

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063907.D
 Acq On : 10 Oct 2019 13:48
 Operator : VA/SY
 Sample : K5285-05
 Misc : 5.09G/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:38:30 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	193258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	314934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	305142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	149592	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	98508	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
35) Dibromofluoromethane	7.92	113	98731	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	10.34	98	406439	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.64	95	122803	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	

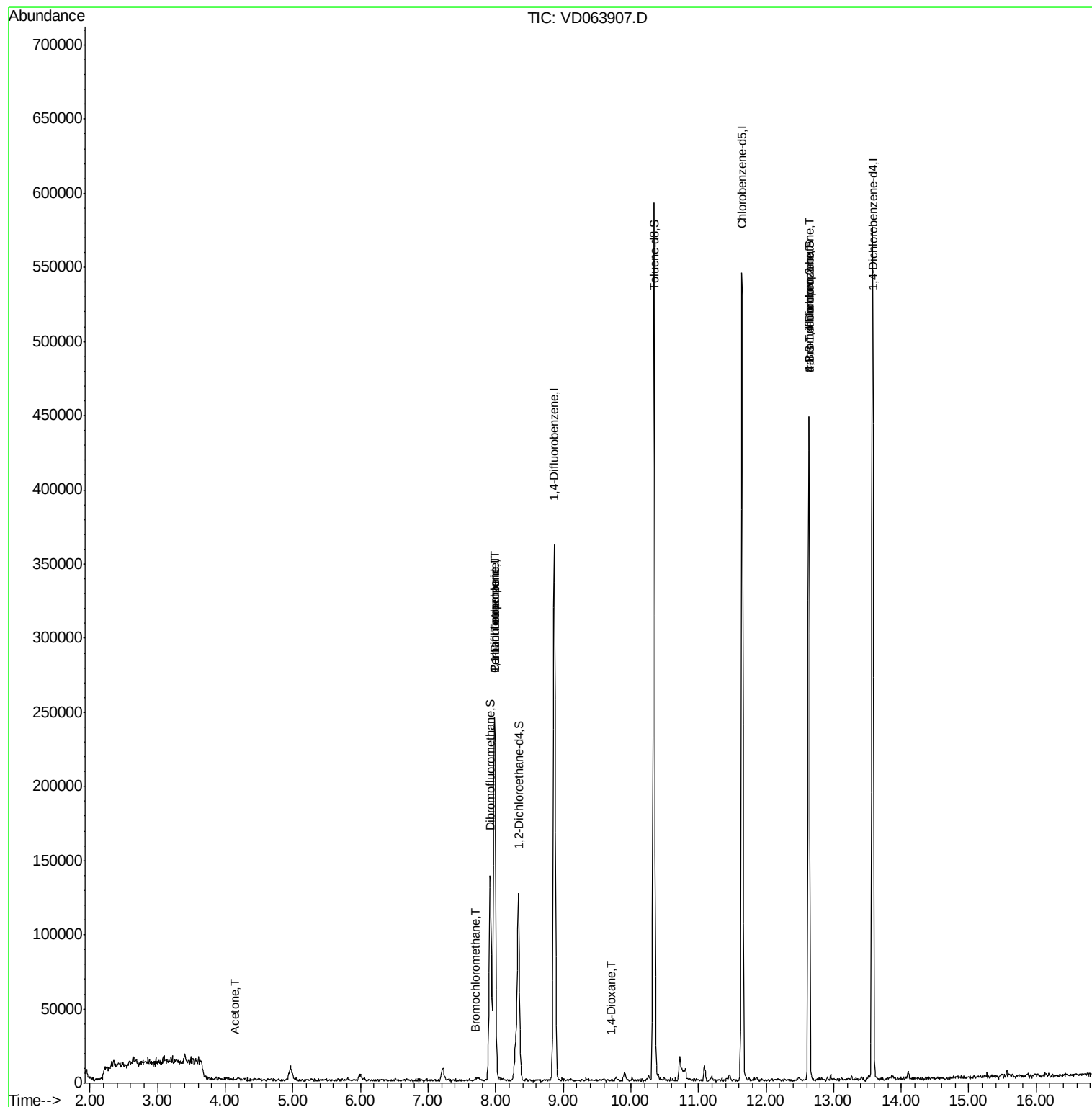
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	764	Below Cal	#	80
11) Tert butyl alcohol	5.26	59	144	Below Cal	#	71
16) Acetone	4.15	43	845	1.725	ug/l #	42
20) Methylene Chloride	4.97	84	4736	Below Cal	#	69
28) Bromochloromethane	7.71	49	239	2.043	ug/l #	10
31) Cyclohexane	7.98	56	4424	Below Cal	#	53
36) 1,1-Dichloropropene	7.98	75	14736	5.118	ug/l #	41
37) Ethyl Acetate	7.31	43	573	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	20281	6.970	ug/l #	25
49) 1,4-Dioxane	9.71	88	56	3.567	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	67847	67.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	67847	119.831	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.46	75	54	Below Cal	#	1

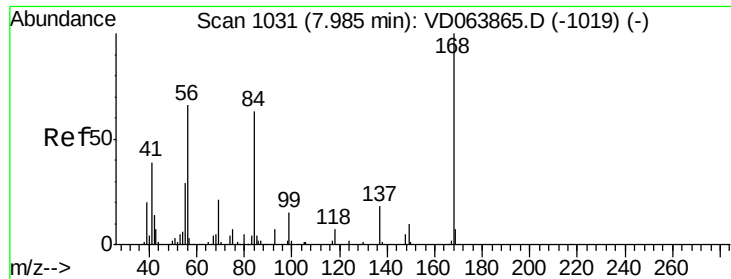
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063907.D

Acq: 10 Oct 2019 13:48

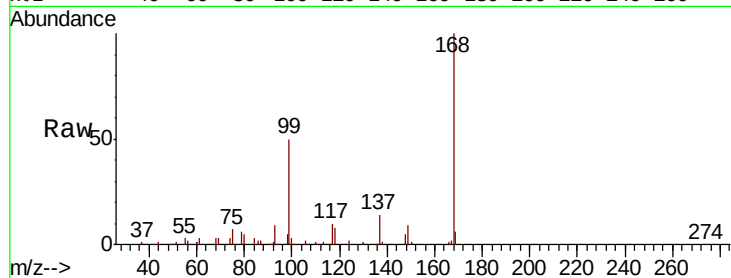
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 193258

Ion Ratio Lower Upper

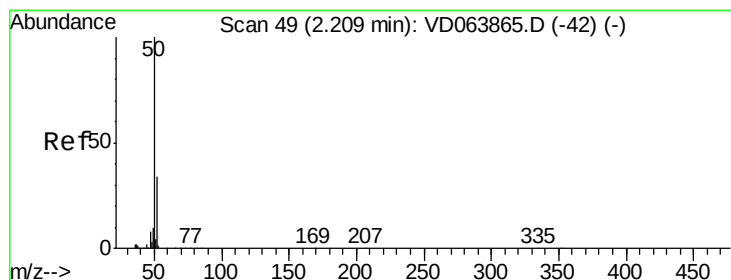
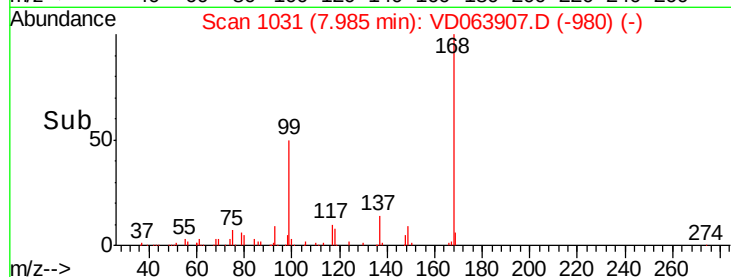
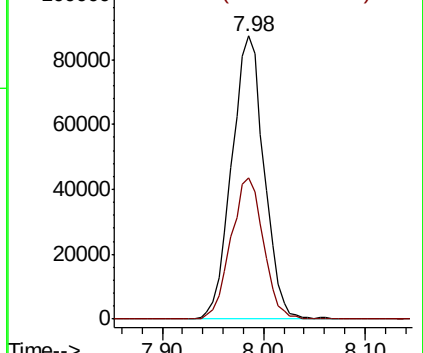
168 100

99 49.9 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: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD063907.D

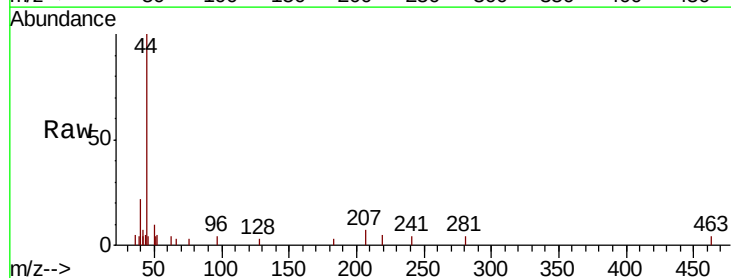
Acq: 10 Oct 2019 13:48

Tgt Ion: 50 Resp: 764

Ion Ratio Lower Upper

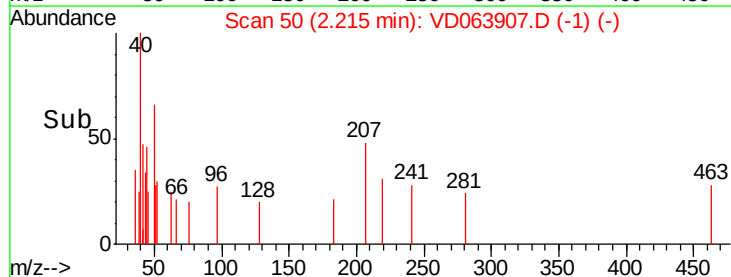
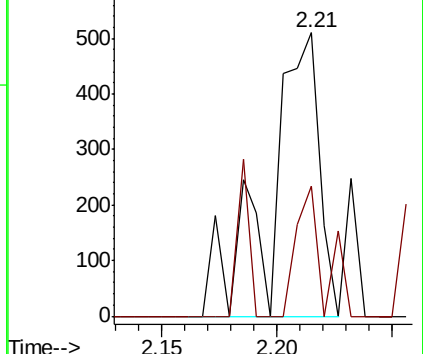
50 100

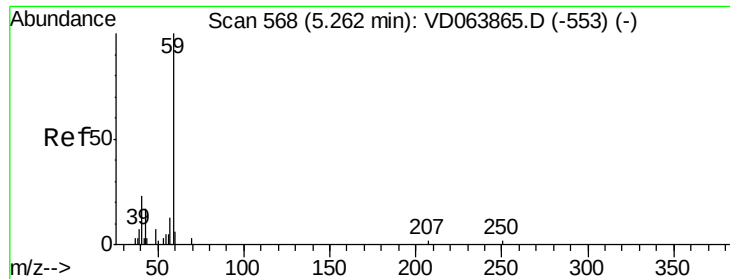
52 45.7 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

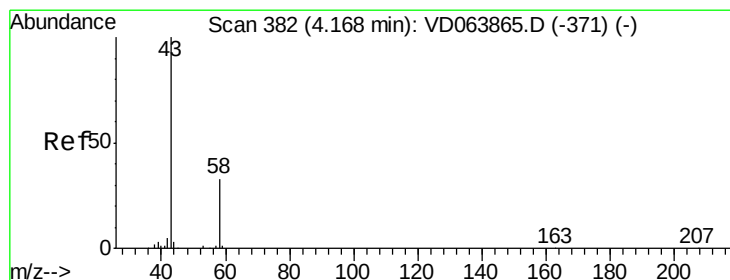
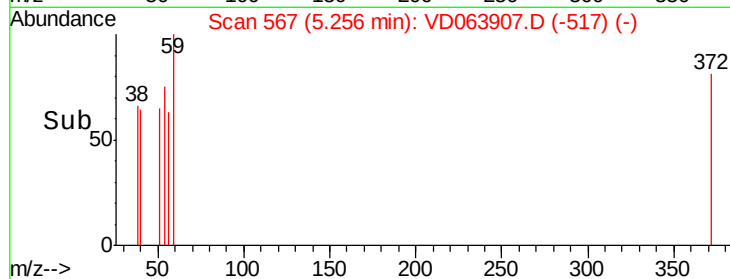
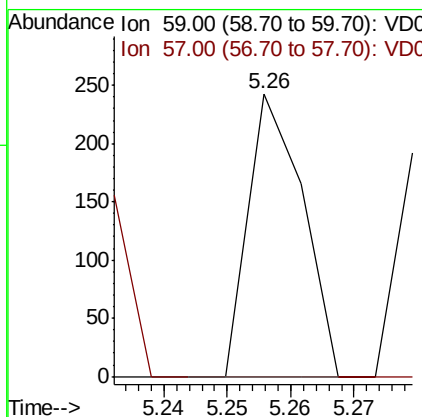
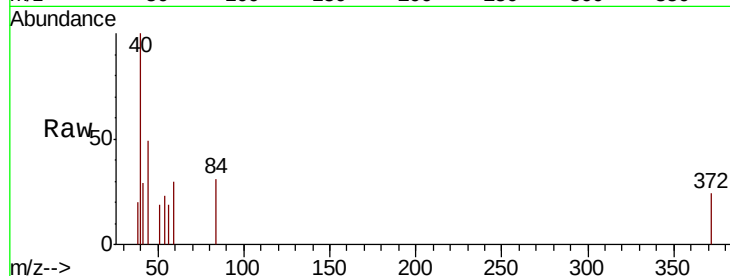




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

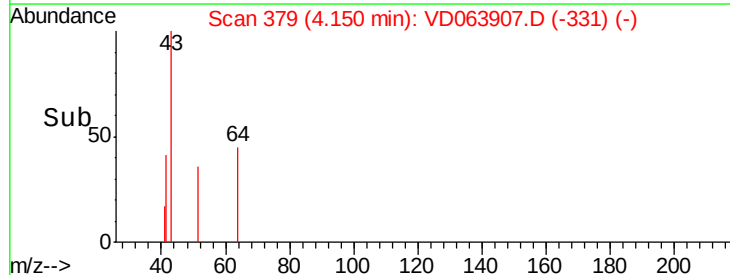
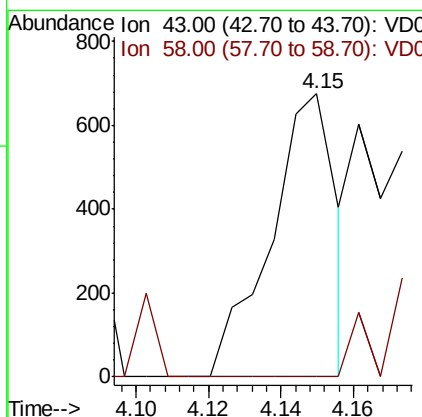
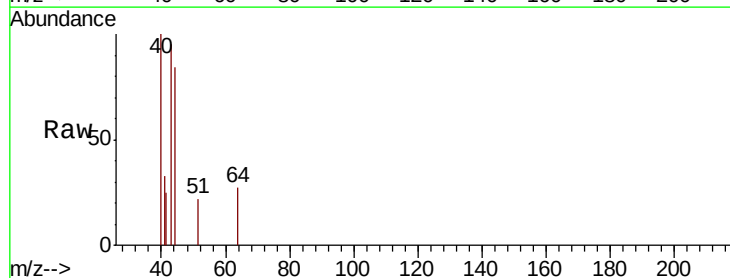
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MSVOA_D
ClientSampleId :

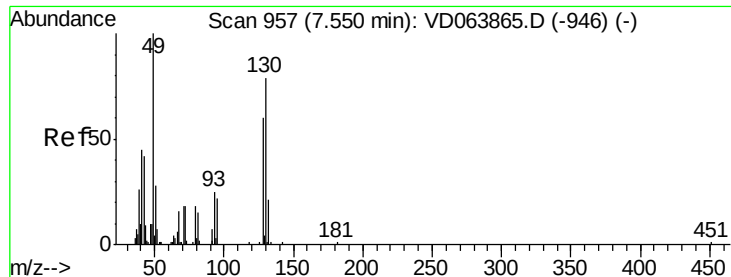
Tot Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 1.725 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

Tgt Ion: 43 Resp: 845
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#

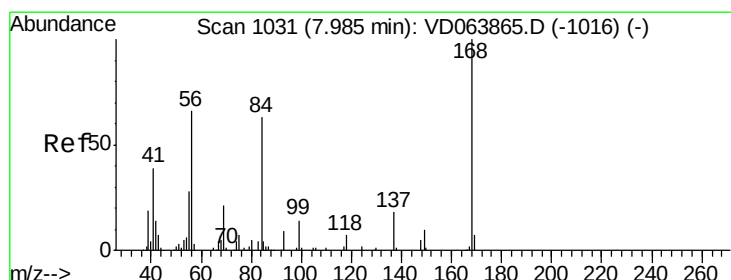
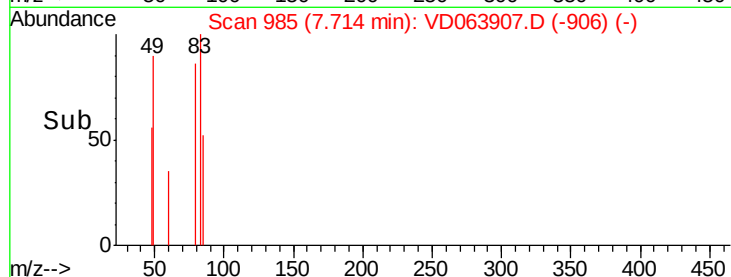
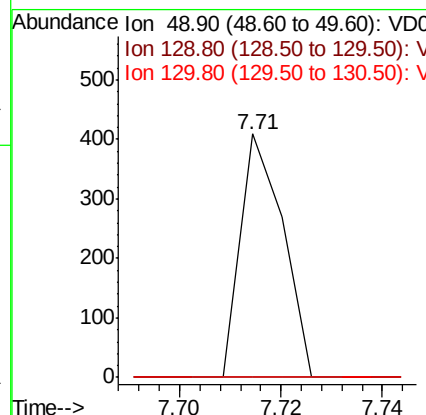
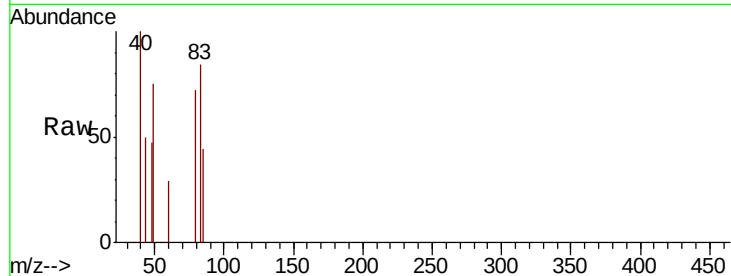




#28
Bromochloromethane
Concen: 2.043 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.17 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

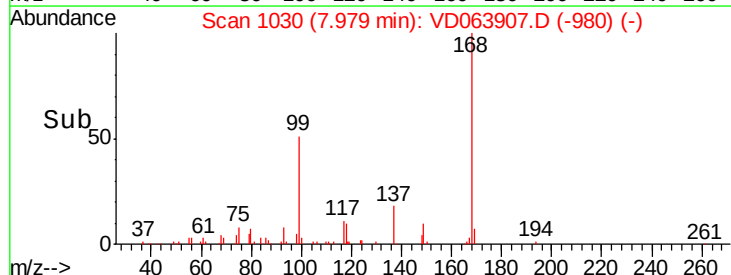
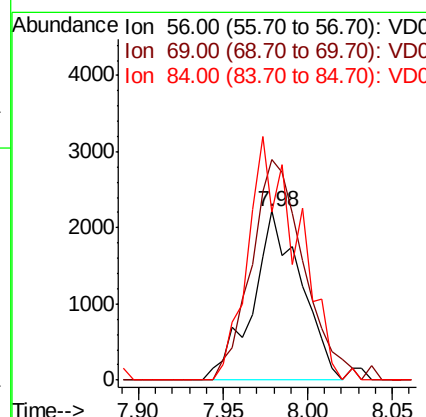
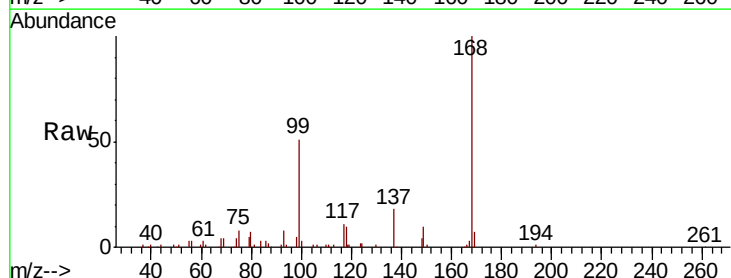
Instrument :
MSVOA_D
ClientSampled :

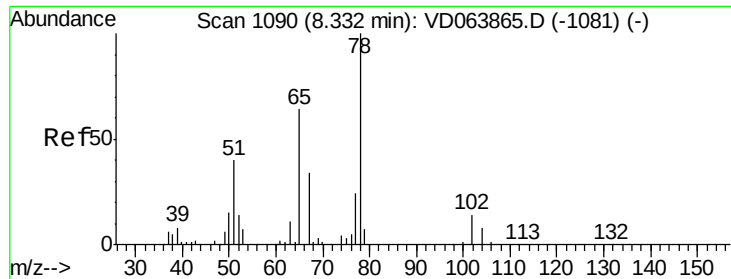
Tot Ion: 49 Resp: 239
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

Tgt Ion: 56 Resp: 4424
Ion Ratio Lower Upper
56 100
69 130.1 25.0 37.4#
84 99.6 76.3 114.5

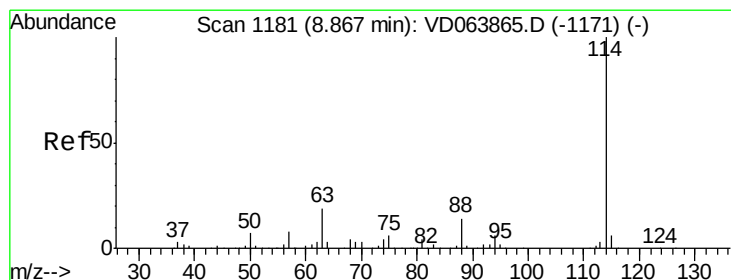
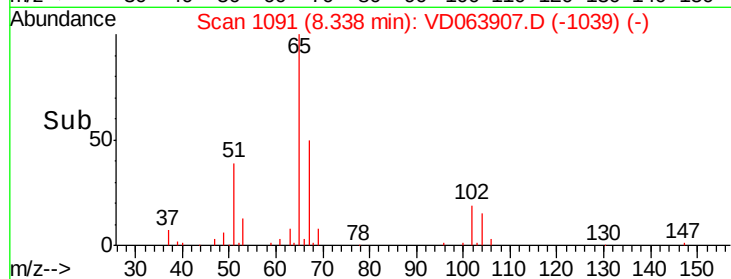
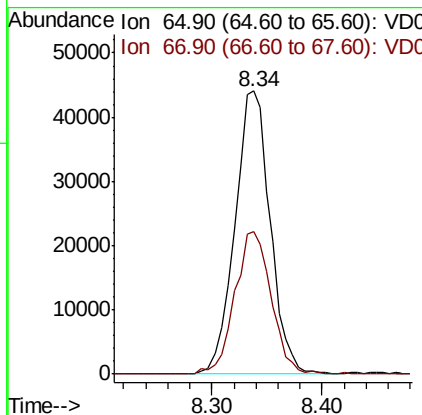
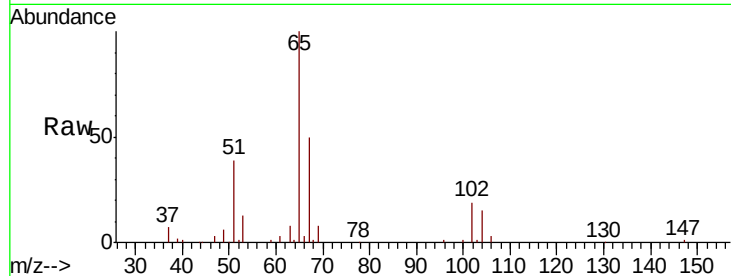




#33
 1,2-Dichloroethane-d4
 Concen: 52.356 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063907.D
 Acq: 10 Oct 2019 13:48

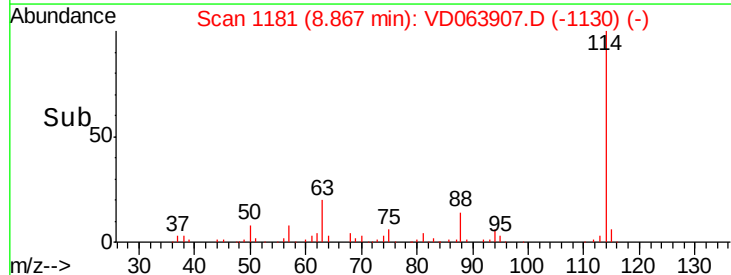
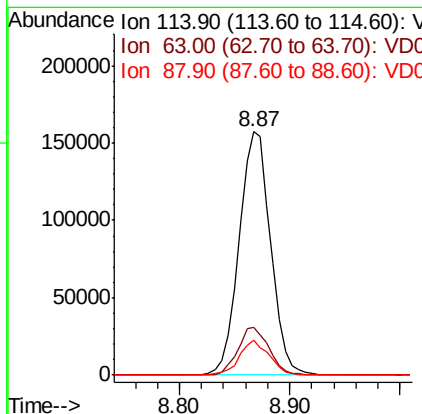
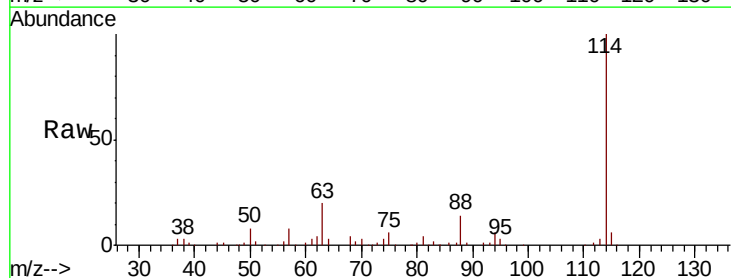
Instrument :
 MSVOA_D
 ClientSampled :

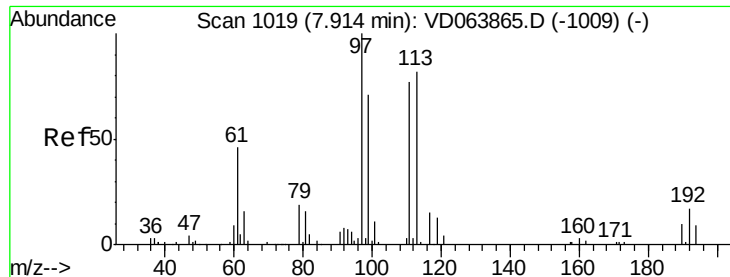
Tot Ion: 65 Resp: 98508
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063907.D
 Acq: 10 Oct 2019 13:48

Tgt Ion: 114 Resp: 314934
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 14.4 0.0 27.4

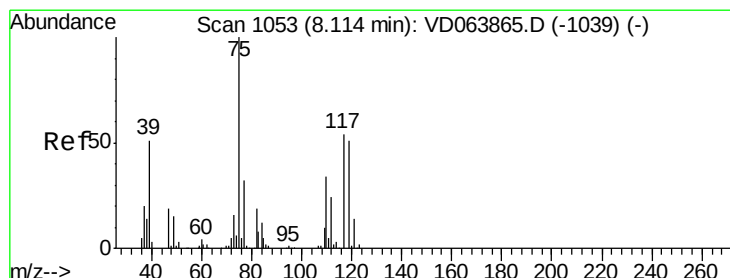
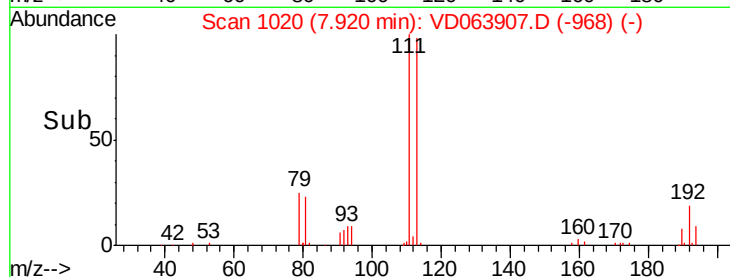
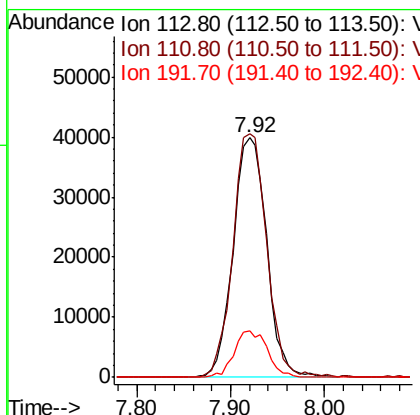
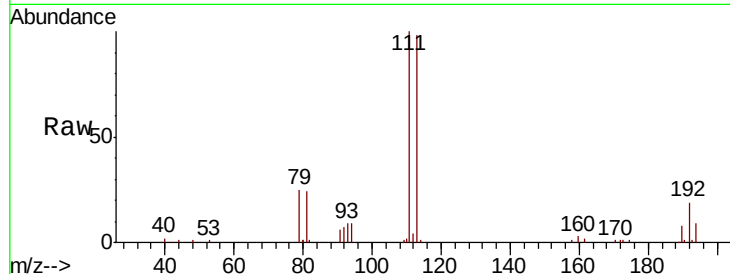




#35
 Dibromofluoromethane
 Concen: 51.298 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063907.D
 Acq: 10 Oct 2019 13:48

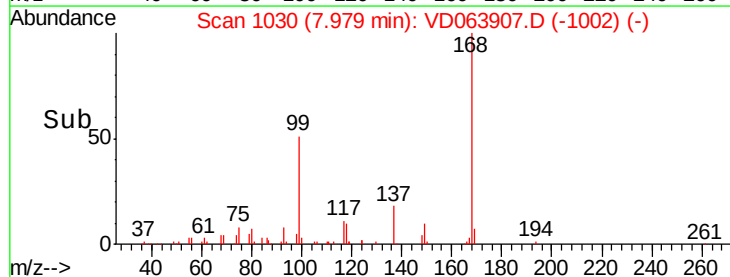
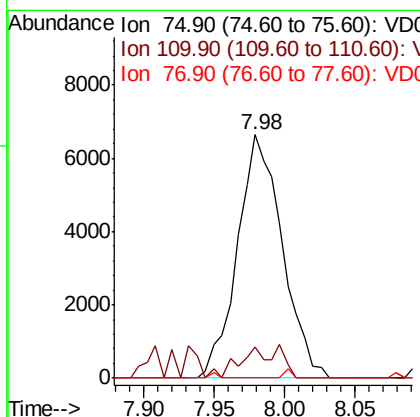
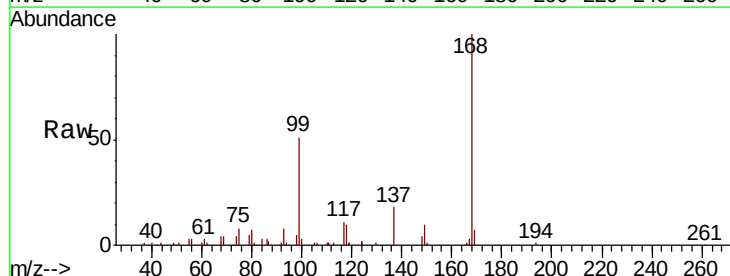
Instrument :
 MSVOA_D
 ClientSampled :

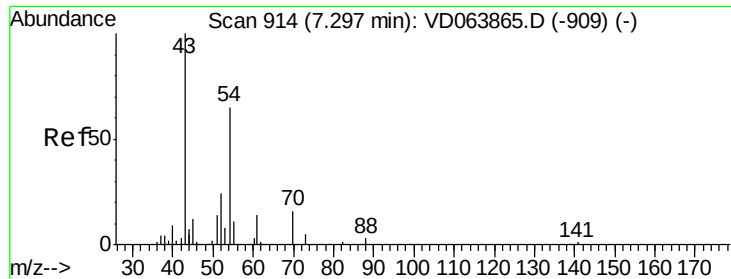
Tot Ion:113 Resp: 98731
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 19.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.118 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063907.D
 Acq: 10 Oct 2019 13:48

Tgt Ion: 75 Resp: 14736
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.4 52.3#
 77 0.0 25.4 38.0#

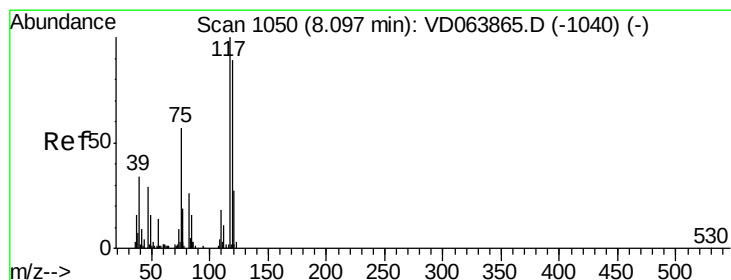
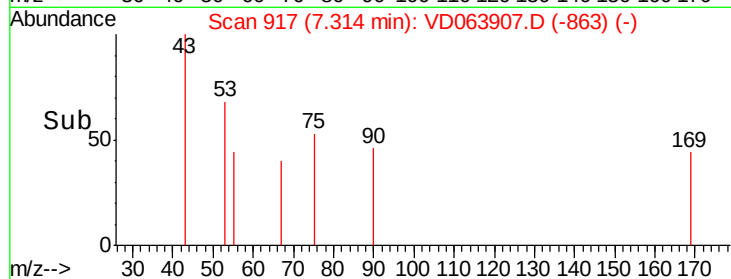
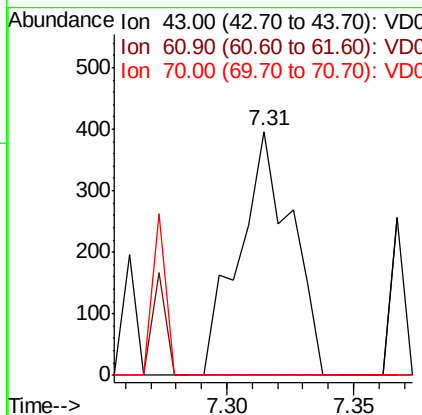
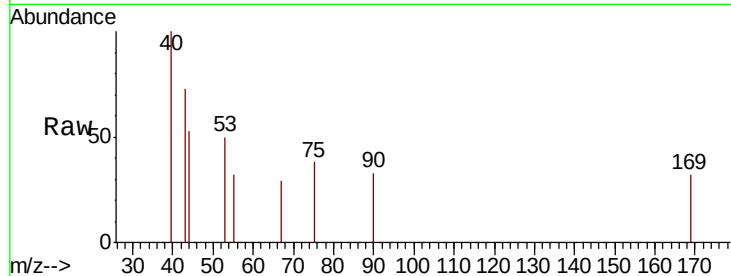




#37
Ethyl Acetate
Concen: Below Cal
RT: 7.31 min Scan# 917
Delta R.T. 0.02 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

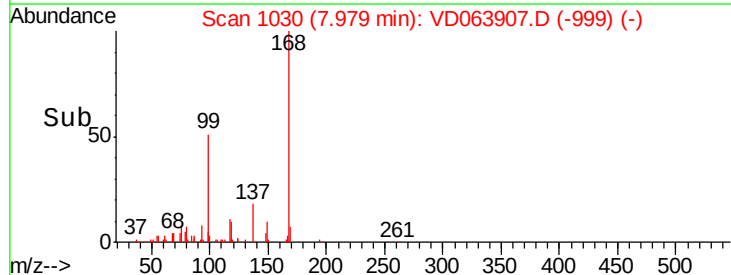
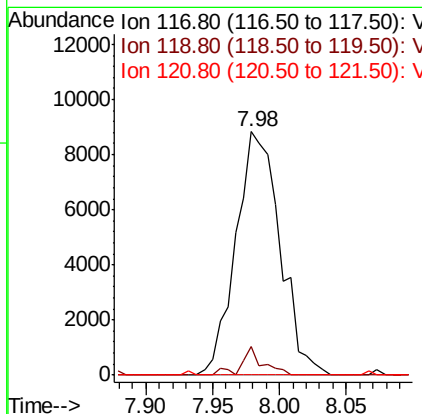
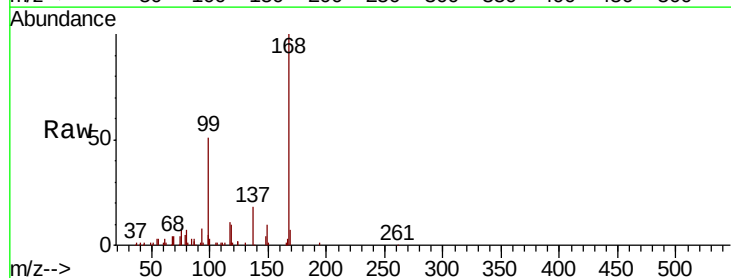
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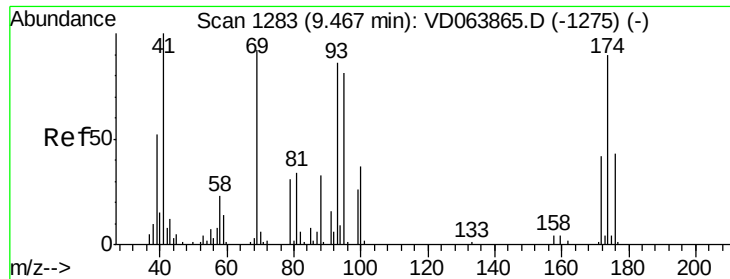
Tot Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.970 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

Tgt Ion: 117 Resp: 20281
Ion Ratio Lower Upper
117 100
119 11.7 70.8 106.2#
121 0.0 21.4 32.0#

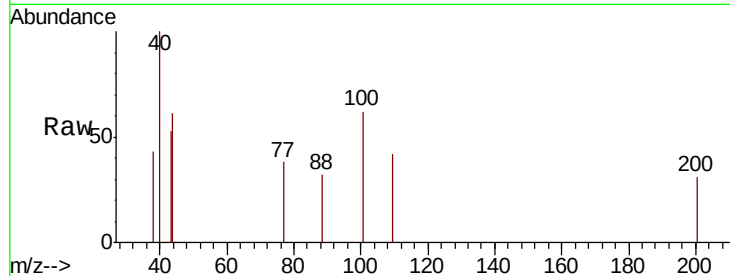




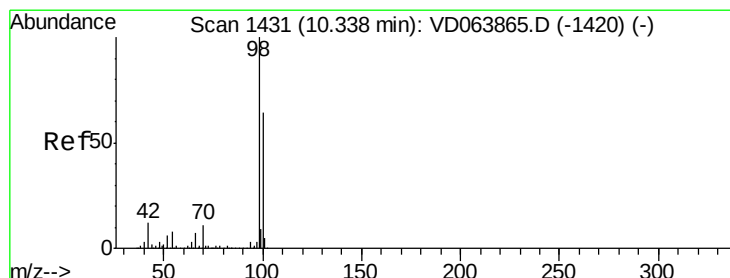
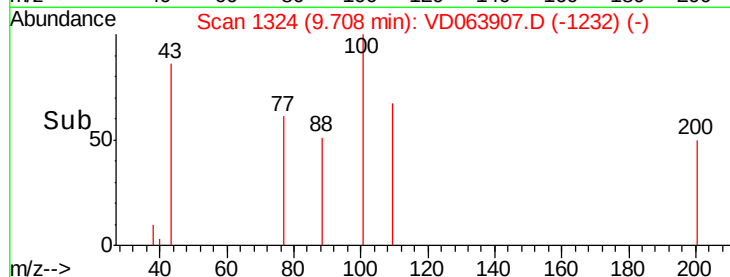
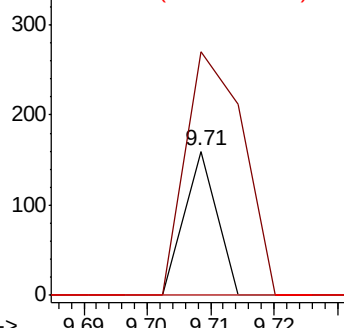
#49
1,4-Dioxane
Concen: 3.567 ug/l
RT: 9.71 min Scan# 1324
Delta R.T. 0.24 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 303.6 27.6 41.4#
58 0.0 54.1 81.1#

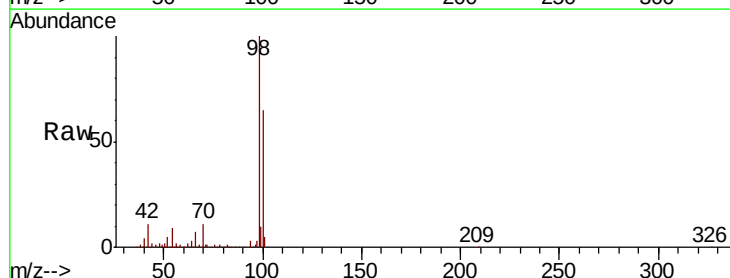


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

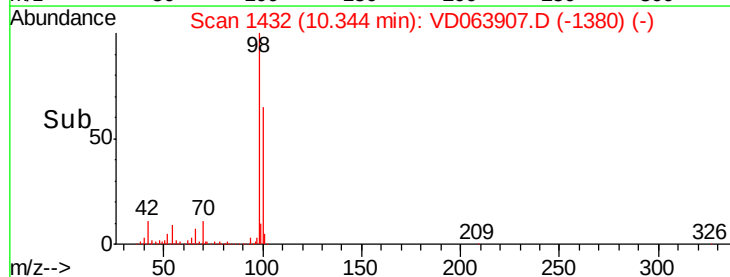
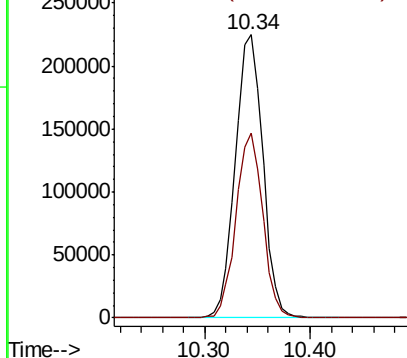


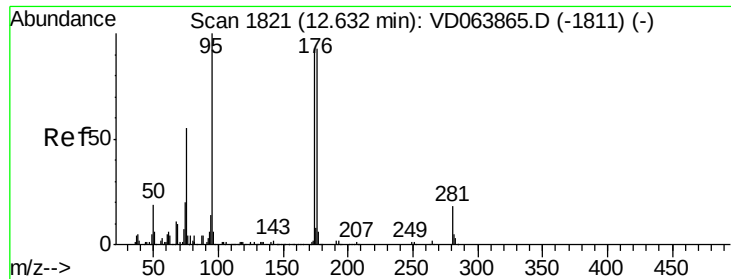
#50
Toluene-d8
Concen: 52.028 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

Tgt Ion: 98 Resp: 406439
Ion Ratio Lower Upper
98 100
100 63.1 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: 45.238 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063907.D

Acq: 10 Oct 2019 13:48

Instrument :

MSVOA_D

ClientSampled :

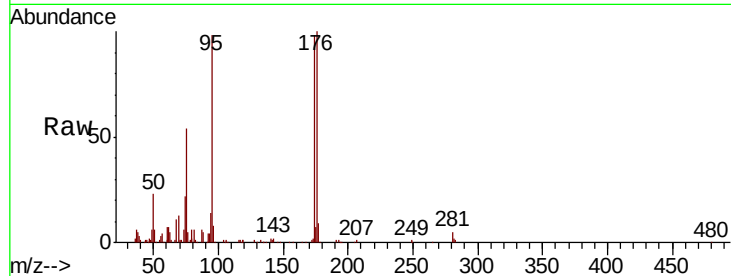
Tot Ion: 95 Resp: 122803

Ion Ratio Lower Upper

95 100

174 95.7 0.0 186.4

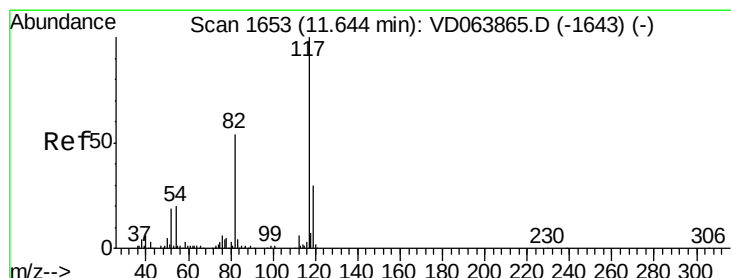
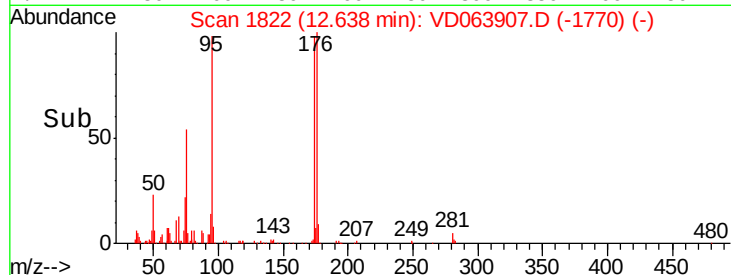
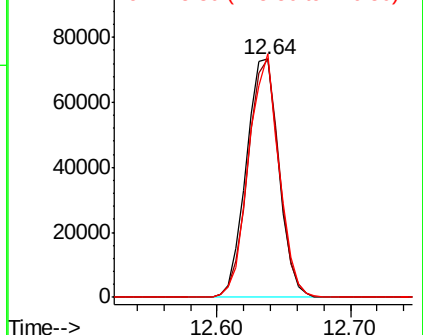
176 95.0 0.0 184.2



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: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD063907.D

Acq: 10 Oct 2019 13:48

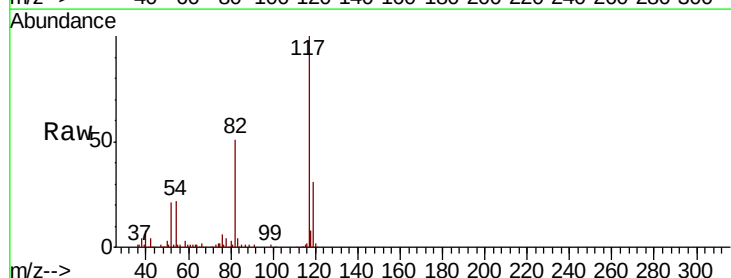
Tgt Ion: 117 Resp: 305142

Ion Ratio Lower Upper

117 100

82 51.2 42.8 64.2

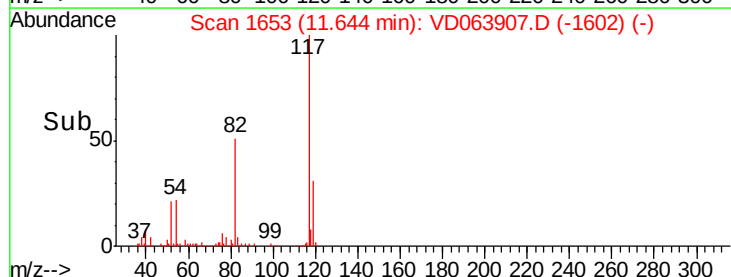
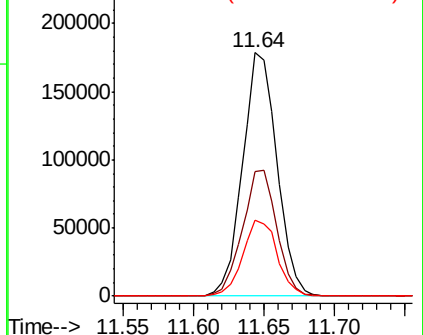
119 31.1 24.4 36.6

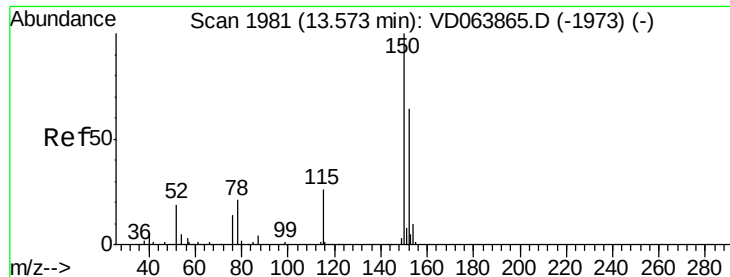


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



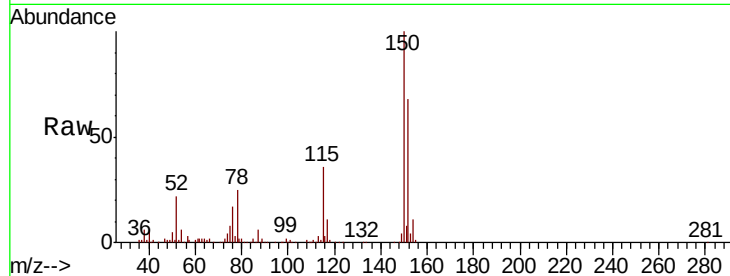


#72

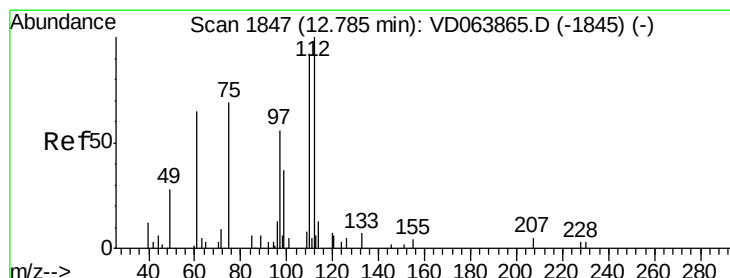
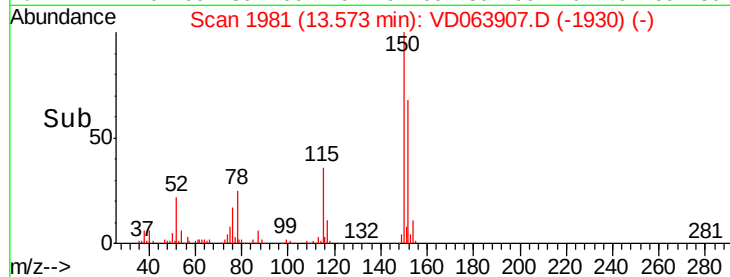
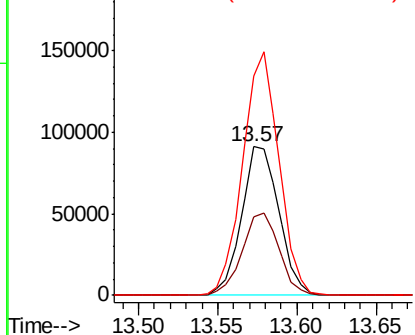
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.0	25.9	77.7
150	158.4	0.0	344.2



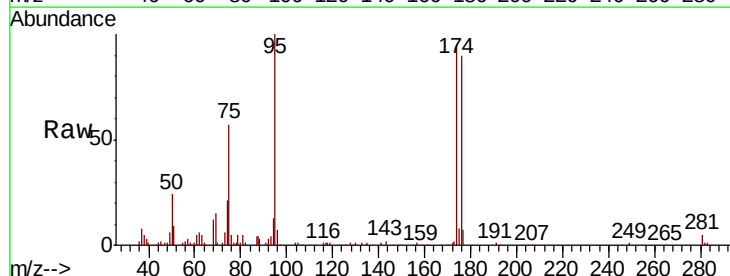
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



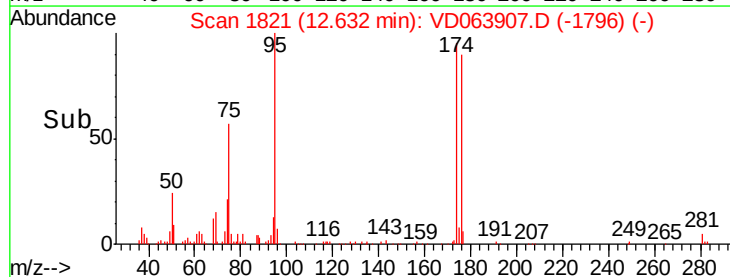
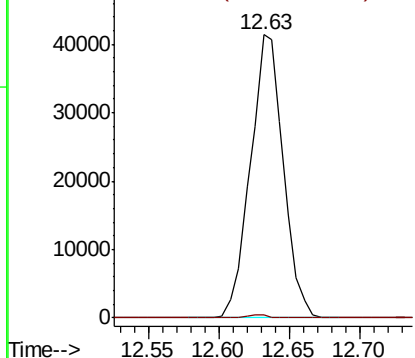
#76

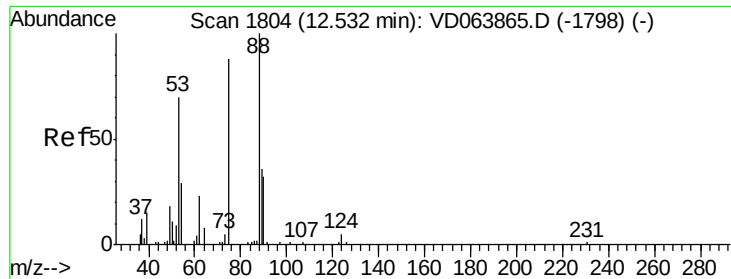
1,2,3-Trichloropropane
Concen: 67.717 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD063907.D
Acq: 10 Oct 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 119.831 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063907.D

Acq: 10 Oct 2019 13:48

Instrument :

MSVOA_D

ClientSampled :

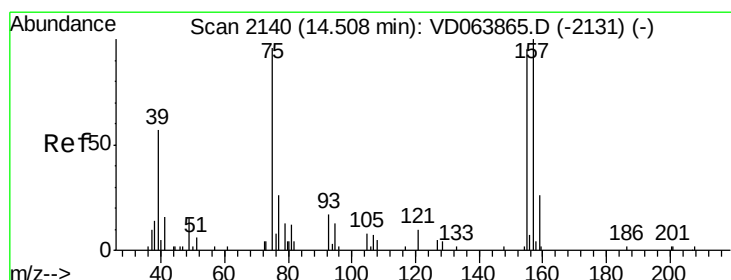
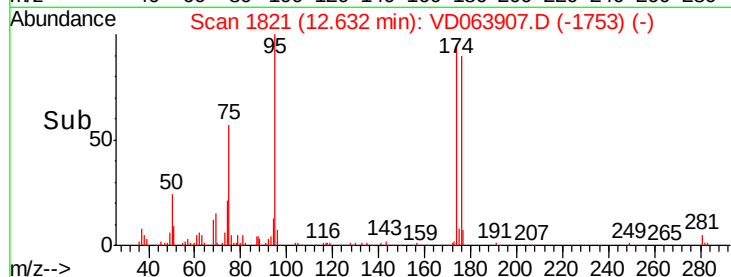
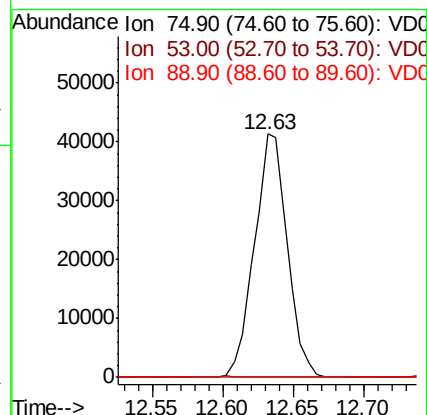
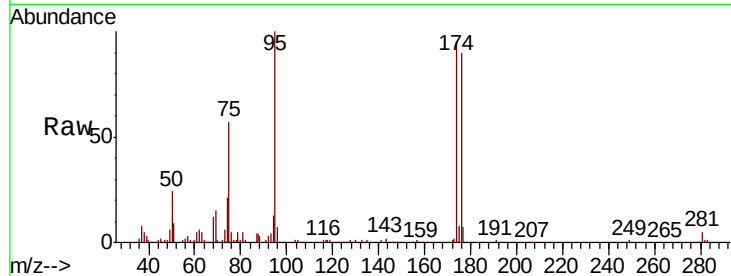
Tot Ion: 75 Resp: 67847

Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.0 38.2 57.4#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.46 min Scan# 2132

Delta R.T. -0.05 min

Lab File: VD063907.D

Acq: 10 Oct 2019 13:48

Tgt Ion: 75 Resp: 54

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

