

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065330.D
 Acq On : 26 Feb 2020 16:15
 Operator : VA/SY
 Sample : L1676-05
 Misc : 5.09G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 27 08:02:56 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

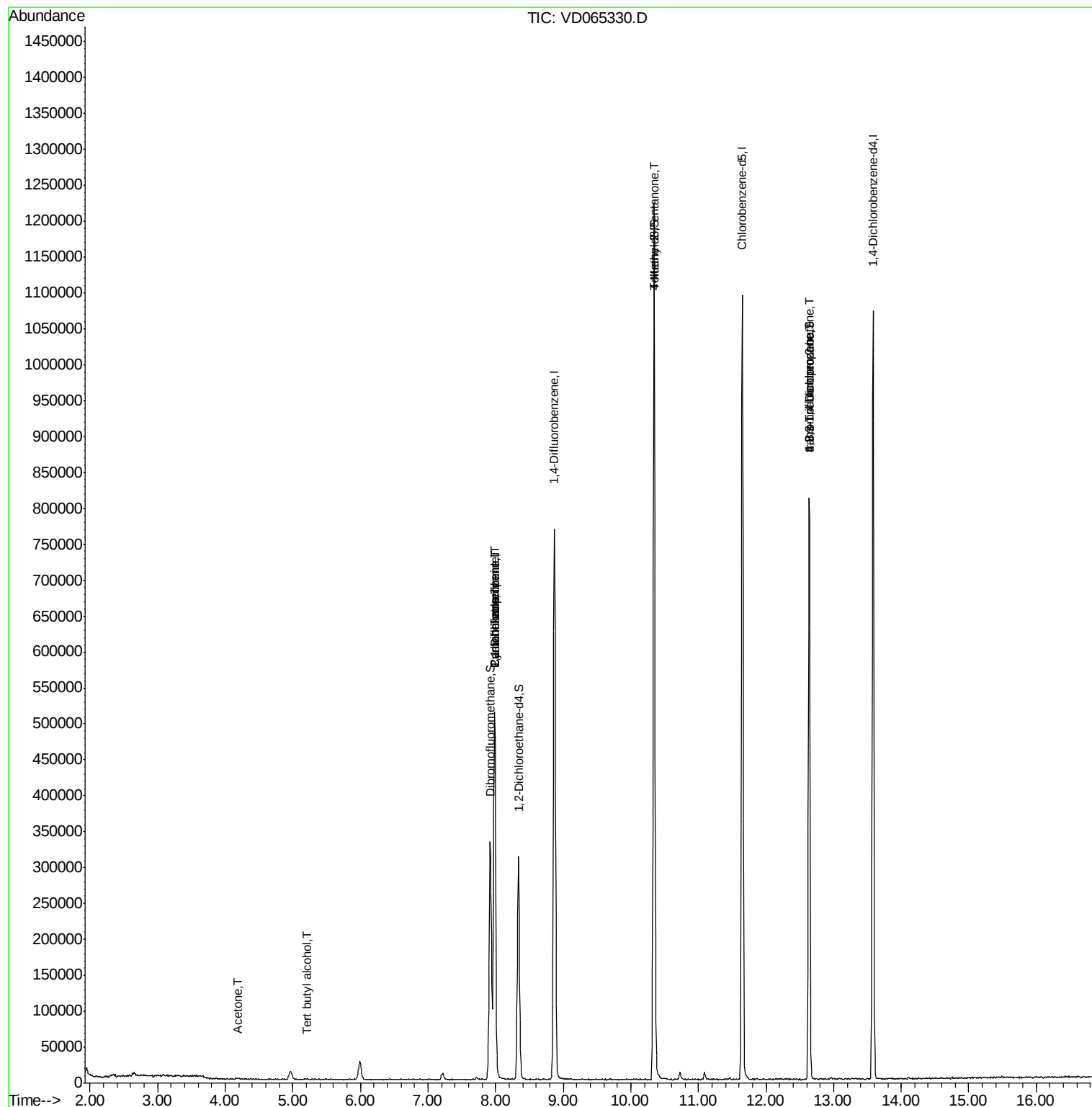
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	400939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679188	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	651127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295045	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	243803	67.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.18%	
35) Dibromofluoromethane	7.92	113	239039	57.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.44%	
50) Toluene-d8	10.34	98	835338	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.64	95	260373	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.21	59	294	1.364	ug/l #	72
16) Acetone	4.18	43	2708	3.071	ug/l	91
20) Methylene Chloride	4.97	84	8621	Below Cal	#	97
31) Cyclohexane	7.98	56	7665	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	28337	4.288	ug/l #	49
38) Carbon Tetrachloride	7.98	117	36324	5.399	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	3197	1.253	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	127808	50.913	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127808	109.930	ug/l #	11

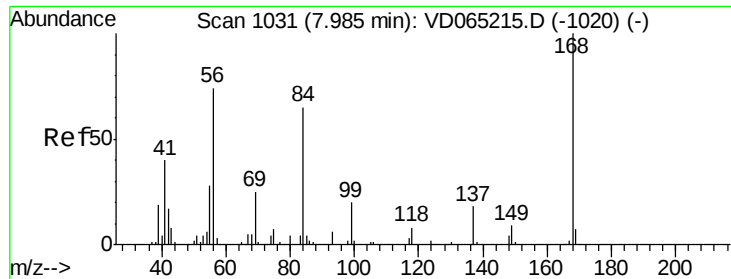
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

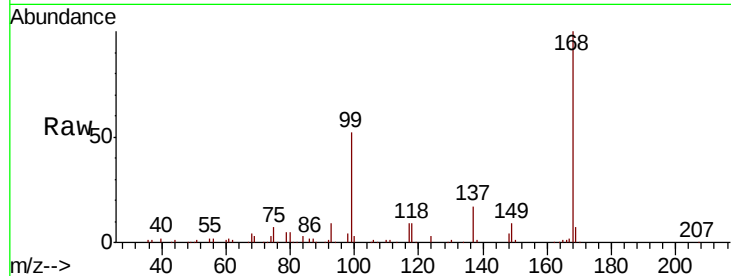
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 400939

Ion Ratio Lower Upper

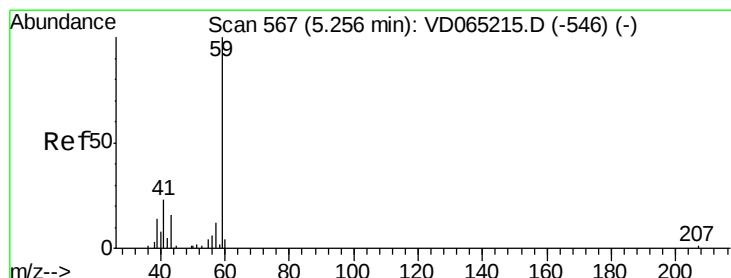
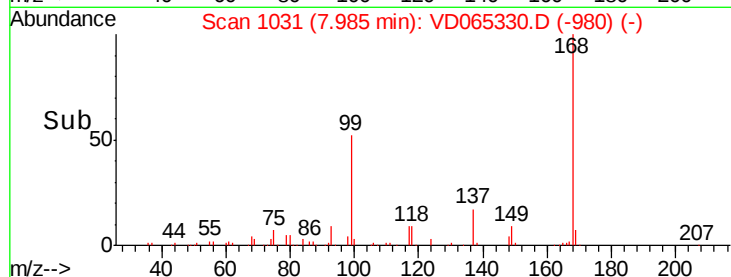
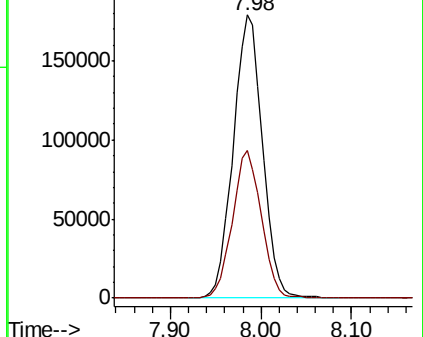
168 100

99 52.1 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.364 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.05 min

Lab File: VD065330.D

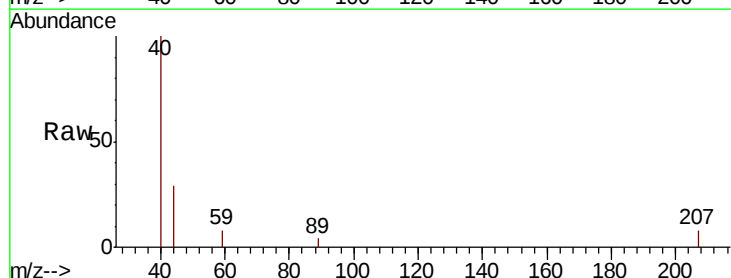
Acq: 26 Feb 2020 16:15

Tgt Ion: 59 Resp: 294

Ion Ratio Lower Upper

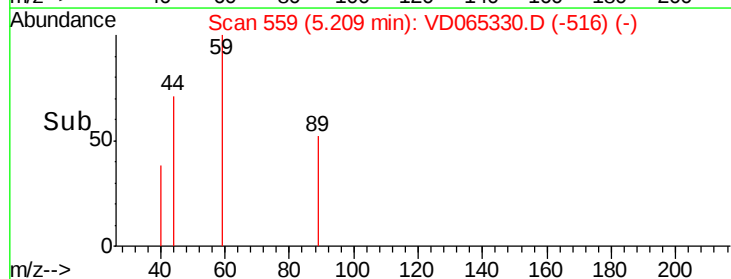
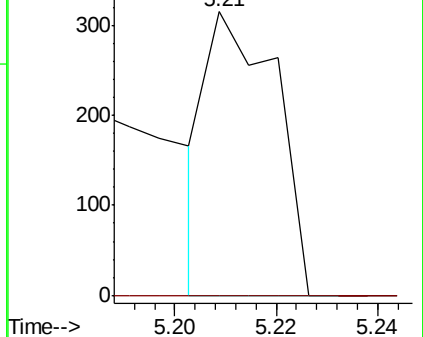
59 100

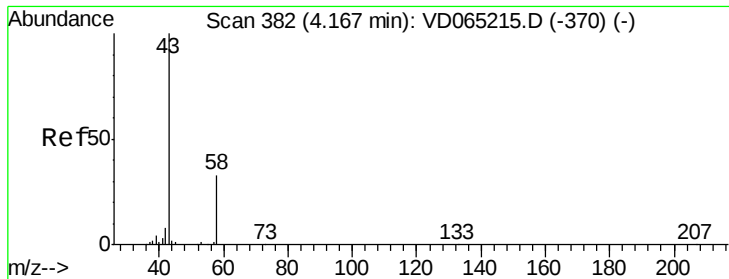
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 3.071 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

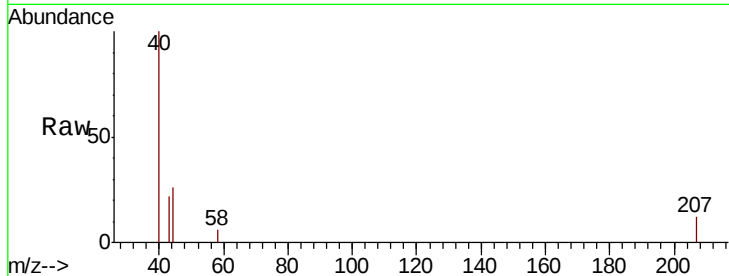
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2708

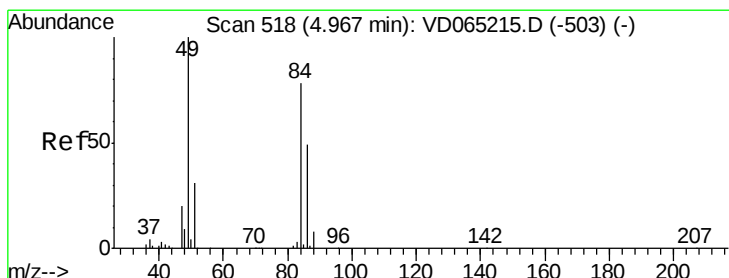
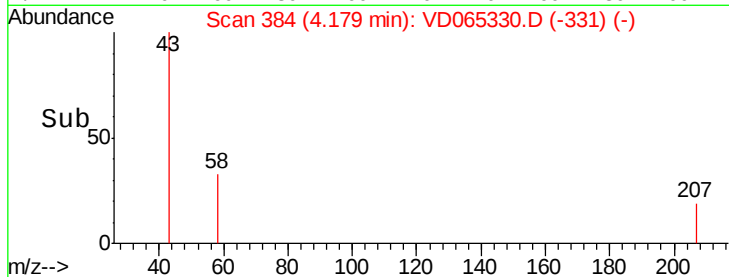
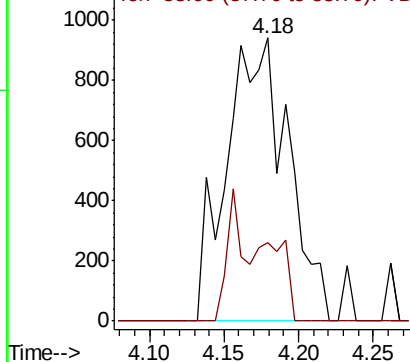
Ion Ratio Lower Upper

43 100

58 27.6 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

Tgt Ion: 84 Resp: 8621

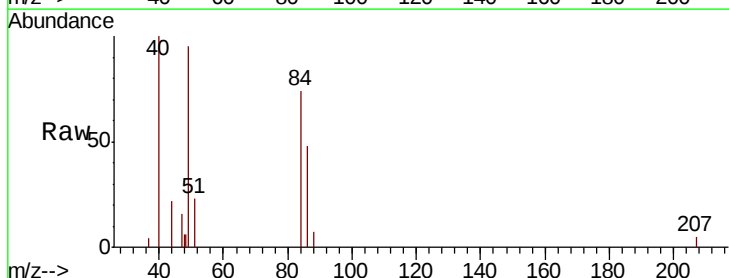
Ion Ratio Lower Upper

84 100

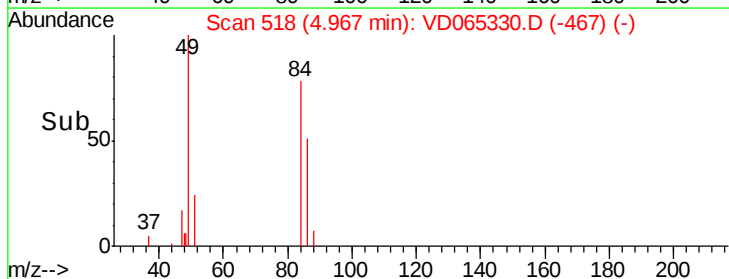
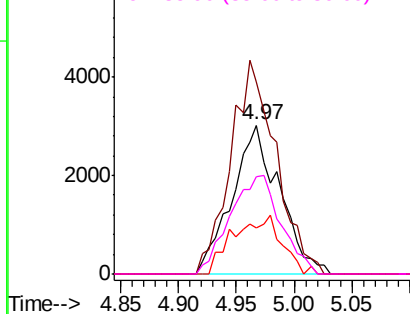
49 128.5 103.1 154.7

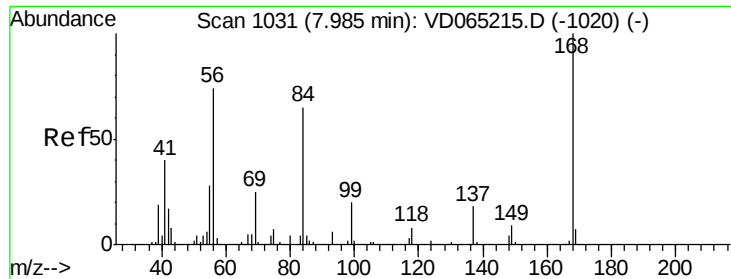
51 30.9 31.7 47.5#

86 64.9 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

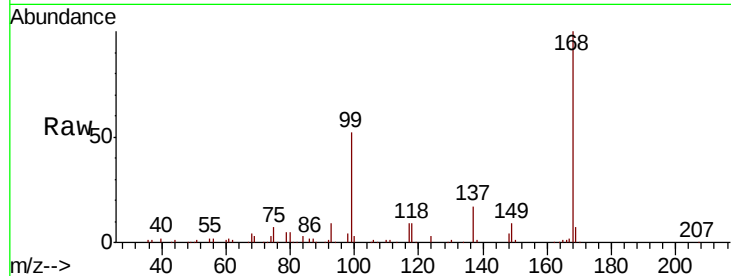




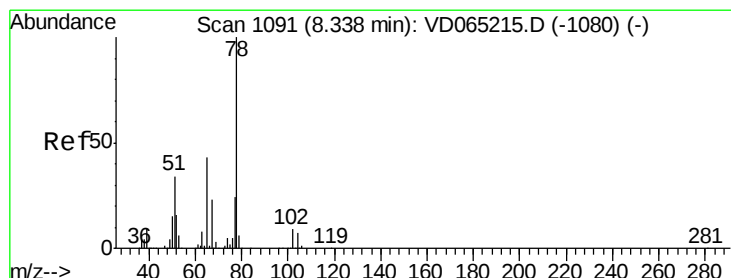
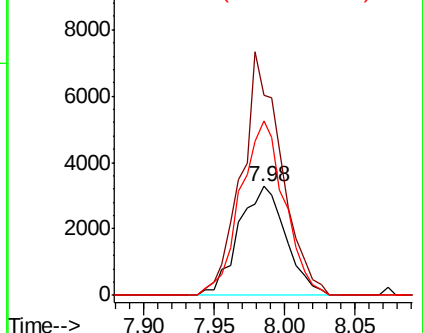
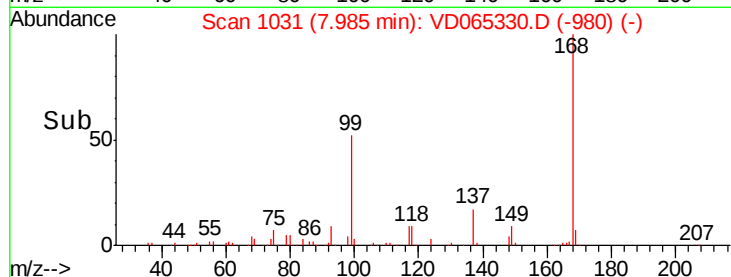
#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065330.D
Acq: 26 Feb 2020 16:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 7665
Ion Ratio Lower Upper
56 100
69 183.7 27.4 41.0#
84 160.1 71.1 106.7#

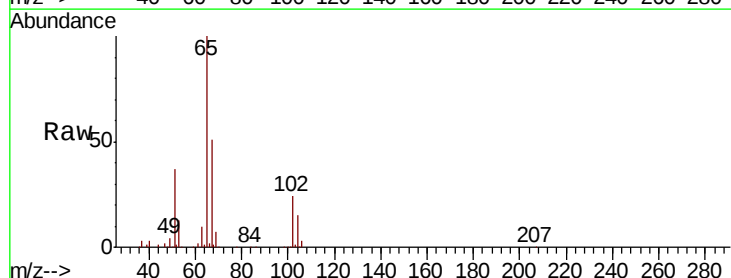


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

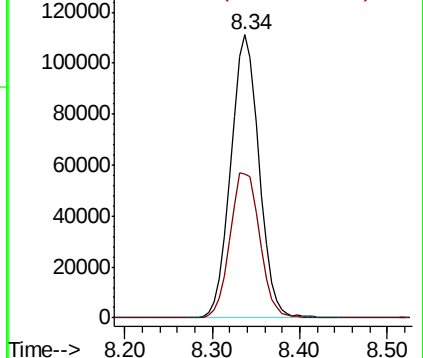
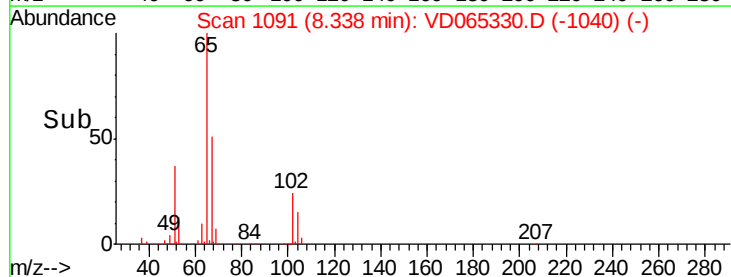


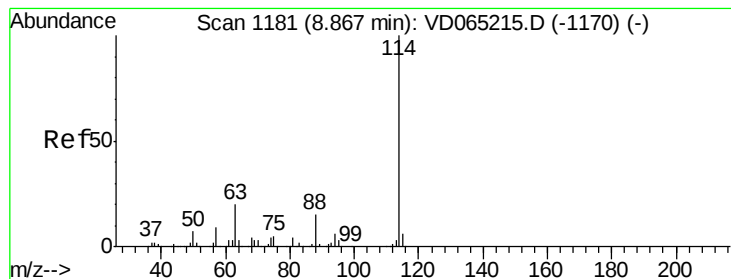
#33
1,2-Dichloroethane-d4
Concen: 67.594 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065330.D
Acq: 26 Feb 2020 16:15

Tgt Ion: 65 Resp: 243803
Ion Ratio Lower Upper
65 100
67 54.0 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: VD065330.D

Acq: 26 Feb 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

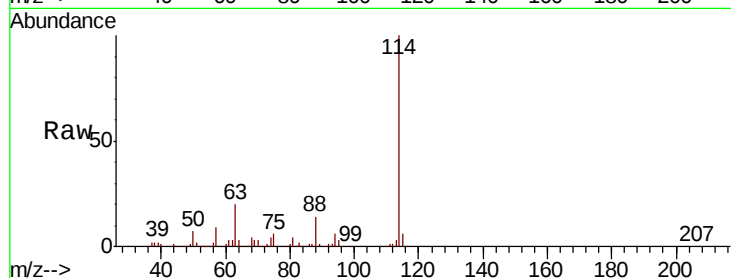
Tot Ion:114 Resp: 679188

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

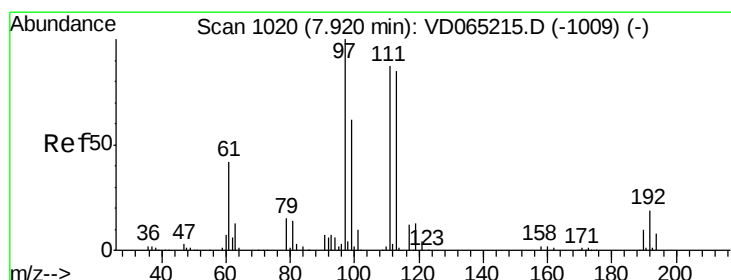
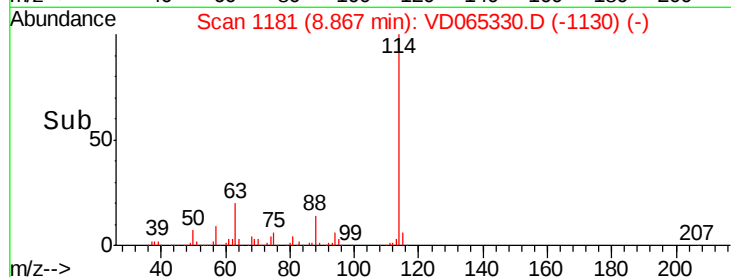
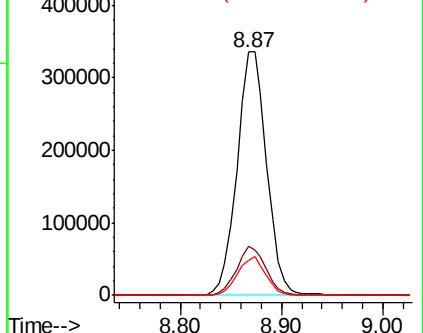
88 14.4 0.0 30.4



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: 57.721 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

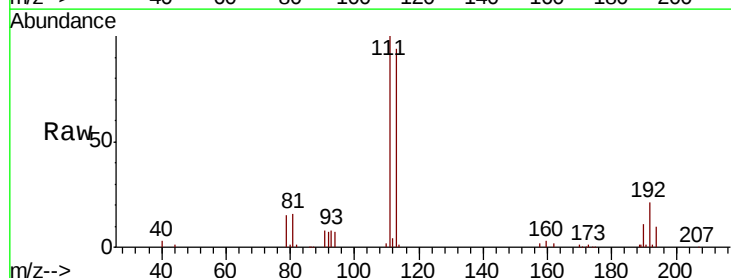
Tgt Ion:113 Resp: 239039

Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

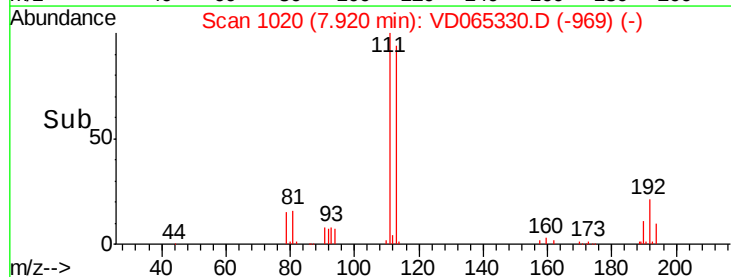
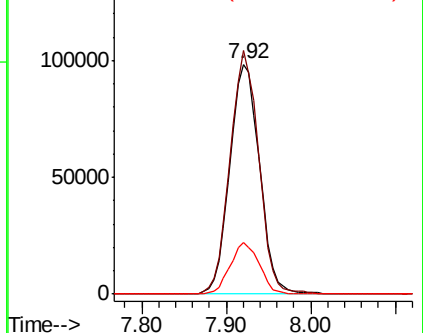
192 22.0 17.3 25.9

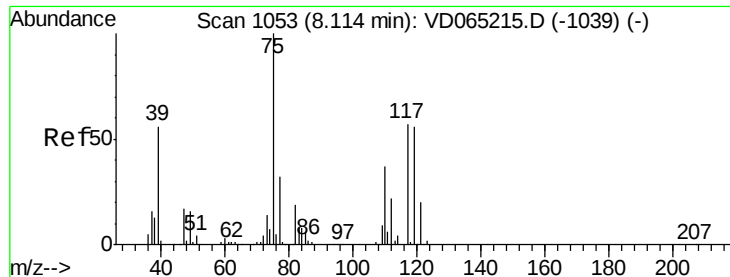


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.288 ug/l

RT: 7.98 min Scan# 1031

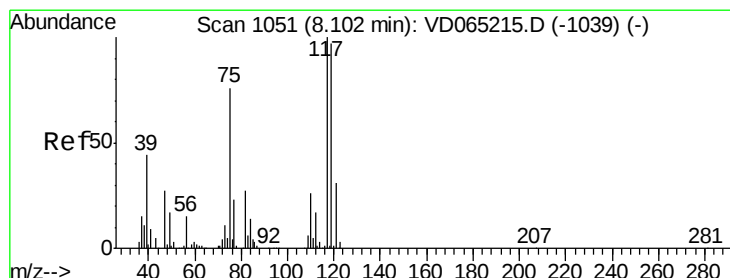
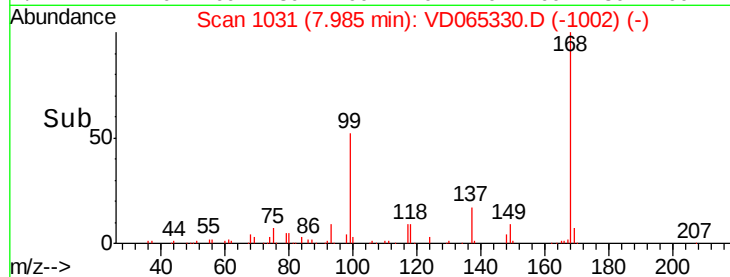
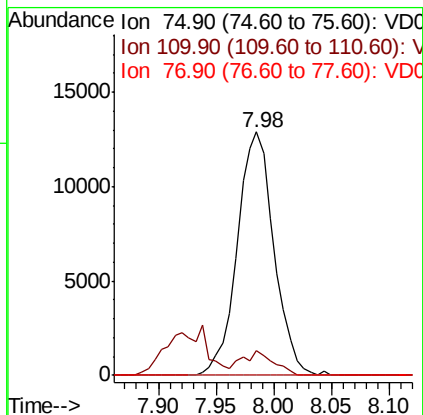
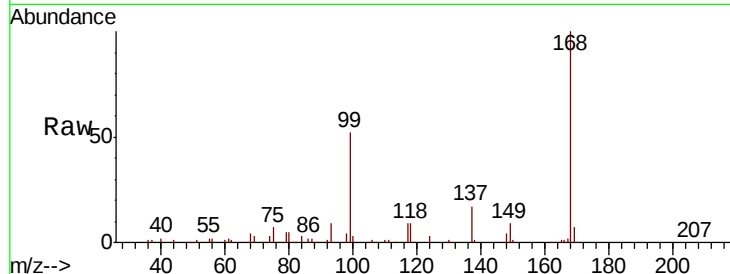
Delta R.T. -0.13 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	28337
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.9	53.7#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.399 ug/l

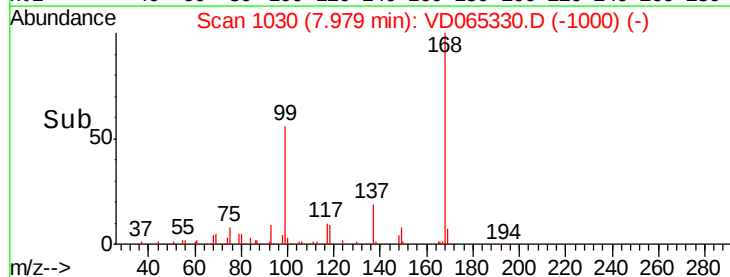
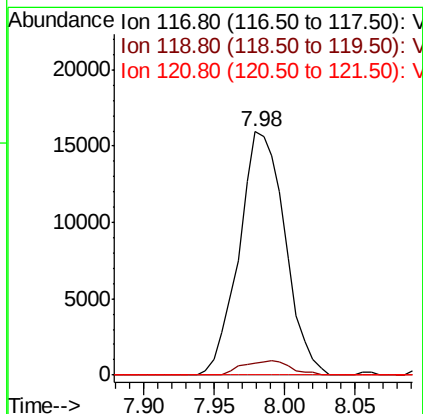
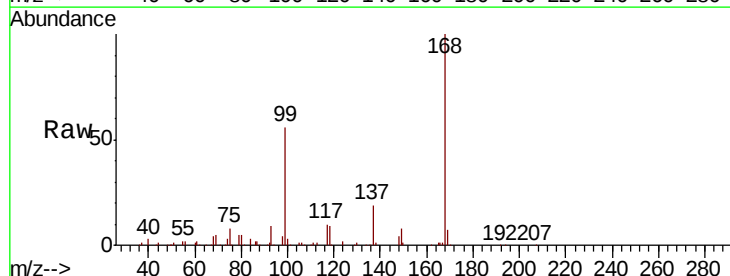
RT: 7.98 min Scan# 1030

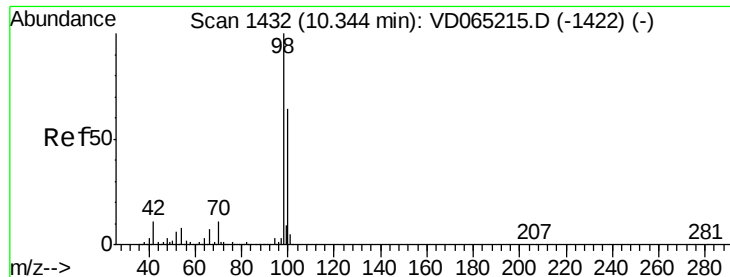
Delta R.T. -0.12 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

Tgt Ion:	117	Resp:	36324
Ion	Ratio	Lower	Upper
117	100		
119	4.7	77.6	116.4#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 52.763 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

Instrument :

MSVOA_D

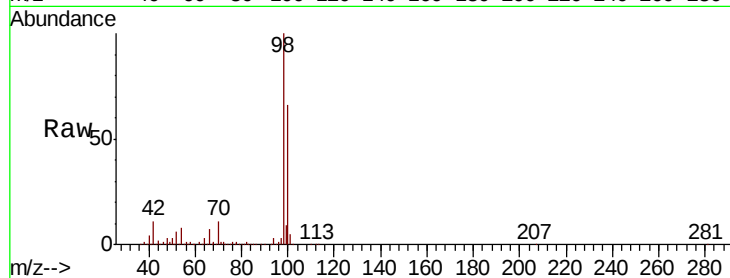
ClientSampleId :

Tot Ion: 98 Resp: 835338

Ion Ratio Lower Upper

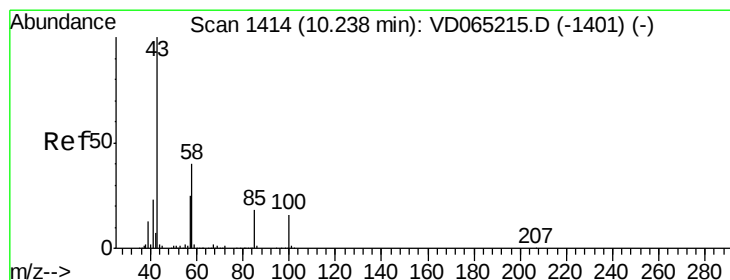
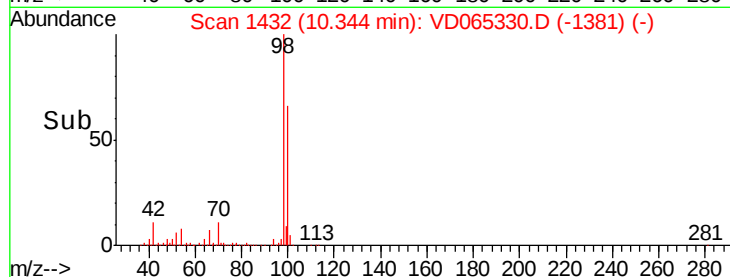
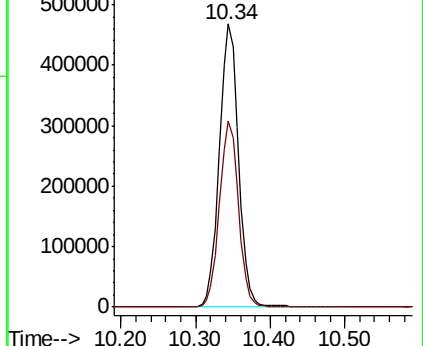
98 100

100 65.3 52.0 78.0



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: 1.253 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065330.D

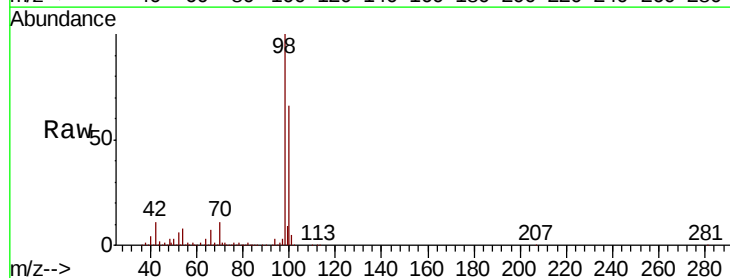
Acq: 26 Feb 2020 16:15

Tgt Ion: 43 Resp: 3197

Ion Ratio Lower Upper

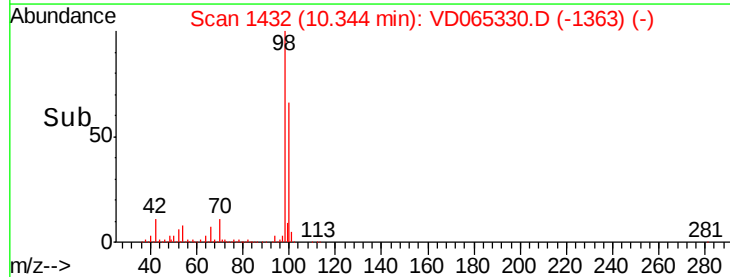
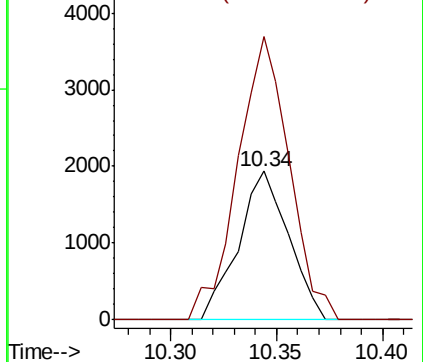
43 100

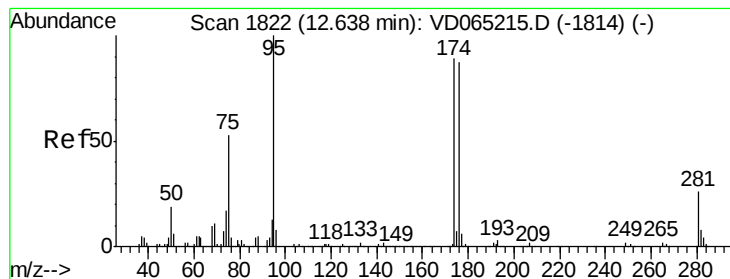
58 195.3 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 51.915 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

Instrument :

MSVOA_D

ClientSampled :

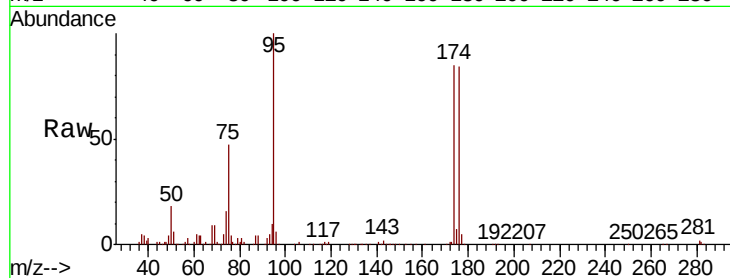
Tot Ion: 95 Resp: 260373

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.0

176 85.5 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

200000

150000

100000

50000

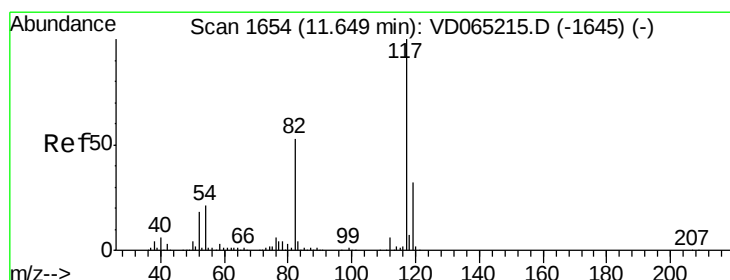
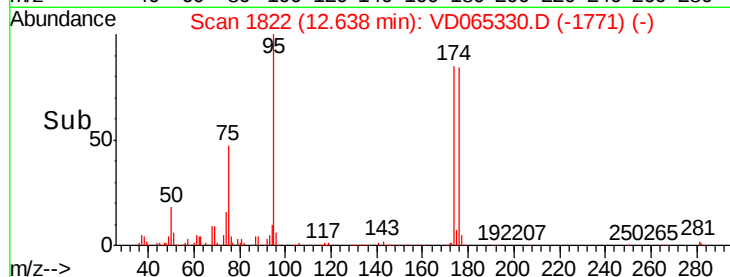
0

12.64

12.60

12.70

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

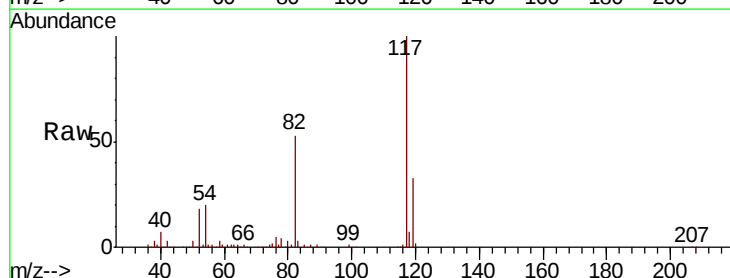
Tgt Ion: 117 Resp: 651127

Ion Ratio Lower Upper

117 100

82 53.1 42.7 64.1

119 32.9 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

500000

400000

300000

200000

100000

0

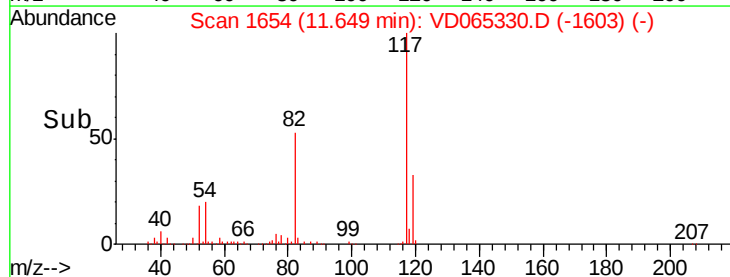
11.65

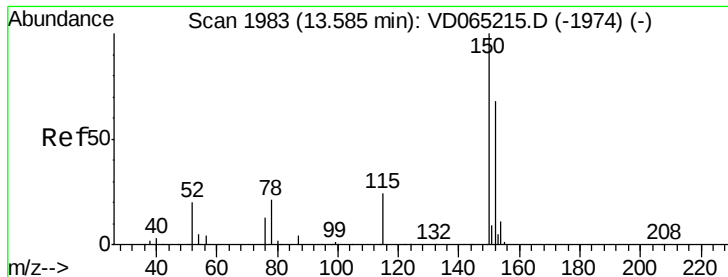
11.60

11.70

11.80

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

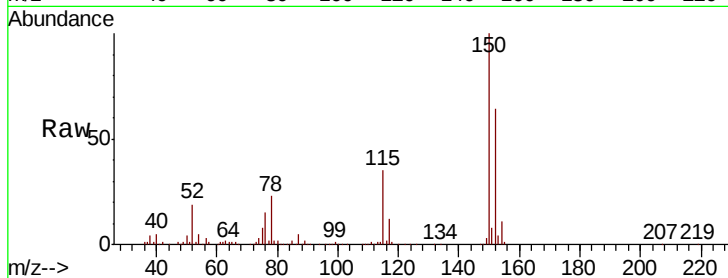
Tot Ion:152 Resp: 295045

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.8

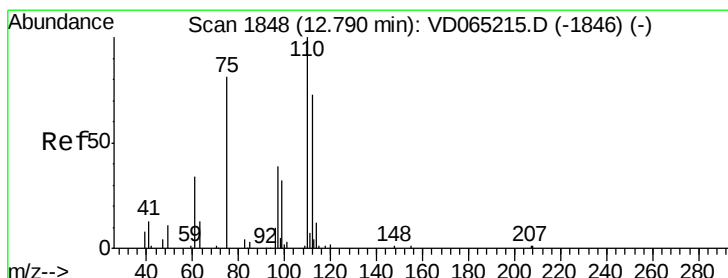
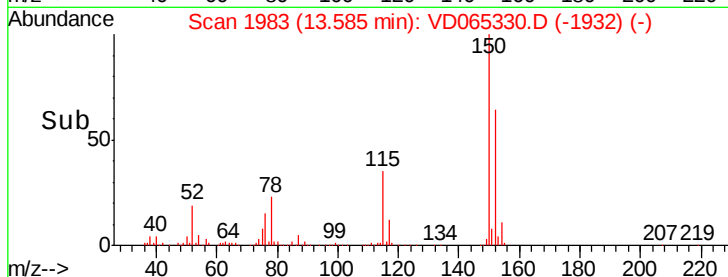
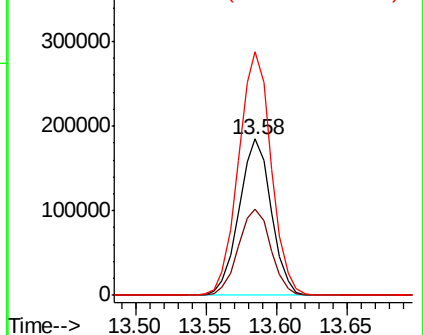
150 158.0 0.0 347.4



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



#76

1,2,3-Trichloropropane

Concen: 50.913 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065330.D

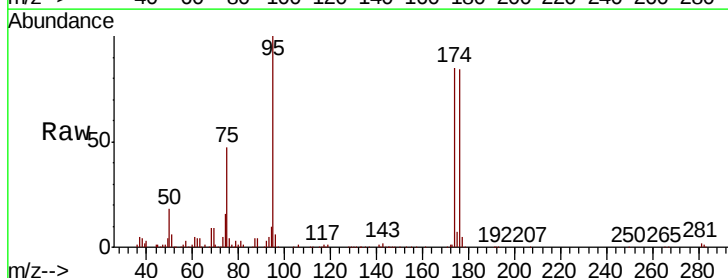
Acq: 26 Feb 2020 16:15

Tgt Ion: 75 Resp: 127808

Ion Ratio Lower Upper

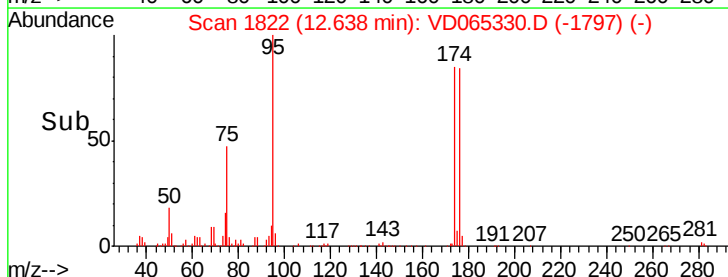
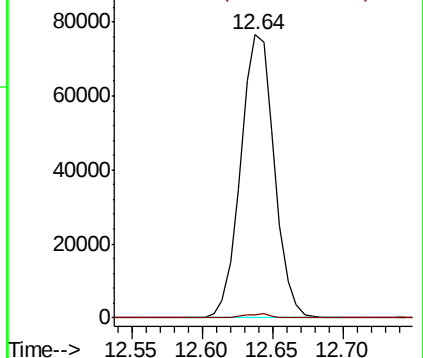
75 100

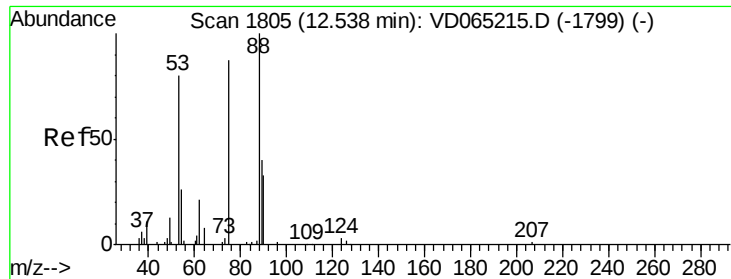
77 1.1 0.0 0.0#



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: 109.930 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065330.D

Acq: 26 Feb 2020 16:15

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 127808

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.0 37.2 55.8#

