

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065309.D
 Acq On : 25 Feb 2020 15:31
 Operator : VA/SY
 Sample : L1681-01
 Misc : 8.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 23:38:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

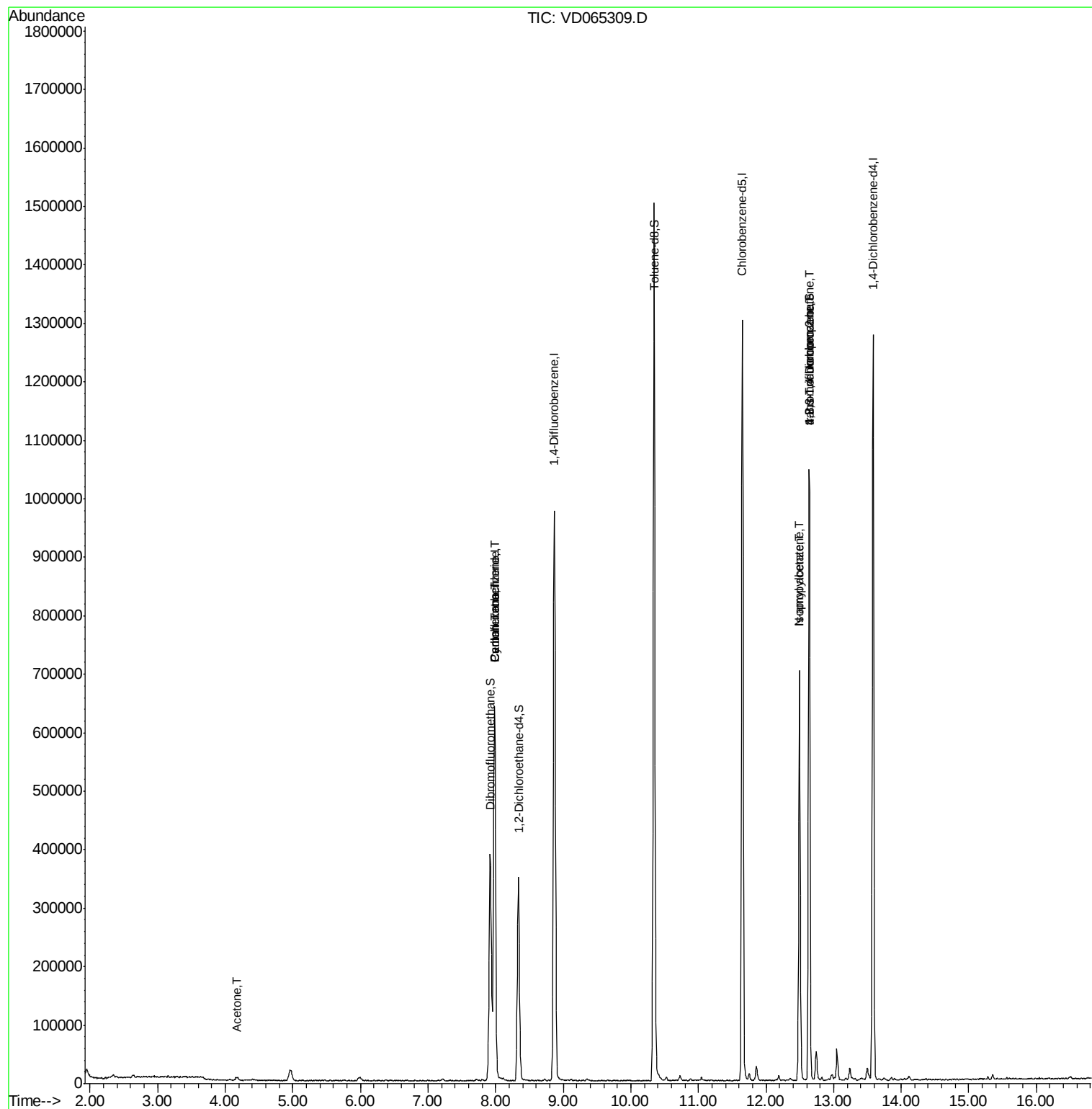
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	495502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	862571	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	768195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346812	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	268579	60.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.50%	
35) Dibromofluoromethane	7.92	113	280369	53.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.62%	
50) Toluene-d8	10.34	98	1034457	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.64	95	343611	53.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.90%	
Target Compounds						
					Qvalue	
13) Acrolein	3.91	56	63	Below Cal	#	14
16) Acetone	4.17	43	9533	8.749	ug/l	94
20) Methylene Chloride	4.97	84	14067	Below Cal		88
31) Cyclohexane	7.99	56	10491	1.197	ug/l #	1
38) Carbon Tetrachloride	7.99	117	45169	5.287	ug/l #	16
73) Isopropylbenzene	12.50	105	32409	1.412	ug/l #	72
74) N-amyl acetate	12.50	43	14698	2.881	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	167083	56.623	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	167083	122.260	ug/l #	11

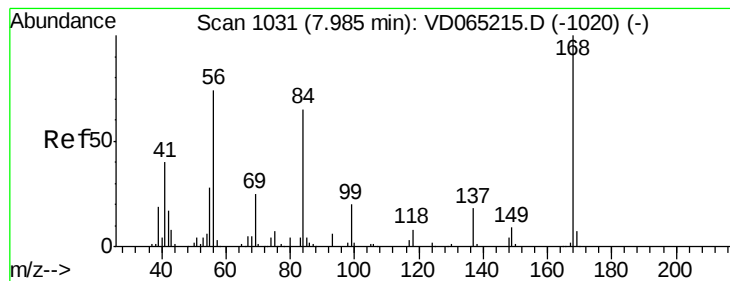
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\
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QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

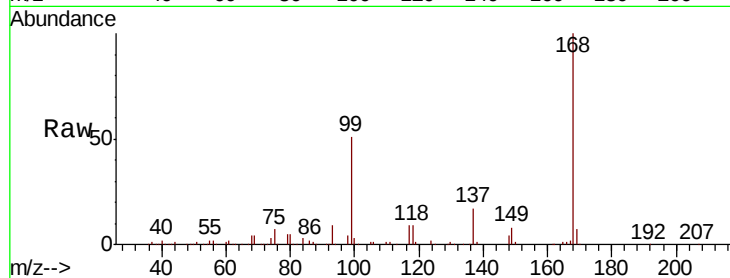
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 495502

Ion Ratio Lower Upper

168 100

99 51.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

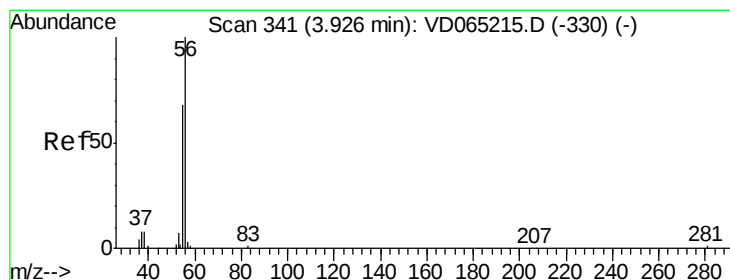
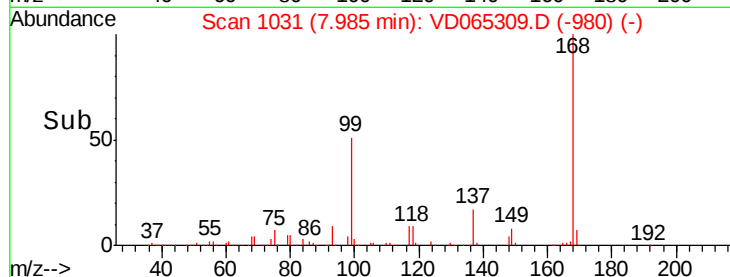
100000

50000

0

Time-->

7.90 8.00 8.10 8.20



#13

Acrolein

Concen: Below Cal

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD065309.D

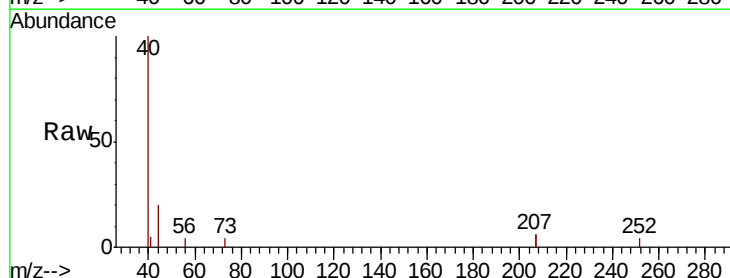
Acq: 25 Feb 2020 15:31

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

200

150

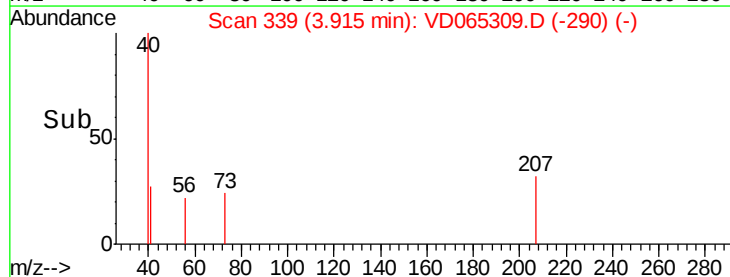
100

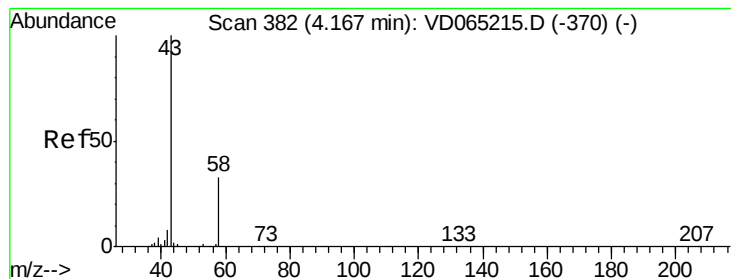
50

0

Time-->

3.90 3.91 3.92 3.93





#16

Acetone

Concen: 8.749 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

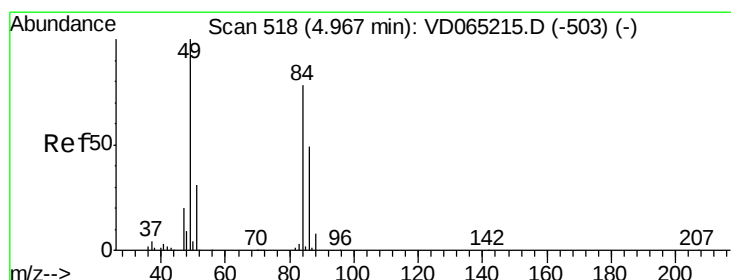
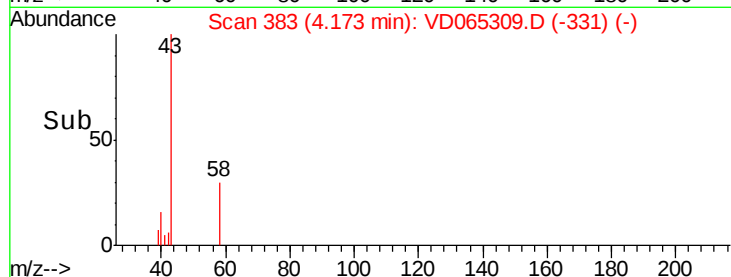
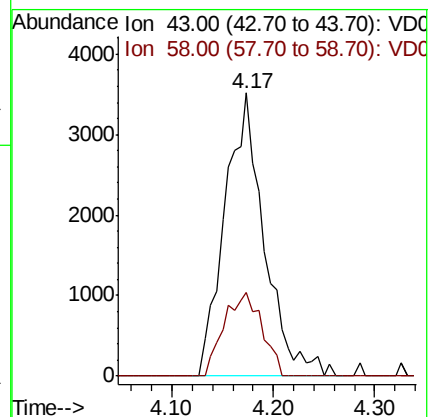
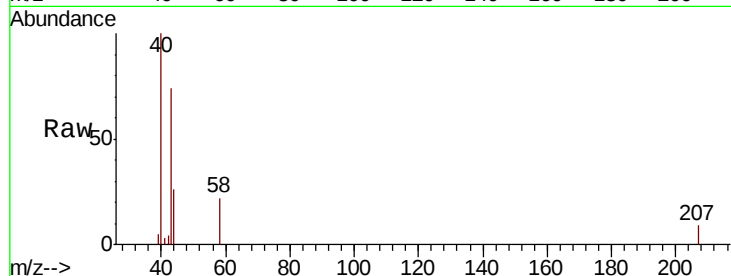
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 9533

Ion Ratio Lower Upper

43 100

58 29.6 26.2 39.2



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

Tgt Ion: 84 Resp: 14067

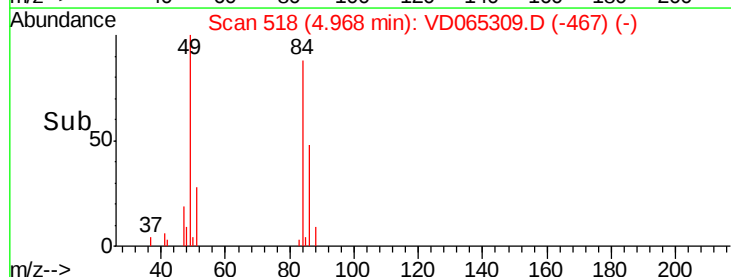
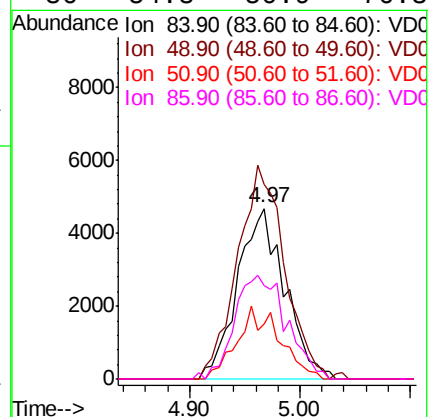
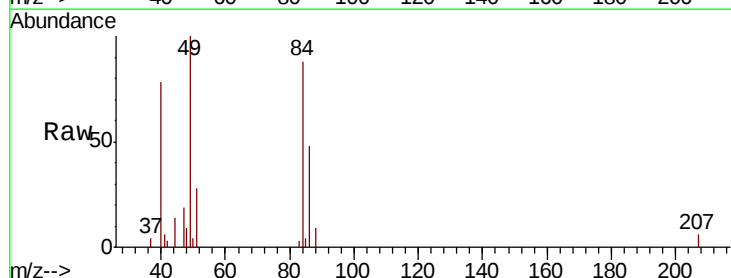
Ion Ratio Lower Upper

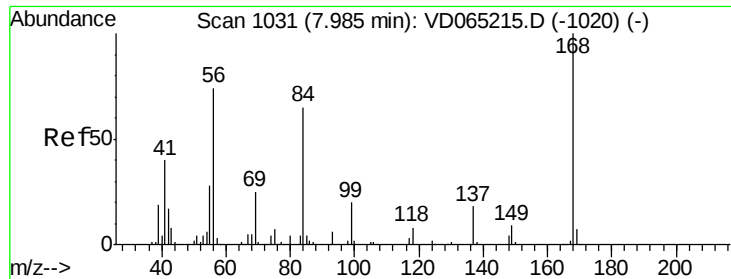
84 100

49 114.2 103.1 154.7

51 32.1 31.7 47.5

86 54.8 50.9 76.3





#31

Cyclohexane

Concen: 1.197 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

Instrument :
MSVOA_D
ClientSampled :

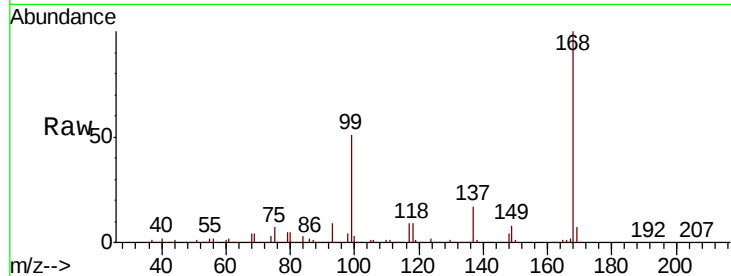
Tot Ion: 56 Resp: 10491

Ion Ratio Lower Upper

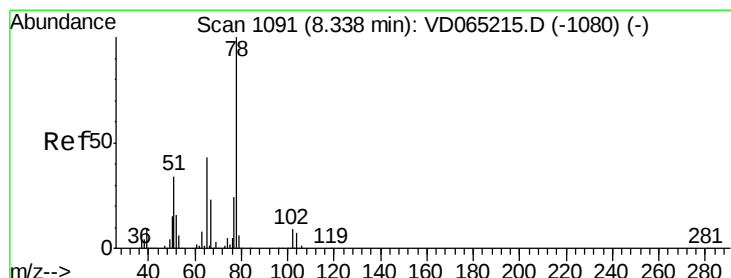
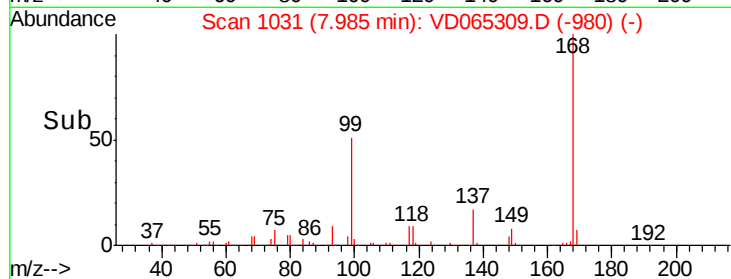
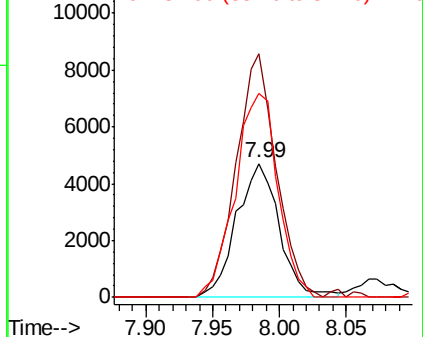
56 100

69 182.3 27.4 41.0#

84 152.6 71.1 106.7#



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: 60.252 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065309.D

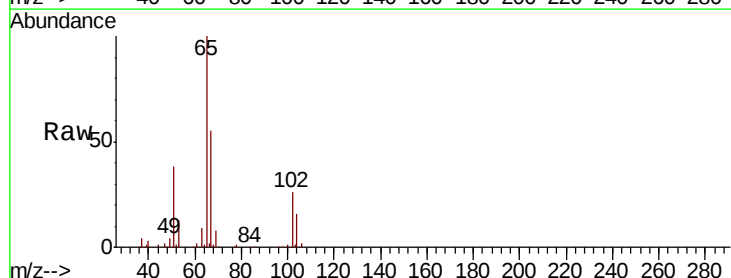
Acq: 25 Feb 2020 15:31

Tgt Ion: 65 Resp: 268579

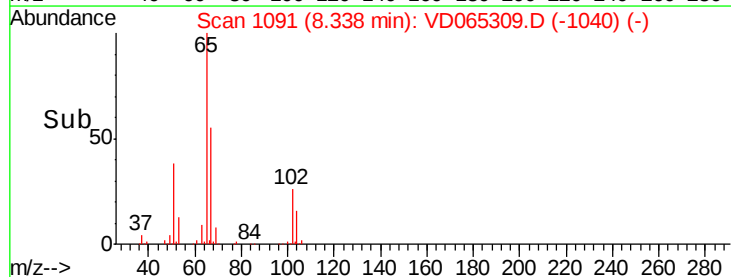
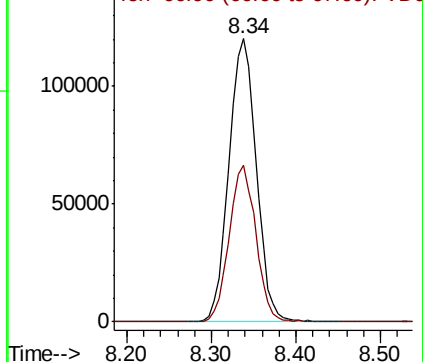
Ion Ratio Lower Upper

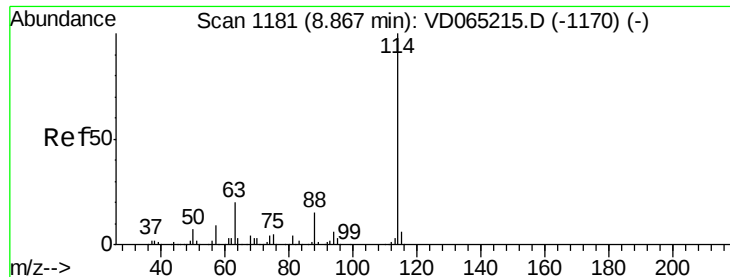
65 100

67 53.9 0.0 106.8



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# 1182

Delta R.T. 0.01 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampled :

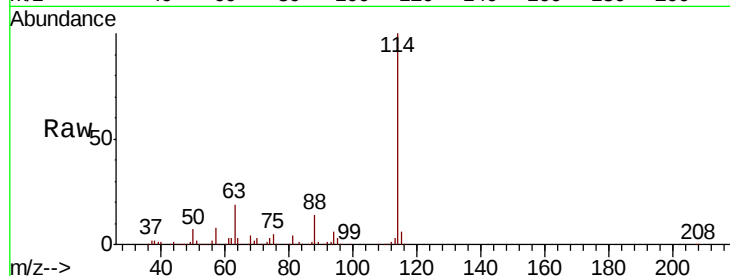
Tot Ion:114 Resp: 862571

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

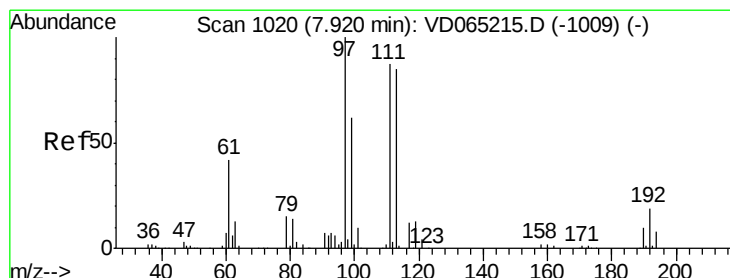
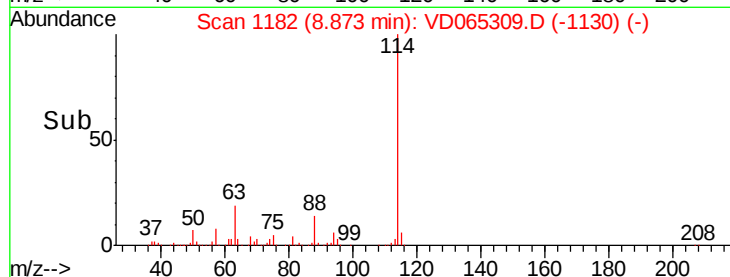
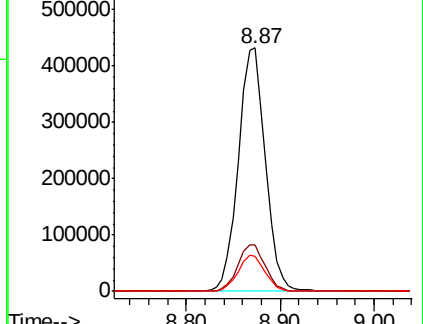
88 14.4 0.0 30.4



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: 53.308 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

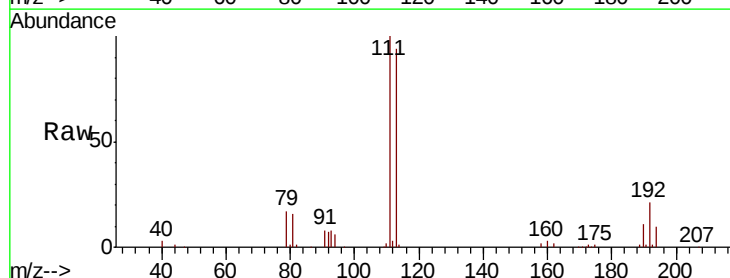
Tgt Ion:113 Resp: 280369

Ion Ratio Lower Upper

113 100

111 101.4 82.9 124.3

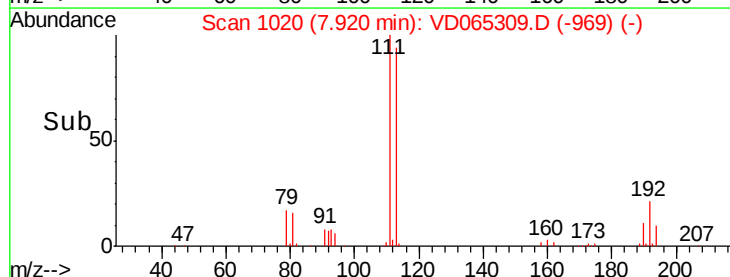
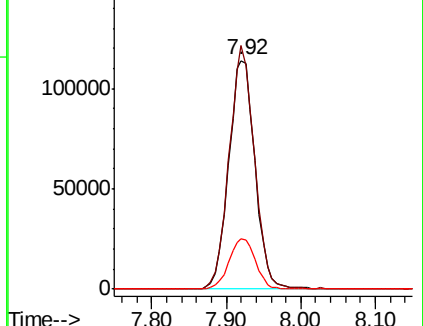
192 21.9 17.3 25.9

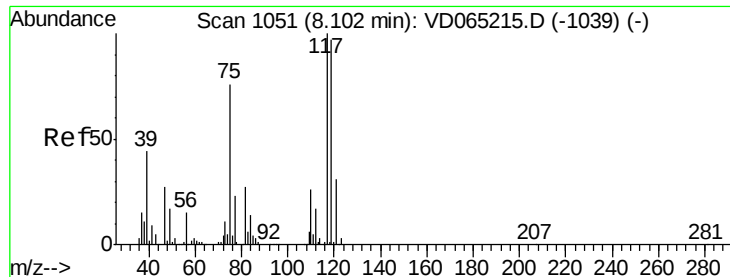


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

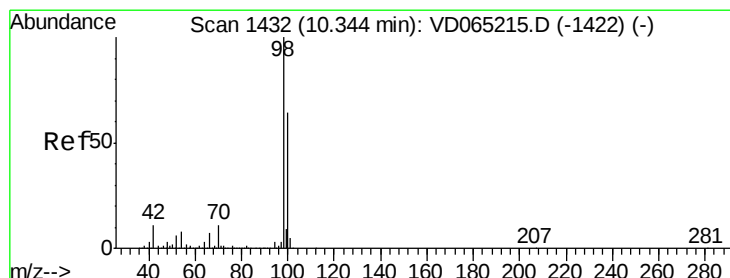
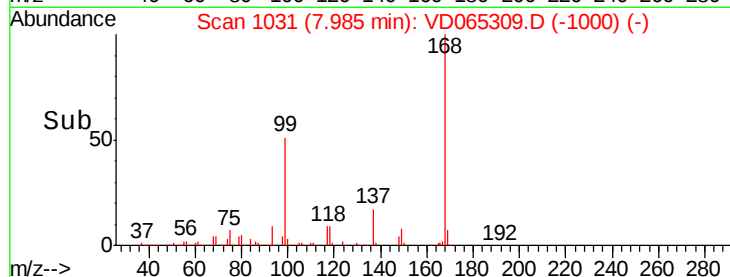
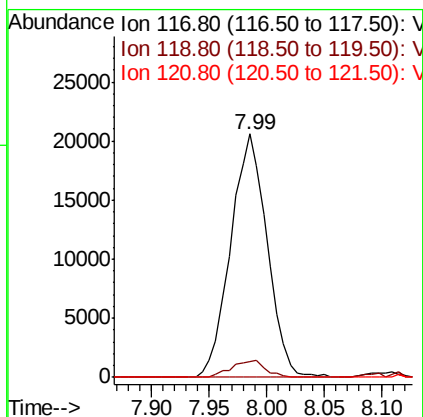
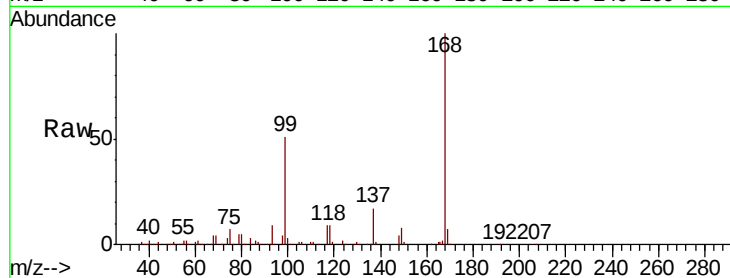




#38
Carbon Tetrachloride
Concen: 5.287 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065309.D
Acq: 25 Feb 2020 15:31

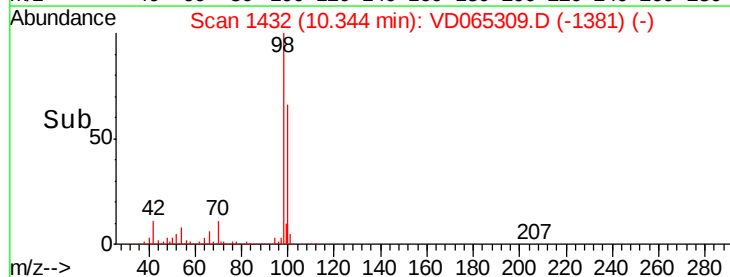
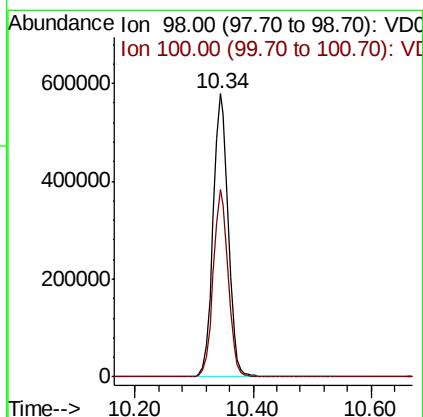
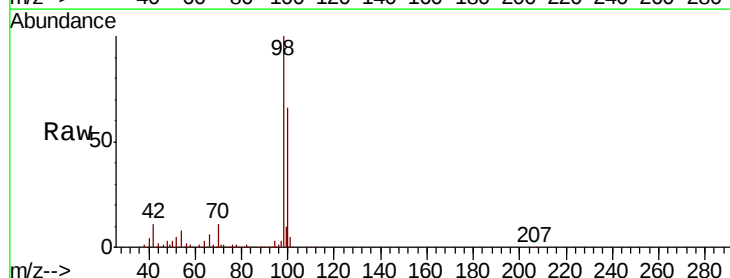
Instrument :
MSVOA_D
ClientSampleId :

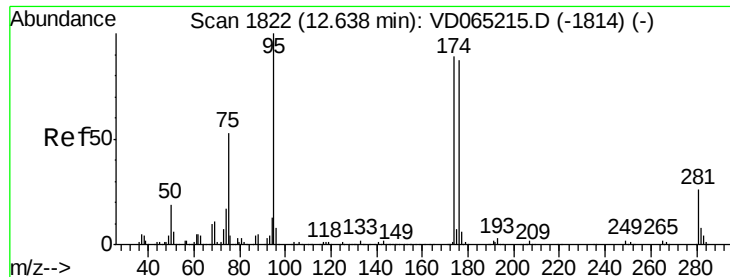
Tot Ion:117 Resp: 45169
Ion Ratio Lower Upper
117 100
119 6.4 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.449 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065309.D
Acq: 25 Feb 2020 15:31

Tgt Ion: 98 Resp: 1034457
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 53.946 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampled :

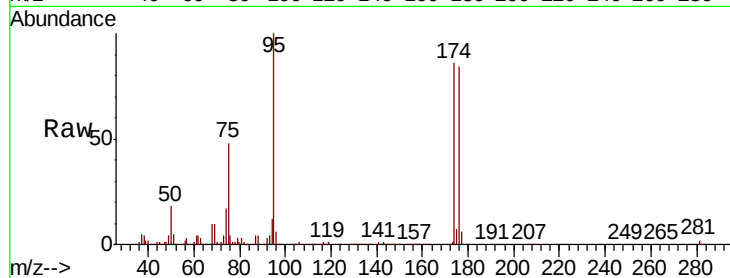
Tot Ion: 95 Resp: 343611

Ion Ratio Lower Upper

95 100

174 89.1 0.0 178.0

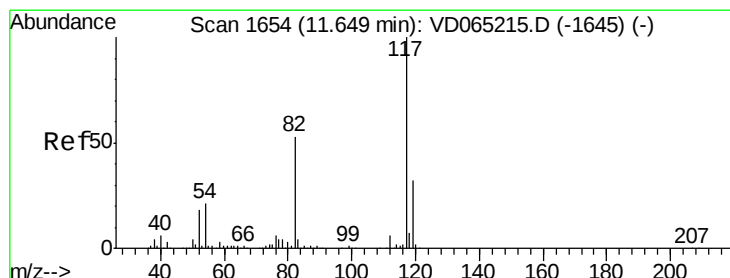
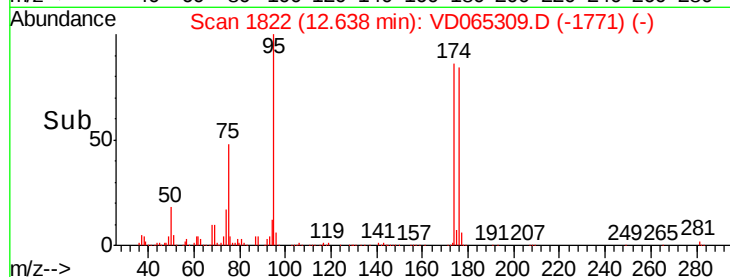
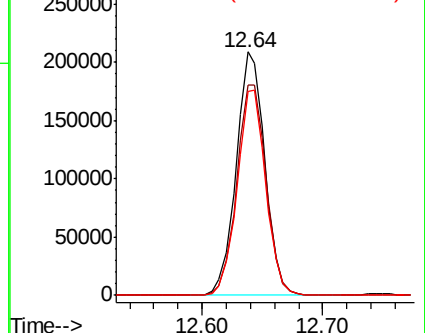
176 84.4 0.0 174.4



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: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

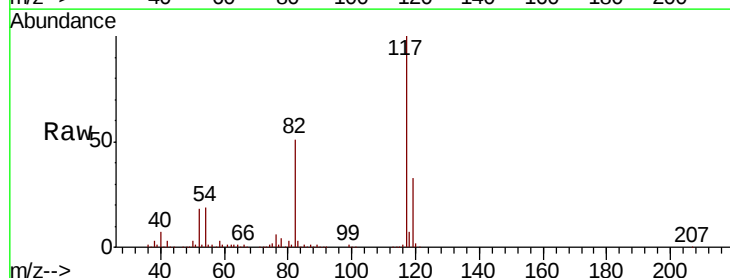
Tgt Ion: 117 Resp: 768195

Ion Ratio Lower Upper

117 100

82 51.5 42.7 64.1

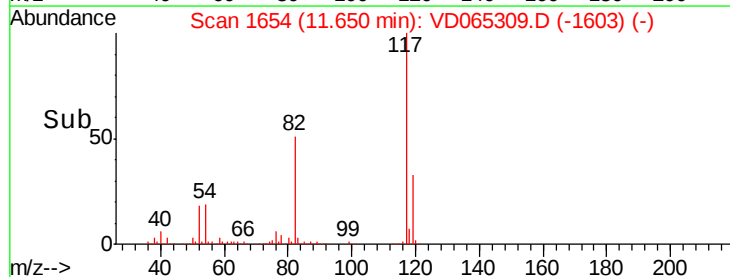
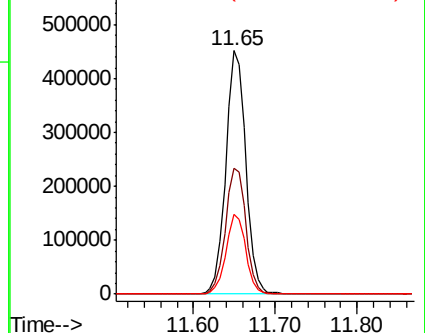
119 32.7 25.5 38.3

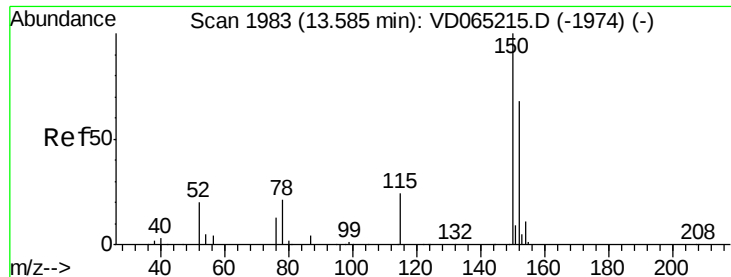


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.00 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

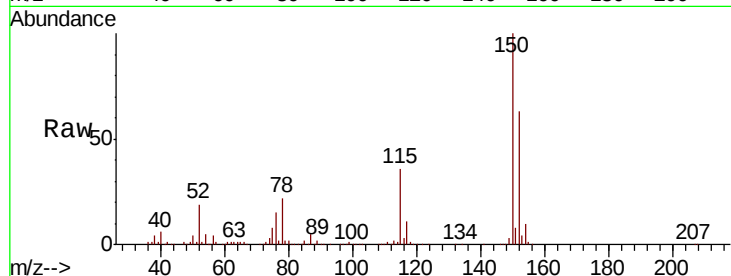
Tot Ion:152 Resp: 346812

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.8

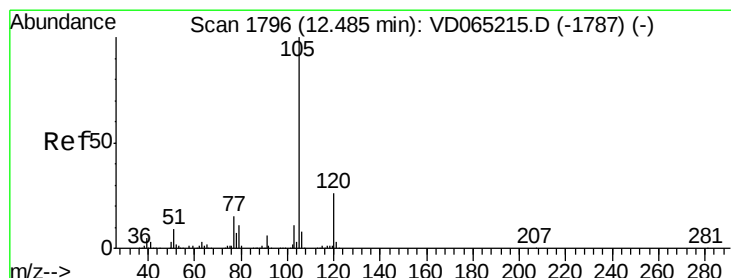
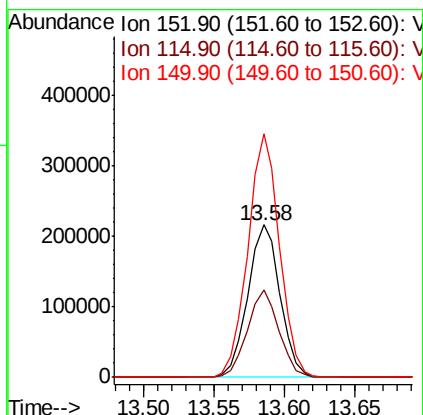
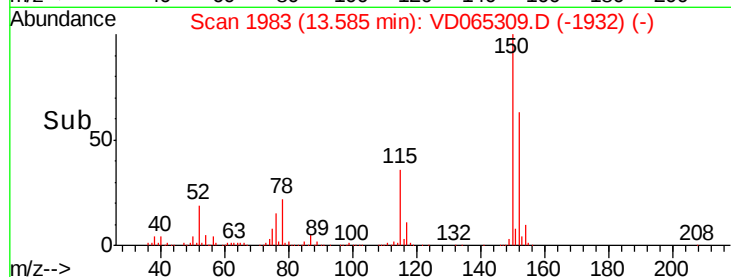
150 156.8 0.0 347.4



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



#73

Isopropylbenzene

Concen: 1.412 ug/l

RT: 12.50 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VD065309.D

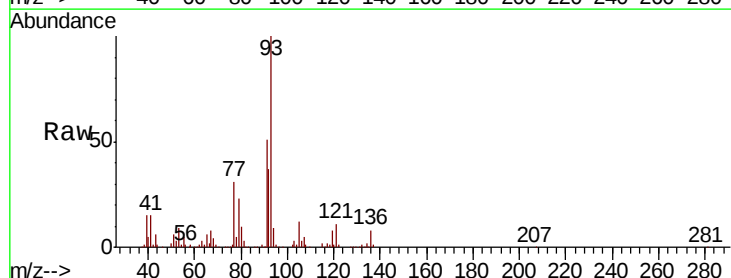
Acq: 25 Feb 2020 15:31

Tgt Ion:105 Resp: 32409

Ion Ratio Lower Upper

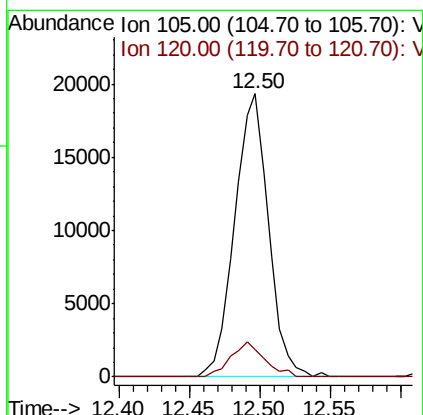
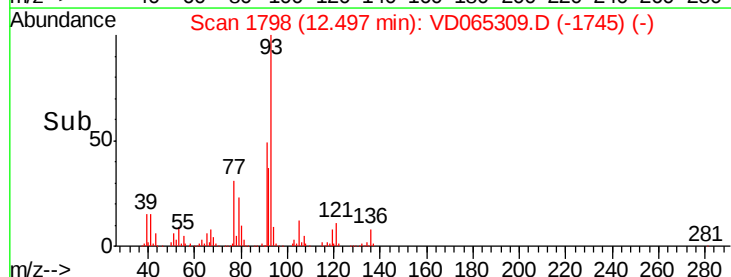
105 100

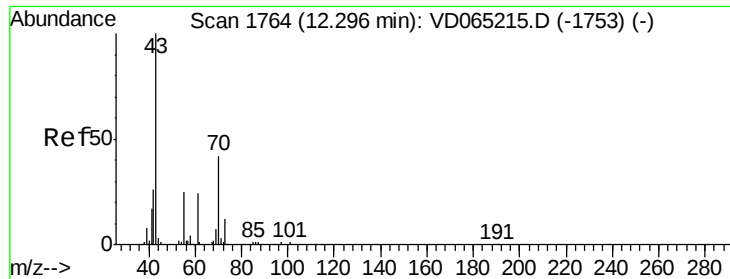
120 12.2 13.3 39.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.881 ug/l

RT: 12.50 min Scan# 1798

Delta R.T. 0.20 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 14698

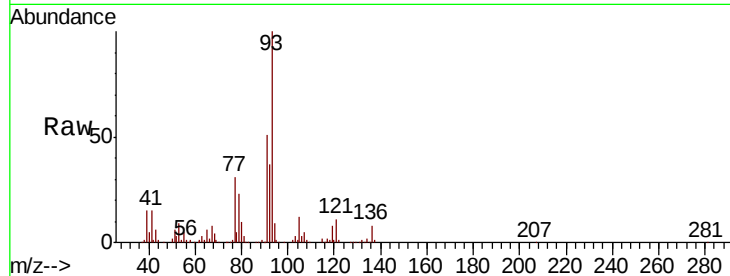
Ion Ratio Lower Upper

43 100

70 1.0 33.7 50.5#

55 97.1 20.7 31.1#

61 1.6 19.0 28.4#

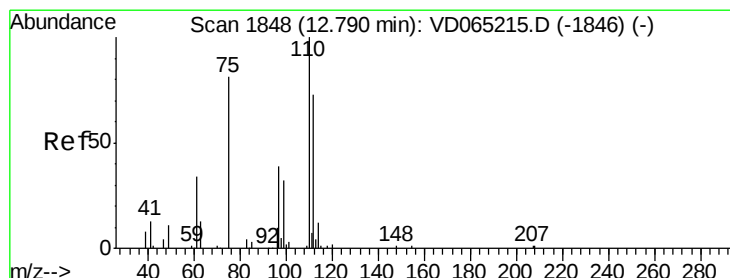
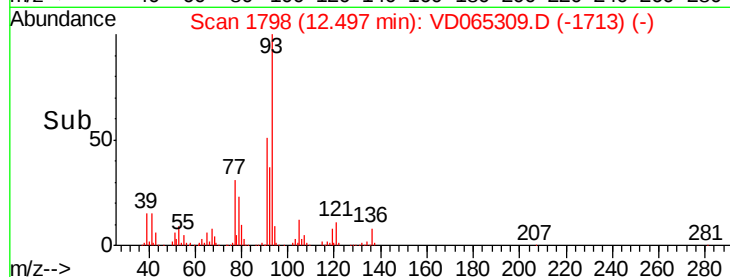
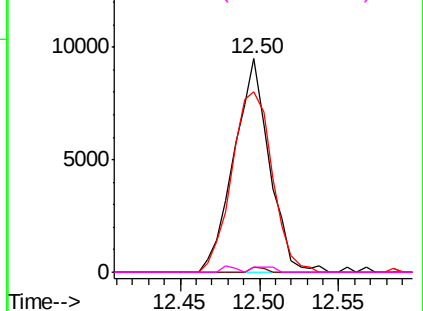


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC



#76

1,2,3-Trichloropropane

Concen: 56.623 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065309.D

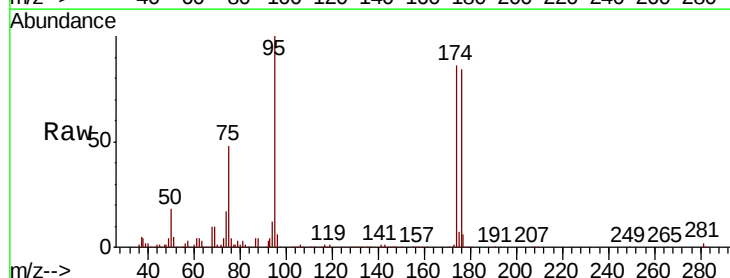
Acq: 25 Feb 2020 15:31

Tgt Ion: 75 Resp: 167083

Ion Ratio Lower Upper

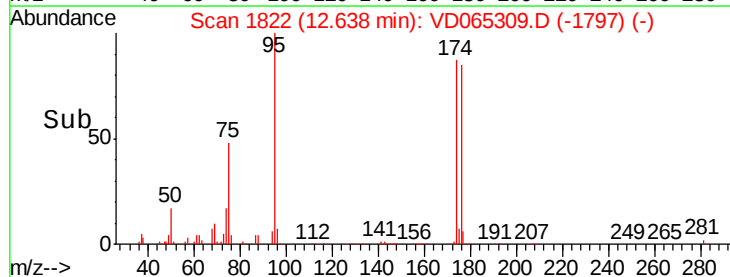
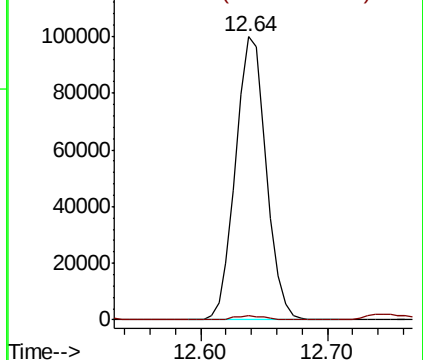
75 100

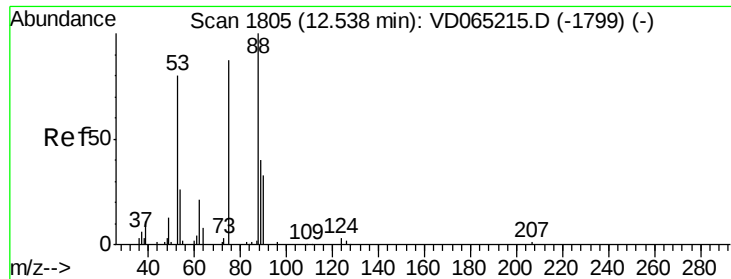
77 1.6 0.0 0.0#



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: 122.260 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065309.D

Acq: 25 Feb 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

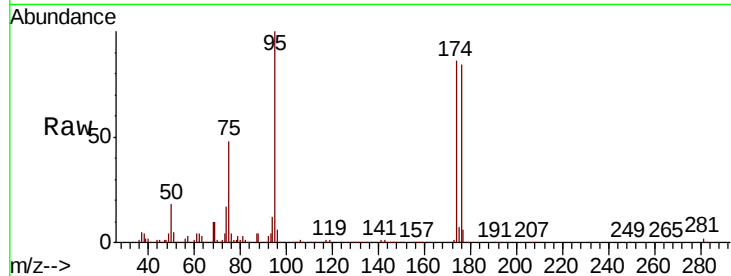
Tot Ion: 75 Resp: 167083

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.2 55.8#



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

