

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063936.D
 Acq On : 11 Oct 2019 14:46
 Operator : VA/SY
 Sample : K5325-01
 Misc : 7.37G/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-A

Quant Time: Oct 12 01:36:57 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	146521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	262895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	251645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	108580	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	79720	55.89	ug/l	0.00
Spiked Amount			Recovery	=	111.78%	
35) Dibromofluoromethane	7.92	113	81376	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
50) Toluene-d8	10.34	98	340282	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.64	95	101556	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

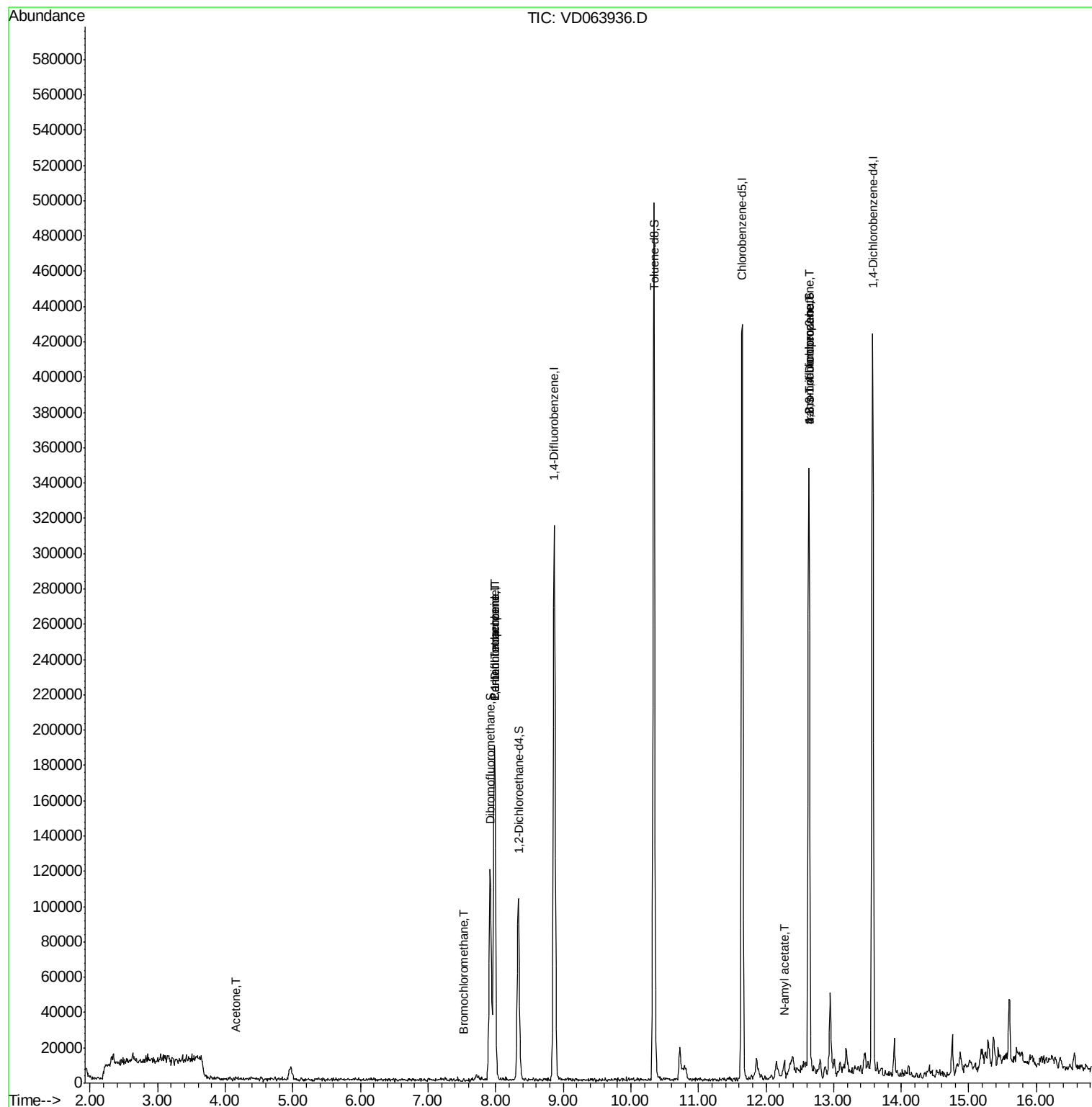
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	630	Below Cal	#	40
11) Tert butyl alcohol	5.33	59	63	Below Cal	#	1
16) Acetone	4.16	43	1260	3.393	ug/l #	42
20) Methylene Chloride	4.95	84	2620	Below Cal	#	69
28) Bromochloromethane	7.53	49	60	1.923	ug/l #	10
31) Cyclohexane	7.98	56	3592	Below Cal	#	54
36) 1,1-Dichloropropene	7.98	75	11143	4.636	ug/l #	50
37) Ethyl Acetate	7.29	43	127	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	14080	5.797	ug/l #	20
74) N-amyl acetate	12.27	43	2365	1.505	ug/l #	61
76) 1,2,3-Trichloropropane	12.63	75	55376	76.146	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	55376	134.747	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.66	75	277	Below Cal	#	1

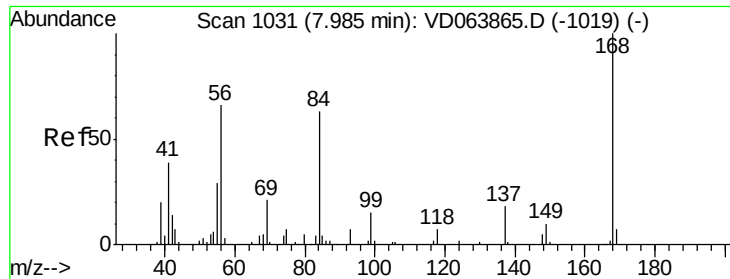
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063936.D

Acq: 11 Oct 2019 14:46

Instrument :

MSVOA_D

ClientSampleId :

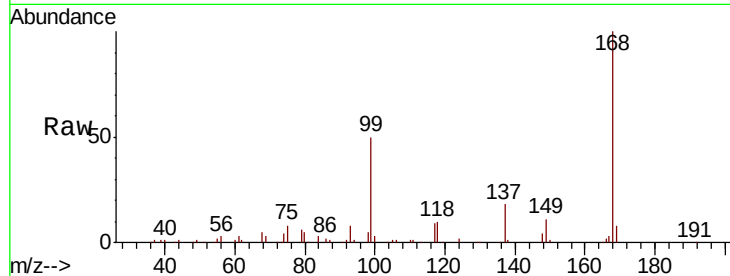
10-10-A

Tot Ion:168 Resp: 146521

Ion Ratio Lower Upper

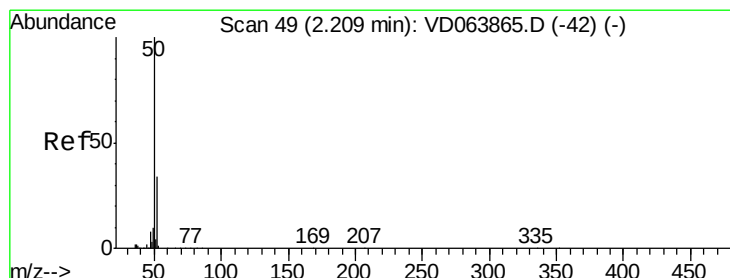
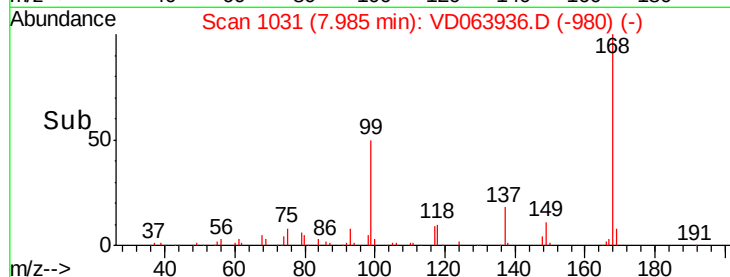
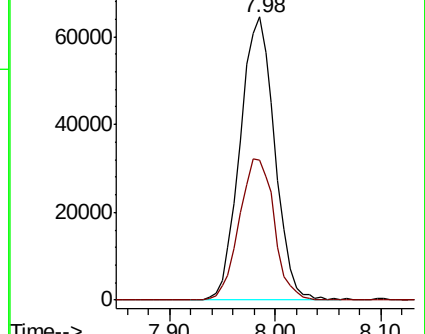
168 100

99 49.3 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: VD063936.D

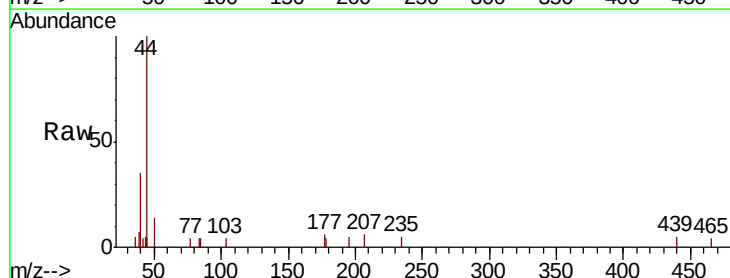
Acq: 11 Oct 2019 14:46

Tgt Ion: 50 Resp: 630

Ion Ratio Lower Upper

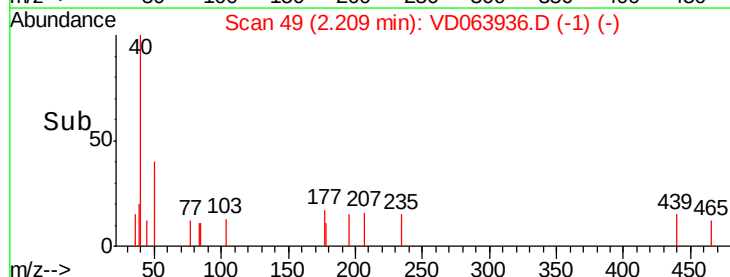
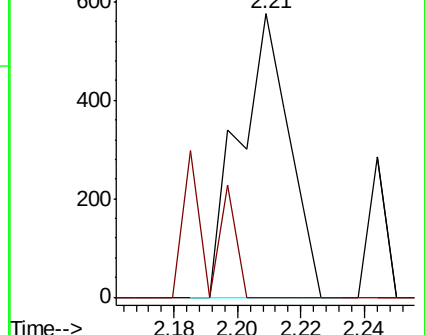
50 100

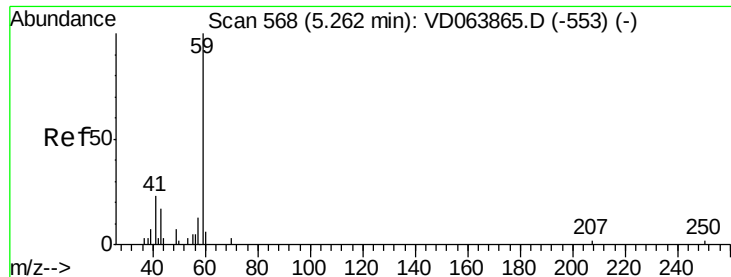
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



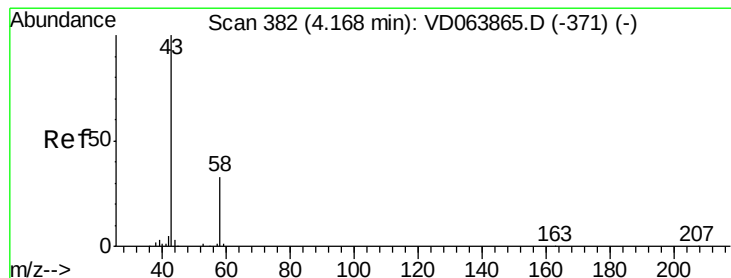
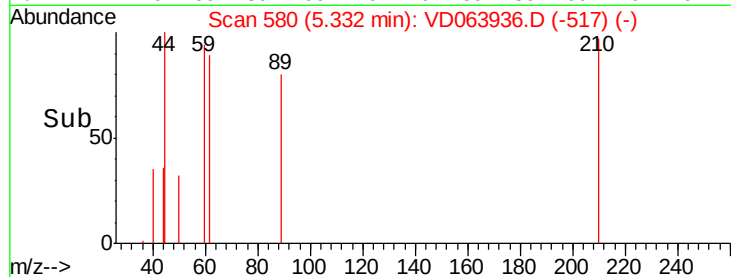
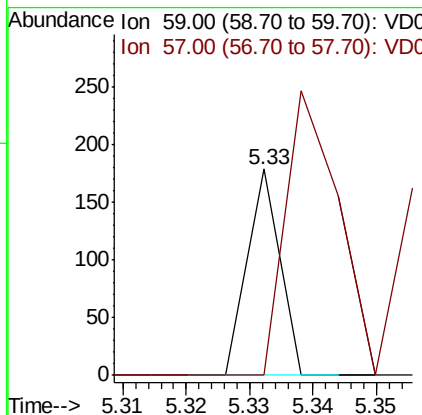
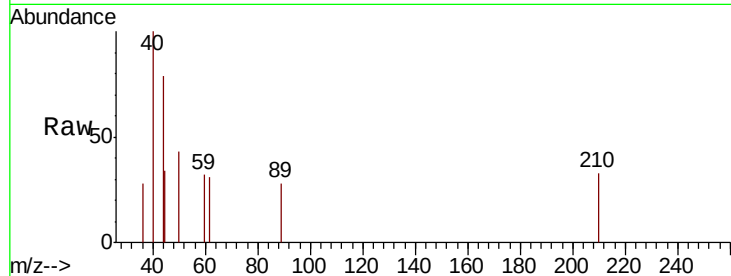


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.33 min Scan# 580
Delta R.T. 0.07 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

Instrument :
MSVOA_D
ClientSampled :
10-10-A

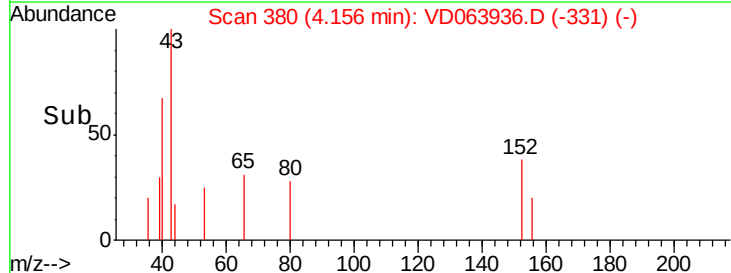
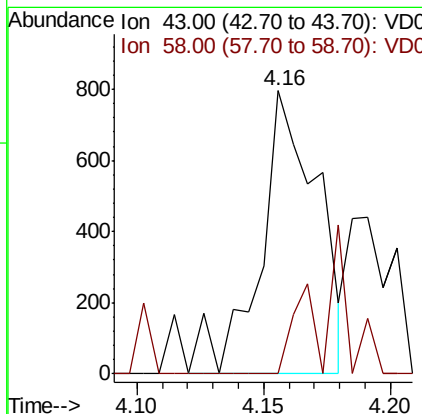
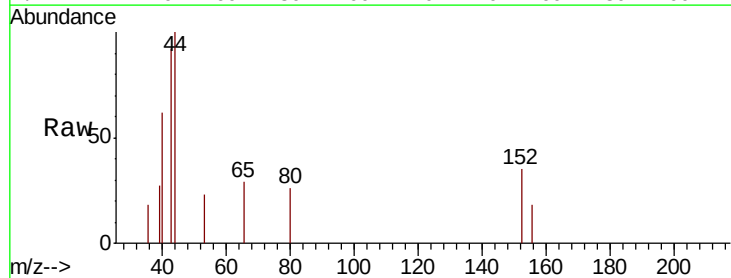
Tot Ion: 59 Resp: 63
Ion Ratio Lower Upper
59 100
57 225.4 8.8 13.2#

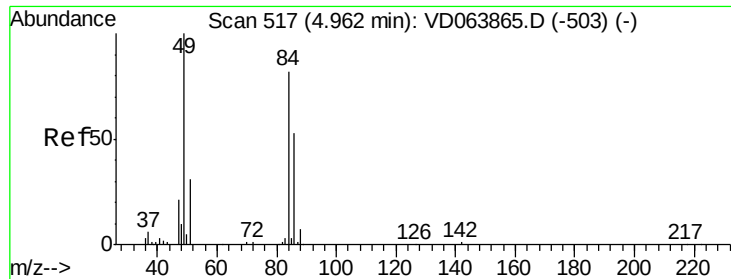


#16

Acetone
Concen: 3.393 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
58 0.0 26.2 39.4#

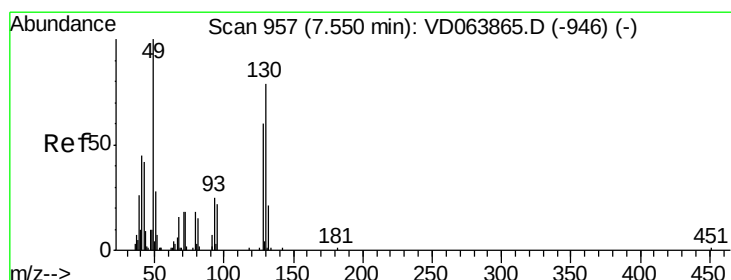
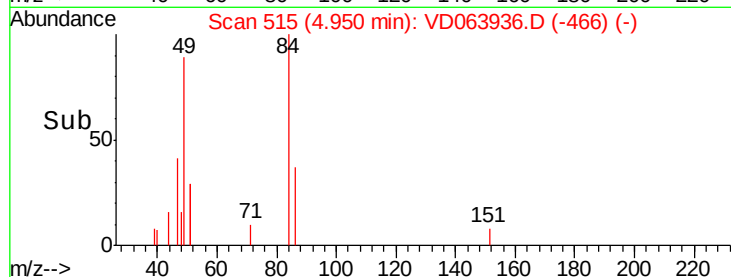
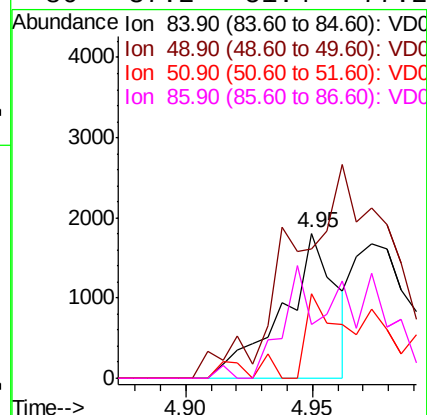
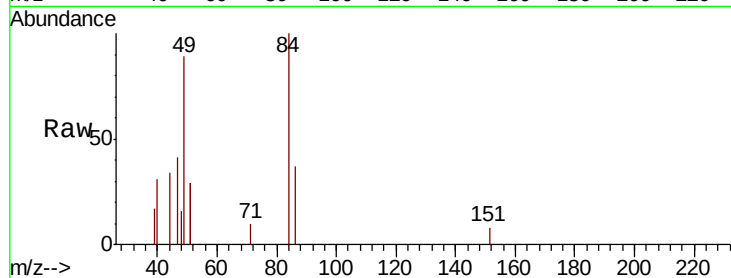




#20
Methylene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

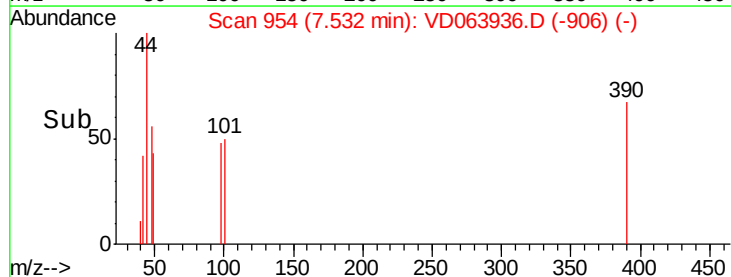
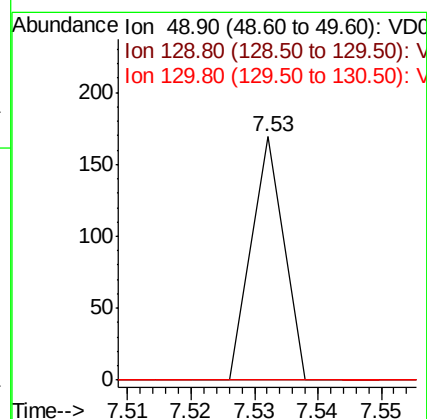
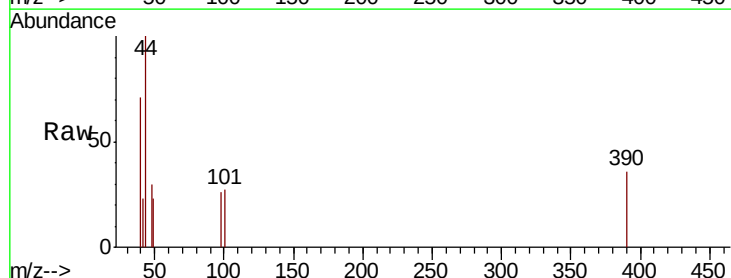
Instrument :
MSVOA_D
ClientSampleID :
10-10-A

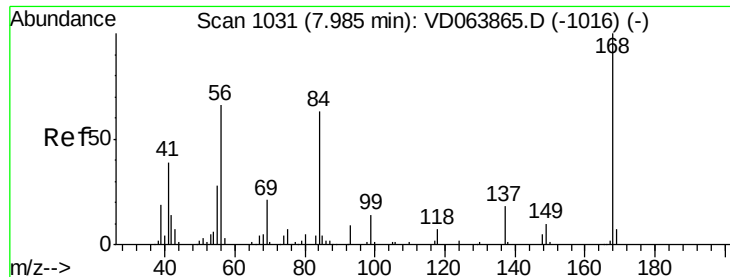
Tot Ion: 84 Resp: 2620
Ion Ratio Lower Upper
84 100
49 89.3 97.3 145.9#
51 58.1 30.1 45.1#
86 37.2 51.4 77.2#



#28
Bromochloromethane
Concen: 1.923 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.02 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

Tgt Ion: 49 Resp: 60
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

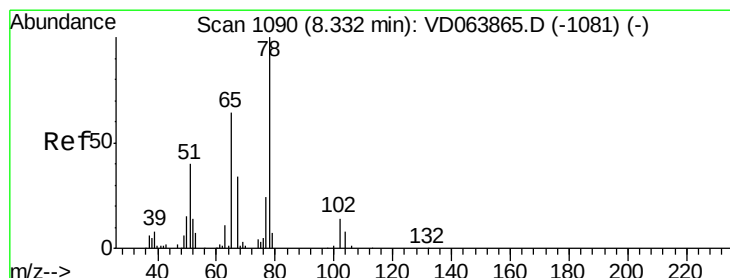
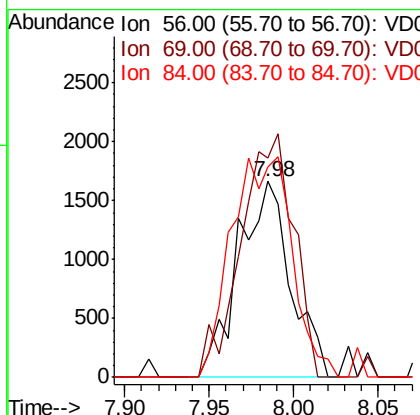
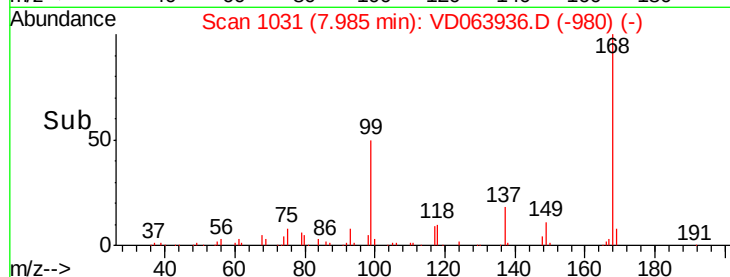
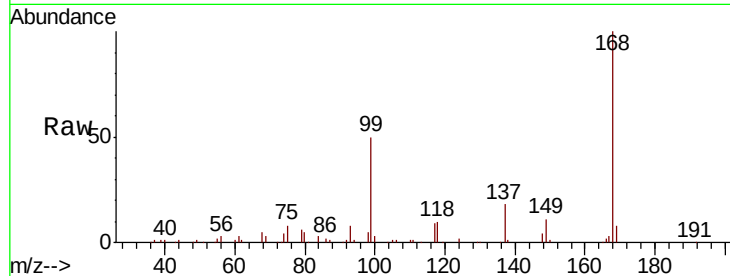




#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

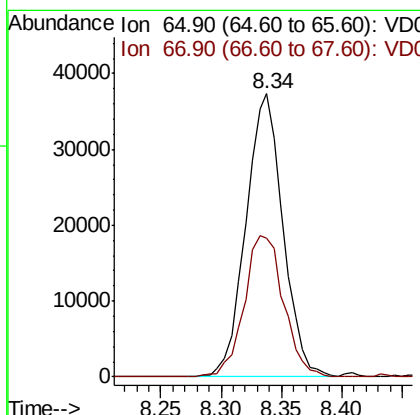
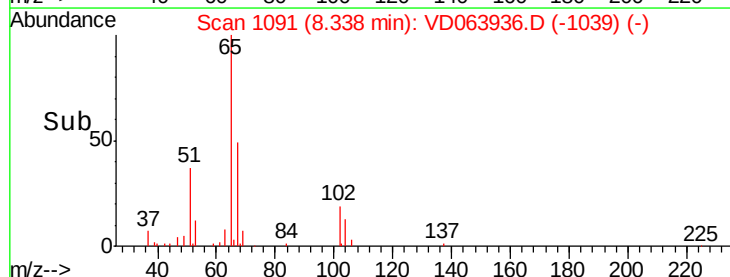
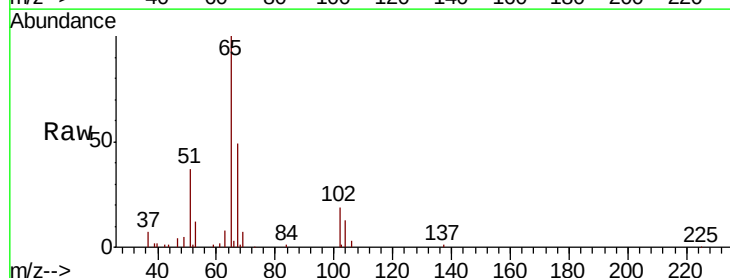
Instrument :
MSVOA_D
ClientSampleId :
10-10-A

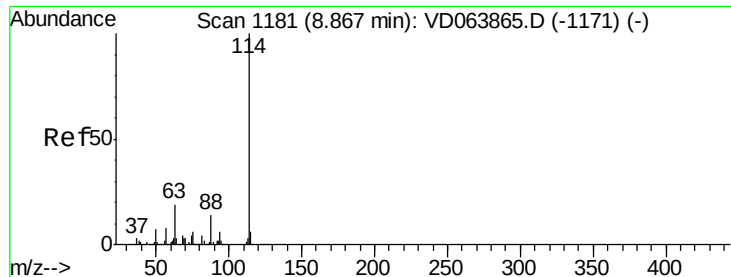
Tot Ion: 56 Resp: 3592
Ion Ratio Lower Upper
56 100
69 111.9 25.0 37.4#
84 107.8 76.3 114.5



#33
1,2-Dichloroethane-d4
Concen: 55.885 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

Tgt Ion: 65 Resp: 79720
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.4

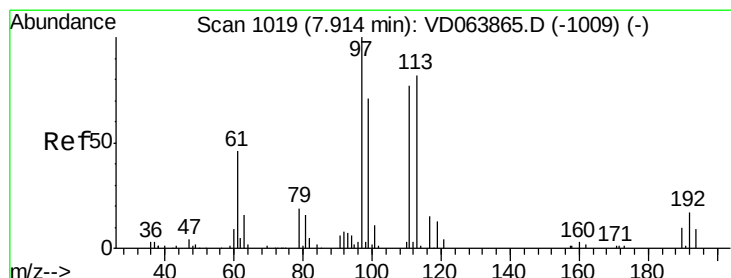
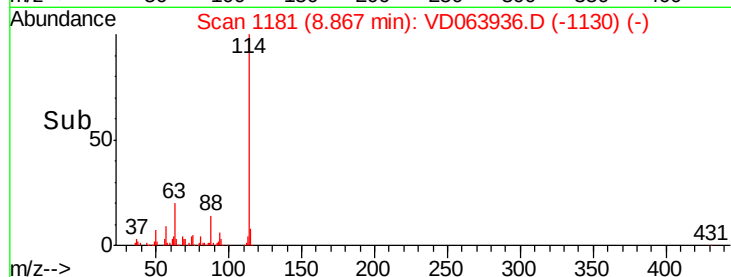
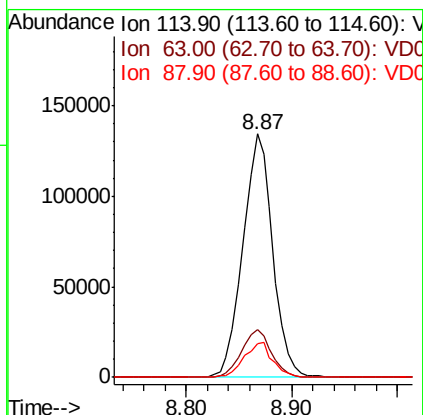
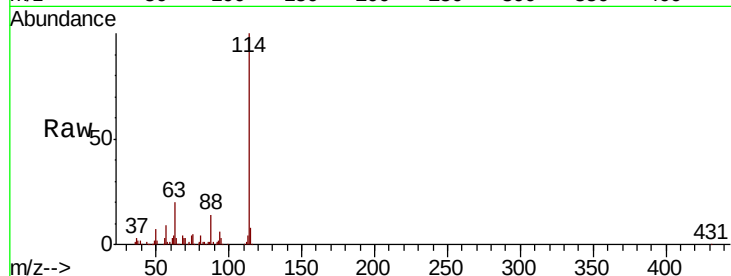




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063936.D
 Acq: 11 Oct 2019 14:46

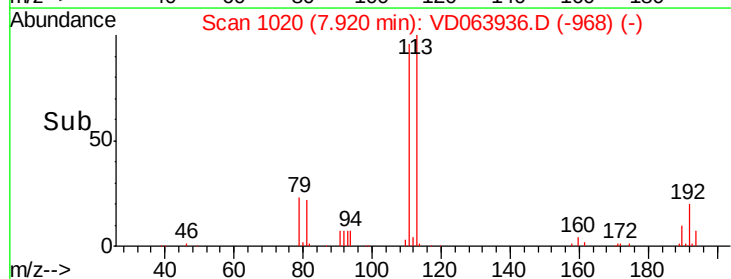
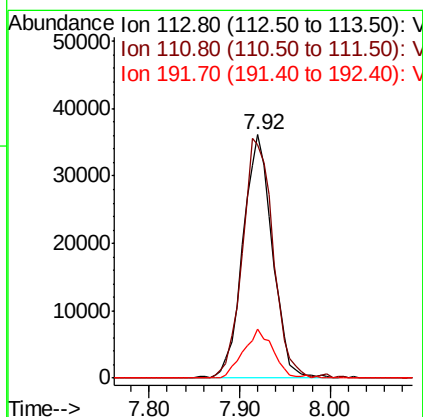
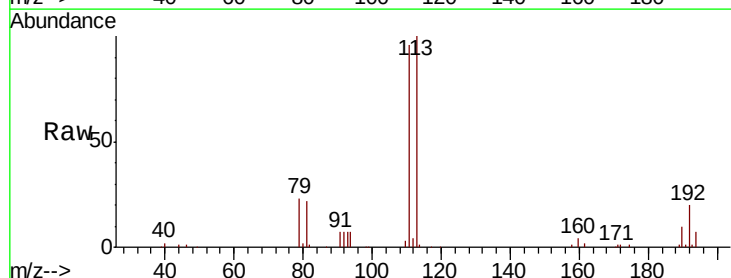
Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-A

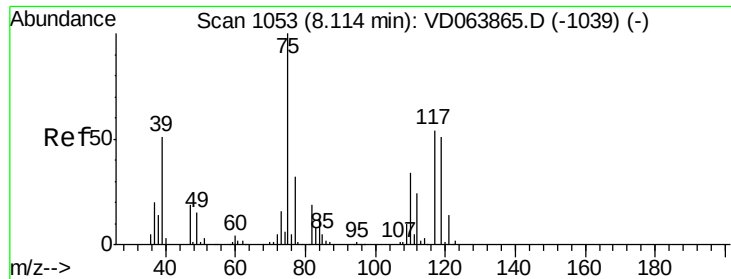
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.4
88	13.7	0.0	27.4



#35
 Dibromofluoromethane
 Concen: 50.650 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063936.D
 Acq: 11 Oct 2019 14:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	123.8
192	20.5	17.1	25.7

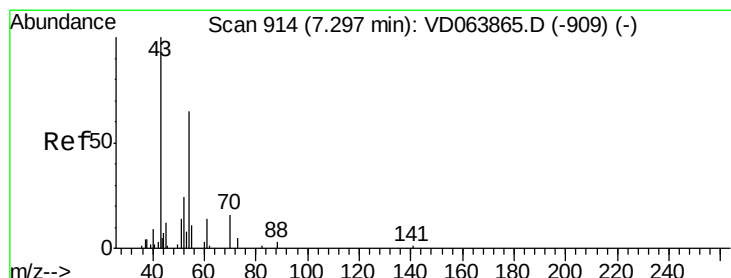
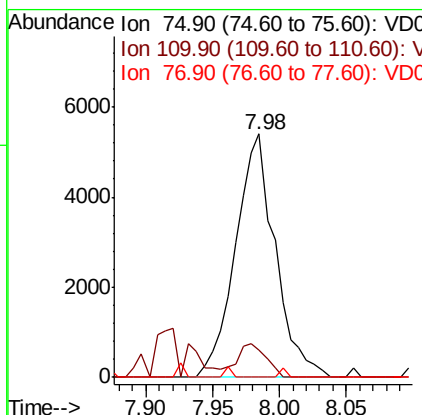
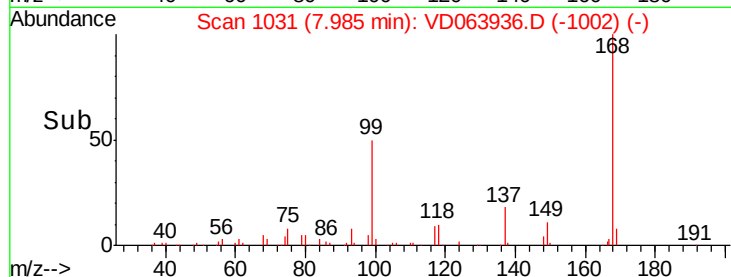
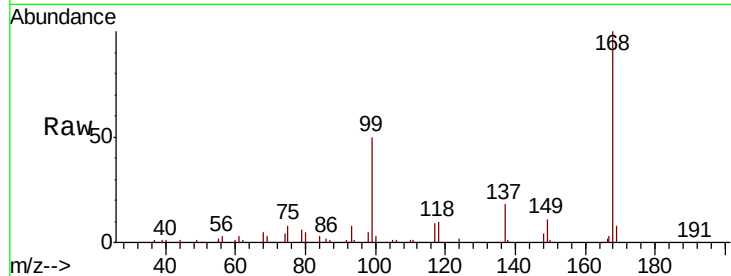




#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063936.D
 Acq: 11 Oct 2019 14:46

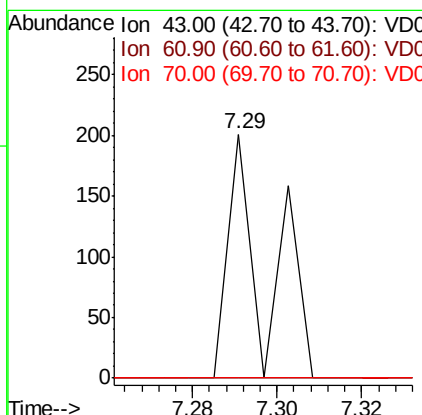
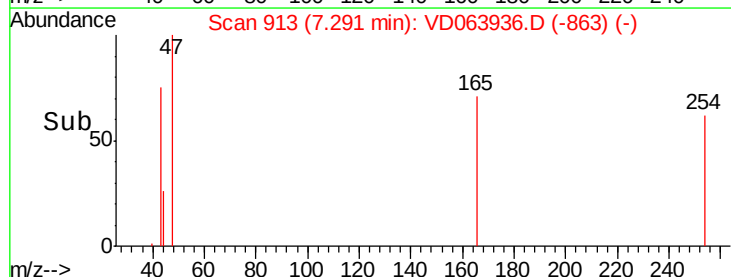
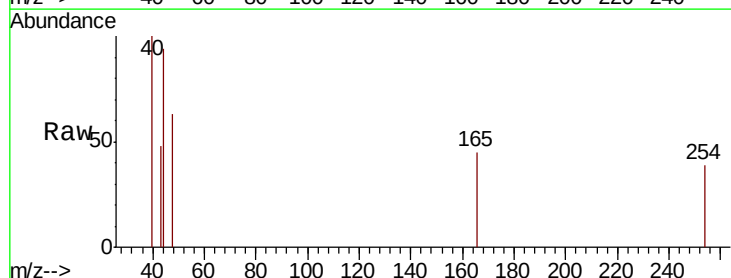
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 ClientSampleID :
 10-10-A

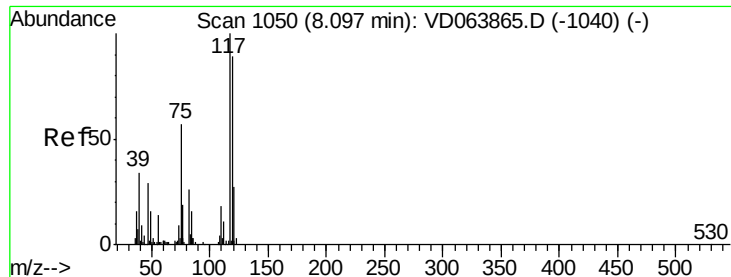
Tot Ion: 75 Resp: 11143
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.4 52.3#
 77 0.0 25.4 38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.29 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VD063936.D
 Acq: 11 Oct 2019 14:46

Tgt Ion: 43 Resp: 127
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.5 17.3#
 70 0.0 8.2 12.4#





#38

Carbon Tetrachloride

Concen: 5.797 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD063936.D

Acq: 11 Oct 2019 14:46

Instrument :

MSVOA_D

ClientSampleId :

10-10-A

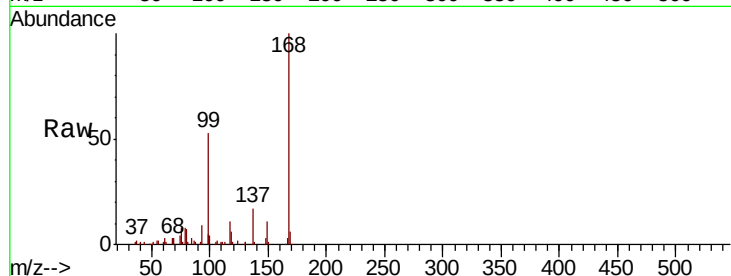
Tot Ion:117 Resp: 14080

Ion Ratio Lower Upper

117 100

119 5.8 70.8 106.2#

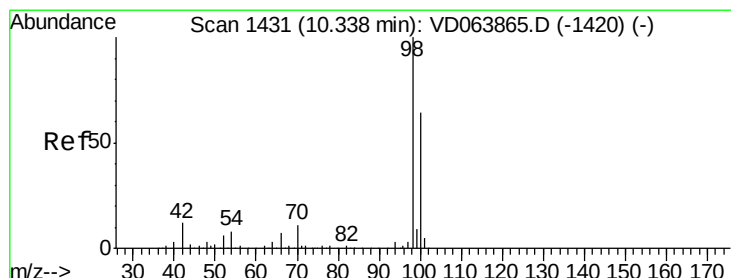
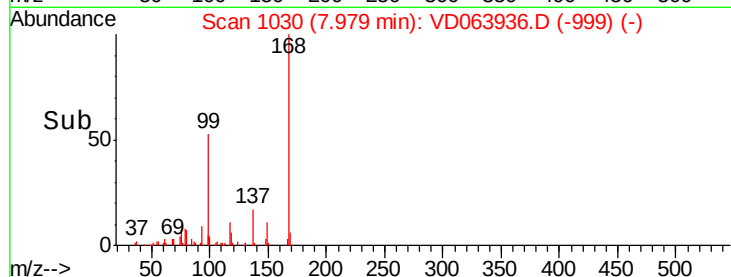
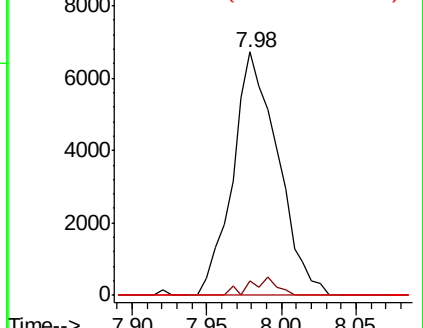
121 0.0 21.4 32.0#



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



#50

Toluene-d8

Concen: 52.182 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063936.D

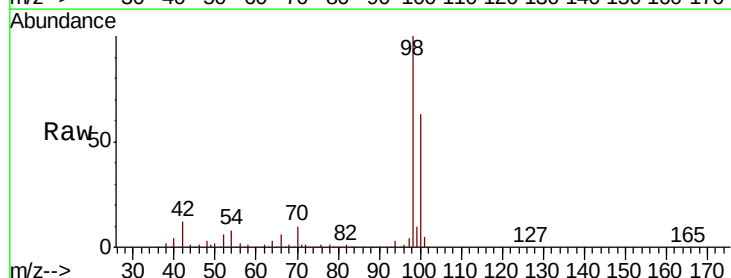
Acq: 11 Oct 2019 14:46

Tgt Ion: 98 Resp: 340282

Ion Ratio Lower Upper

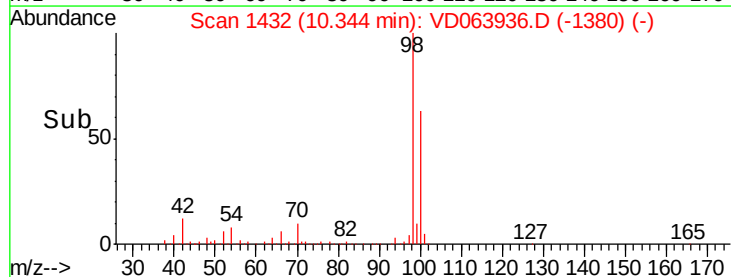
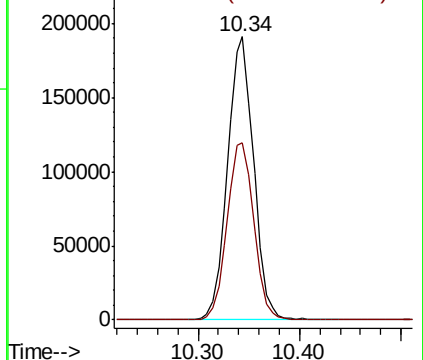
98 100

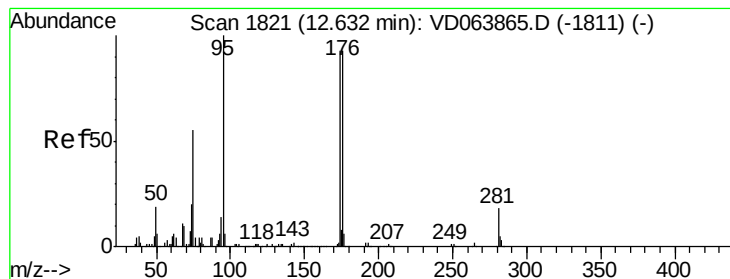
100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 44.816 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063936.D

Acq: 11 Oct 2019 14:46

Instrument :

MSVOA_D

ClientSampleId :

10-10-A

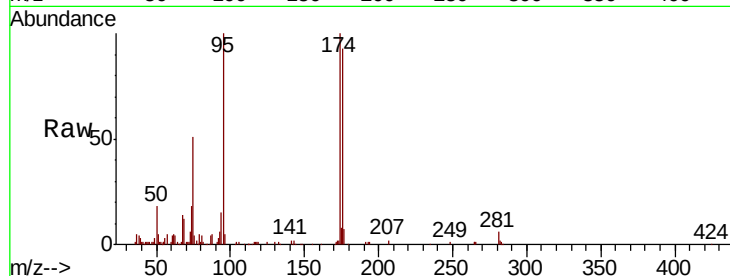
Tot Ion: 95 Resp: 101556

Ion Ratio Lower Upper

95 100

174 93.3 0.0 186.4

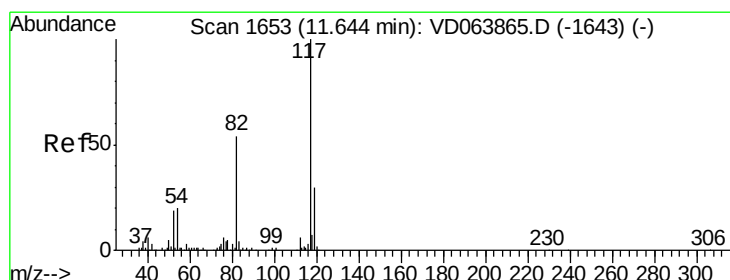
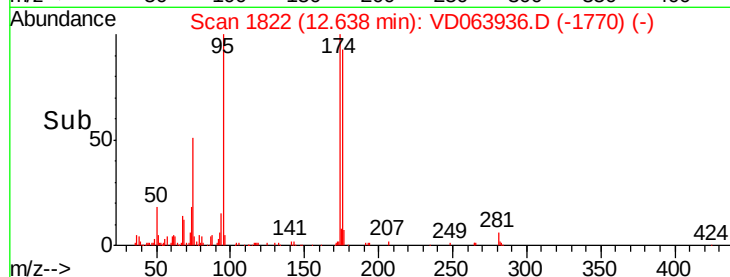
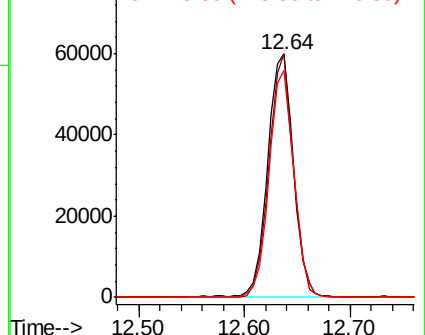
176 89.1 0.0 184.2



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: VD063936.D

Acq: 11 Oct 2019 14:46

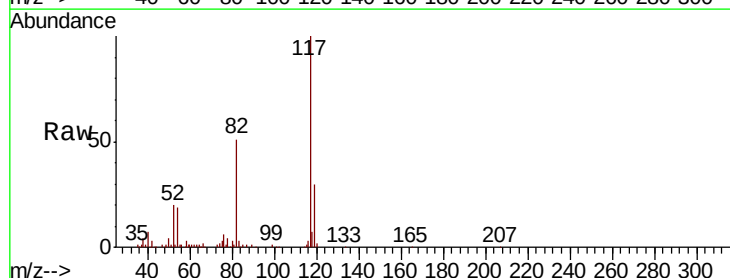
Tgt Ion: 117 Resp: 251645

Ion Ratio Lower Upper

117 100

82 50.8 42.8 64.2

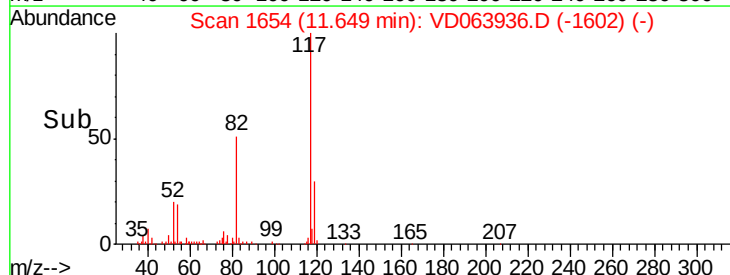
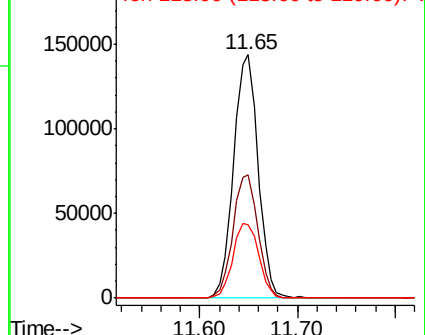
119 30.3 24.4 36.6

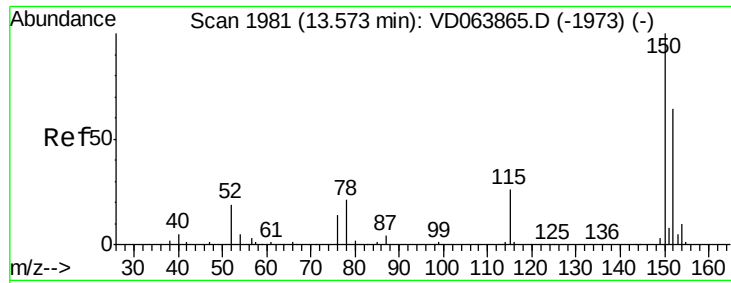


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



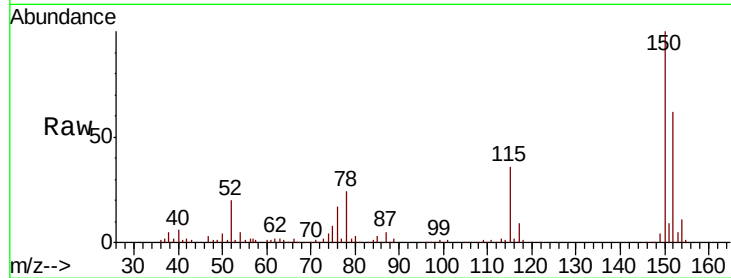


#72

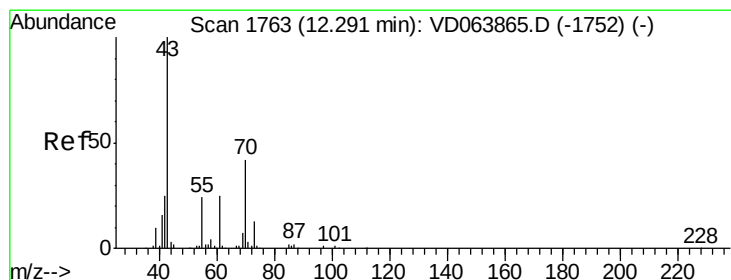
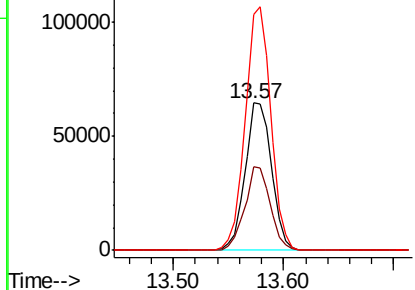
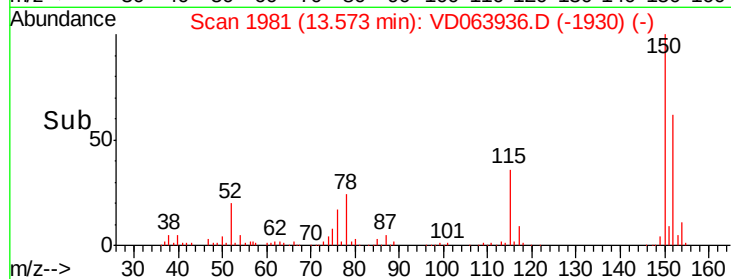
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

Instrument :
MSVOA_D
ClientSampleId :
10-10-A

Tot Ion:152 Resp: 108580
Ion Ratio Lower Upper
152 100
115 54.7 25.9 77.7
150 160.1 0.0 344.2



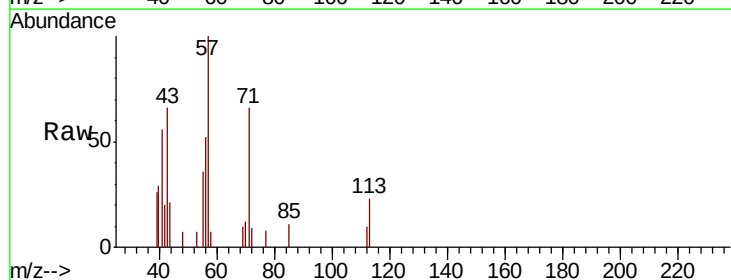
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



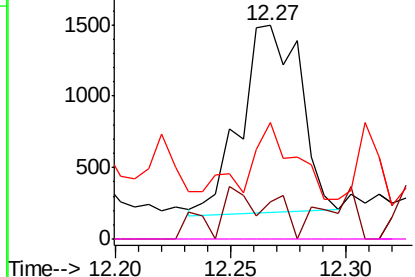
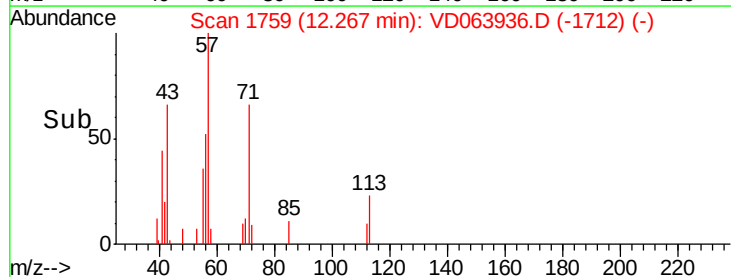
#74

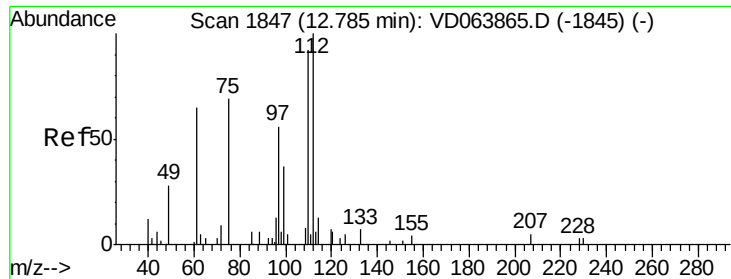
N-ethyl acetate
Concen: 1.505 ug/l
RT: 12.27 min Scan# 1759
Delta R.T. -0.02 min
Lab File: VD063936.D
Acq: 11 Oct 2019 14:46

Tgt Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
70 26.0 35.8 53.6#
55 47.2 19.4 29.0#
61 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 61.00 (60.70 to 61.70): VDC

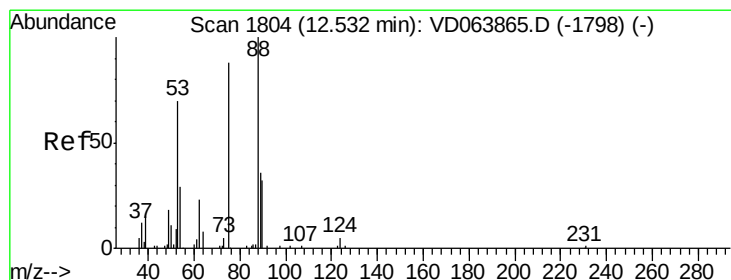
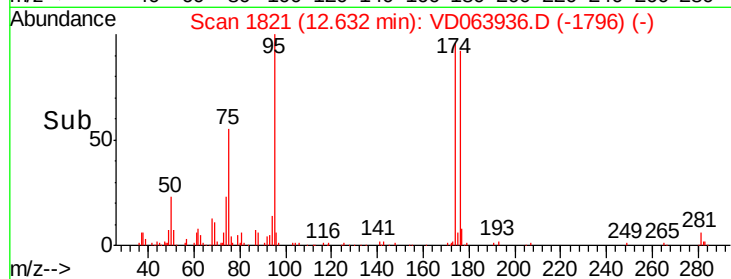
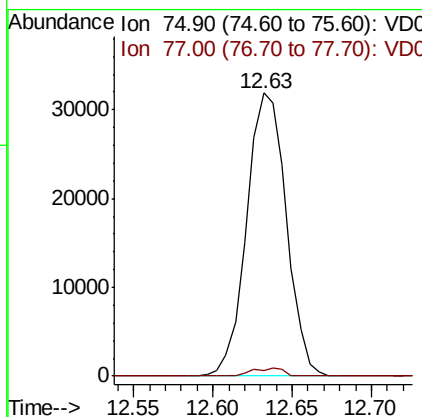
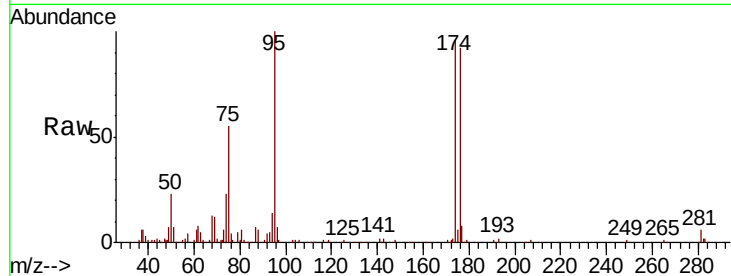




#76
 1,2,3-Trichloropropane
 Concen: 76.146 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD063936.D
 Acq: 11 Oct 2019 14:46

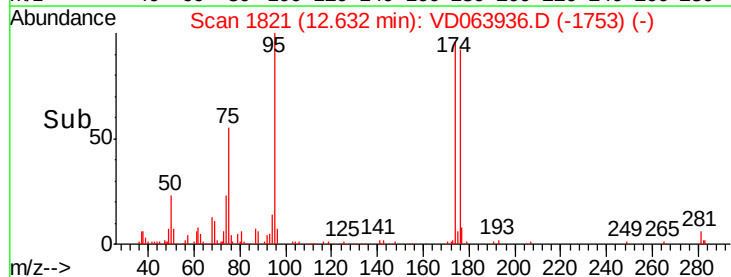
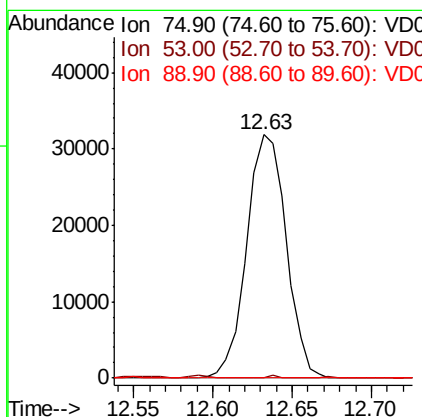
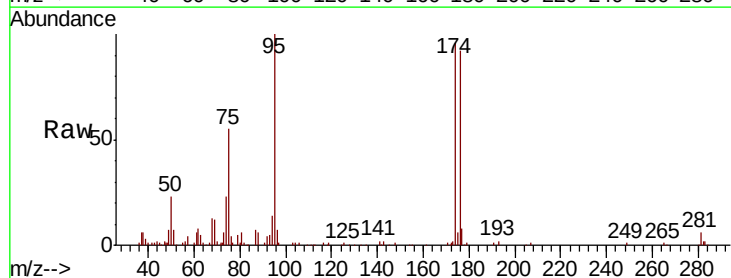
Instrument :
 MSVOA_D
 ClientSampleId :
 10-10-A

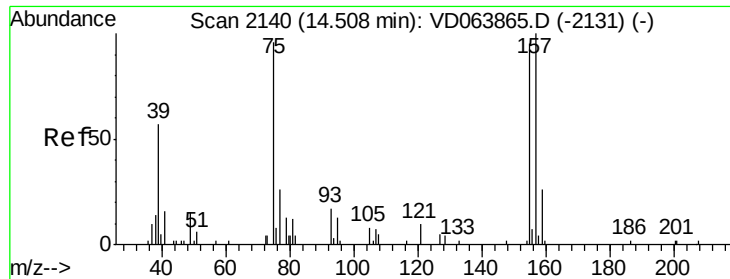
Tot Ion: 75 Resp: 55376
 Ion Ratio Lower Upper
 75 100
 77 2.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.747 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD063936.D
 Acq: 11 Oct 2019 14:46

Tgt Ion: 75 Resp: 55376
 Ion Ratio Lower Upper
 75 100
 53 0.3 75.0 112.6#
 89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.66 min Scan# 2165

Delta R.T. 0.15 min

Lab File: VD063936.D

Acq: 11 Oct 2019 14:46

Instrument :

MSVOA_D

ClientSampleId :

10-10-A

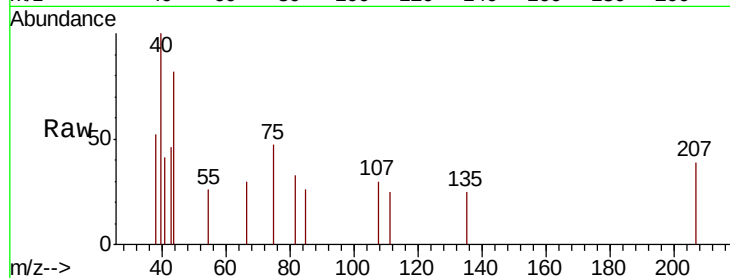
Tot Ion: 75 Resp: 277

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

400

300

200

100

0

14.62 14.64 14.66 14.68

14.66

Time-->

