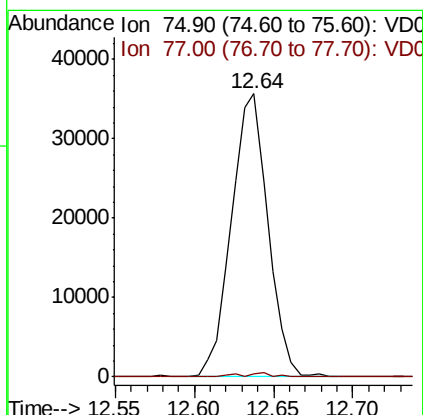
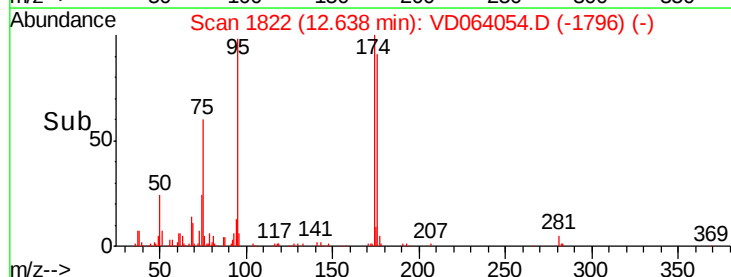
75 100

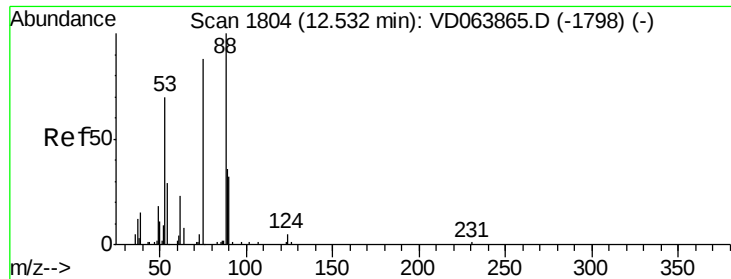
77 0.6 0.0 0.0#



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: 121.506 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064054.D

Acq: 24 Oct 2019 19:11

Instrument :

MSVOA_D

ClientSampleId :

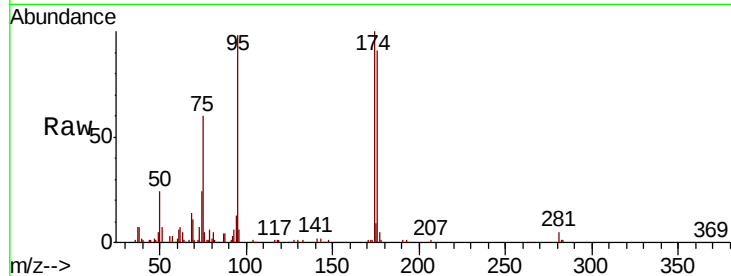
Tot Ion: 75 Resp: 56999

Ion Ratio Lower Upper

75 100

53 0.2 75.0 112.6#

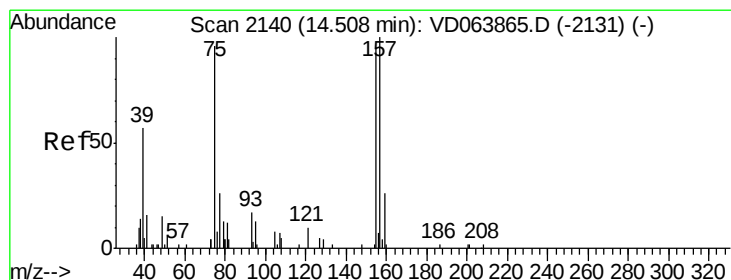
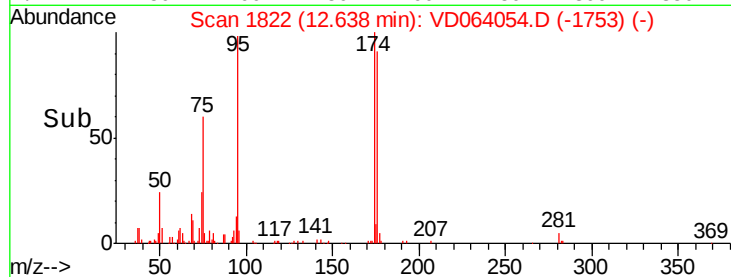
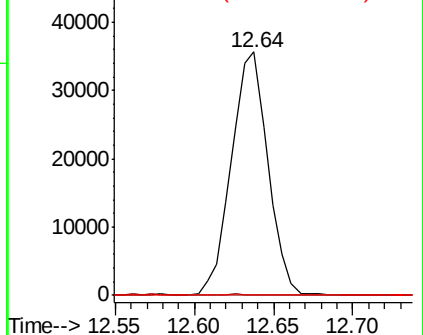
89 0.0 38.2 57.4#



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: 14.53 min Scan# 2143

Delta R.T. 0.02 min

Lab File: VD064054.D

Acq: 24 Oct 2019 19:11

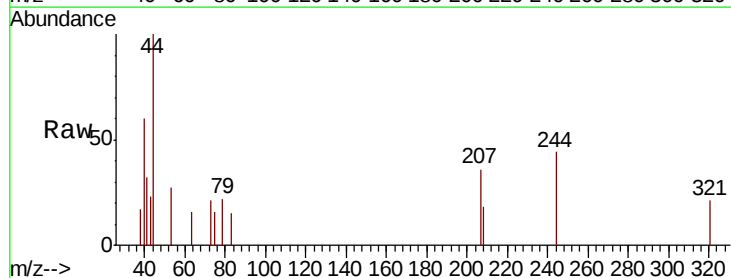
Tgt Ion: 75 Resp: 56

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

