

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063939.D
 Acq On : 11 Oct 2019 16:11
 Operator : VA/SY
 Sample : K5325-04
 Misc : 6.63G/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:37:47 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	140018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	246200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	253551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116273	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	80550	59.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	118.18%	
35) Dibromofluoromethane	7.92	113	79550	52.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.74%	
50) Toluene-d8	10.34	98	332925	54.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.04%	
62) 4-Bromofluorobenzene	12.63	95	104564	49.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.54%	

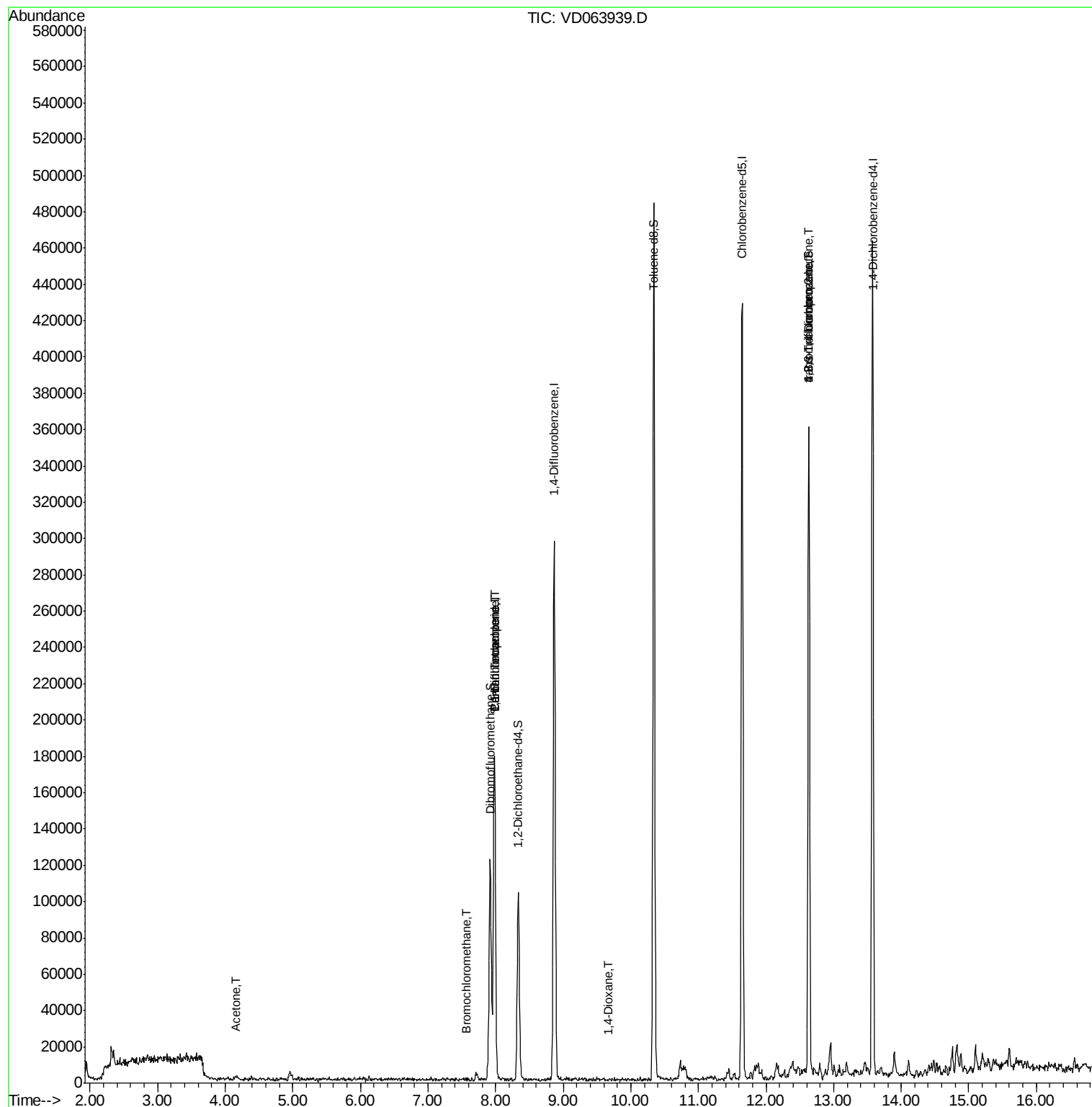
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	535	Below Cal	#	40
11) Tert butyl alcohol	5.34	59	79	Below Cal	#	1
16) Acetone	4.16	43	3188	8.983	ug/l	100
20) Methylene Chloride	4.97	84	2516	Below Cal		90
28) Bromochloromethane	7.57	49	106	1.974	ug/l #	70
31) Cyclohexane	7.98	56	3329	Below Cal	#	69
36) 1,1-Dichloropropene	7.98	75	10181	4.523	ug/l #	50
37) Ethyl Acetate	7.30	43	80	Below Cal	#	16
38) Carbon Tetrachloride	7.98	117	14409	6.334	ug/l #	22
49) 1,4-Dioxane	9.66	88	55	4.481	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	56932	73.106	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	56932	129.368	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.48	75	62	Below Cal	#	1

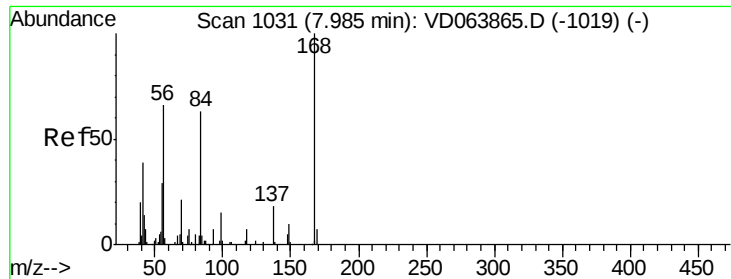
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

Instrument :

MSVOA_D

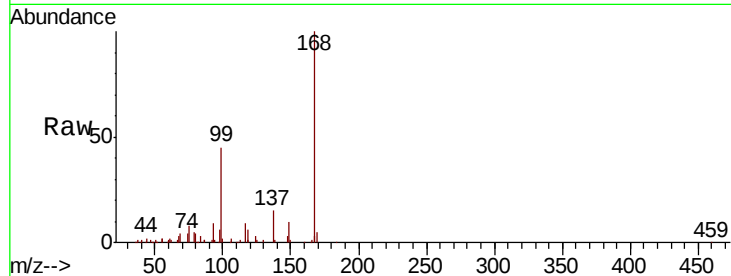
ClientSampleId :

Tot Ion:168 Resp: 140018

Ion Ratio Lower Upper

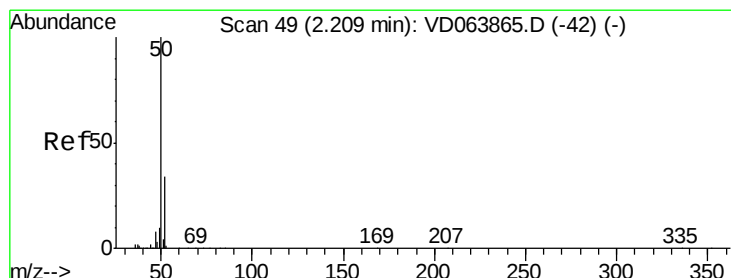
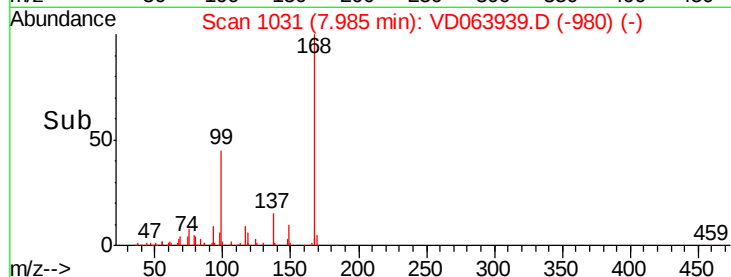
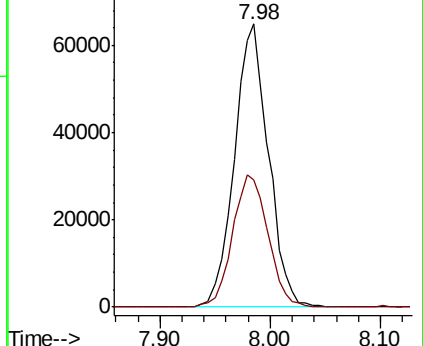
168 100

99 44.7 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: VD063939.D

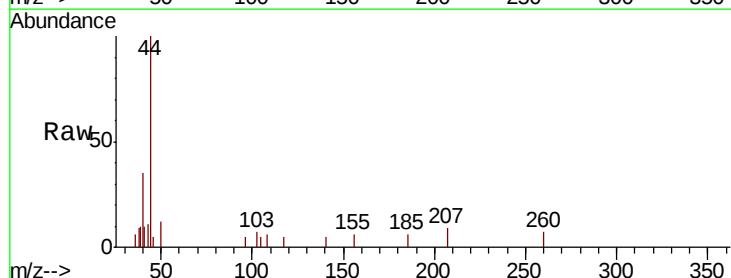
Acq: 11 Oct 2019 16:11

Tgt Ion: 50 Resp: 535

Ion Ratio Lower Upper

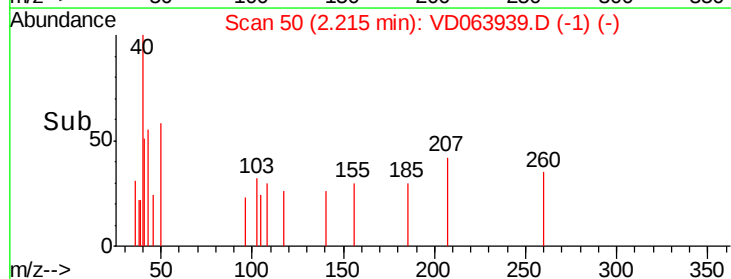
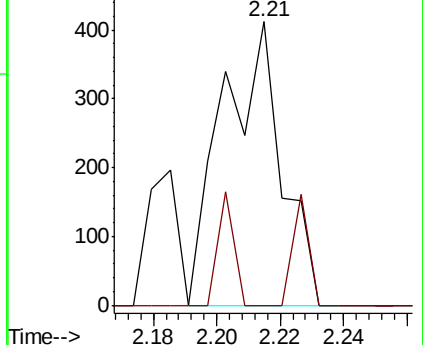
50 100

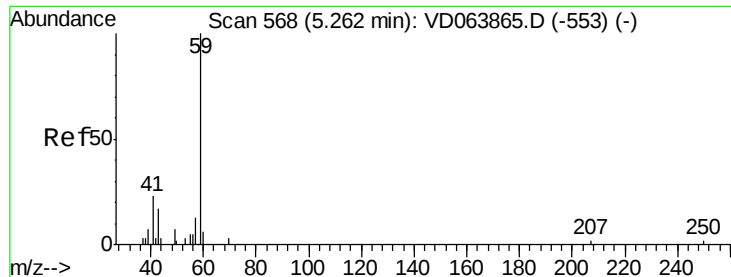
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



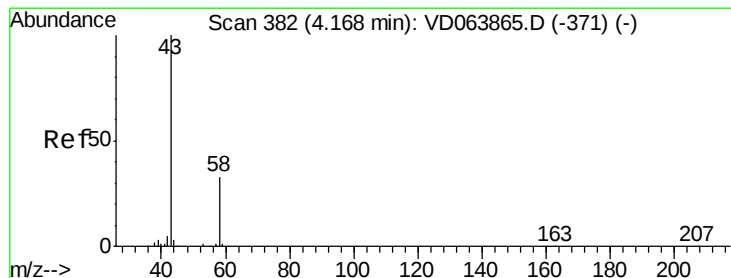
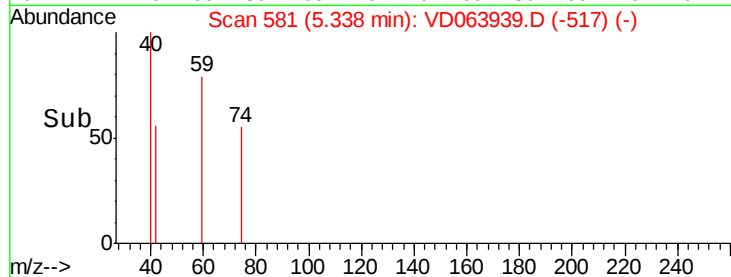
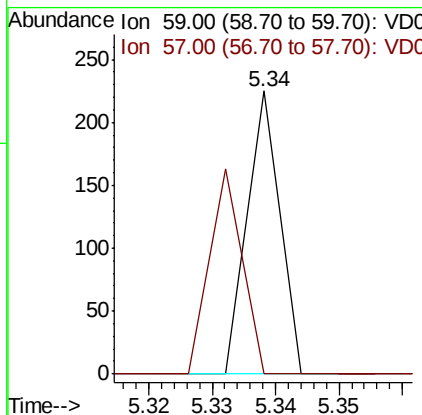
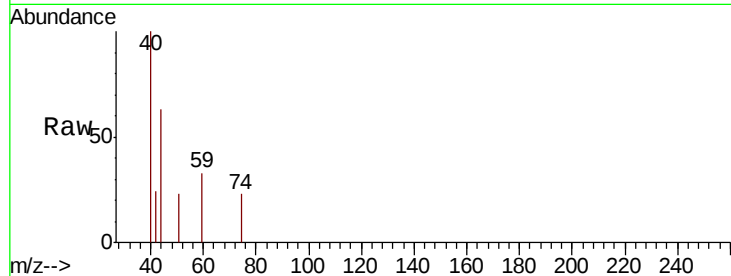


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.34 min Scan# 581
 Delta R.T. 0.08 min
 Lab File: VD063939.D
 Acq: 11 Oct 2019 16:11

Instrument :
 MSVOA_D
 ClientSampleId :

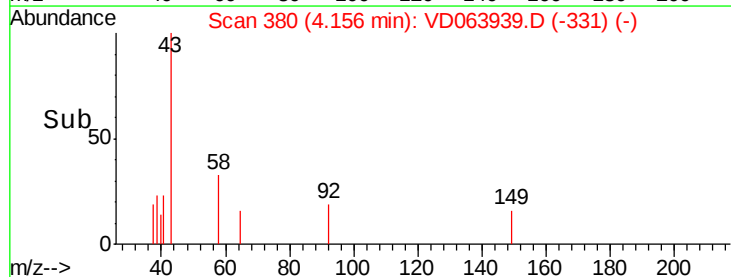
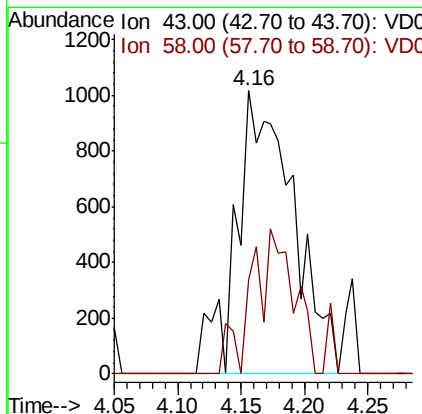
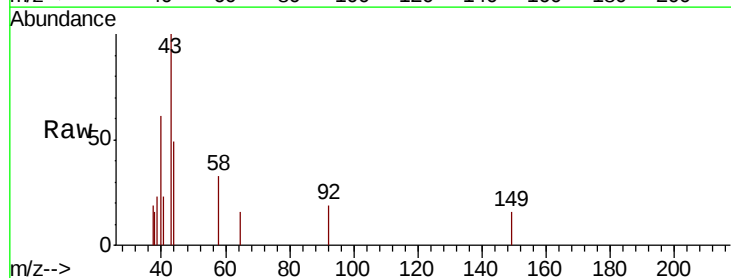
Tot Ion: 59 Resp: 79
 Ion Ratio Lower Upper
 59 100
 57 73.4 8.8 13.2#

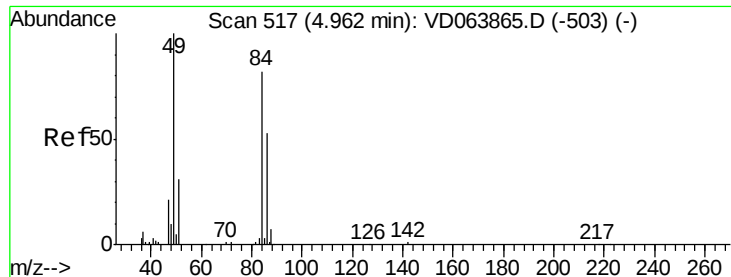


#16

Acetone
 Concen: 8.983 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: VD063939.D
 Acq: 11 Oct 2019 16:11

Tgt Ion: 43 Resp: 3188
 Ion Ratio Lower Upper
 43 100
 58 33.1 26.2 39.4

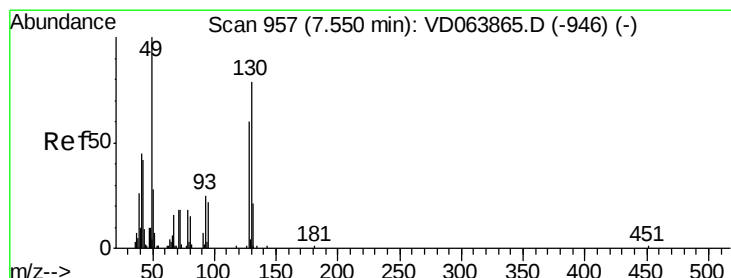
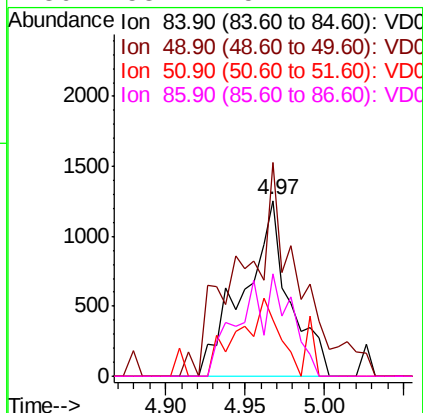
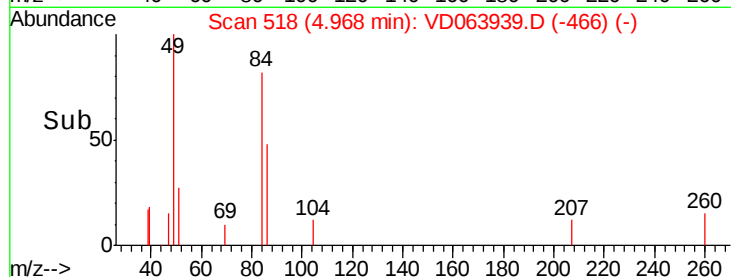
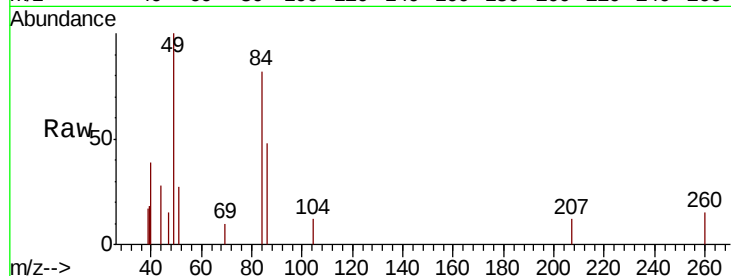




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063939.D
Acq: 11 Oct 2019 16:11

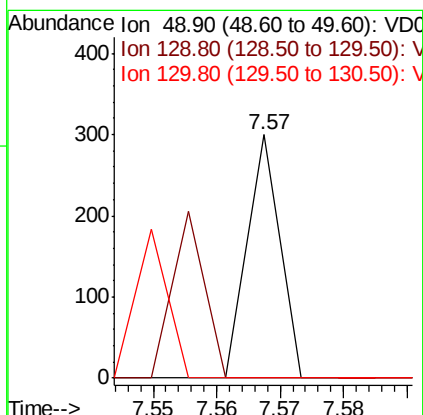
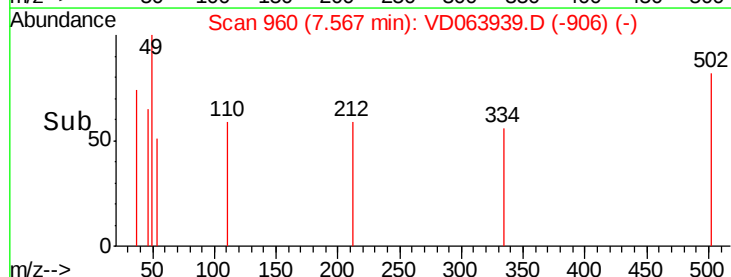
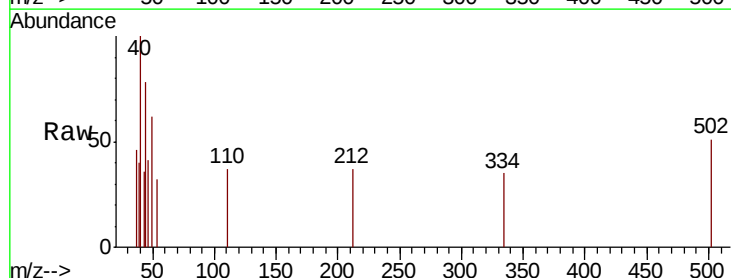
Instrument :
MSVOA_D
ClientSampleId :

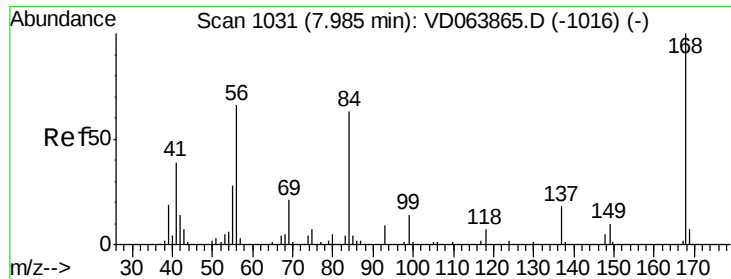
Tot Ion:	84	Resp:	2516
Ion	Ratio	Lower	Upper
84	100		
49	107.8	97.3	145.9
51	32.3	30.1	45.1
86	58.1	51.4	77.2



#28
Bromochloromethane
Concen: 1.974 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.02 min
Lab File: VD063939.D
Acq: 11 Oct 2019 16:11

Tgt Ion:	49	Resp:	106
Ion	Ratio	Lower	Upper
49	100		
129	68.9	0.0	5.6#
130	61.3	66.8	100.2#

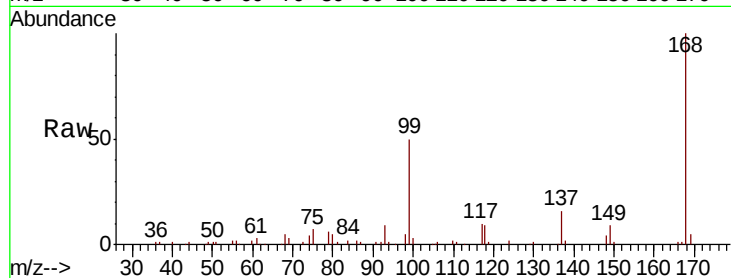




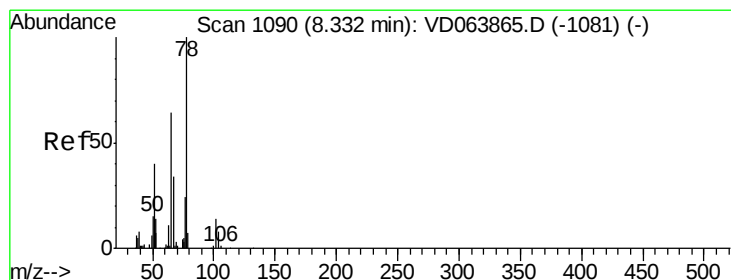
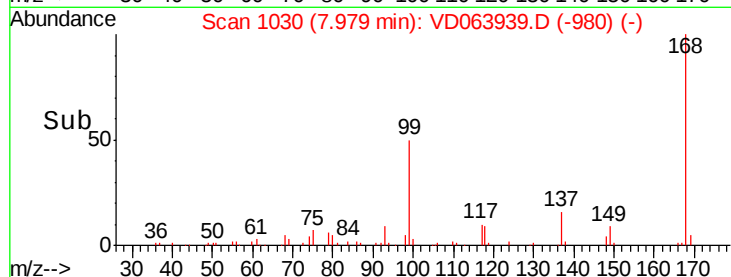
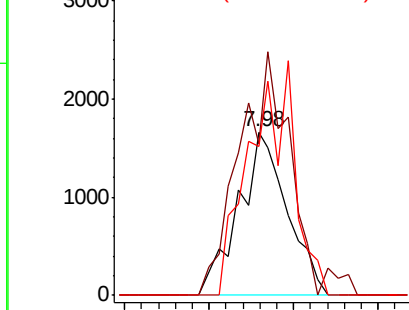
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063939.D
Acq: 11 Oct 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 3329
Ion Ratio Lower Upper
56 100
69 92.7 25.0 37.4#
84 91.1 76.3 114.5

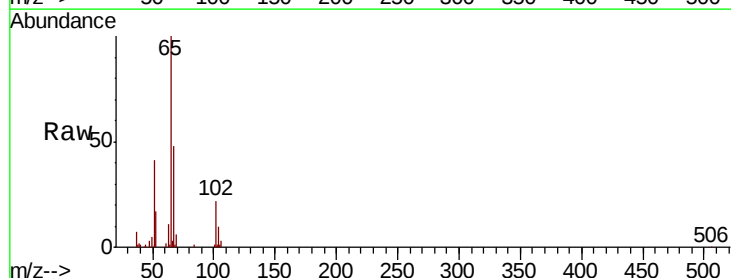


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

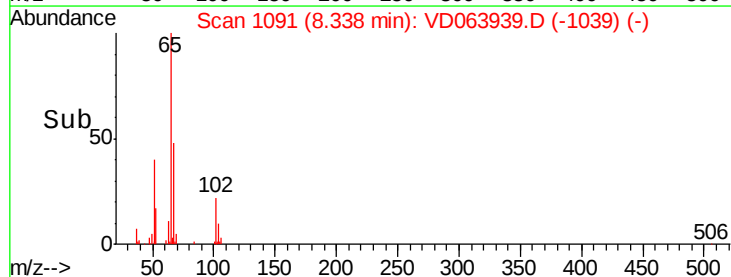
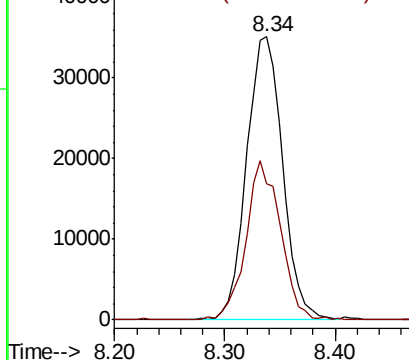


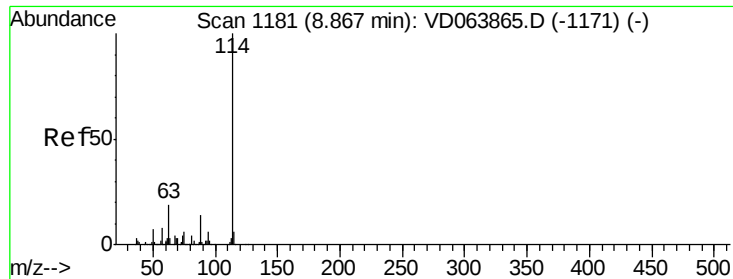
#33
1,2-Dichloroethane-d4
Concen: 59.090 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD063939.D
Acq: 11 Oct 2019 16:11

Tgt Ion: 65 Resp: 80550
Ion Ratio Lower Upper
65 100
67 53.9 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

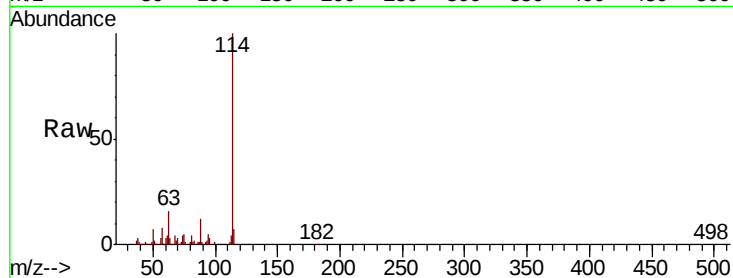
Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 246200

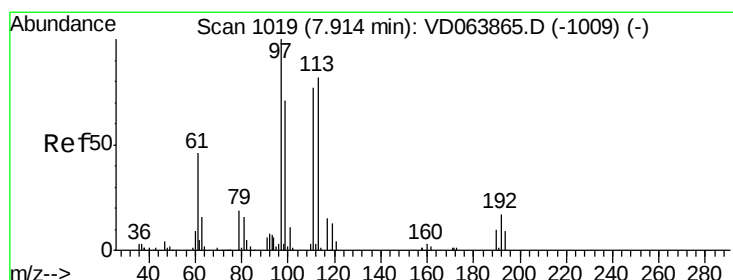
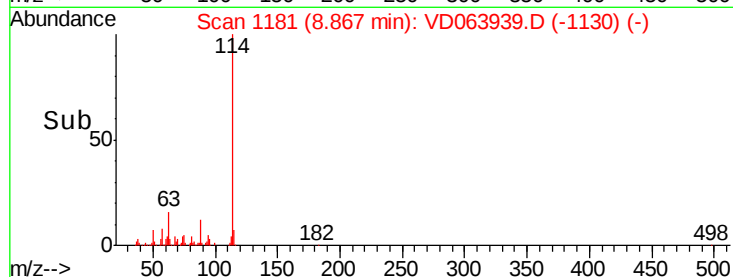
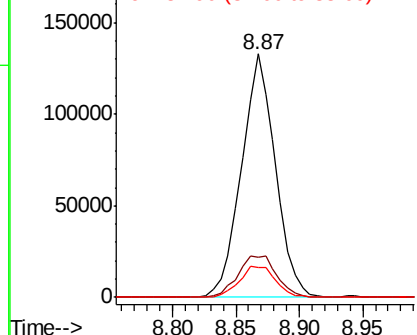
Ion	Ratio	Lower	Upper
114	100		
63	16.4	0.0	38.4
88	12.1	0.0	27.4



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: 52.871 ug/l

RT: 7.92 min Scan# 1020

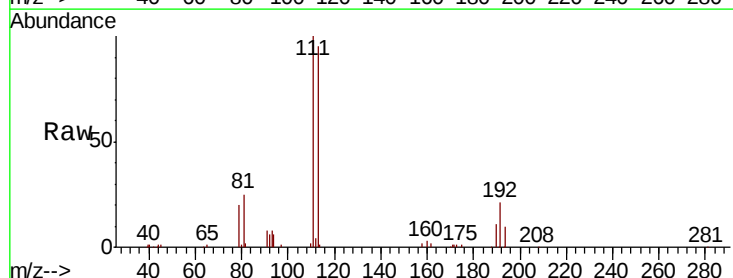
Delta R.T. 0.01 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

Tgt Ion:113 Resp: 79550

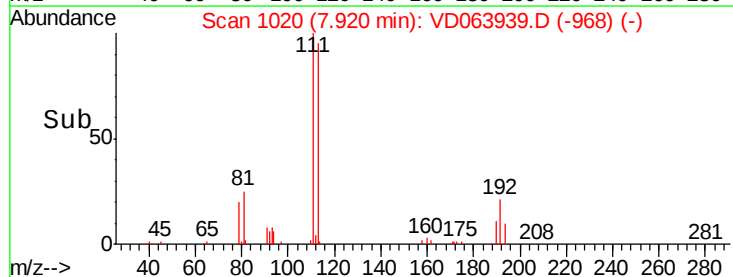
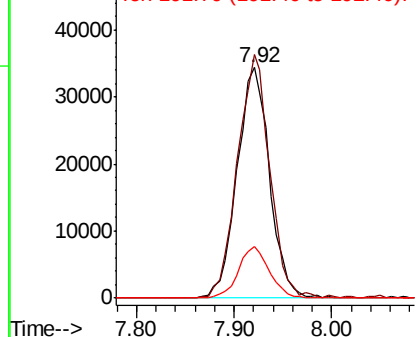
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	123.8
192	21.4	17.1	25.7

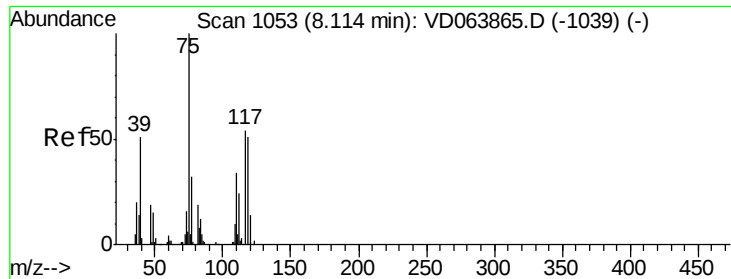


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

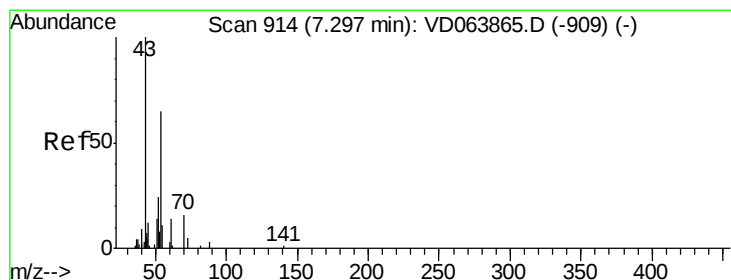
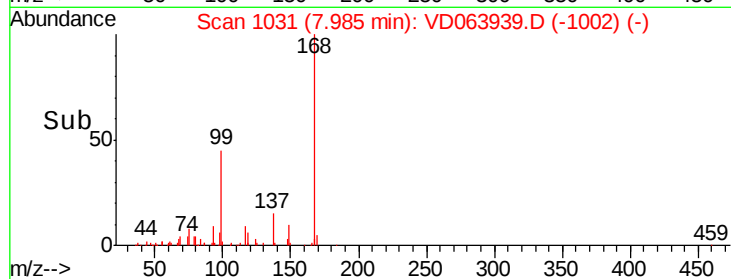
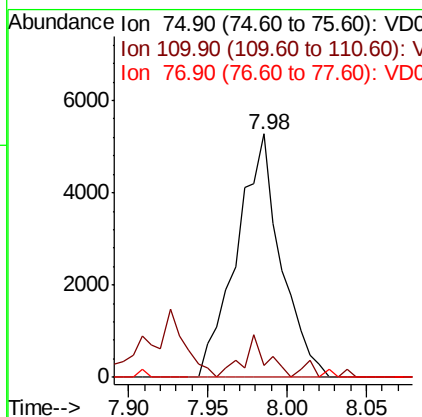
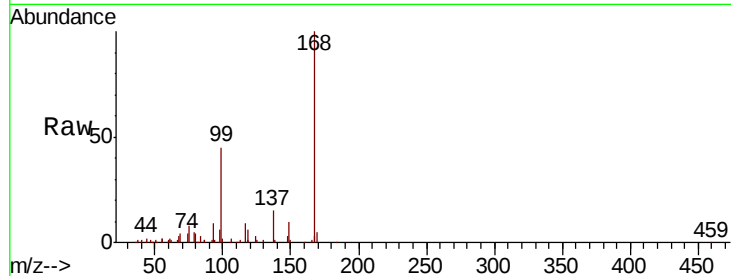




#36
 1,1-Dichloropropene
 Concen: 4.523 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD063939.D
 Acq: 11 Oct 2019 16:11

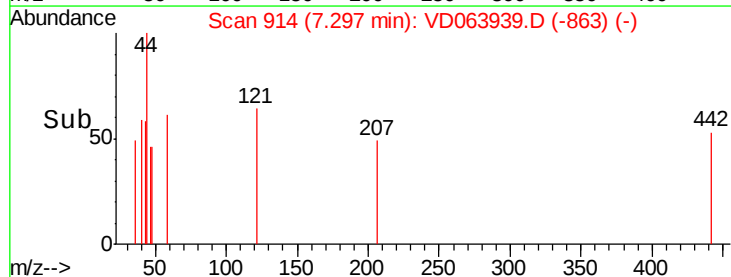
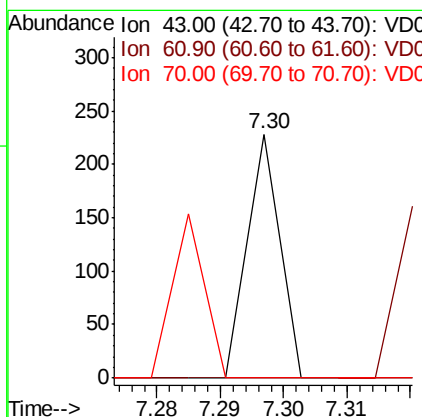
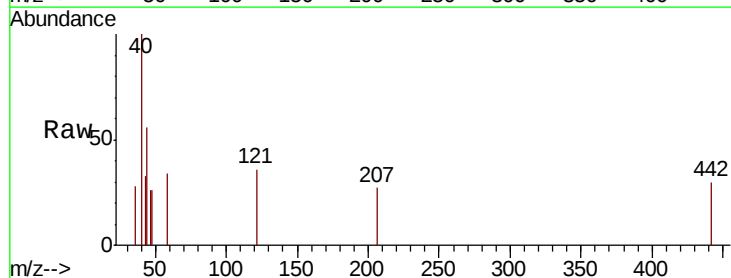
Instrument :
 MSVOA_D
 ClientSampleId :

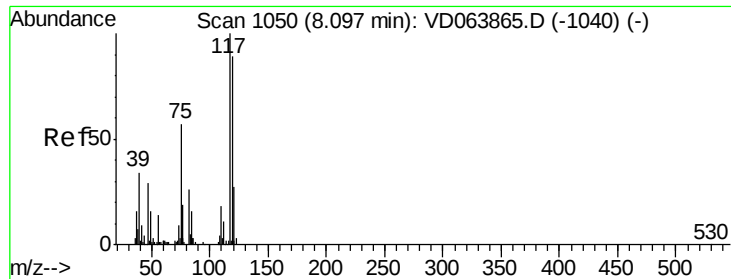
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.4	52.3#
77	0.0	25.4	38.0#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.30 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VD063939.D
 Acq: 11 Oct 2019 16:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	67.5	8.2	12.4#





#38

Carbon Tetrachloride

Concen: 6.334 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

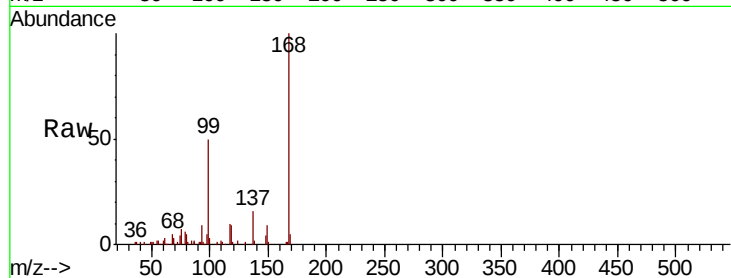
Tot Ion:117 Resp: 14409

Ion Ratio Lower Upper

117 100

119 7.9 70.8 106.2#

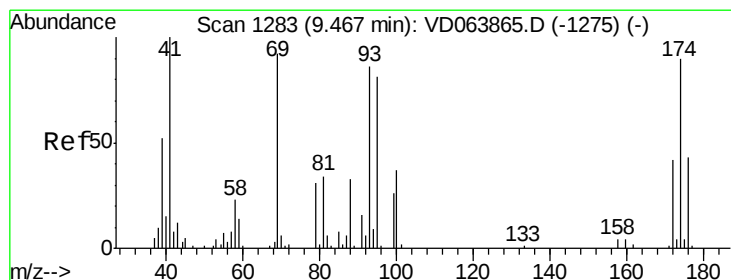
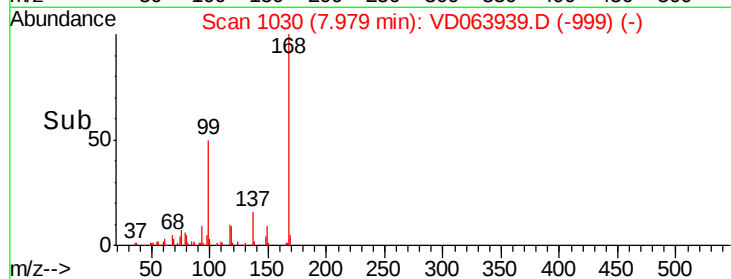
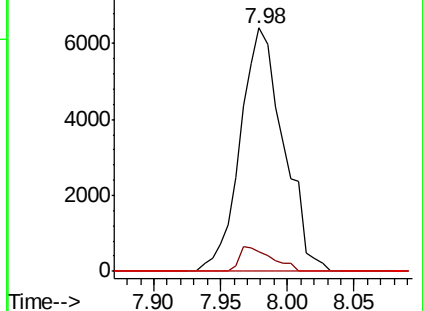
121 0.0 21.4 32.0#



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



#49

1,4-Dioxane

Concen: 4.481 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.19 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

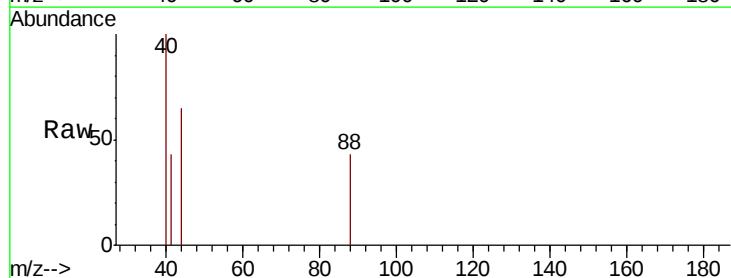
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 129.1 27.6 41.4#

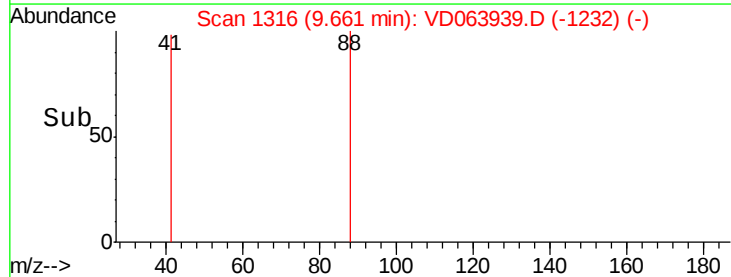
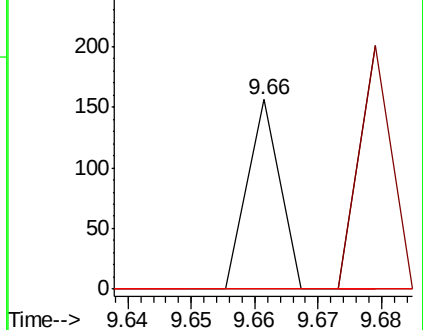
58 0.0 54.1 81.1#

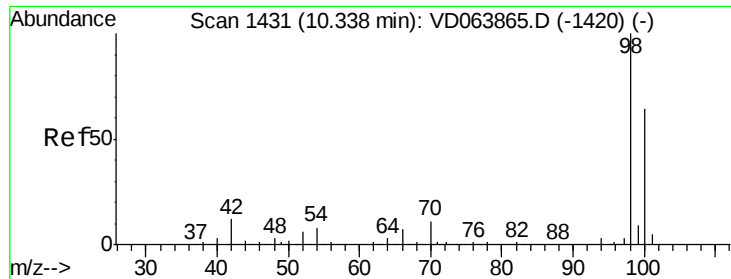


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

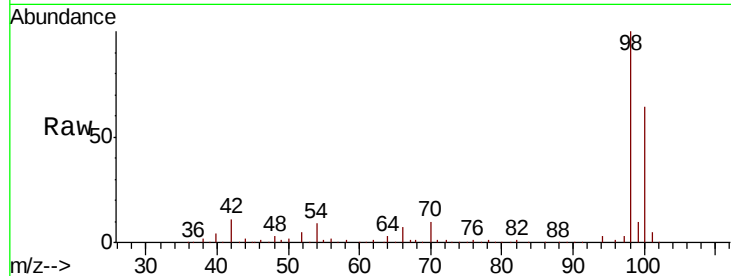




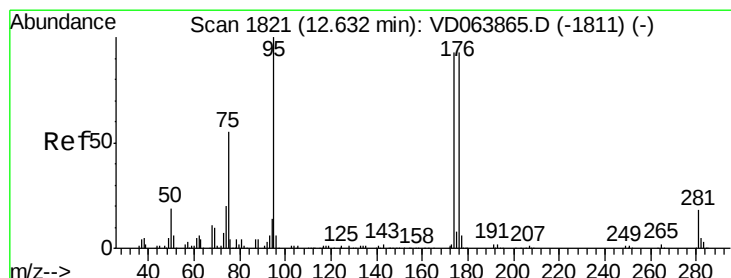
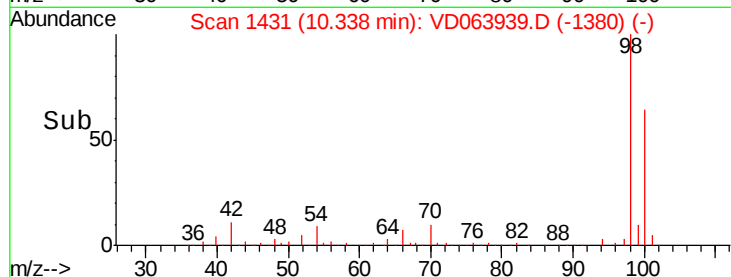
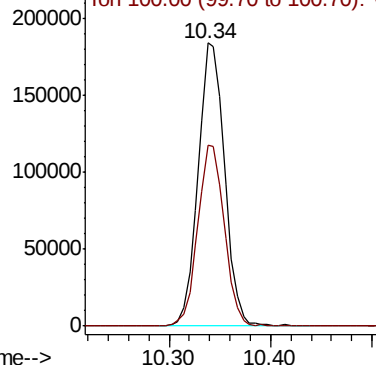
#50
Toluene-d8
Concen: 54.516 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063939.D
Acq: 11 Oct 2019 16:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 332925
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

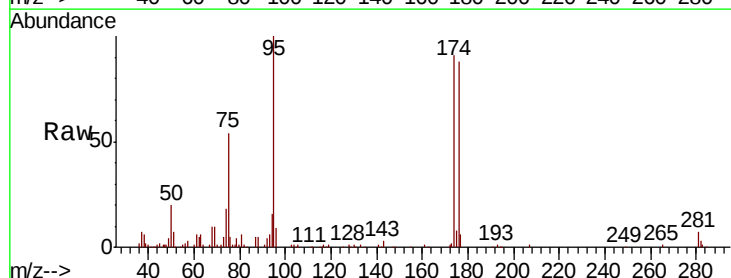


Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

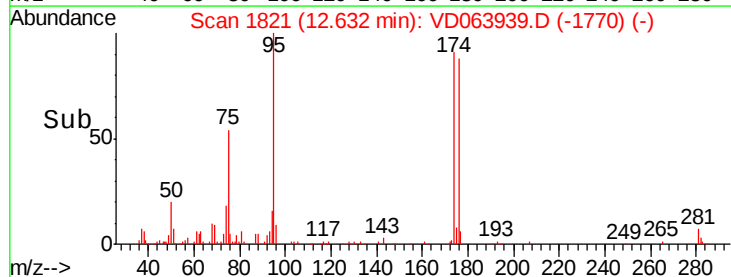
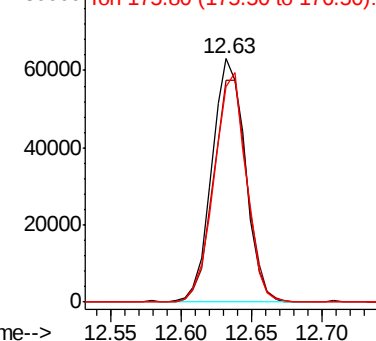


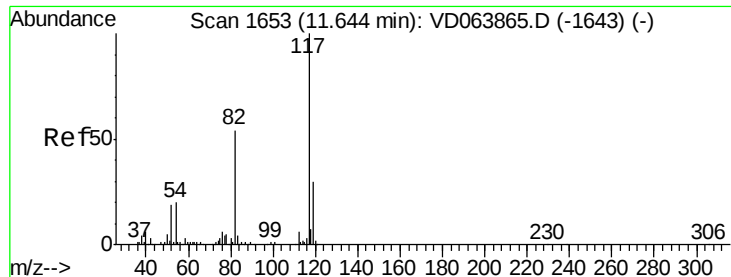
#62
4-Bromofluorobenzene
Concen: 49.272 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063939.D
Acq: 11 Oct 2019 16:11

Tgt Ion: 95 Resp: 104564
Ion Ratio Lower Upper
95 100
174 92.1 0.0 186.4
176 90.7 0.0 184.2



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





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

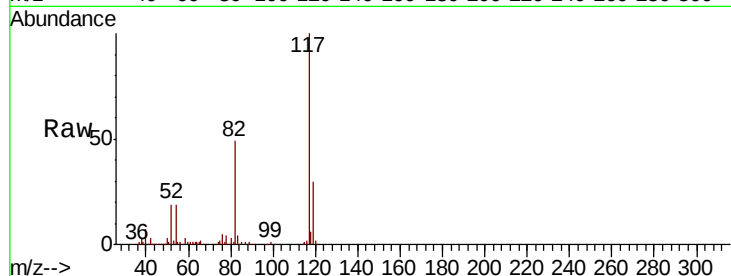
Tot Ion:117 Resp: 253551

Ion Ratio Lower Upper

117 100

82 49.1 42.8 64.2

119 29.8 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

200000

150000

100000

50000

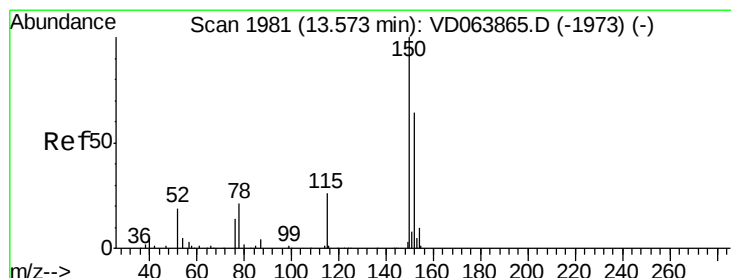
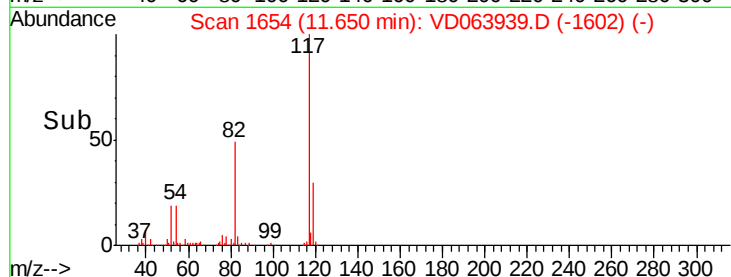
0

11.65

11.60

11.70

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

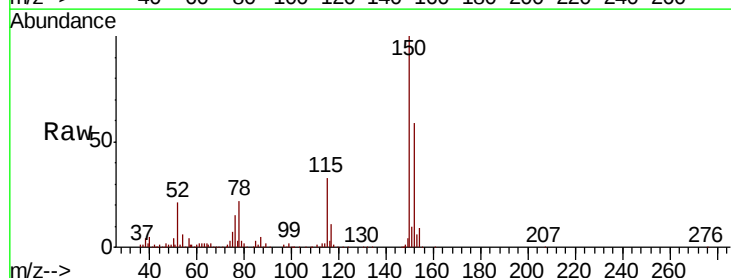
Tgt Ion:152 Resp: 116273

Ion Ratio Lower Upper

152 100

115 55.9 25.9 77.7

150 161.9 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

150000

100000

50000

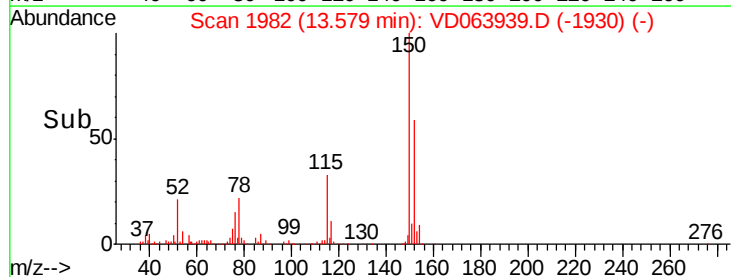
0

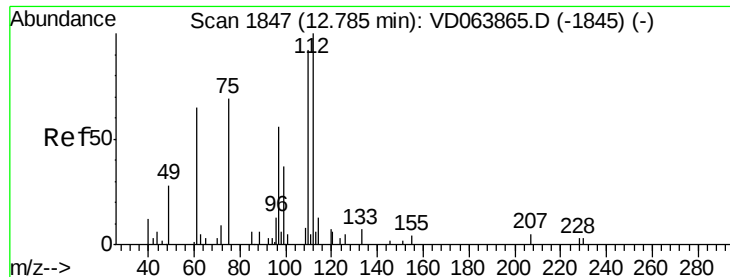
13.58

13.50

13.60

Time-->





#76

1,2,3-Trichloropropane

Concen: 73.106 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

Instrument :

MSVOA_D

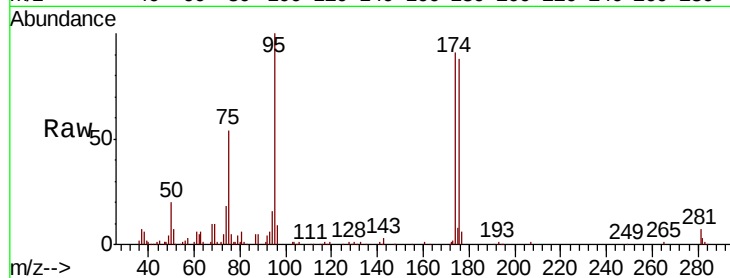
ClientSampleId :

Tot Ion: 75 Resp: 56932

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.63

30000

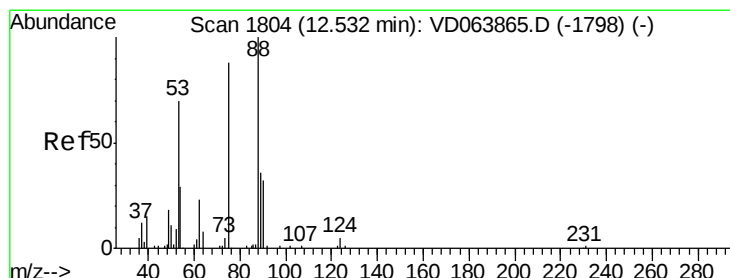
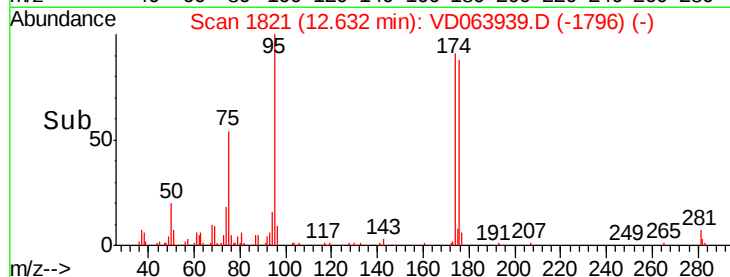
20000

10000

0

Time-->

12.60 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 129.368 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

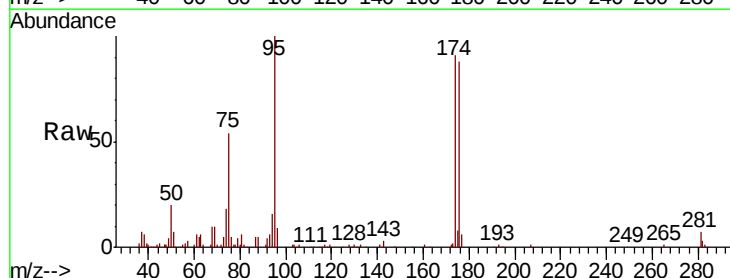
Tgt Ion: 75 Resp: 56932

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

12.63

40000

30000

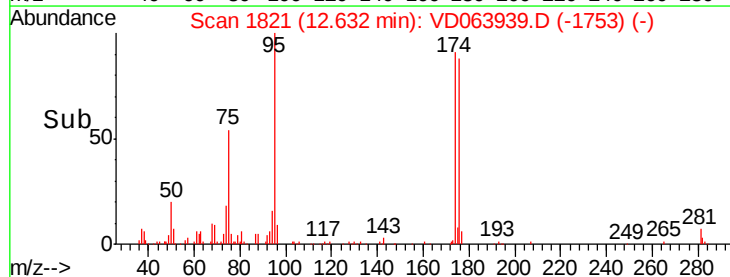
20000

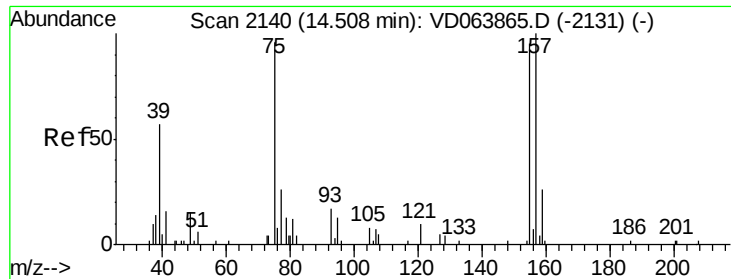
10000

0

Time-->

12.60 12.70





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.48 min Scan# 2135

Delta R.T. -0.03 min

Lab File: VD063939.D

Acq: 11 Oct 2019 16:11

Instrument :

MSVOA_D

ClientSampleId :

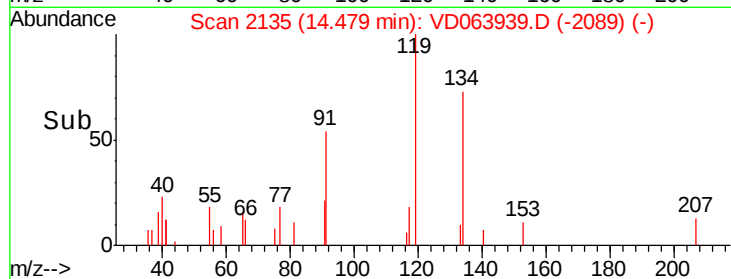
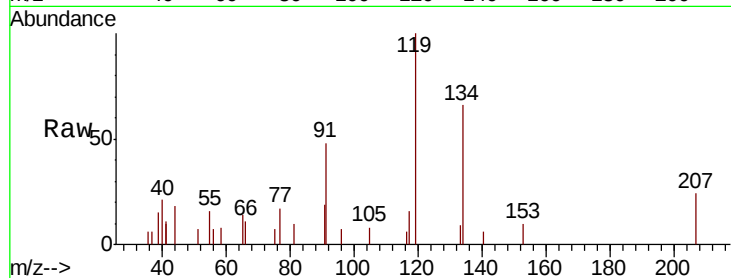
Tot Ion: 75 Resp: 62

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

