

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
 Data File : VD065032.D
 Acq On : 31 Jan 2020 14:24
 Operator : VA/SY
 Sample : L1325-09
 Misc : 6.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 200059

Quant Time: Jan 31 15:19:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	806276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	781035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	364627	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	242478	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.92	113	250884	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.34	98	986613	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.64	95	325870	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	

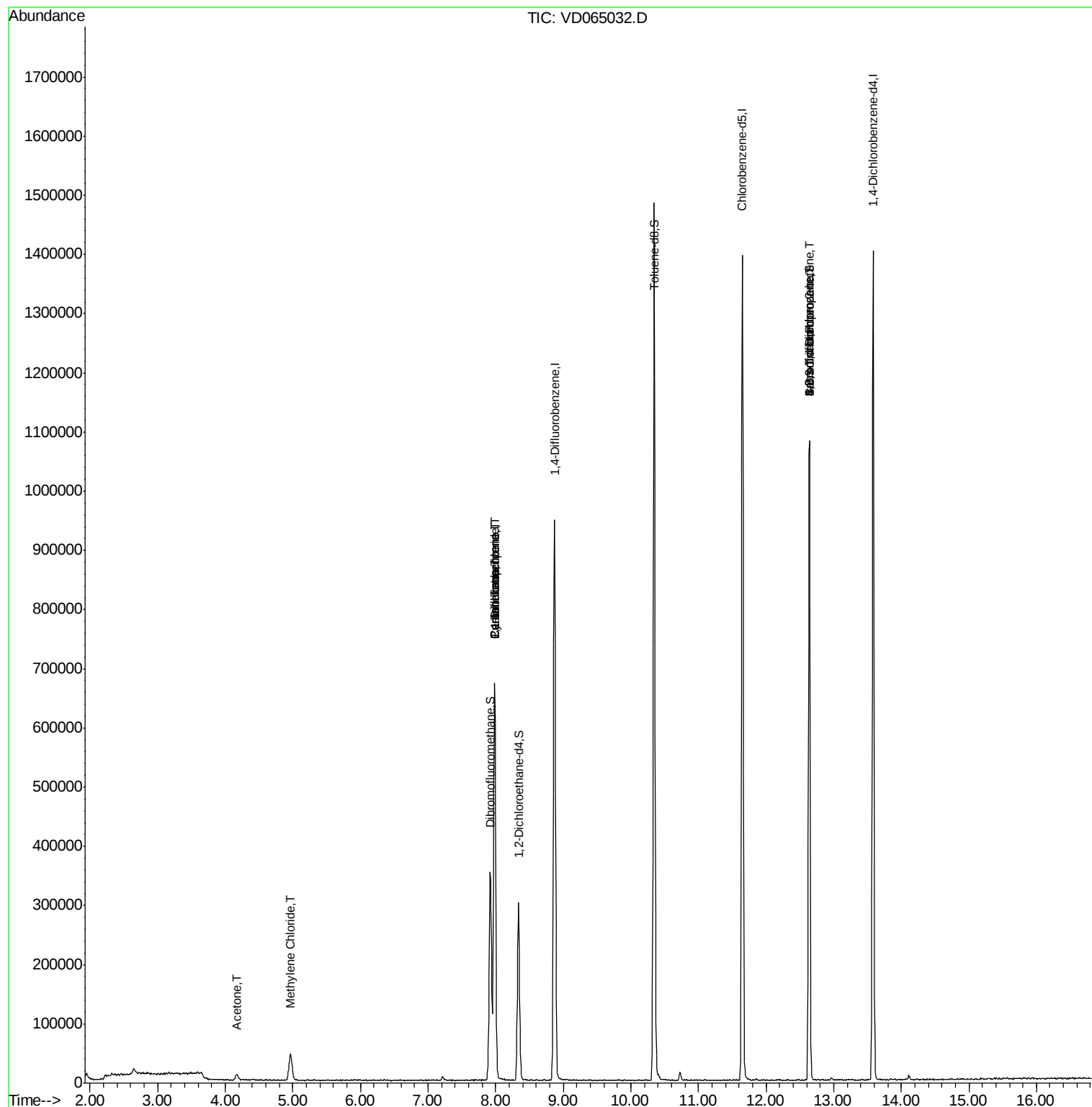
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	17751	26.24	ug/l	96
20) Methylene Chloride	4.97	84	35539	1.29	ug/l	96
31) Cyclohexane	7.98	56	11450	1.35	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	38826	4.99	ug/l #	50
38) Carbon Tetrachloride	7.98	117	48609	5.92	ug/l #	17
71) Bromoform	12.64	173	3791	1.14	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	174599	57.69	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	174599	123.18	ug/l #	9

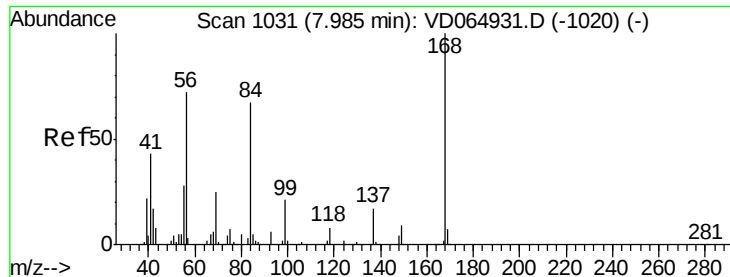
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD013120\
Data File : VD065032.D
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
200059

Quant Time: Jan 31 15:19:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

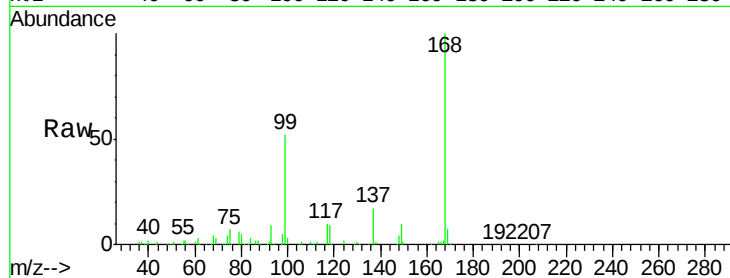
Instrument :
MSVOA_D
ClientSampleId :
200059

Tgt Ion:168 Resp: 506357

Ion Ratio Lower Upper

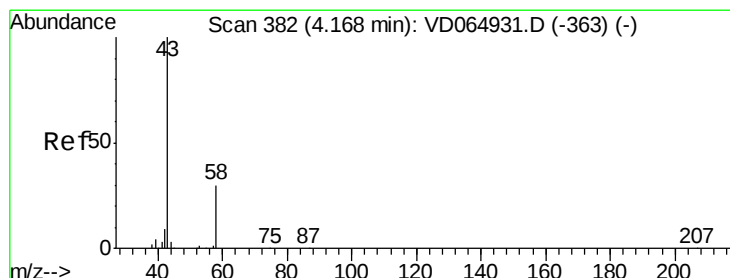
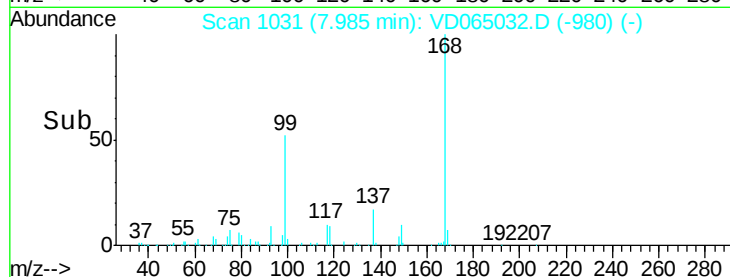
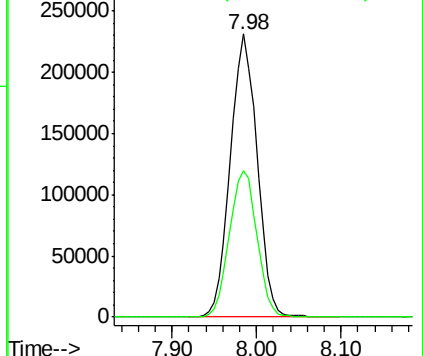
168 100

99 51.7 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 26.24 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065032.D

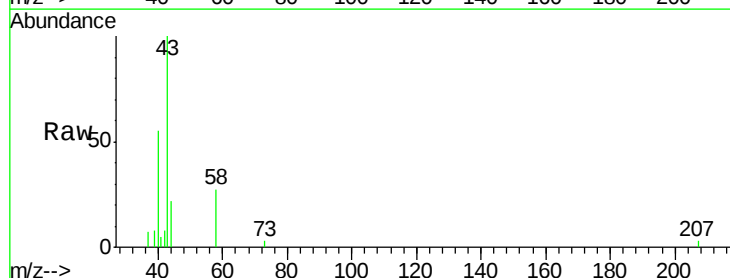
Acq: 31 Jan 2020 14:24

Tgt Ion: 43 Resp: 17751

Ion Ratio Lower Upper

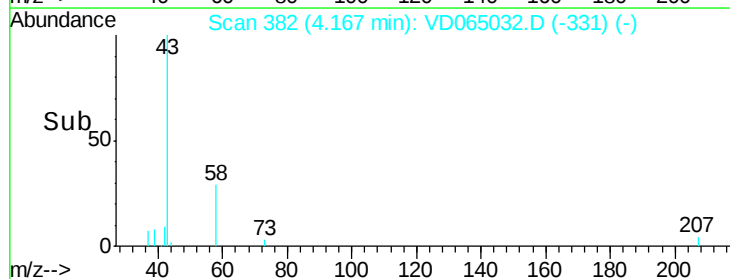
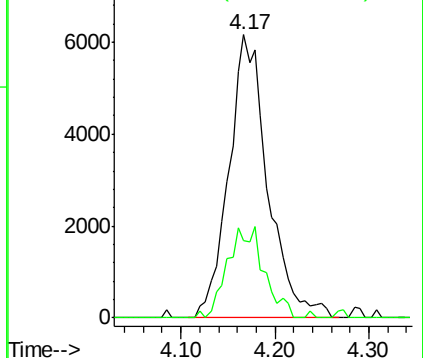
43 100

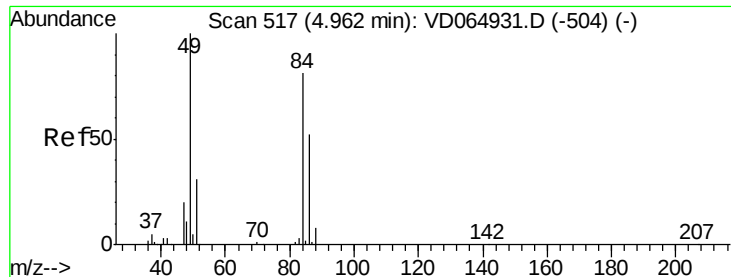
58 27.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: 1.29 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

200059

Tgt Ion: 84 Resp: 35539

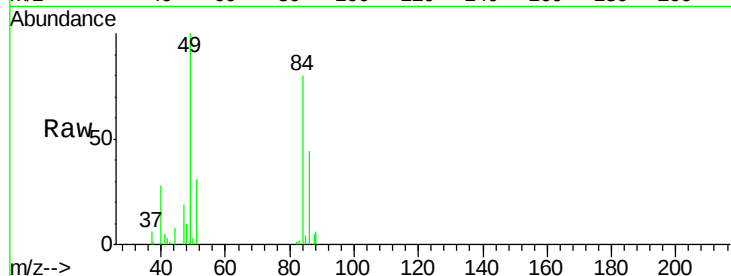
Ion Ratio Lower Upper

84 100

49 125.2 98.4 147.6

51 39.4 30.8 46.2

86 55.2 51.0 76.6

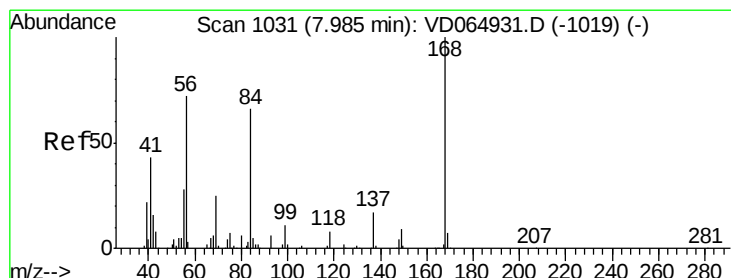
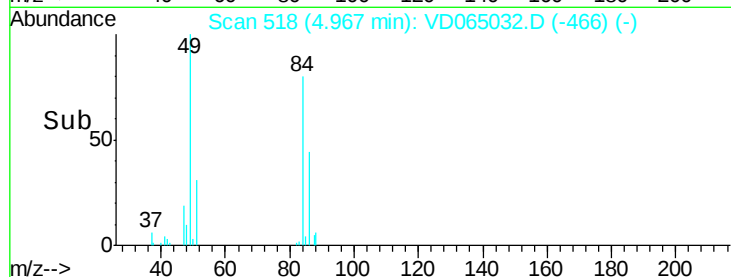
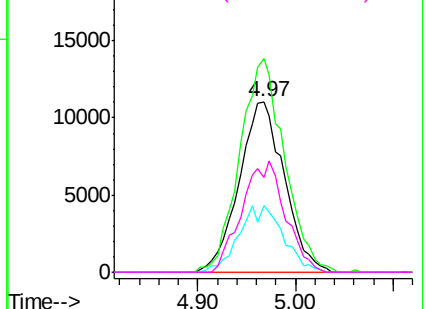


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.35 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

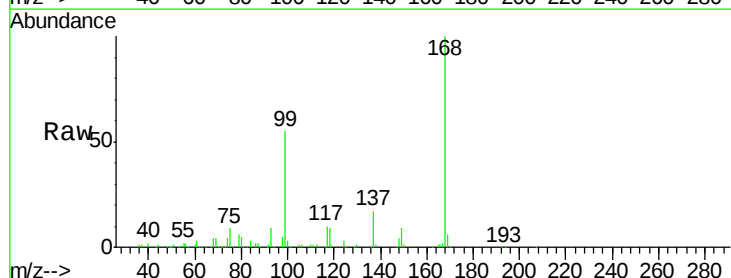
Tgt Ion: 56 Resp: 11450

Ion Ratio Lower Upper

56 100

69 157.6 27.9 41.9#

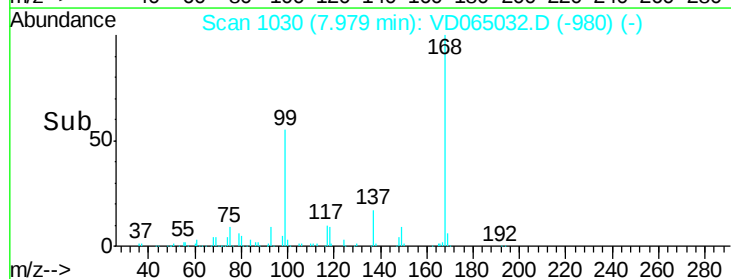
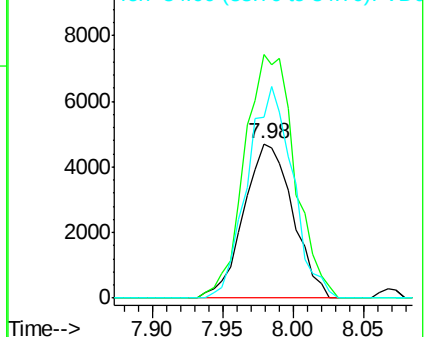
84 116.9 72.8 109.2#

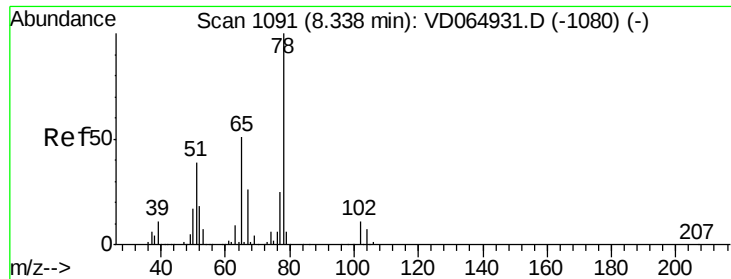


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

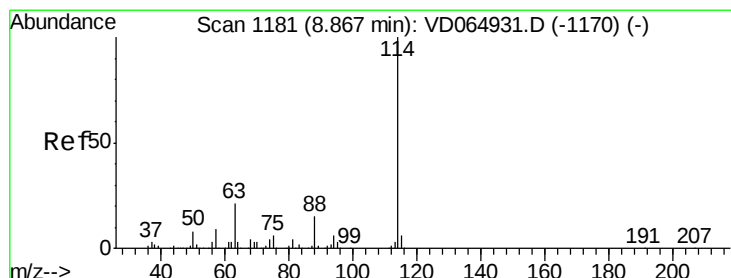
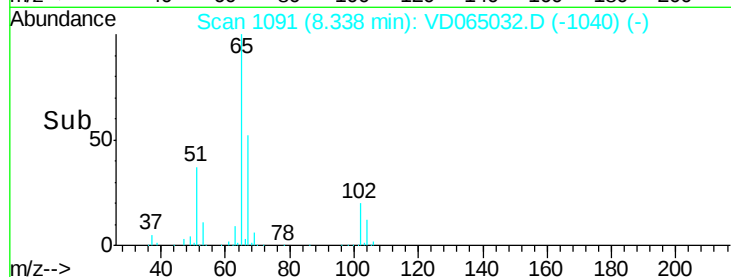
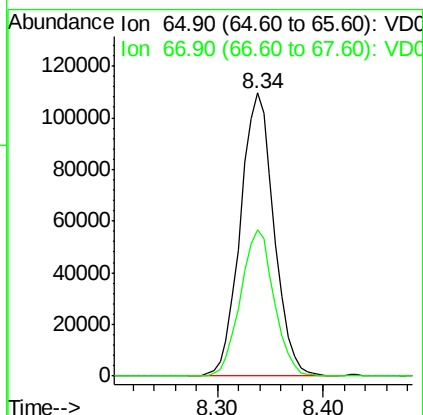
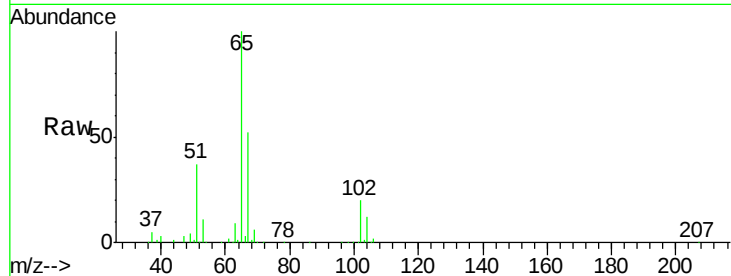




#33
 1,2-Dichloroethane-d4
 Concen: 49.92 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065032.D
 Acq: 31 Jan 2020 14:24

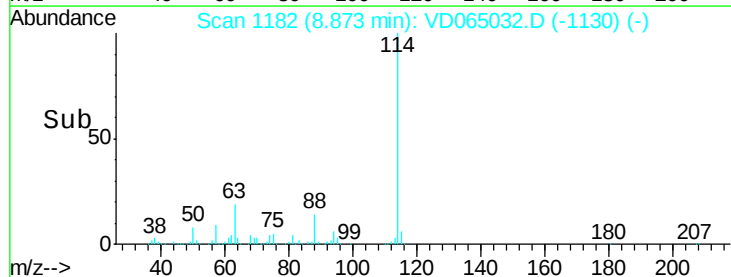
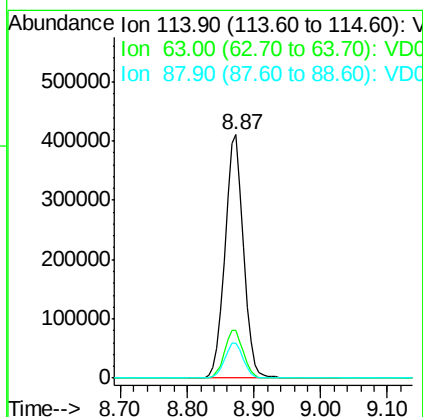
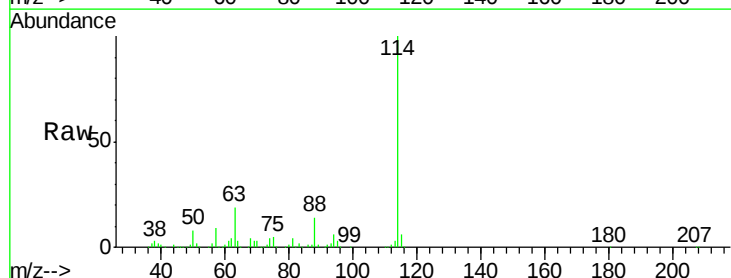
Instrument :
 MSVOA_D
 ClientSampleID :
 200059

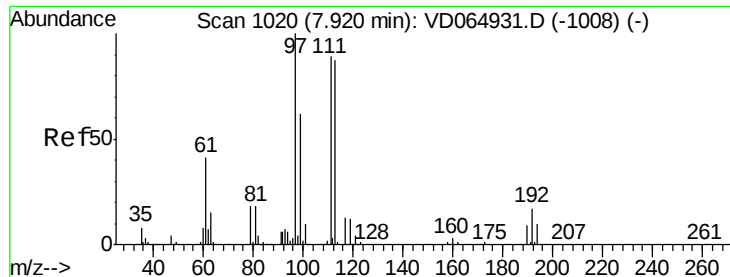
Tgt Ion: 65 Resp: 242478
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065032.D
 Acq: 31 Jan 2020 14:24

Tgt Ion: 114 Resp: 806276
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.0
 88 14.5 0.0 29.4

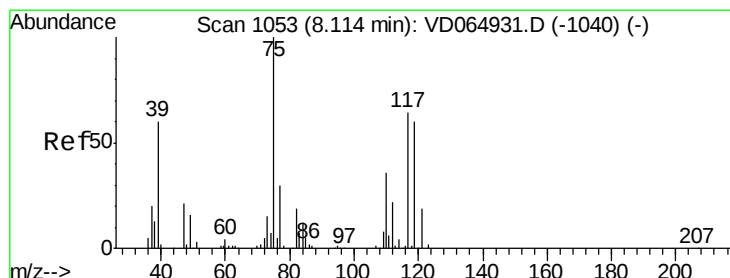
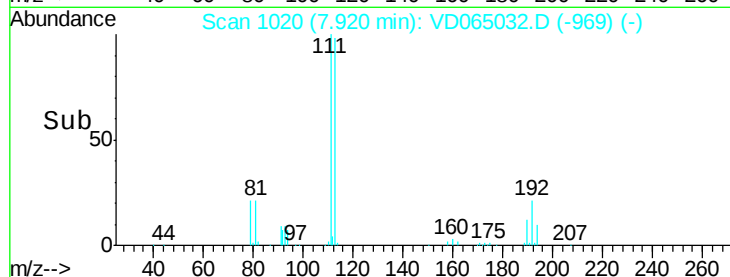
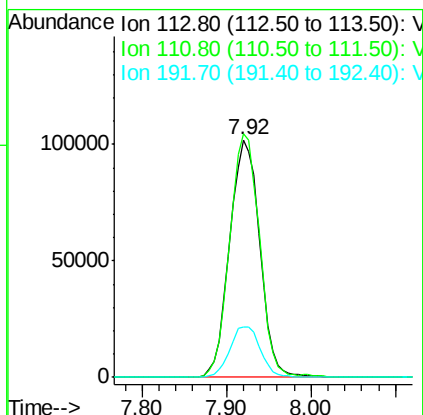
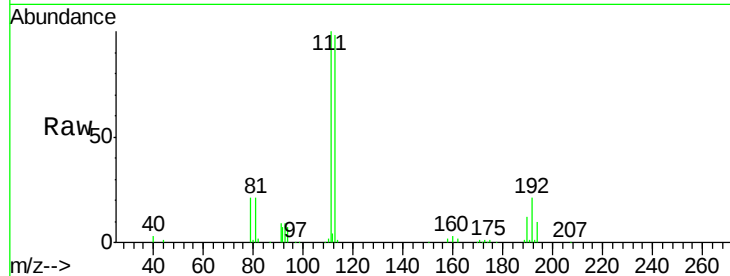




#35
 Dibromofluoromethane
 Concen: 49.52 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065032.D
 Acq: 31 Jan 2020 14:24

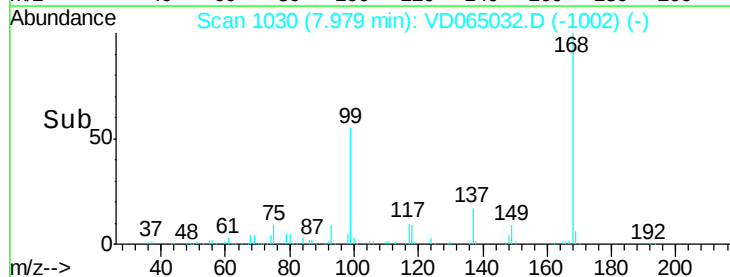
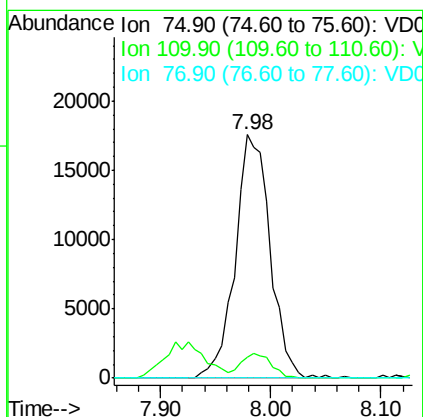
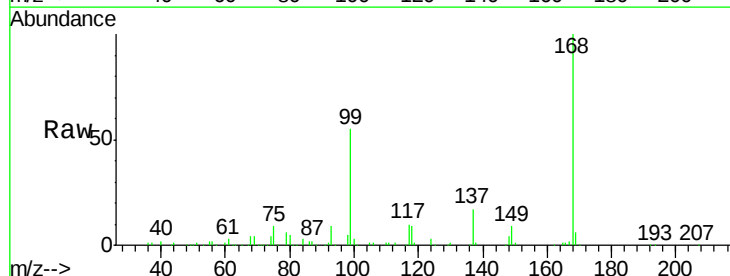
Instrument :
 MSVOA_D
 ClientSampled :
 200059

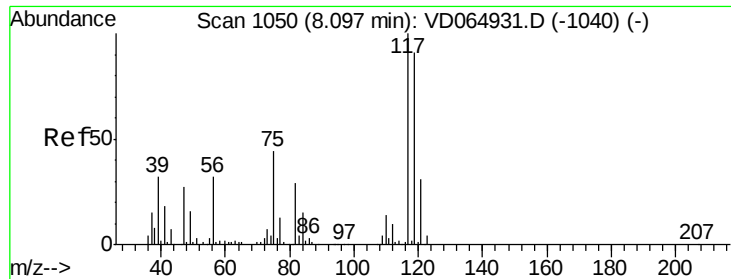
Tgt Ion: 113 Resp: 250884
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.4 123.6
 192 21.6 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.99 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065032.D
 Acq: 31 Jan 2020 14:24

Tgt Ion: 75 Resp: 38826
 Ion Ratio Lower Upper
 75 100
 110 9.0 17.3 52.0#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.92 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

200059

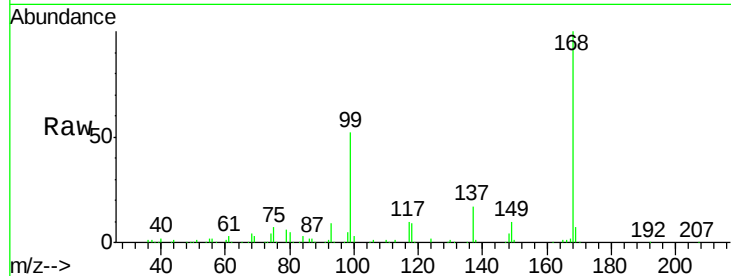
Tgt Ion:117 Resp: 48609

Ion Ratio Lower Upper

117 100

119 4.3 73.2 109.8#

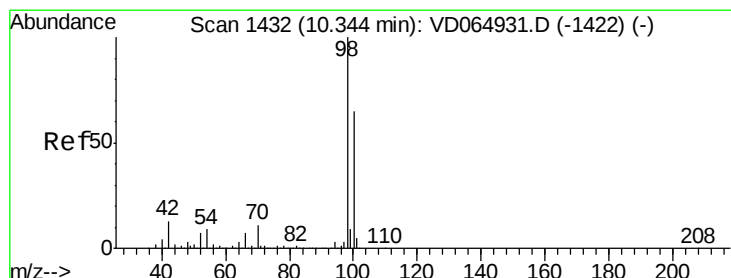
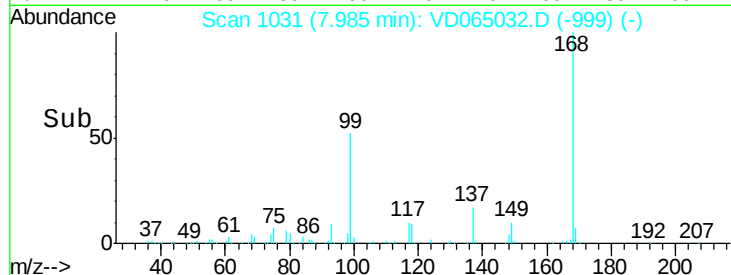
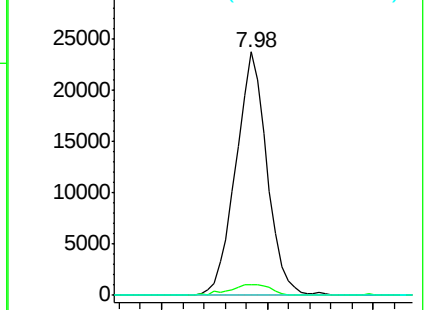
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 50.45 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065032.D

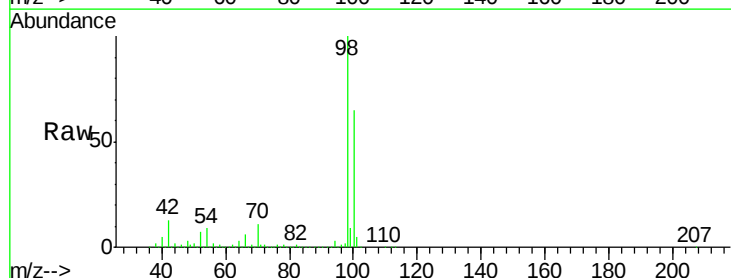
Acq: 31 Jan 2020 14:24

Tgt Ion: 98 Resp: 986613

Ion Ratio Lower Upper

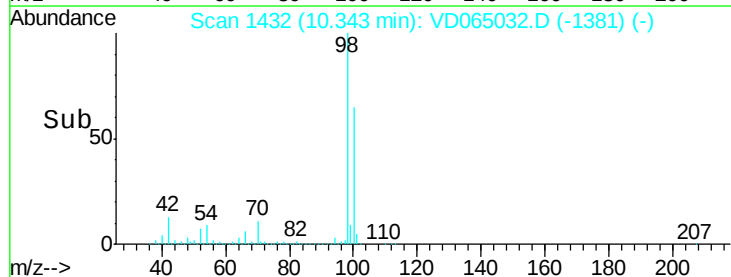
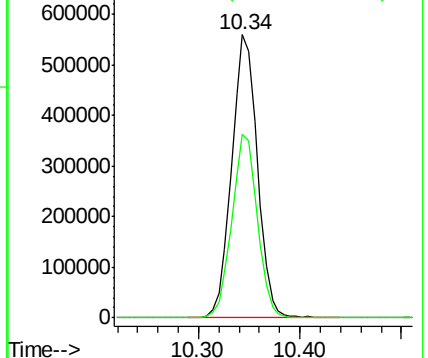
98 100

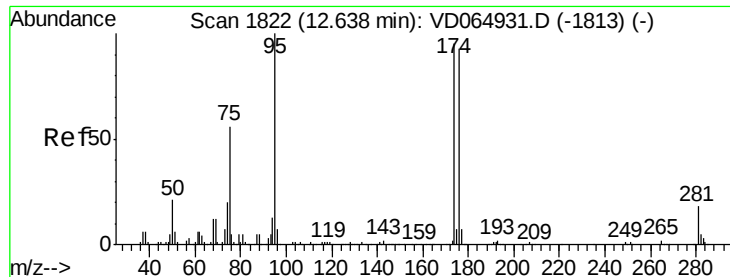
100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.45 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

200059

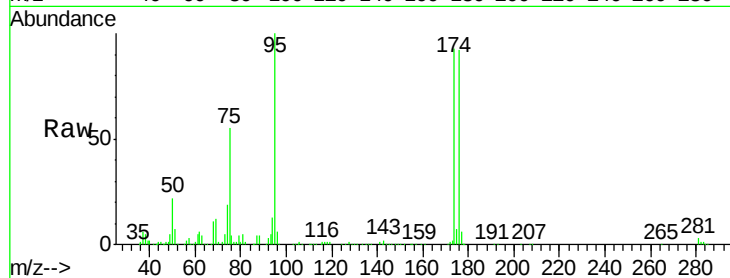
Tgt Ion: 95 Resp: 325870

Ion Ratio Lower Upper

95 100

174 90.8 0.0 186.8

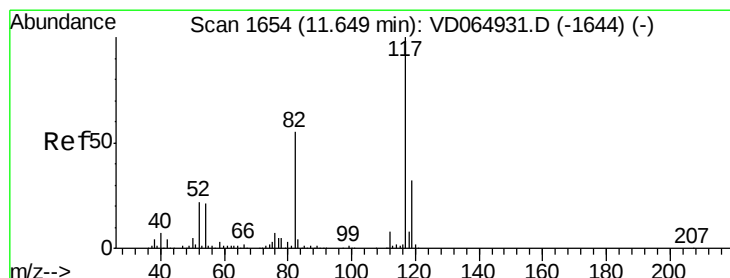
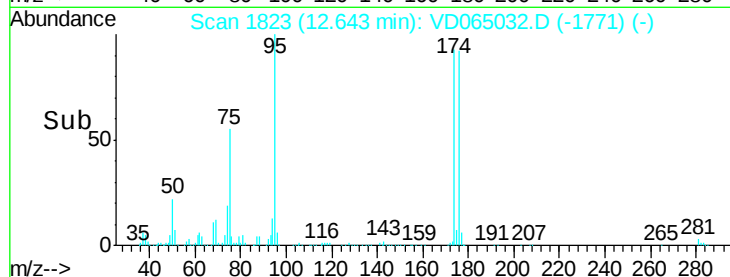
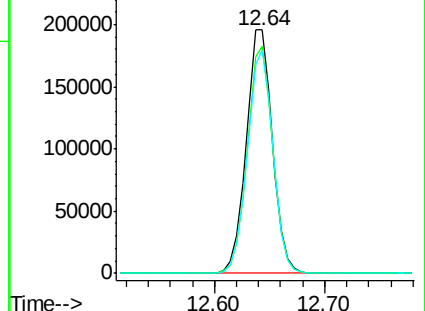
176 89.7 0.0 183.4



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: 50.00 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

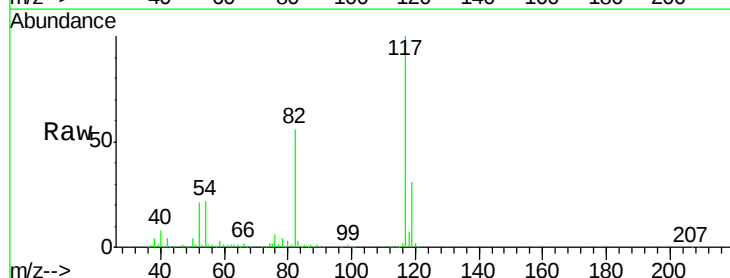
Tgt Ion: 117 Resp: 781035

Ion Ratio Lower Upper

117 100

82 55.7 43.6 65.4

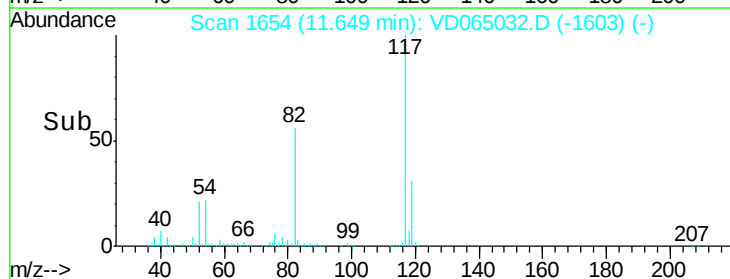
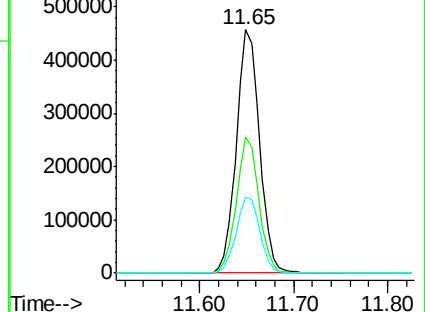
119 31.4 25.2 37.8

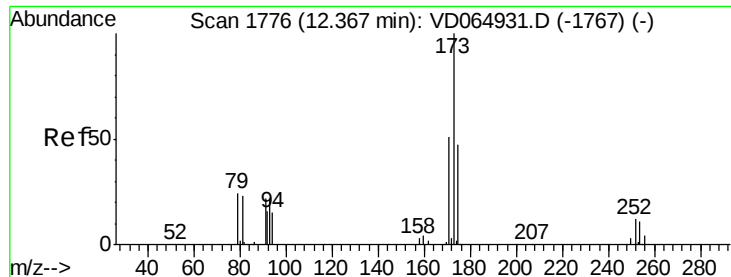


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.14 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

Instrument :

MSVOA_D

ClientSampleId :

200059

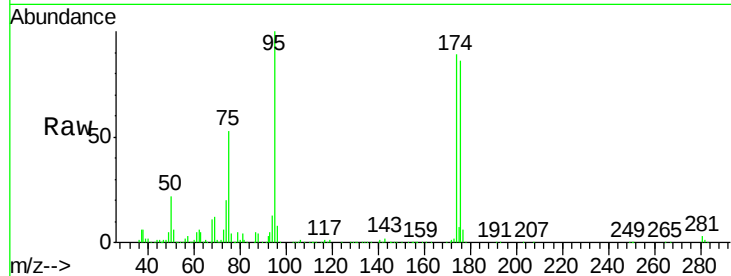
Tgt Ion:173 Resp: 3791

Ion Ratio Lower Upper

173 100

175 404.5 24.6 73.8#

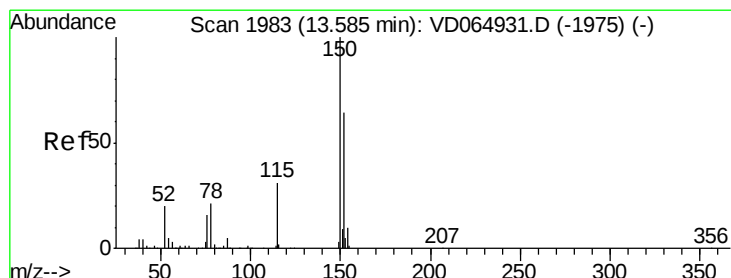
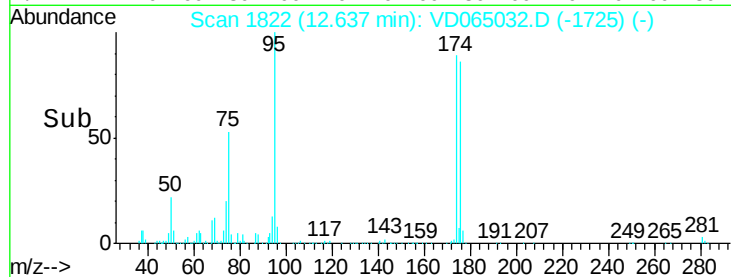
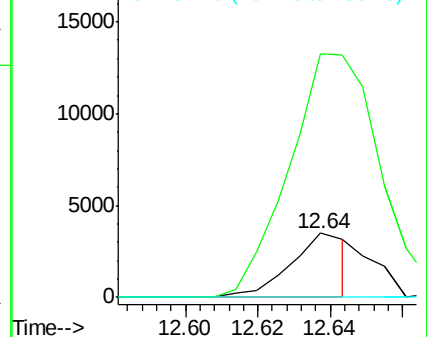
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065032.D

Acq: 31 Jan 2020 14:24

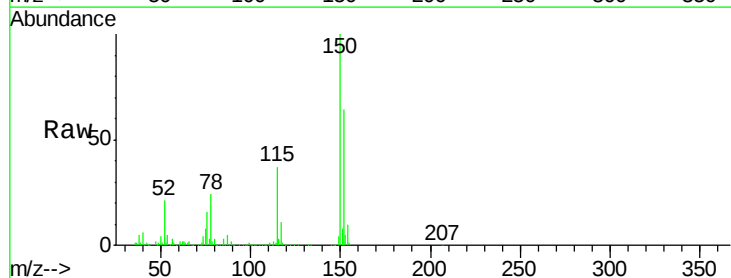
Tgt Ion:152 Resp: 364627

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.4

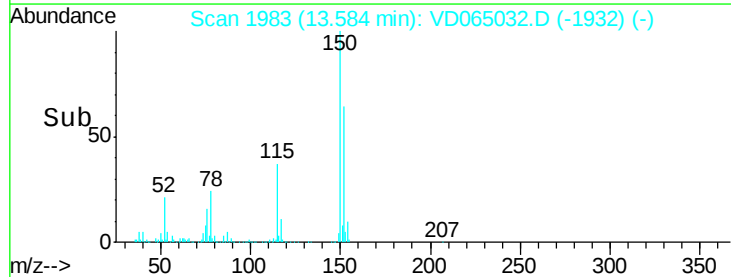
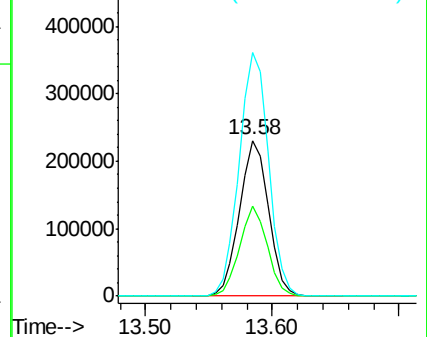
150 158.5 0.0 350.4

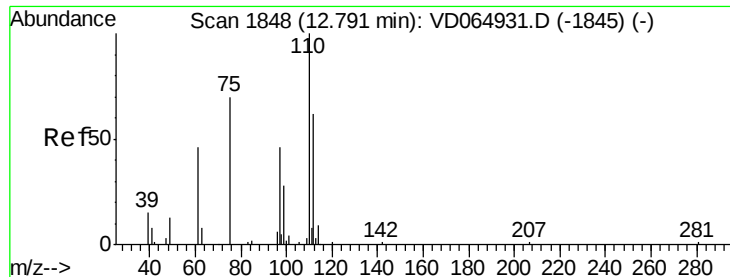


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

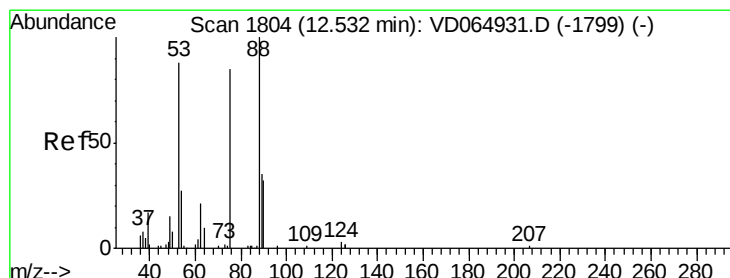
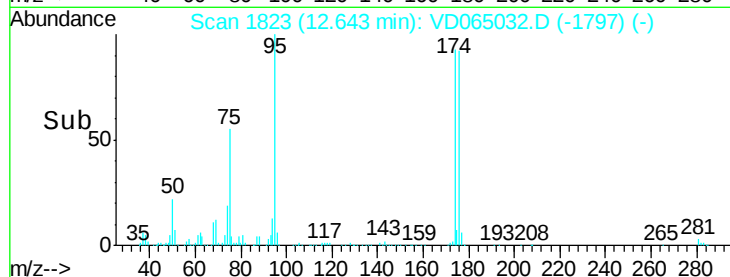
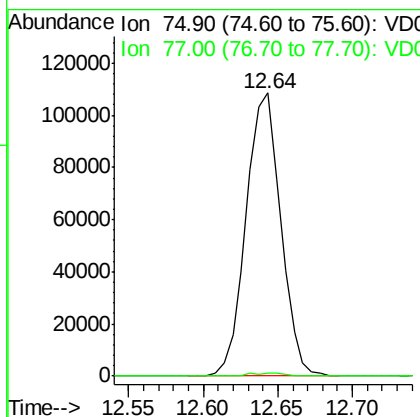
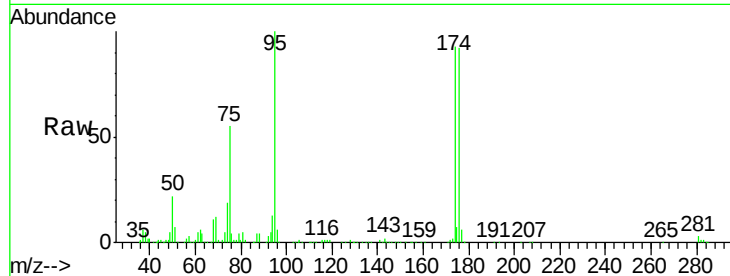




#76
 1,2,3-Trichloropropane
 Concen: 57.69 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.15 min
 Lab File: VD065032.D
 Acq: 31 Jan 2020 14:24

Instrument :
 MSVOA_D
 ClientSampleID :
 200059

Tgt Ion: 75 Resp: 174599
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.18 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD065032.D
 Acq: 31 Jan 2020 14:24

Tgt Ion: 75 Resp: 174599
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.0 121.4#
 89 0.0 36.2 54.4#

