

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063911.D
 Acq On : 10 Oct 2019 15:41
 Operator : VA/SY
 Sample : K5300-07
 Misc : 5.03G/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:39:28 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	174857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	310133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	291695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	144215	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	86958	51.08	ug/l	0.00
Spiked Amount						
			Recovery	=	102.16%	
35) Dibromofluoromethane	7.92	113	92623	48.87	ug/l	0.00
Spiked Amount						
			Recovery	=	97.74%	
50) Toluene-d8	10.34	98	404074	52.53	ug/l	0.00
Spiked Amount						
			Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.63	95	121959	45.62	ug/l	0.00
Spiked Amount						
			Recovery	=	91.24%	

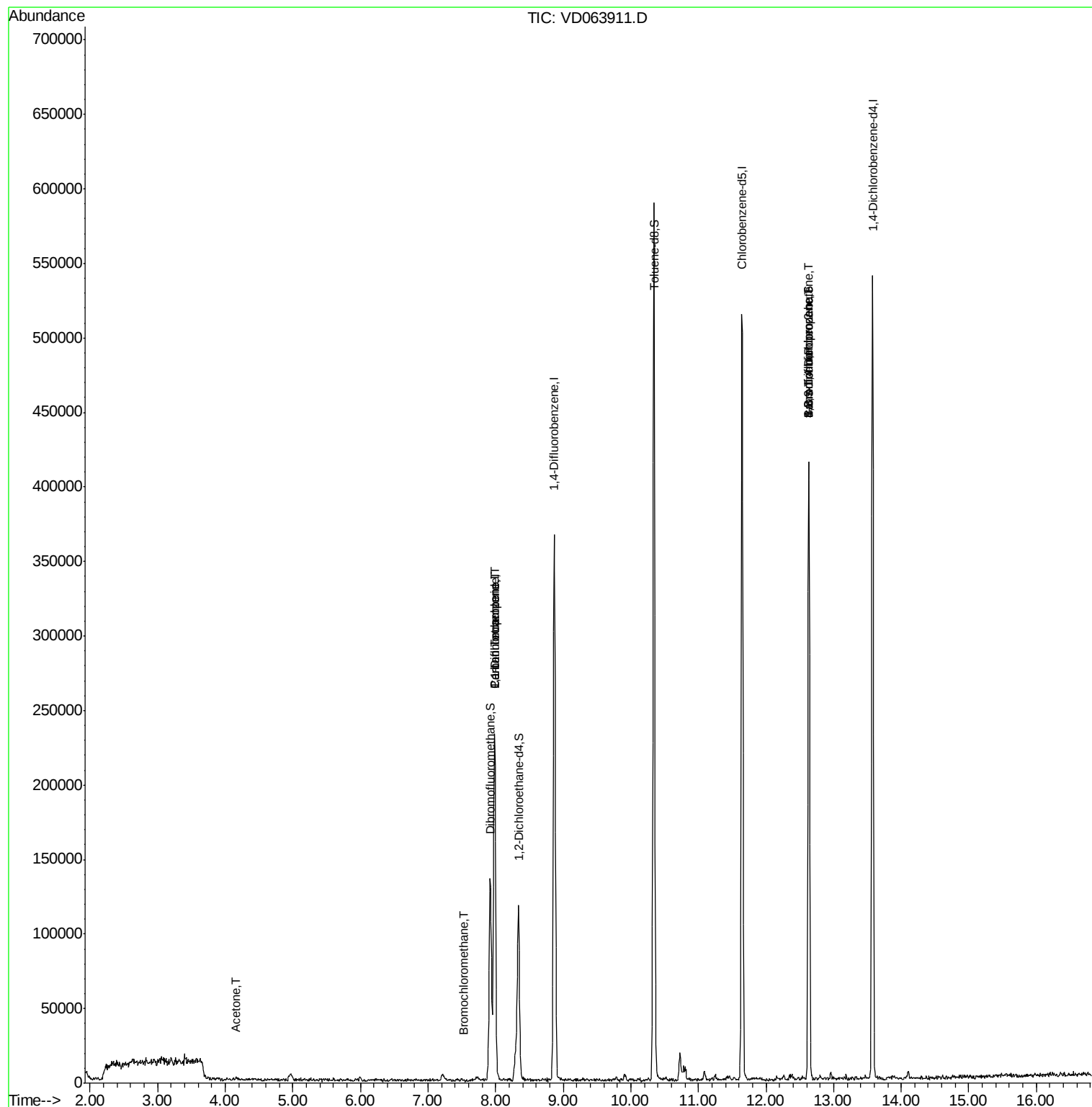
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	495	Below Cal	#	37
11) Tert butyl alcohol	5.27	59	177	Below Cal	#	71
16) Acetone	4.16	43	881	1.988	ug/l #	42
20) Methylene Chloride	4.97	84	3051	Below Cal	#	67
28) Bromochloromethane	7.53	49	79	1.929	ug/l #	10
31) Cyclohexane	7.98	56	3978	Below Cal	#	41
36) 1,1-Dichloropropene	7.98	75	14473	5.104	ug/l #	47
37) Ethyl Acetate	7.30	43	55	Below Cal	#	1
38) Carbon Tetrachloride	7.98	117	17216	6.008	ug/l #	20
71) Bromoform	12.63	173	1683	1.453	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	65130	67.429	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	65130	119.321	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.46	75	57	Below Cal	#	1

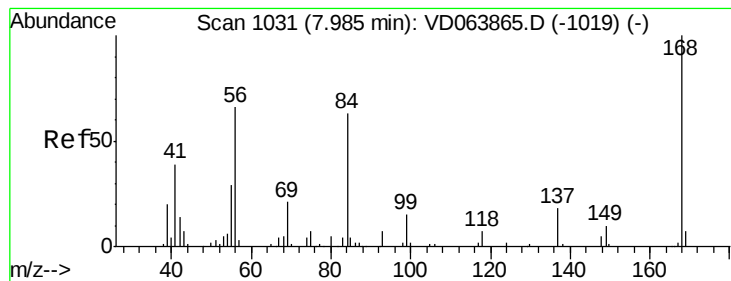
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101019\
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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: VD063911.D

Acq: 10 Oct 2019 15:41

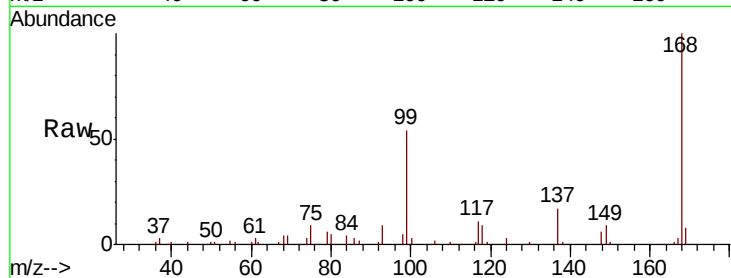
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 174857

Ion Ratio Lower Upper

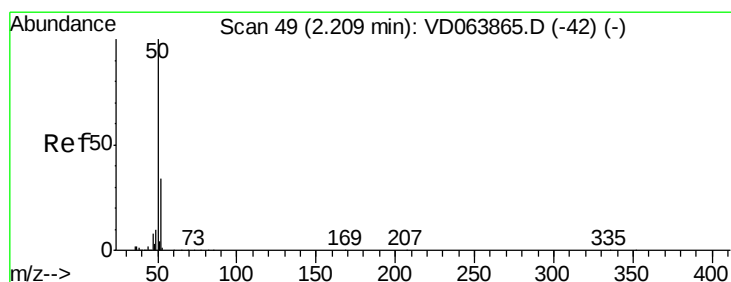
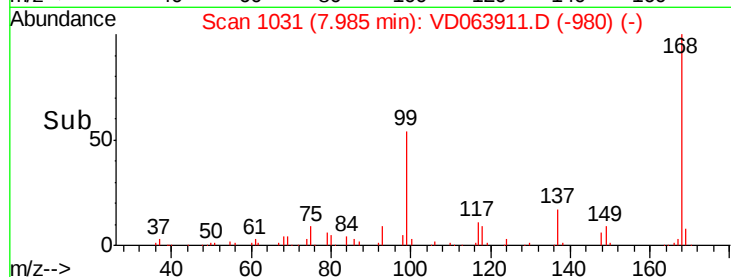
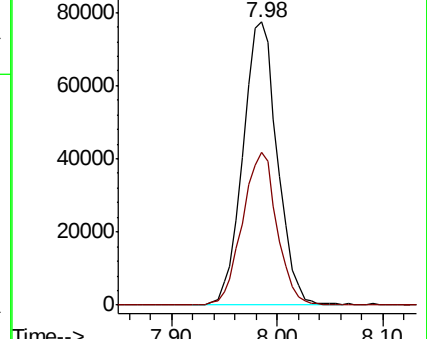
168 100

99 53.9 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# 49

Delta R.T. 0.00 min

Lab File: VD063911.D

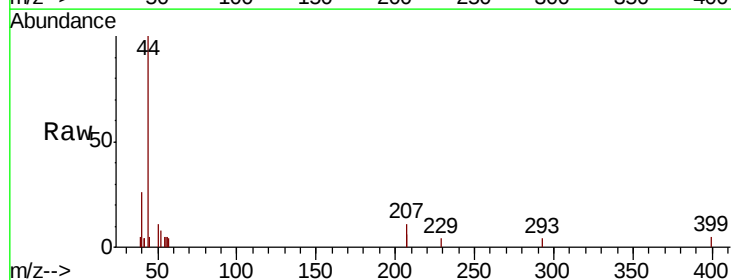
Acq: 10 Oct 2019 15:41

Tgt Ion: 50 Resp: 495

Ion Ratio Lower Upper

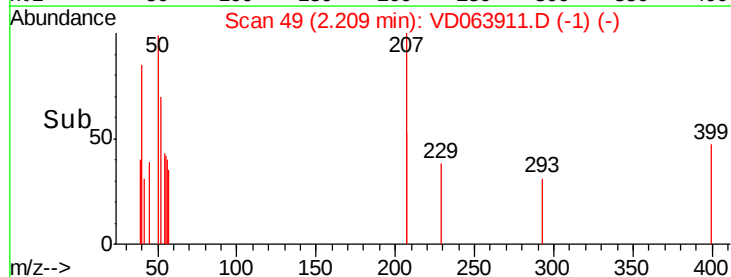
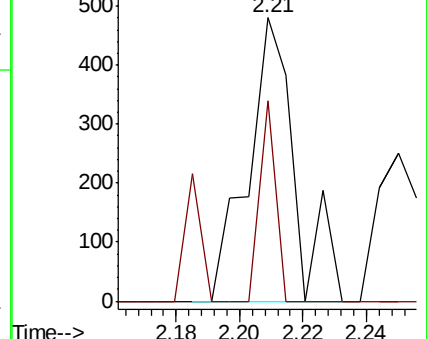
50 100

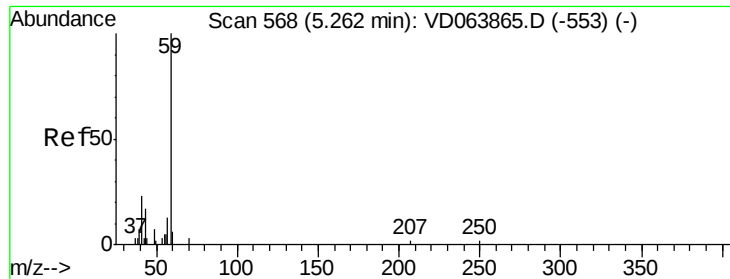
52 70.6 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

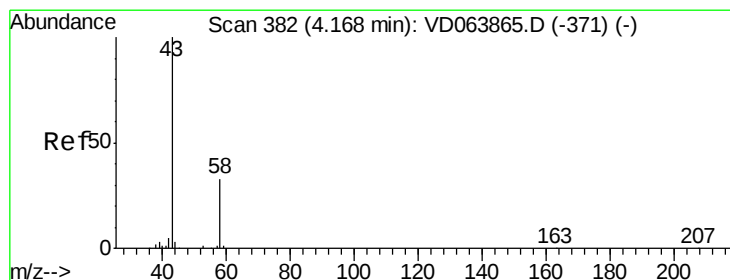
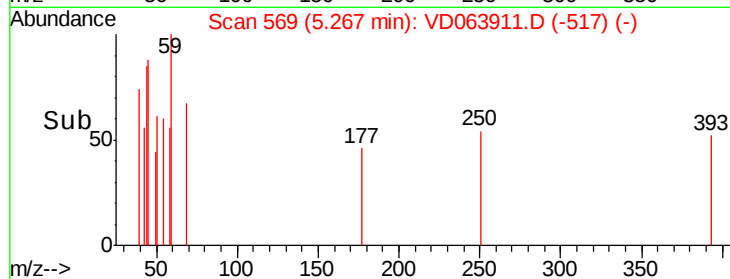
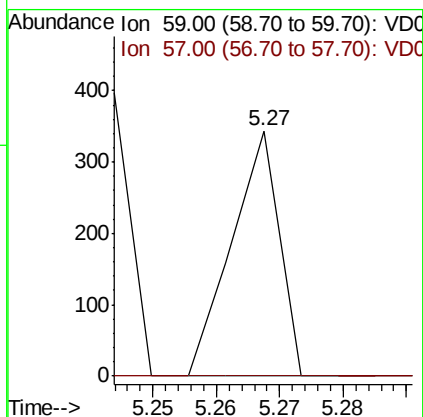
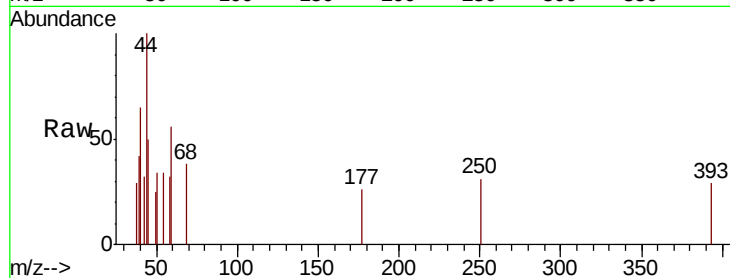




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.27 min Scan# 569
Delta R.T. 0.01 min
Lab File: VD063911.D
Acq: 10 Oct 2019 15:41

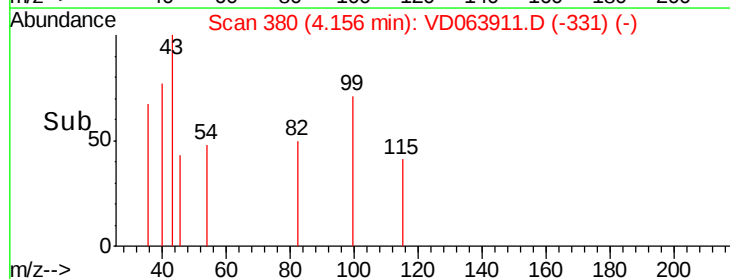
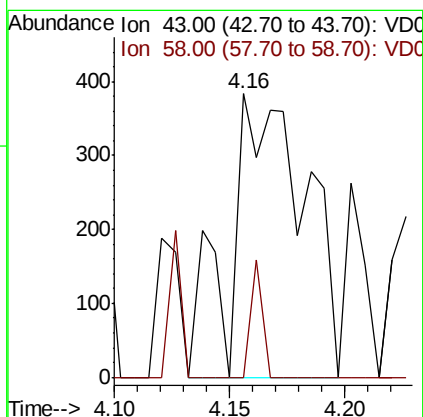
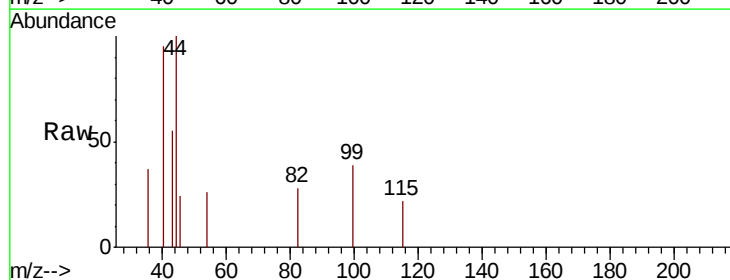
Instrument :
MSVOA_D
ClientSampleID :

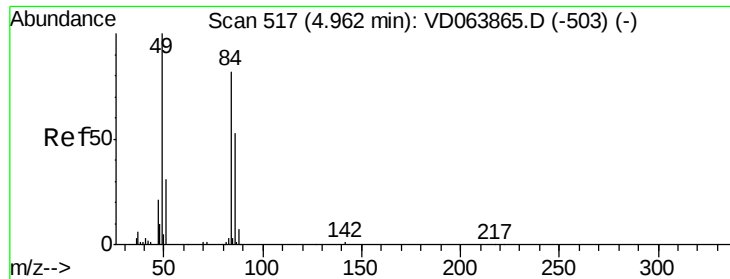
Tot Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#16
Acetone
Concen: 1.988 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD063911.D
Acq: 10 Oct 2019 15:41

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#

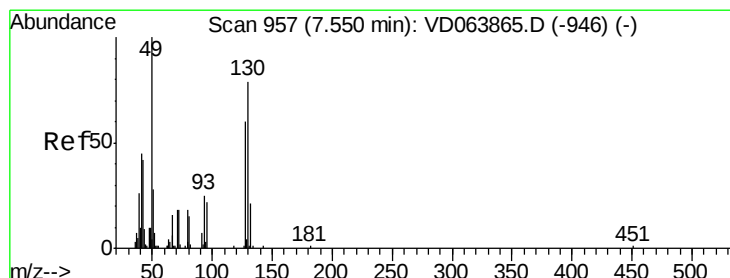
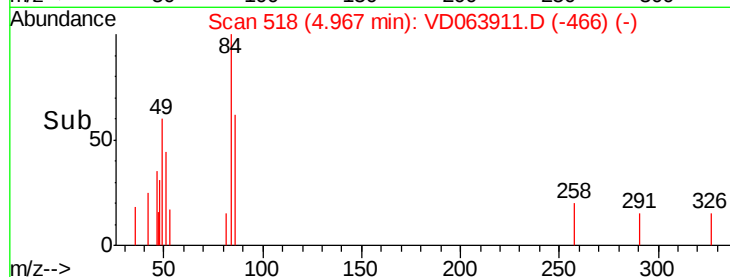
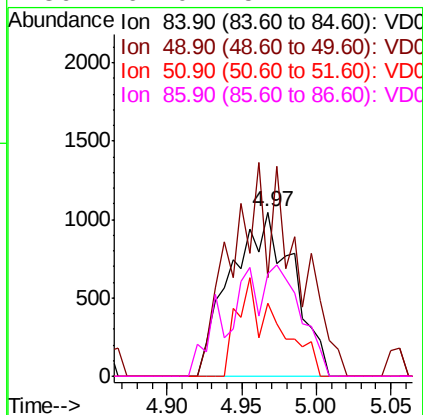
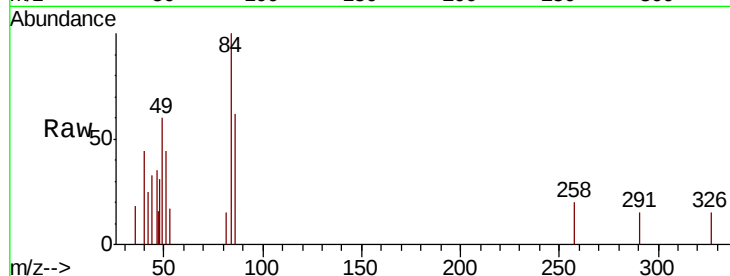




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063911.D
Acq: 10 Oct 2019 15:41

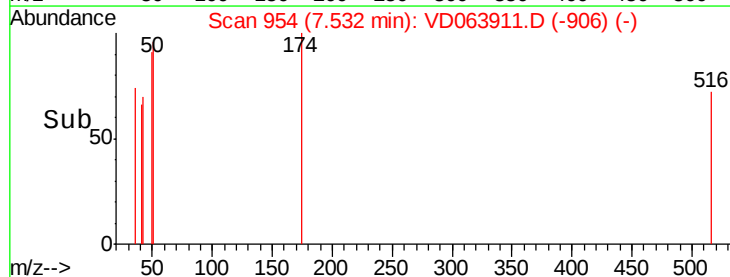
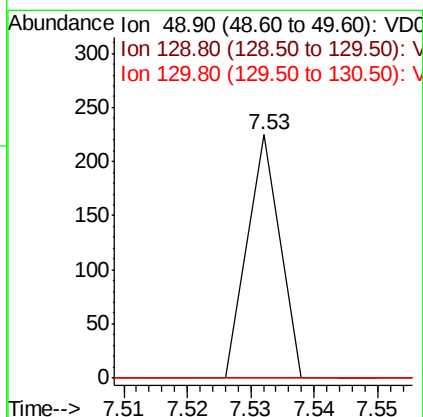
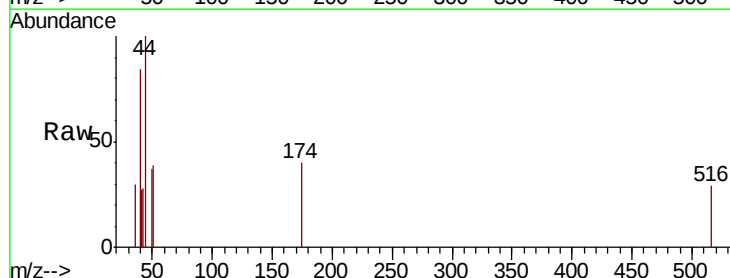
Instrument :
MSVOA_D
ClientSampleId :

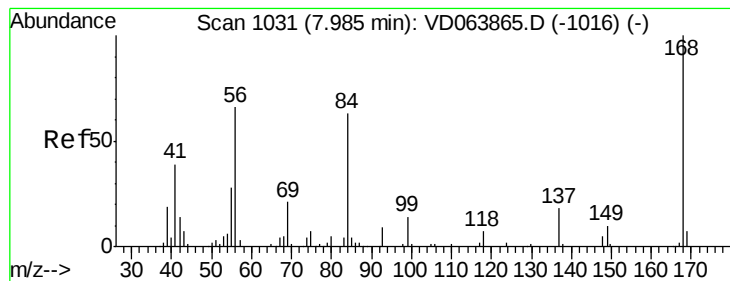
Tot Ion: 84 Resp: 3051
Ion Ratio Lower Upper
84 100
49 60.1 97.3 145.9#
51 44.4 30.1 45.1
86 62.0 51.4 77.2



#28
Bromochloromethane
Concen: 1.929 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.02 min
Lab File: VD063911.D
Acq: 10 Oct 2019 15:41

Tgt Ion: 49 Resp: 79
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

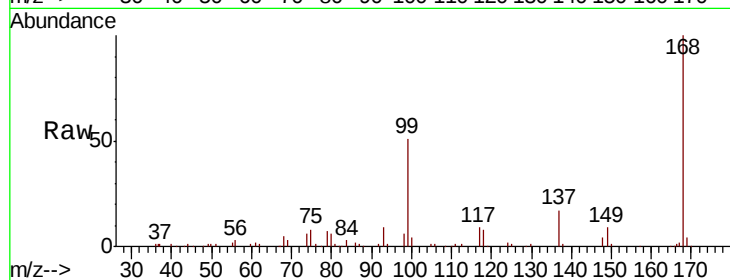
Lab File: VD063911.D

Acq: 10 Oct 2019 15:41

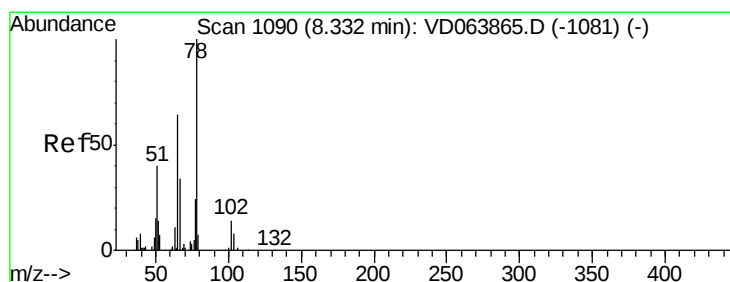
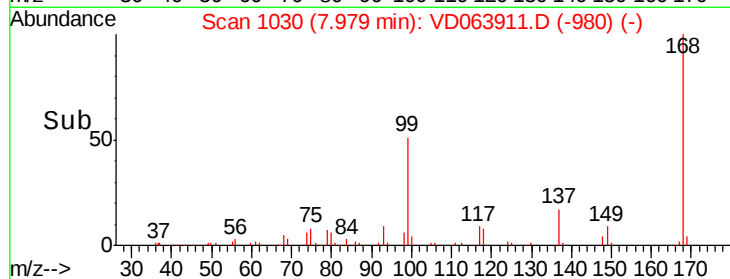
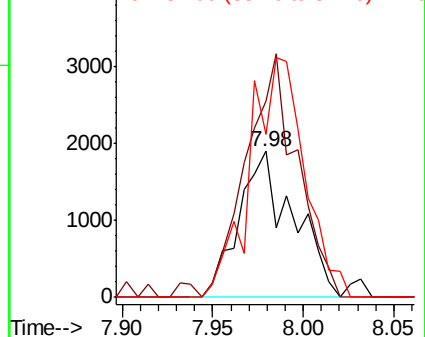
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 3978

Ion	Ratio	Lower	Upper
56	100		
69	134.7	25.0	37.4#
84	112.1	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



#33

1,2-Dichloroethane-d4

Concen: 51.081 ug/l

RT: 8.34 min Scan# 1091

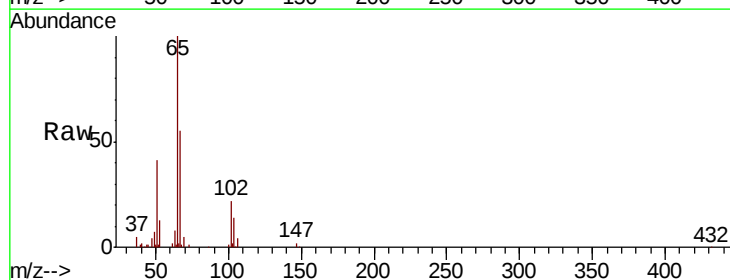
Delta R.T. 0.01 min

Lab File: VD063911.D

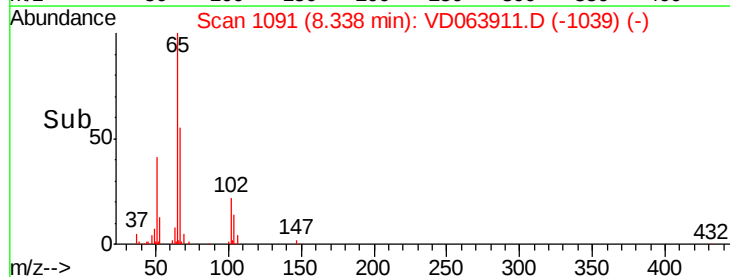
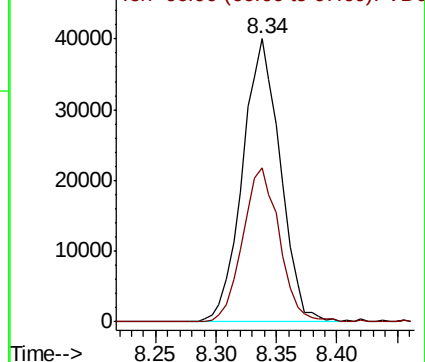
Acq: 10 Oct 2019 15:41

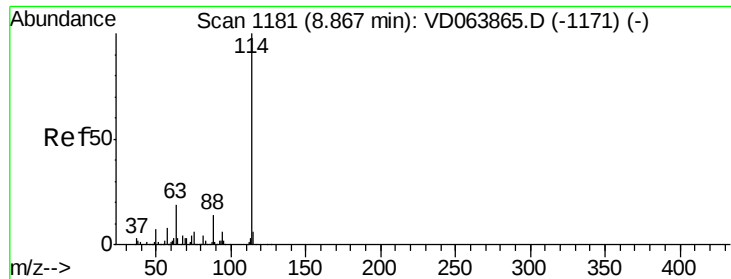
Tgt Ion: 65 Resp: 86958

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.4



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

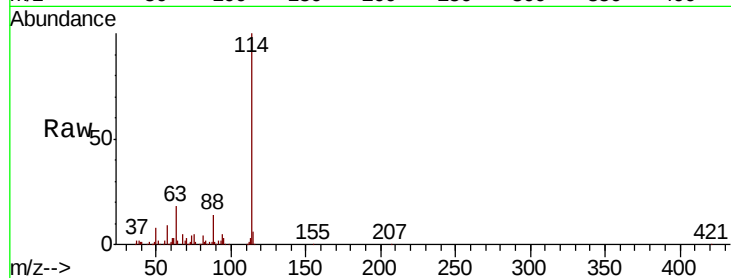




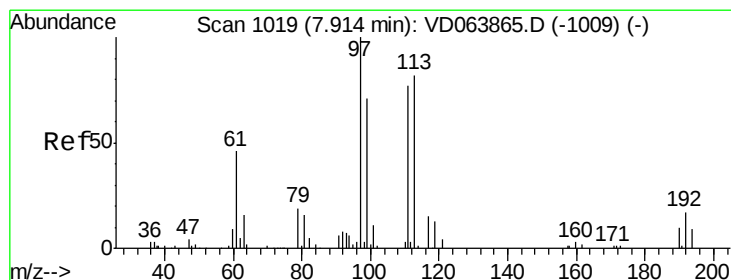
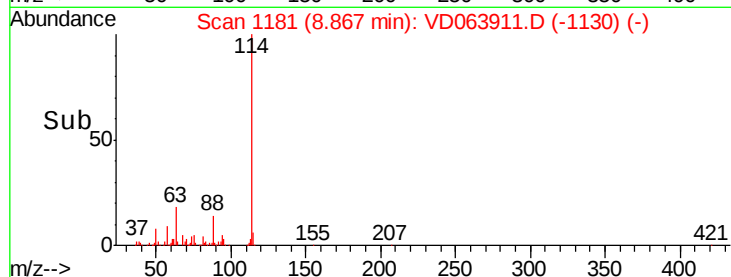
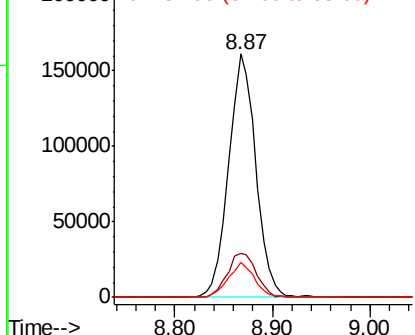
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063911.D
 Acq: 10 Oct 2019 15:41

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	14.3	0.0	27.4

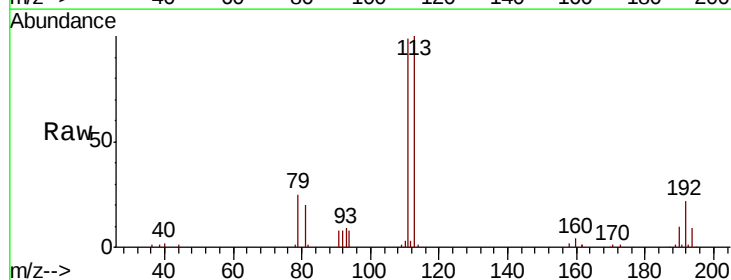


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

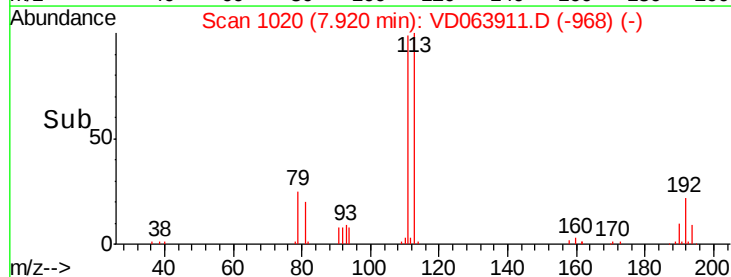
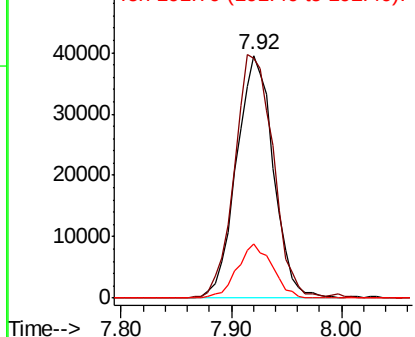


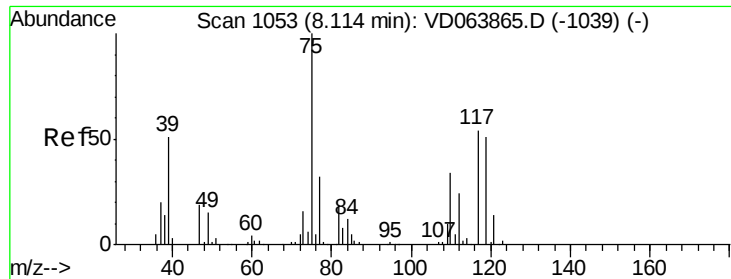
#35
 Dibromofluoromethane
 Concen: 48.869 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063911.D
 Acq: 10 Oct 2019 15:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.6	123.8
192	21.4	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

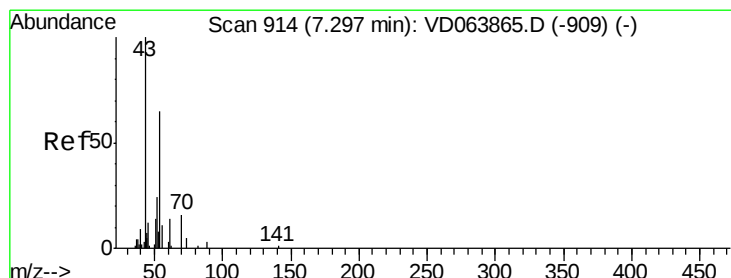
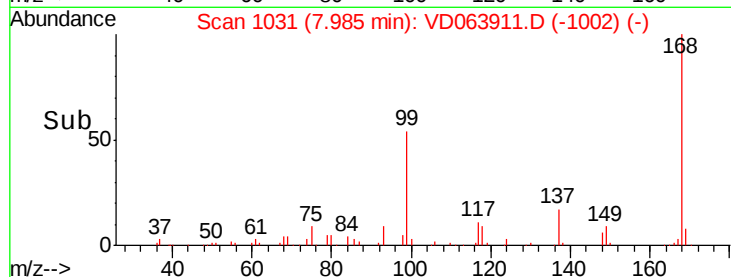
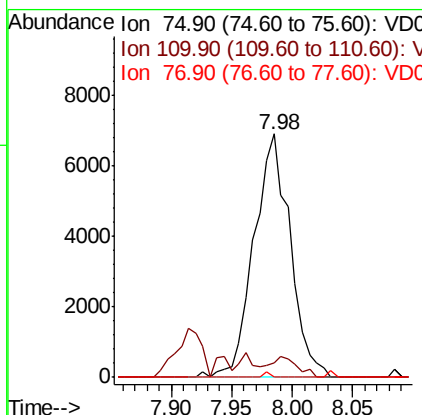
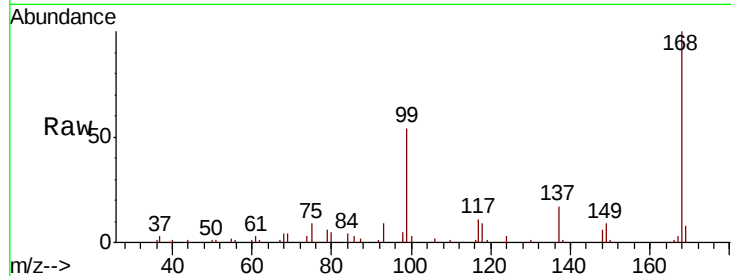




#36
 1,1-Dichloropropene
 Concen: 5.104 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063911.D
 Acq: 10 Oct 2019 15:41

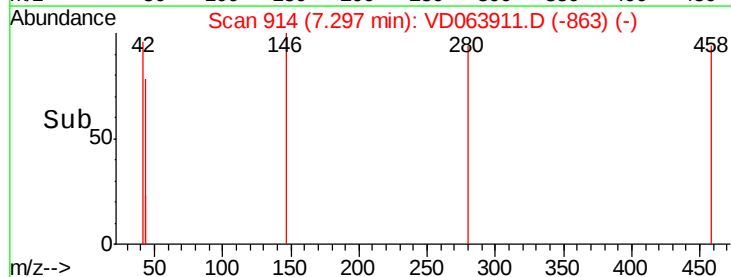
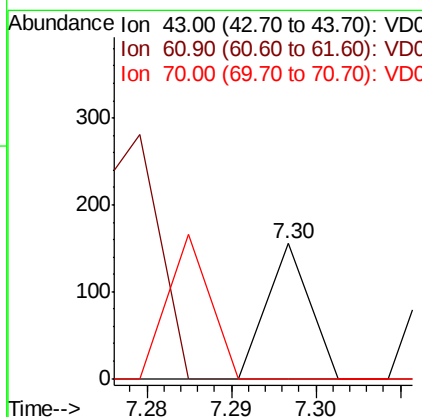
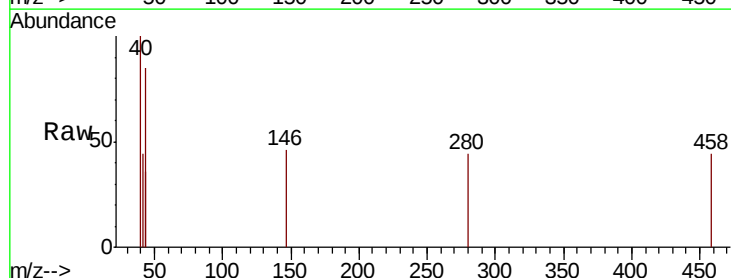
Instrument :
 MSVOA_D
 ClientSampled :

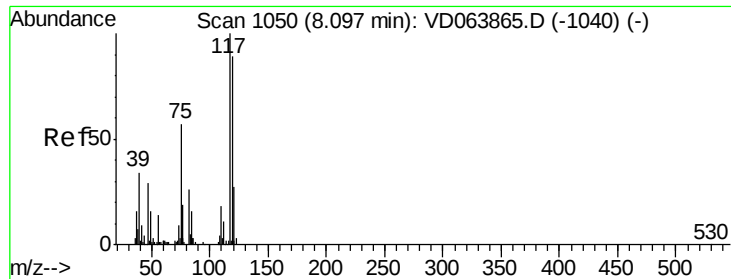
Tot Ion: 75 Resp: 14473
 Ion Ratio Lower Upper
 75 100
 110 6.5 17.4 52.3#
 77 0.4 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD063911.D
 Acq: 10 Oct 2019 15:41

Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 61 421.8 11.5 17.3#
 70 107.3 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 6.008 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD063911.D

Acq: 10 Oct 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

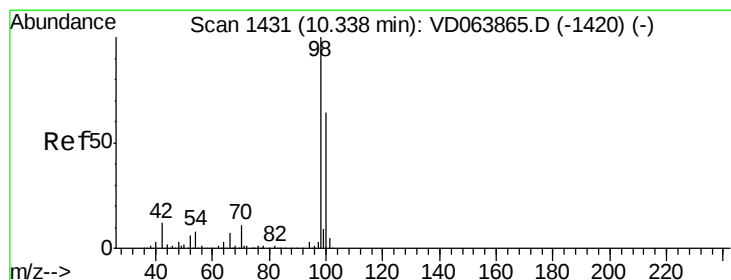
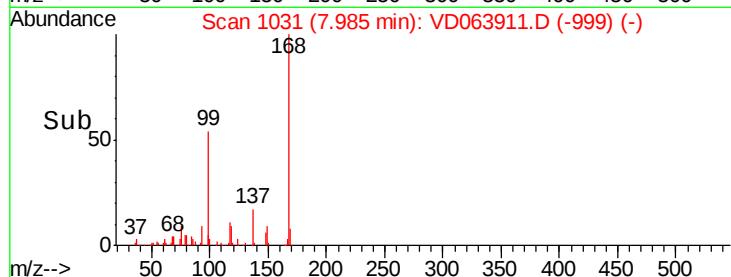
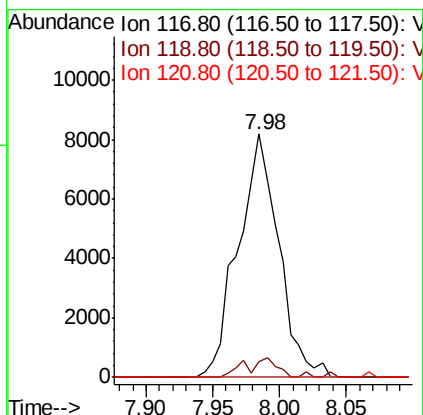
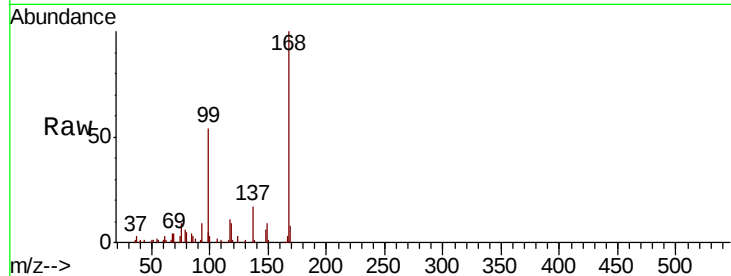
Tot Ion:117 Resp: 17216

Ion Ratio Lower Upper

117 100

119 6.4 70.8 106.2#

121 0.0 21.4 32.0#



#50

Toluene-d8

Concen: 52.526 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063911.D

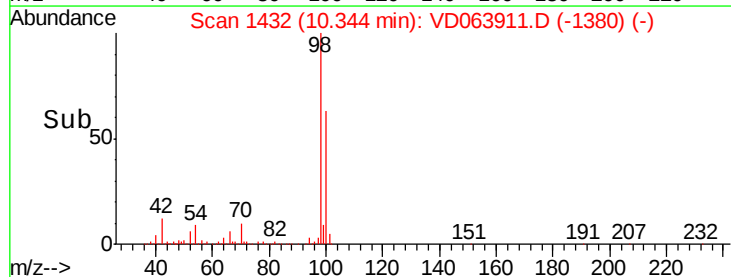
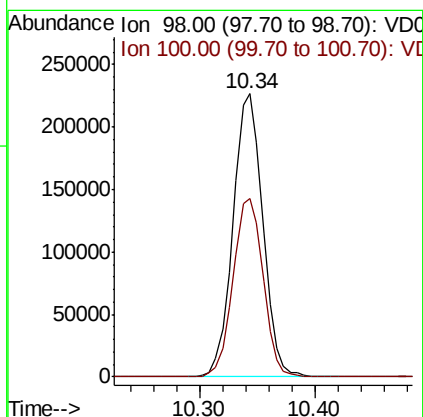
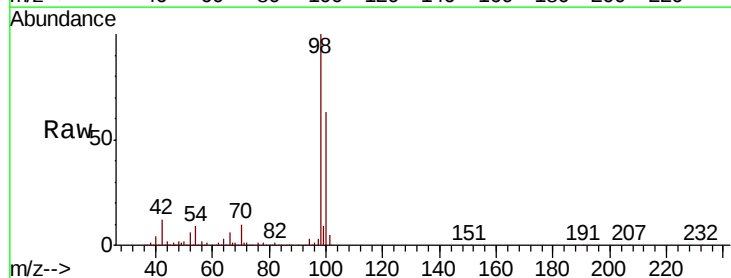
Acq: 10 Oct 2019 15:41

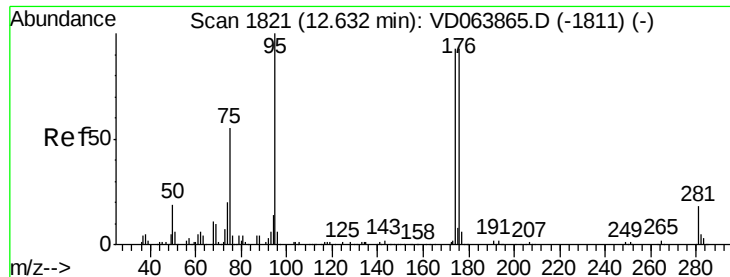
Tgt Ion: 98 Resp: 404074

Ion Ratio Lower Upper

98 100

100 63.7 52.1 78.1

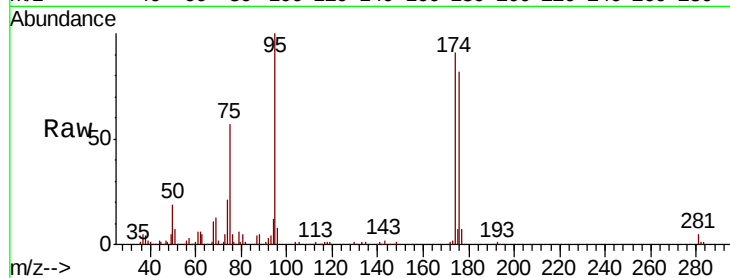




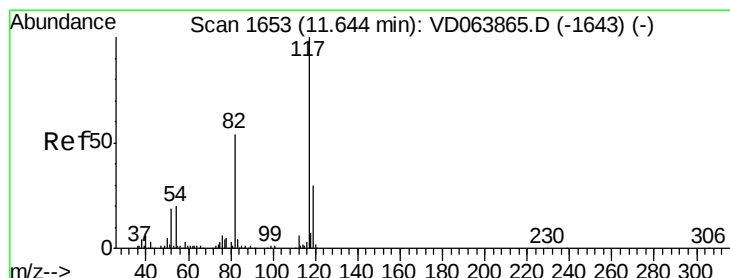
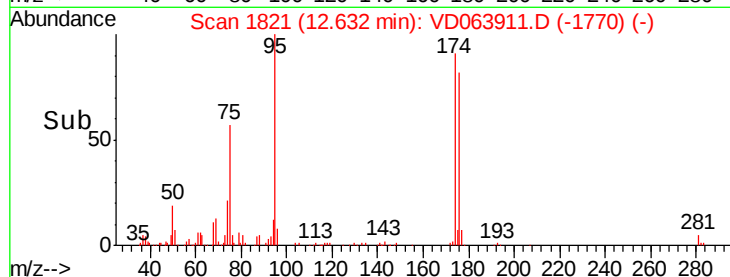
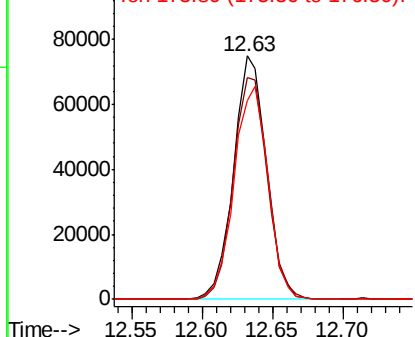
#62
4-Bromofluorobenzene
Concen: 45.622 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063911.D
Acq: 10 Oct 2019 15:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	186.4
176	90.2	0.0	184.2

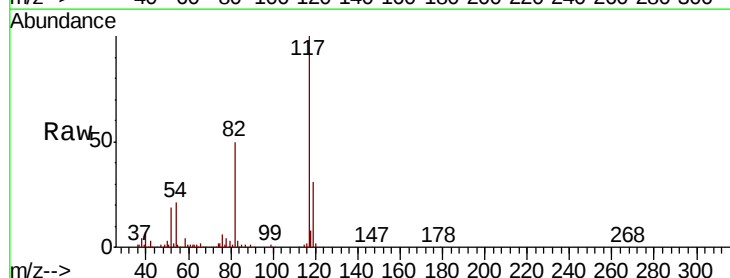


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

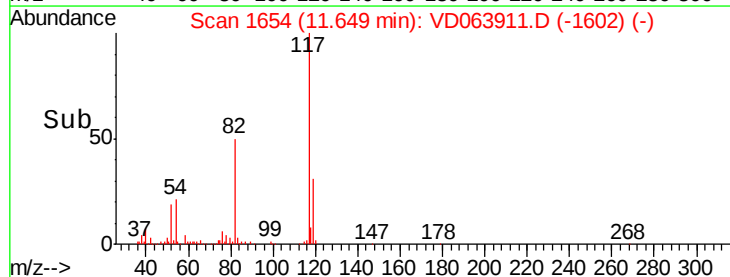
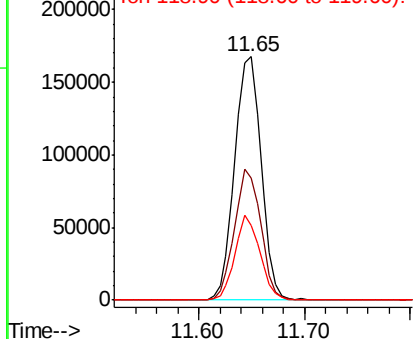


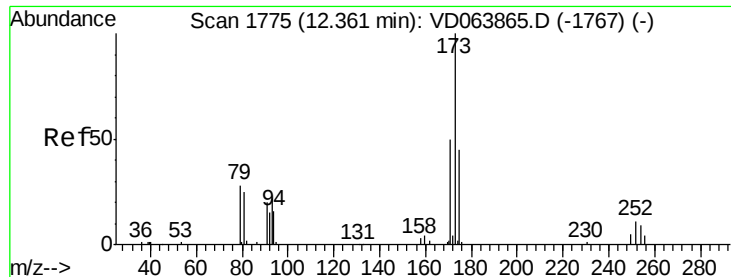
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063911.D
Acq: 10 Oct 2019 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.8	64.2
119	30.7	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





#71

Bromoform

Concen: 1.453 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD063911.D

Acq: 10 Oct 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

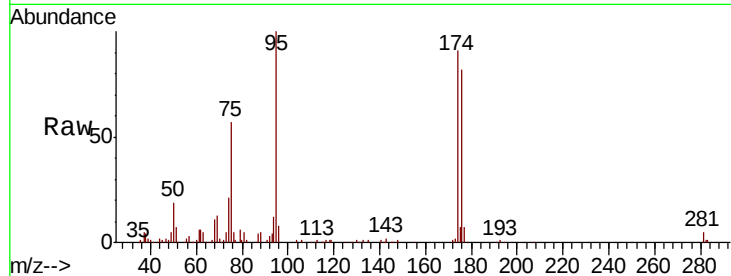
Tot Ion:173 Resp: 1683

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

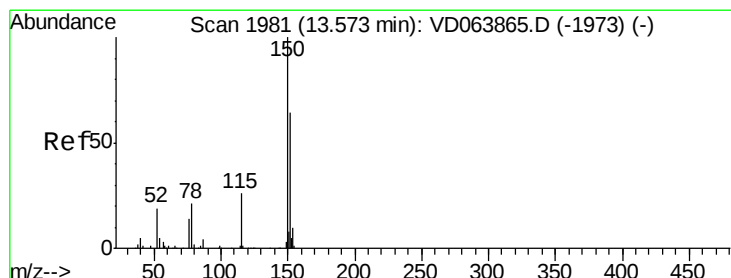
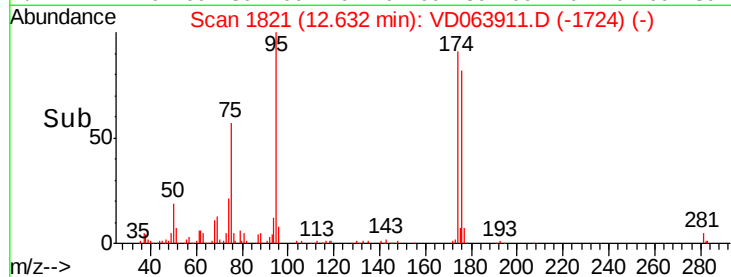
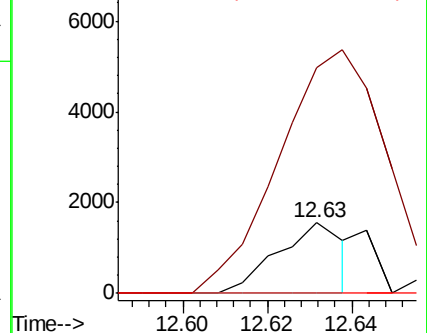
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD063911.D

Acq: 10 Oct 2019 15:41

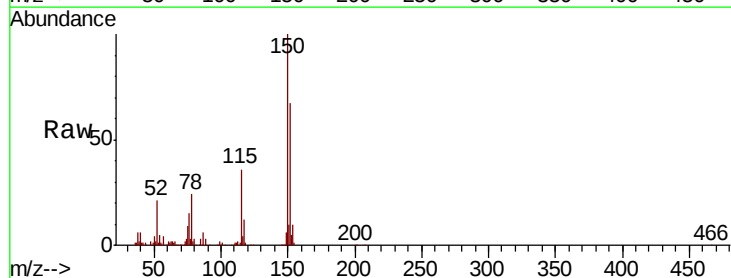
Tgt Ion:152 Resp: 144215

Ion Ratio Lower Upper

152 100

115 54.7 25.9 77.7

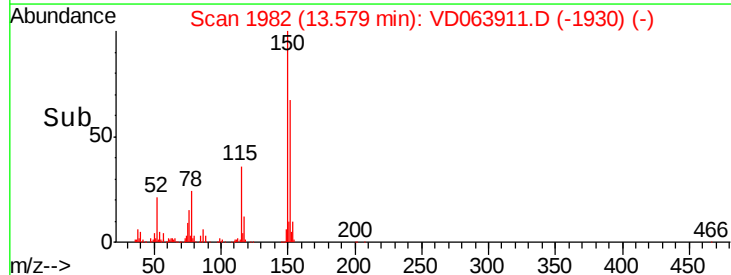
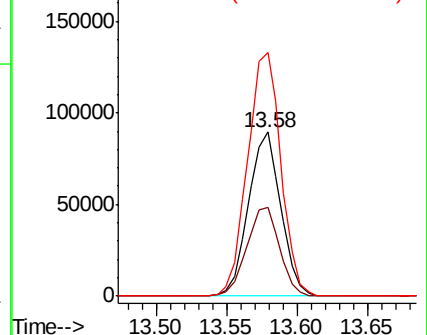
150 153.2 0.0 344.2

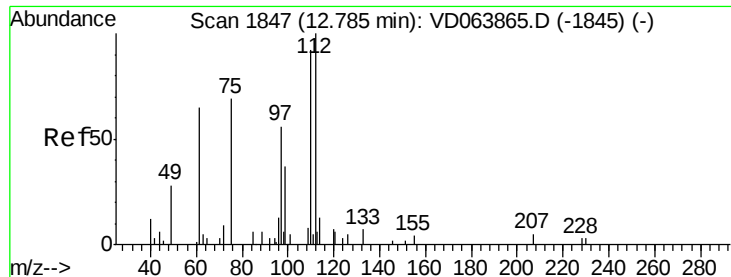


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 67.429 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063911.D

Acq: 10 Oct 2019 15:41

Instrument :

MSVOA_D

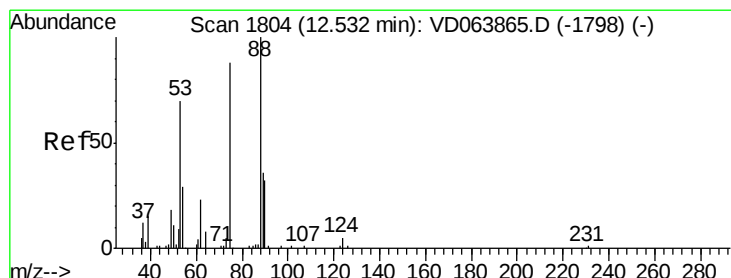
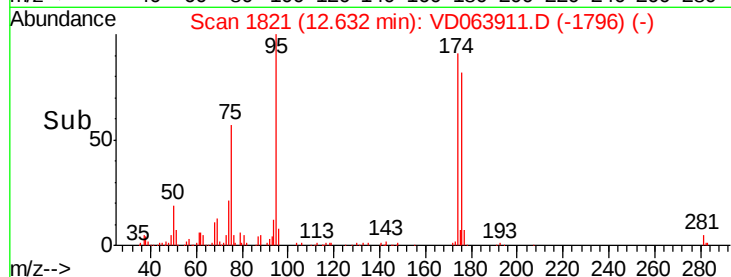
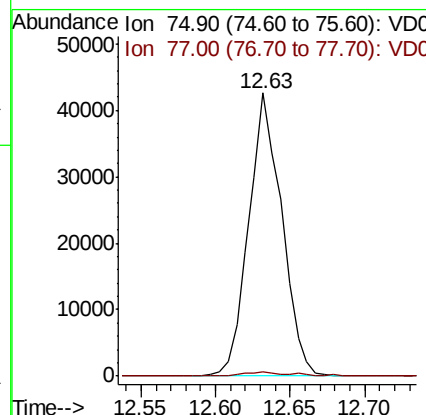
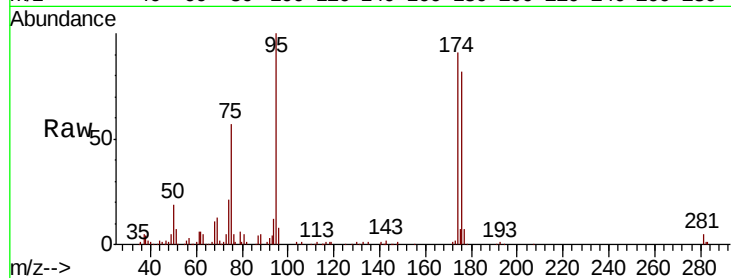
ClientSampleId :

Tot Ion: 75 Resp: 65130

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 119.321 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063911.D

Acq: 10 Oct 2019 15:41

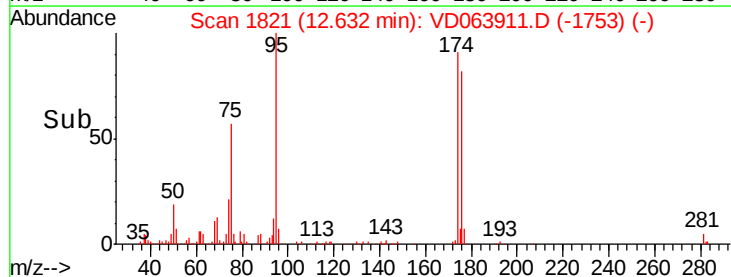
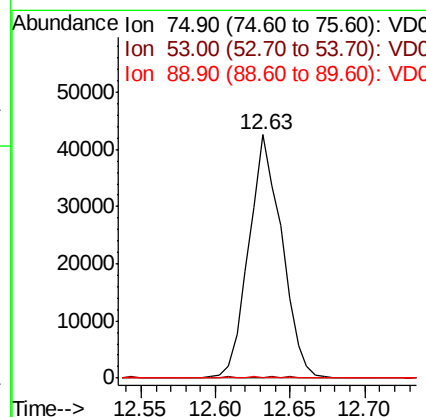
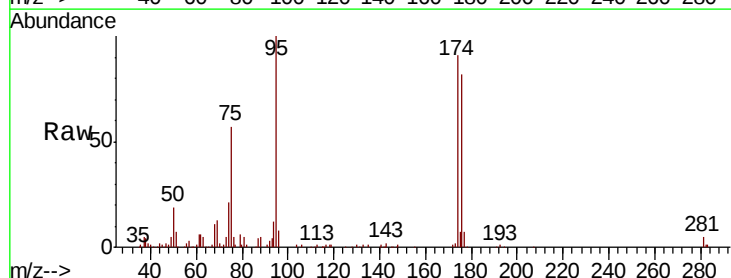
Tgt Ion: 75 Resp: 65130

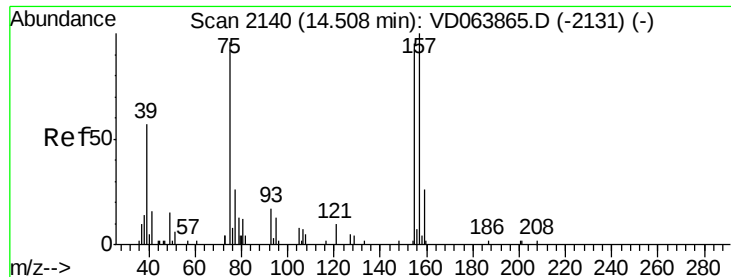
Ion Ratio Lower Upper

75 100

53 0.2 75.0 112.6#

89 0.1 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: VD063911.D

Acq: 10 Oct 2019 15:41

Instrument :

MSVOA_D

ClientSampleId :

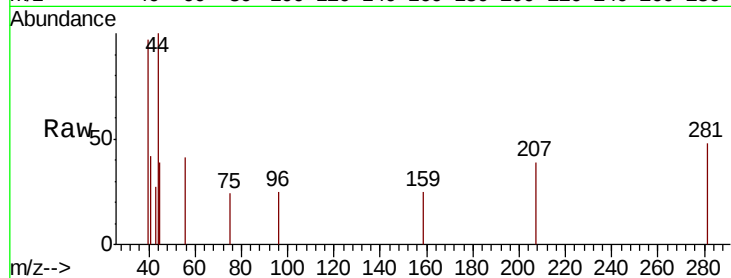
Tot Ion: 75 Resp: 57

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

