

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
 Data File : VD065492.D
 Acq On : 12 Mar 2020 19:15
 Operator : VA/SY
 Sample : L1912-23
 Misc : 7.30G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 Z1-4A

Quant Time: Mar 13 04:26:55 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	7.99	168	553493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	939883	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	885009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	416644	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	281871	59.37	ug/l	0.00
Spiked Amount						
			Recovery	=	118.74%	
35) Dibromofluoromethane	7.92	113	301446	51.86	ug/l	0.00
Spiked Amount						
			Recovery	=	103.72%	
50) Toluene-d8	10.34	98	1143342	51.28	ug/l	0.00
Spiked Amount						
			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.64	95	362289	52.63	ug/l	0.00
Spiked Amount						
			Recovery	=	105.26%	

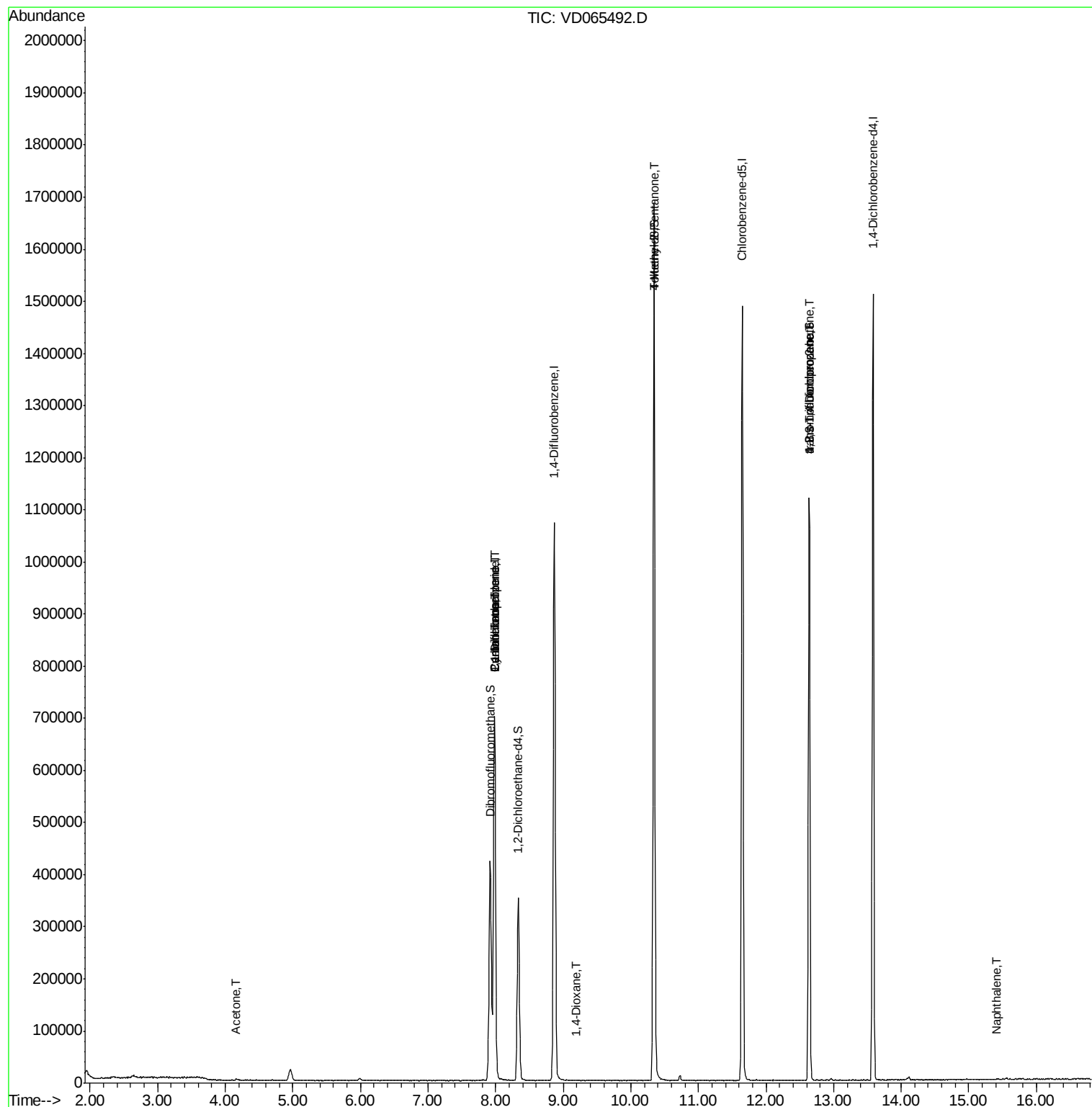
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	313	Below Cal		87
16) Acetone	4.16	43	4317	4.50	ug/l	96
20) Methylene Chloride	4.97	84	17331	Below Cal		90
31) Cyclohexane	7.99	56	10354	1.10	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	38817	4.31	ug/l #	49
38) Carbon Tetrachloride	7.99	117	50590	5.42	ug/l #	18
49) 1,4-Dioxane	9.20	88	70	1.93	ug/l #	7
51) 4-Methyl-2-Pentanone	10.34	43	4461	1.38	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	175526	53.39	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	175526	112.67	ug/l #	14
95) Naphthalene	15.41	128	597	4.45	ug/l #	69

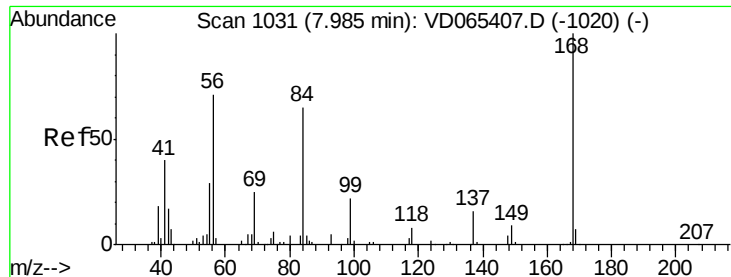
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031220\
Data File : VD065492.D
Acq On : 12 Mar 2020 19:15
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MSVOA_D
ClientSampled :
Z1-4A

Quant Time: Mar 13 04:26:55 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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

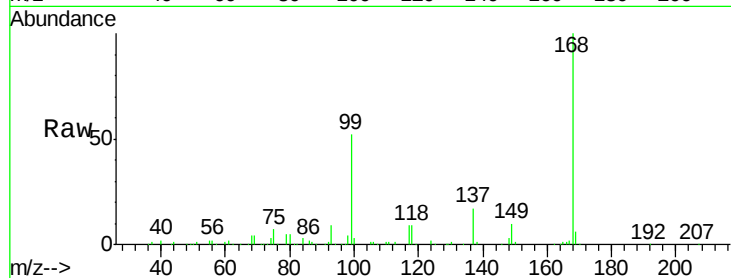
Z1-4A

Tgt Ion:168 Resp: 553493

Ion Ratio Lower Upper

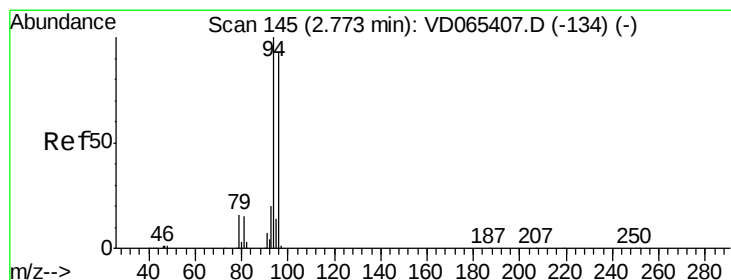
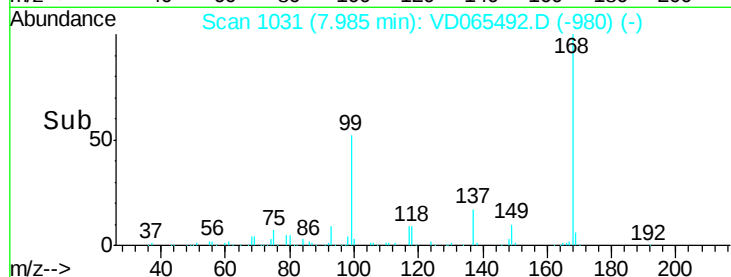
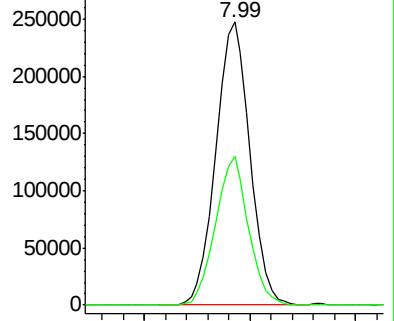
168 100

99 52.5 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# 145

Delta R.T. 0.00 min

Lab File: VD065492.D

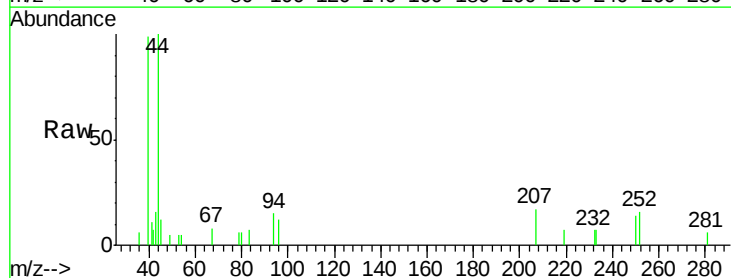
Acq: 12 Mar 2020 19:15

Tgt Ion: 94 Resp: 313

Ion Ratio Lower Upper

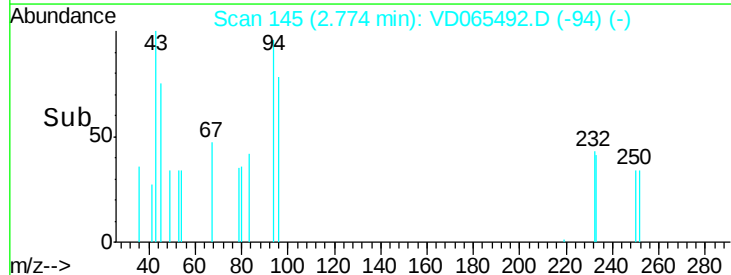
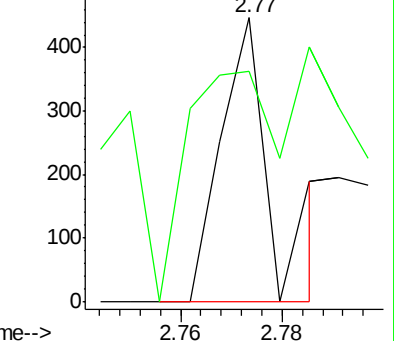
94 100

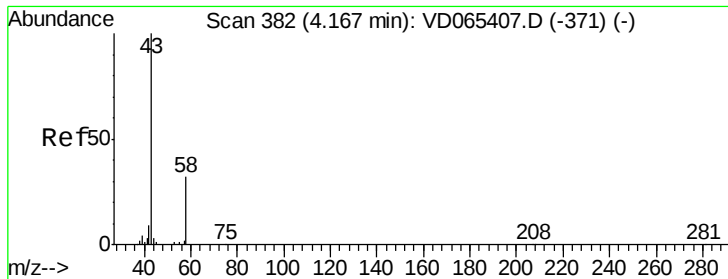
96 81.0 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 4.50 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

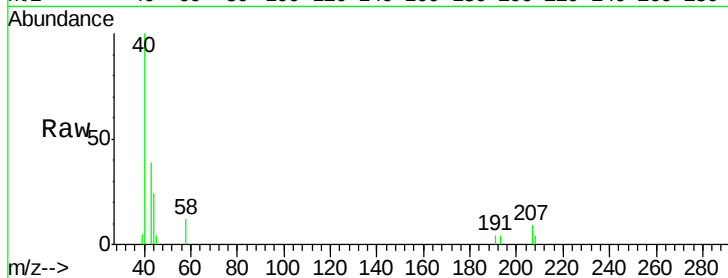
Z1-4A

Tgt Ion: 43 Resp: 4317

Ion Ratio Lower Upper

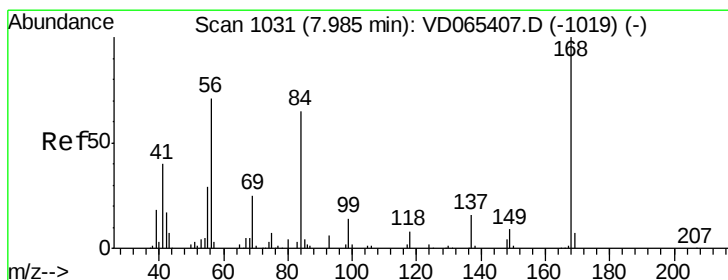
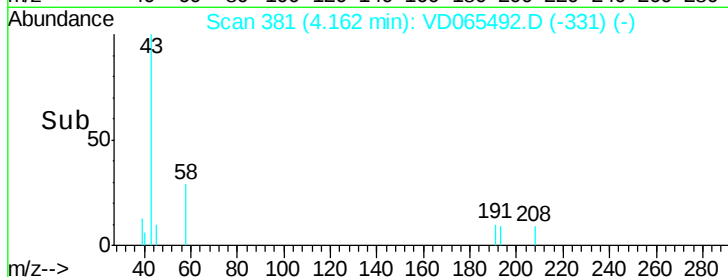
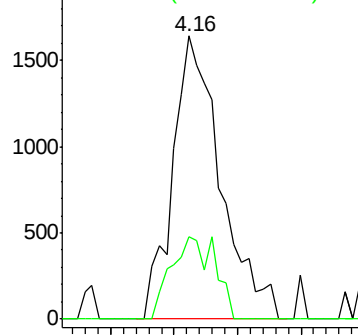
43 100

58 29.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.10 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

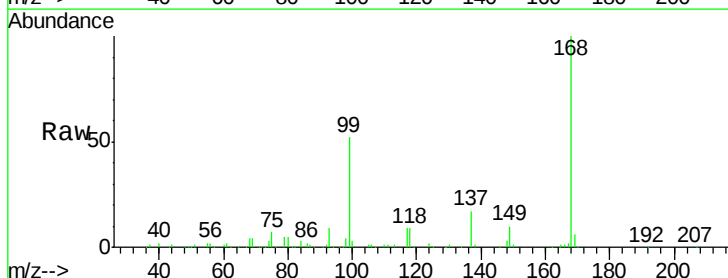
Tgt Ion: 56 Resp: 10354

Ion Ratio Lower Upper

56 100

69 198.0 28.3 42.5#

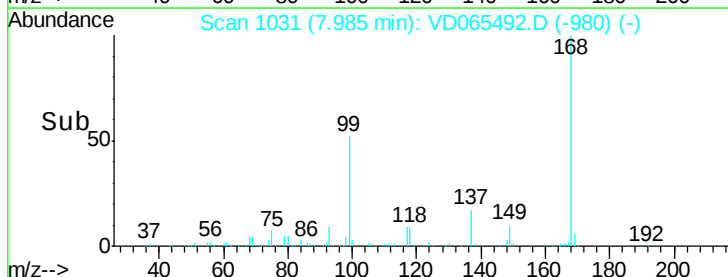
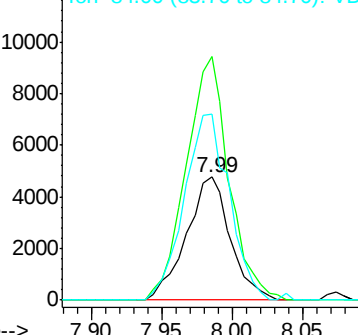
84 151.7 73.1 109.7#

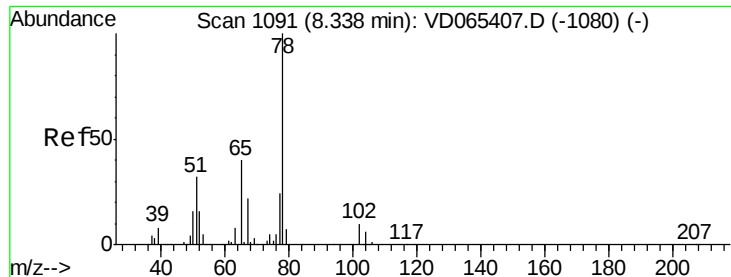


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

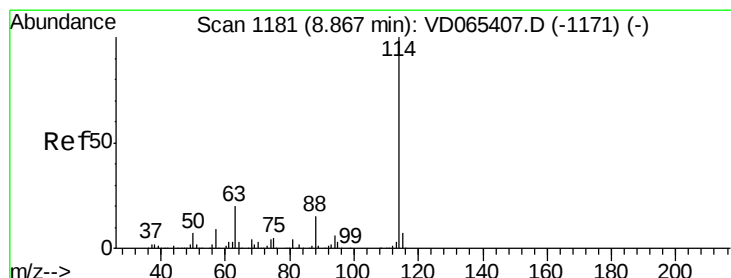
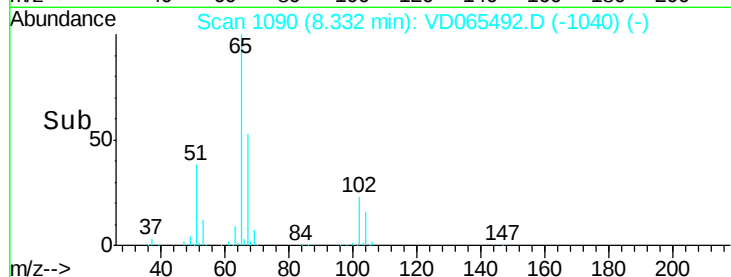
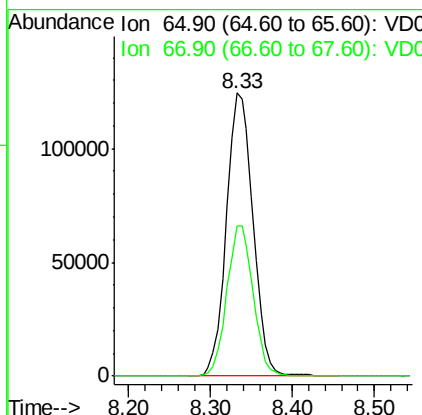
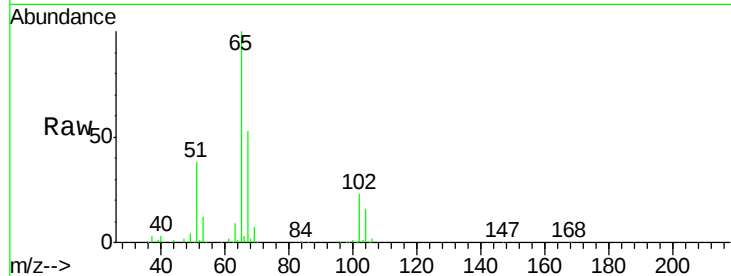




#33
 1,2-Dichloroethane-d4
 Concen: 59.37 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065492.D
 Acq: 12 Mar 2020 19:15

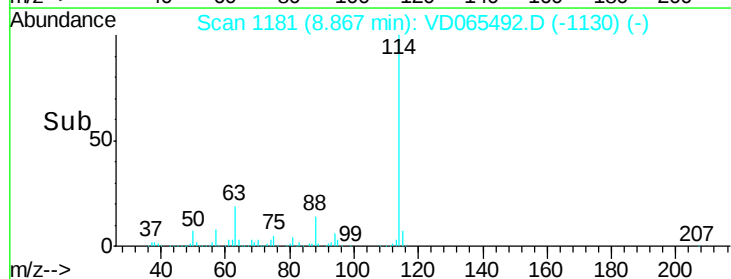
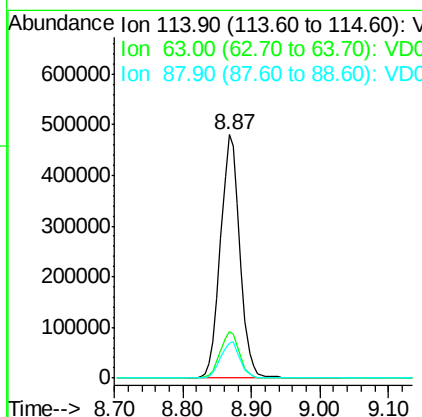
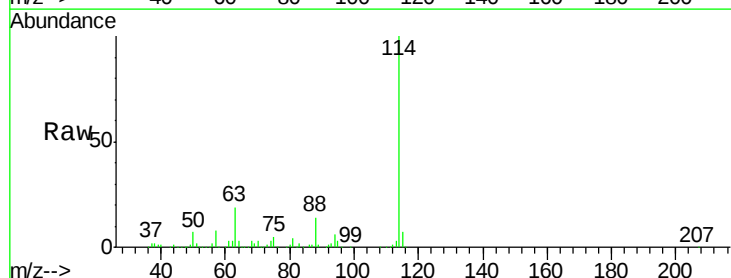
Instrument :
 MSVOA_D
 ClientSampleId :
 Z1-4A

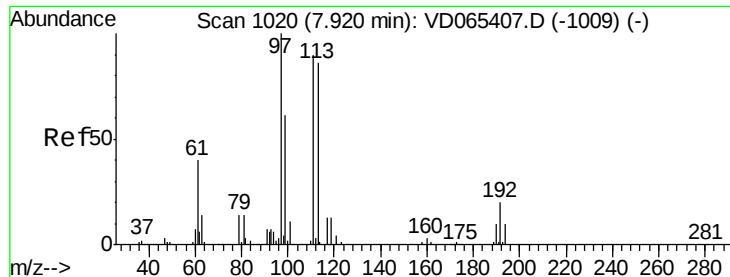
Tgt Ion: 65 Resp: 281871
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065492.D
 Acq: 12 Mar 2020 19:15

Tgt Ion: 114 Resp: 939883
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 14.4 0.0 30.4

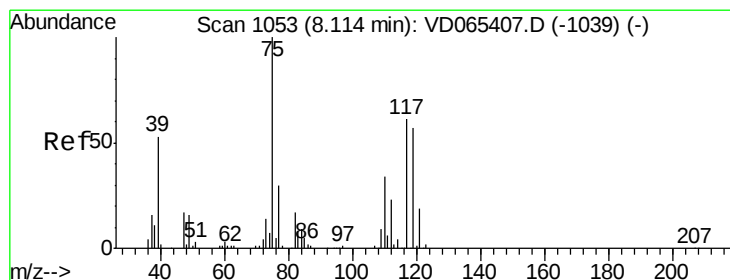
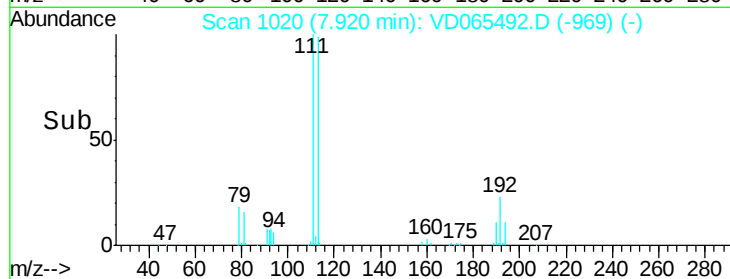
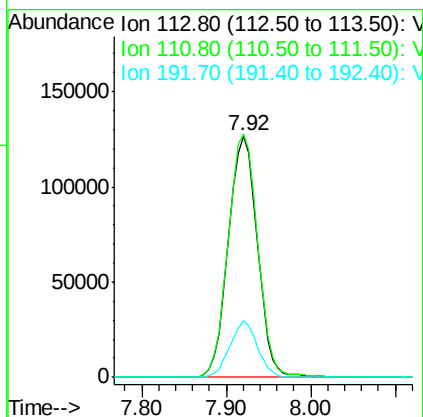
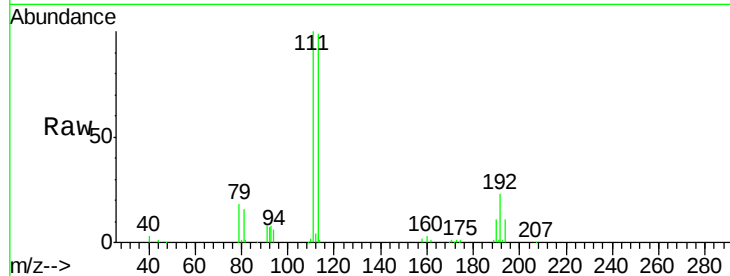




#35
 Dibromofluoromethane
 Concen: 51.86 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065492.D
 Acq: 12 Mar 2020 19:15

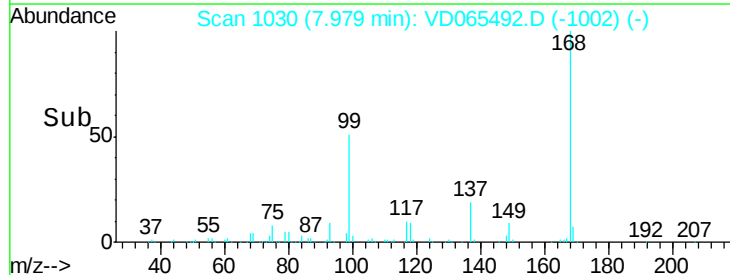
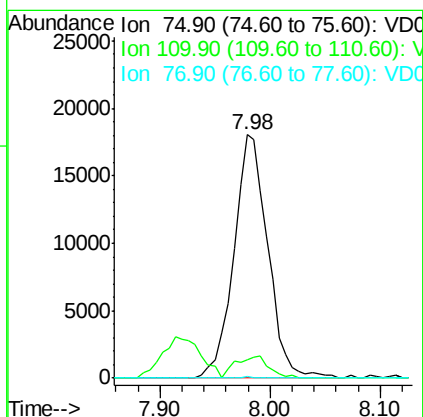
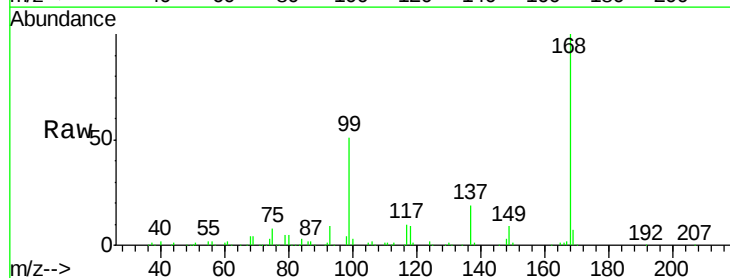
Instrument :
 MSVOA_D
 ClientSampleId :
 Z1-4A

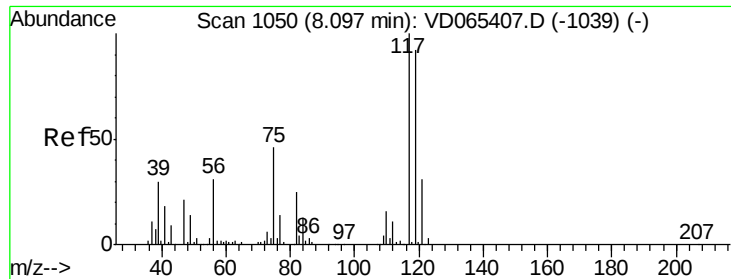
Tgt Ion: 113 Resp: 301446
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.1 123.1
 192 22.1 17.2 25.8



#36
 1,1-Dichloropropene
 Concen: 4.31 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065492.D
 Acq: 12 Mar 2020 19:15

Tgt Ion: 75 Resp: 38817
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.1#
 77 0.2 25.2 37.8#

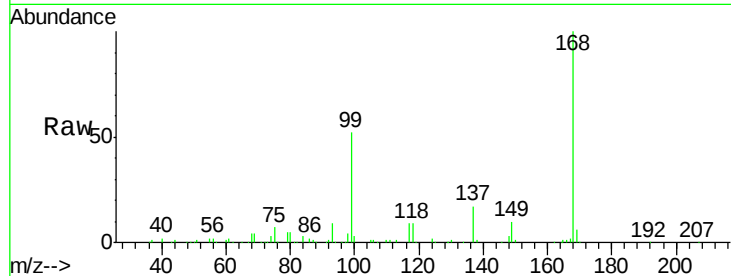




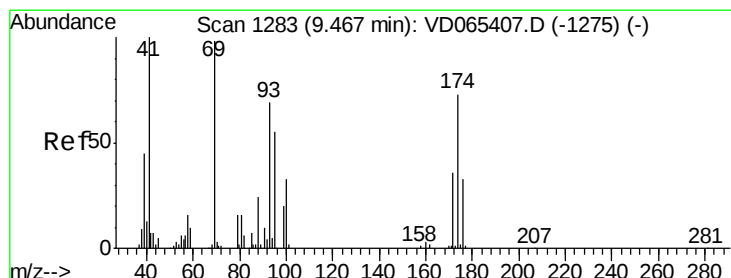
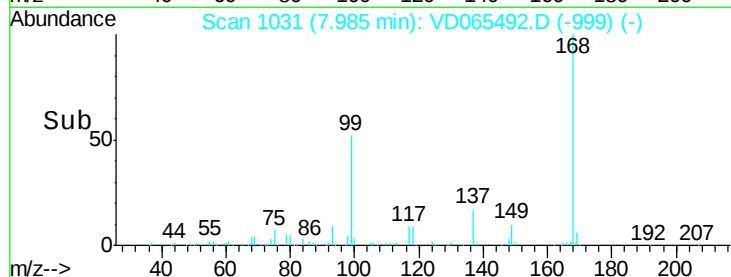
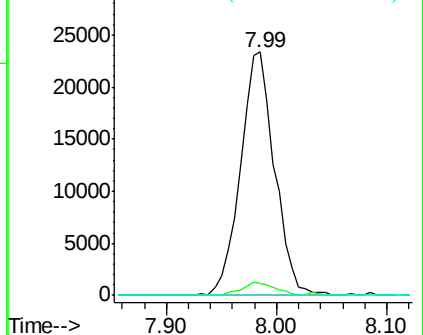
#38
Carbon Tetrachloride
Concen: 5.42 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065492.D
Acq: 12 Mar 2020 19:15

Instrument :
MSVOA_D
ClientSampleId :
Z1-4A

Tgt Ion: 117 Resp: 50590
Ion Ratio Lower Upper
117 100
119 4.8 73.3 109.9#
121 0.0 25.0 37.4#

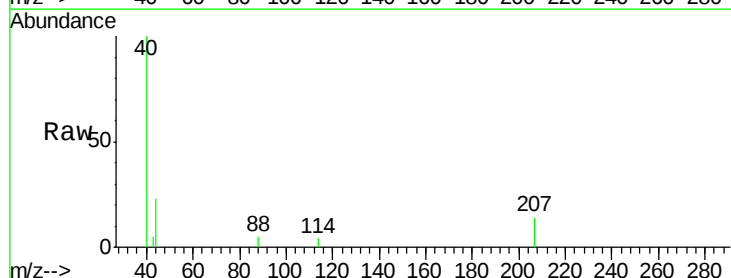


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

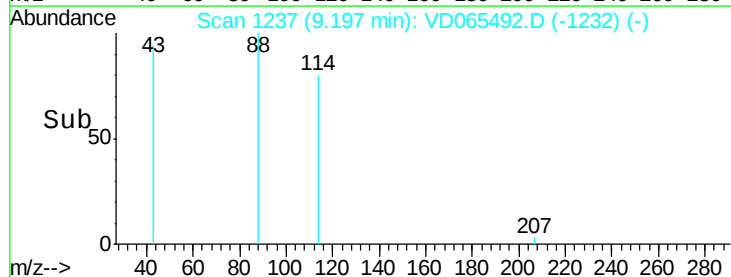
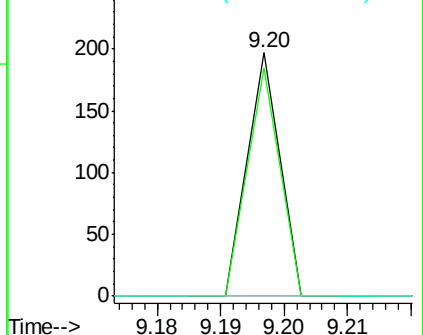


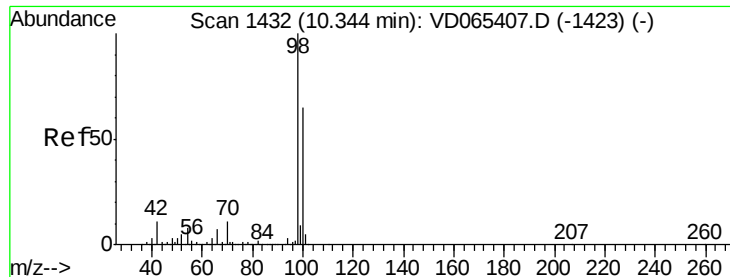
#49
1,4-Dioxane
Concen: 1.93 ug/l
RT: 9.20 min Scan# 1237
Delta R.T. -0.27 min
Lab File: VD065492.D
Acq: 12 Mar 2020 19:15

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 92.9 24.5 36.7#
58 0.0 54.5 81.7#



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: 51.28 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

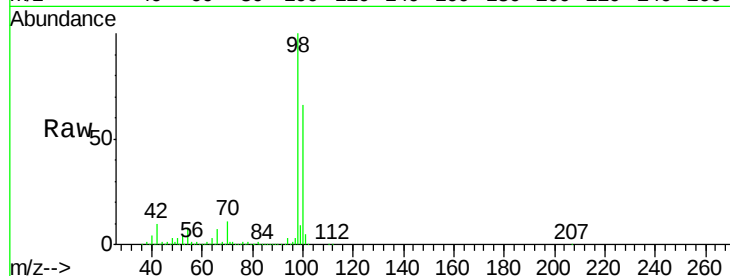
Z1-4A

Tgt Ion: 98 Resp: 1143342

Ion Ratio Lower Upper

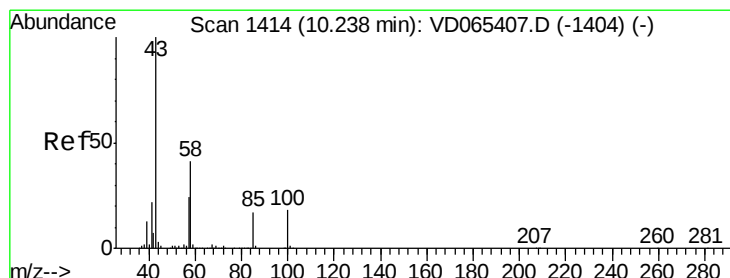
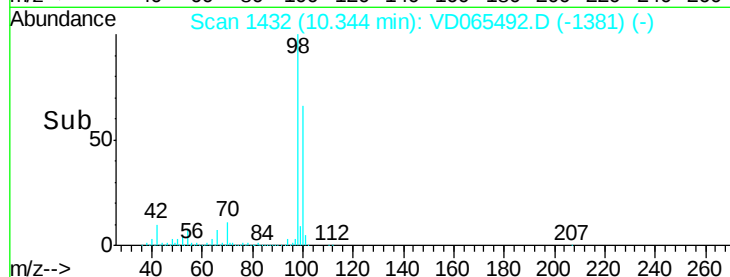
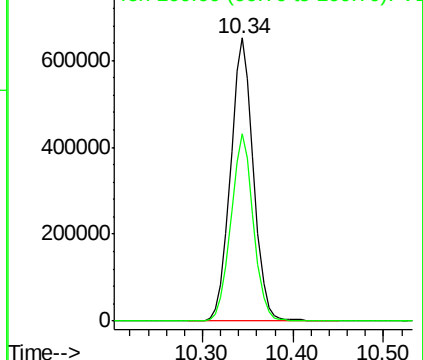
98 100

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



#51

4-Methyl-2-Pentanone

Concen: 1.38 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065492.D

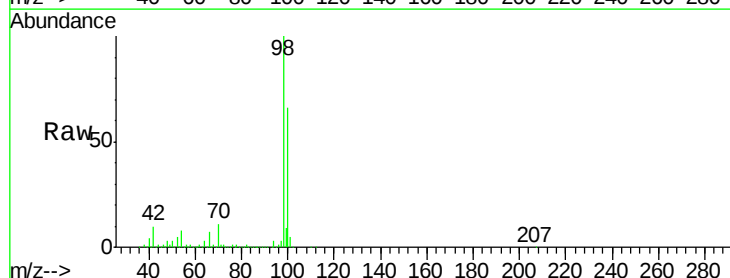
Acq: 12 Mar 2020 19:15

Tgt Ion: 43 Resp: 4461

Ion Ratio Lower Upper

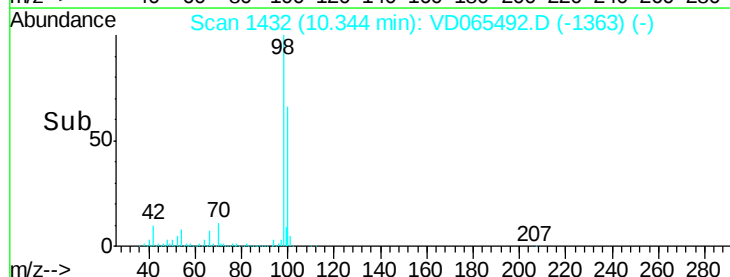
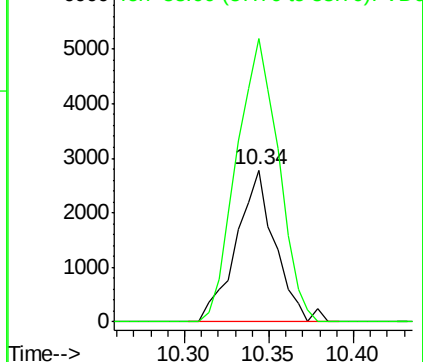
43 100

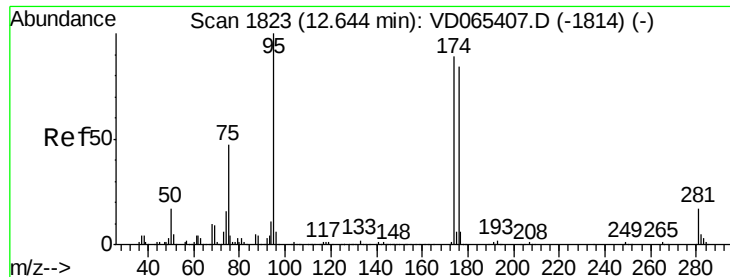
58 202.4 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 52.63 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

Z1-4A

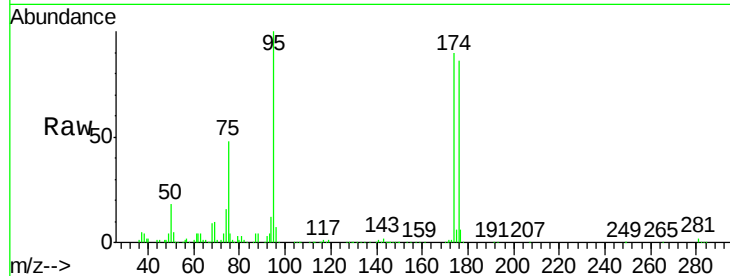
Tgt Ion: 95 Resp: 362289

Ion Ratio Lower Upper

95 100

174 90.1 0.0 176.8

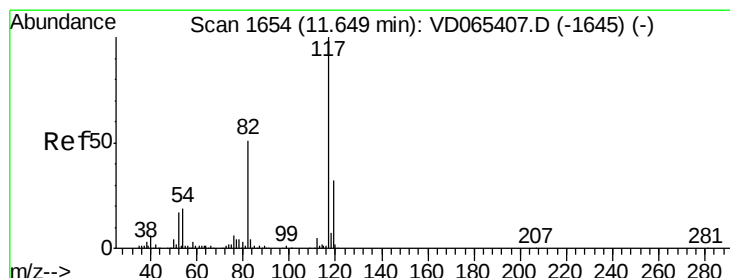
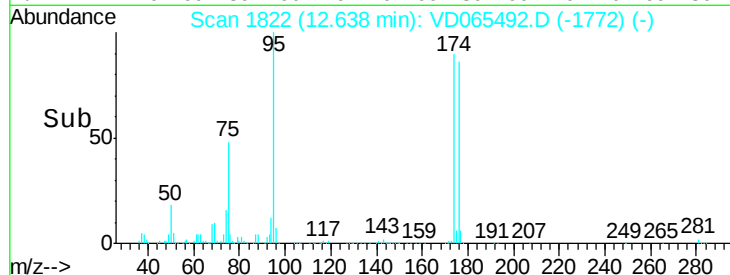
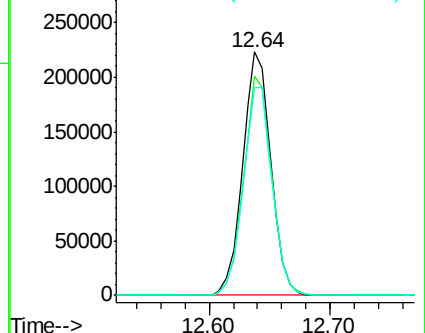
176 87.2 0.0 171.4



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: VD065492.D

Acq: 12 Mar 2020 19:15

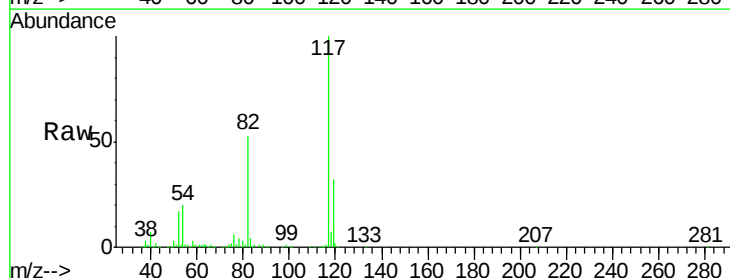
Tgt Ion: 117 Resp: 885009

Ion Ratio Lower Upper

117 100

82 52.8 40.6 60.8

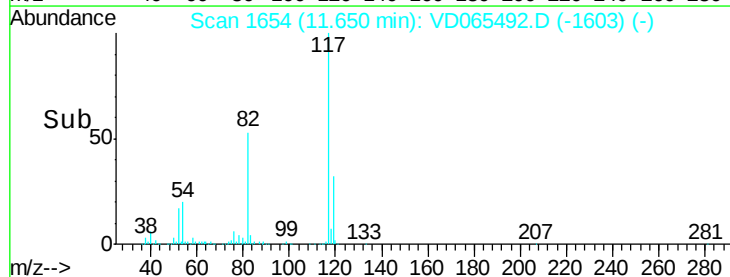
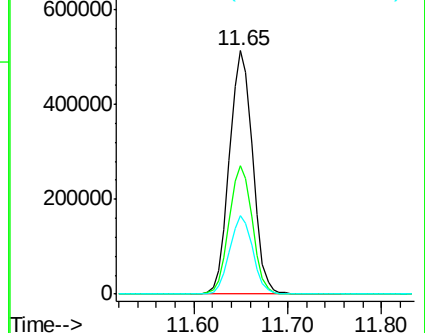
119 32.3 25.4 38.2

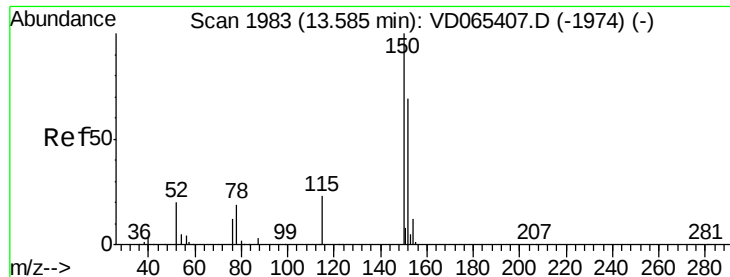


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

Instrument :

MSVOA_D

ClientSampled :

Z1-4A

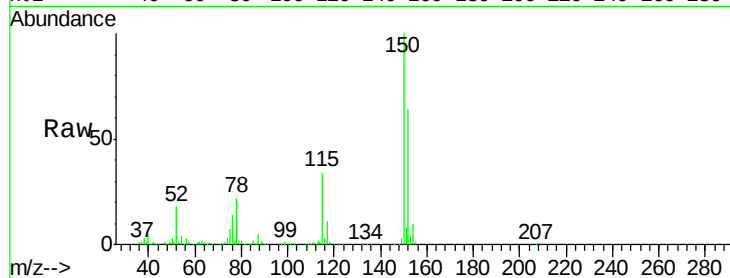
Tgt Ion:152 Resp: 416644

Ion Ratio Lower Upper

152 100

115 54.4 27.6 82.8

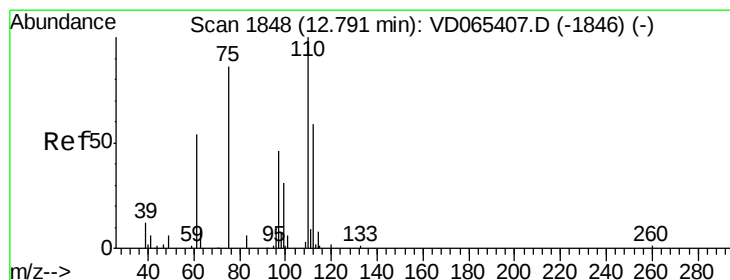
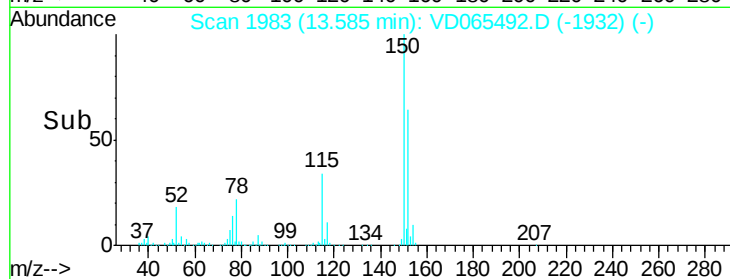
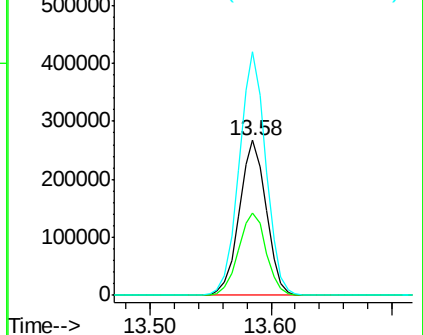
150 155.7 0.0 345.0



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: 53.39 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065492.D

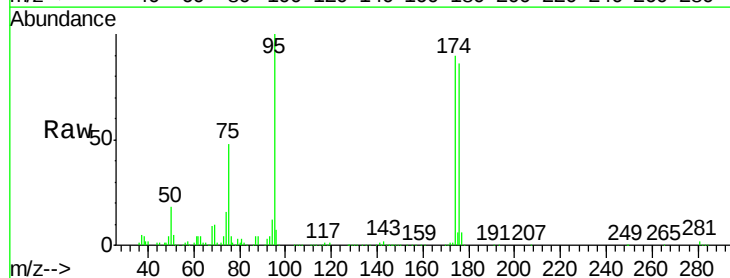
Acq: 12 Mar 2020 19:15

Tgt Ion: 75 Resp: 175526

Ion Ratio Lower Upper

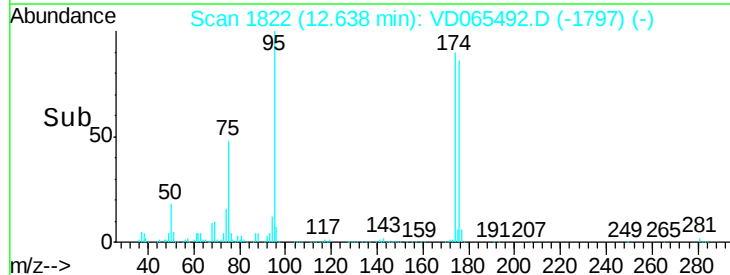
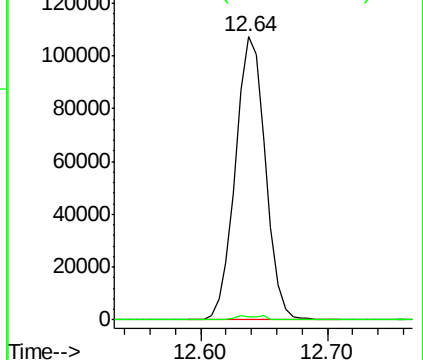
75 100

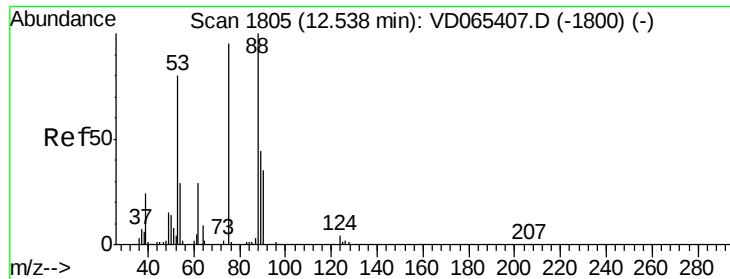
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.67 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

Instrument :

MSVOA_D

ClientSampleId :

Z1-4A

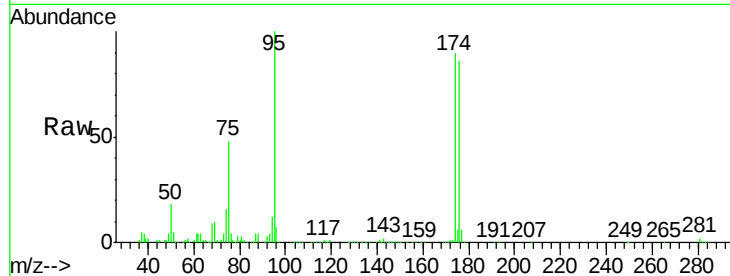
Tgt Ion: 75 Resp: 175526

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

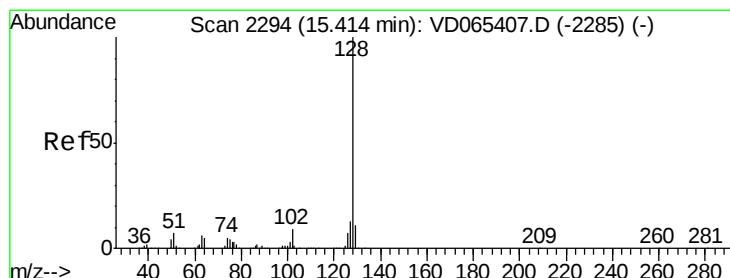
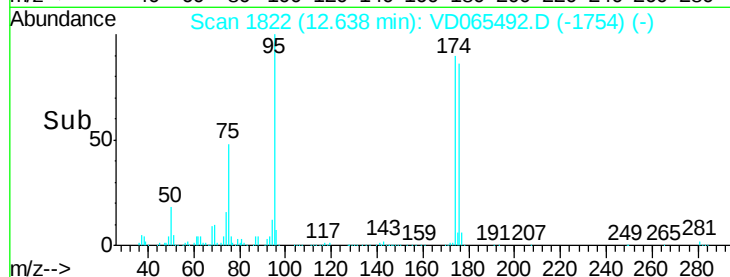
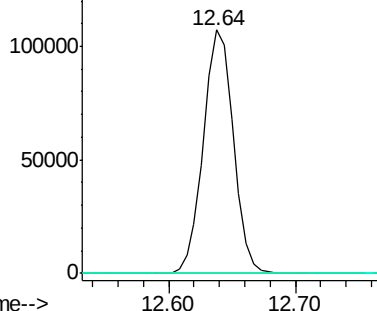
89 0.0 37.0 55.6#



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: 4.45 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065492.D

Acq: 12 Mar 2020 19:15

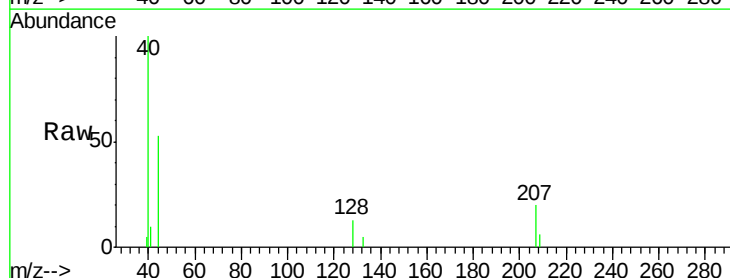
Tgt Ion: 128 Resp: 597

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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

