

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064021.D
 Acq On : 23 Oct 2019 15:22
 Operator : VA/SY
 Sample : K5497-02
 Misc : 7.68G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 24 05:58:14 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	68095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	124830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	131495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	66949	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	51239	77.29	ug/l	0.00
Spiked Amount			Recovery	=	154.58%	
35) Dibromofluoromethane	7.92	113	44135	57.85	ug/l	0.00
Spiked Amount			Recovery	=	115.70%	
50) Toluene-d8	10.34	98	163886	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
62) 4-Bromofluorobenzene	12.64	95	54302	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

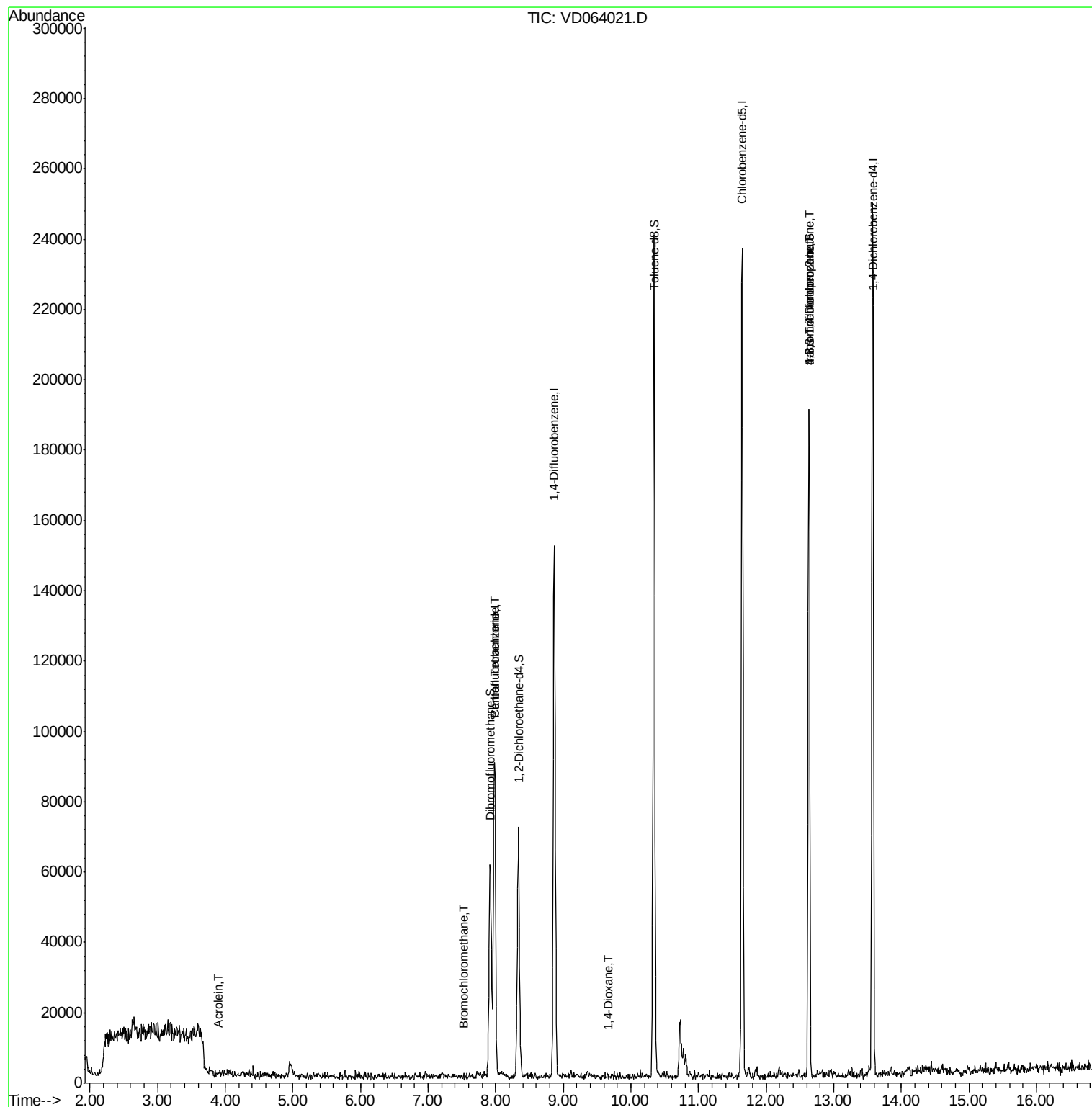
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	781	Below Cal	#	27
11) Tert butyl alcohol	5.27	59	55	Below Cal	#	71
13) Acrolein	3.89	56	61	1.030	ug/l #	17
28) Bromochloromethane	7.53	49	177	2.240	ug/l #	10
31) Cyclohexane	7.97	56	1842	Below Cal	#	62
37) Ethyl Acetate	7.31	43	66	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	7205	6.247	ug/l #	20
49) 1,4-Dioxane	9.66	88	76	12.212	ug/l #	13
76) 1,2,3-Trichloropropane	12.64	75	29075	64.841	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	29075	114.742	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.53	75	58	Below Cal	#	1

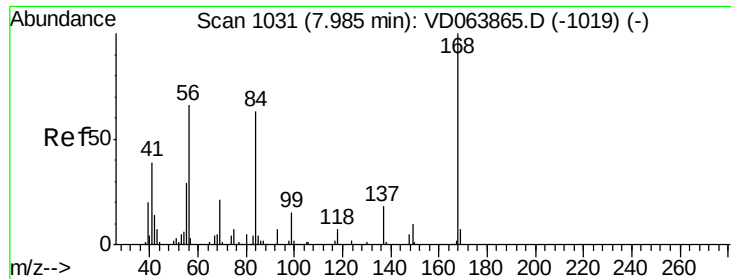
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
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# 1030

Delta R.T. -0.01 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

Instrument :

MSVOA_D

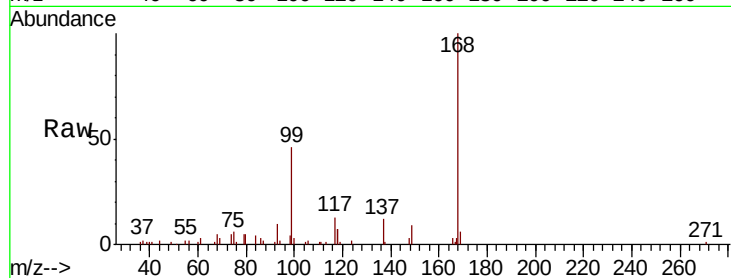
ClientSampleId :

Tot Ion:168 Resp: 68095

Ion Ratio Lower Upper

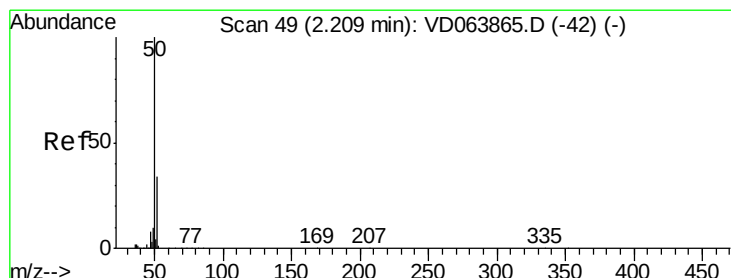
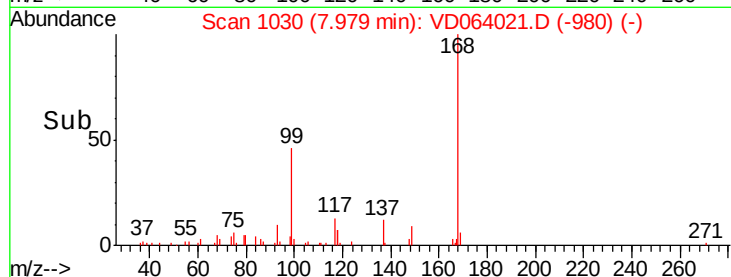
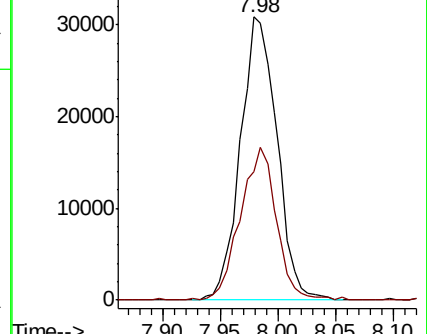
168 100

99 45.0 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: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064021.D

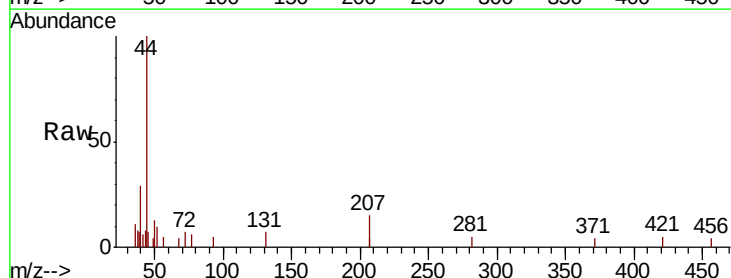
Acq: 23 Oct 2019 15:22

Tgt Ion: 50 Resp: 781

Ion Ratio Lower Upper

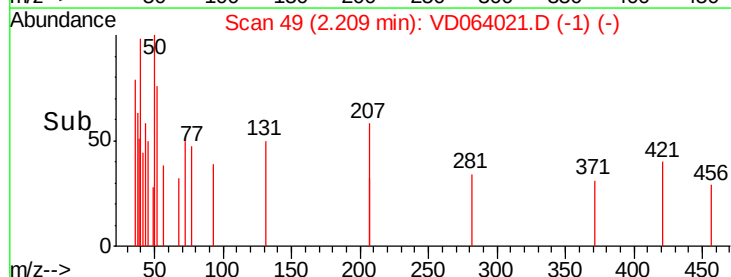
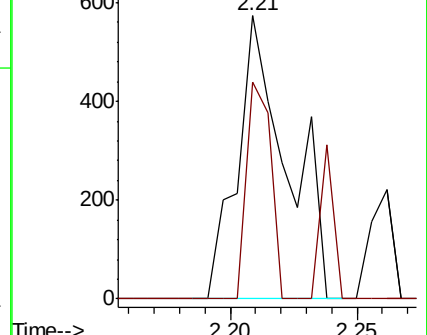
50 100

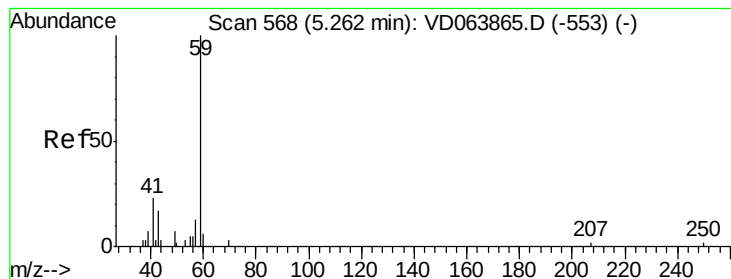
52 76.4 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



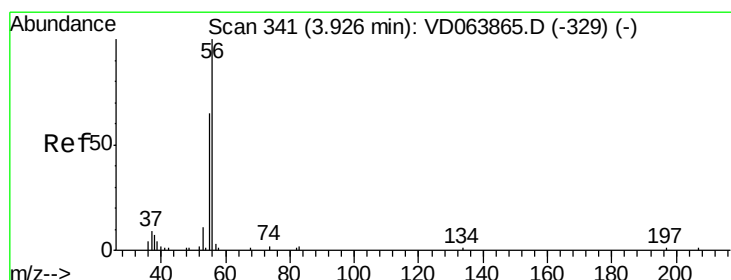
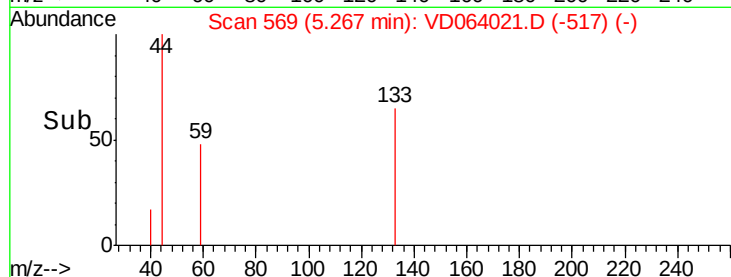
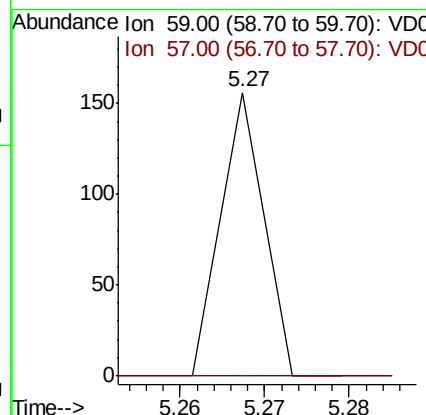
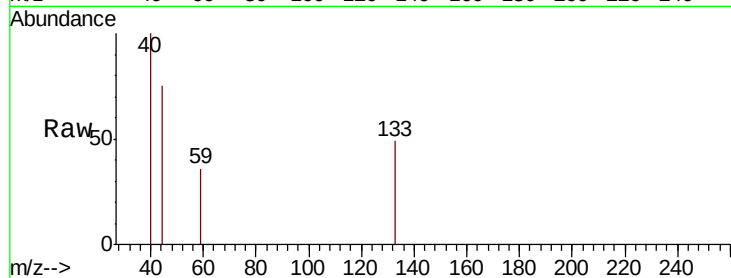


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.27 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: VD064021.D
 Acq: 23 Oct 2019 15:22

Instrument :
 MSVOA_D
 ClientSampleId :

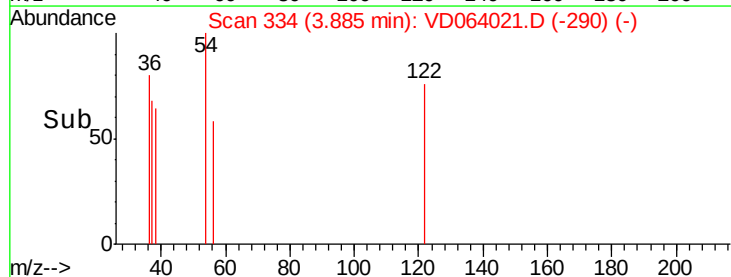
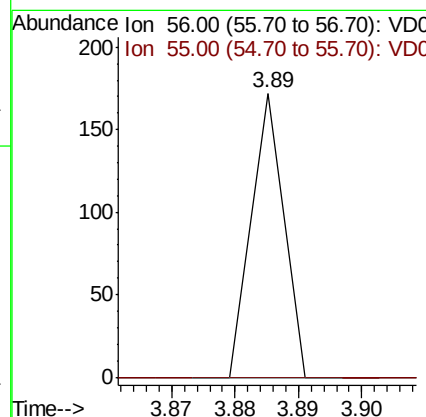
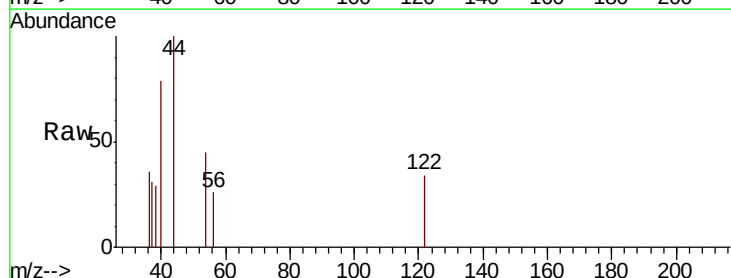
Tot Ion: 59 Resp: 55
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

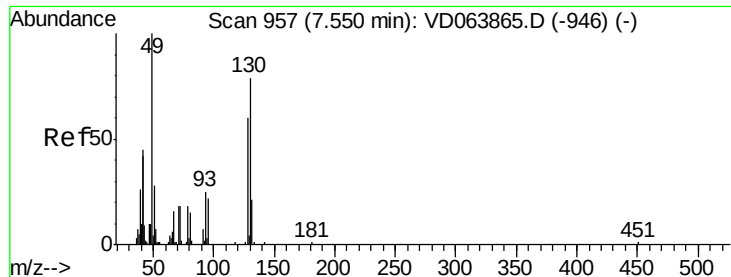


#13

Acrolein
 Concen: 1.030 ug/l
 RT: 3.89 min Scan# 334
 Delta R.T. -0.04 min
 Lab File: VD064021.D
 Acq: 23 Oct 2019 15:22

Tgt Ion: 56 Resp: 61
 Ion Ratio Lower Upper
 56 100
 55 0.0 53.0 79.6#





#28

Bromochloromethane

Concen: 2.240 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.02 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

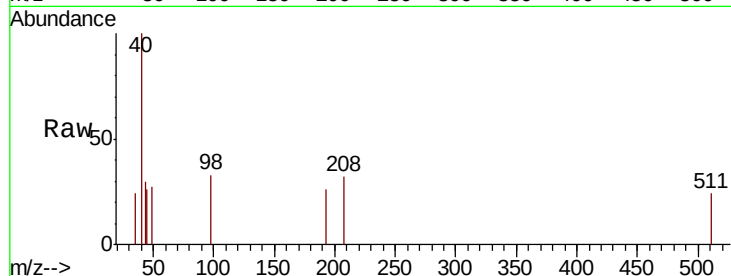
Tot Ion: 49 Resp: 177

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

300

250

200

150

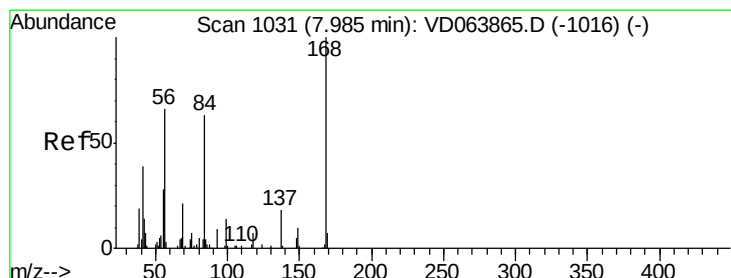
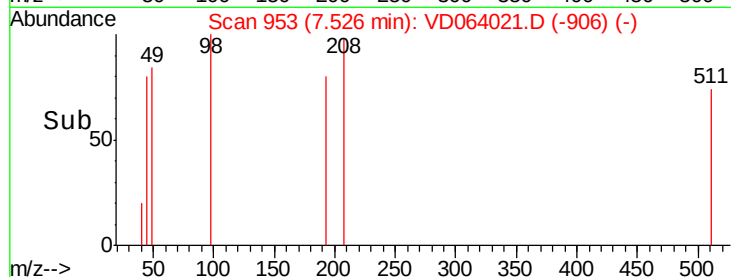
100

50

0

7.50 7.52 7.54

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

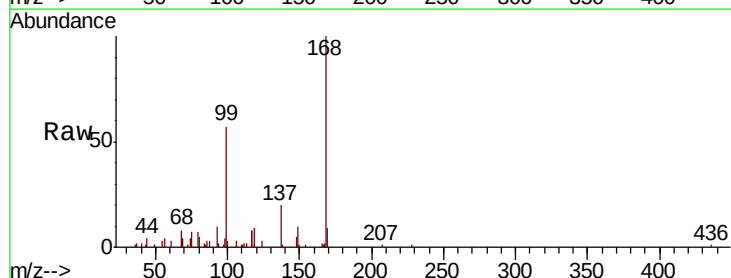
Tgt Ion: 56 Resp: 1842

Ion Ratio Lower Upper

56 100

69 78.7 25.0 37.4#

84 74.1 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

1500

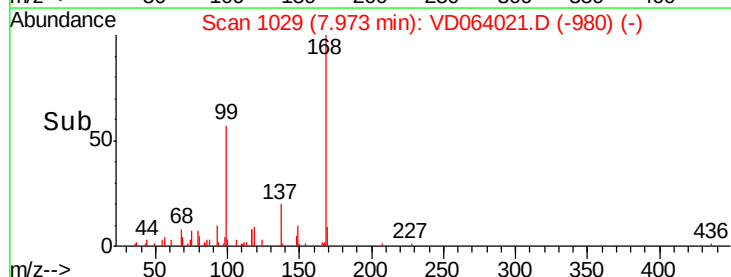
1000

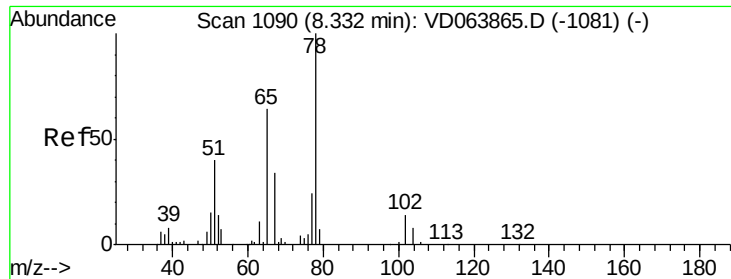
500

0

7.95 8.00

Time-->

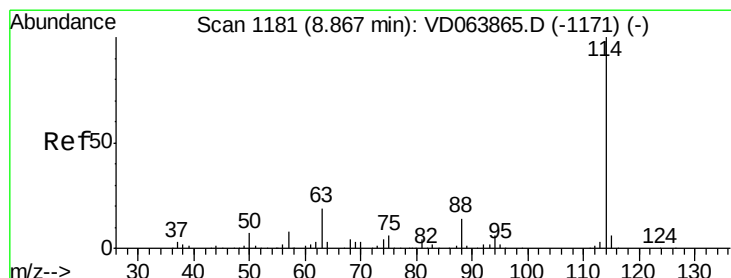
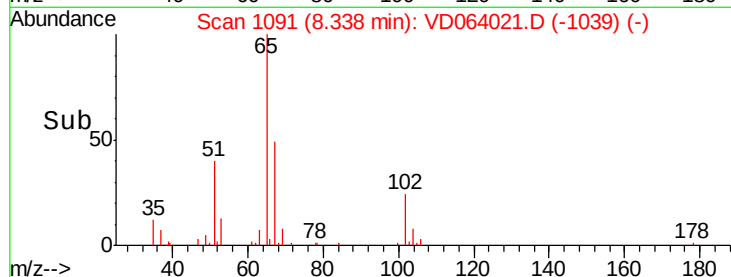
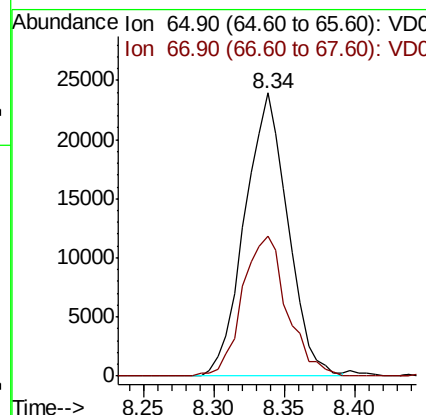
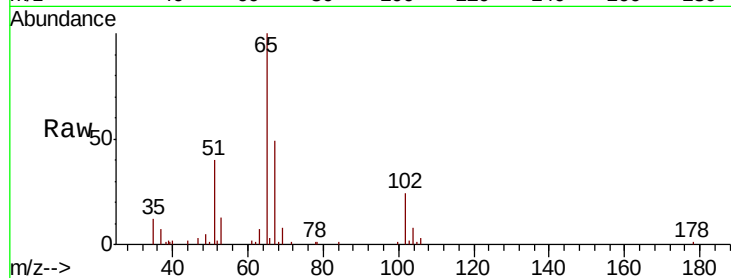




#33
 1,2-Dichloroethane-d4
 Concen: 77.289 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064021.D
 Acq: 23 Oct 2019 15:22

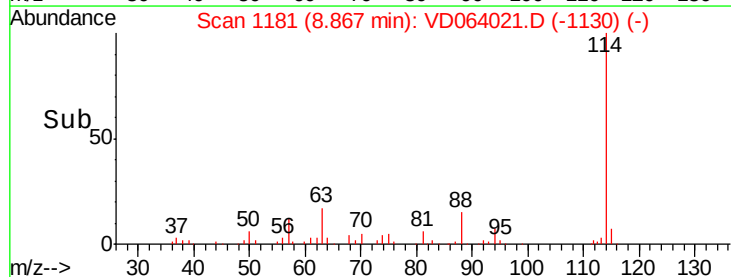
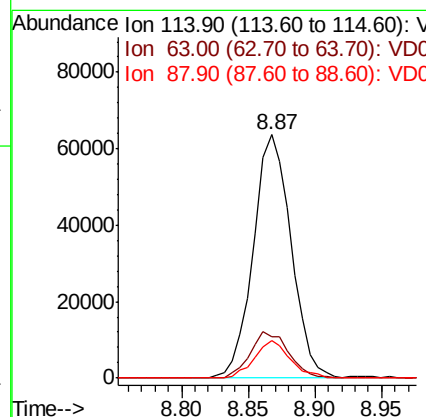
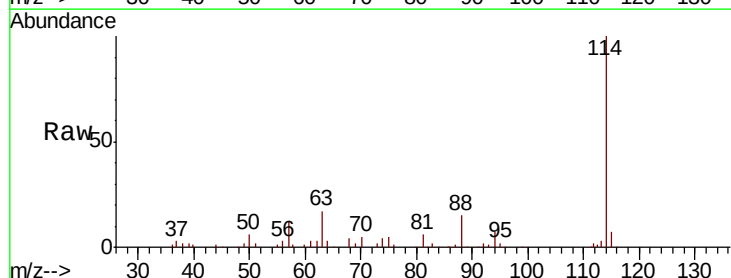
Instrument :
 MSVOA_D
 ClientSampled :

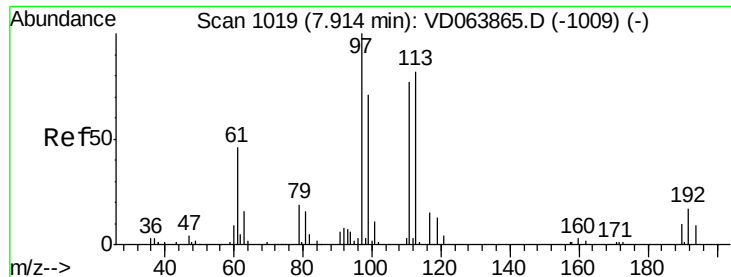
Tot Ion: 65 Resp: 51239
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064021.D
 Acq: 23 Oct 2019 15:22

Tgt Ion:114 Resp: 124830
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 38.4
 88 15.5 0.0 27.4





#35

Dibromofluoromethane

Concen: 57.854 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :

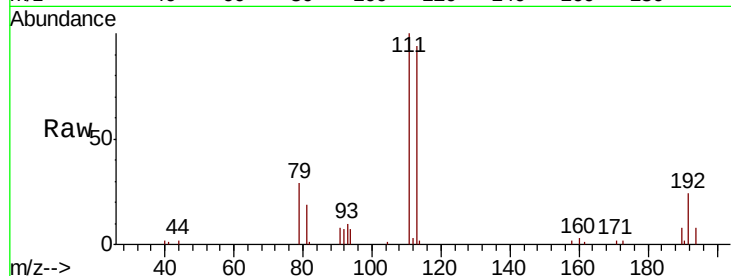
Tot Ion:113 Resp: 44135

Ion Ratio Lower Upper

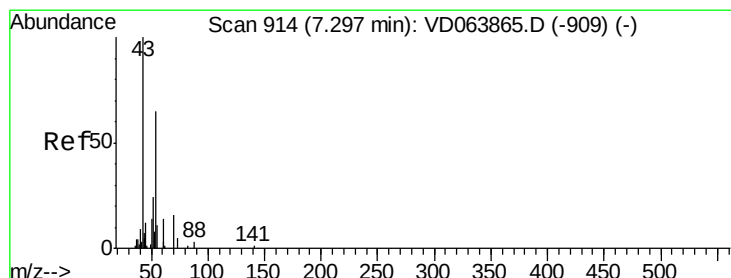
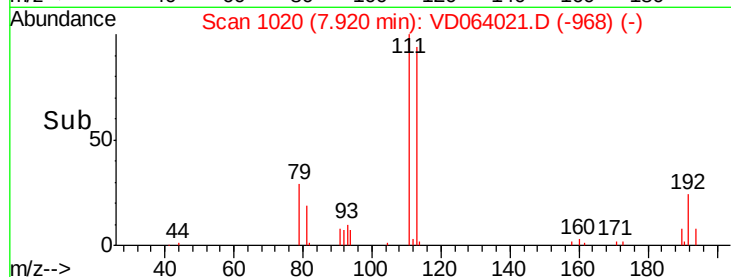
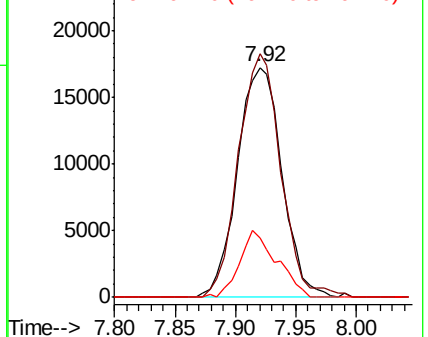
113 100

111 101.2 82.6 123.8

192 24.2 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



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.31 min Scan# 916

Delta R.T. 0.01 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

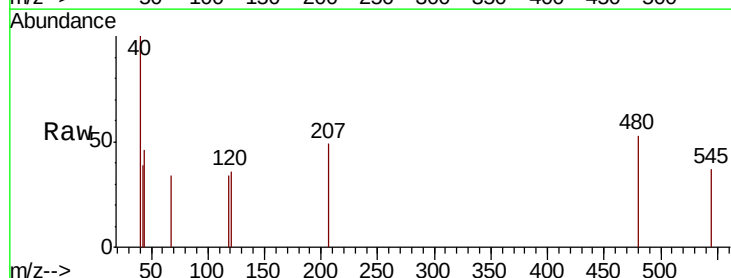
Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

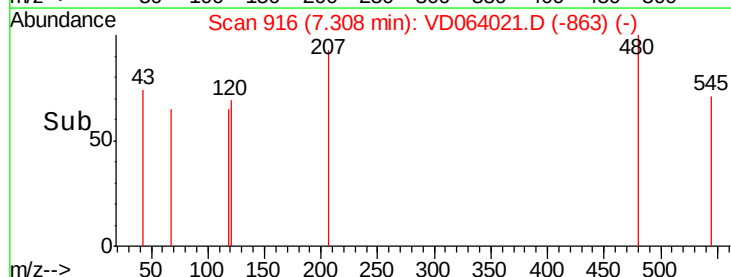
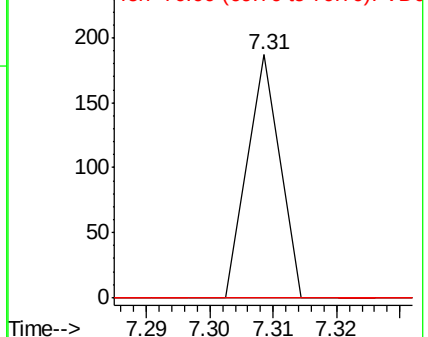
43 100

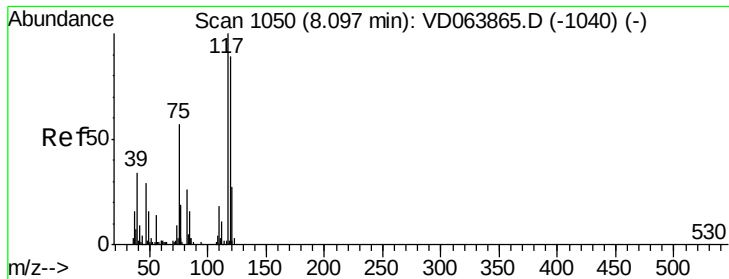
61 0.0 11.5 17.3#

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: 6.247 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

Instrument :

MSVOA_D

ClientSampled :

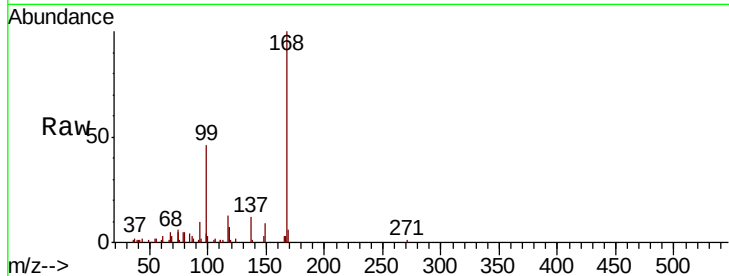
Tot Ion:117 Resp: 7205

Ion Ratio Lower Upper

117 100

119 5.6 70.8 106.2#

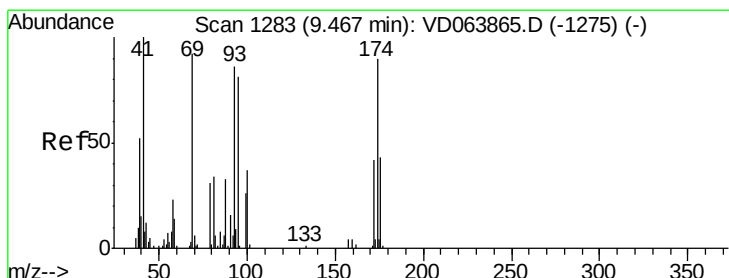
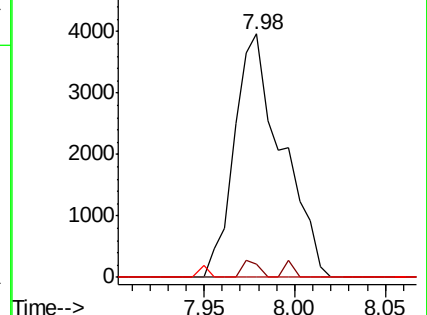
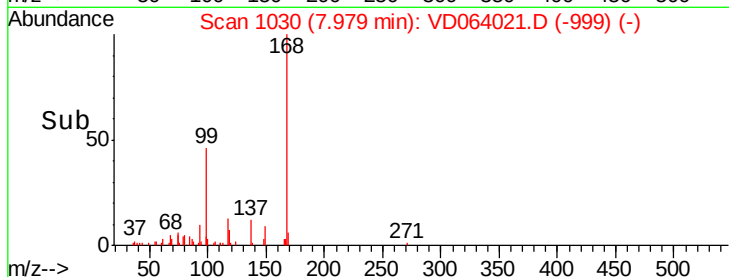
121 0.0 21.4 32.0#



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: 12.212 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.19 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

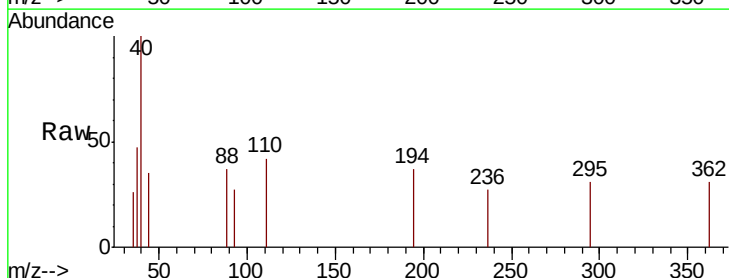
Tgt Ion: 88 Resp: 76

Ion Ratio Lower Upper

88 100

43 88.2 27.6 41.4#

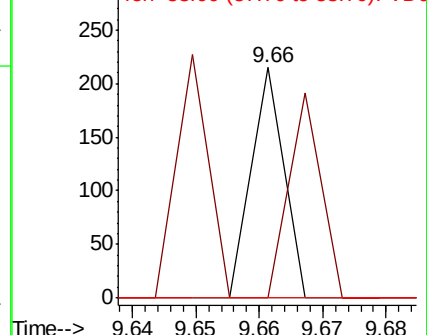
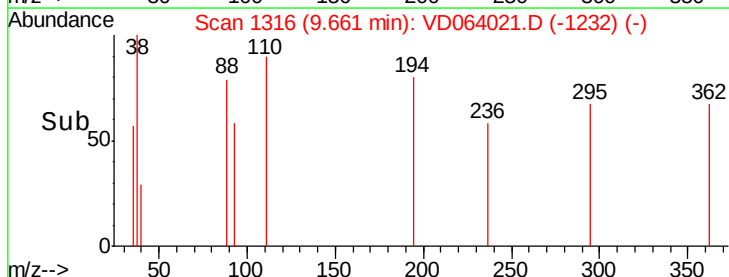
58 0.0 54.1 81.1#

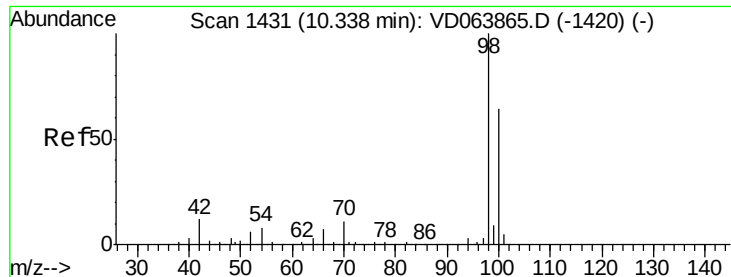


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 52.928 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

Instrument :

MSVOA_D

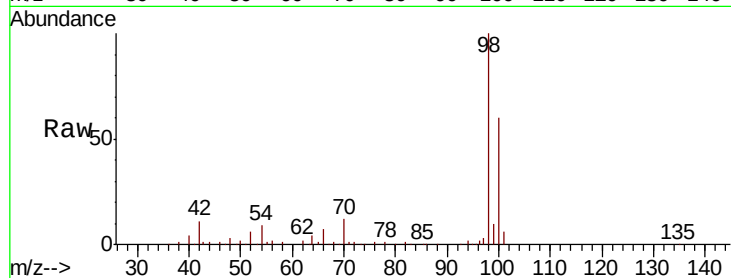
ClientSampleId :

Tot Ion: 98 Resp: 163886

Ion Ratio Lower Upper

98 100

100 63.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

80000

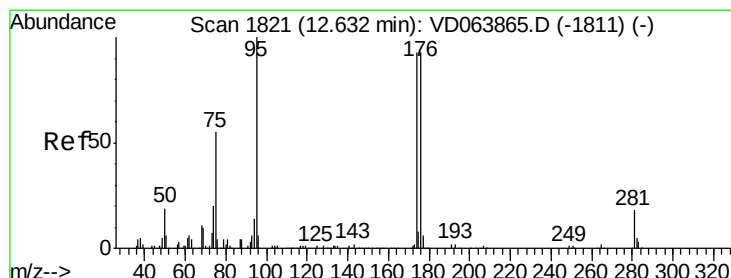
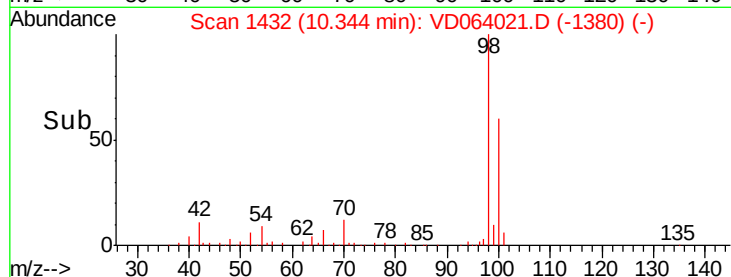
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.467 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

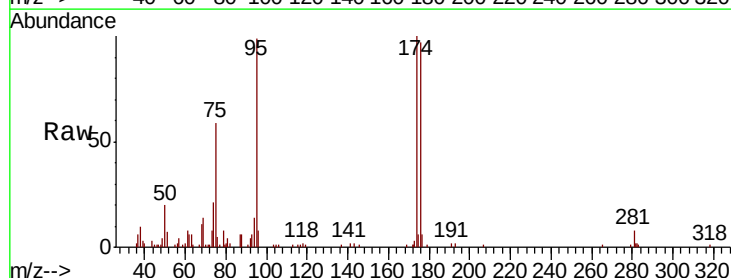
Tgt Ion: 95 Resp: 54302

Ion Ratio Lower Upper

95 100

174 96.9 0.0 186.4

176 91.7 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

12.64

40000

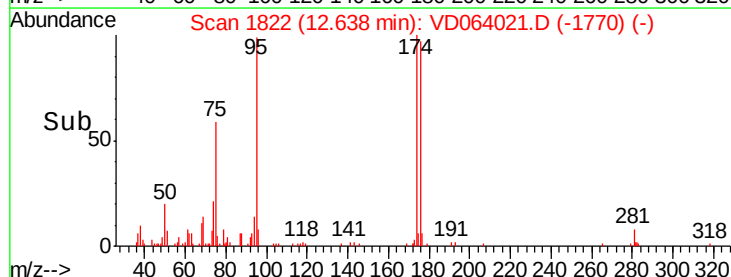
30000

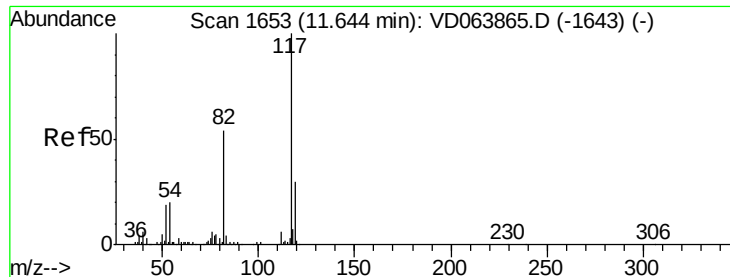
20000

10000

0

Time-->

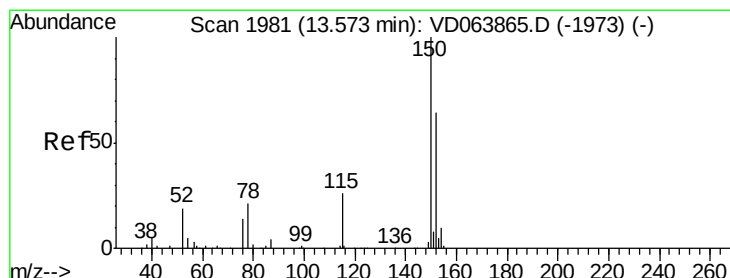
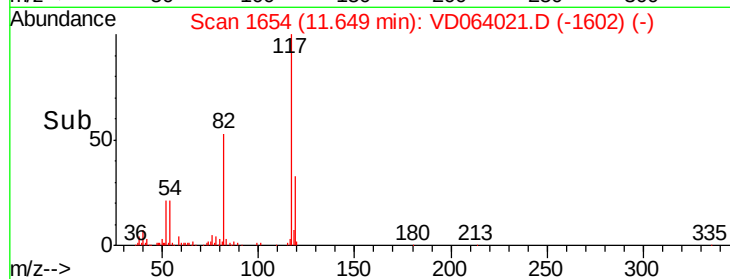
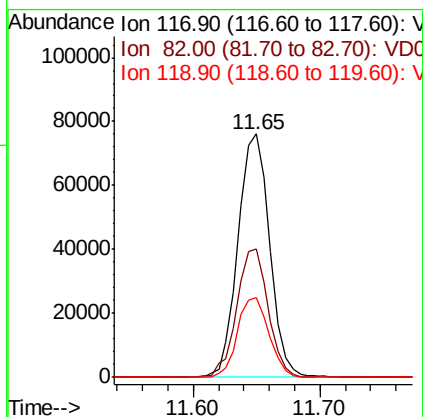
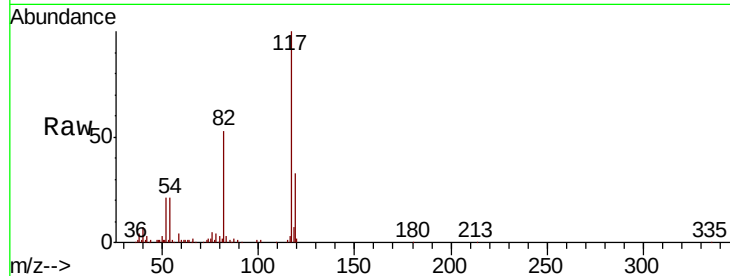




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064021.D
Acq: 23 Oct 2019 15:22

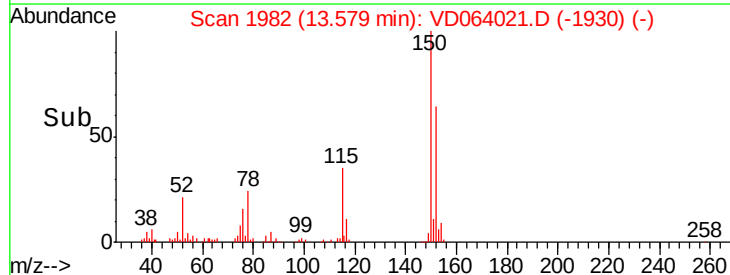
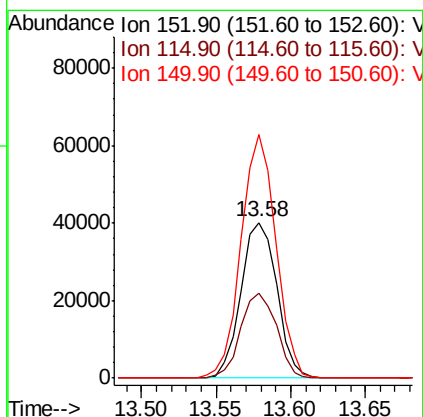
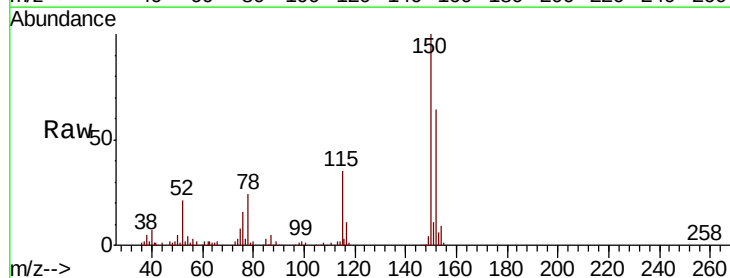
Instrument :
MSVOA_D
ClientSampleId :

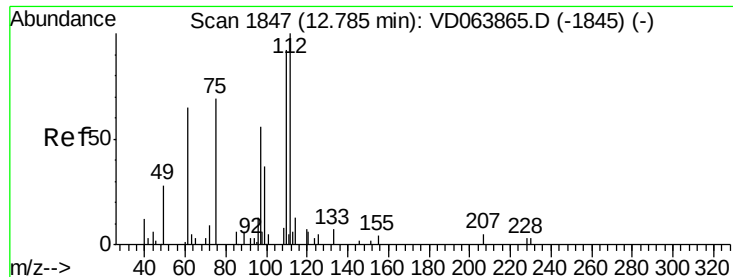
Tot Ion:117 Resp: 131495
Ion Ratio Lower Upper
117 100
82 52.7 42.8 64.2
119 32.6 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064021.D
Acq: 23 Oct 2019 15:22

Tgt Ion:152 Resp: 66949
Ion Ratio Lower Upper
152 100
115 54.5 25.9 77.7
150 151.5 0.0 344.2





#76

1,2,3-Trichloropropane

Concen: 64.841 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

Instrument :

MSVOA_D

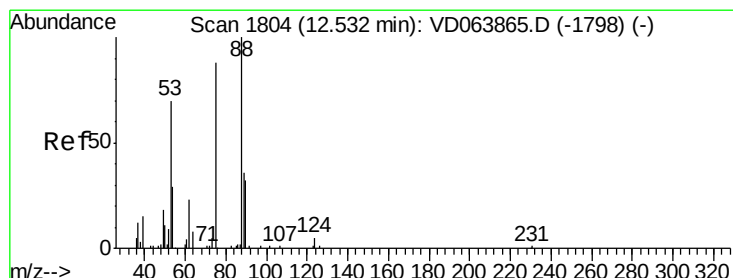
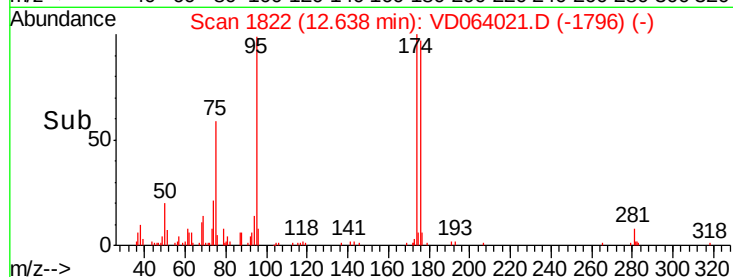
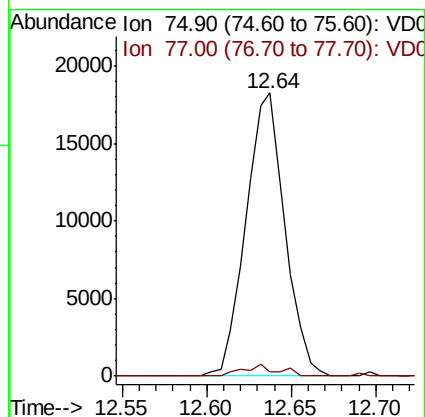
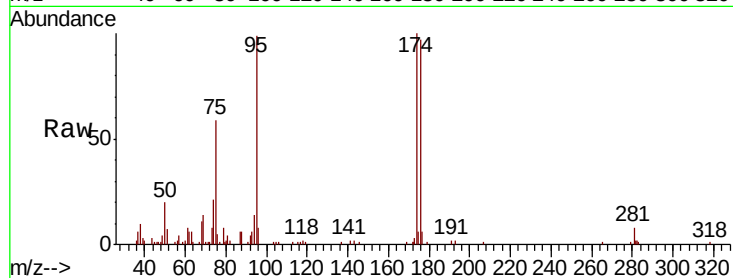
ClientSampleId :

Tot Ion: 75 Resp: 29075

Ion Ratio Lower Upper

75 100

77 3.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 114.742 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

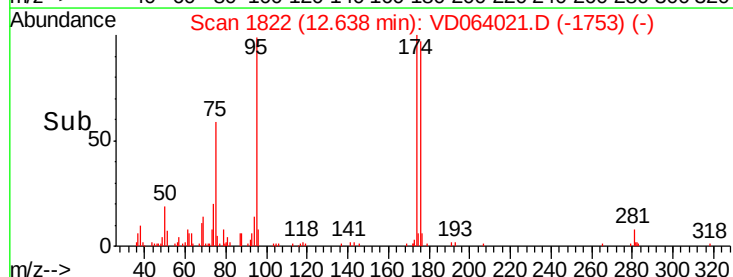
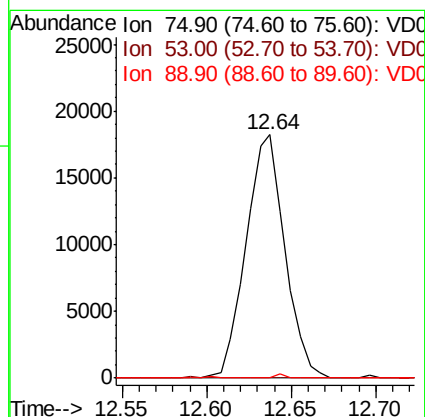
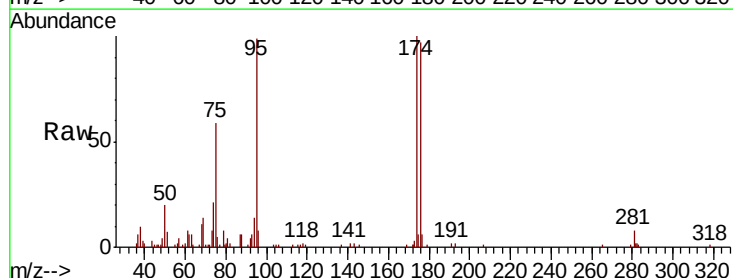
Tgt Ion: 75 Resp: 29075

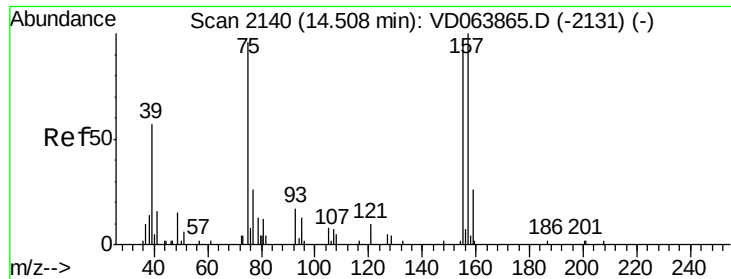
Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.4 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.53 min Scan# 2143

Delta R.T. 0.02 min

Lab File: VD064021.D

Acq: 23 Oct 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#

