

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063943.D
 Acq On : 11 Oct 2019 18:05
 Operator : VA/SY
 Sample : K5325-09
 Misc : 5.78G/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 12 01:38:40 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	149660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	269186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	134169	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	82391	56.55	ug/l	0.00
Spiked Amount						
						Recovery = 113.10%
35) Dibromofluoromethane	7.92	113	85429	51.93	ug/l	0.00
Spiked Amount						
						Recovery = 103.86%
50) Toluene-d8	10.34	98	348388	52.18	ug/l	0.00
Spiked Amount						
						Recovery = 104.36%
62) 4-Bromofluorobenzene	12.63	95	110430	47.59	ug/l	0.00
Spiked Amount						
						Recovery = 95.18%

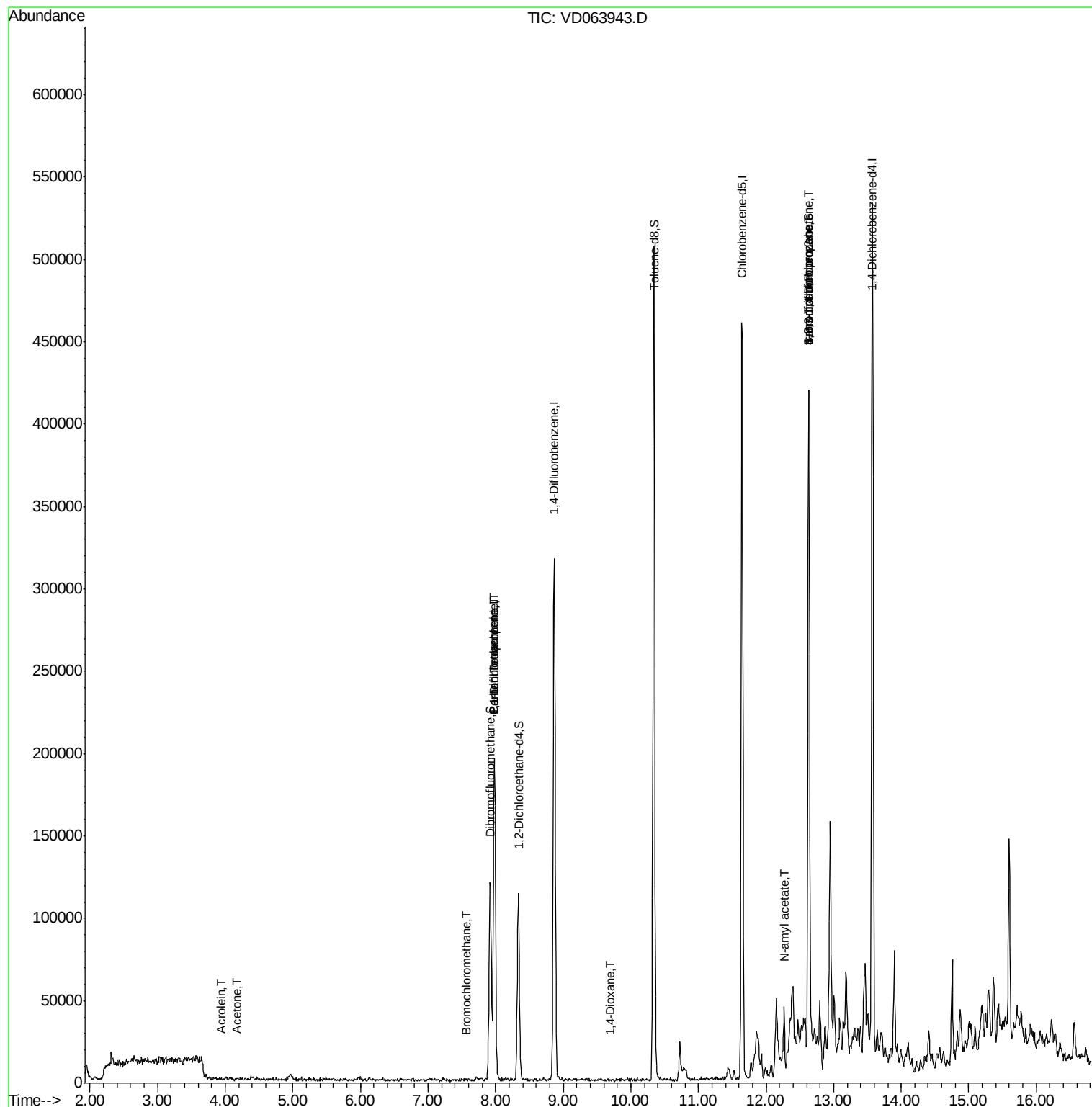
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.20	50	402	Below Cal	#	40
11) Tert butyl alcohol	5.27	59	72	Below Cal	#	71
13) Acrolein	3.94	56	179	1.375	ug/l #	11
16) Acetone	4.17	43	600	1.582	ug/l #	42
20) Methylene Chloride	4.97	84	2630	Below Cal	#	65
28) Bromochloromethane	7.58	49	146	2.005	ug/l #	10
31) Cyclohexane	7.98	56	3693	Below Cal	#	49
36) 1,1-Dichloropropene	7.98	75	11329	4.603	ug/l #	51
37) Ethyl Acetate	7.30	43	269	Below Cal	#	80
38) Carbon Tetrachloride	7.98	117	14662	5.895	ug/l #	19
49) 1,4-Dioxane	9.70	88	71	5.290	ug/l #	24
71) Bromoform	12.63	173	1400	1.294	ug/l #	1
74) N-amyl acetate	12.27	43	7023	3.617	ug/l #	68
76) 1,2,3-Trichloropropane	12.63	75	60007	66.776	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	60007	118.167	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.63	75	112	Below Cal	#	1

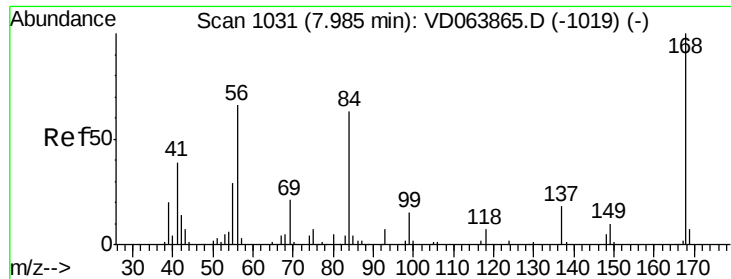
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 1030

Delta R.T. -0.01 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

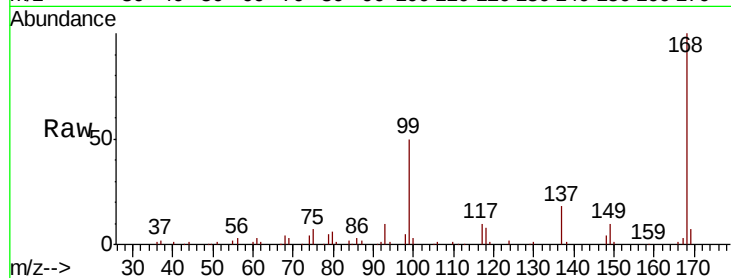
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 149660

Ion Ratio Lower Upper

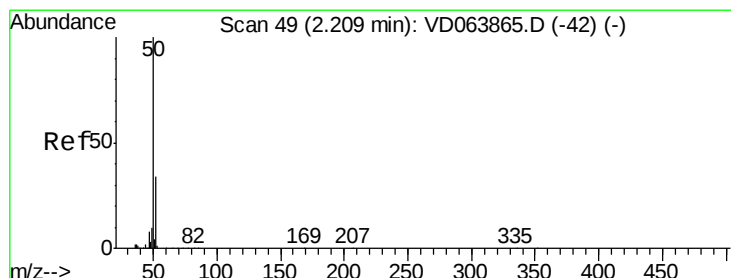
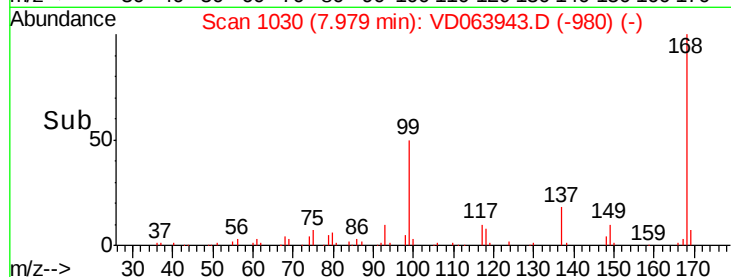
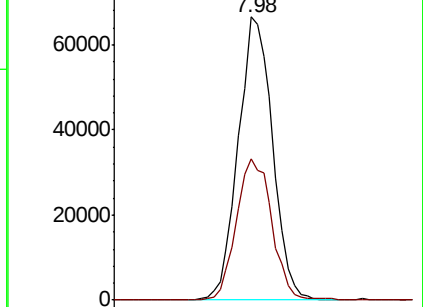
168 100

99 50.0 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: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD063943.D

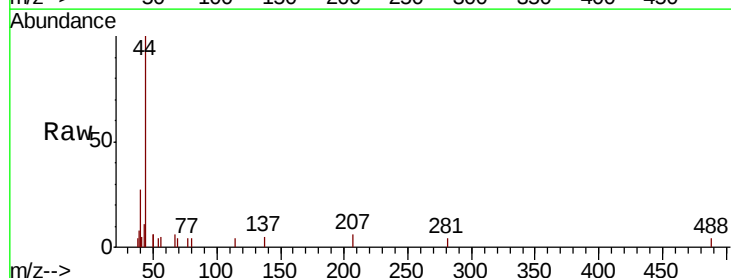
Acq: 11 Oct 2019 18:05

Tgt Ion: 50 Resp: 402

Ion Ratio Lower Upper

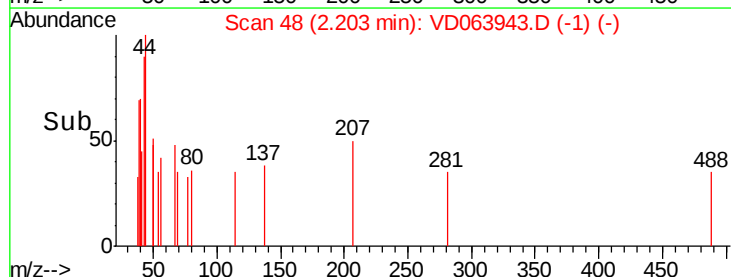
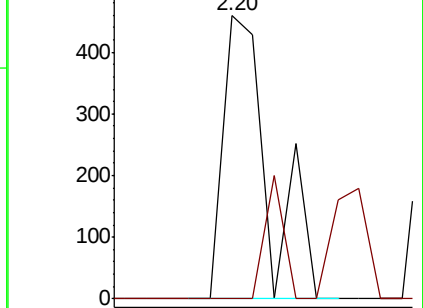
50 100

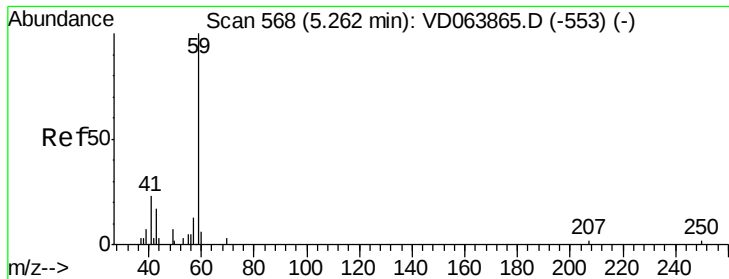
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



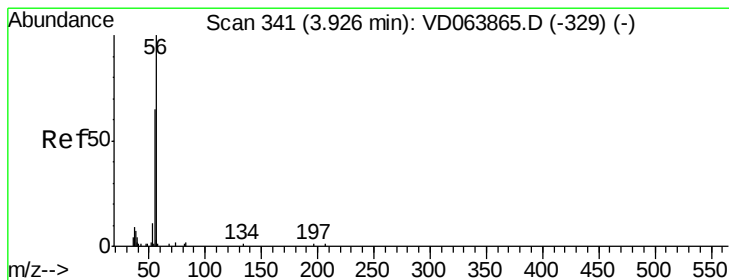
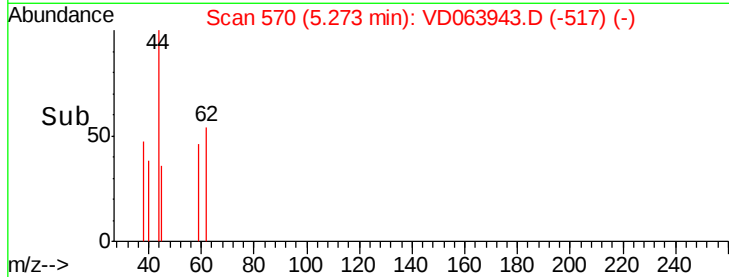
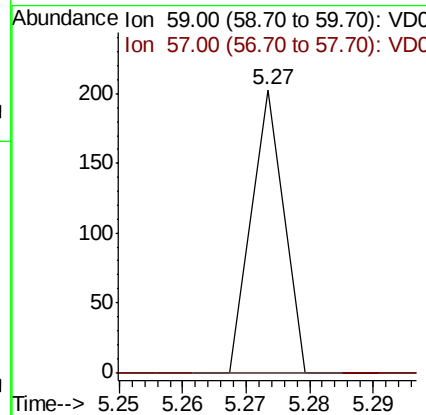
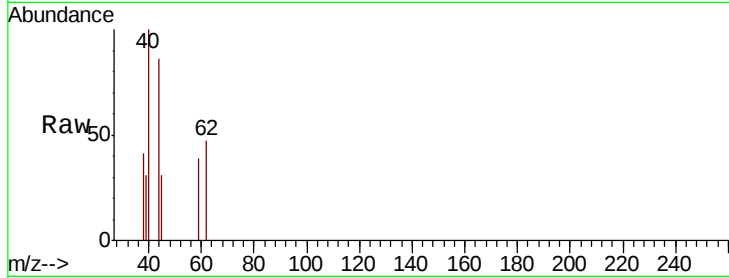


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VD063943.D
 Acq: 11 Oct 2019 18:05

Instrument :
 MSVOA_D
 ClientSampleId :

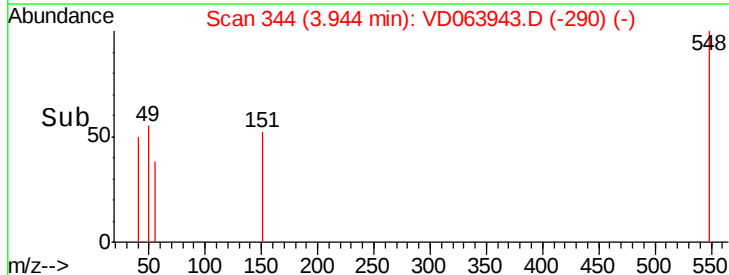
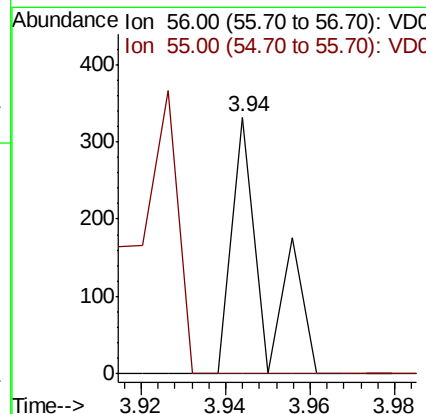
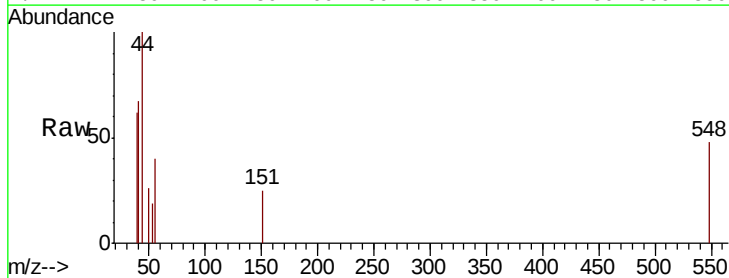
Tot Ion: 59 Resp: 72
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

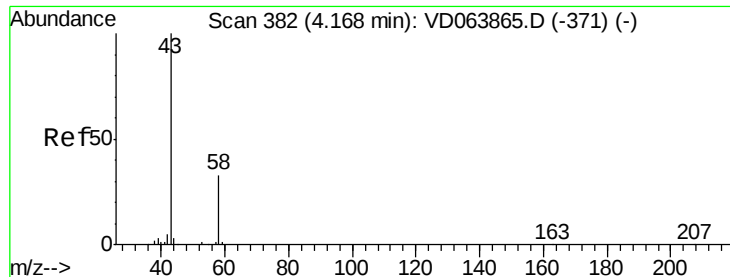


#13

Acrolein
 Concen: 1.375 ug/l
 RT: 3.94 min Scan# 344
 Delta R.T. 0.02 min
 Lab File: VD063943.D
 Acq: 11 Oct 2019 18:05

Tgt Ion: 56 Resp: 179
 Ion Ratio Lower Upper
 56 100
 55 137.4 53.0 79.6#





#16

Acetone

Concen: 1.582 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

Instrument :

MSVOA_D

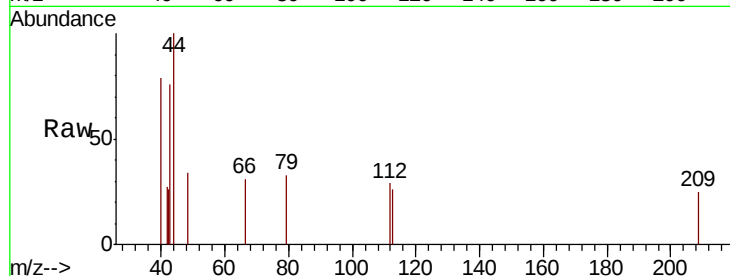
ClientSampleId :

Tot Ion: 43 Resp: 600

Ion Ratio Lower Upper

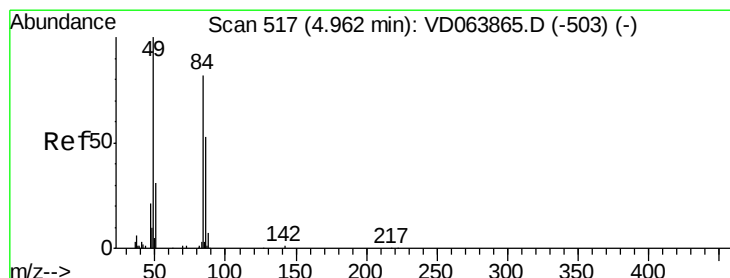
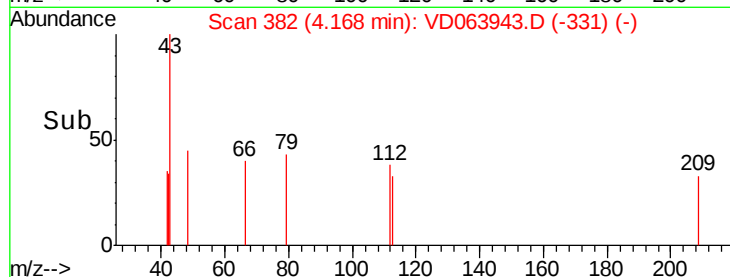
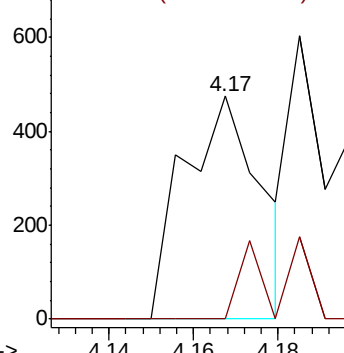
43 100

58 0.0 26.2 39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

Tgt Ion: 84 Resp: 2630

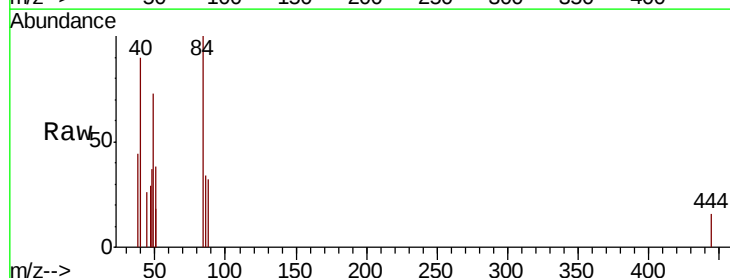
Ion Ratio Lower Upper

84 100

49 73.4 97.3 145.9#

51 38.0 30.1 45.1

86 34.2 51.4 77.2#

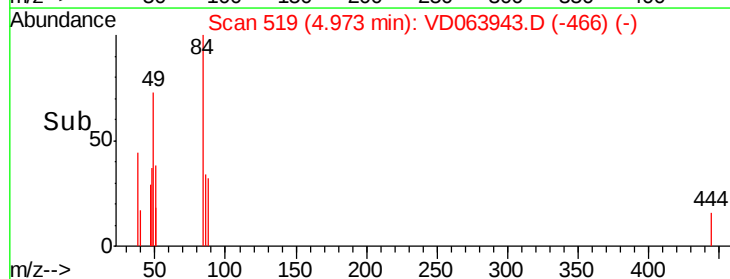
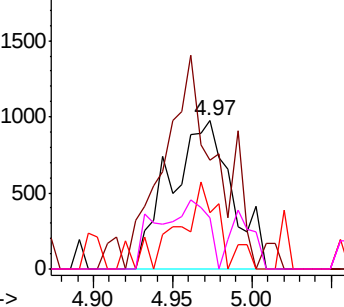


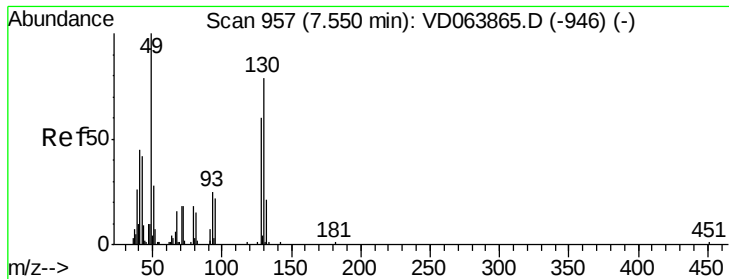
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#28

Bromochloromethane

Concen: 2.005 ug/l

RT: 7.58 min Scan# 962

Delta R.T. 0.03 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

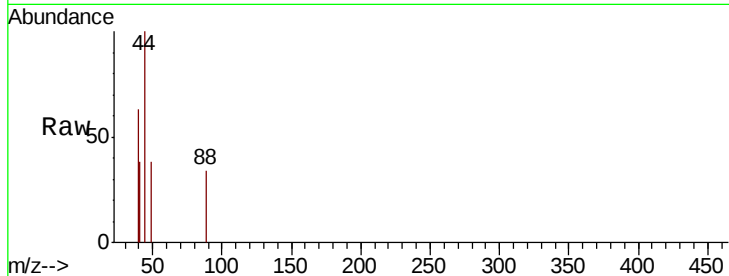
Tot Ion: 49 Resp: 146

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

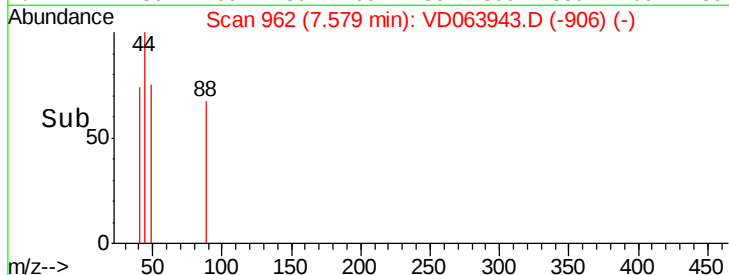
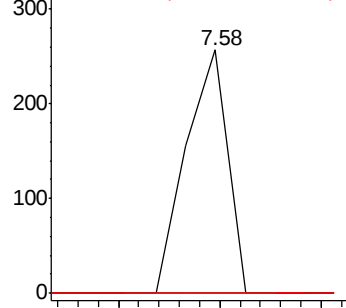
130 0.0 66.8 100.2#



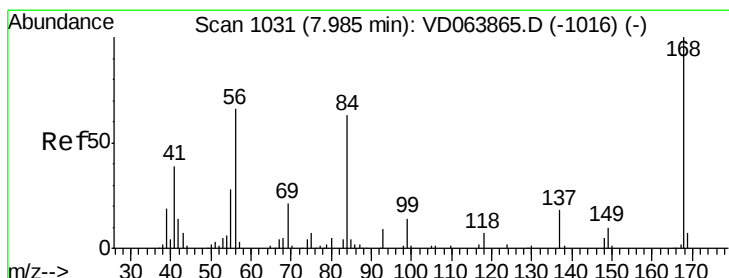
Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

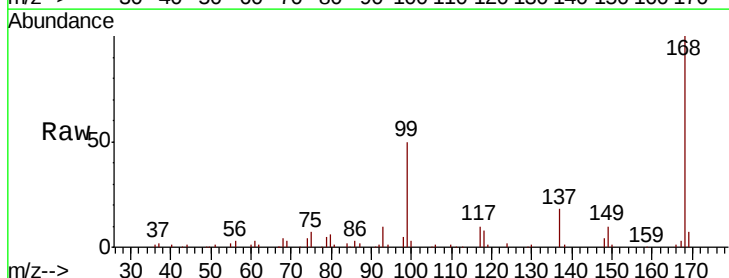
Tgt Ion: 56 Resp: 3693

Ion Ratio Lower Upper

56 100

69 111.4 25.0 37.4#

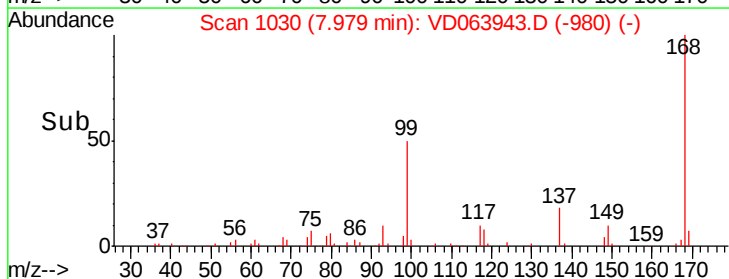
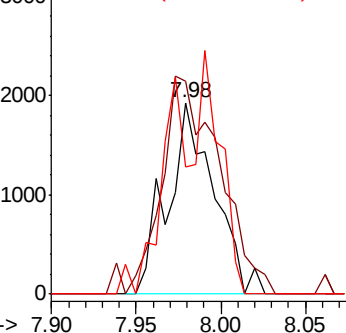
84 75.2 76.3 114.5#

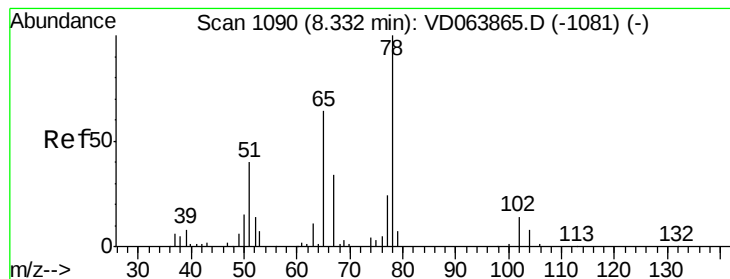


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.546 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

Instrument :

MSVOA_D

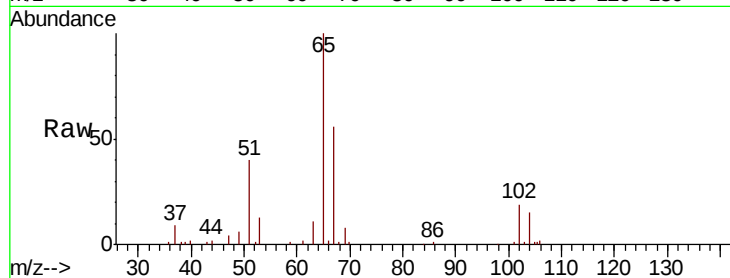
ClientSampleId :

Tot Ion: 65 Resp: 82391

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

8.33

40000

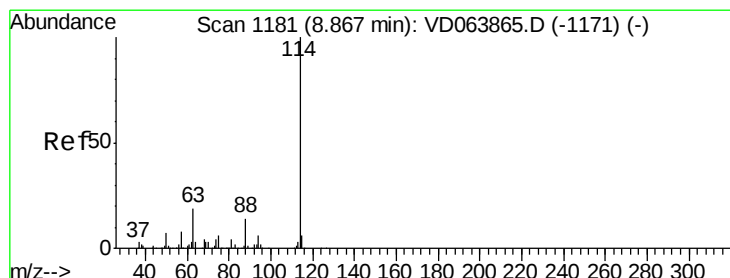
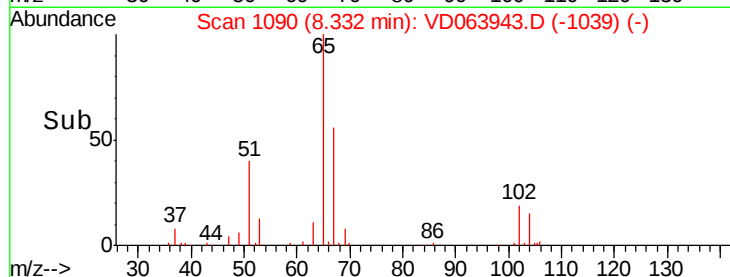
30000

20000

10000

0

Time--> 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

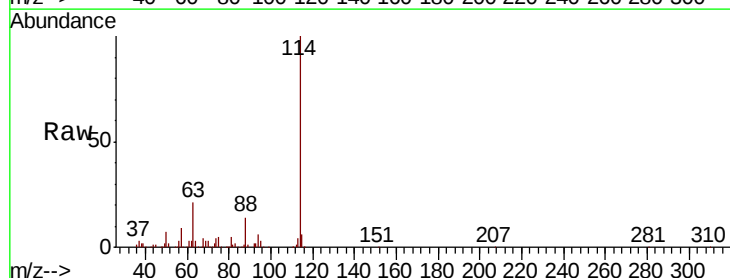
Tgt Ion: 114 Resp: 269186

Ion Ratio Lower Upper

114 100

63 21.1 0.0 38.4

88 13.5 0.0 27.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

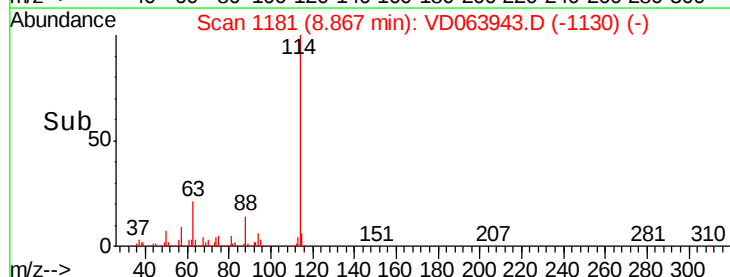
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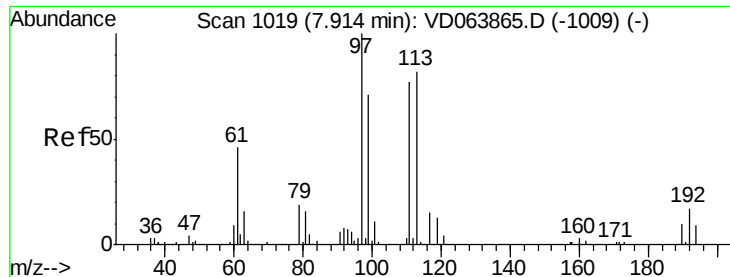
100000

50000

0

Time--> 8.75 8.80 8.85 8.90 8.95

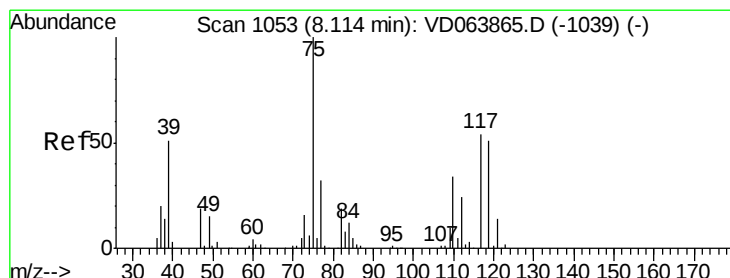
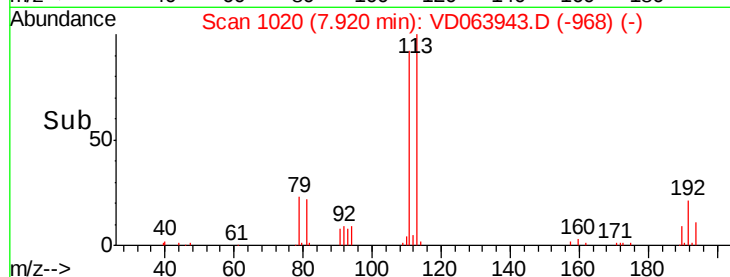
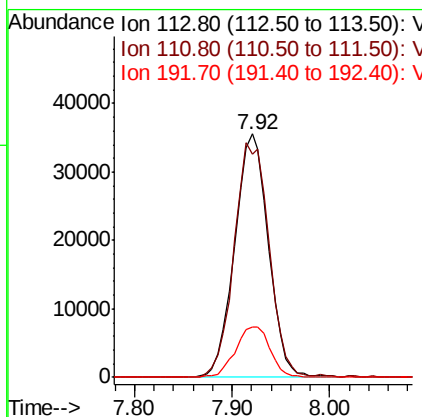
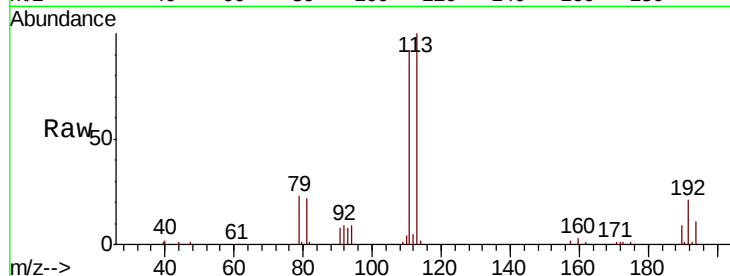




#35
 Dibromofluoromethane
 Concen: 51.930 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063943.D
 Acq: 11 Oct 2019 18:05

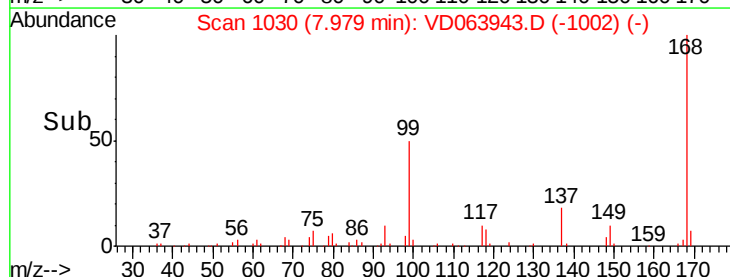
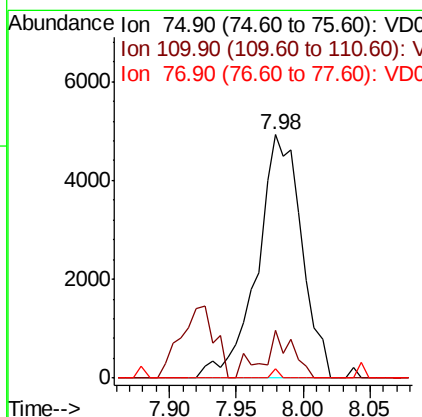
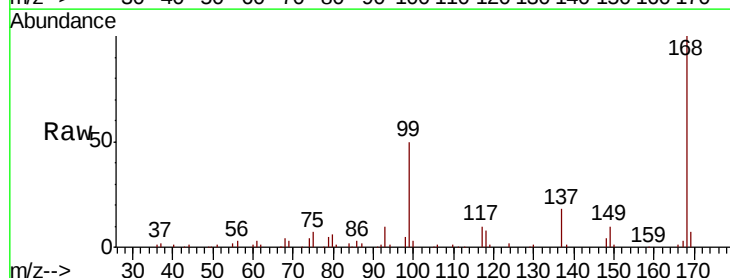
Instrument :
 MSVOA_D
 ClientSampleId :

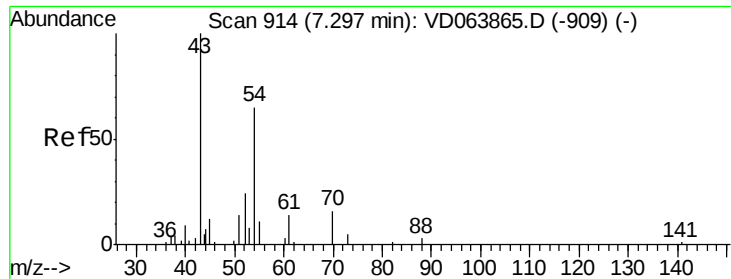
Tot Ion:113 Resp: 85429
 Ion Ratio Lower Upper
 113 100
 111 99.8 82.6 123.8
 192 21.1 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063943.D
 Acq: 11 Oct 2019 18:05

Tgt Ion: 75 Resp: 11329
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.4 52.3#
 77 0.6 25.4 38.0#

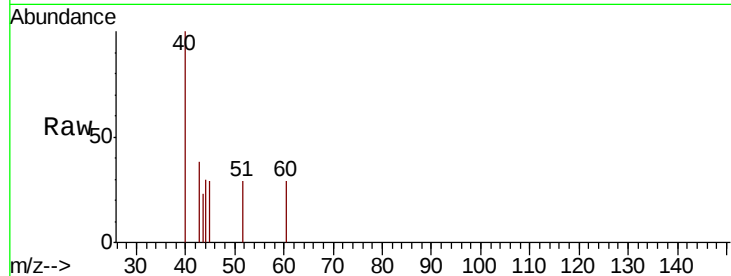




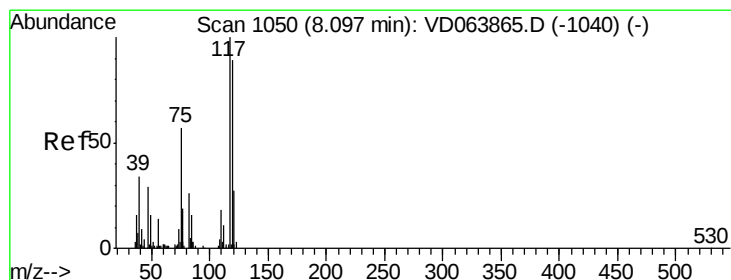
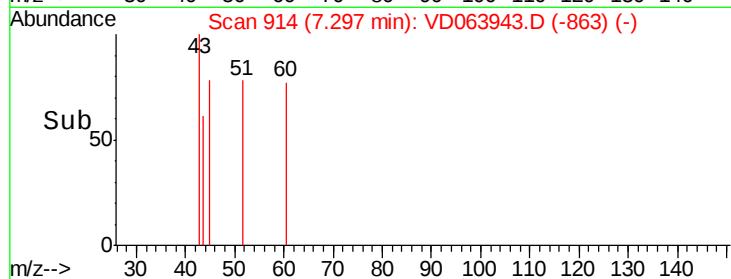
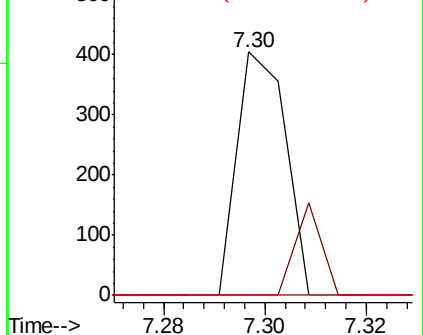
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
61 20.1 11.5 17.3#
70 0.0 8.2 12.4#

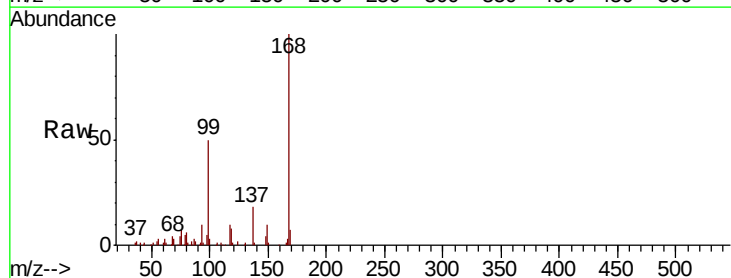


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

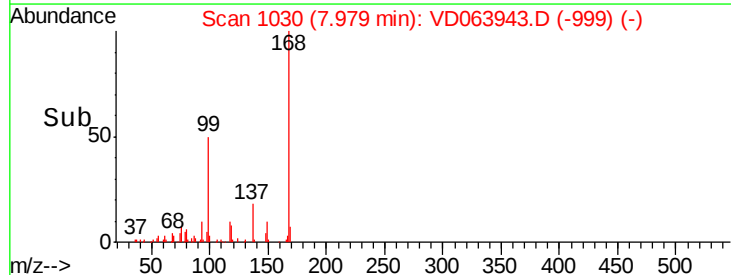
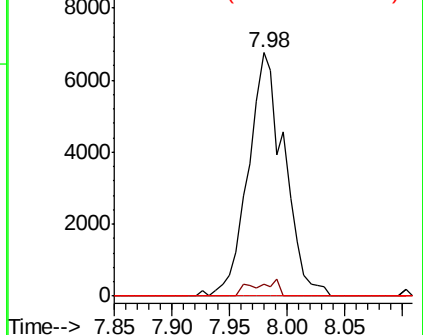


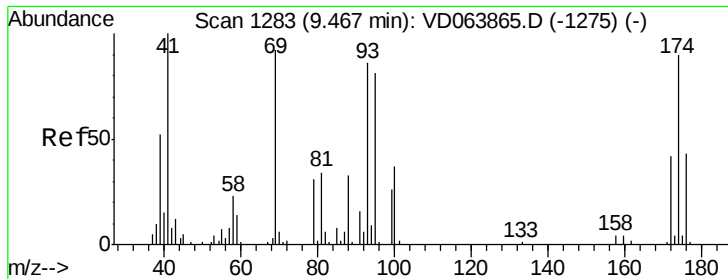
#38
Carbon Tetrachloride
Concen: 5.895 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Tgt Ion: 117 Resp: 14662
Ion Ratio Lower Upper
117 100
119 5.0 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

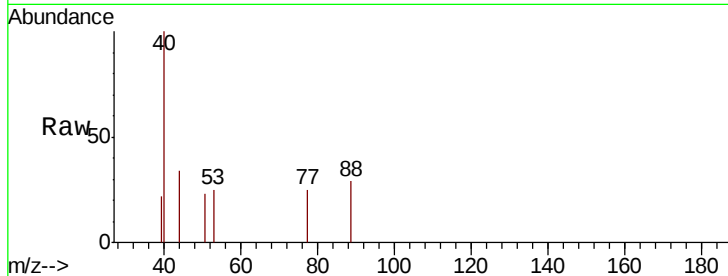




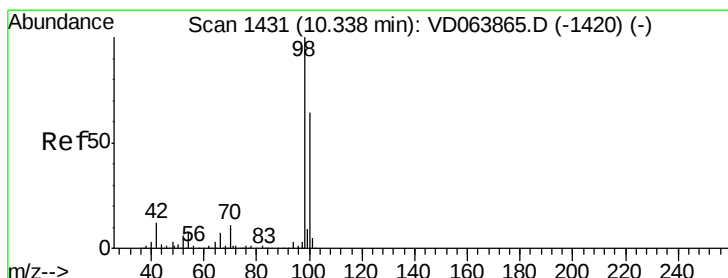
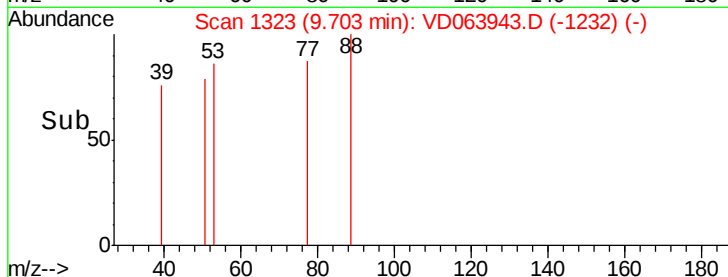
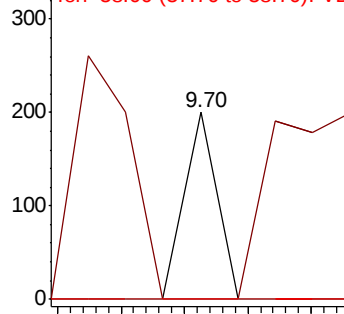
#49
1,4-Dioxane
Concen: 5.290 ug/l
RT: 9.70 min Scan# 1323
Delta R.T. 0.24 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 27.6 41.4#
58 0.0 54.1 81.1#

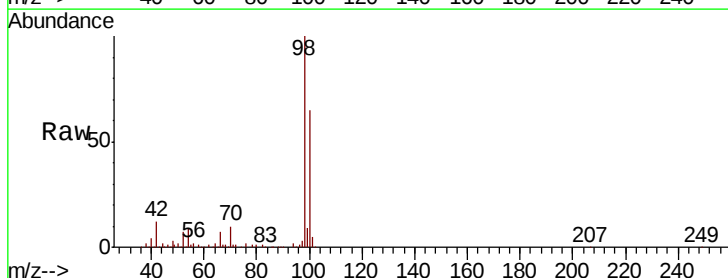


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

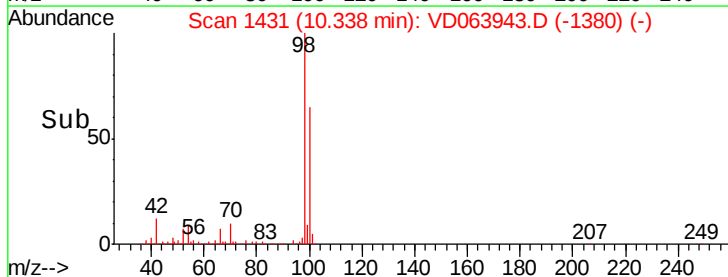
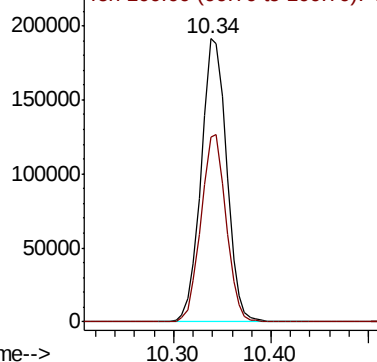


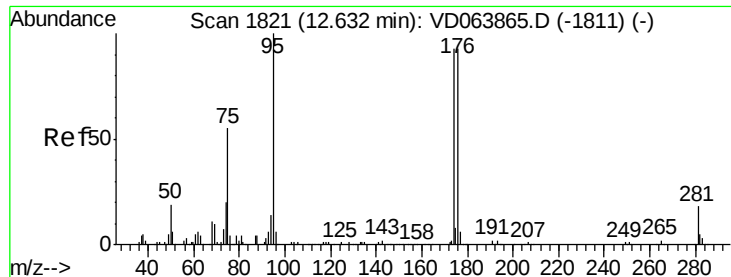
#50
Toluene-d8
Concen: 52.176 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Tgt Ion: 98 Resp: 348388
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



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

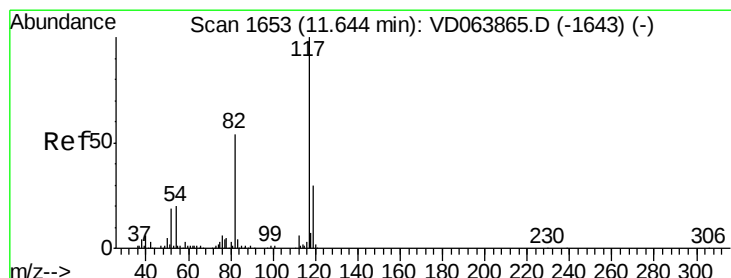
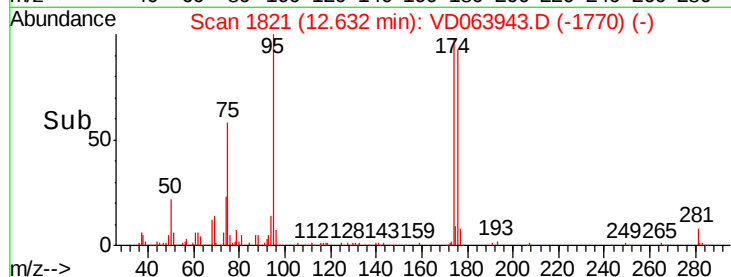
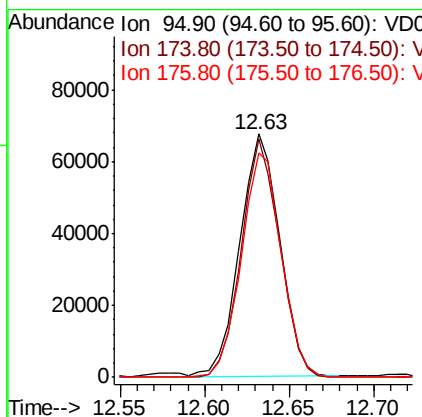
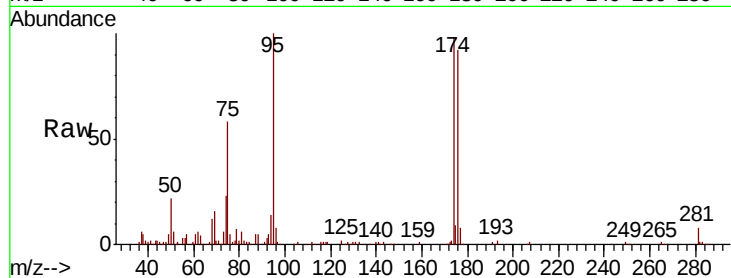




#62
4-Bromofluorobenzene
Concen: 47.593 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

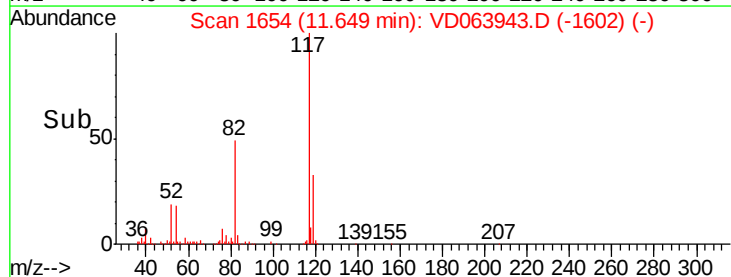
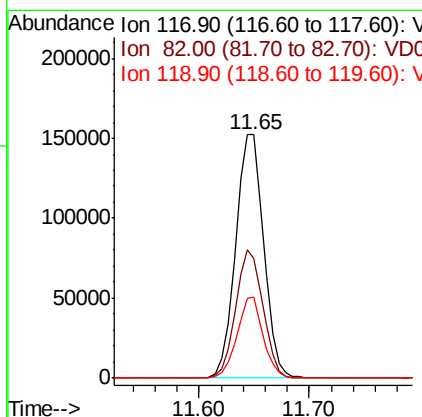
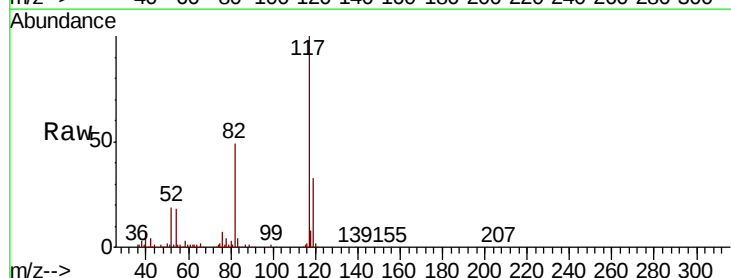
Instrument :
MSVOA_D
ClientSampleId :

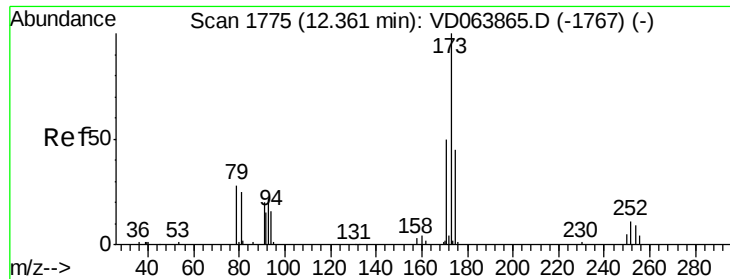
Tot Ion: 95 Resp: 110430
Ion Ratio Lower Upper
95 100
174 94.8 0.0 186.4
176 92.9 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Tgt Ion: 117 Resp: 272380
Ion Ratio Lower Upper
117 100
82 49.1 42.8 64.2
119 33.2 24.4 36.6

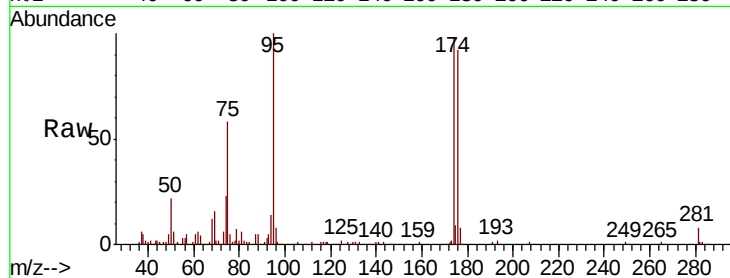




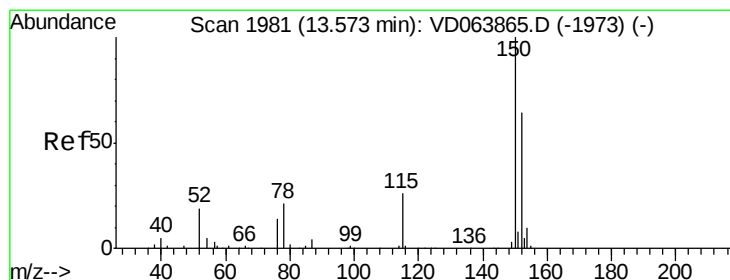
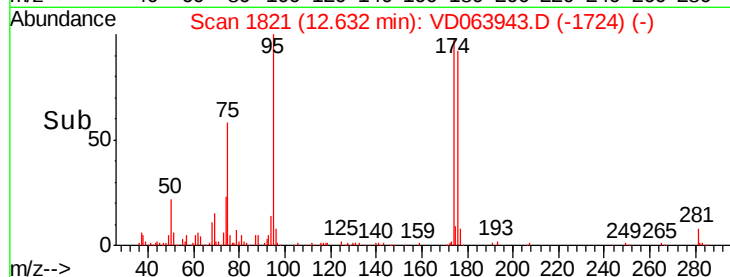
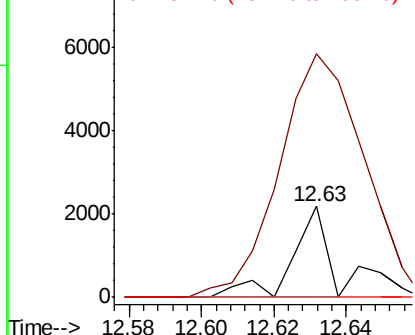
#71
Bromoform
Concen: 1.294 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.27 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 1400
Ion Ratio Lower Upper
173 100
175 506.9 24.6 74.0#
254 0.0 0.0 0.0

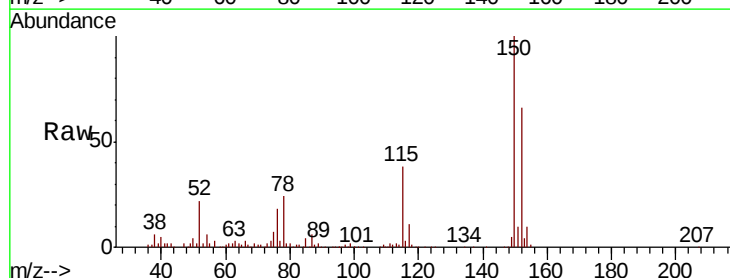


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

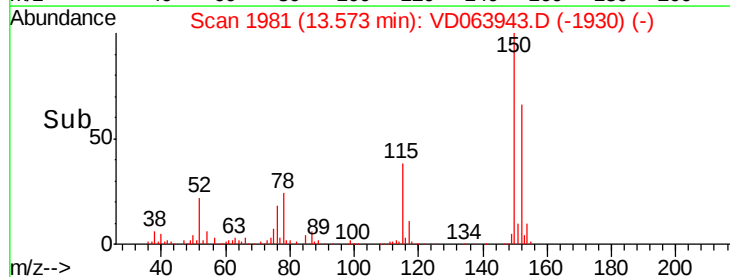
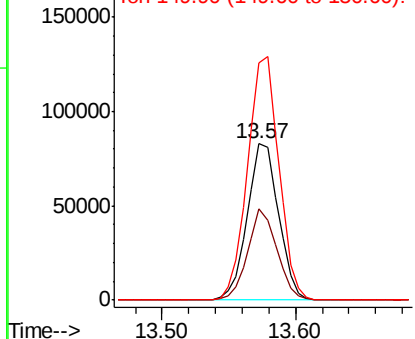


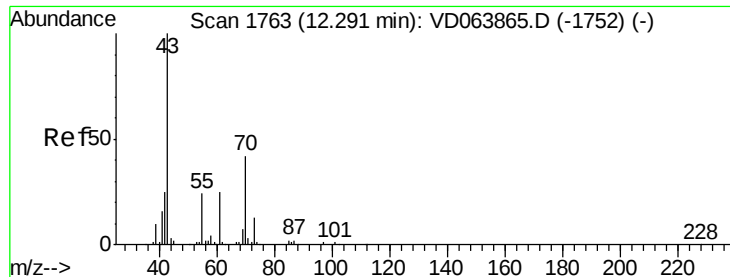
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Tgt Ion:152 Resp: 134169
Ion Ratio Lower Upper
152 100
115 54.3 25.9 77.7
150 155.3 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

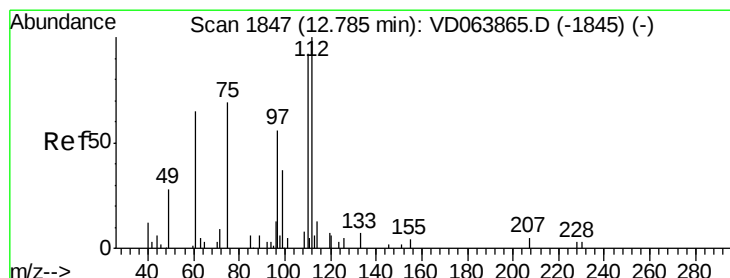
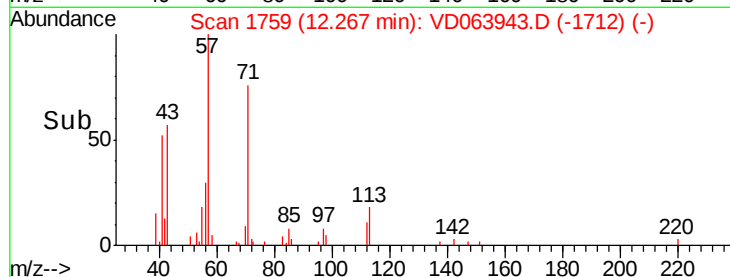
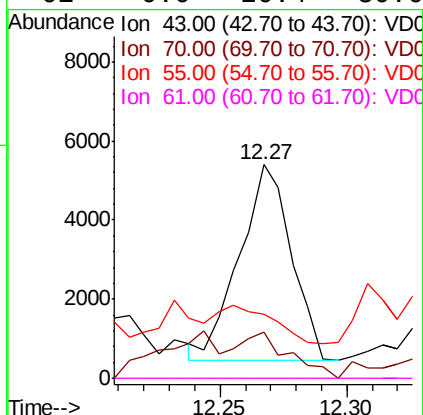
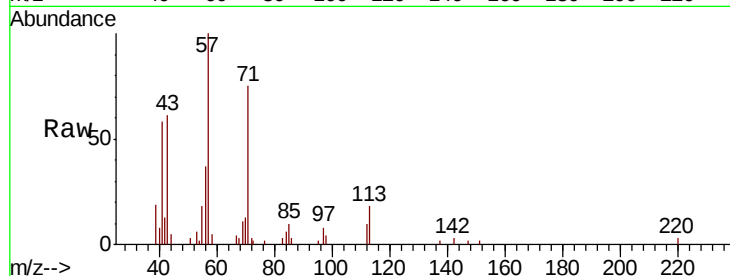




#74
N-amvl acetate
Concen: 3.617 ug/l
RT: 12.27 min Scan# 1759
Delta R.T. -0.02 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

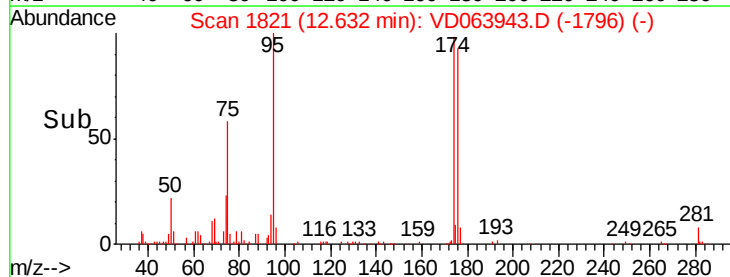
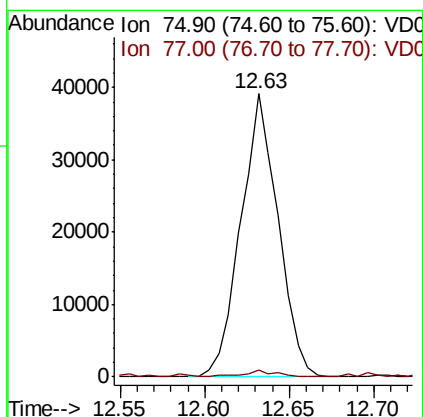
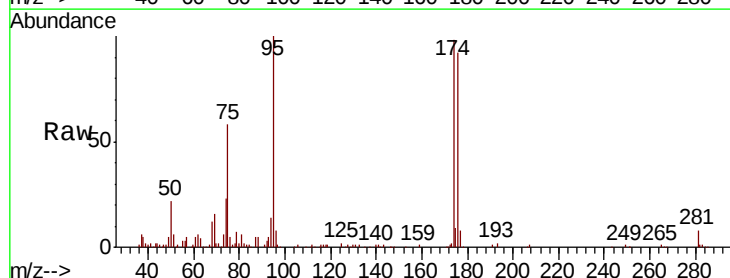
Instrument :
MSVOA_D
ClientSampleId :

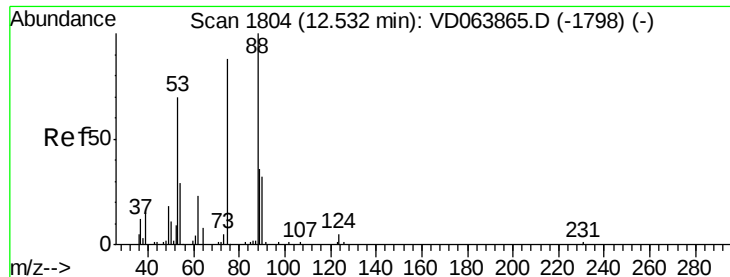
Tot Ion: 43 Resp: 7023
Ion Ratio Lower Upper
43 100
70 20.2 35.8 53.6#
55 25.3 19.4 29.0
61 0.0 20.4 30.6#



#76
1,2,3-Trichloropropane
Concen: 66.776 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.15 min
Lab File: VD063943.D
Acq: 11 Oct 2019 18:05

Tgt Ion: 75 Resp: 60007
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 118.167 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

Instrument :

MSVOA_D

ClientSampleId :

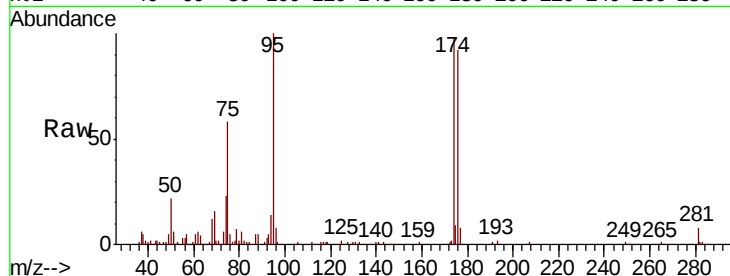
Tot Ion: 75 Resp: 60007

Ion Ratio Lower Upper

75 100

53 1.2 75.0 112.6#

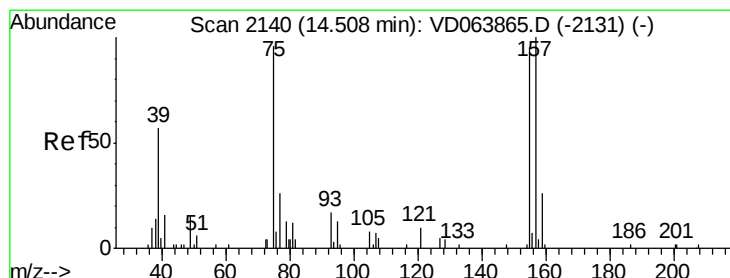
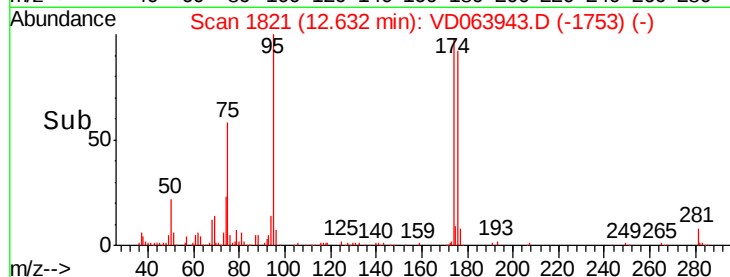
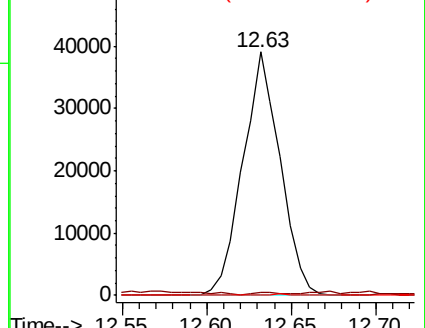
89 0.2 38.2 57.4#



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: 14.63 min Scan# 2160

Delta R.T. 0.12 min

Lab File: VD063943.D

Acq: 11 Oct 2019 18:05

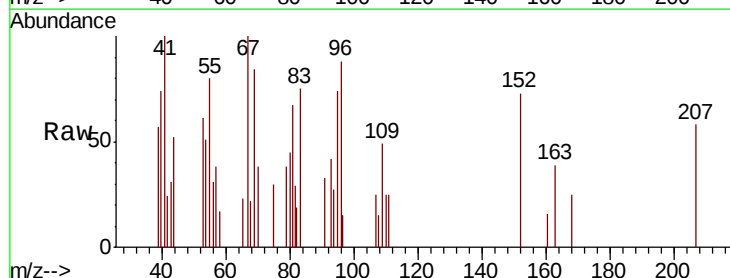
Tgt Ion: 75 Resp: 112

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

