

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065314.D
 Acq On : 25 Feb 2020 17:55
 Operator : VA/SY
 Sample : L1370-06
 Misc : 7.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 23:39:44 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	7.98	168	542420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	932877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	838379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	380683	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	283166	58.03	ug/l	0.00
Spiked Amount			Recovery	=	116.06%	
35) Dibromofluoromethane	7.92	113	301169	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.34	98	1132811	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.64	95	339729	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	

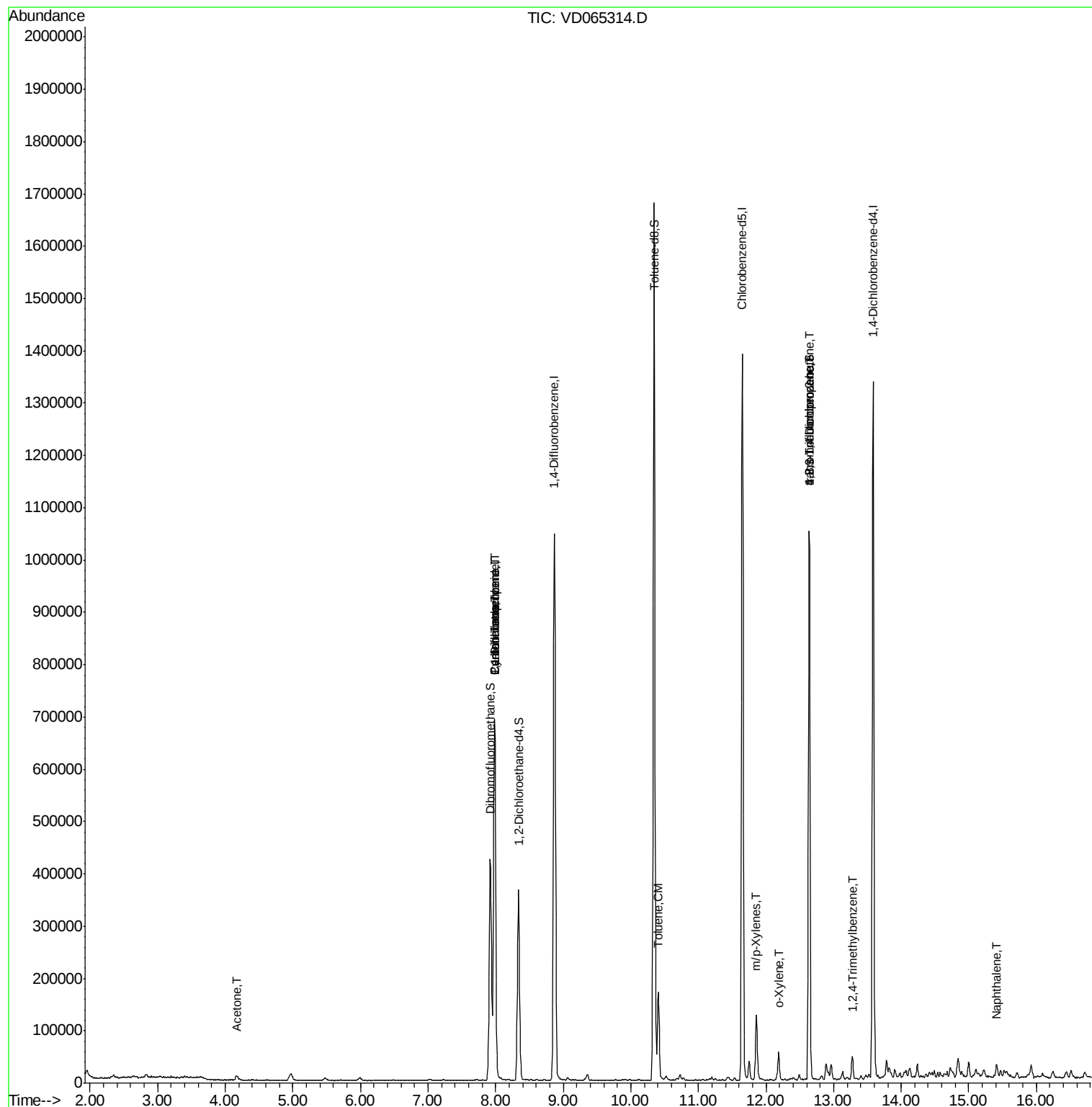
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	13808	11.576	ug/l	96
20) Methylene Chloride	4.97	84	9763	Below Cal		86
31) Cyclohexane	7.99	56	13478	1.405	ug/l #	24
36) 1,1-Dichloropropene	7.98	75	39010	4.298	ug/l #	50
38) Carbon Tetrachloride	7.98	117	50222	5.435	ug/l #	15
52) Toluene	10.41	92	71864	4.532	ug/l	100
68) m/p-Xylenes	11.86	106	38115	3.381	ug/l	99
69) o-Xylene	12.18	106	14959	1.498	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	165921	51.227	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	165921	110.607	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.28	105	24029	1.157	ug/l	97
95) Naphthalene	15.41	128	20937	1.895	ug/l #	95

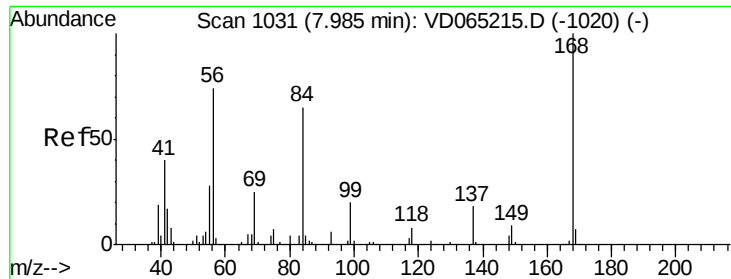
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

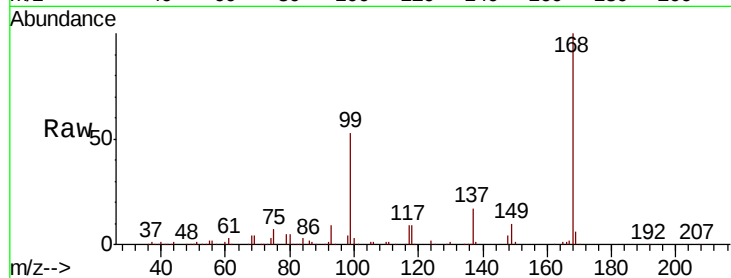
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 542420

Ion Ratio Lower Upper

168 100

99 52.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

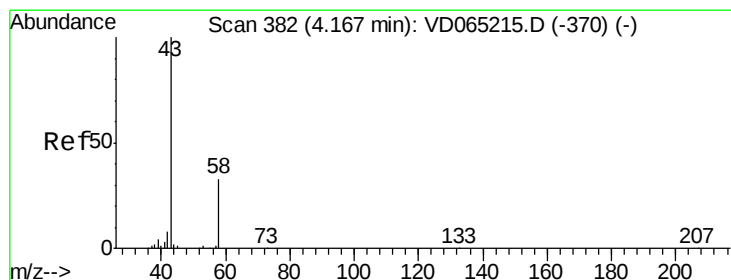
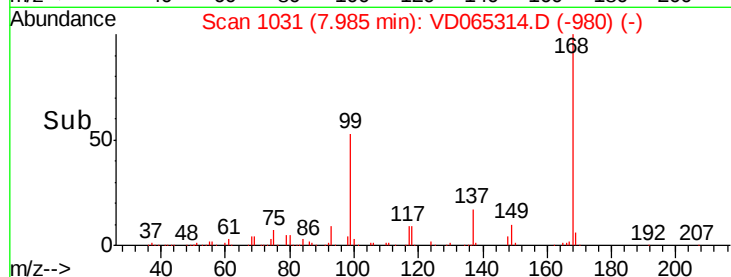
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.576 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065314.D

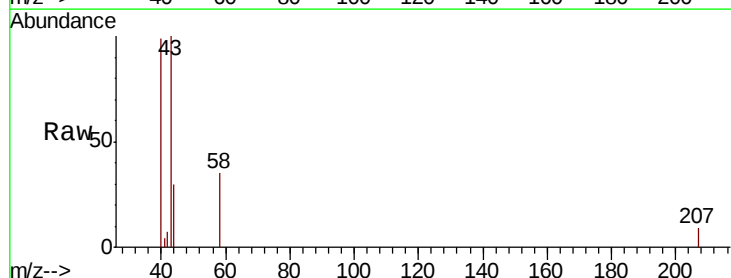
Acq: 25 Feb 2020 17:55

Tgt Ion: 43 Resp: 13808

Ion Ratio Lower Upper

43 100

58 35.0 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

5000

4000

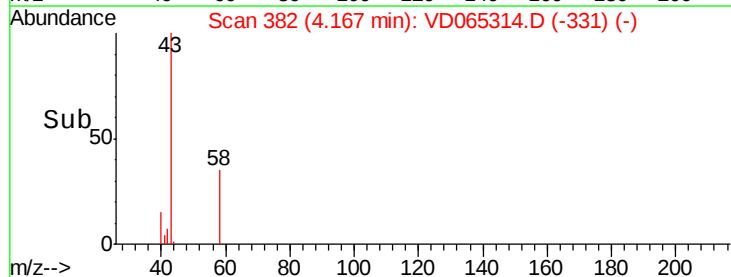
3000

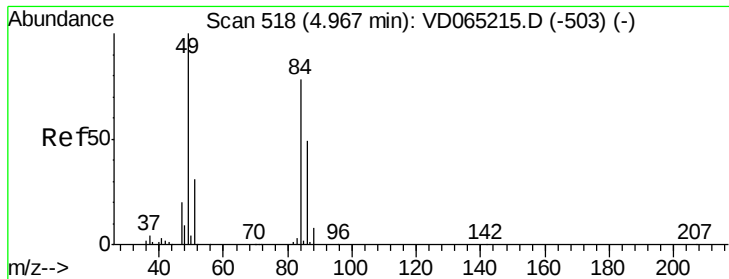
2000

1000

0

Time-->

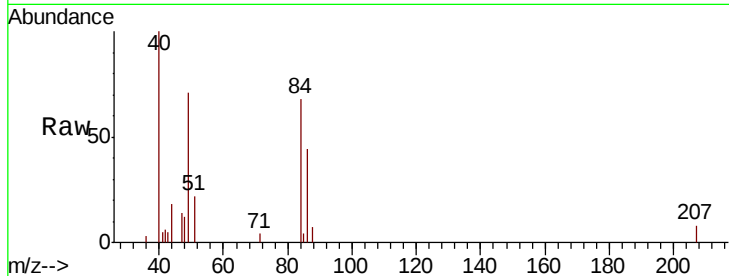




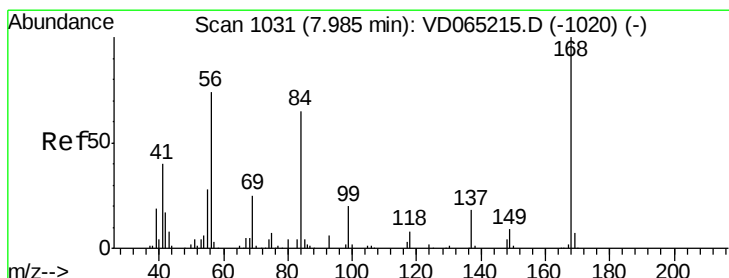
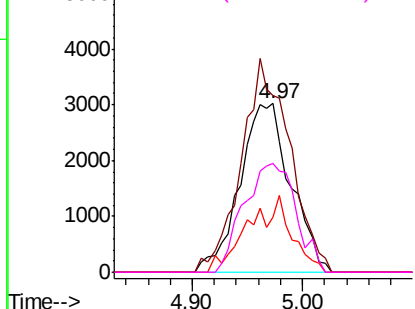
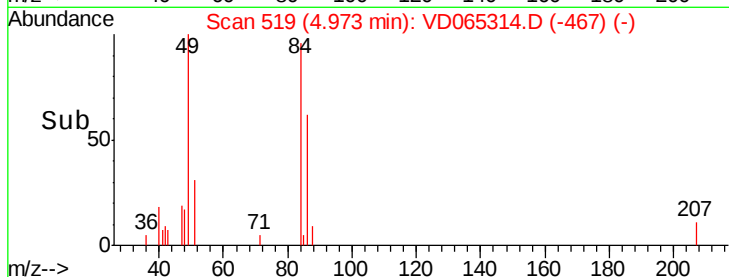
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 84 Resp: 9763
Ion Ratio Lower Upper
84 100
49 104.6 103.1 154.7
51 32.9 31.7 47.5
86 64.4 50.9 76.3

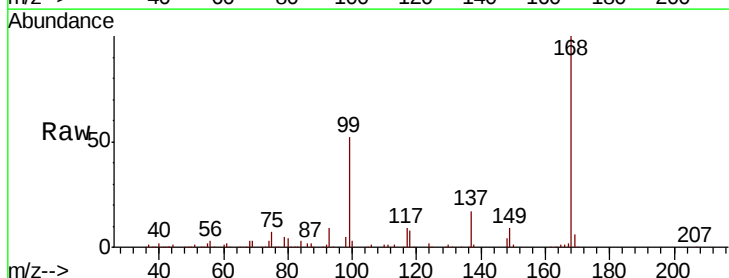


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

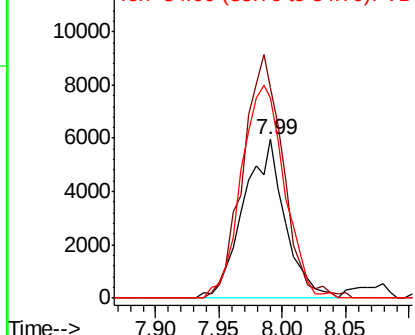
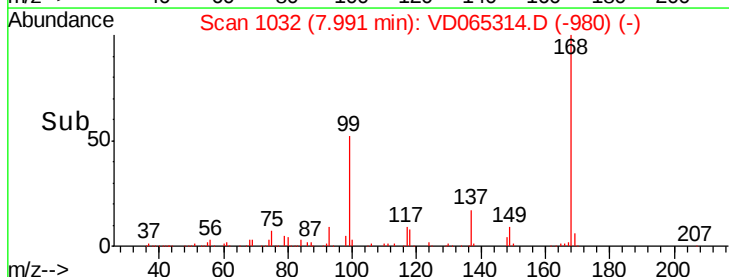


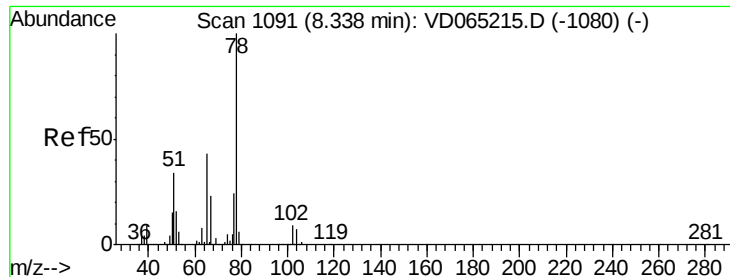
#31
Cyclohexane
Concen: 1.405 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

Tgt Ion: 56 Resp: 13478
Ion Ratio Lower Upper
56 100
69 132.2 27.4 41.0#
84 126.3 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: 58.030 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

Instrument :

MSVOA_D

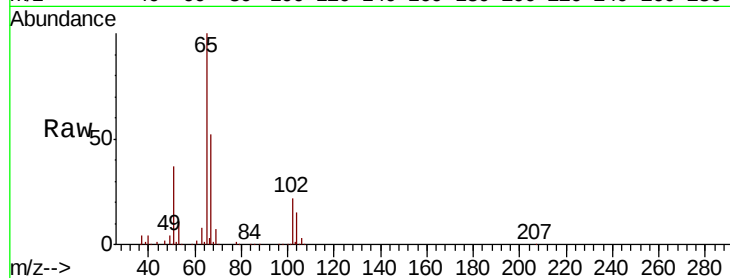
ClientSampleId :

Tot Ion: 65 Resp: 283166

Ion Ratio Lower Upper

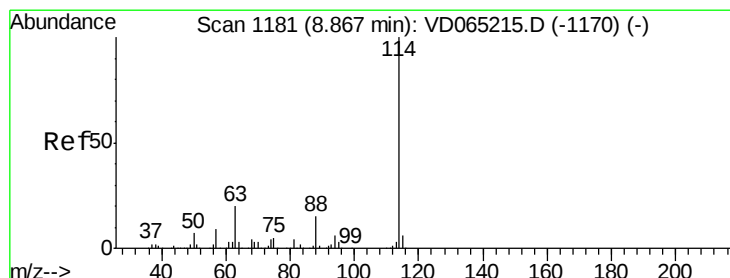
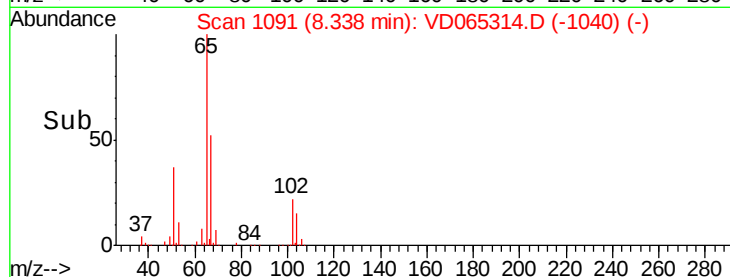
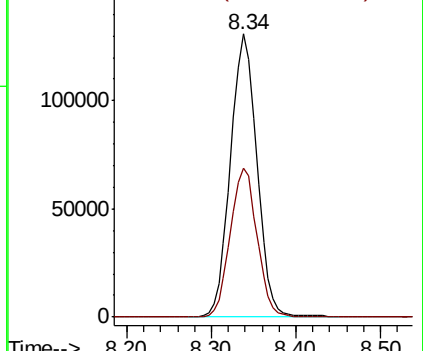
65 100

67 53.1 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# 1181

Delta R.T. 0.00 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

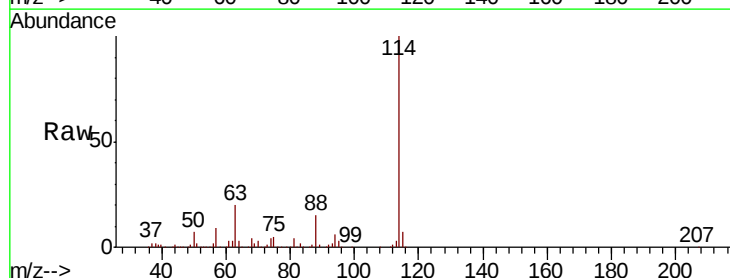
Tgt Ion: 114 Resp: 932877

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.4

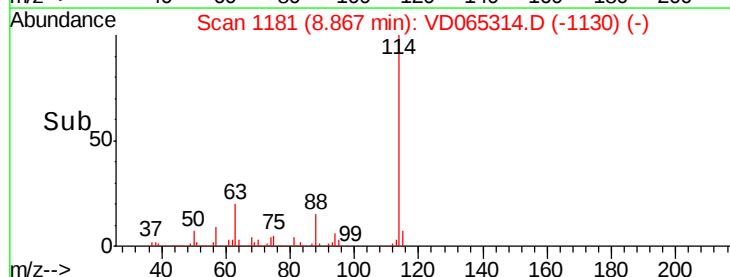
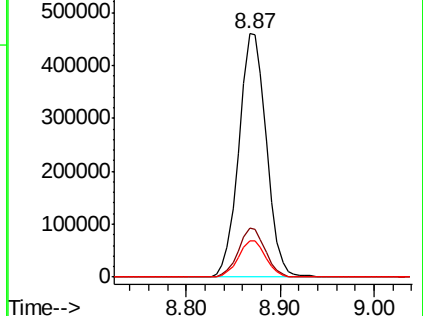
88 15.0 0.0 30.4

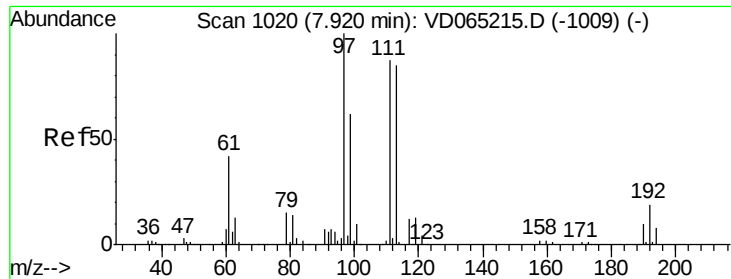


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

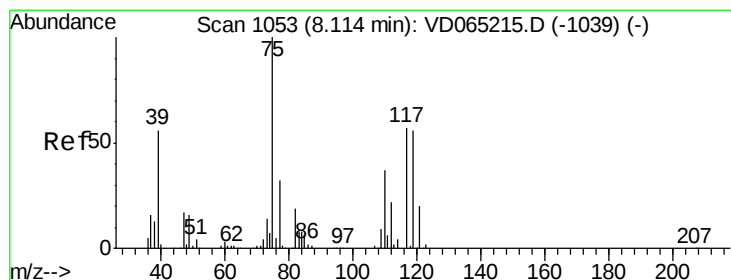
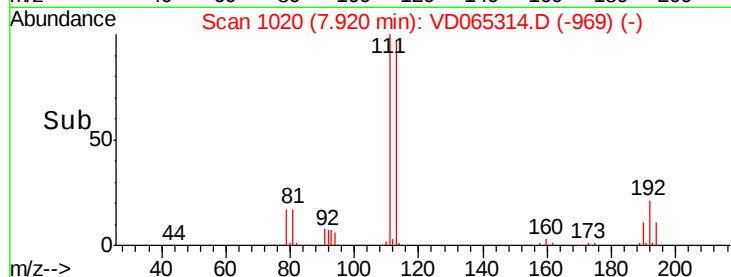
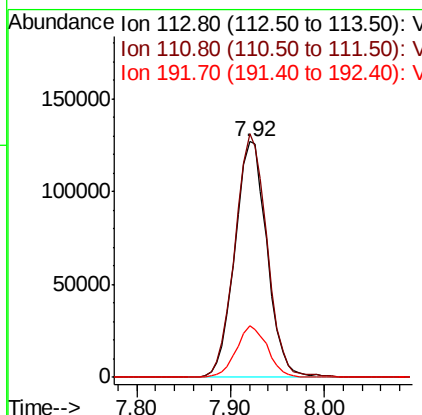
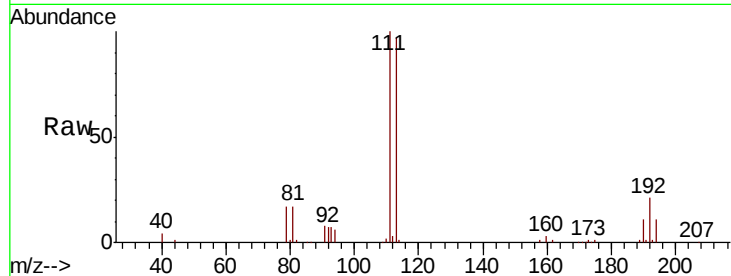




#35
 Dibromofluoromethane
 Concen: 52.947 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065314.D
 Acq: 25 Feb 2020 17:55

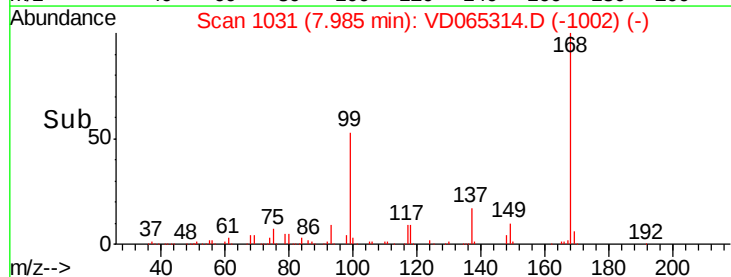
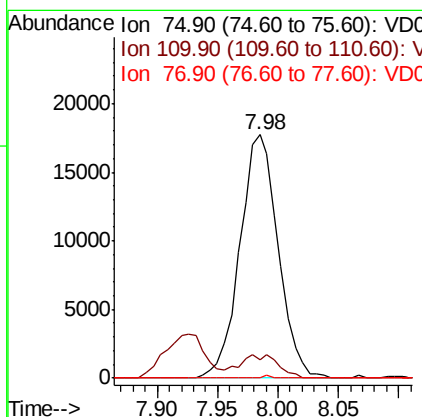
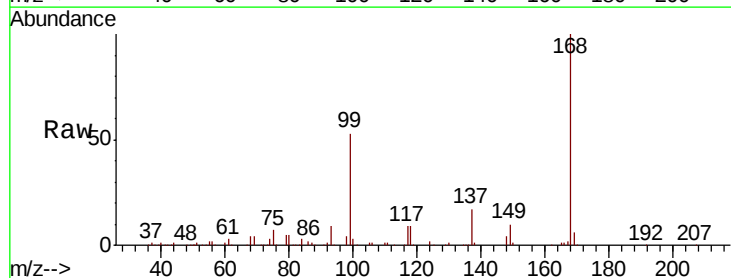
Instrument :
 MSVOA_D
 ClientSampleId :

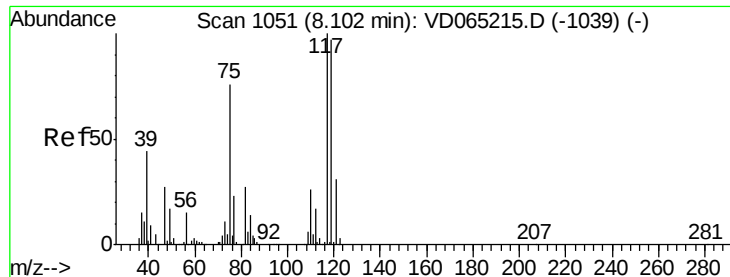
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	21.3	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.298 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065314.D
 Acq: 25 Feb 2020 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.9	53.7#
77	0.2	25.1	37.7#

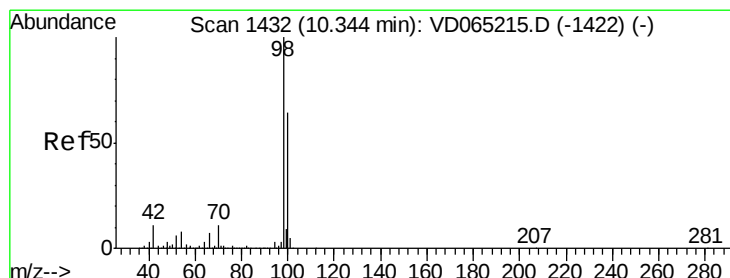
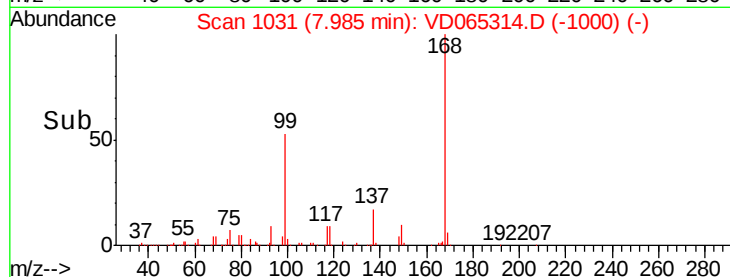
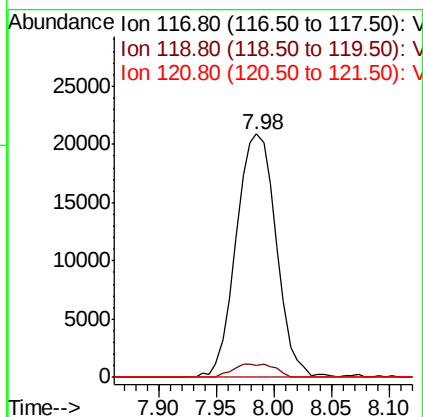
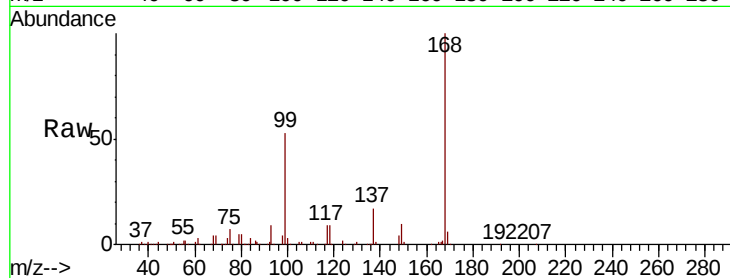




#38
Carbon Tetrachloride
Concen: 5.435 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

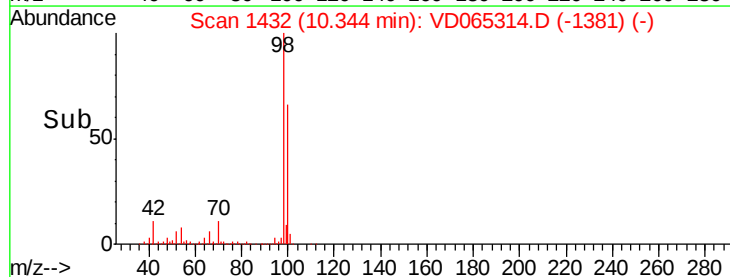
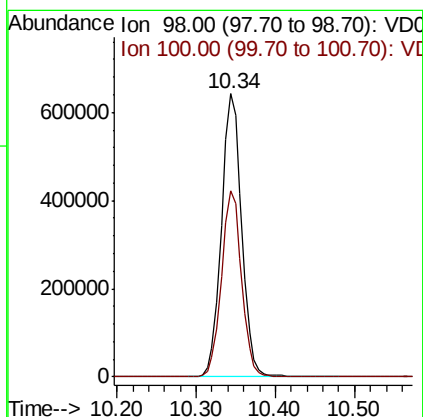
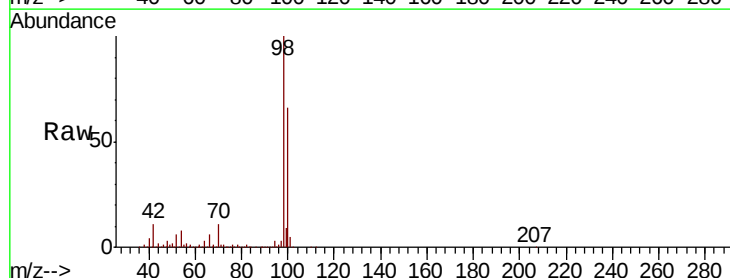
Instrument :
MSVOA_D
ClientSampled :

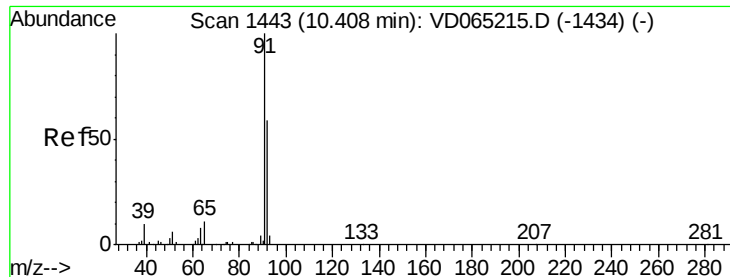
Tot Ion:117 Resp: 50222
Ion Ratio Lower Upper
117 100
119 4.9 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.095 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

Tgt Ion: 98 Resp: 1132811
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0





#52

Toluene

Concen: 4.532 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

Instrument :

MSVOA_D

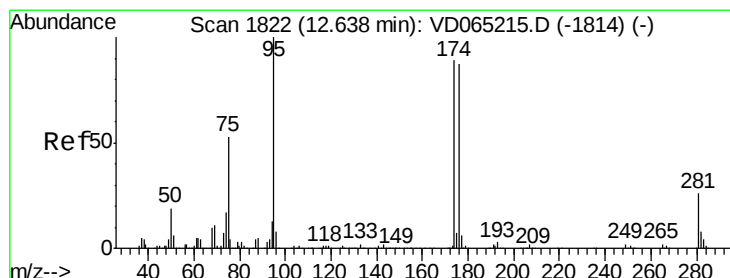
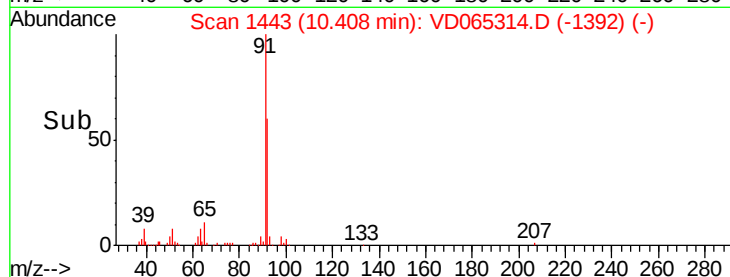
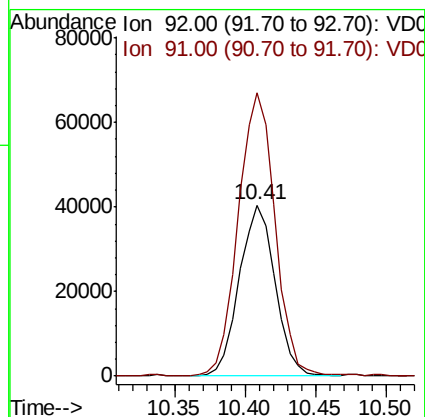
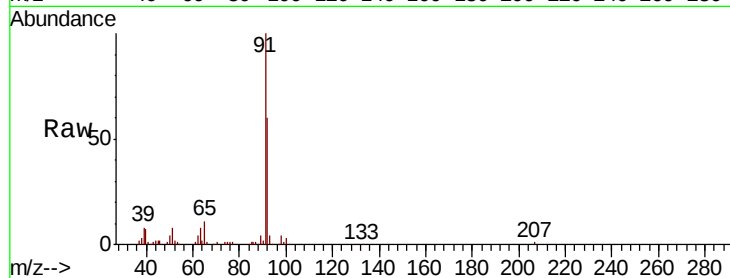
ClientSampleId :

Tot Ion: 92 Resp: 71864

Ion Ratio Lower Upper

92 100

91 170.8 136.3 204.5



#62

4-Bromofluorobenzene

Concen: 49.317 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

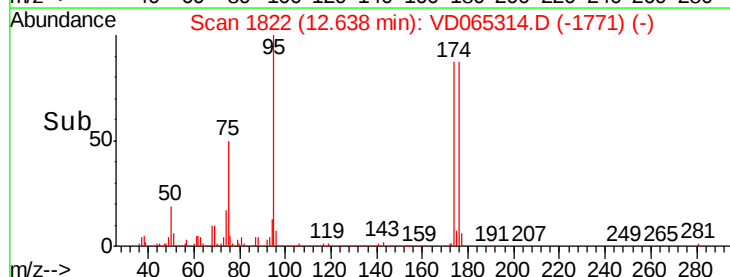
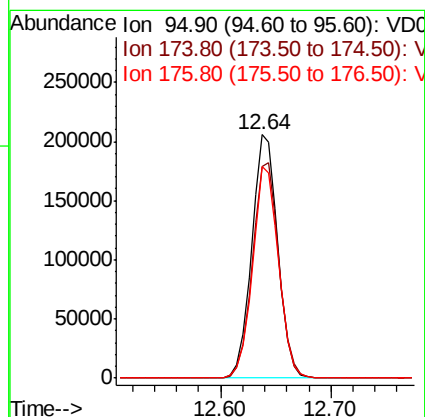
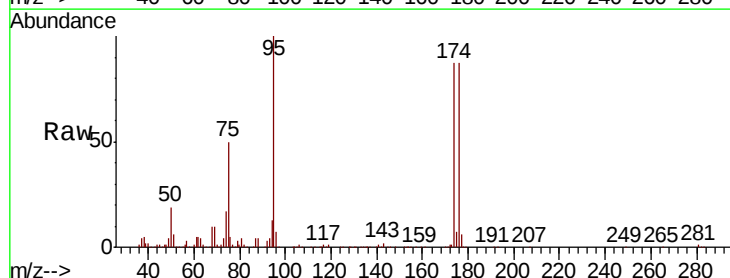
Tgt Ion: 95 Resp: 339729

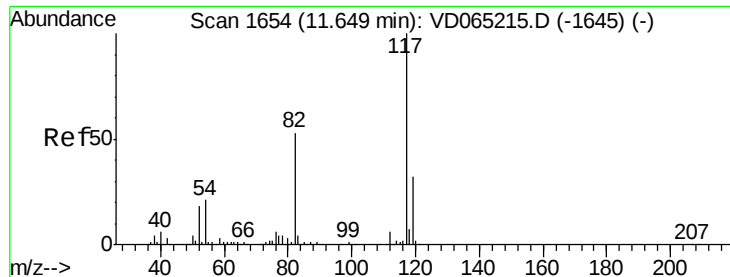
Ion Ratio Lower Upper

95 100

174 90.1 0.0 178.0

176 86.6 0.0 174.4

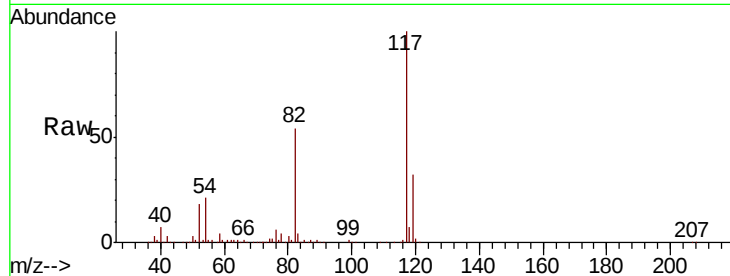




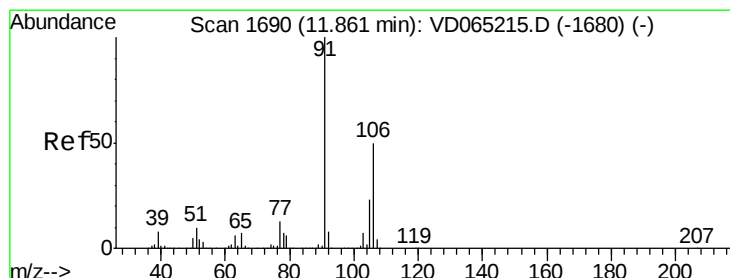
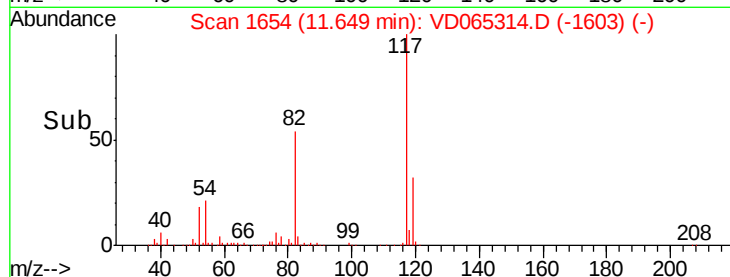
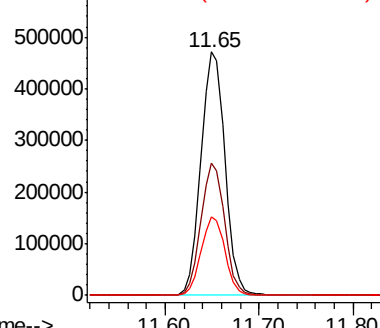
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 838379
Ion Ratio Lower Upper
117 100
82 54.4 42.7 64.1
119 32.5 25.5 38.3

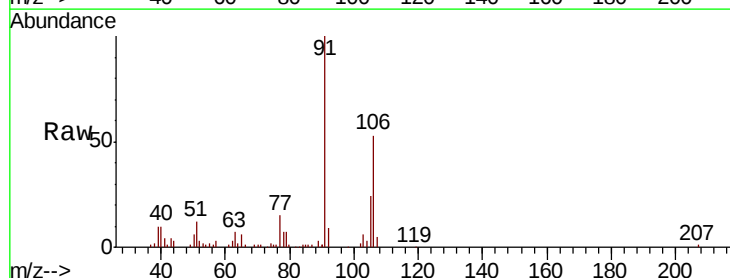


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

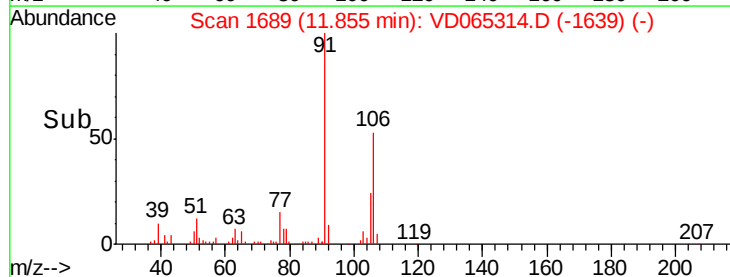
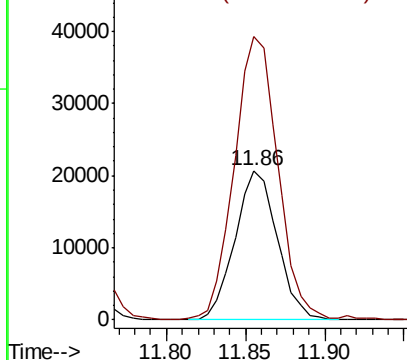


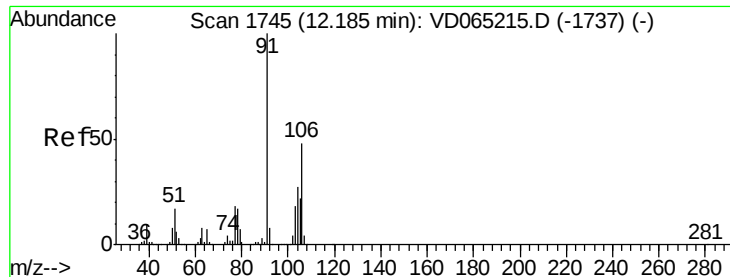
#68
m/p-Xylenes
Concen: 3.381 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

Tgt Ion:106 Resp: 38115
Ion Ratio Lower Upper
106 100
91 197.0 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

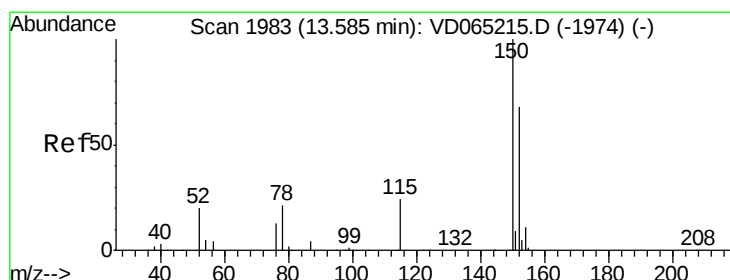
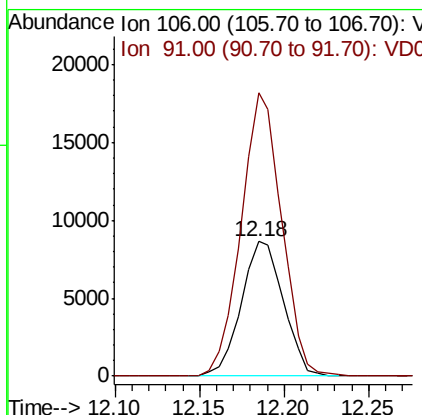
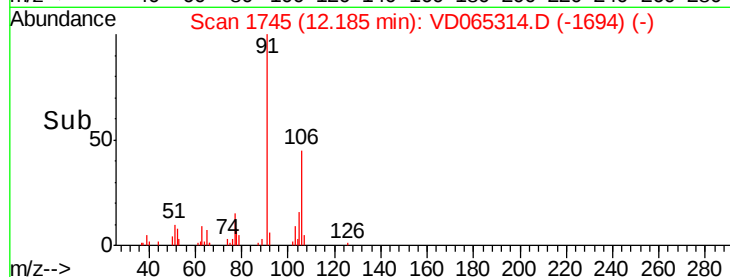
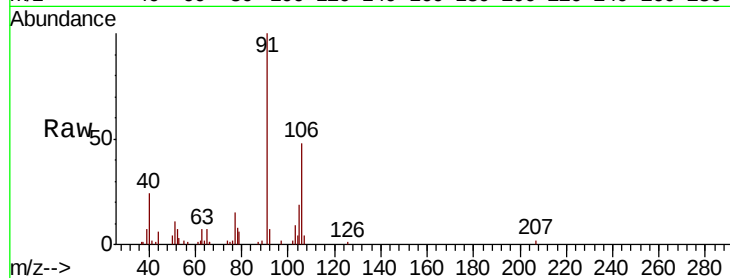




#69
o-Xylene
Concen: 1.498 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

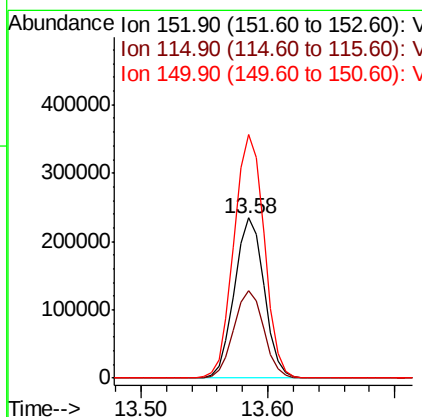
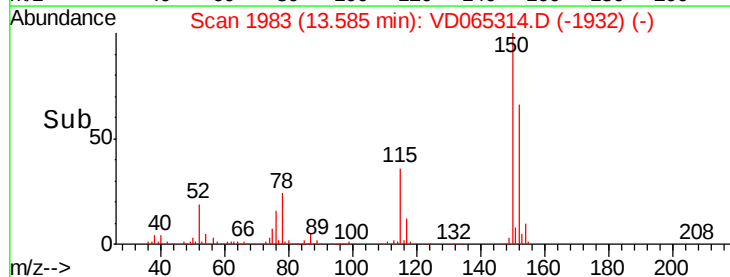
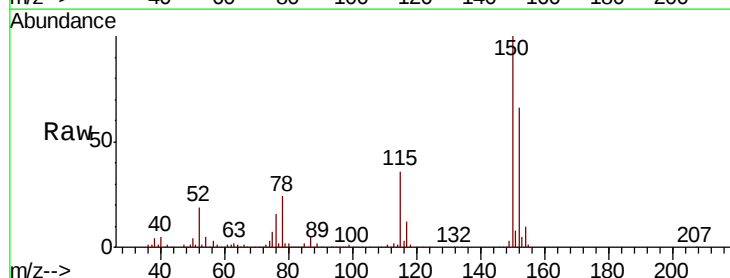
Instrument :
MSVOA_D
ClientSampleId :

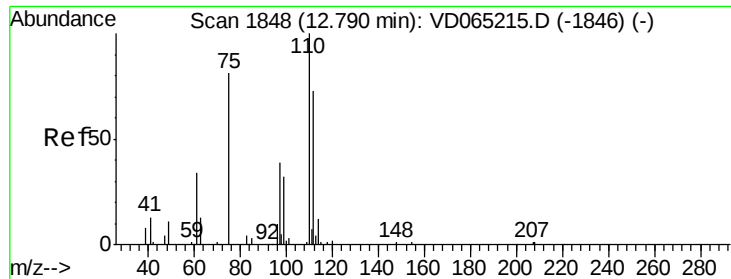
Tot Ion:106 Resp: 14959
Ion Ratio Lower Upper
106 100
91 203.1 104.7 313.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065314.D
Acq: 25 Feb 2020 17:55

Tgt Ion:152 Resp: 380683
Ion Ratio Lower Upper
152 100
115 54.7 27.6 82.8
150 154.7 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 51.227 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

Instrument :

MSVOA_D

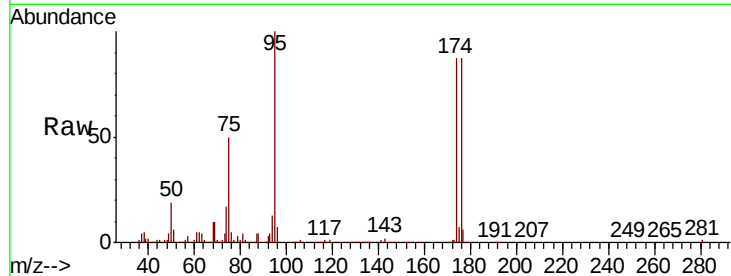
ClientSampled :

Tot Ion: 75 Resp: 165921

Ion Ratio Lower Upper

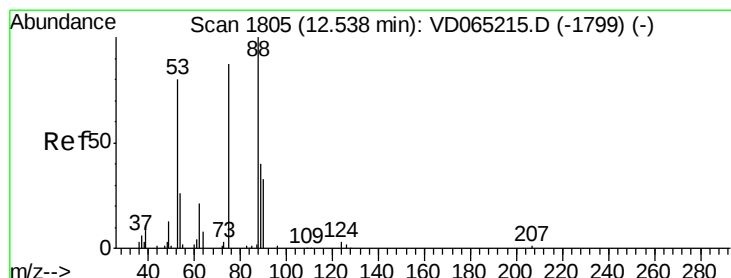
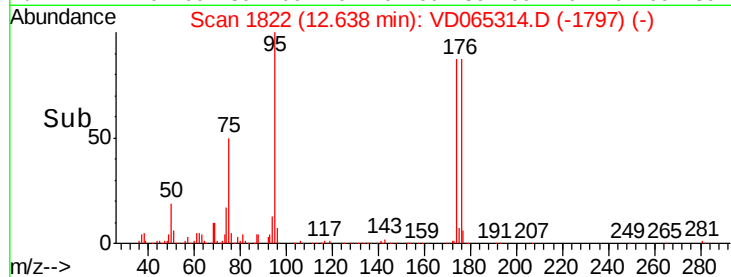
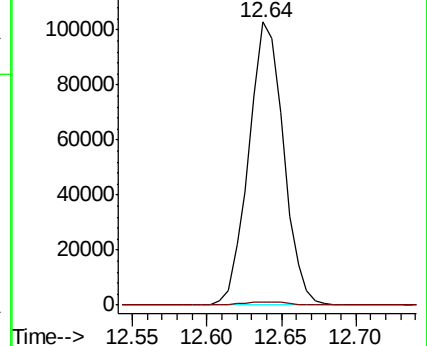
75 100

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: 110.607 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

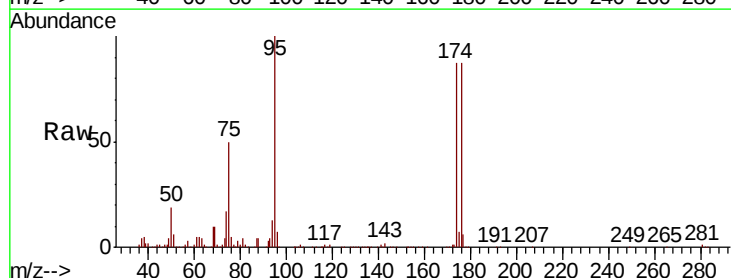
Tgt Ion: 75 Resp: 165921

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

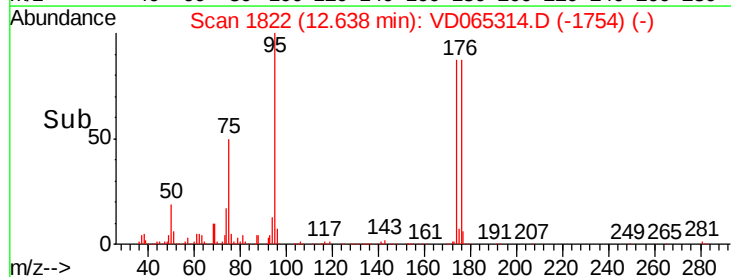
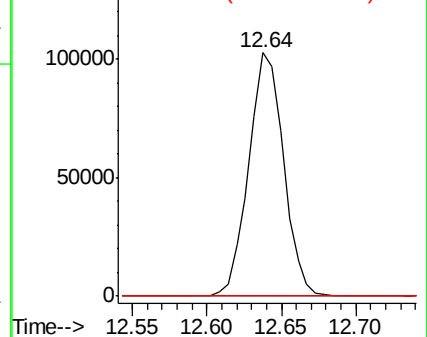
89 0.0 37.2 55.8#

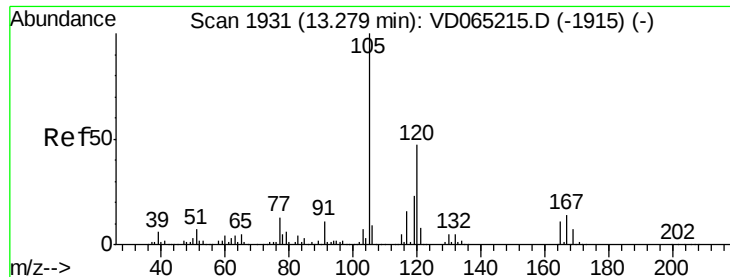


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#84

1,2,4-Trimethylbenzene

Concen: 1.157 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

Instrument :

MSVOA_D

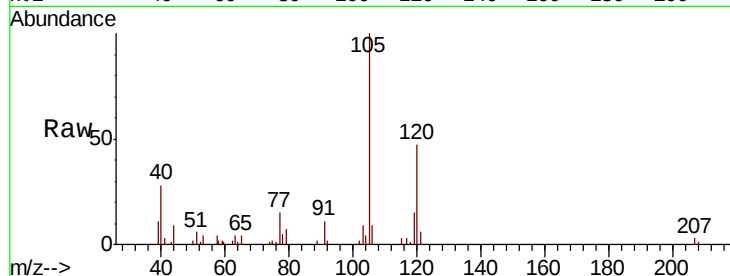
ClientSampleId :

Tot Ion:105 Resp: 24029

Ion Ratio Lower Upper

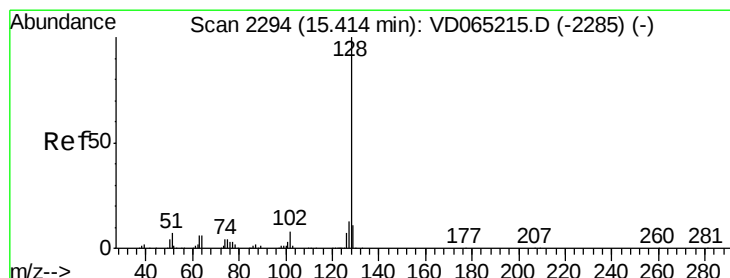
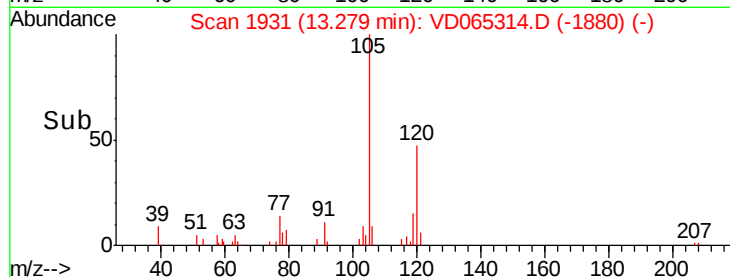
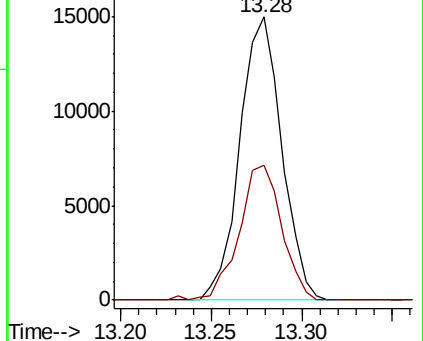
105 100

120 48.3 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 1.895 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065314.D

Acq: 25 Feb 2020 17:55

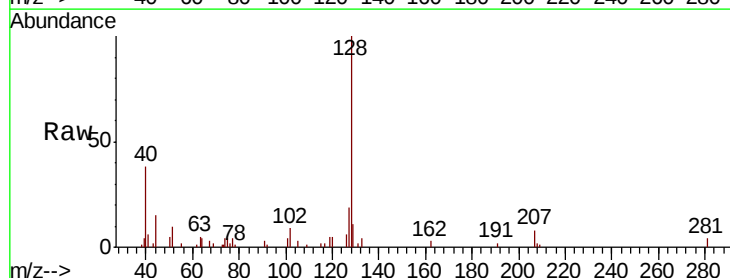
Tgt Ion:128 Resp: 20937

Ion Ratio Lower Upper

128 100

127 14.2 10.3 15.5

129 13.4 8.8 13.2#



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

