

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063992.D
 Acq On : 16 Oct 2019 17:40
 Operator : VA/SY
 Sample : K5401-02
 Misc : 6.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 16 18:09:48 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	155535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	301355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	320031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152074	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	99485	65.70	ug/l	0.00
Spiked Amount			Recovery	=	131.40%	
35) Dibromofluoromethane	7.92	113	94115	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	10.34	98	419199	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	
62) 4-Bromofluorobenzene	12.64	95	122719	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	

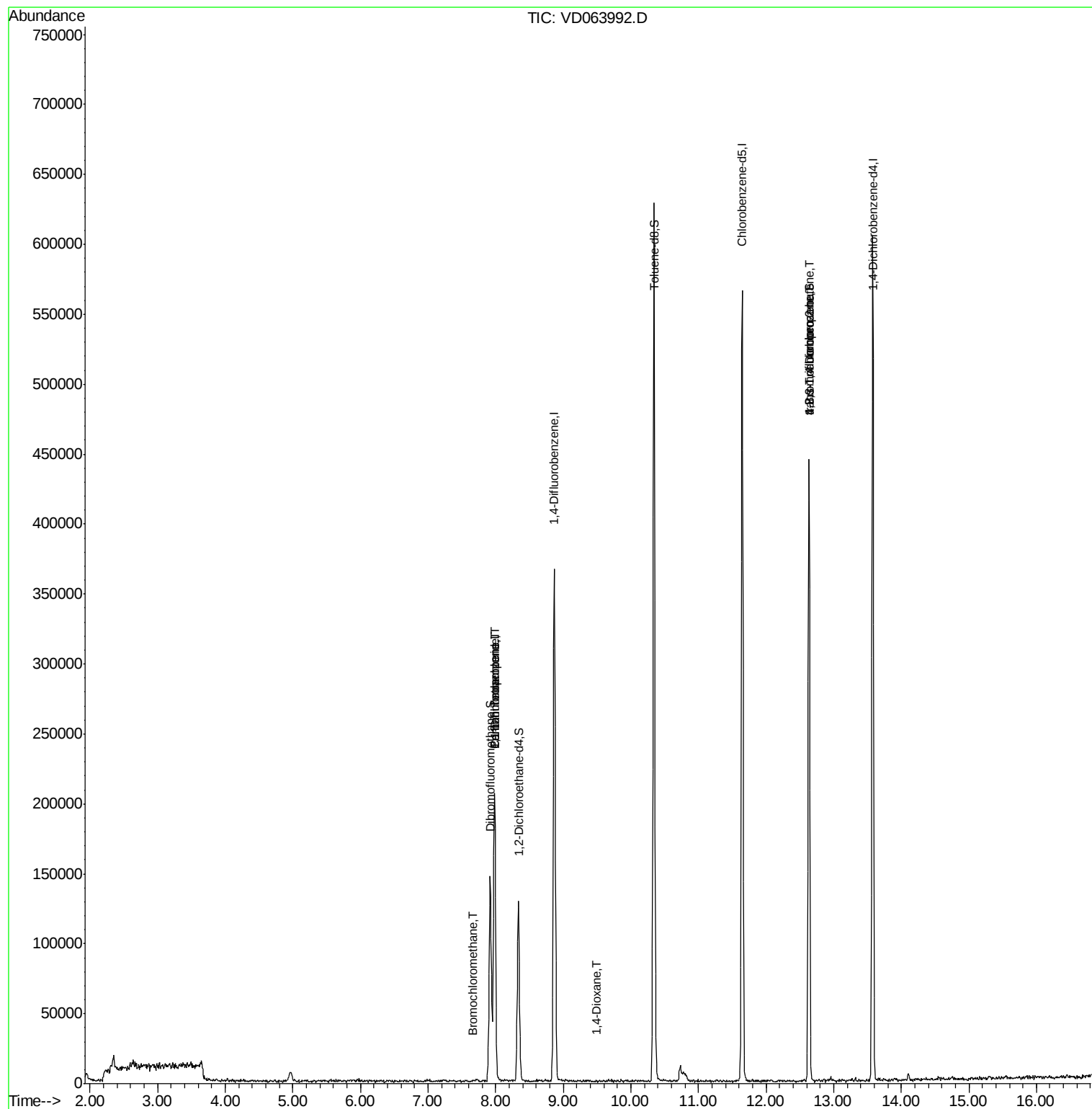
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	264	Below Cal	#	40
11) Tert butyl alcohol	5.26	59	59	Below Cal	#	71
20) Methylene Chloride	4.96	84	4938	Below Cal	#	68
28) Bromochloromethane	7.67	49	80	1.938	ug/l #	10
31) Cyclohexane	7.99	56	3657	Below Cal	#	33
36) 1,1-Dichloropropene	7.98	75	12635	4.586	ug/l #	50
37) Ethyl Acetate	7.24	43	270	Below Cal	#	75
38) Carbon Tetrachloride	7.99	117	16125	5.791	ug/l #	20
49) 1,4-Dioxane	9.49	88	89	5.924	ug/l #	71
76) 1,2,3-Trichloropropane	12.64	75	70216	68.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	70216	121.991	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.77	75	61	Below Cal	#	50

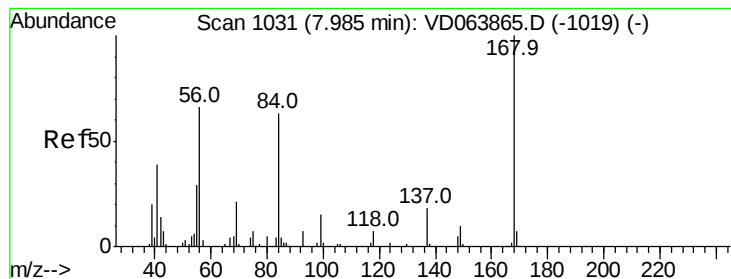
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD063992.D

Acq: 16 Oct 2019 17:40

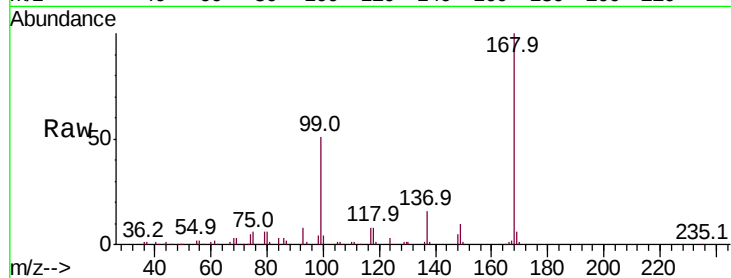
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 155535

Ion Ratio Lower Upper

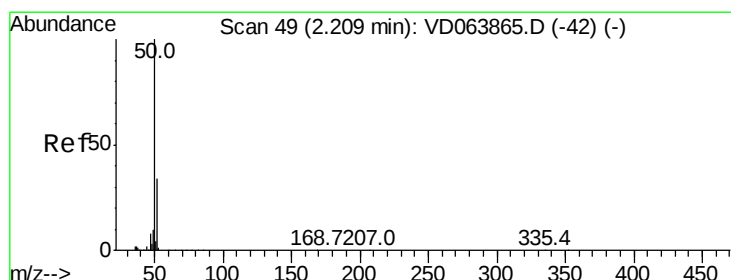
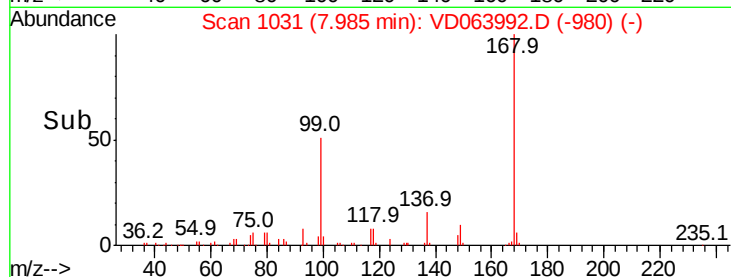
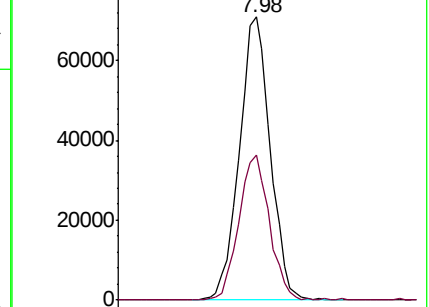
168 100

99 51.3 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: VD063992.D

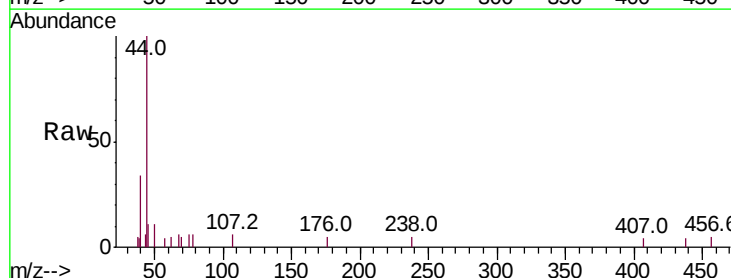
Acq: 16 Oct 2019 17:40

Tgt Ion: 50 Resp: 264

Ion Ratio Lower Upper

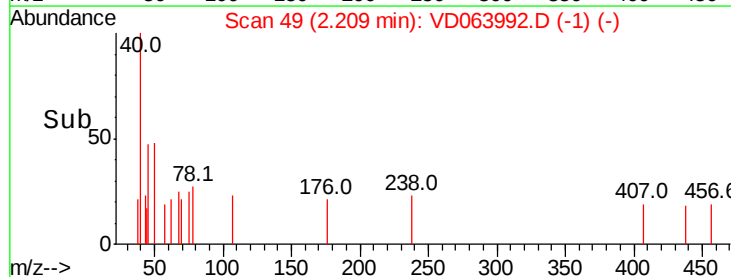
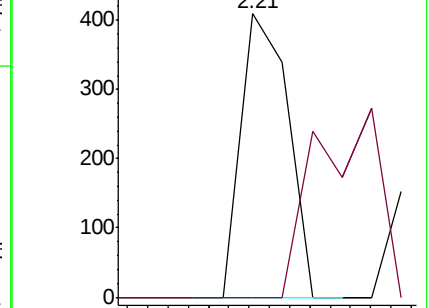
50 100

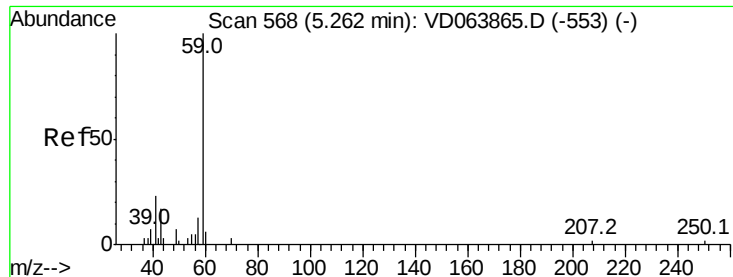
52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



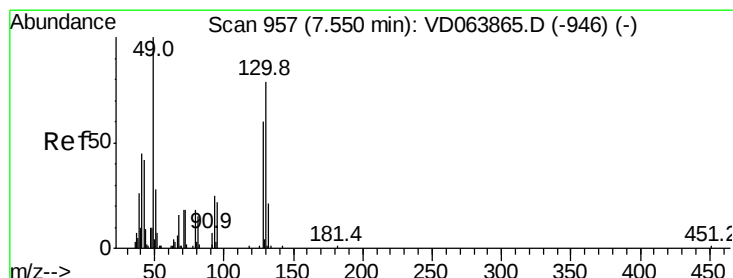
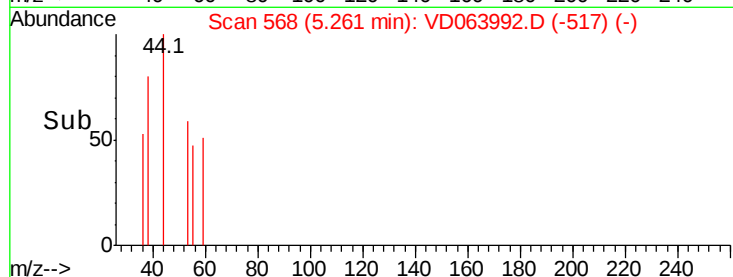
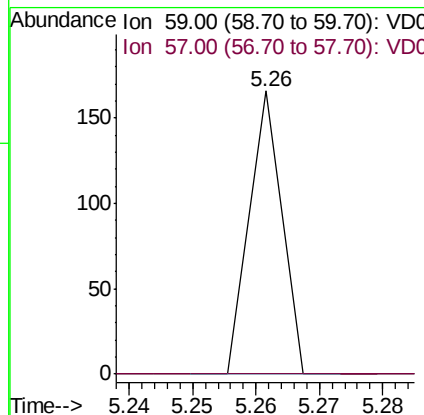
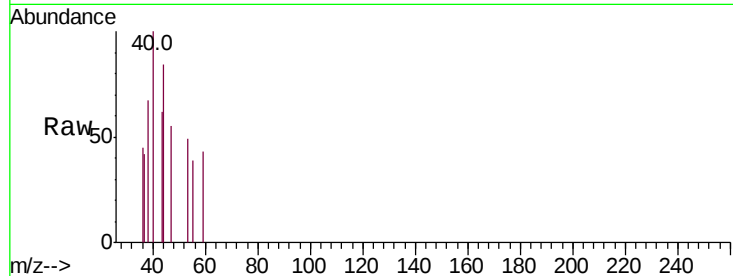


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD063992.D
 Acq: 16 Oct 2019 17:40

Instrument :
 MSVOA_D
 ClientSampleId :

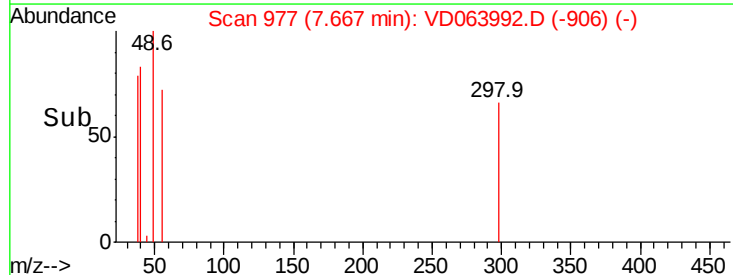
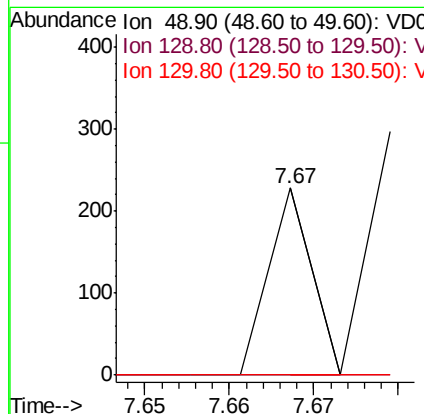
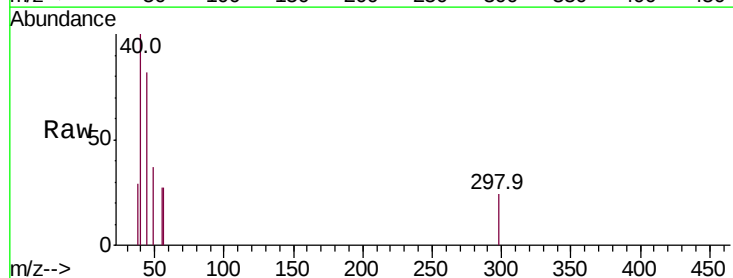
Tot Ion: 59 Resp: 59
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.8 13.2#

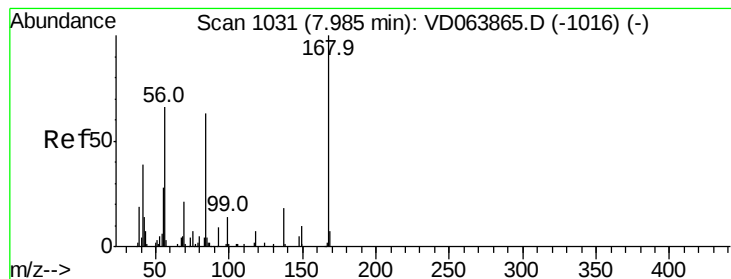


#28

Bromochloromethane
 Concen: 1.938 ug/l
 RT: 7.67 min Scan# 977
 Delta R.T. 0.12 min
 Lab File: VD063992.D
 Acq: 16 Oct 2019 17:40

Tgt Ion: 49 Resp: 80
 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: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

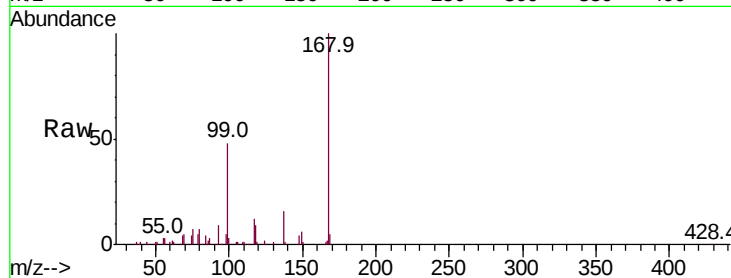
Tot Ion: 56 Resp: 3657

Ion Ratio Lower Upper

56 100

69 150.2 25.0 37.4#

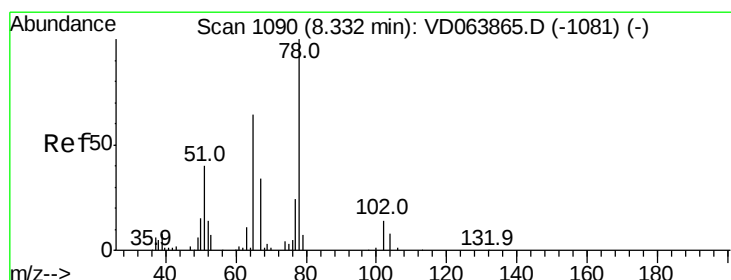
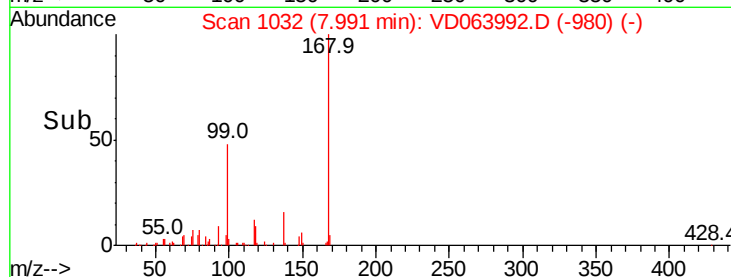
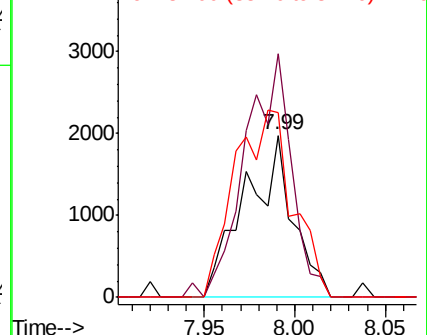
84 113.8 76.3 114.5



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: 65.699 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063992.D

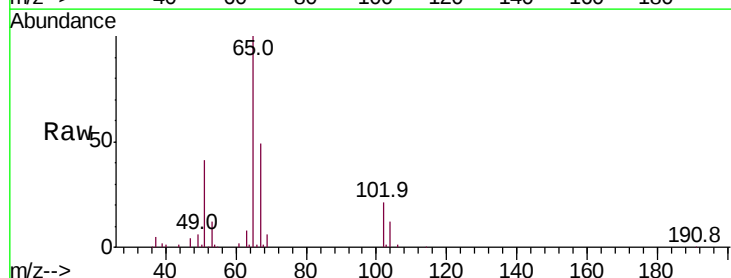
Acq: 16 Oct 2019 17:40

Tgt Ion: 65 Resp: 99485

Ion Ratio Lower Upper

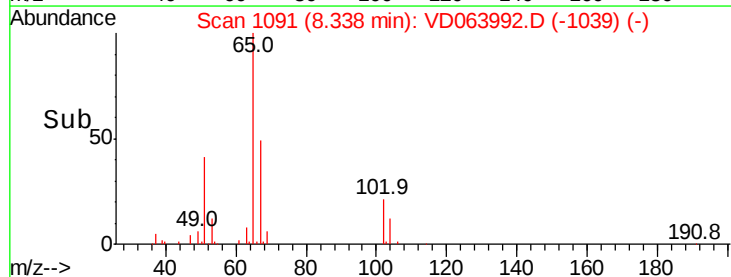
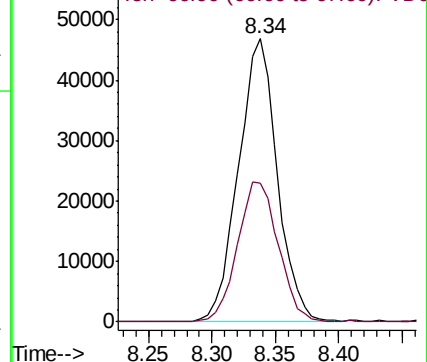
65 100

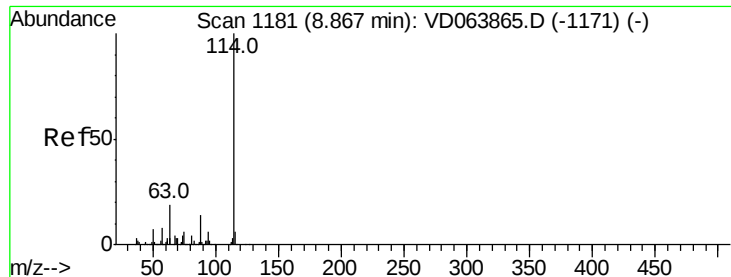
67 51.9 0.0 106.4



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

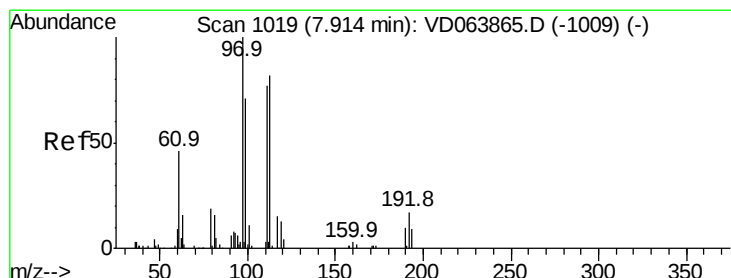
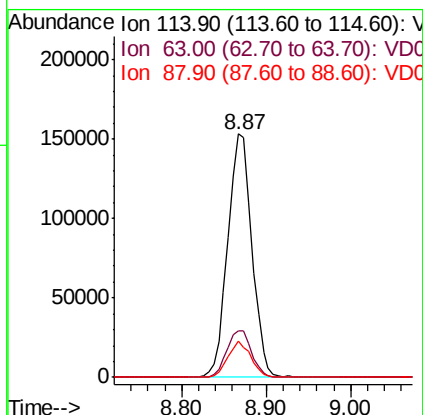
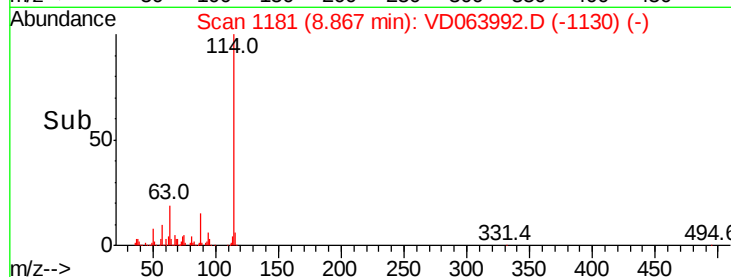
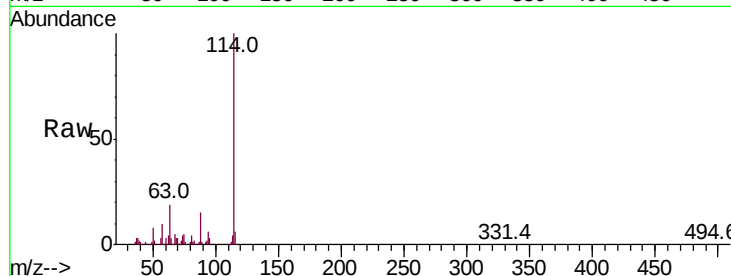
Delta R.T. -0.00 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.4
88	15.0	0.0	27.4



#35

Dibromofluoromethane

Concen: 51.103 ug/l

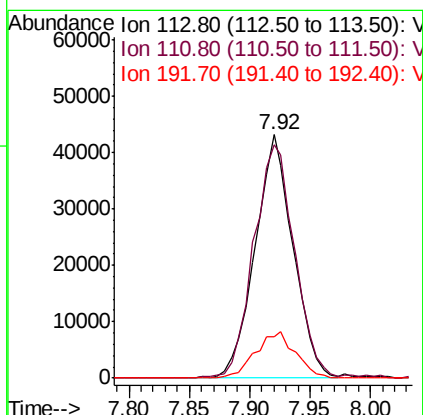
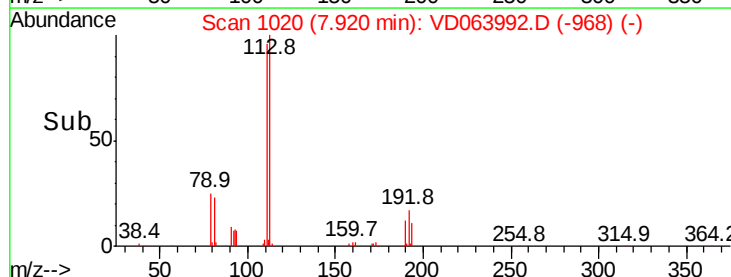
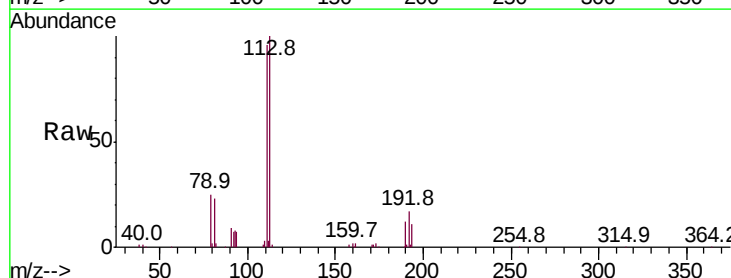
RT: 7.92 min Scan# 1020

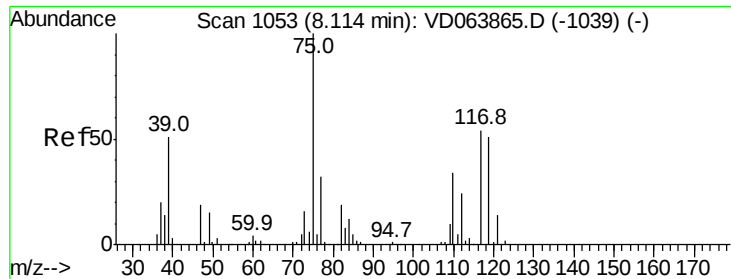
Delta R.T. 0.01 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	20.0	17.1	25.7

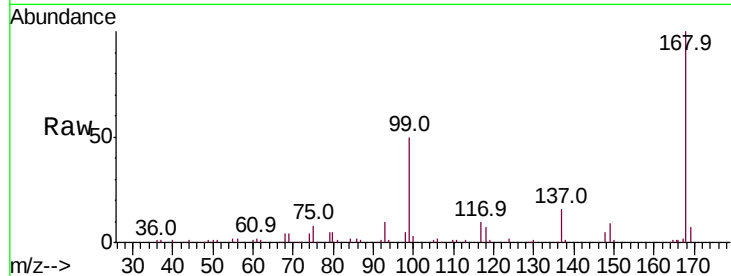




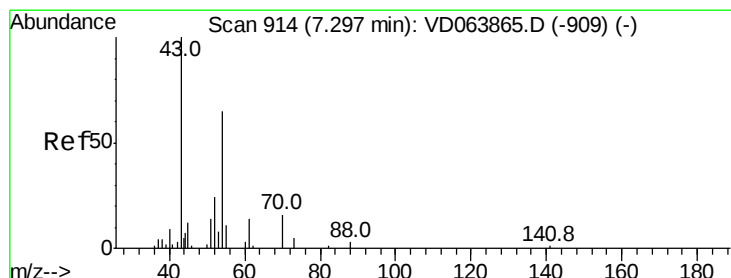
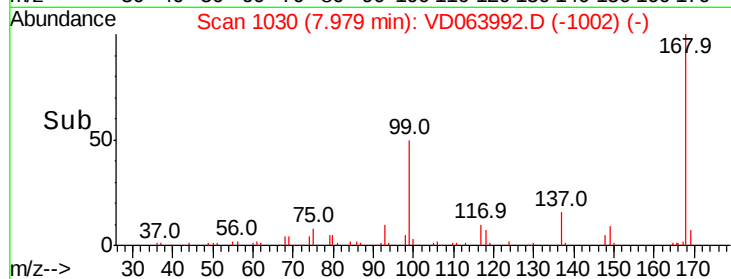
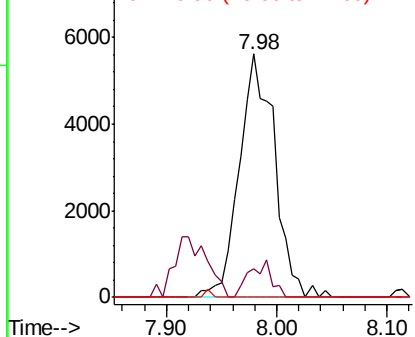
#36
 1,1-Dichloropropene
 Concen: 4.586 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD063992.D
 Acq: 16 Oct 2019 17:40

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 75 Resp: 12635
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.4 52.3#
 77 0.0 25.4 38.0#

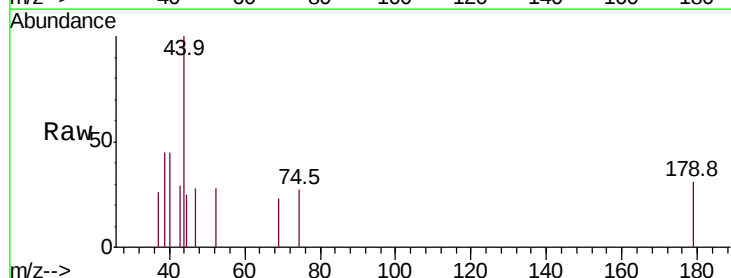


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

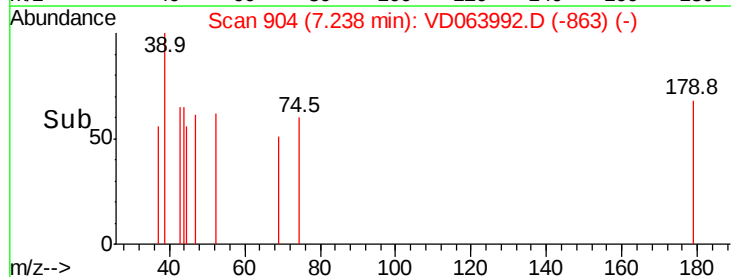
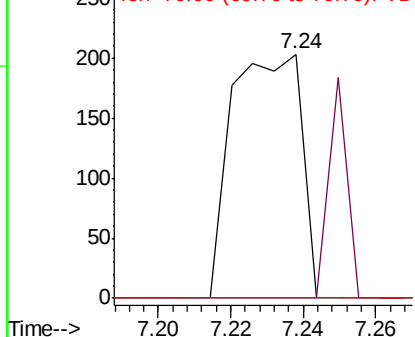


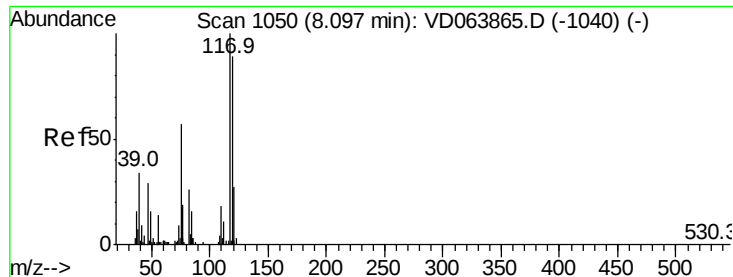
#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 7.24 min Scan# 904
 Delta R.T. -0.06 min
 Lab File: VD063992.D
 Acq: 16 Oct 2019 17:40

Tgt Ion: 43 Resp: 270
 Ion Ratio Lower Upper
 43 100
 61 24.1 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: 5.791 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.11 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

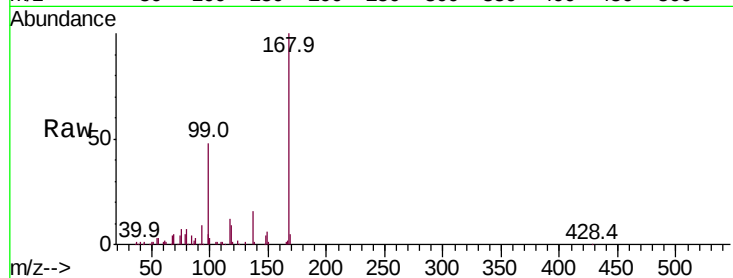
Tot Ion:117 Resp: 16125

Ion Ratio Lower Upper

117 100

119 5.9 70.8 106.2#

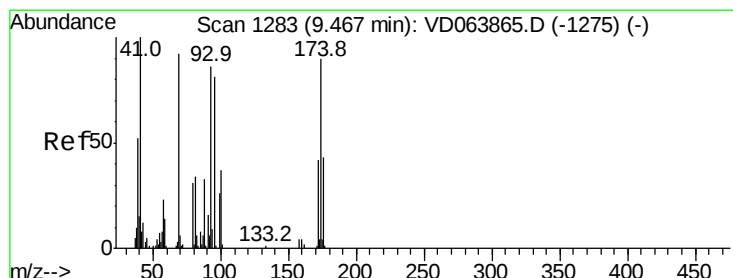
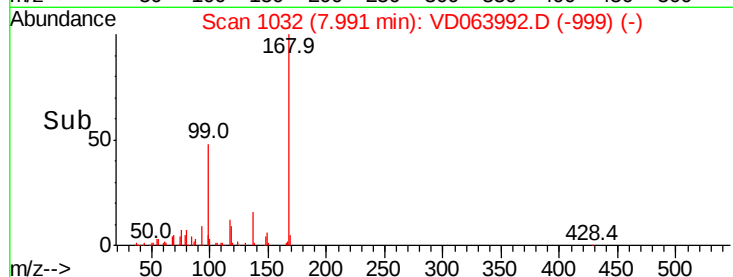
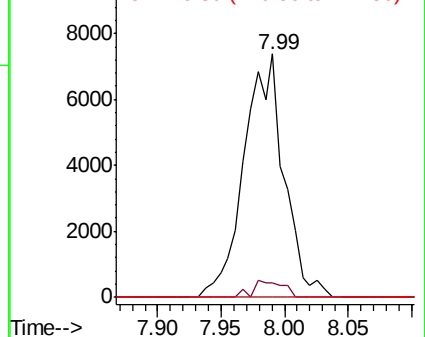
121 0.0 21.4 32.0#



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: 5.924 ug/l

RT: 9.49 min Scan# 1287

Delta R.T. 0.02 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

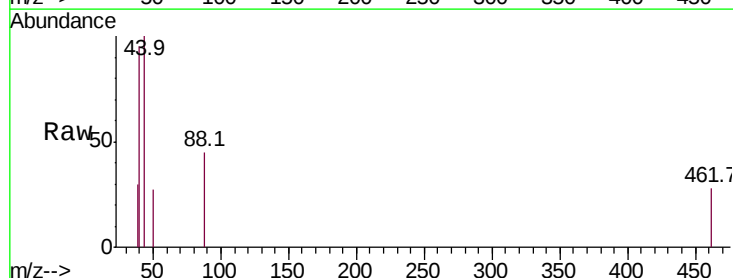
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

43 74.2 27.6 41.4#

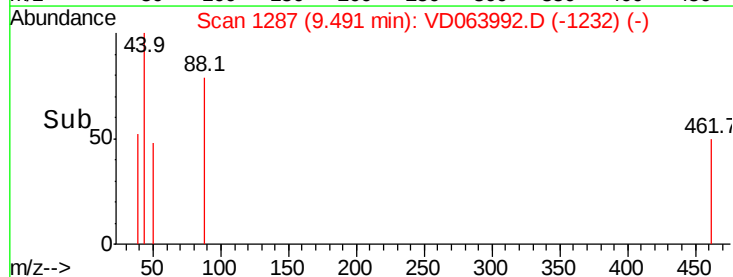
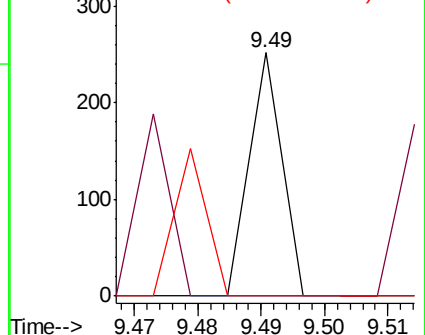
58 60.7 54.1 81.1

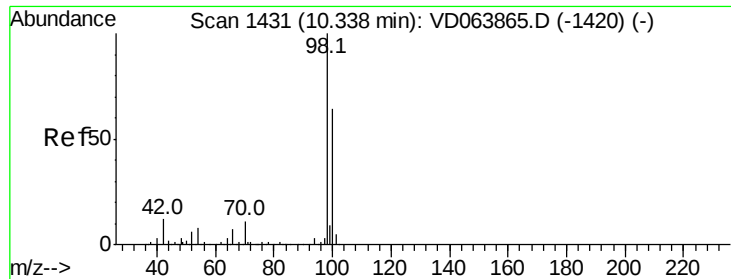


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 56.080 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

Instrument :

MSVOA_D

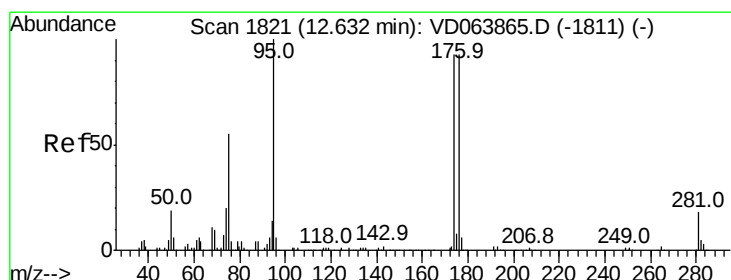
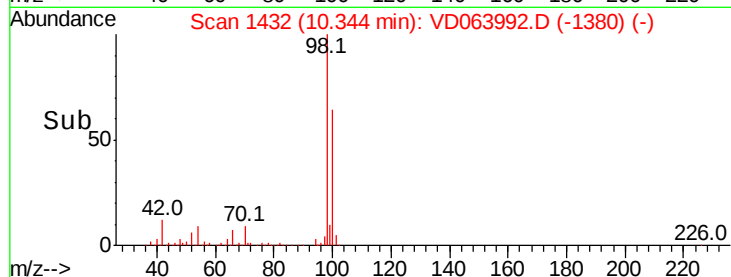
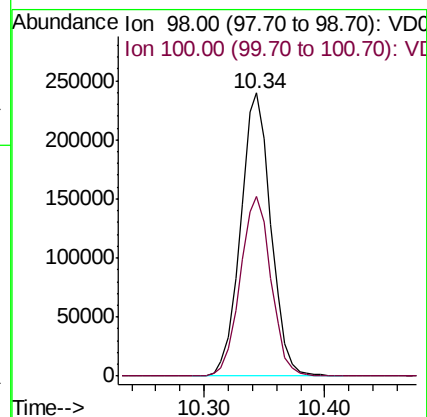
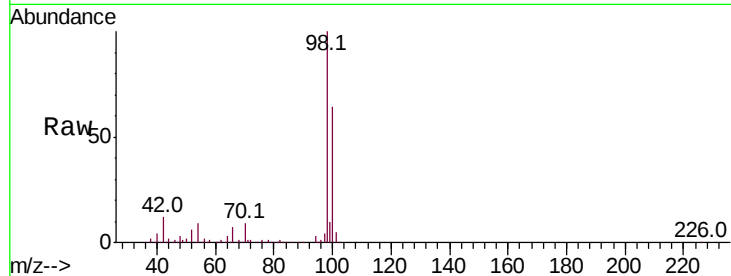
ClientSampleId :

Tot Ion: 98 Resp: 419199

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 47.244 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

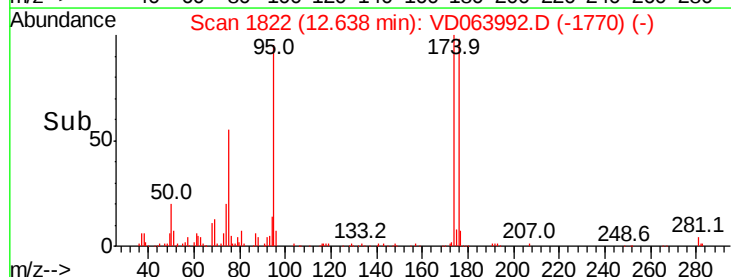
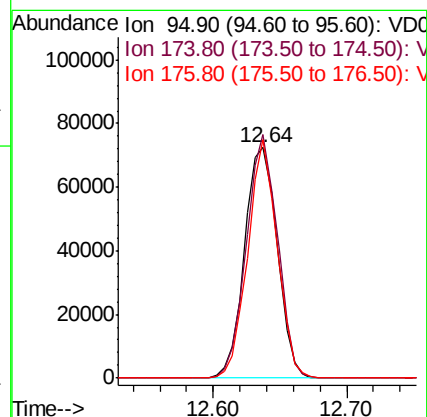
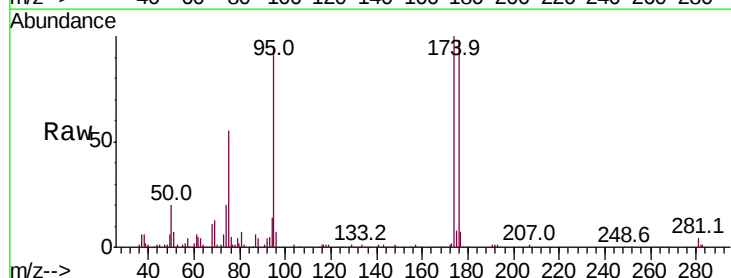
Tgt Ion: 95 Resp: 122719

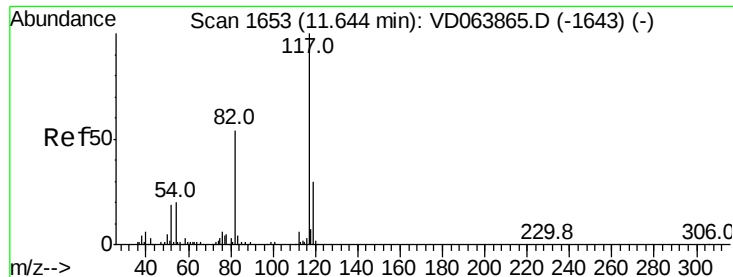
Ion Ratio Lower Upper

95 100

174 100.5 0.0 186.4

176 92.4 0.0 184.2

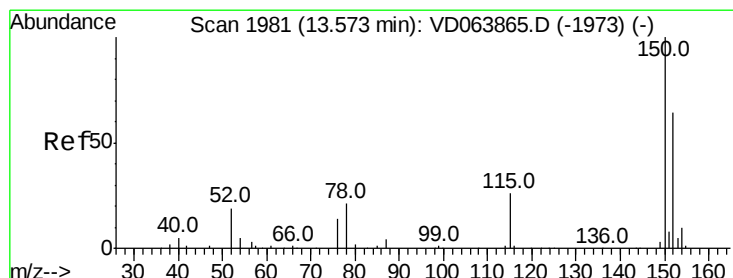
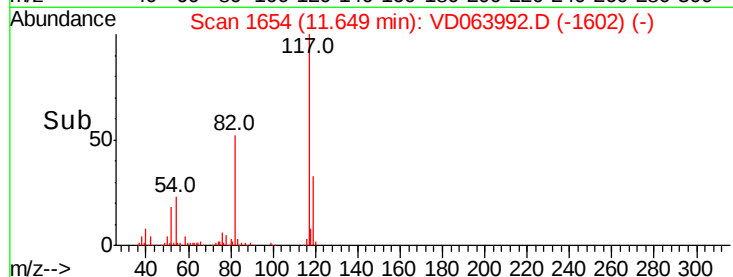
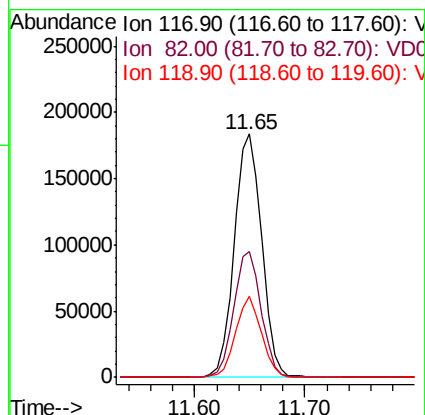
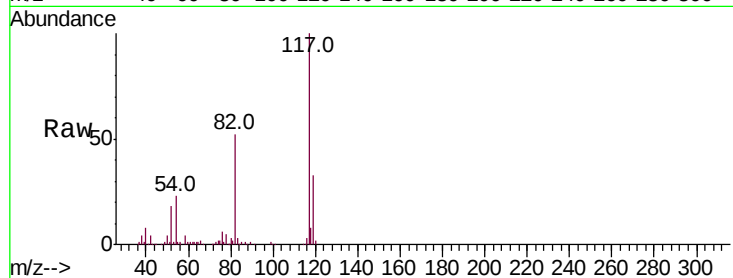




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063992.D
Acq: 16 Oct 2019 17:40

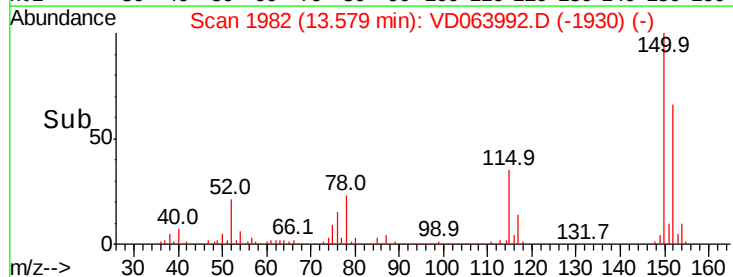
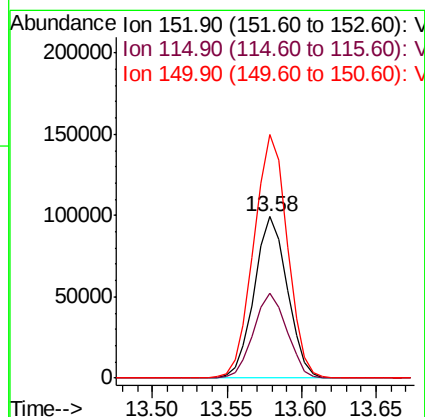
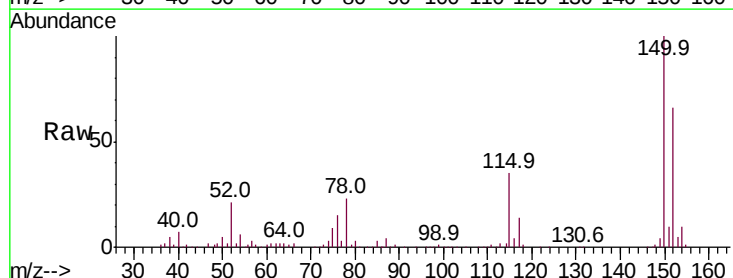
Instrument :
MSVOA_D
ClientSampleId :

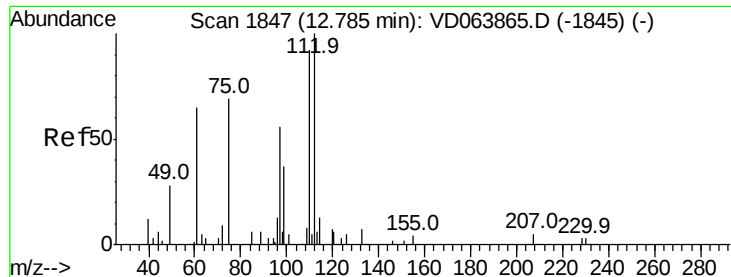
Tot Ion:117 Resp: 320031
Ion Ratio Lower Upper
117 100
82 51.9 42.8 64.2
119 33.2 24.4 36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063992.D
Acq: 16 Oct 2019 17:40

Tgt Ion:152 Resp: 152074
Ion Ratio Lower Upper
152 100
115 53.4 25.9 77.7
150 153.2 0.0 344.2





#76

1,2,3-Trichloropropane

Concen: 68.937 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

Instrument :

MSVOA_D

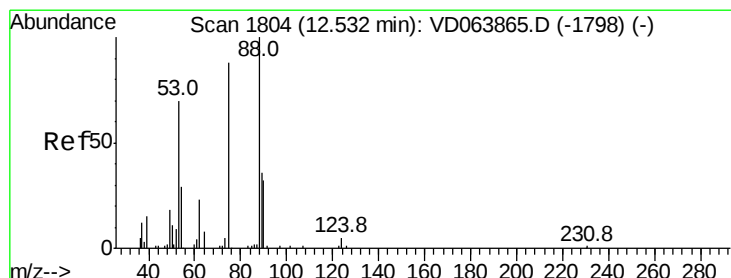
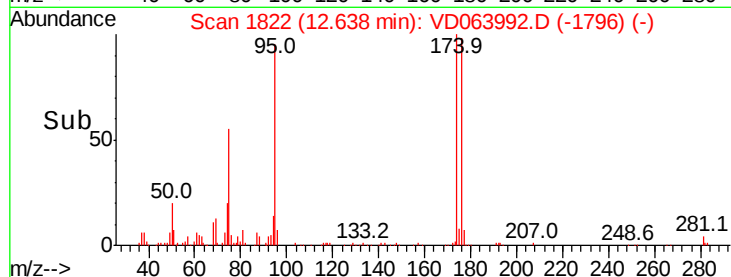
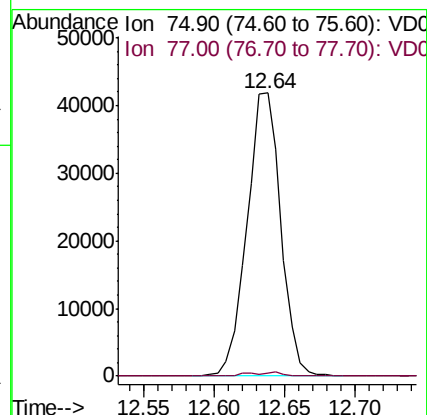
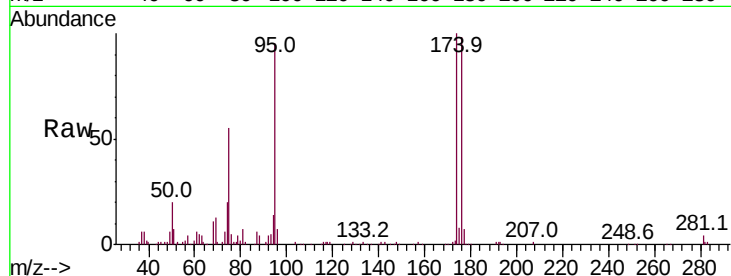
ClientSampleId :

Tot Ion: 75 Resp: 70216

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.991 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

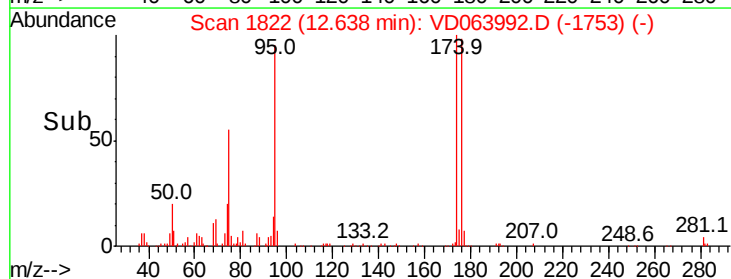
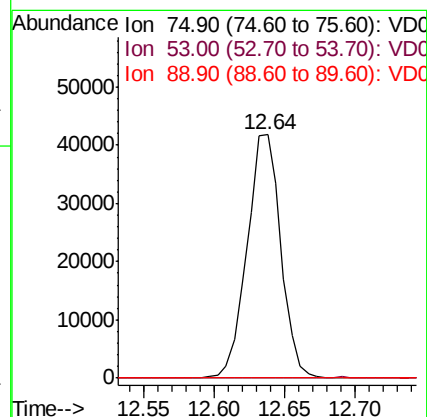
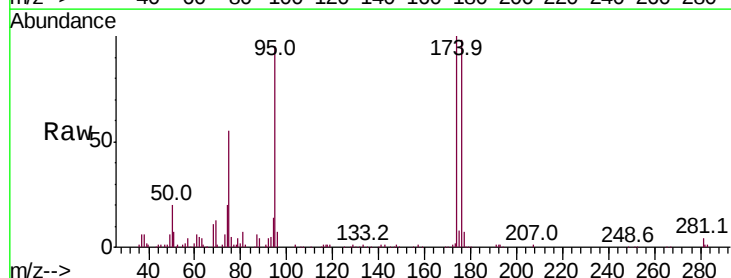
Tgt Ion: 75 Resp: 70216

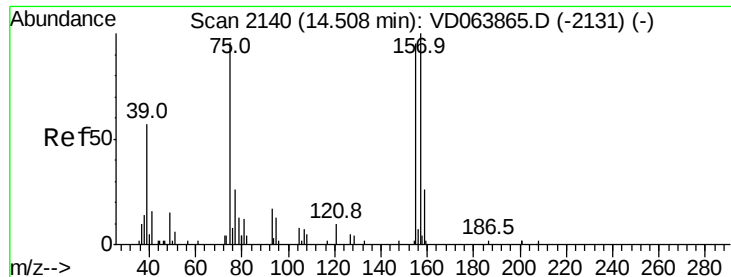
Ion Ratio Lower Upper

75 100

53 0.0 75.0 112.6#

89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.77 min Scan# 2185

Delta R.T. 0.26 min

Lab File: VD063992.D

Acq: 16 Oct 2019 17:40

Instrument :

MSVOA_D

ClientSampleId :

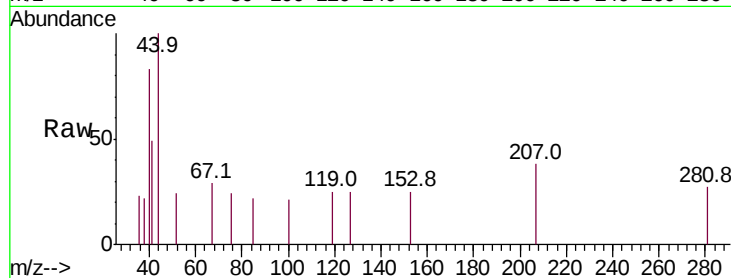
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 95.1 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

