

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065154.D
 Acq On : 11 Feb 2020 19:59
 Operator : VA/SY
 Sample : L1491-09
 Misc : 7.43G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:59:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	510313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	822456	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	863320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	434879	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	229575	52.93	ug/l	0.00
Spiked Amount						
			Recovery	=	105.86%	
35) Dibromofluoromethane	7.92	113	251229	54.75	ug/l	0.00
Spiked Amount						
			Recovery	=	109.50%	
50) Toluene-d8	10.34	98	1014214	55.53	ug/l	0.00
Spiked Amount						
			Recovery	=	111.06%	
62) 4-Bromofluorobenzene	12.64	95	382488	66.09	ug/l	0.00
Spiked Amount						
			Recovery	=	132.18%	

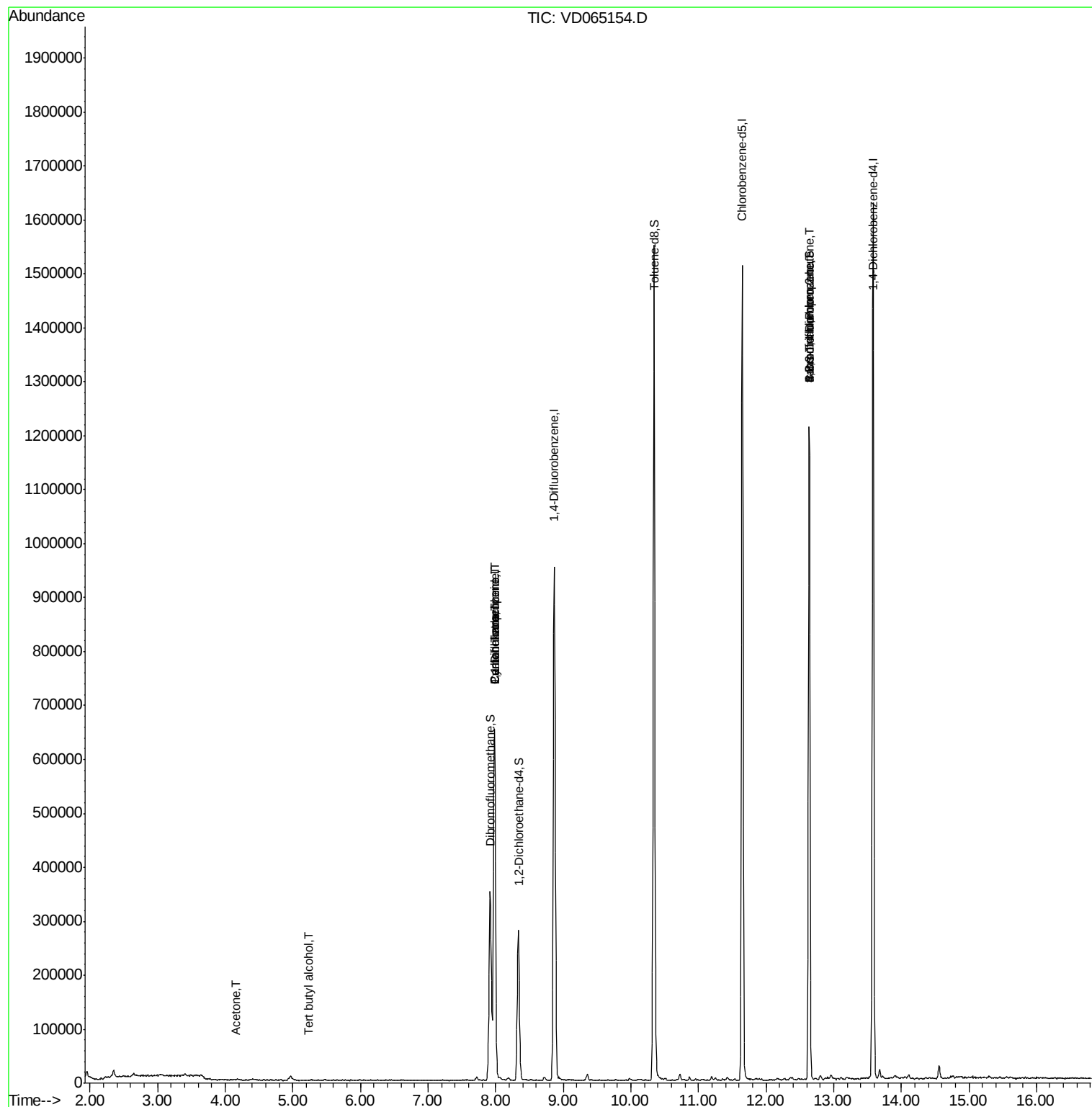
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	307	1.158	ug/l #	71
16) Acetone	4.17	43	2853	2.631	ug/l #	45
20) Methylene Chloride	4.97	84	5437	Below Cal	#	73
31) Cyclohexane	7.98	56	10935	1.267	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	36622	4.789	ug/l #	48
38) Carbon Tetrachloride	7.98	117	46002	5.890	ug/l #	15
71) Bromoform	12.64	173	3428	1.033	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	193945	58.905	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	193945	117.806	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
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: VD065154.D

Acq: 11 Feb 2020 19:59

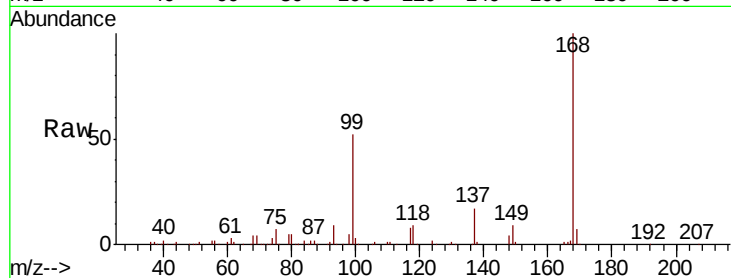
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 510313

Ion Ratio Lower Upper

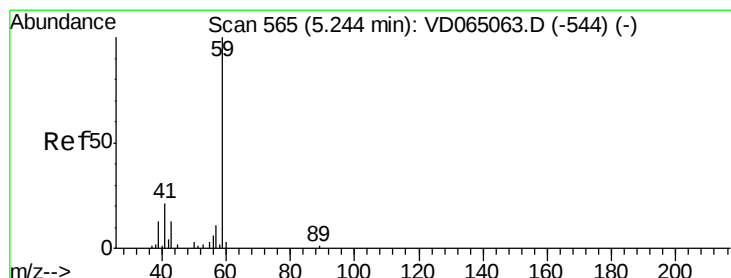
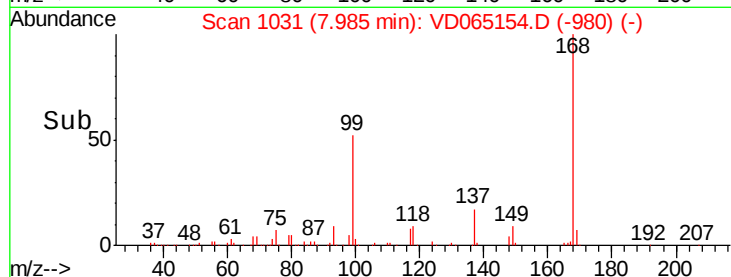
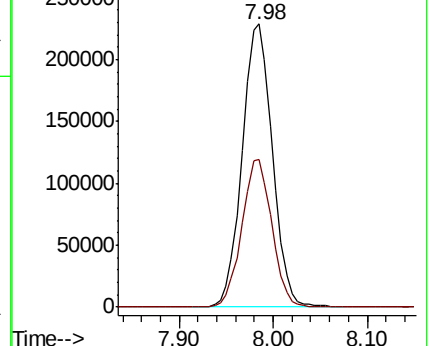
168 100

99 52.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.158 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065154.D

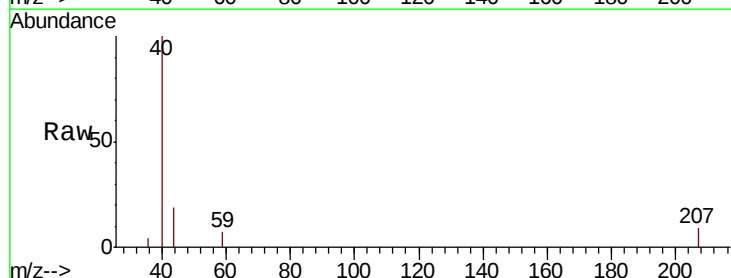
Acq: 11 Feb 2020 19:59

Tgt Ion: 59 Resp: 307

Ion Ratio Lower Upper

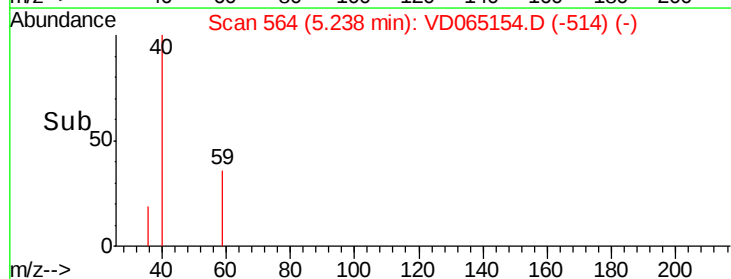
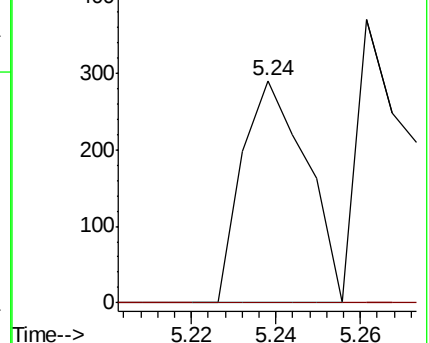
59 100

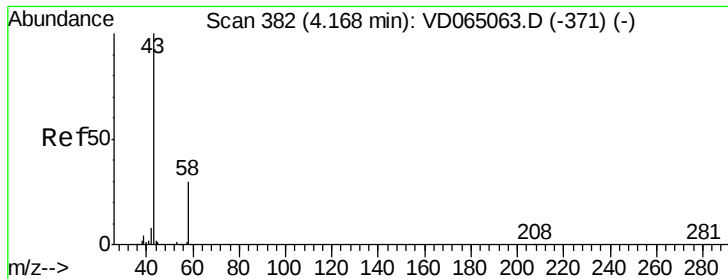
57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 2.631 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065154.D

Acq: 11 Feb 2020 19:59

Instrument :

MSVOA_D

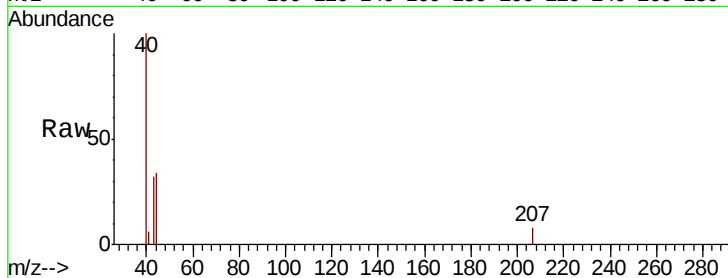
ClientSampleId :

Tot Ion: 43 Resp: 2853

Ion Ratio Lower Upper

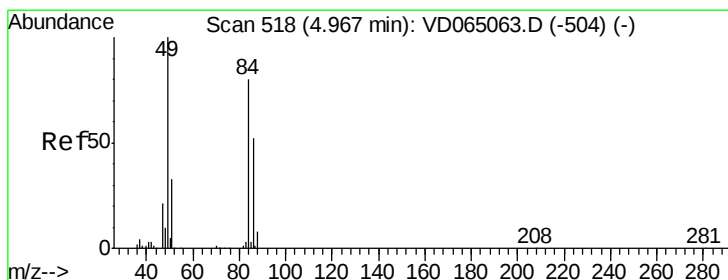
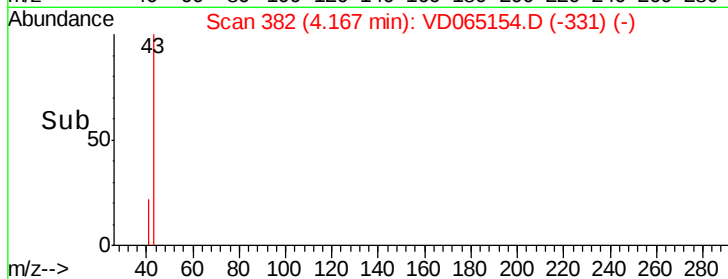
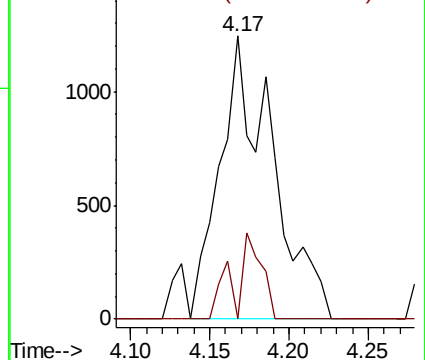
43 100

58 0.0 23.5 35.3#



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# 518

Delta R.T. 0.00 min

Lab File: VD065154.D

Acq: 11 Feb 2020 19:59

Tgt Ion: 84 Resp: 5437

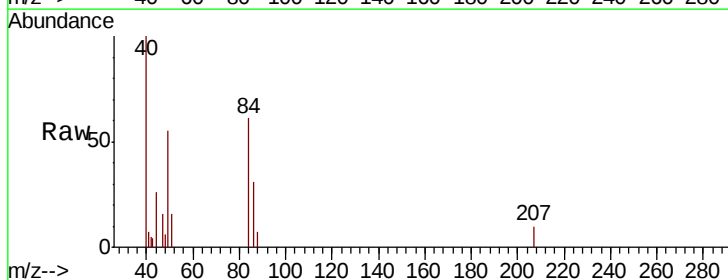
Ion Ratio Lower Upper

84 100

49 89.1 100.4 150.6#

51 25.9 32.7 49.1#

86 50.0 52.4 78.6#

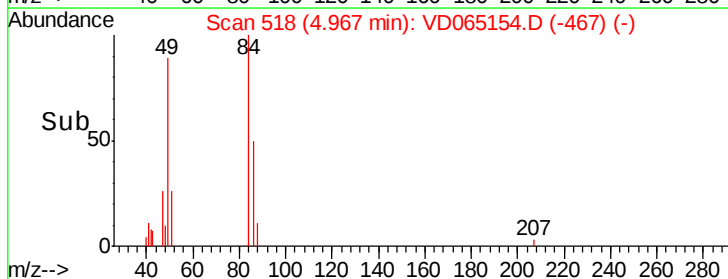
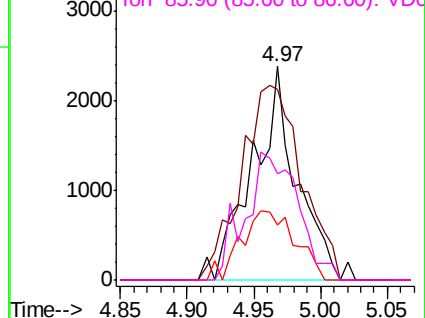


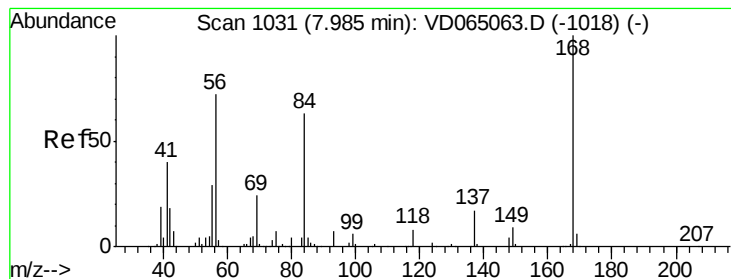
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#31

Cyclohexane

Concen: 1.267 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065154.D

Acq: 11 Feb 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

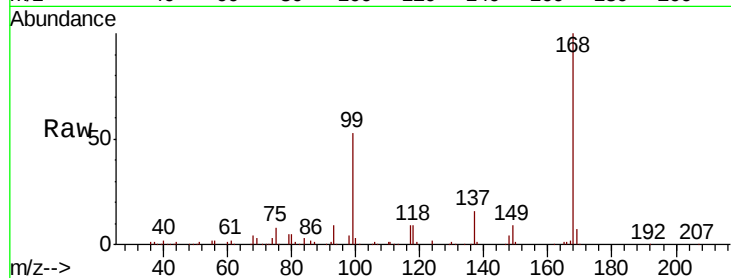
Tot Ion: 56 Resp: 10935

Ion Ratio Lower Upper

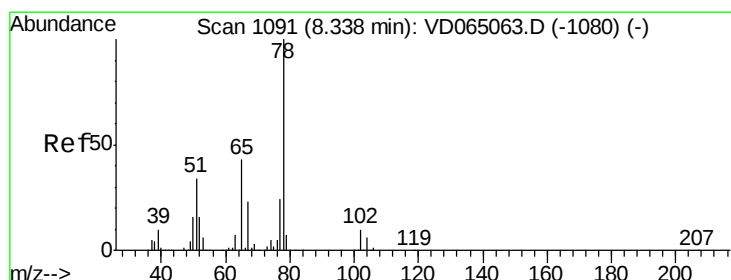
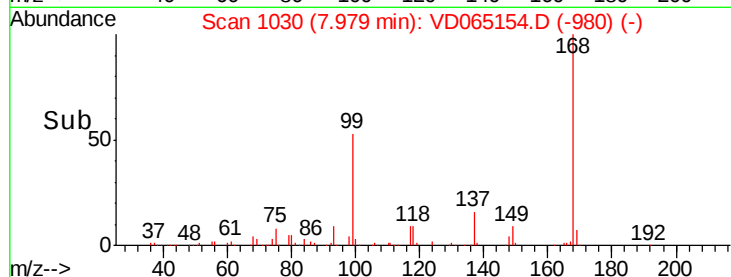
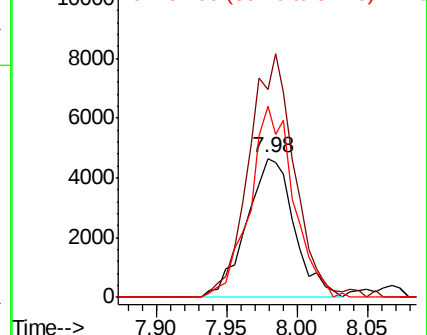
56 100

69 149.1 26.6 40.0#

84 137.6 70.6 106.0#



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: 52.931 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065154.D

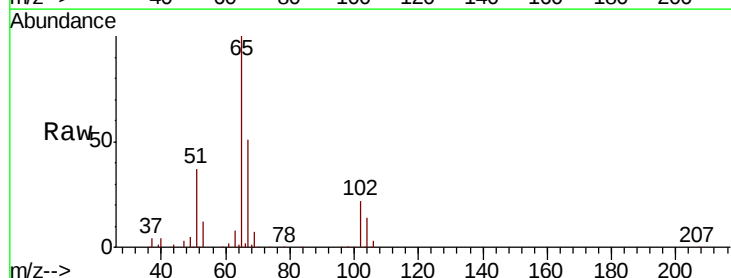
Acq: 11 Feb 2020 19:59

Tgt Ion: 65 Resp: 229575

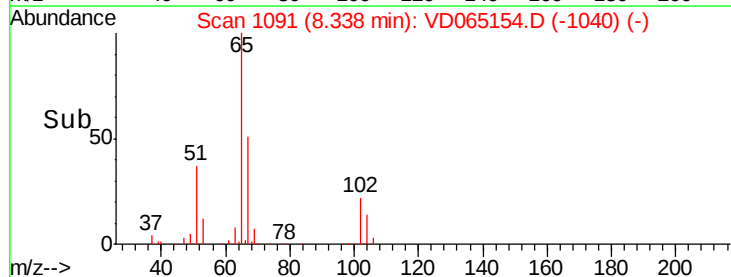
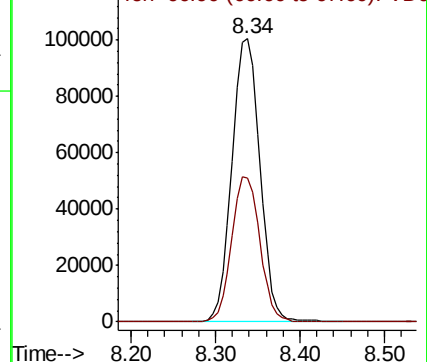
Ion Ratio Lower Upper

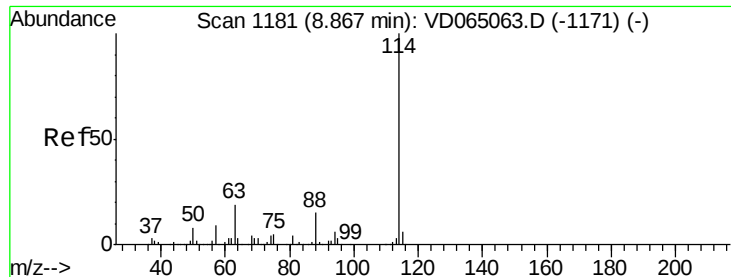
65 100

67 51.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

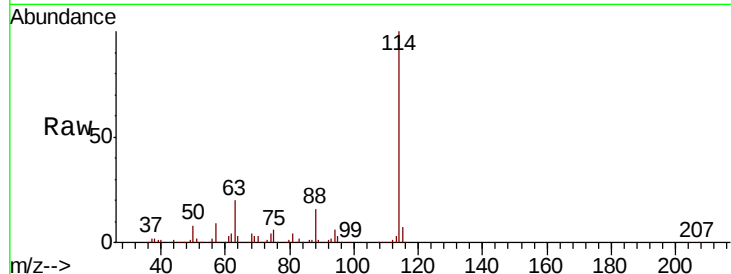




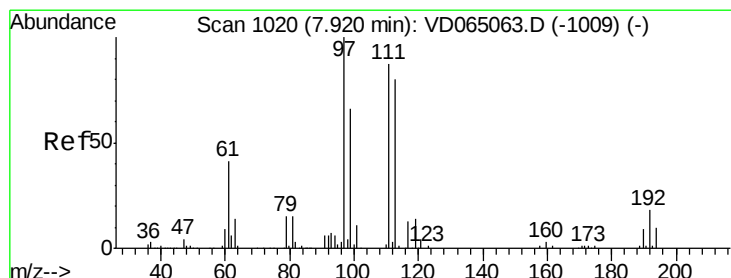
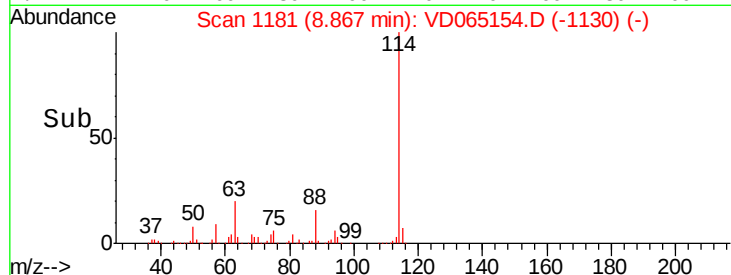
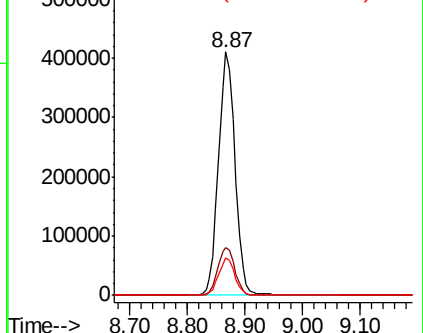
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065154.D
 Acq: 11 Feb 2020 19:59

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.8
88	15.6	0.0	29.6

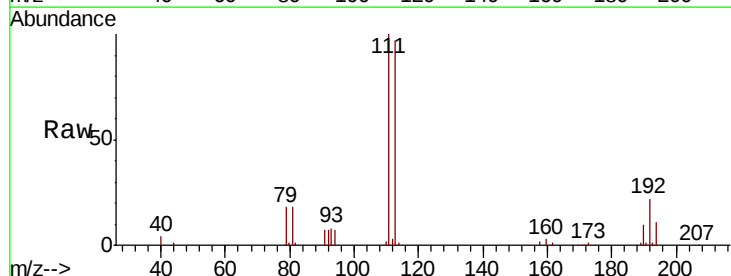


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

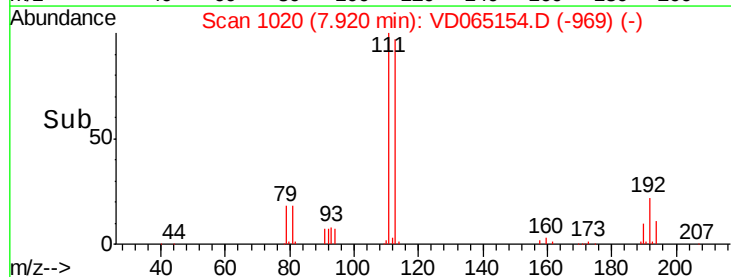
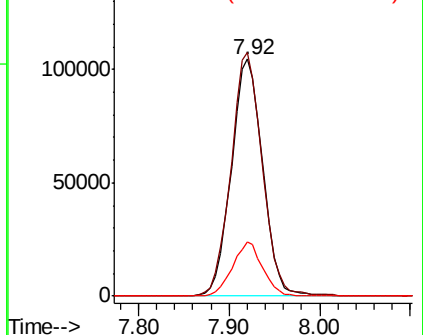


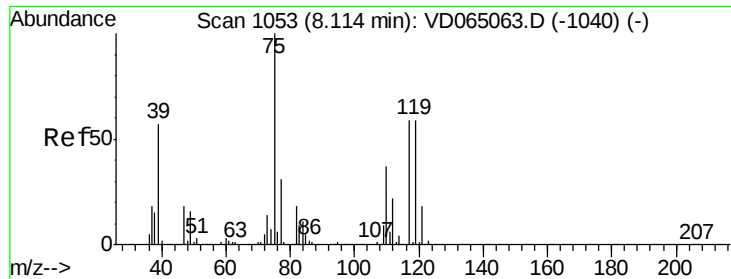
#35
 Dibromofluoromethane
 Concen: 54.748 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065154.D
 Acq: 11 Feb 2020 19:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	21.9	18.1	27.1



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

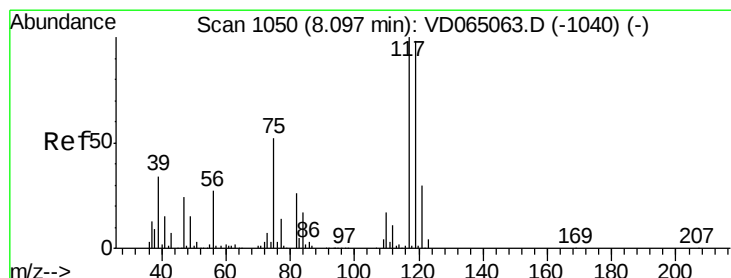
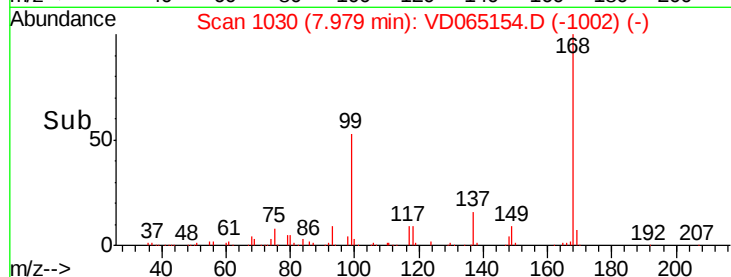
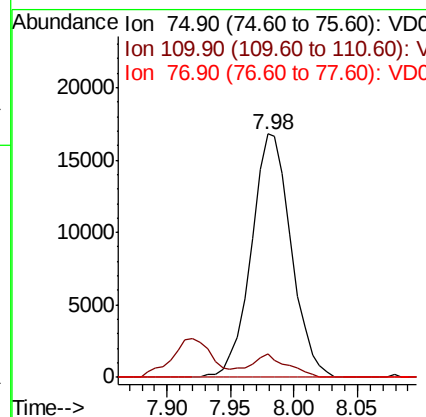
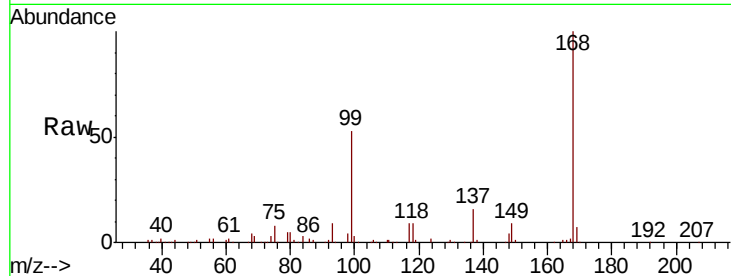




#36
 1,1-Dichloropropene
 Concen: 4.789 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065154.D
 Acq: 11 Feb 2020 19:59

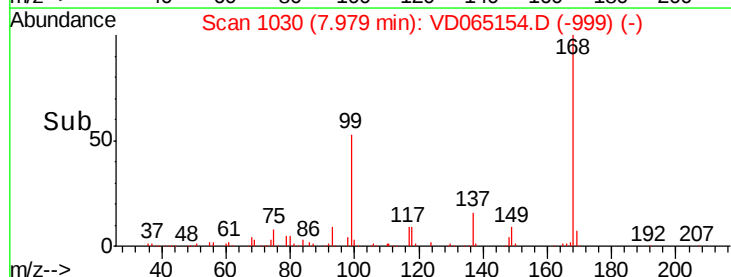
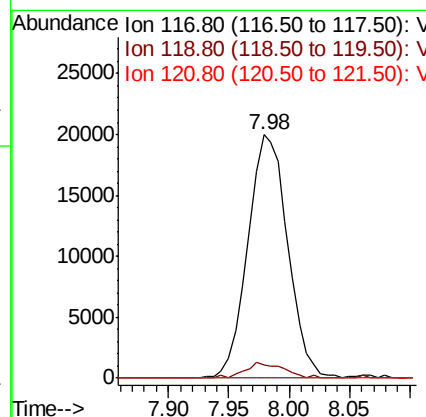
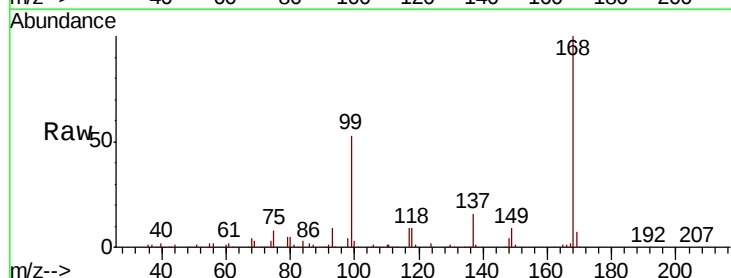
Instrument :
 MSVOA_D
 ClientSampled :

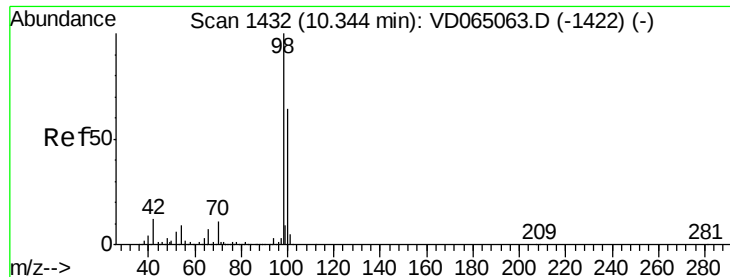
Tot Ion: 75 Resp: 36622
 Ion Ratio Lower Upper
 75 100
 110 7.7 18.1 54.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.890 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065154.D
 Acq: 11 Feb 2020 19:59

Tgt Ion: 117 Resp: 46002
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.5 117.7#
 121 0.0 23.8 35.6#





#50

Toluene-d8

Concen: 55.528 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065154.D

Acq: 11 Feb 2020 19:59

Instrument :

MSVOA_D

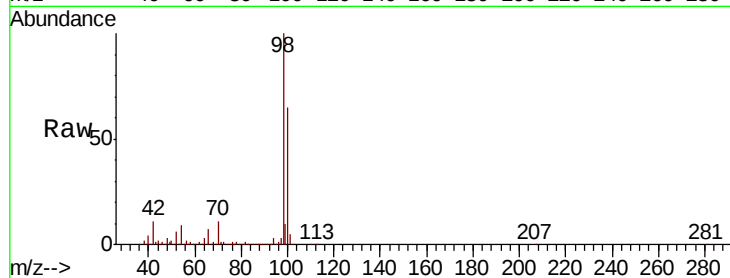
ClientSampleId :

Tot Ion: 98 Resp: 1014214

Ion Ratio Lower Upper

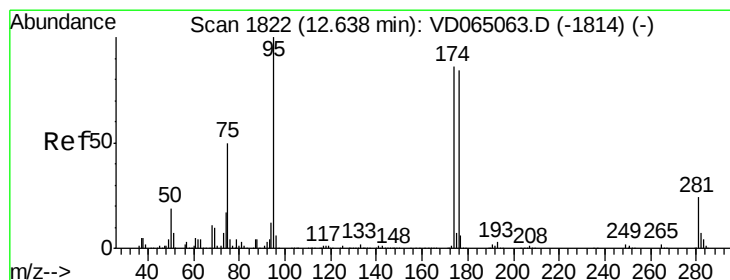
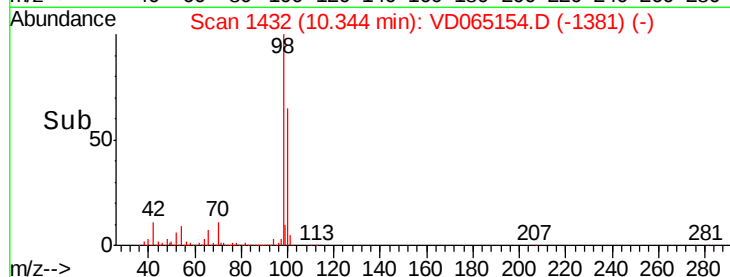
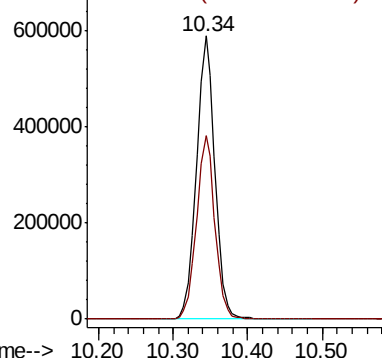
98 100

100 65.0 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: 66.090 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065154.D

Acq: 11 Feb 2020 19:59

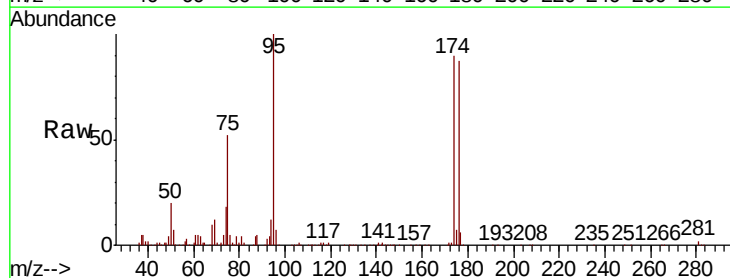
Tgt Ion: 95 Resp: 382488

Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.0

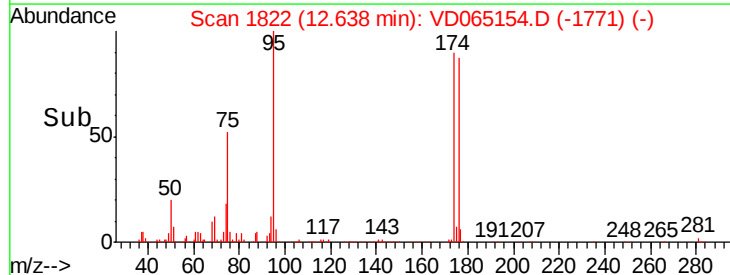
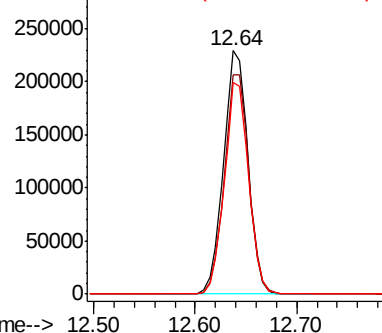
176 86.5 0.0 173.2

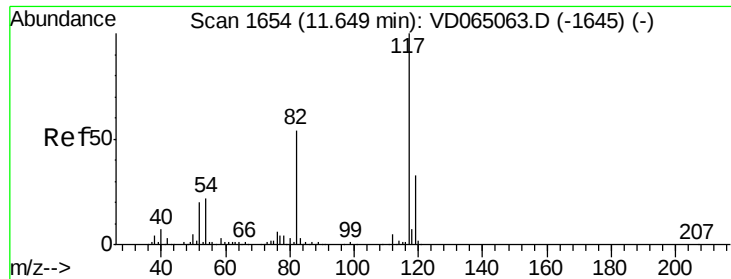


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

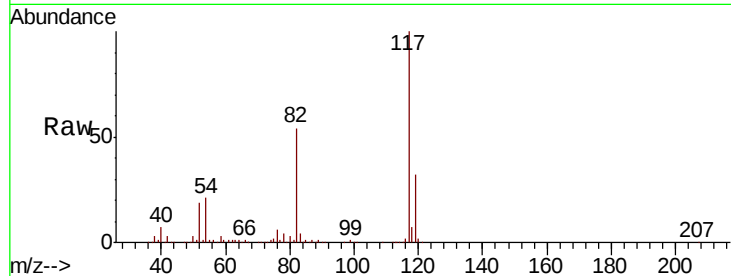




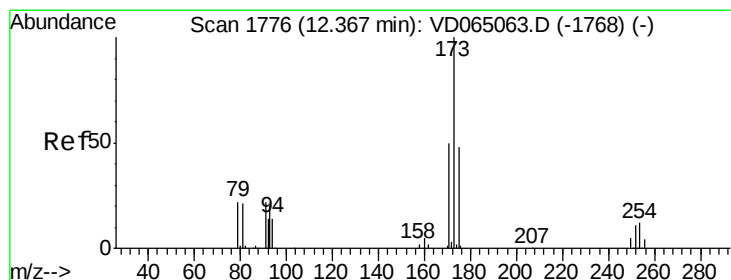
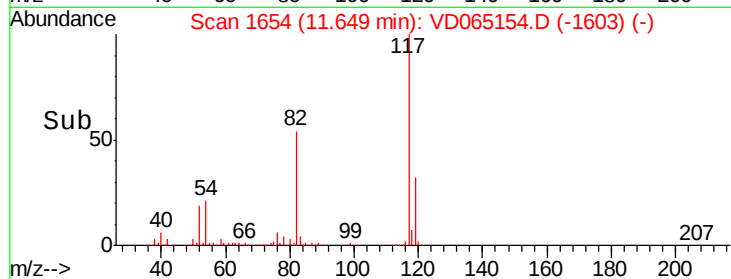
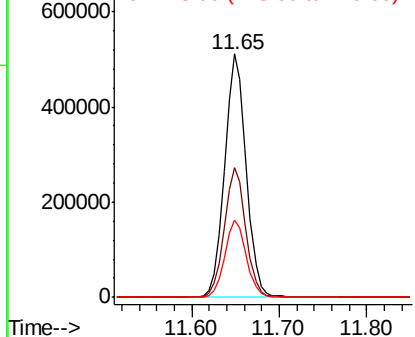
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065154.D
Acq: 11 Feb 2020 19:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 863320
Ion Ratio Lower Upper
117 100
82 53.5 43.1 64.7
119 31.9 26.0 39.0

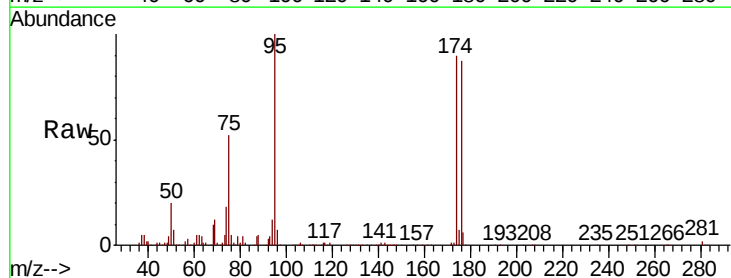


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

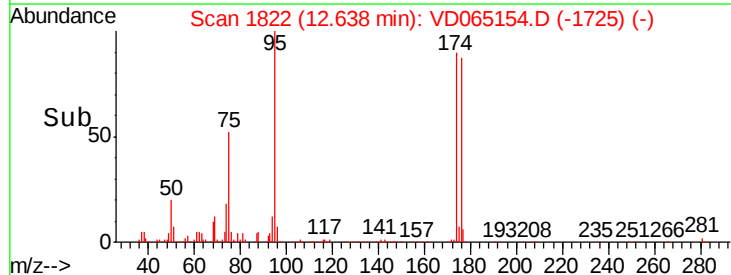
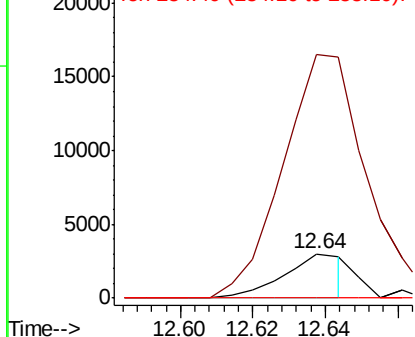


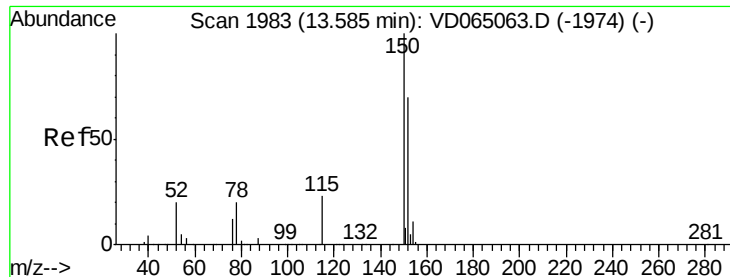
#71
Bromoform
Concen: 1.033 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065154.D
Acq: 11 Feb 2020 19:59

Tgt Ion:173 Resp: 3428
Ion Ratio Lower Upper
173 100
175 571.2 24.3 72.8#
254 0.0 0.1 0.1#



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



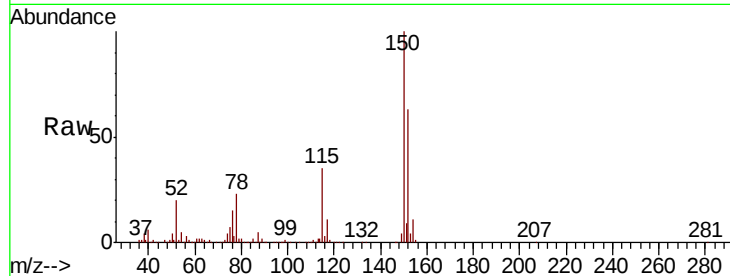


#72

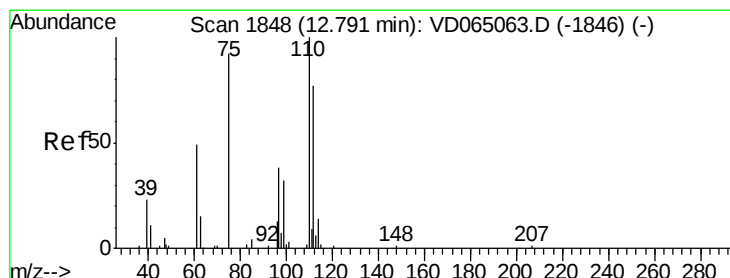
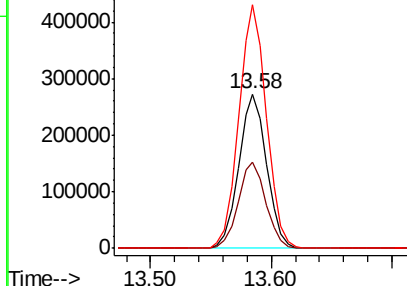
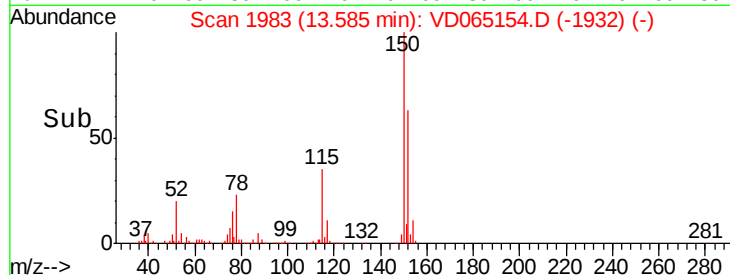
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065154.D
Acq: 11 Feb 2020 19:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 434879
Ion Ratio Lower Upper
152 100
115 55.5 27.5 82.4
150 156.6 0.0 343.2



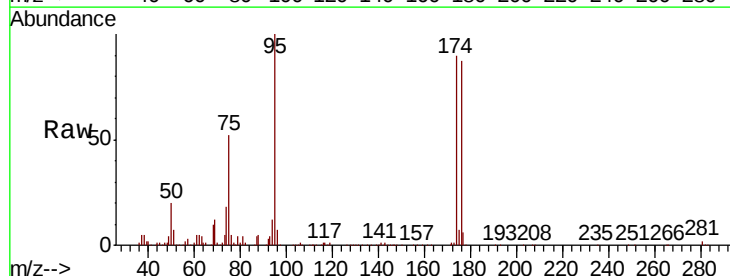
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



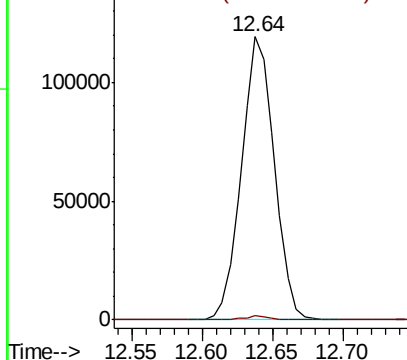
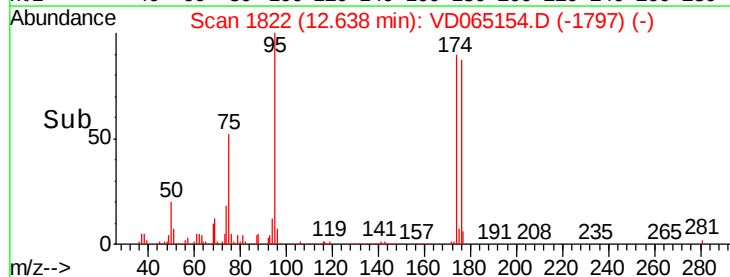
#76

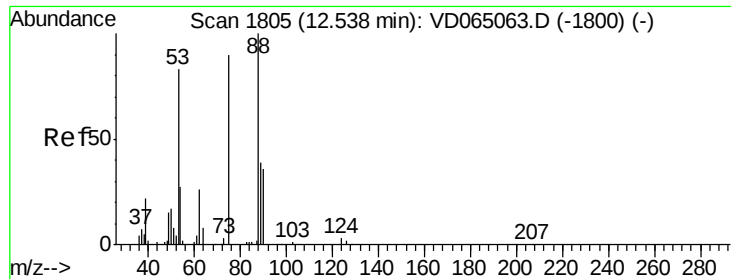
1,2,3-Trichloropropane
Concen: 58.905 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065154.D
Acq: 11 Feb 2020 19:59

Tgt Ion: 75 Resp: 193945
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 117.806 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065154.D

Acq: 11 Feb 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

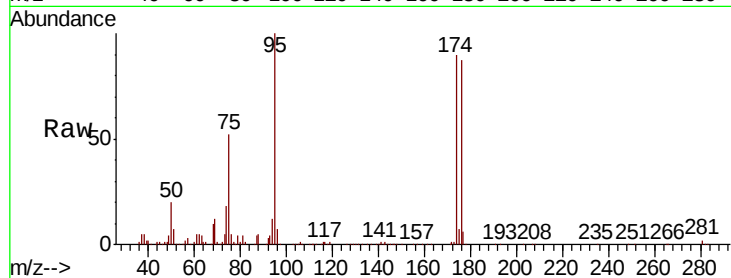
Tot Ion: 75 Resp: 193945

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.0 55.4#



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

