

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065488.D
 Acq On : 12 Mar 2020 17:20
 Operator : VA/SY
 Sample : L1912-07
 Misc : 6.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Z3-S1A

Quant Time: Mar 13 04:26:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	553346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	944760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	874078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	413717	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	277541	58.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.94%	
35) Dibromofluoromethane	7.92	113	301165	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.34	98	1138590	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.64	95	360454	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

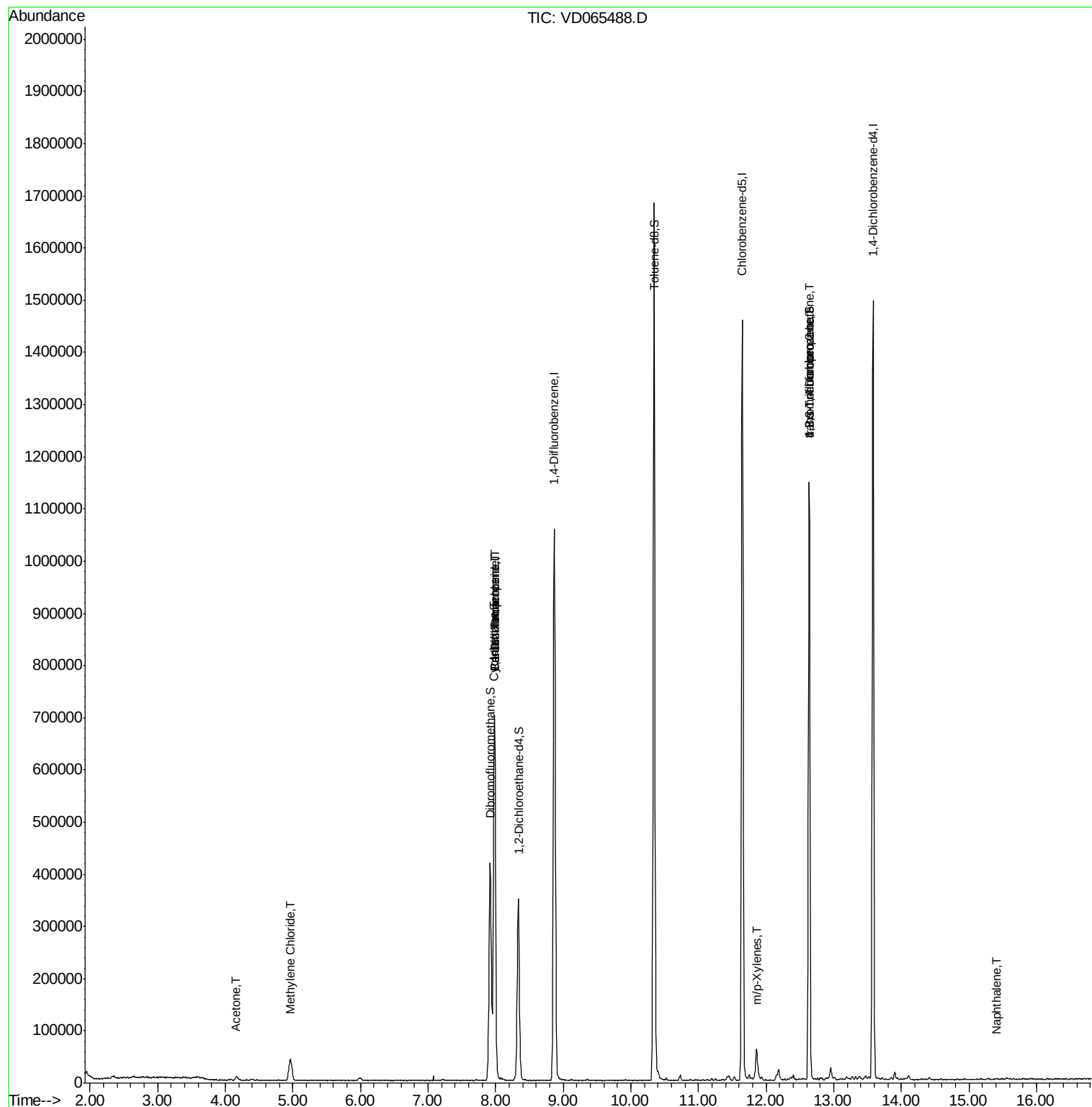
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	604	Below Cal	#	67
16) Acetone	4.16	43	12479	13.00	ug/l	90
20) Methylene Chloride	4.96	84	33710	3.23	ug/l	94
31) Cyclohexane	7.97	56	10801	1.15	ug/l	# 16
36) 1,1-Dichloropropene	7.98	75	38643	4.27	ug/l	# 48
38) Carbon Tetrachloride	7.98	117	52071	5.54	ug/l	# 18
68) m/p-Xylenes	11.86	106	12226	1.06	ug/l	93
76) 1,2,3-Trichloropropane	12.64	75	173425	53.12	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	173425	112.11	ug/l	# 14
95) Naphthalene	15.41	128	1348	4.50	ug/l	# 82

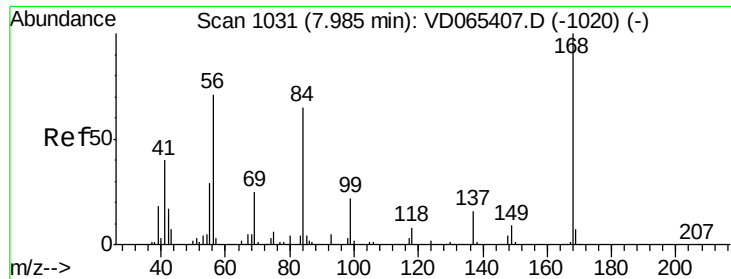
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
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Quant Time: Mar 13 04:26:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 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: VD065488.D

Acq: 12 Mar 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

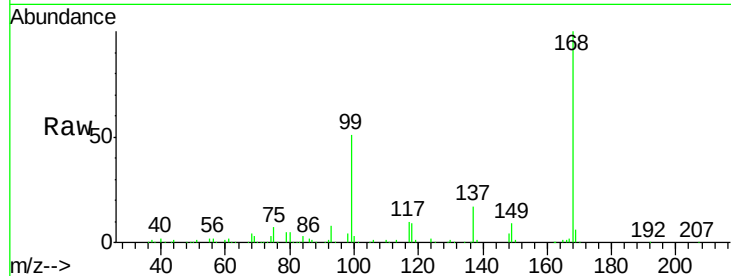
Z3-S1A

Tgt Ion:168 Resp: 553346

Ion Ratio Lower Upper

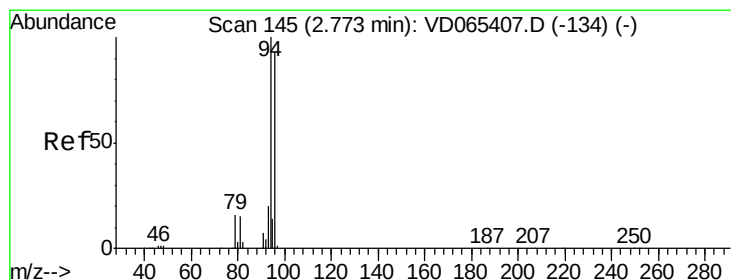
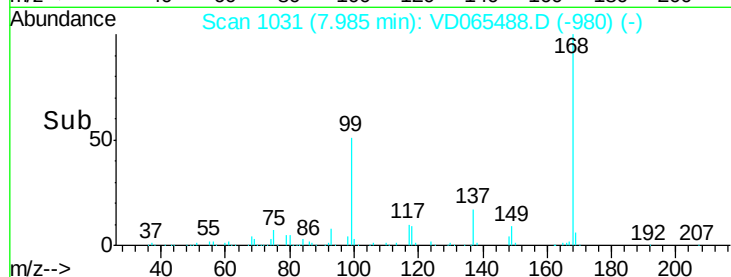
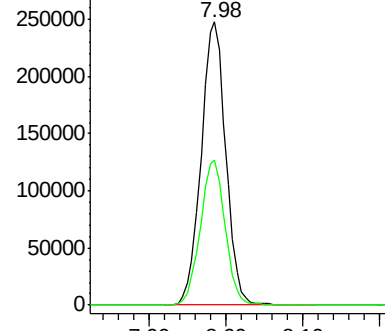
168 100

99 51.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065488.D

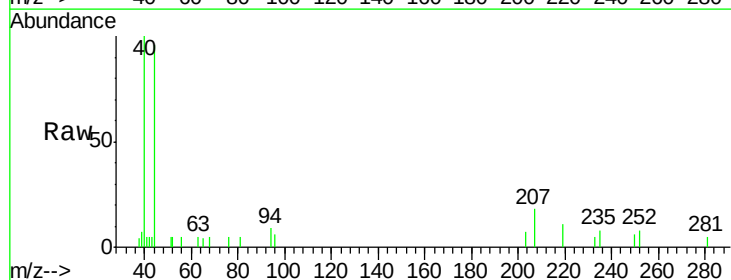
Acq: 12 Mar 2020 17:20

Tgt Ion: 94 Resp: 604

Ion Ratio Lower Upper

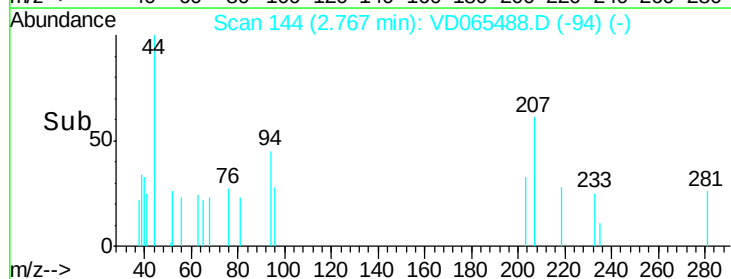
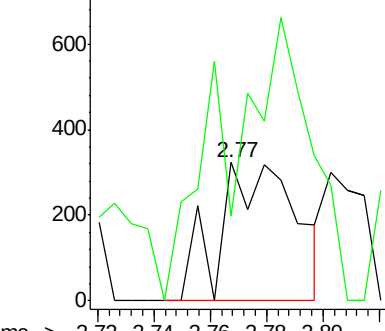
94 100

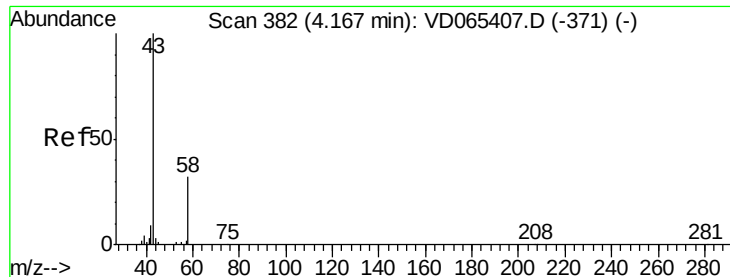
96 61.6 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 13.00 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

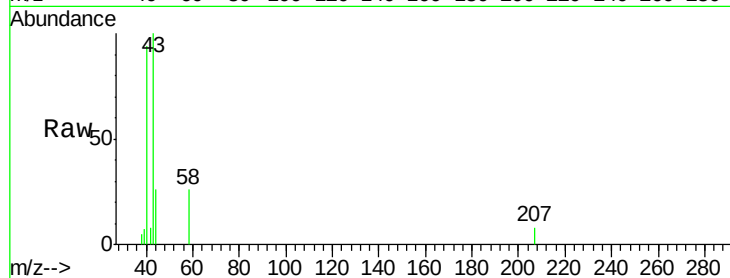
Z3-S1A

Tgt Ion: 43 Resp: 12479

Ion Ratio Lower Upper

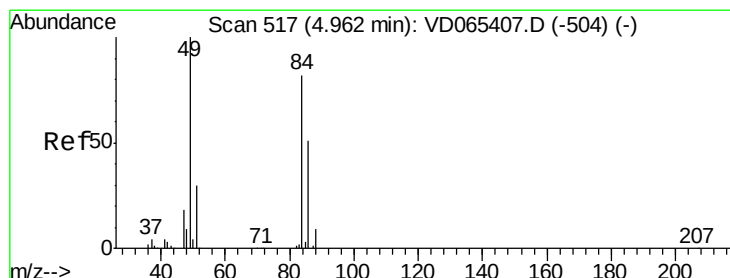
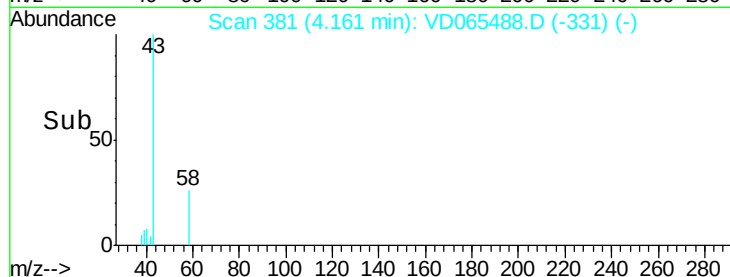
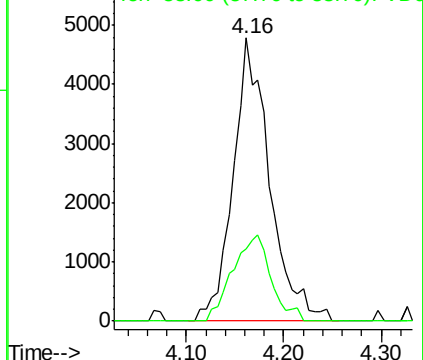
43 100

58 25.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 3.23 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

Tgt Ion: 84 Resp: 33710

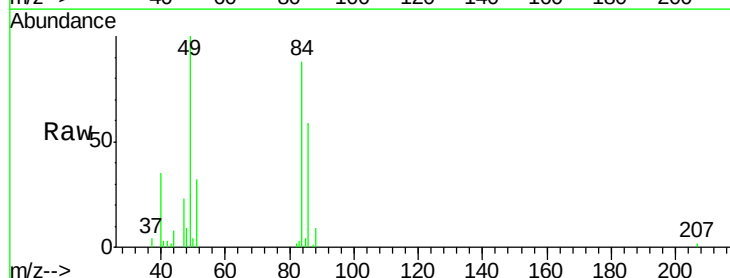
Ion Ratio Lower Upper

84 100

49 113.7 97.7 146.5

51 36.3 28.8 43.2

86 67.4 49.5 74.3

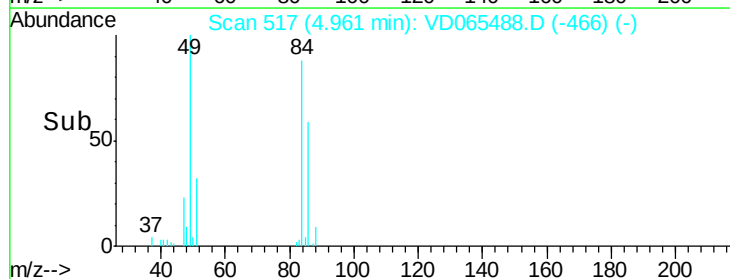
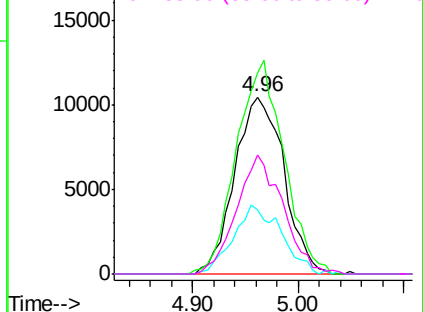


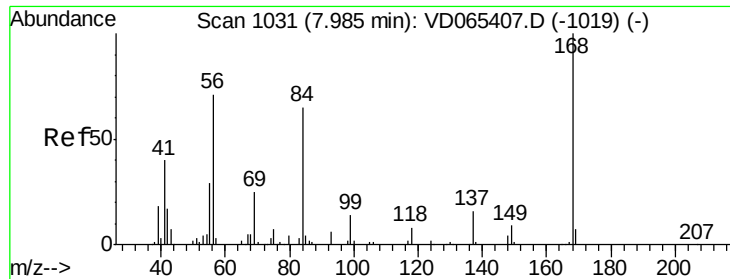
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

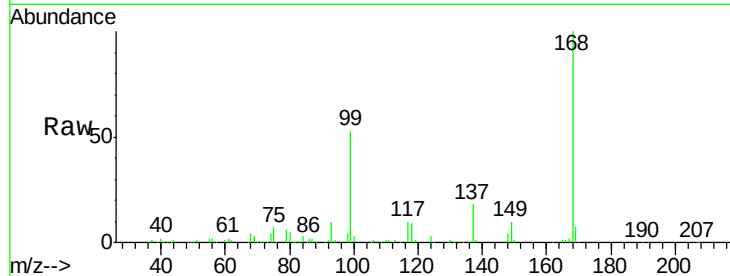




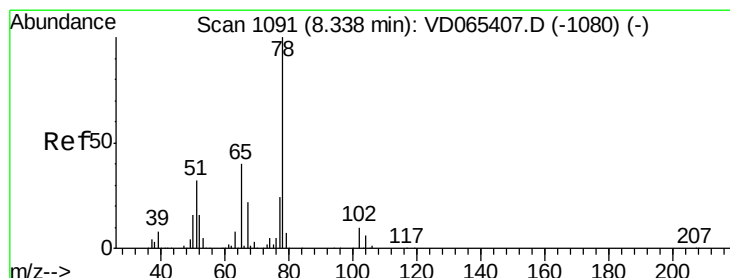
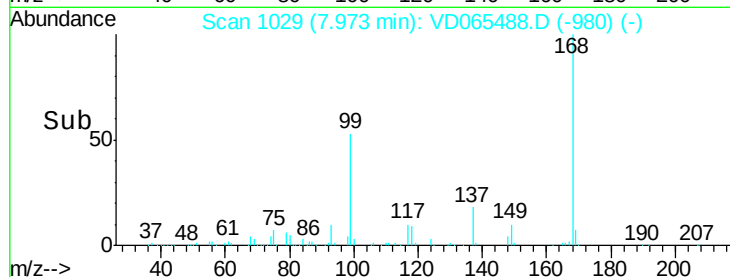
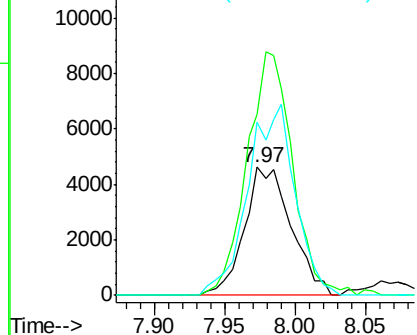
#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD065488.D
Acq: 12 Mar 2020 17:20

Instrument :
MSVOA_D
ClientSampled :
Z3-S1A

Tgt Ion: 56 Resp: 10801
Ion Ratio Lower Upper
56 100
69 141.1 28.3 42.5#
84 135.5 73.1 109.7#

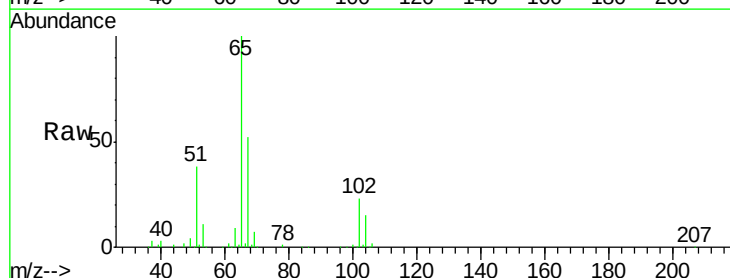


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

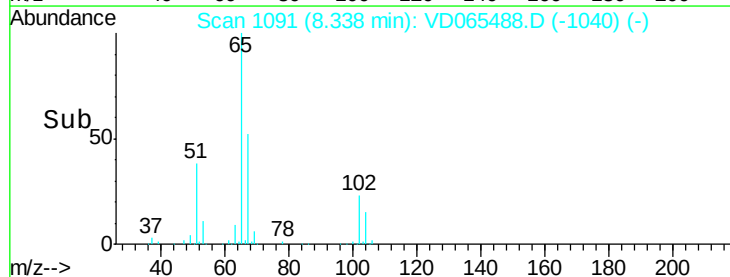
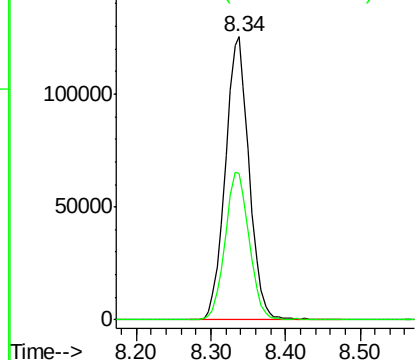


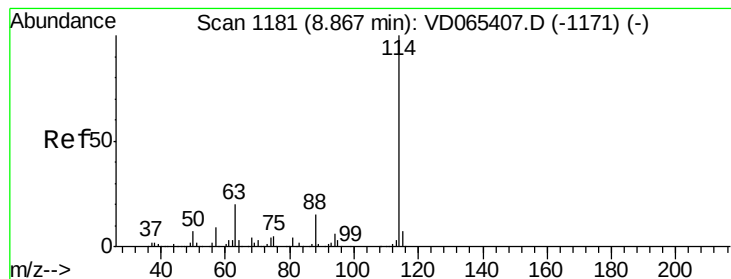
#33
1,2-Dichloroethane-d4
Concen: 58.47 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065488.D
Acq: 12 Mar 2020 17:20

Tgt Ion: 65 Resp: 277541
Ion Ratio Lower Upper
65 100
67 52.8 0.0 108.0



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





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

Z3-S1A

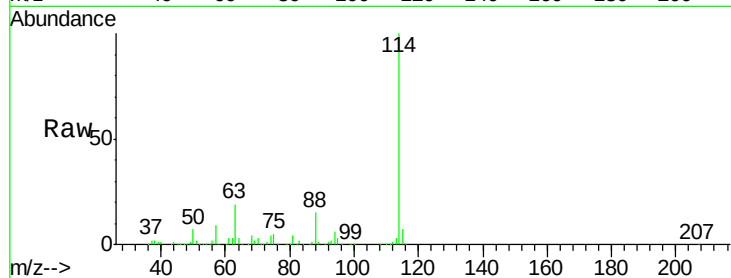
Tgt Ion:114 Resp: 944760

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

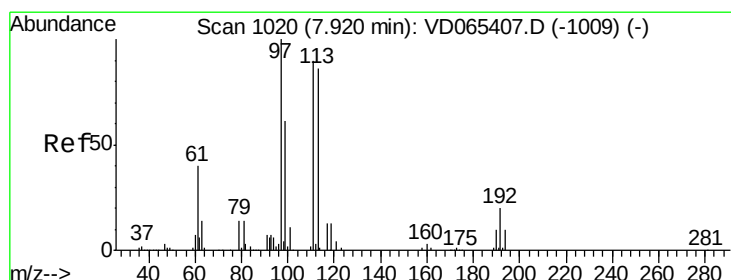
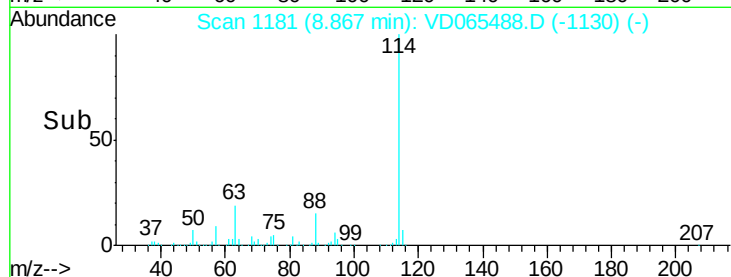
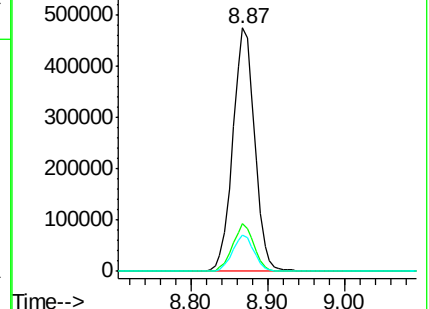
88 15.1 0.0 30.4



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: 51.55 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

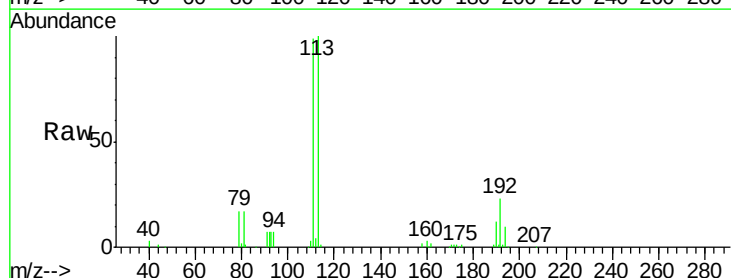
Tgt Ion:113 Resp: 301165

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

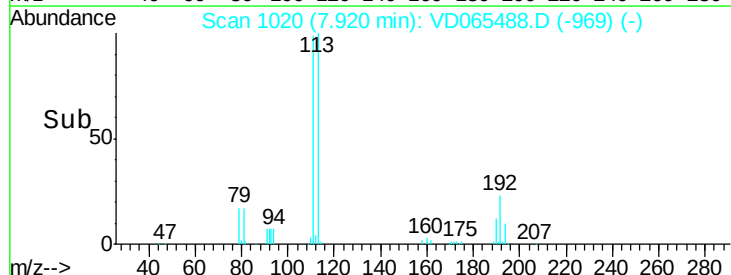
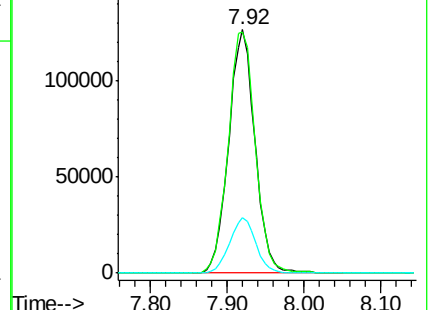
192 22.7 17.2 25.8

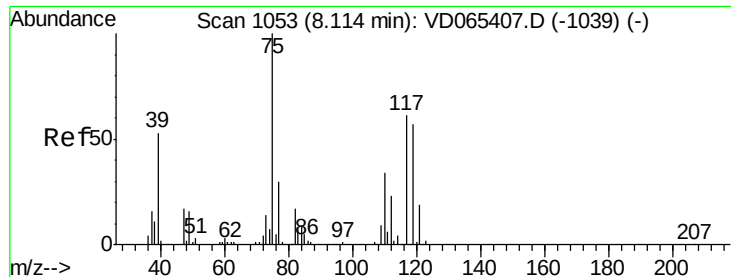


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

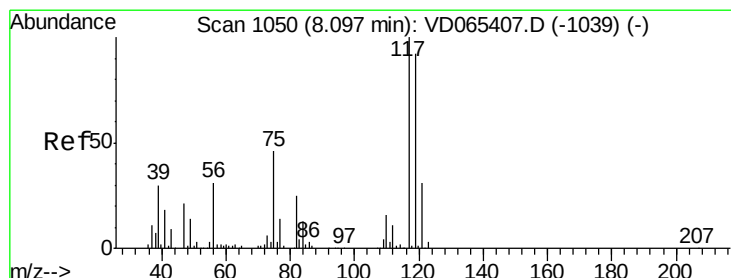
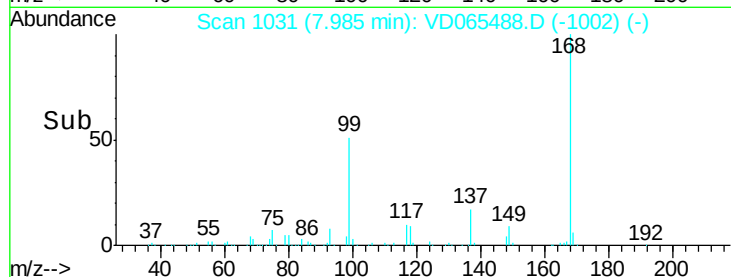
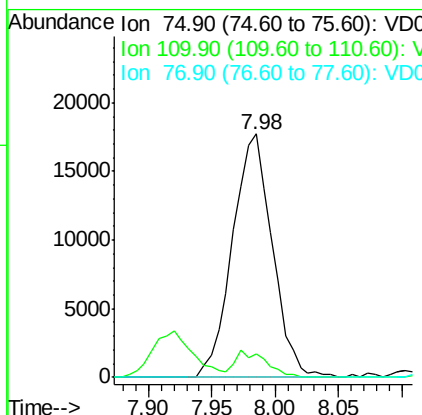
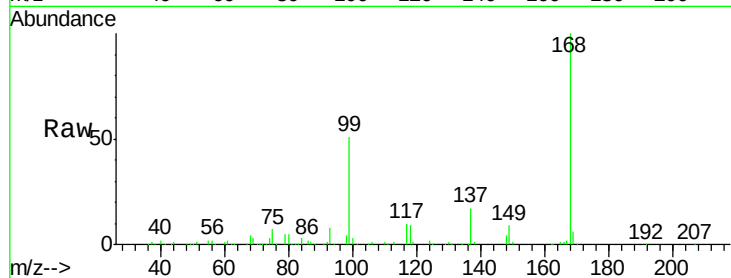




#36
 1,1-Dichloropropene
 Concen: 4.27 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065488.D
 Acq: 12 Mar 2020 17:20

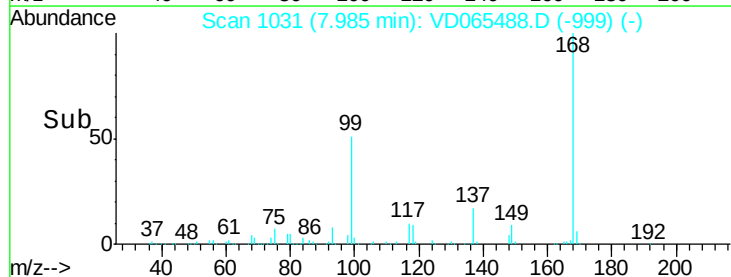
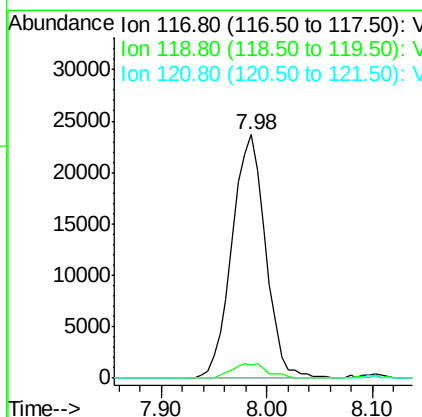
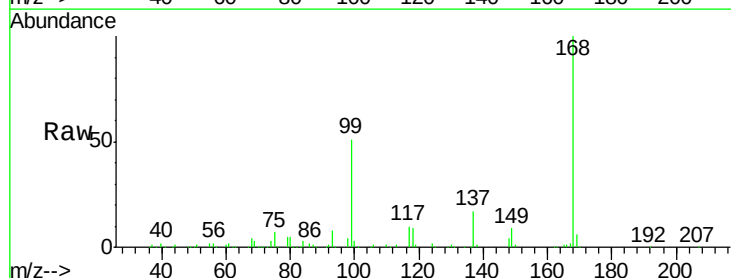
Instrument :
 MSVOA_D
 ClientSampleId :
 Z3-S1A

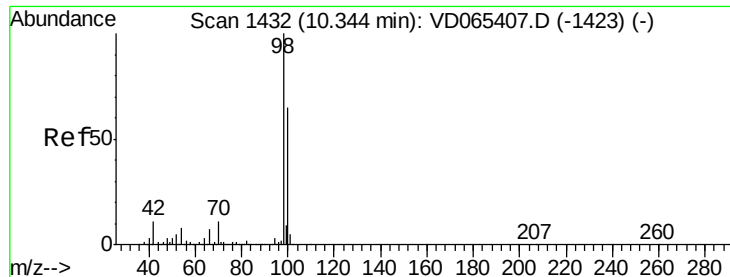
Tgt Ion: 75 Resp: 38643
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.1#
 77 0.0 25.2 37.8#



#38
 Carbon Tetrachloride
 Concen: 5.54 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065488.D
 Acq: 12 Mar 2020 17:20

Tgt Ion: 117 Resp: 52071
 Ion Ratio Lower Upper
 117 100
 119 5.7 73.3 109.9#
 121 0.0 25.0 37.4#





#50

Toluene-d8

Concen: 50.80 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

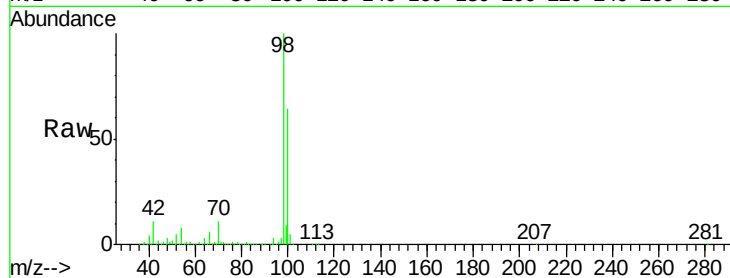
Z3-S1A

Tgt Ion: 98 Resp: 1138590

Ion Ratio Lower Upper

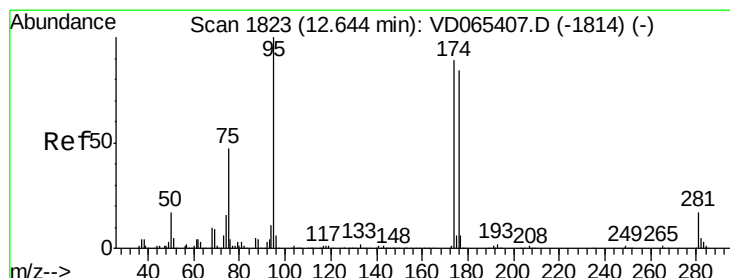
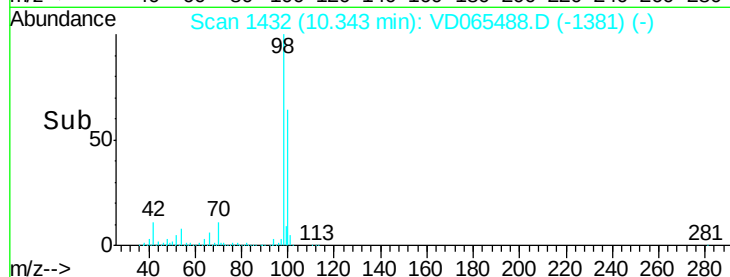
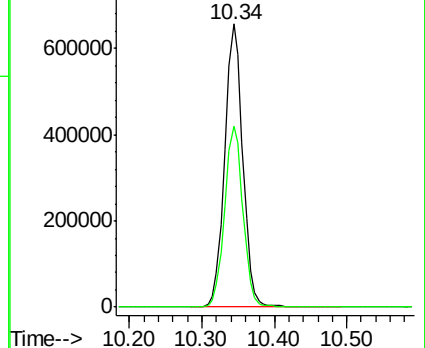
98 100

100 64.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 52.09 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

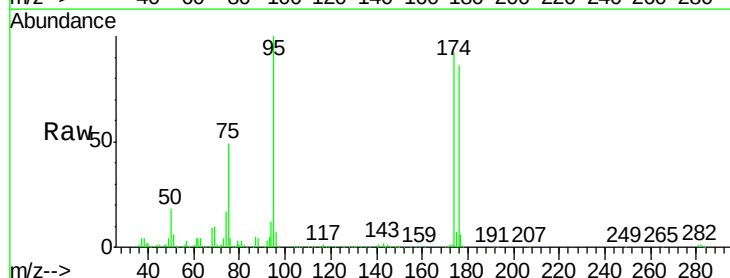
Tgt Ion: 95 Resp: 360454

Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.8

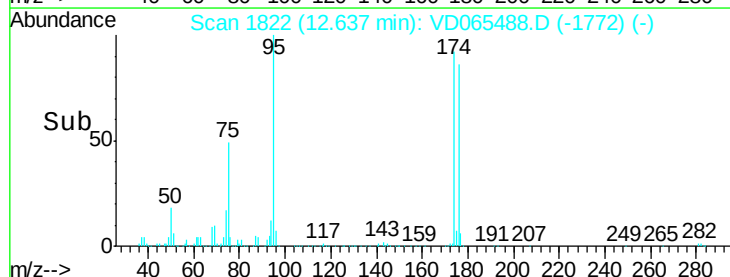
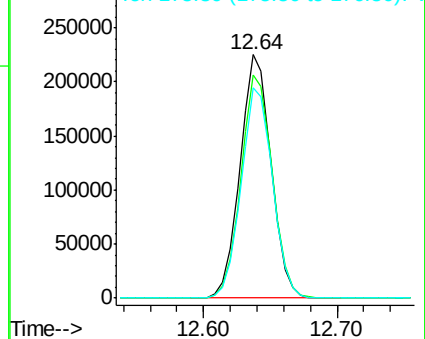
176 87.5 0.0 171.4

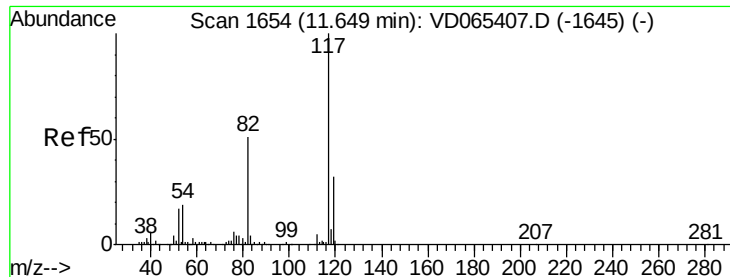


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

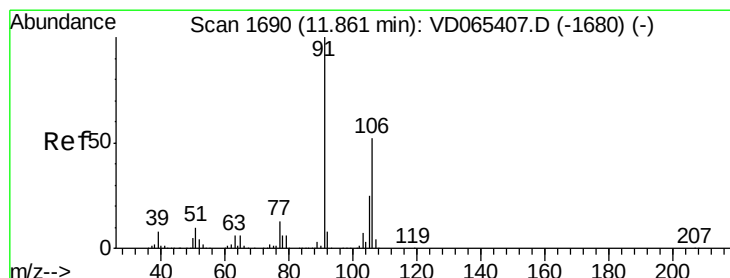
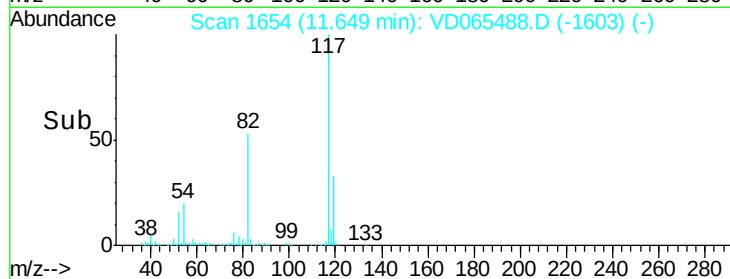
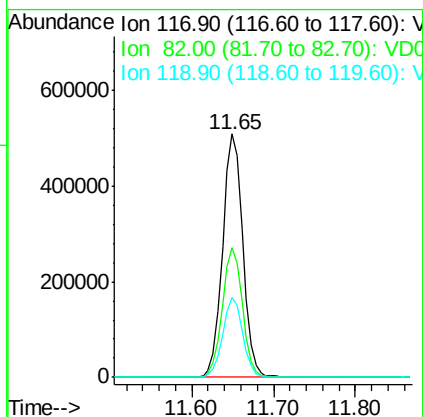
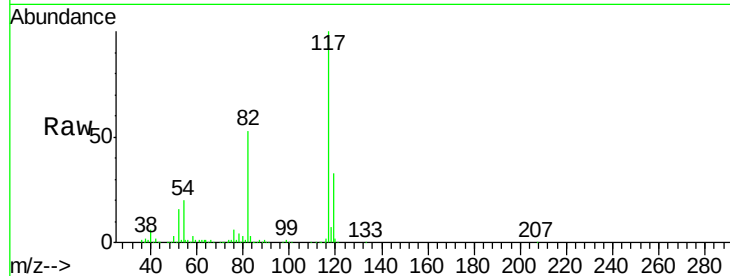




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065488.D
Acq: 12 Mar 2020 17:20

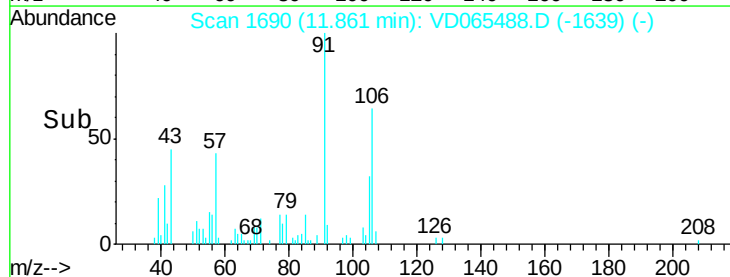
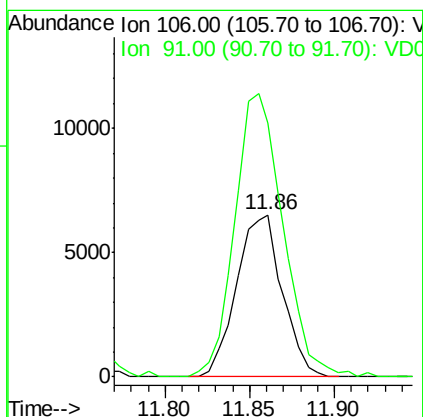
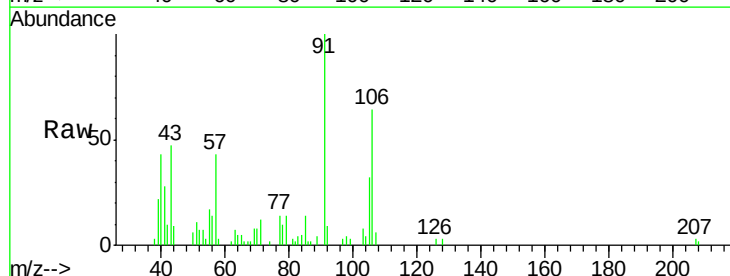
Instrument :
MSVOA_D
ClientSampleId :
Z3-S1A

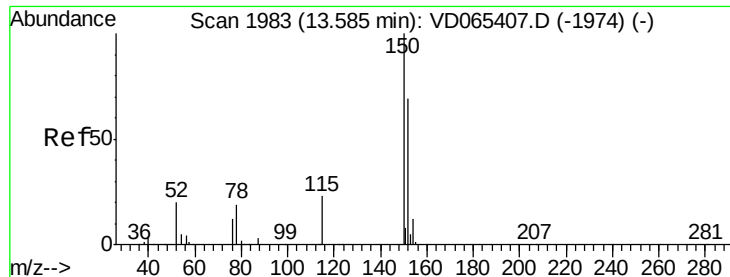
Tgt Ion:117 Resp: 874078
Ion Ratio Lower Upper
117 100
82 53.0 40.6 60.8
119 33.0 25.4 38.2



#68
m/p-Xylenes
Concen: 1.06 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065488.D
Acq: 12 Mar 2020 17:20

Tgt Ion:106 Resp: 12226
Ion Ratio Lower Upper
106 100
91 184.7 155.9 233.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

Z3-S1A

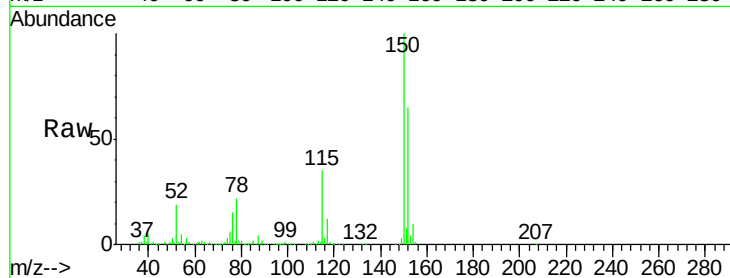
Tgt Ion:152 Resp: 413717

Ion Ratio Lower Upper

152 100

115 54.6 27.6 82.8

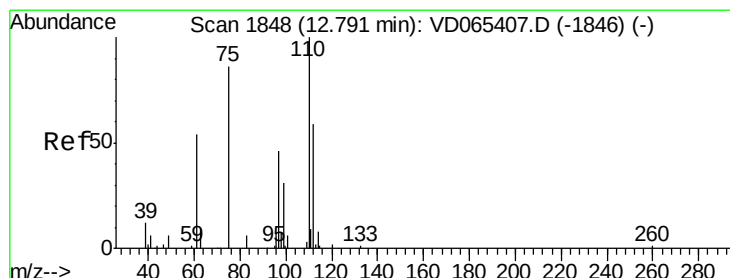
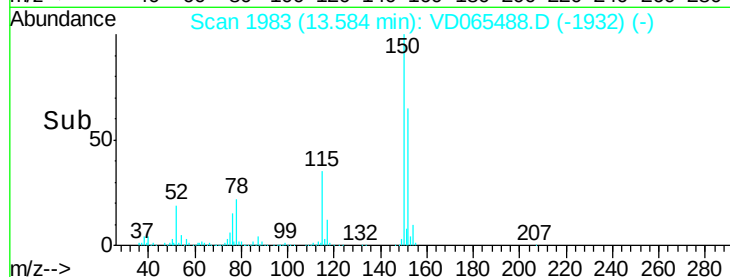
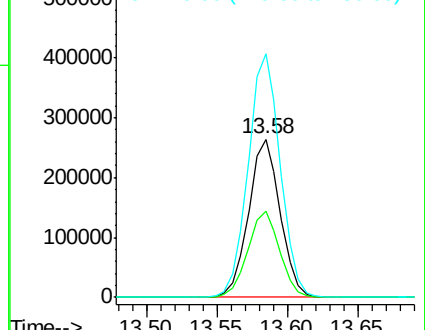
150 156.6 0.0 345.0



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: 53.12 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065488.D

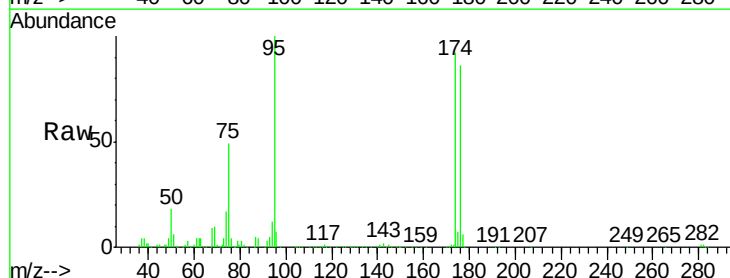
Acq: 12 Mar 2020 17:20

Tgt Ion: 75 Resp: 173425

Ion Ratio Lower Upper

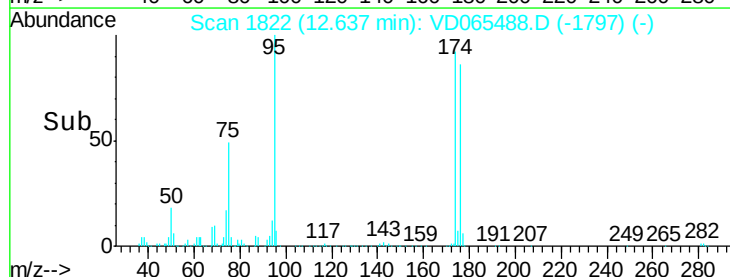
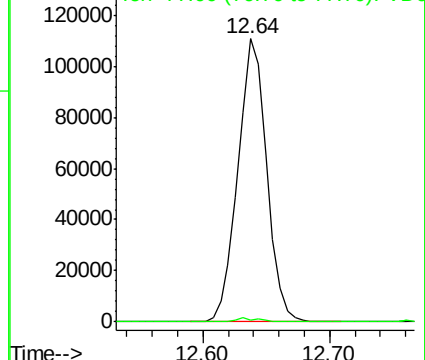
75 100

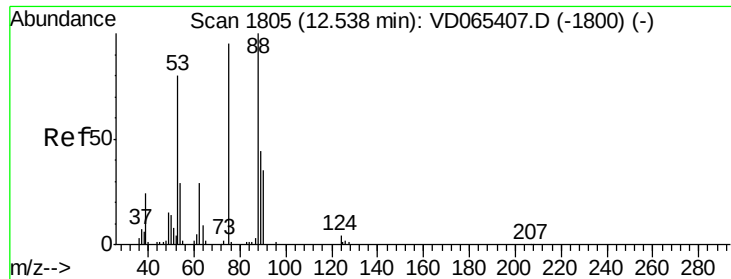
77 1.2 0.0 0.0#



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: 112.11 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

Z3-S1A

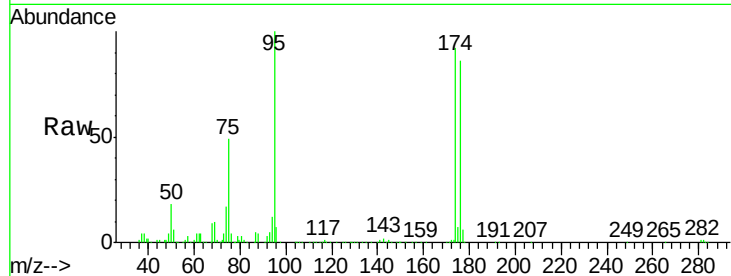
Tgt Ion: 75 Resp: 173425

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

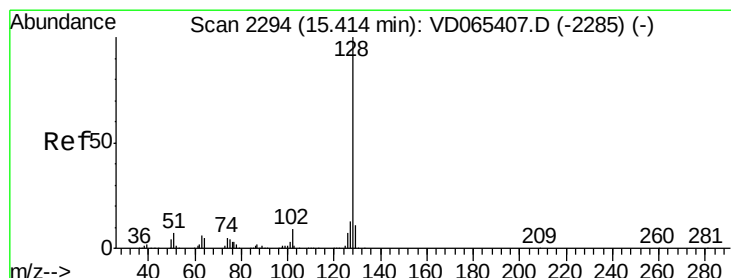
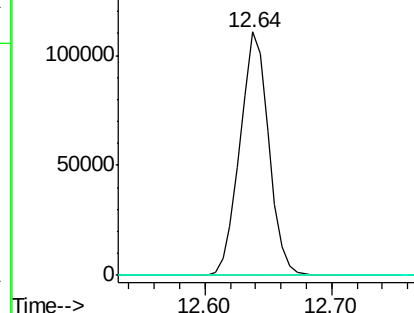
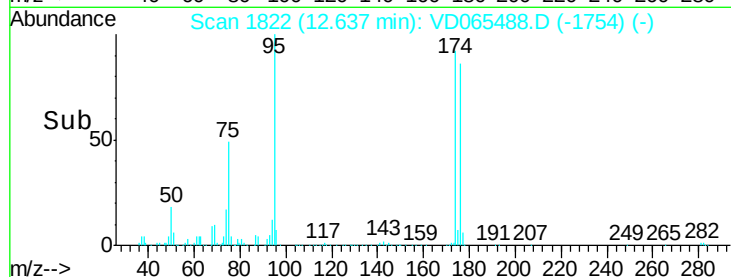
89 0.0 37.0 55.6#



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



#95

Naphthalene

Concen: 4.50 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065488.D

Acq: 12 Mar 2020 17:20

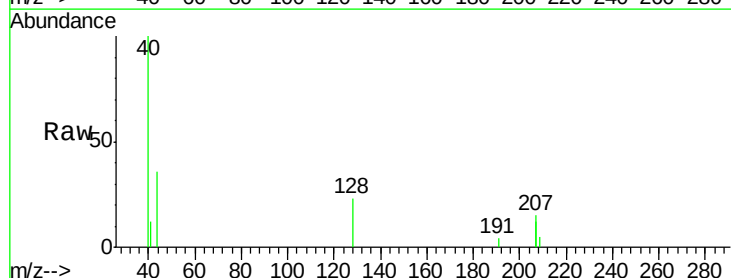
Tgt Ion: 128 Resp: 1348

Ion Ratio Lower Upper

128 100

127 4.5 10.6 16.0#

129 5.5 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

