

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101019\
 Data File : VD063923.D
 Acq On : 10 Oct 2019 21:21
 Operator : VA/SY
 Sample : K5298-02
 Misc : 6.04G/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 07:42:24 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	159209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	287776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	135000	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	88326	56.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.96%	
35) Dibromofluoromethane	7.92	113	90196	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.34	98	378264	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.63	95	111603	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	

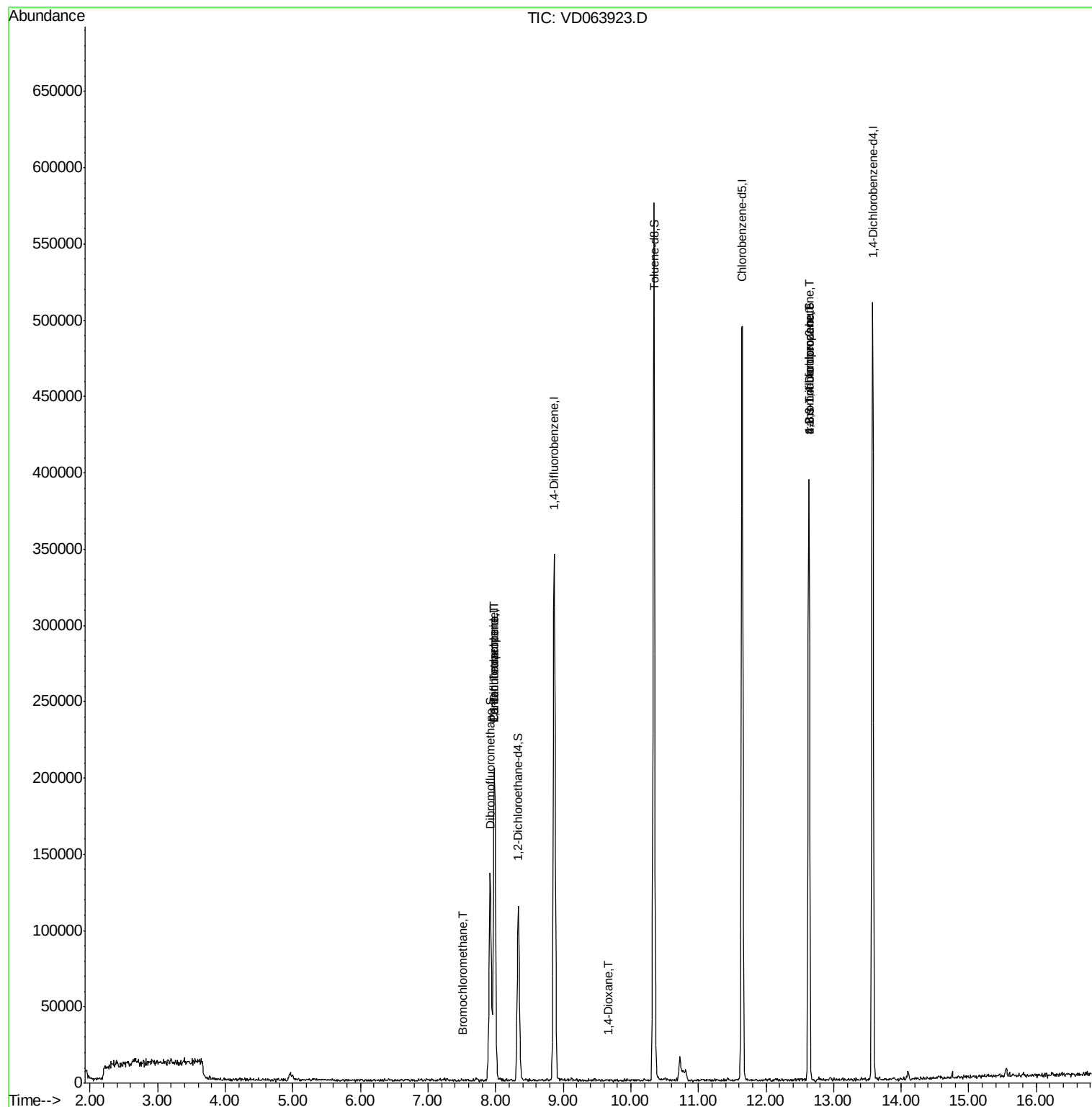
Target Compounds			Qvalue			
3) Chloromethane	2.21	50	487	Below Cal	#	57
11) Tert butyl alcohol	5.27	59	71	Below Cal	#	71
20) Methylene Chloride	4.97	84	3014	Below Cal	#	81
28) Bromochloromethane	7.51	49	58	1.917 ug/l	#	10
31) Cyclohexane	7.98	56	3790	Below Cal	#	54
36) 1,1-Dichloropropene	7.98	75	12275	4.564 ug/l	#	50
37) Ethyl Acetate	7.29	43	121	Below Cal	#	36
38) Carbon Tetrachloride	7.98	117	14251	5.244 ug/l	#	21
49) 1,4-Dioxane	9.66	88	63	4.296 ug/l	#	22
76) 1,2,3-Trichloropropane	12.64	75	64123	70.917 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	64123	125.495 ug/l	#	12
92) 1,2-Dibromo-3-Chloropropan	14.47	75	78	Below Cal	#	1

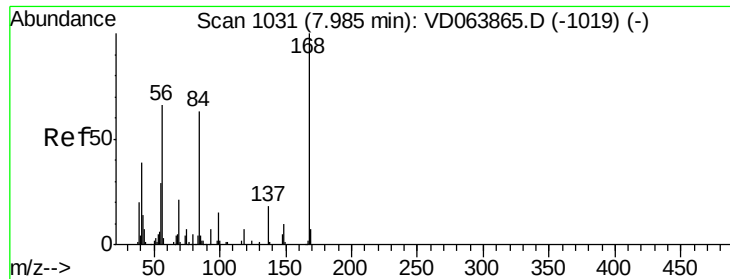
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063923.D

Acq: 10 Oct 2019 21:21

Instrument :

MSVOA_D

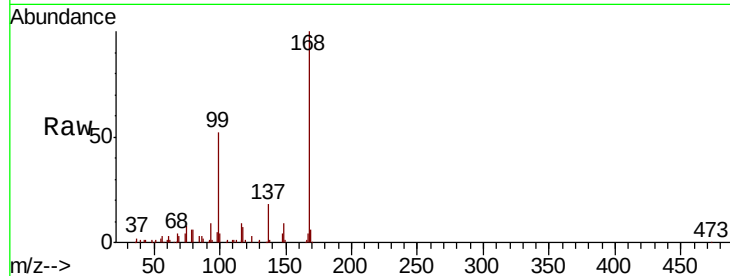
ClientSampleId :

Tot Ion:168 Resp: 159209

Ion Ratio Lower Upper

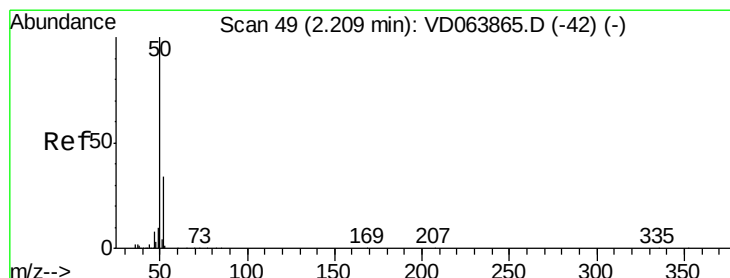
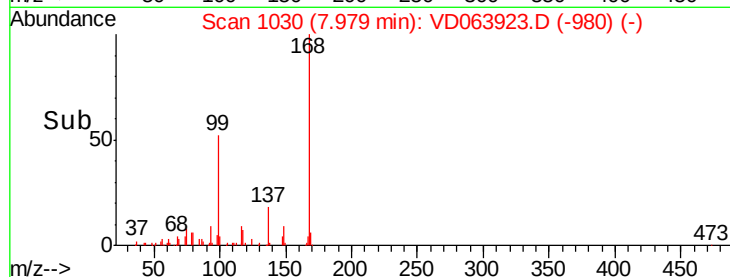
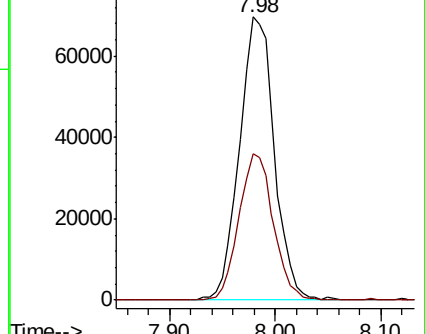
168 100

99 51.9 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: VD063923.D

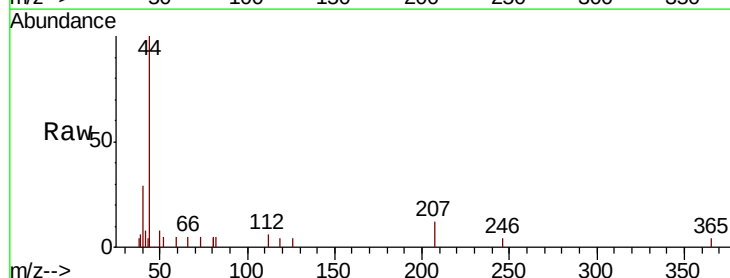
Acq: 10 Oct 2019 21:21

Tgt Ion: 50 Resp: 487

Ion Ratio Lower Upper

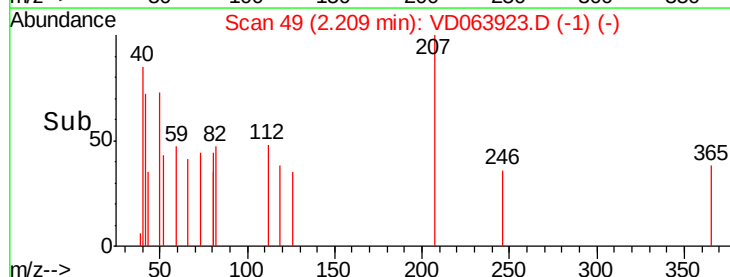
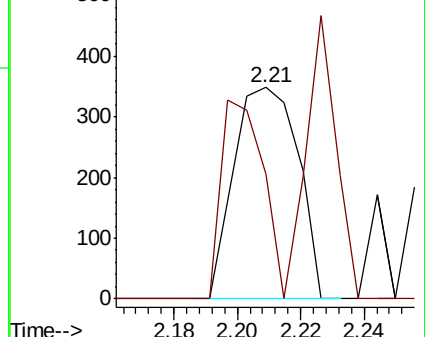
50 100

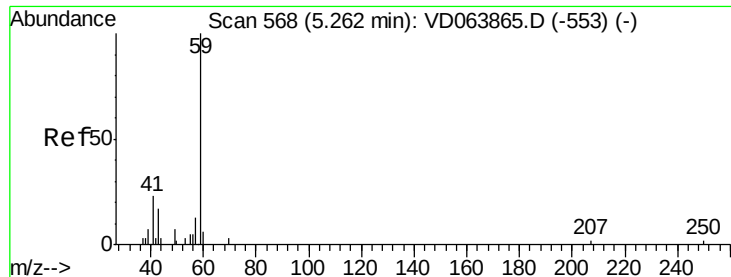
52 59.2 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



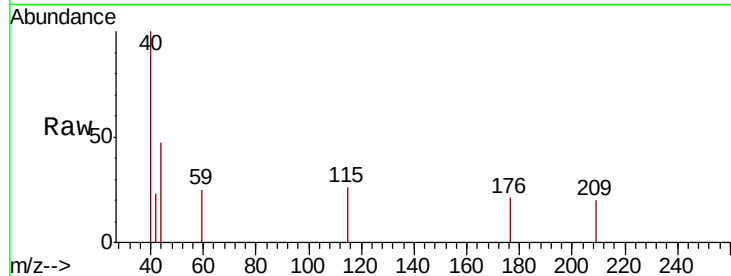


#11

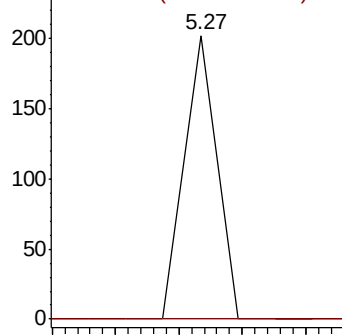
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

Instrument :
 MSVOA_D
 ClientSampleId :

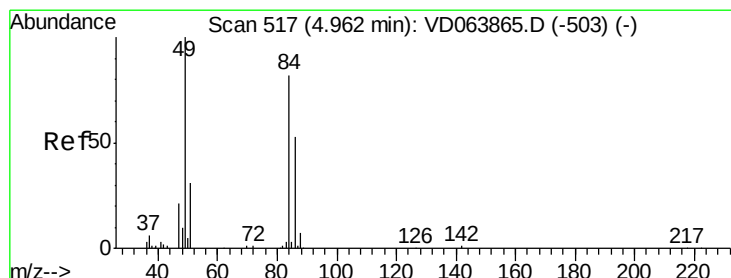
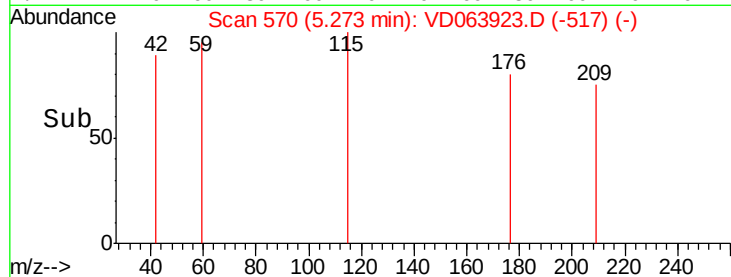
Tot Ion: 59 Resp: 71
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



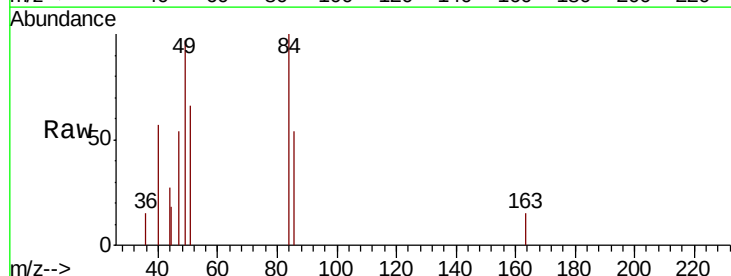
Time--> 5.25 5.26 5.27 5.28 5.29



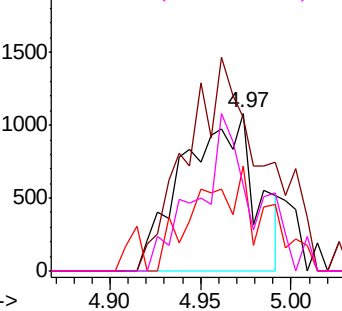
#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

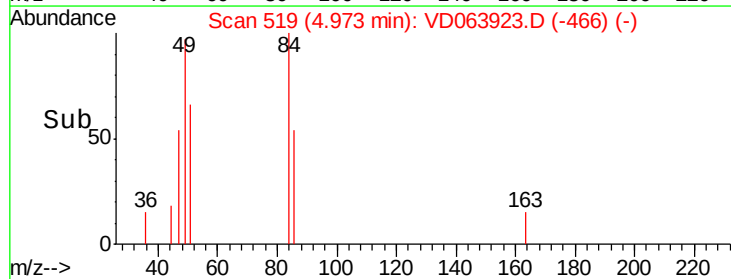
Tgt Ion: 84 Resp: 3014
 Ion Ratio Lower Upper
 84 100
 49 97.0 97.3 145.9#
 51 50.4 30.1 45.1#
 86 54.3 51.4 77.2

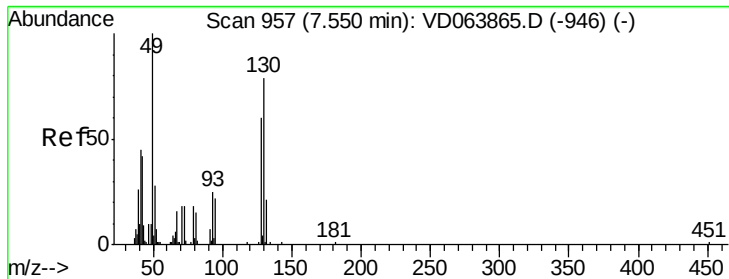


Abundance Ion 83.90 (83.60 to 84.60): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC



Time--> 4.90 4.95 5.00





#28

Bromochloromethane

Concen: 1.917 ug/l

RT: 7.51 min Scan# 950

Delta R.T. -0.04 min

Lab File: VD063923.D

Acq: 10 Oct 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

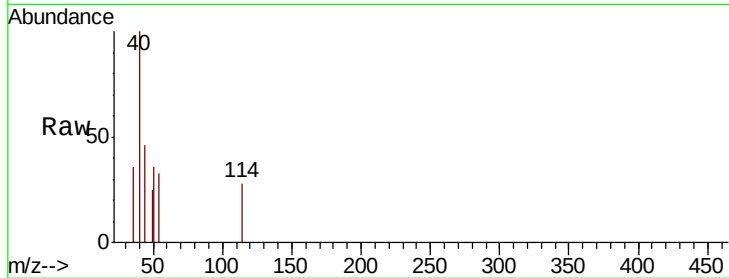
Tot Ion: 49 Resp: 58

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

7.51

150

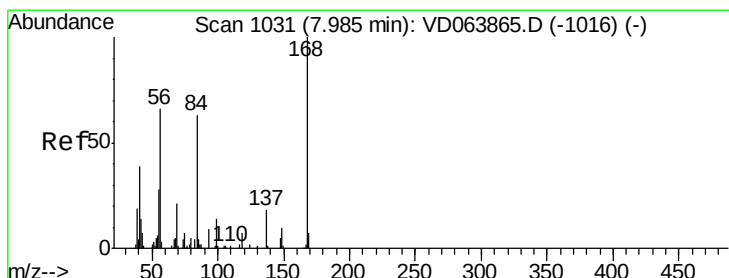
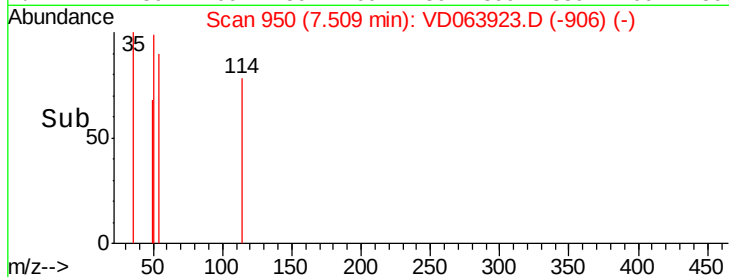
100

50

0

7.49 7.50 7.51 7.52

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063923.D

Acq: 10 Oct 2019 21:21

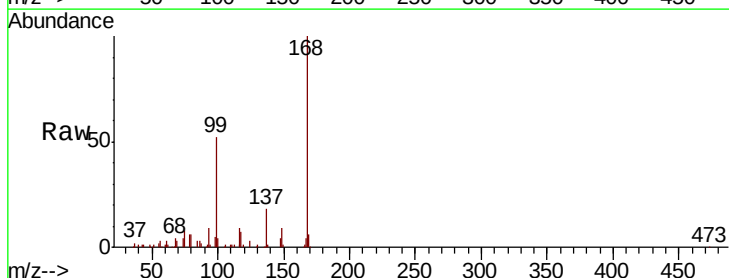
Tgt Ion: 56 Resp: 3790

Ion Ratio Lower Upper

56 100

69 115.8 25.0 37.4#

84 105.9 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

7.98

3000

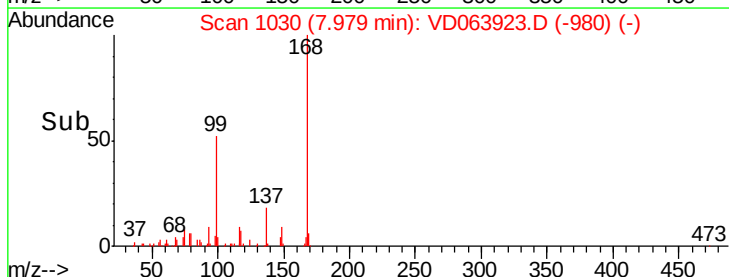
2000

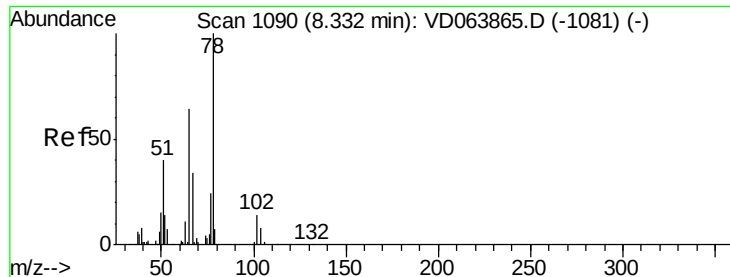
1000

0

7.95 8.00 8.05

Time-->

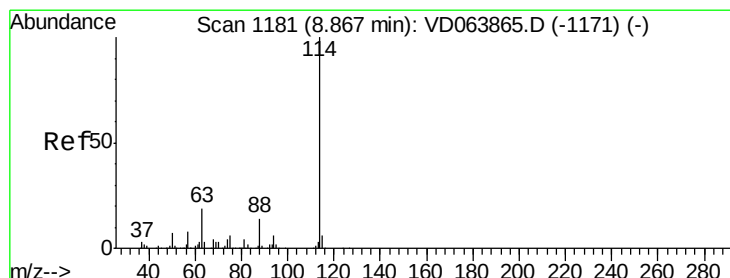
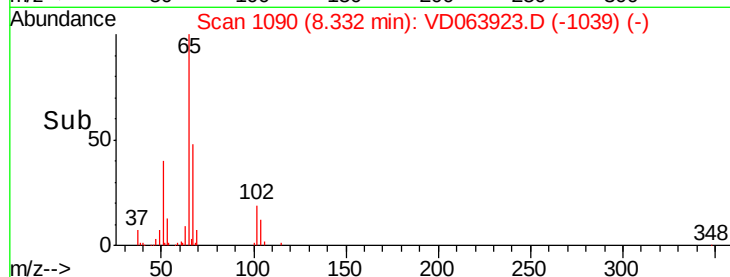
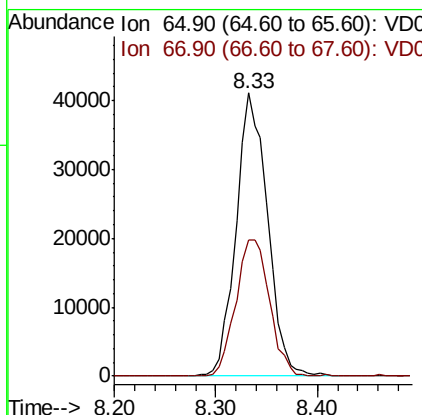
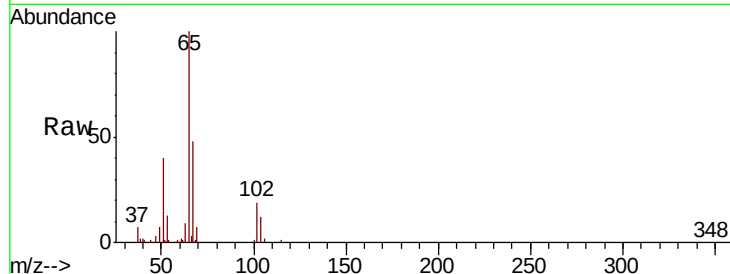




#33
 1,2-Dichloroethane-d4
 Concen: 56.984 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

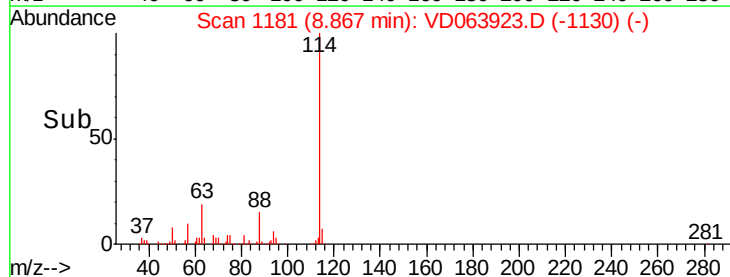
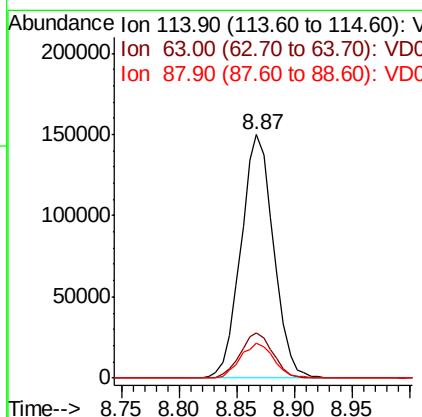
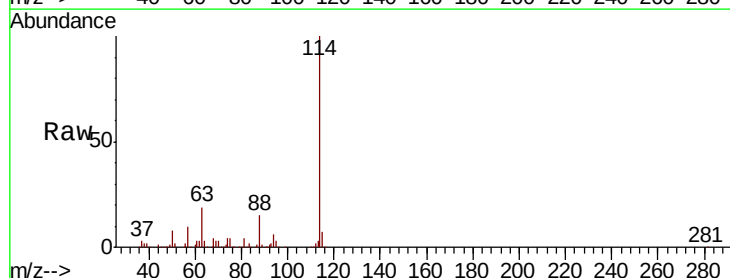
Instrument :
 MSVOA_D
 ClientSampleId :

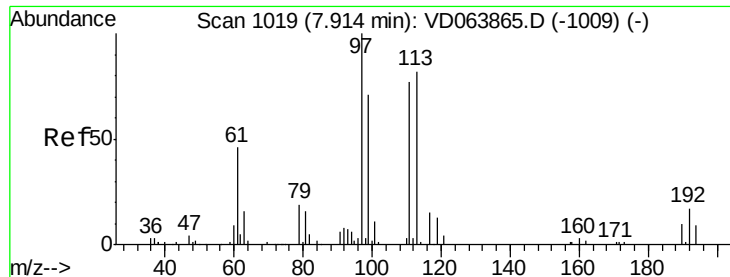
Tot Ion: 65 Resp: 88326
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

Tgt Ion: 114 Resp: 294136
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 14.5 0.0 27.4

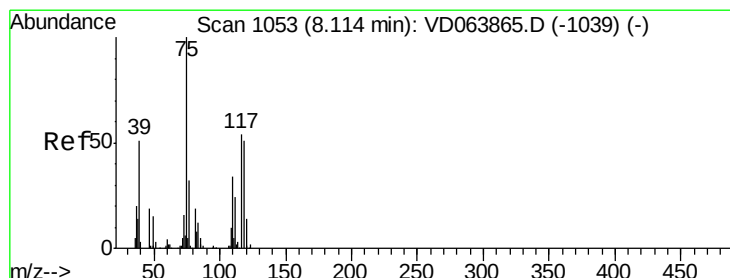
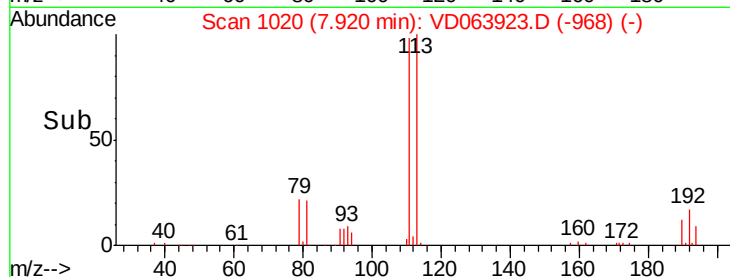
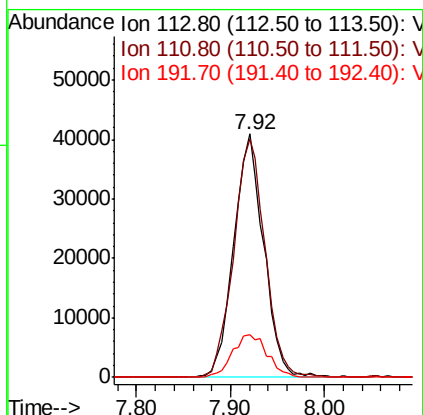
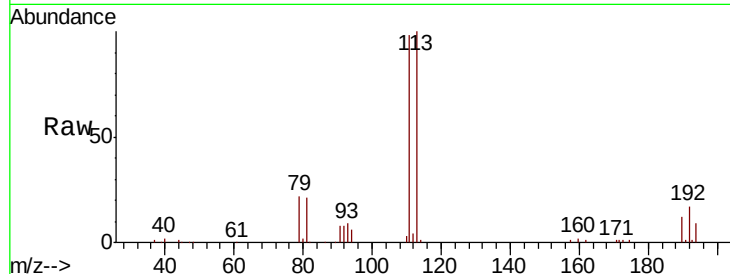




#35
 Dibromofluoromethane
 Concen: 50.177 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

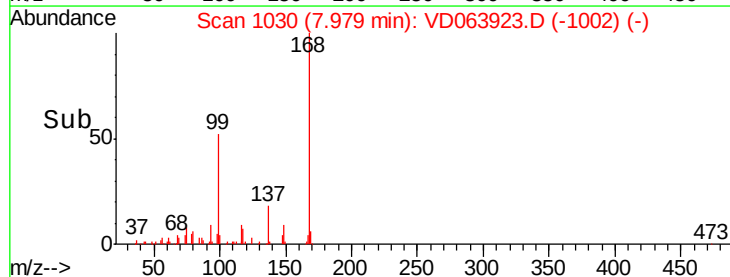
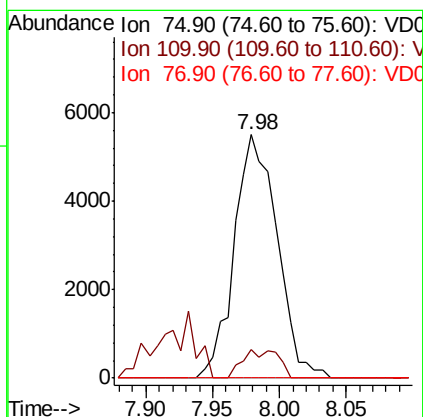
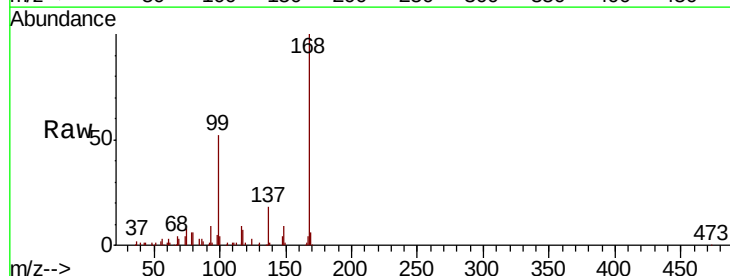
Instrument :
 MSVOA_D
 ClientSampleId :

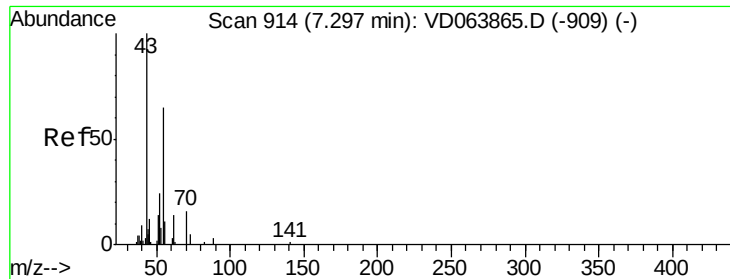
Tot Ion:113 Resp: 90196
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.6 123.8
 192 20.4 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.564 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

Tgt Ion: 75 Resp: 12275
 Ion Ratio Lower Upper
 75 100
 110 9.8 17.4 52.3#
 77 0.0 25.4 38.0#

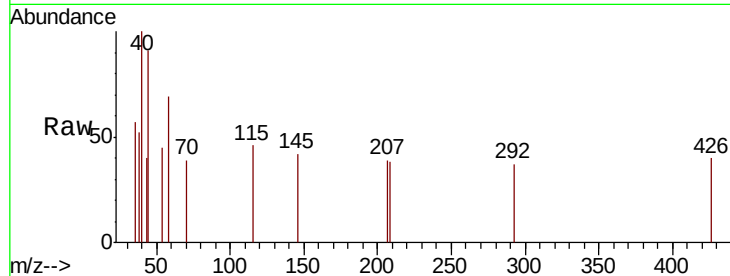




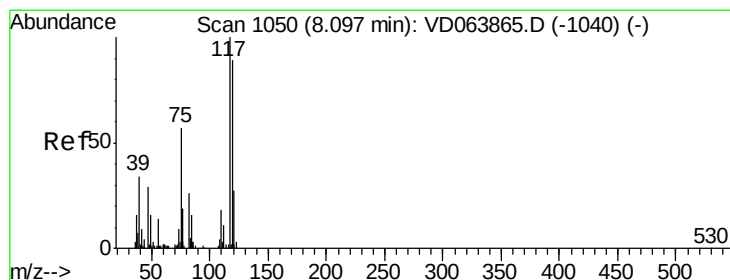
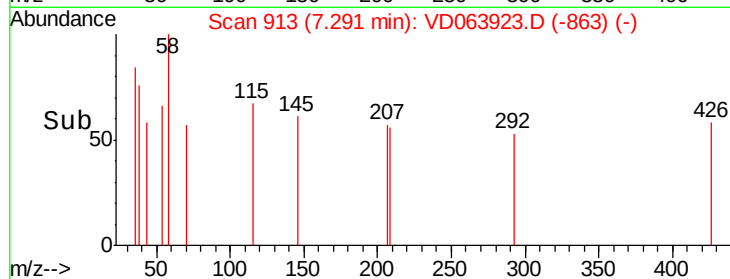
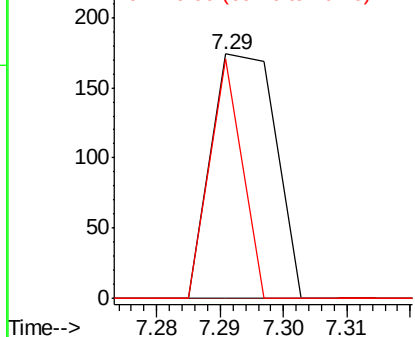
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063923.D
Acq: 10 Oct 2019 21:21

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 49.6 8.2 12.4#

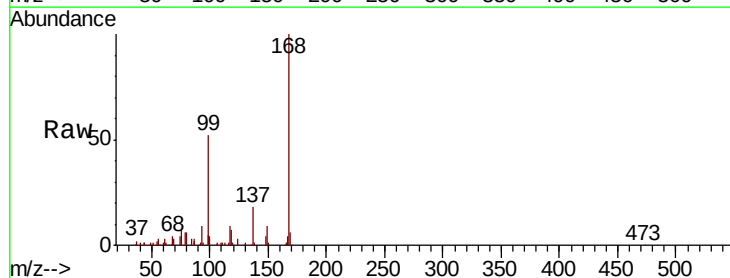


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

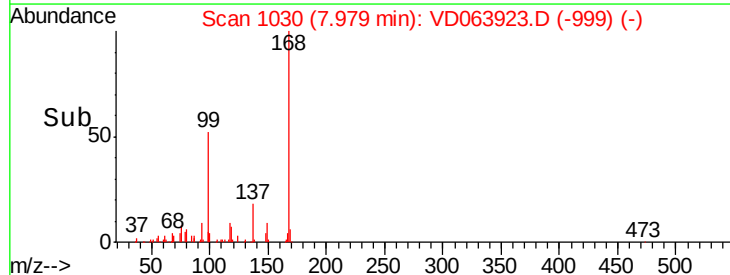
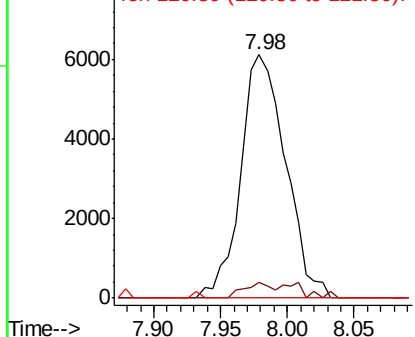


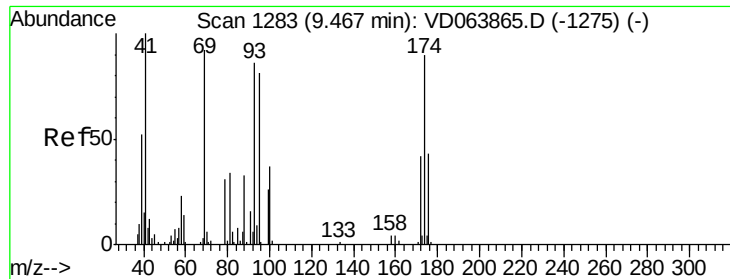
#38
Carbon Tetrachloride
Concen: 5.244 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD063923.D
Acq: 10 Oct 2019 21:21

Tgt Ion: 117 Resp: 14251
Ion Ratio Lower Upper
117 100
119 6.7 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

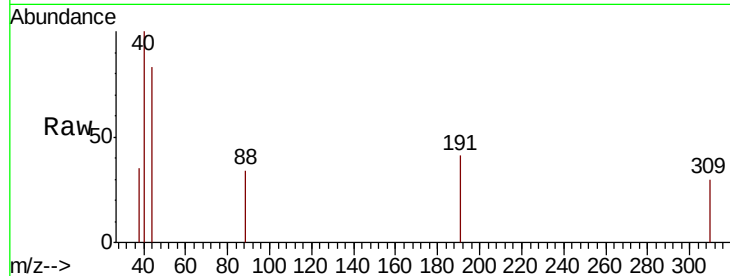




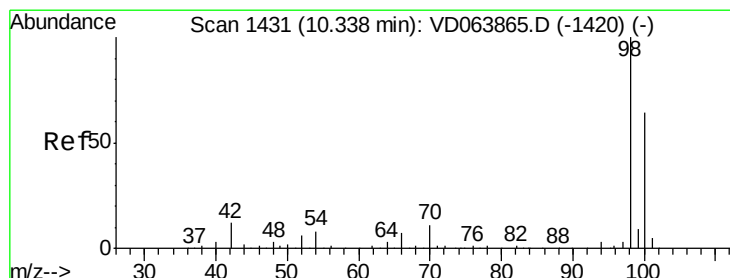
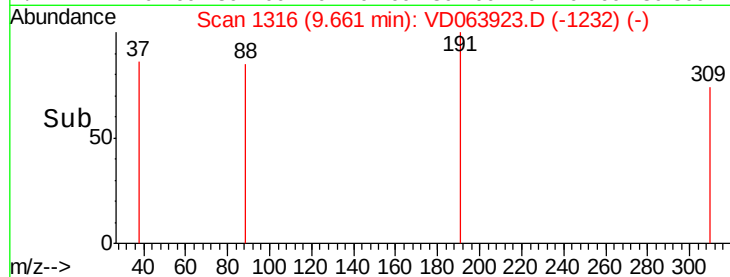
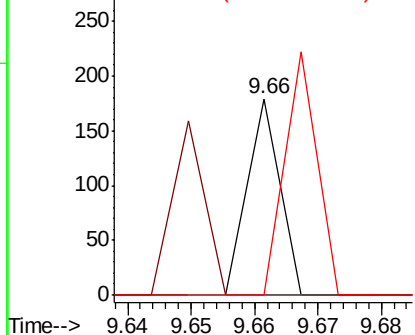
#49
 1,4-Dioxane
 Concen: 4.296 ug/l
 RT: 9.66 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 63
 Ion Ratio Lower Upper
 88 100
 43 88.9 27.6 41.4#
 58 123.8 54.1 81.1#

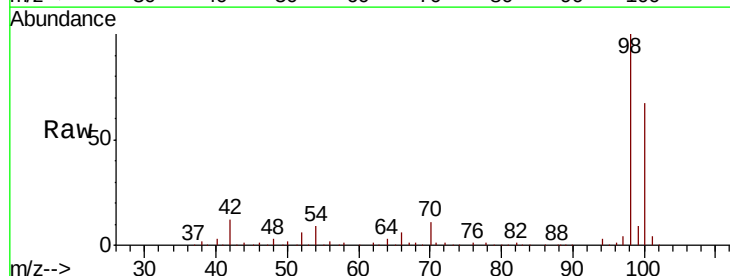


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

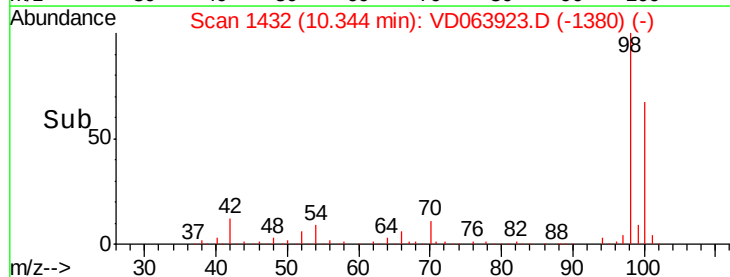
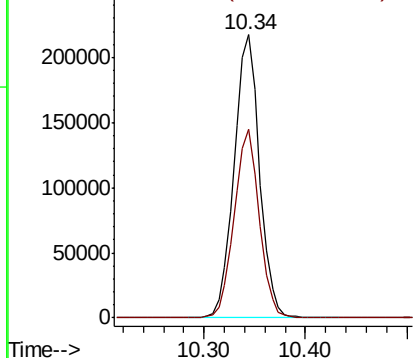


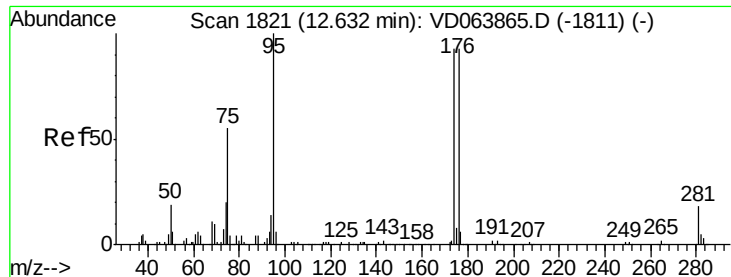
#50
 Toluene-d8
 Concen: 51.845 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VD063923.D
 Acq: 10 Oct 2019 21:21

Tgt Ion: 98 Resp: 378264
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.1 78.1



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

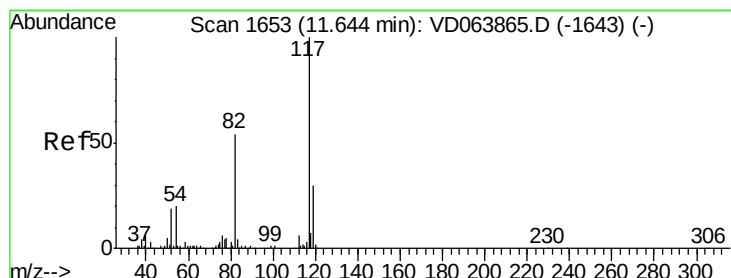
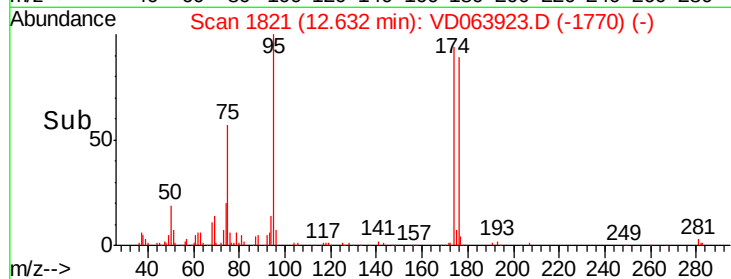
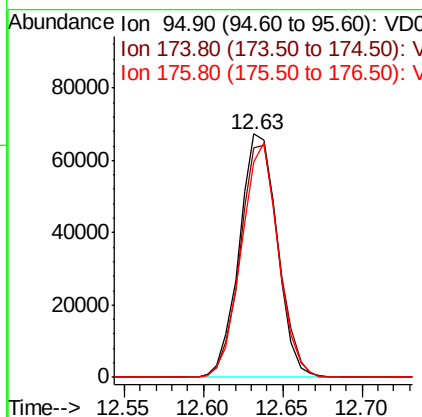
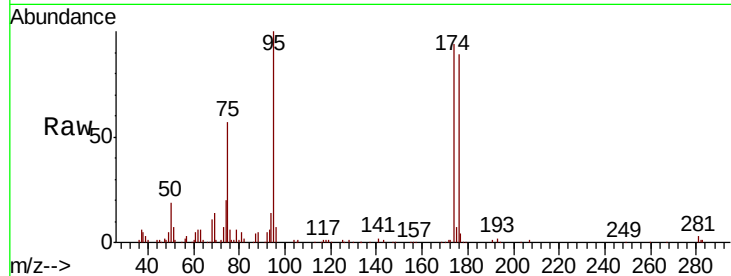




#62
4-Bromofluorobenzene
Concen: 44.019 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD063923.D
Acq: 10 Oct 2019 21:21

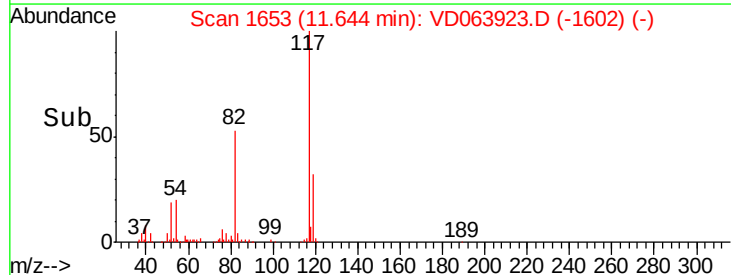
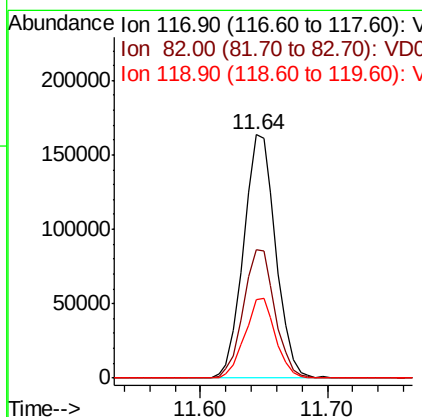
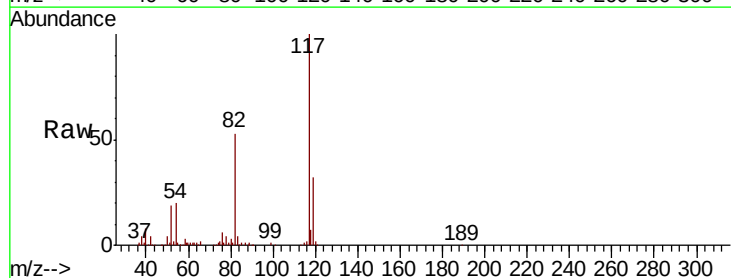
Instrument :
MSVOA_D
ClientSampleId :

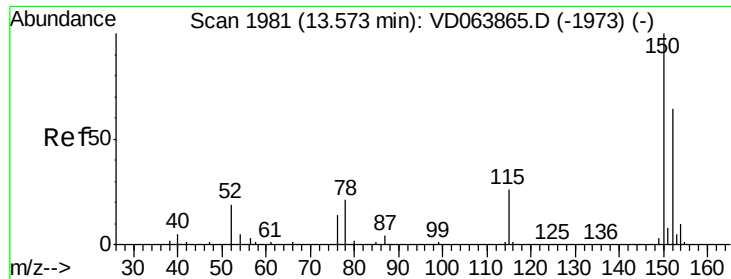
Tot Ion: 95 Resp: 111603
Ion Ratio Lower Upper
95 100
174 97.4 0.0 186.4
176 93.7 0.0 184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063923.D
Acq: 10 Oct 2019 21:21

Tgt Ion: 117 Resp: 287776
Ion Ratio Lower Upper
117 100
82 53.0 42.8 64.2
119 32.1 24.4 36.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063923.D

Acq: 10 Oct 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

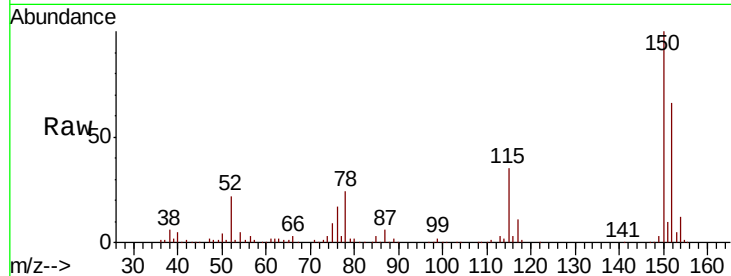
Tot Ion:152 Resp: 135000

Ion Ratio Lower Upper

152 100

115 55.1 25.9 77.7

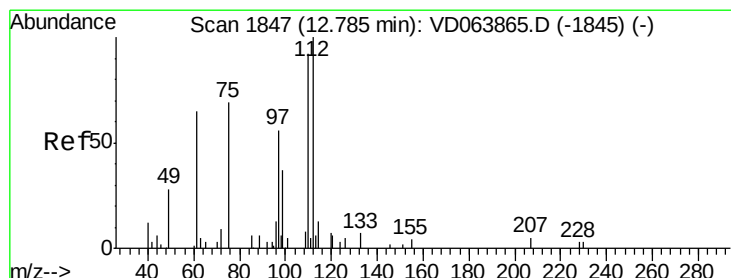
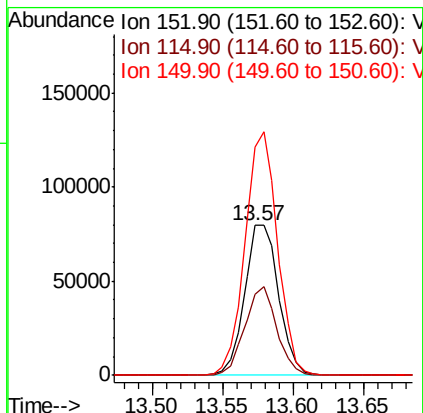
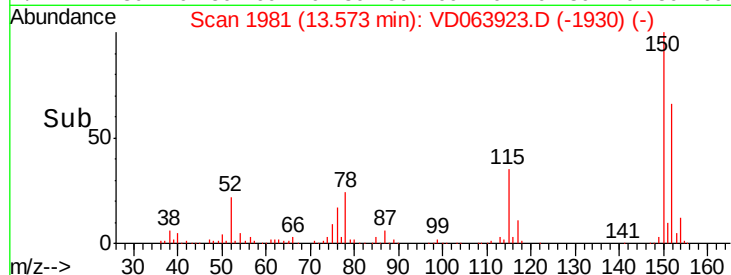
150 154.5 0.0 344.2



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: 70.917 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063923.D

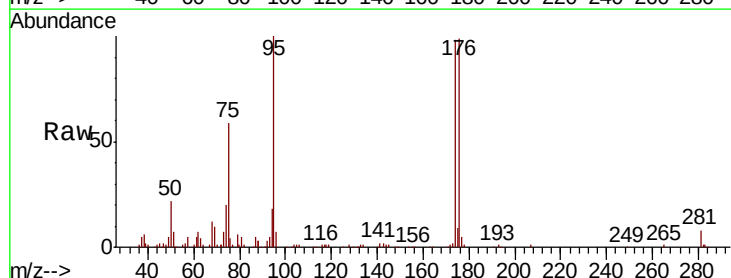
Acq: 10 Oct 2019 21:21

Tgt Ion: 75 Resp: 64123

Ion Ratio Lower Upper

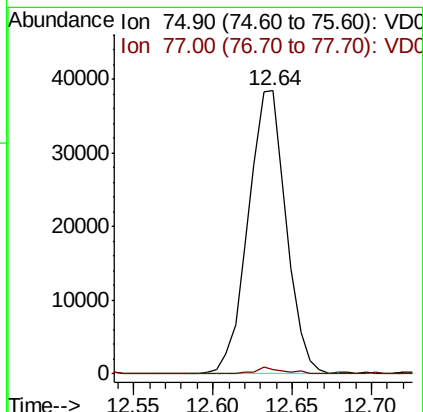
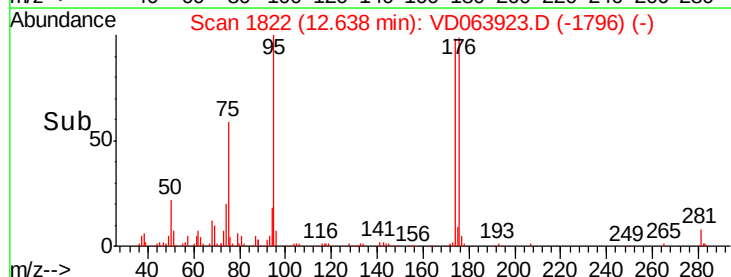
75 100

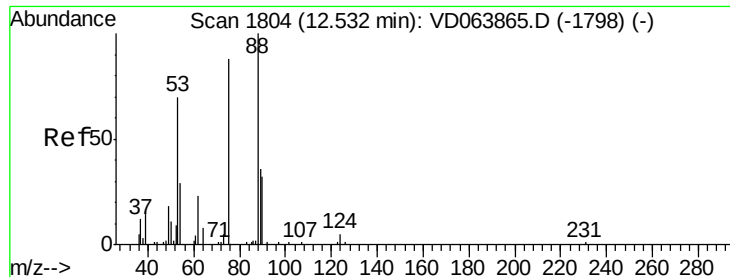
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 125.495 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063923.D

Acq: 10 Oct 2019 21:21

Instrument :

MSVOA_D

ClientSampleId :

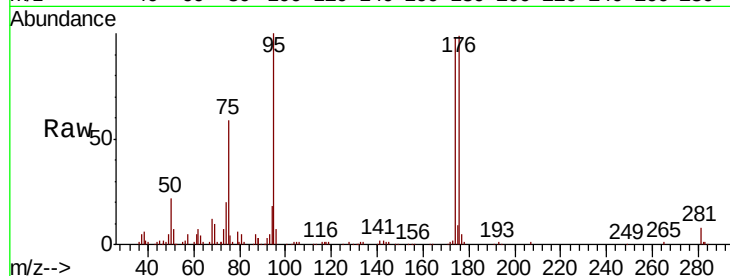
Tot Ion: 75 Resp: 64123

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

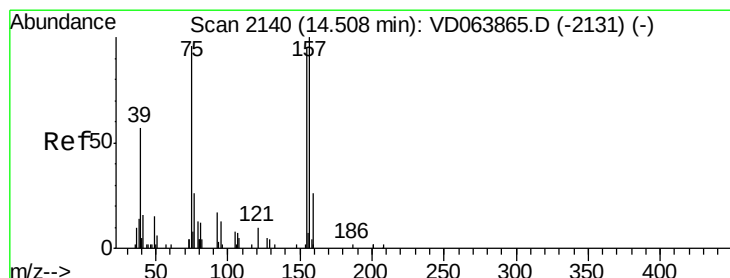
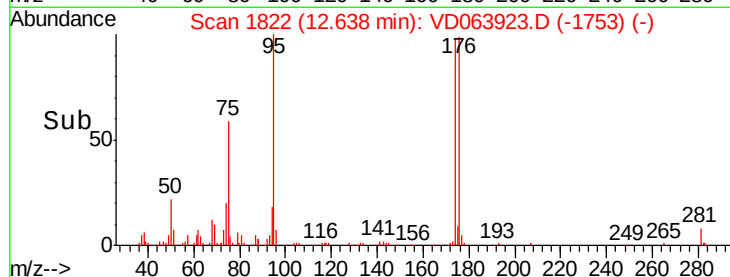
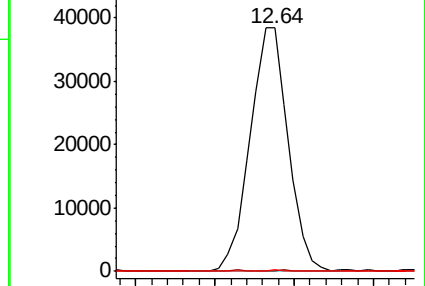
89 0.1 38.2 57.4#



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: 14.47 min Scan# 2134

Delta R.T. -0.04 min

Lab File: VD063923.D

Acq: 10 Oct 2019 21:21

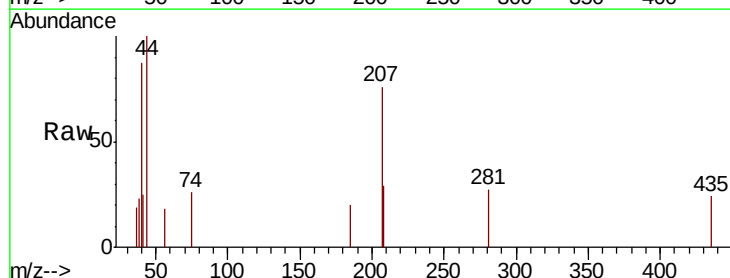
Tgt Ion: 75 Resp: 78

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

