

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101819\
 Data File : VD064011.D
 Acq On : 18 Oct 2019 15:22
 Operator : VA/SY
 Sample : K5420-07RE
 Misc : 7.64G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 19 01:39:40 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	149268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142014	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	97087	66.81	ug/l	0.00
Spiked Amount			Recovery	=	133.62%	
35) Dibromofluoromethane	7.92	113	90039	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
50) Toluene-d8	10.34	98	406442	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.64	95	117504	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	

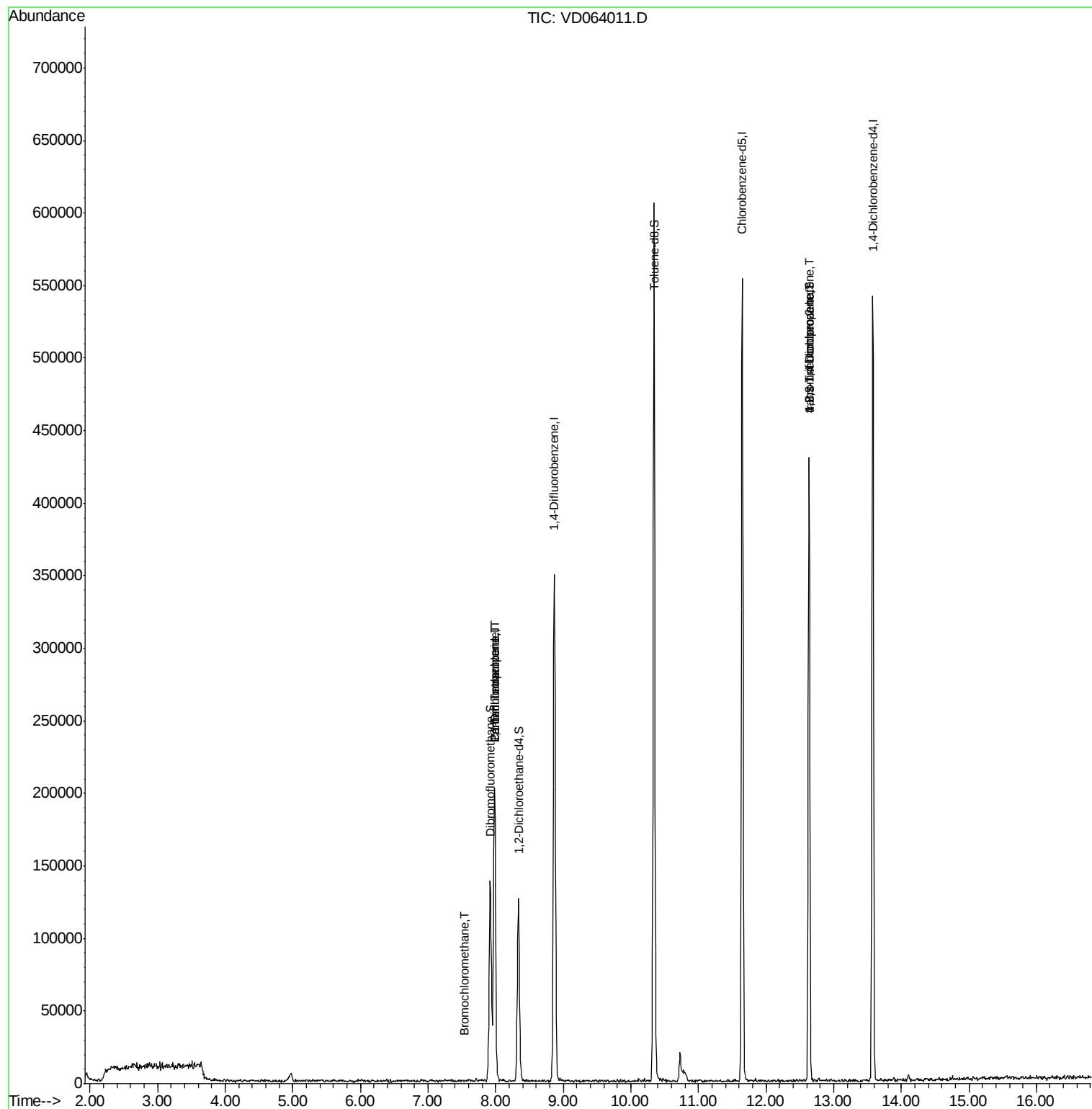
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	451	Below Cal	#	72
11) Tert butyl alcohol	5.24	59	163	Below Cal	#	1
20) Methylene Chloride	4.96	84	3827	Below Cal	#	83
28) Bromochloromethane	7.54	49	133	1.993	ug/l #	10
31) Cyclohexane	7.98	56	4065	Below Cal	#	40
36) 1,1-Dichloropropene	7.98	75	12910	4.787	ug/l #	49
37) Ethyl Acetate	7.27	43	98	Below Cal	#	68
38) Carbon Tetrachloride	7.98	117	15587	5.719	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	64956	68.291	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	64956	120.847	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.48	75	67	Below Cal	#	1

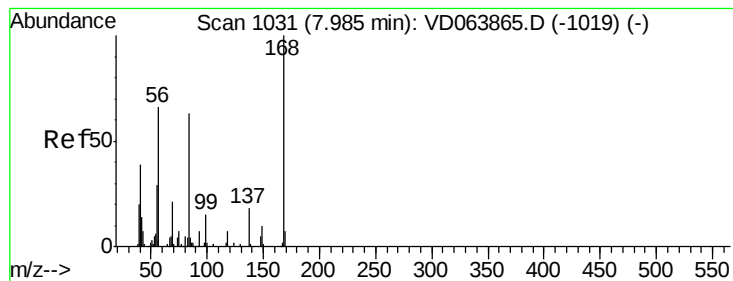
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

Instrument :

MSVOA_D

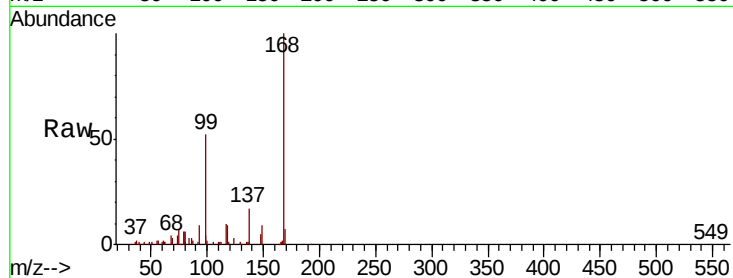
ClientSampleId :

Tot Ion:168 Resp: 149268

Ion Ratio Lower Upper

168 100

99 52.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

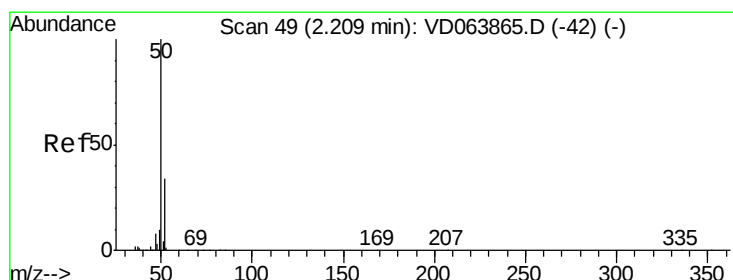
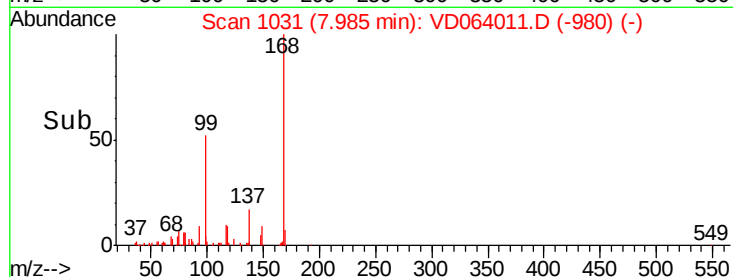
40000

20000

0

Time-->

7.90 8.00 8.10



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064011.D

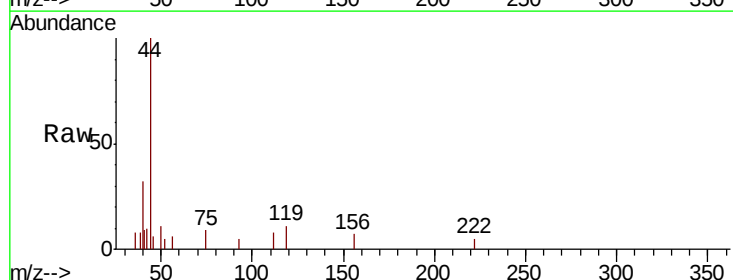
Acq: 18 Oct 2019 15:22

Tgt Ion: 50 Resp: 451

Ion Ratio Lower Upper

50 100

52 50.5 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400

300

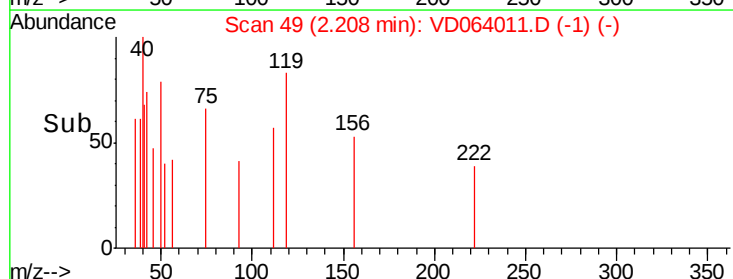
200

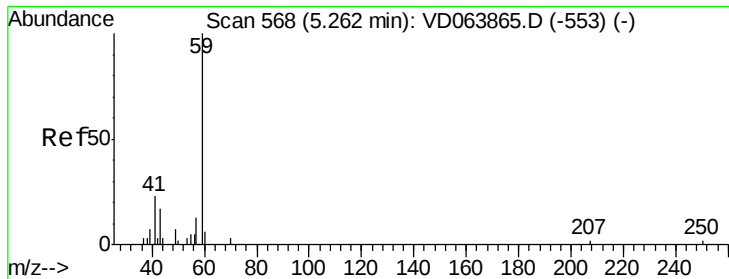
100

0

Time-->

2.16 2.18 2.20 2.22 2.24



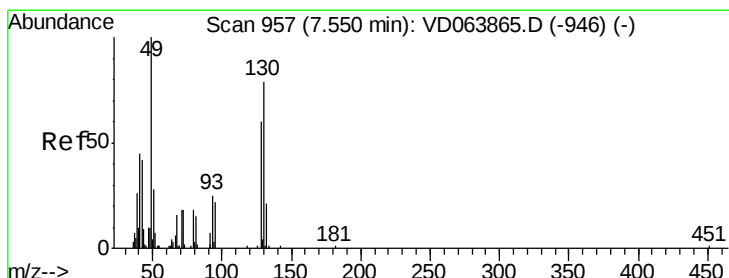
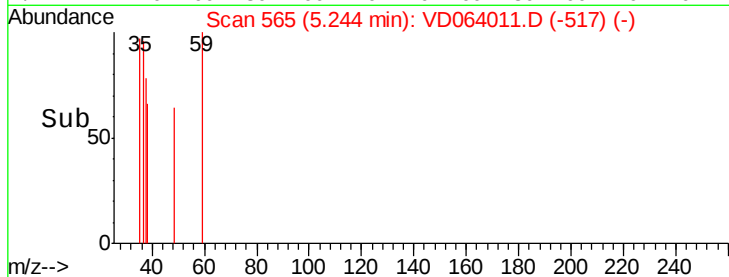
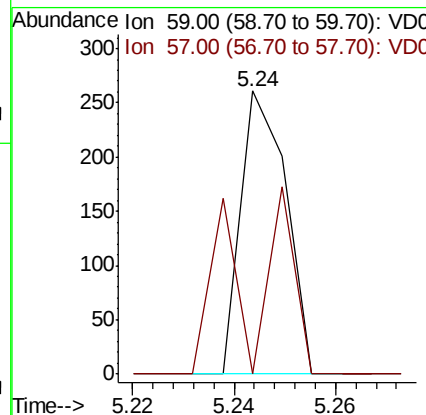
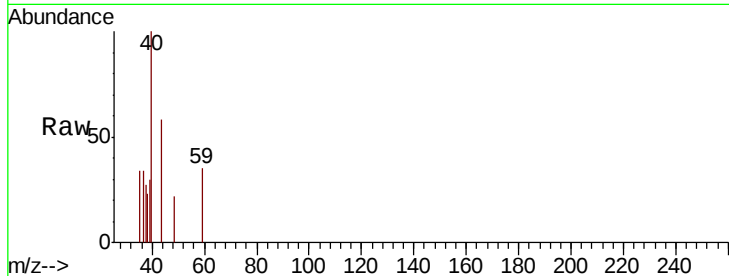


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064011.D
Acq: 18 Oct 2019 15:22

Instrument :
MSVOA_D
ClientSampled :

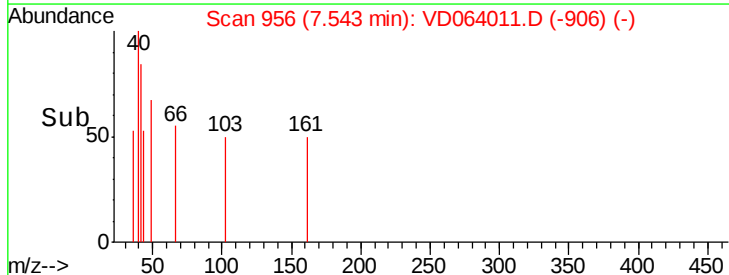
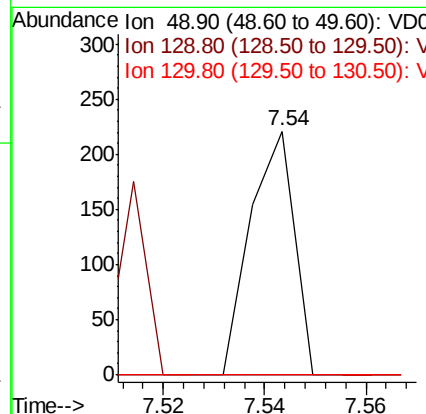
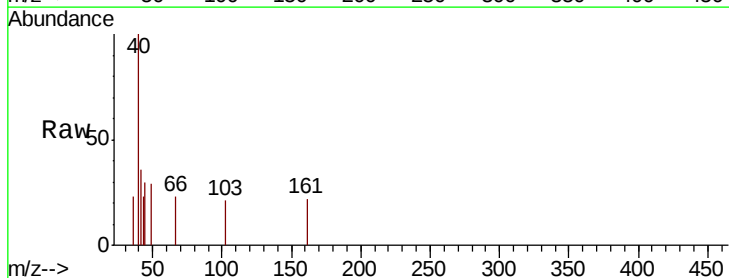
Tot Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 72.4 8.8 13.2#

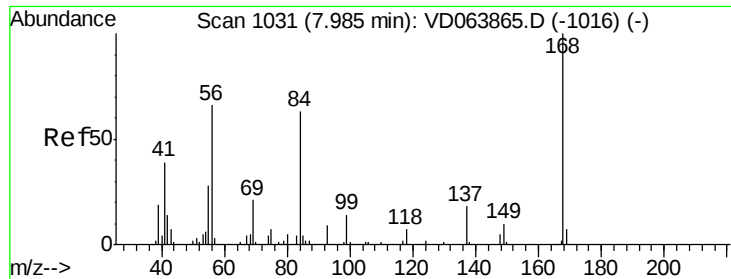


#28

Bromochloromethane
Concen: 1.993 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064011.D
Acq: 18 Oct 2019 15:22

Tgt Ion: 49 Resp: 133
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.6
130 0.0 66.8 100.2#

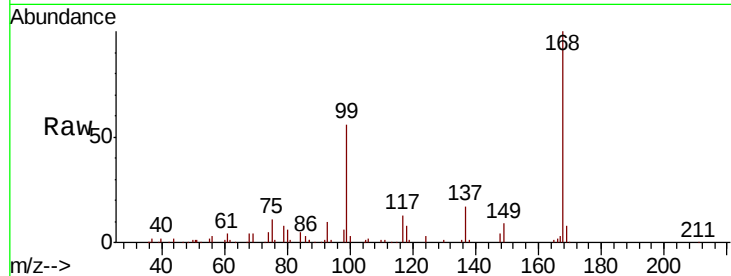




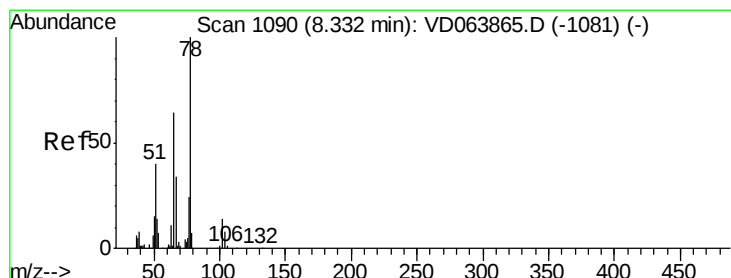
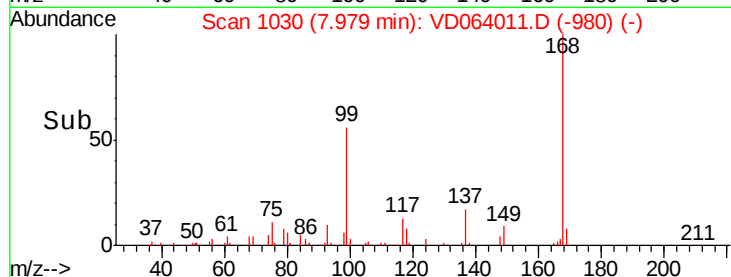
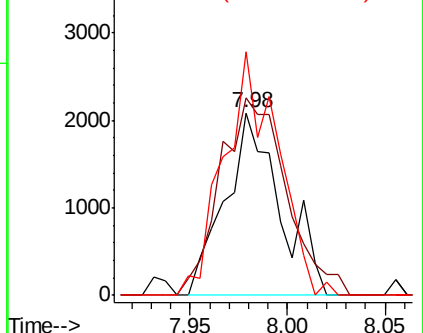
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064011.D
Acq: 18 Oct 2019 15:22

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 4065
Ion Ratio Lower Upper
56 100
69 98.8 25.0 37.4#
84 133.5 76.3 114.5#

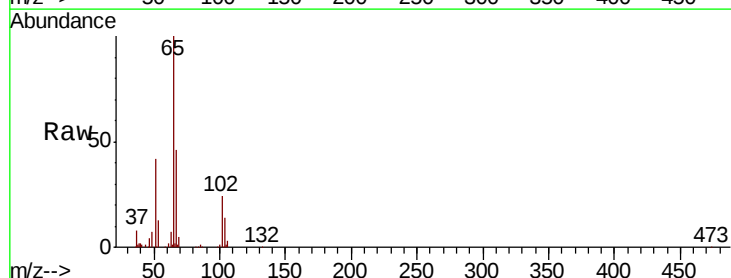


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

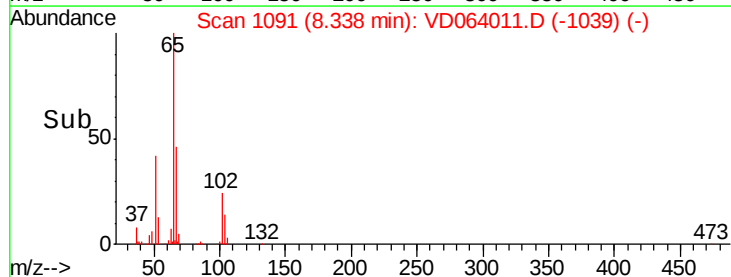
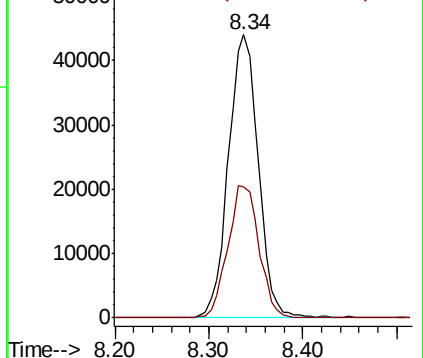


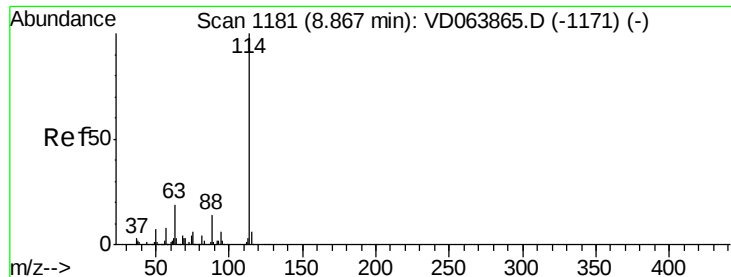
#33
1,2-Dichloroethane-d4
Concen: 66.807 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064011.D
Acq: 18 Oct 2019 15:22

Tgt Ion: 65 Resp: 97087
Ion Ratio Lower Upper
65 100
67 48.6 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# 1182

Delta R.T. 0.01 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

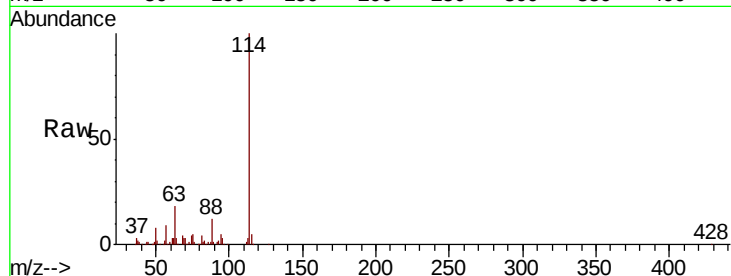
Tot Ion:114 Resp: 294988

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

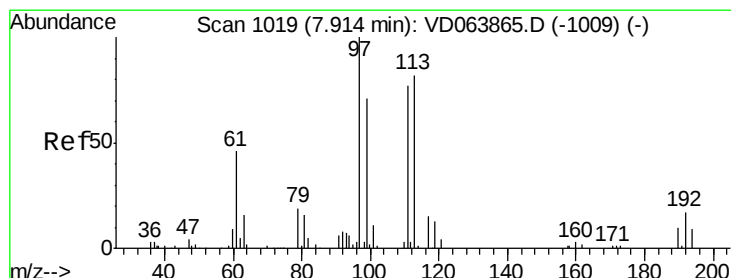
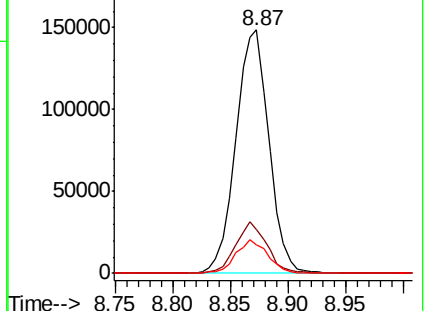
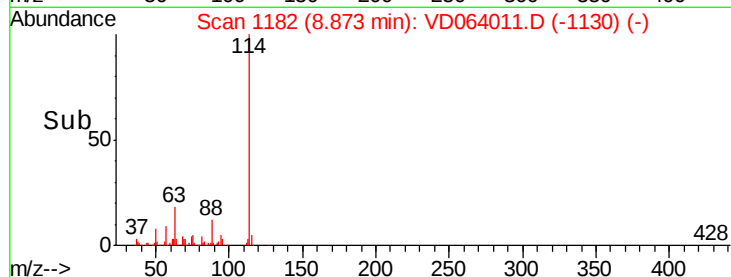
88 11.9 0.0 27.4



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: 49.945 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

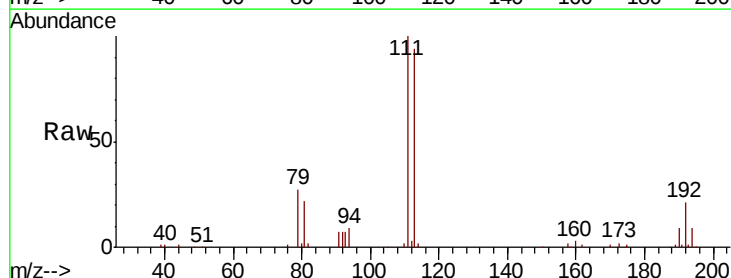
Tgt Ion:113 Resp: 90039

Ion Ratio Lower Upper

113 100

111 104.8 82.6 123.8

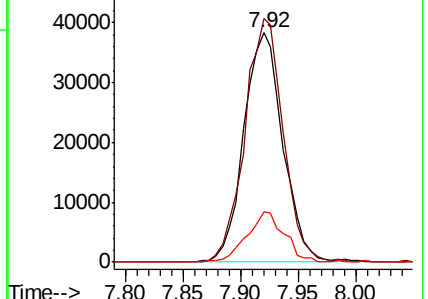
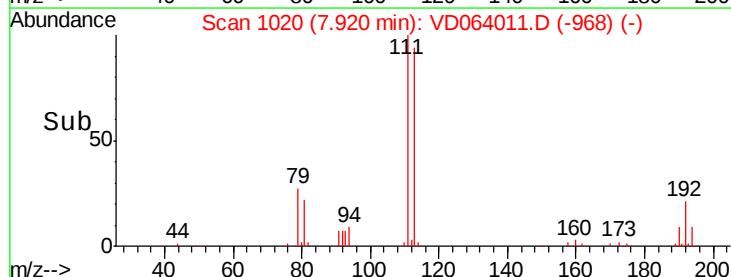
192 20.9 17.1 25.7

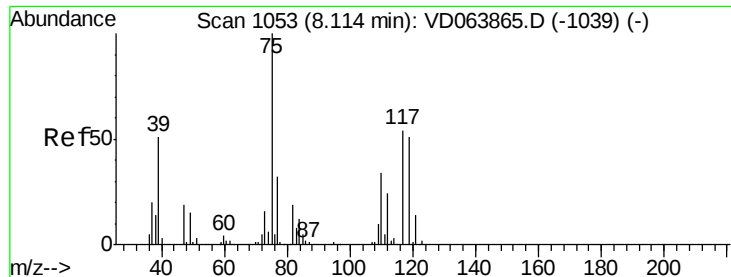


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.787 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :

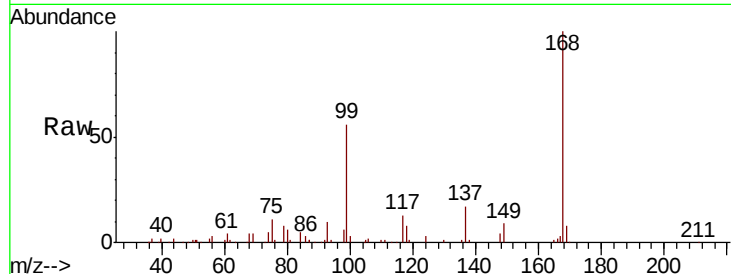
Tot Ion: 75 Resp: 12910

Ion Ratio Lower Upper

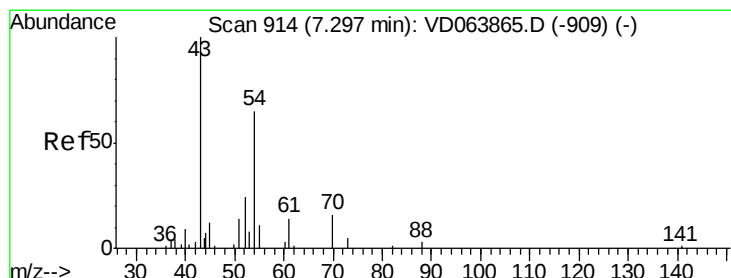
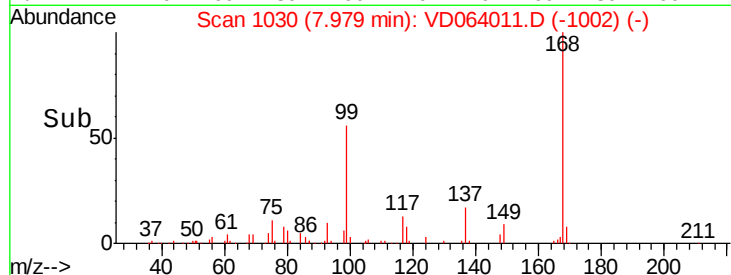
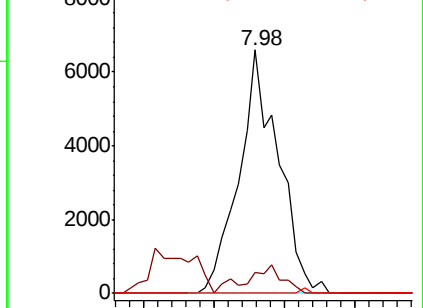
75 100

110 8.3 17.4 52.3#

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.27 min Scan# 910

Delta R.T. -0.02 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

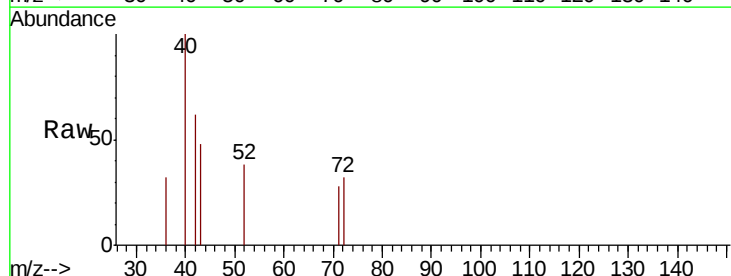
Tgt Ion: 43 Resp: 98

Ion Ratio Lower Upper

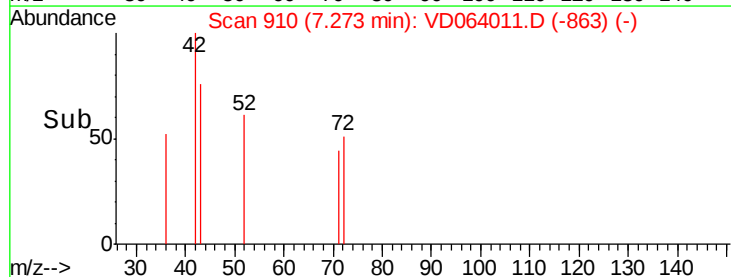
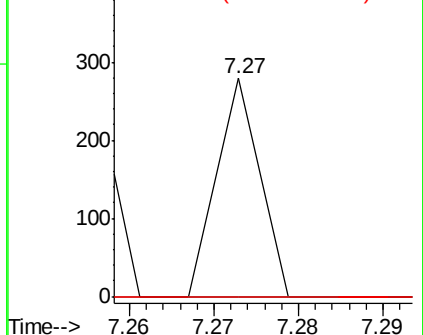
43 100

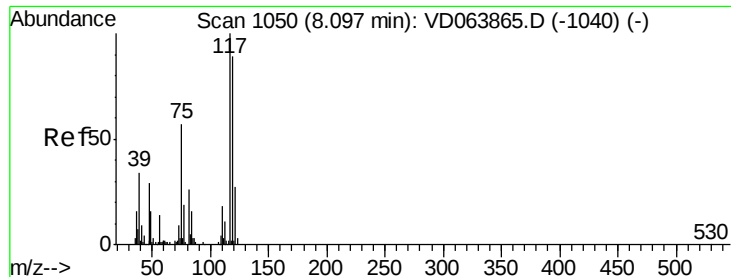
61 0.0 11.5 17.3#

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: 5.719 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

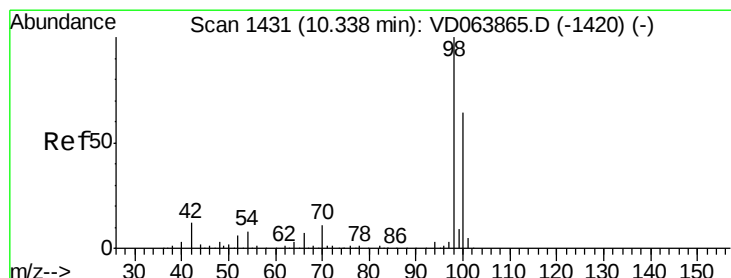
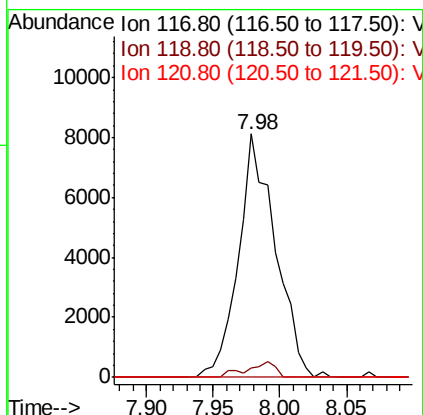
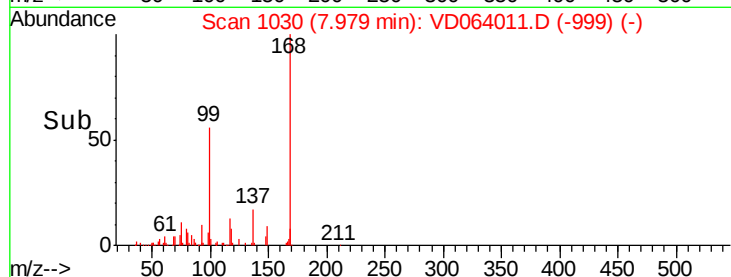
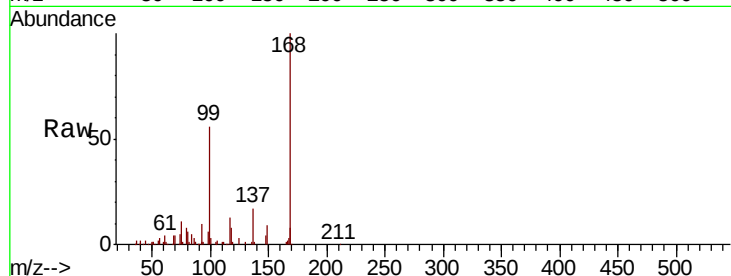
Tot Ion:117 Resp: 15587

Ion Ratio Lower Upper

117 100

119 3.9 70.8 106.2#

121 0.0 21.4 32.0#



#50

Toluene-d8

Concen: 55.547 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064011.D

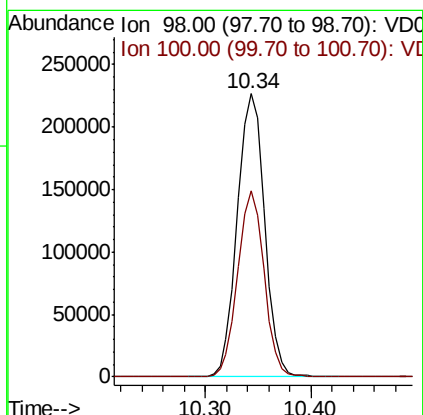
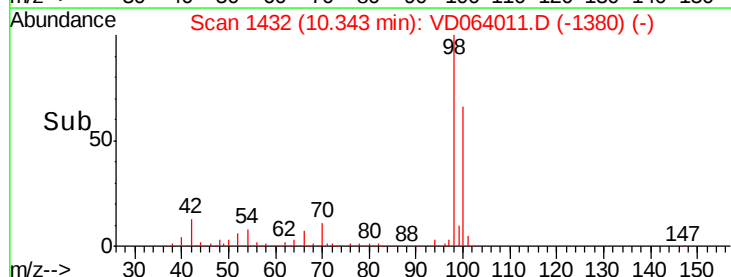
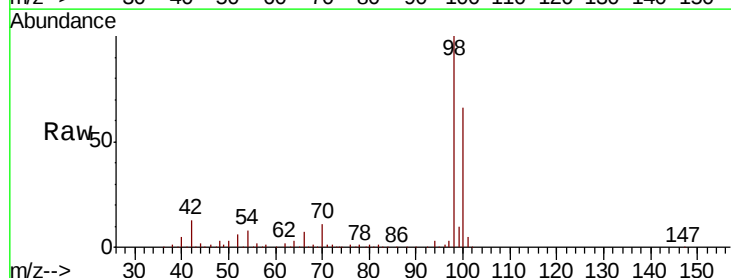
Acq: 18 Oct 2019 15:22

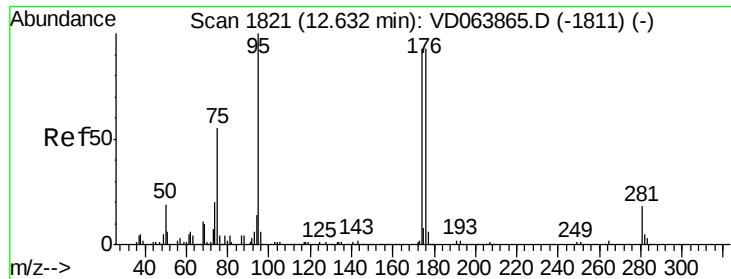
Tgt Ion: 98 Resp: 406442

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1

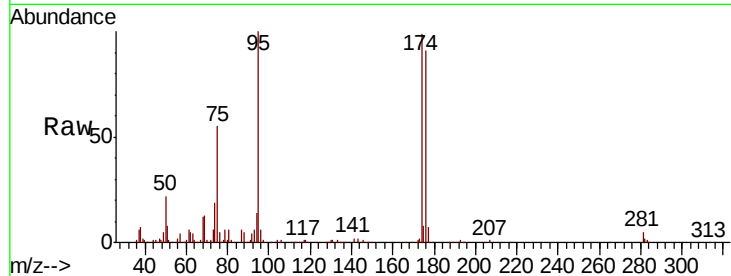




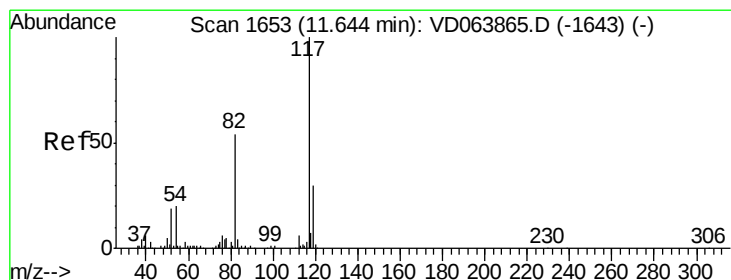
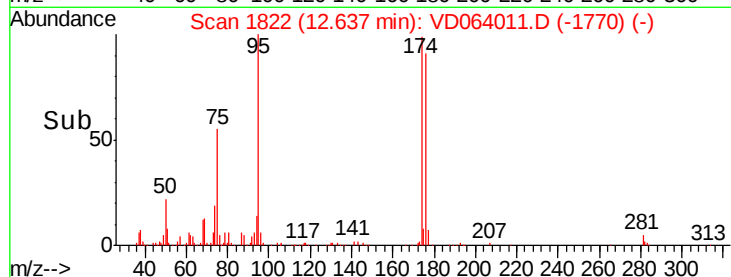
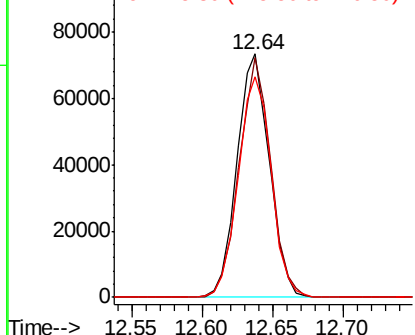
#62
4-Bromofluorobenzene
Concen: 46.212 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064011.D
Acq: 18 Oct 2019 15:22

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 117504
Ion Ratio Lower Upper
95 100
174 96.3 0.0 186.4
176 92.5 0.0 184.2

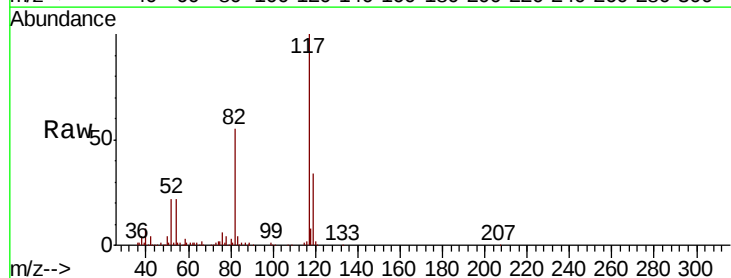


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

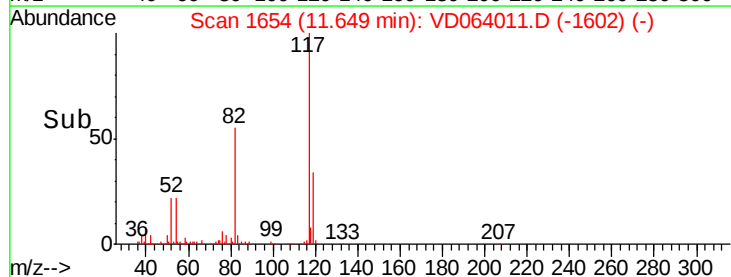
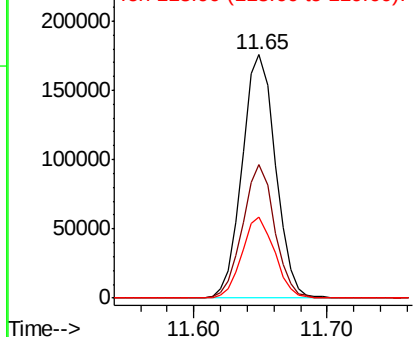


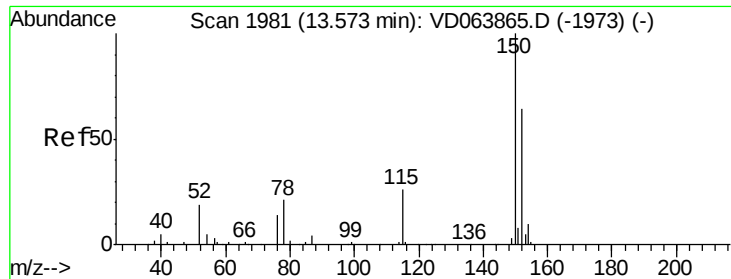
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064011.D
Acq: 18 Oct 2019 15:22

Tgt Ion: 117 Resp: 303523
Ion Ratio Lower Upper
117 100
82 54.7 42.8 64.2
119 33.5 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: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

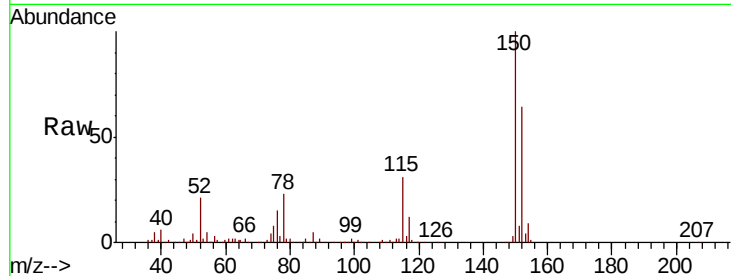
Tot Ion:152 Resp: 142014

Ion Ratio Lower Upper

152 100

115 53.6 25.9 77.7

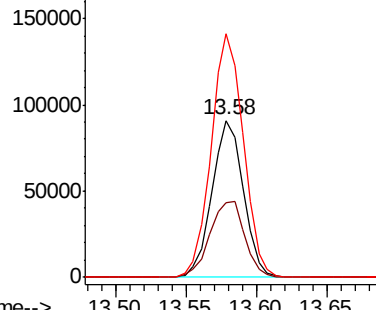
150 158.4 0.0 344.2



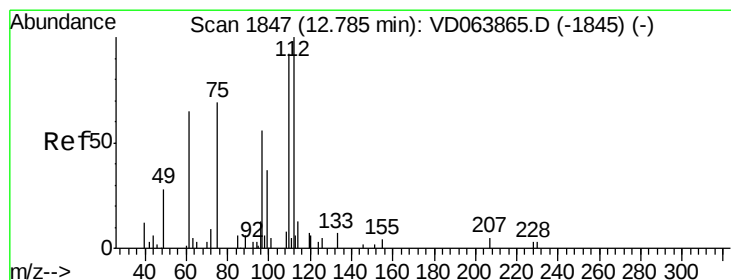
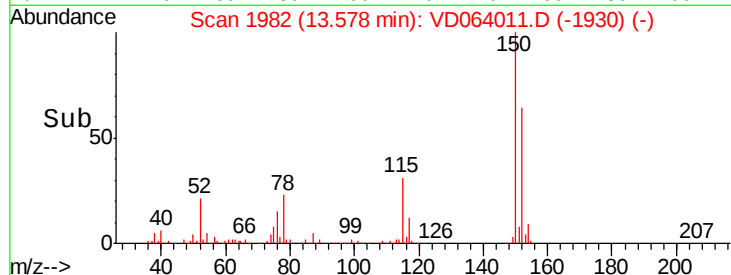
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 68.291 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064011.D

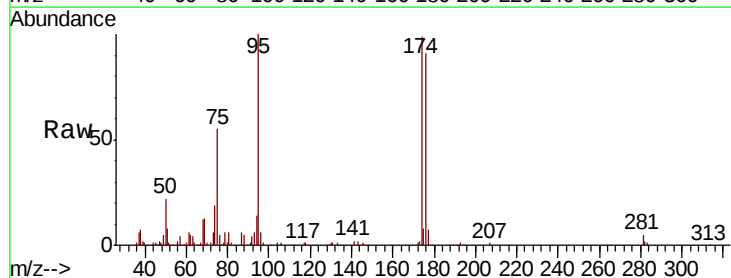
Acq: 18 Oct 2019 15:22

Tgt Ion: 75 Resp: 64956

Ion Ratio Lower Upper

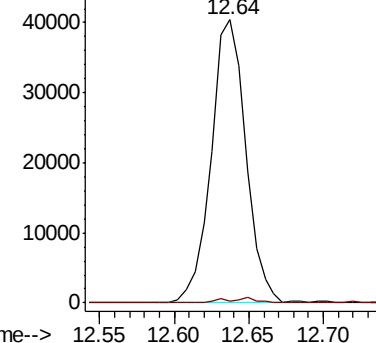
75 100

77 0.7 0.0 0.0#

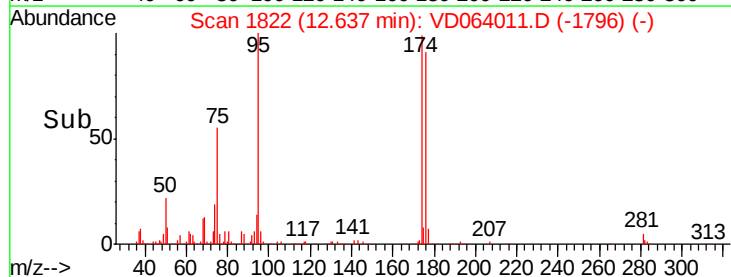


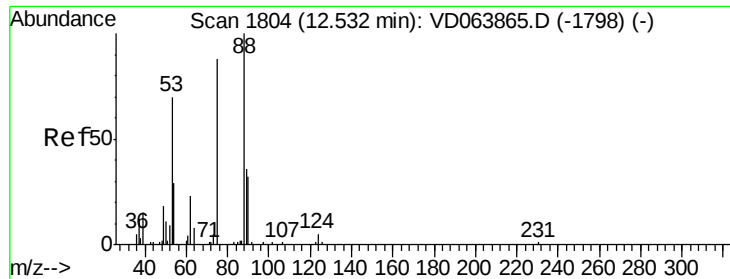
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 120.847 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

Instrument :

MSVOA_D

ClientSampleId :

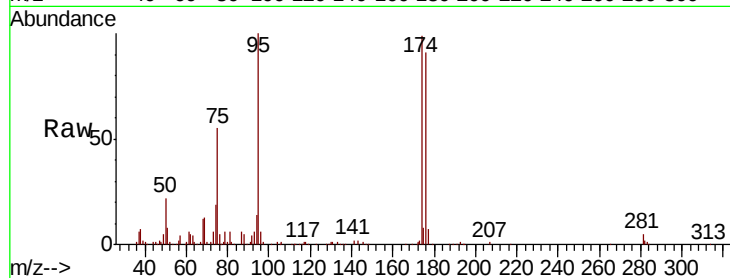
Tot Ion: 75 Resp: 64956

Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

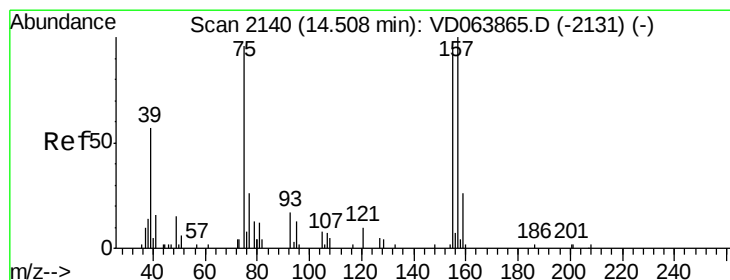
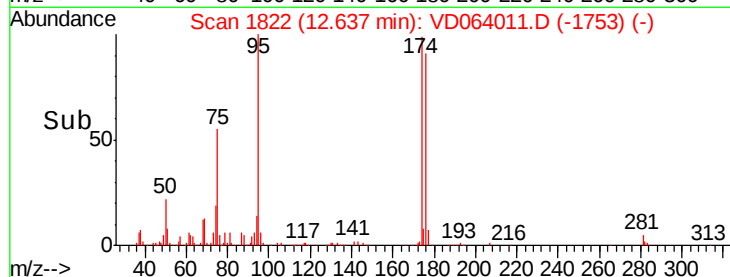
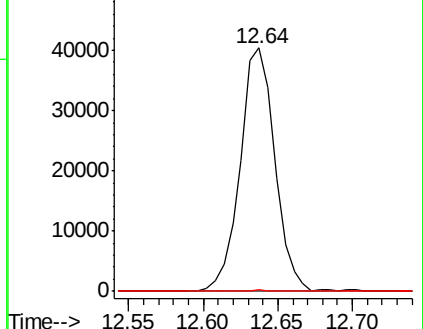
89 0.1 38.2 57.4#



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: 14.48 min Scan# 2135

Delta R.T. -0.03 min

Lab File: VD064011.D

Acq: 18 Oct 2019 15:22

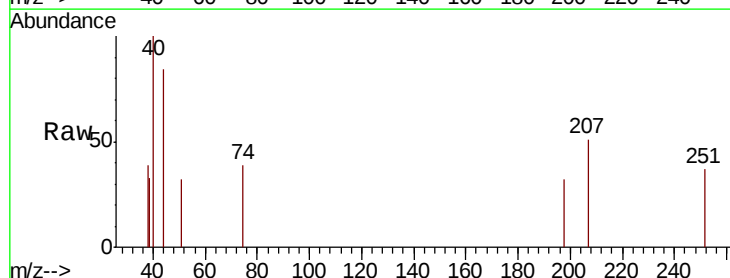
Tgt Ion: 75 Resp: 67

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

