

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065780.D
 Acq On : 08 Jun 2020 15:03
 Operator : VA/SY
 Sample : L2815-01
 Misc : 8.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 06:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

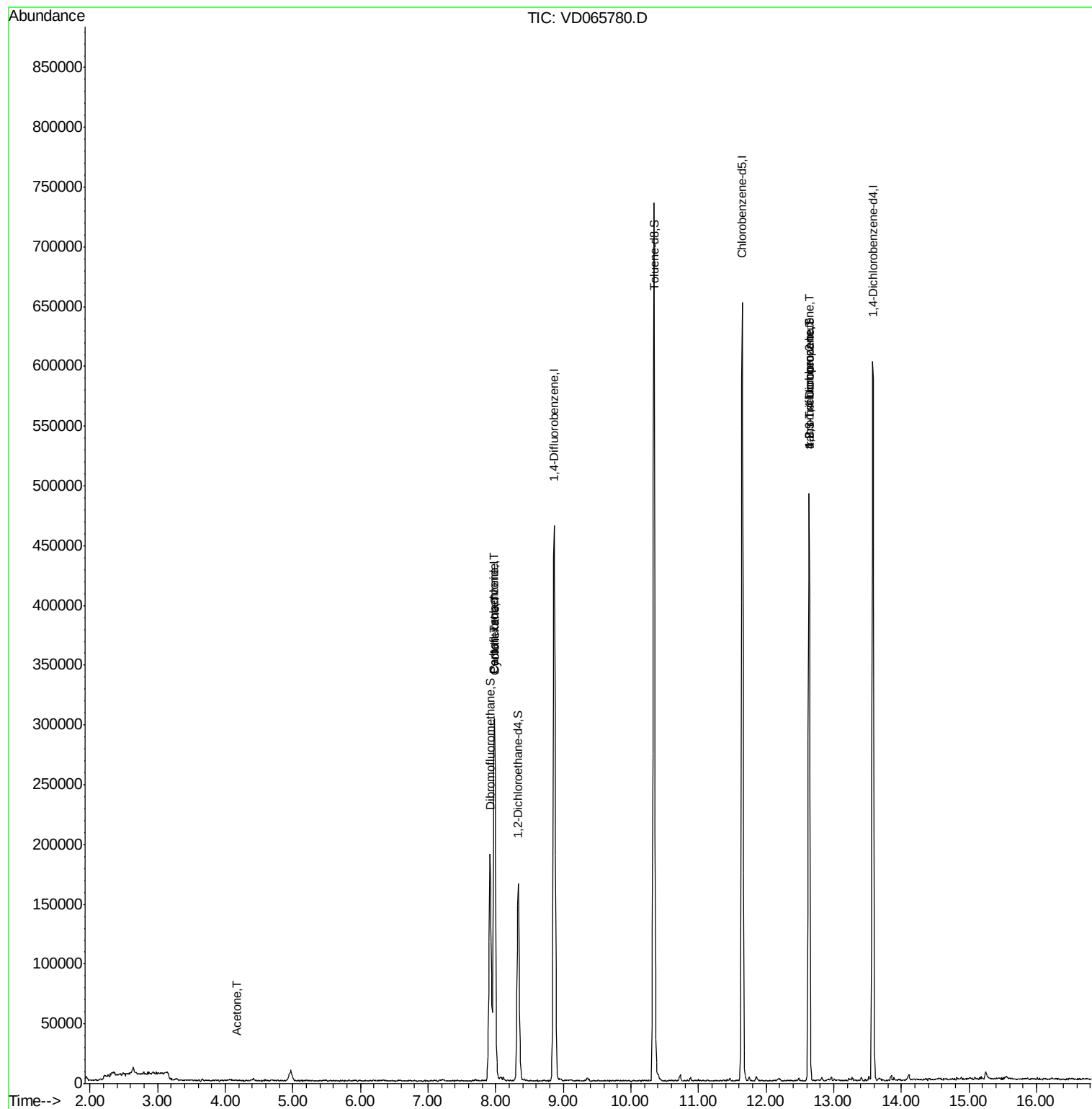
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	228109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	394993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	352939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152534	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	133691	59.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.62%	
35) Dibromofluoromethane	7.92	113	131246	52.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.20%	
50) Toluene-d8	10.34	98	493444	53.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.08%	
62) 4-Bromofluorobenzene	12.64	95	150170	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
Target Compounds						
2) Dichlorodifluoromethane	1.99	85	310	Below Cal	#	42
3) Chloromethane	2.21	50	764	Below Cal	#	69
16) Acetone	4.16	43	795	1.870	ug/l #	47
18) Methyl Acetate	4.77	43	59	Below Cal	#	52
20) Methylene Chloride	4.97	84	6497	Below Cal	#	92
31) Cyclohexane	7.99	56	6161	1.524	ug/l #	59
38) Carbon Tetrachloride	7.98	117	23105	5.802	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	83802	70.643	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	83802	152.632	ug/l #	9

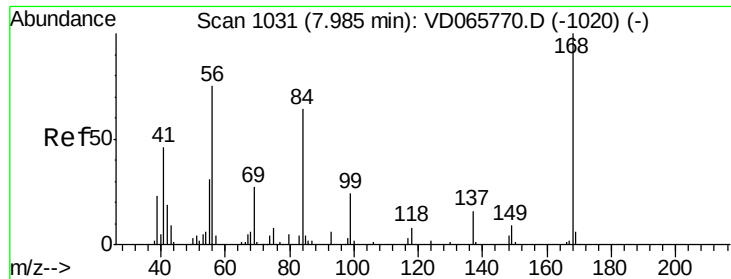
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 05 13:07:30 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: VD065780.D

Acq: 08 Jun 2020 15:03

Instrument :

MSVOA_D

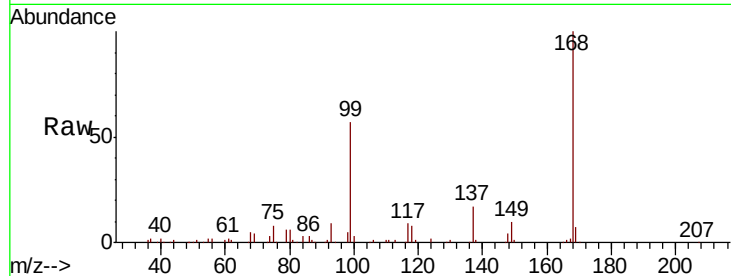
ClientSampled :

Tot Ion:168 Resp: 228109

Ion Ratio Lower Upper

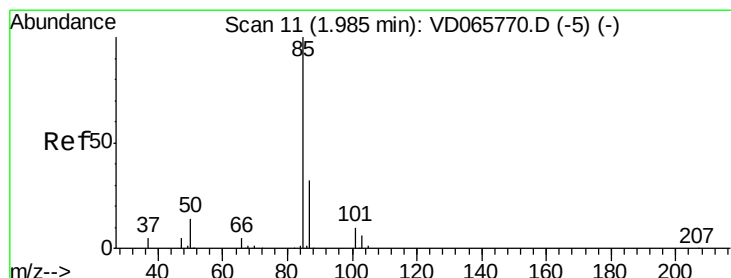
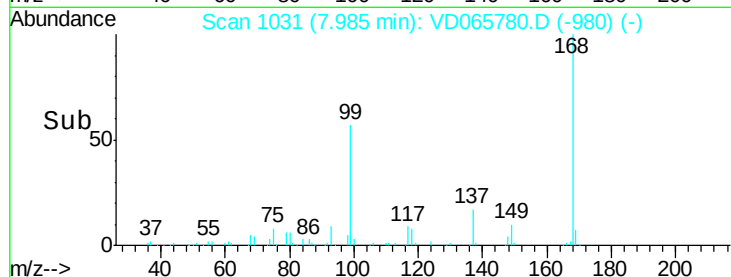
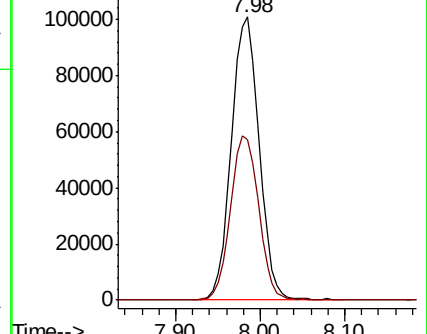
168 100

99 56.9 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065780.D

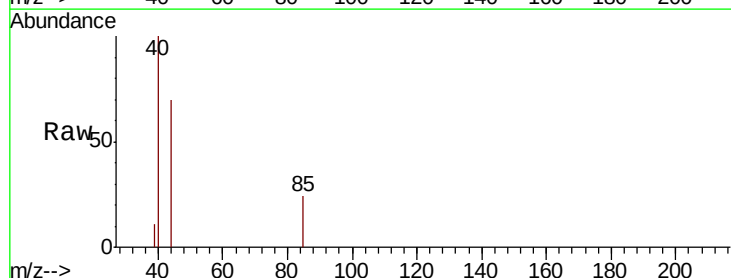
Acq: 08 Jun 2020 15:03

Tgt Ion: 85 Resp: 310

Ion Ratio Lower Upper

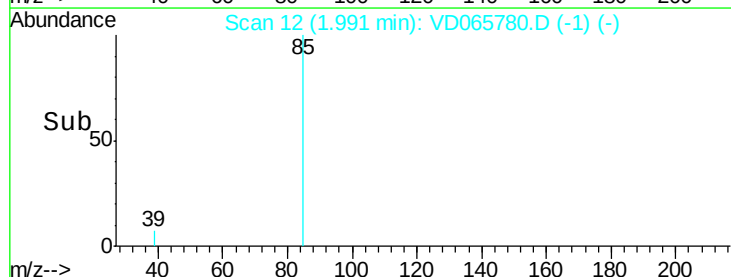
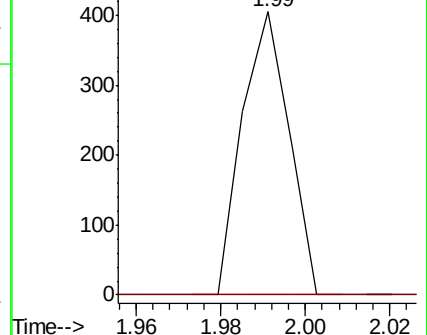
85 100

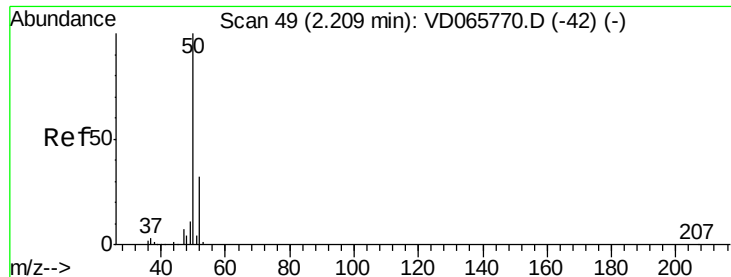
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065780.D

Acq: 08 Jun 2020 15:03

Instrument :

MSVOA_D

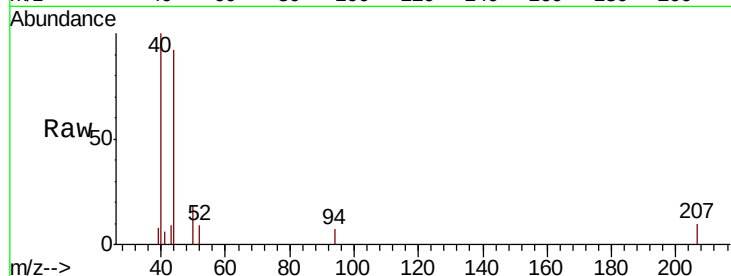
ClientSampled :

Tot Ion: 50 Resp: 764

Ion Ratio Lower Upper

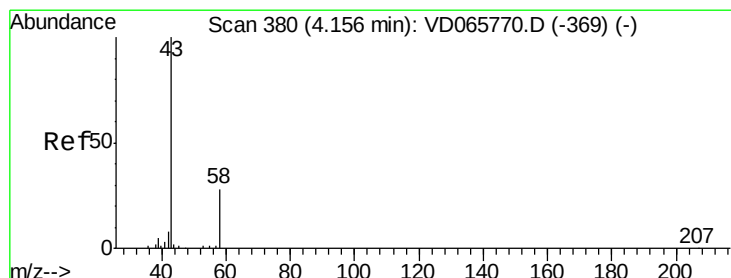
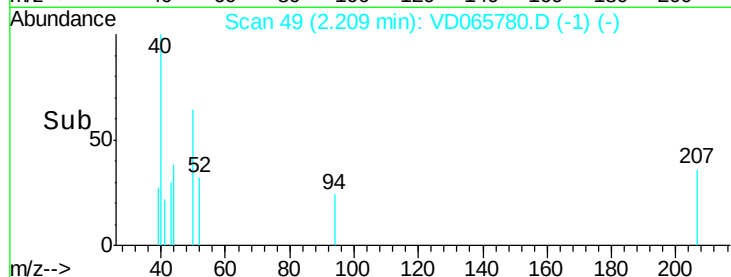
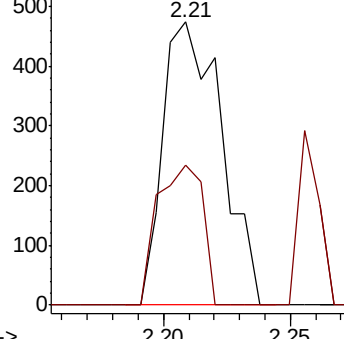
50 100

52 49.5 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#16

Acetone

Concen: 1.870 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065780.D

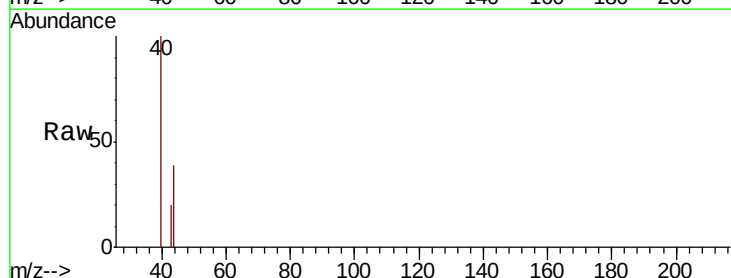
Acq: 08 Jun 2020 15:03

Tgt Ion: 43 Resp: 795

Ion Ratio Lower Upper

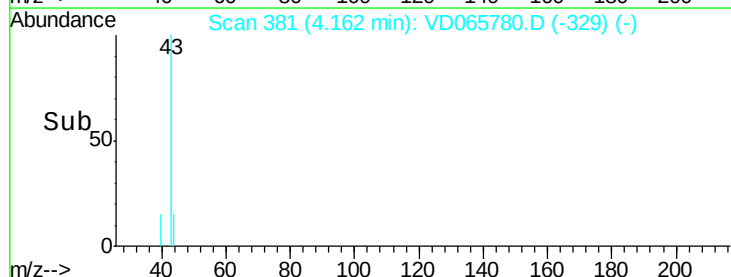
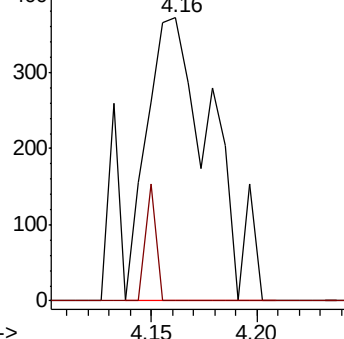
43 100

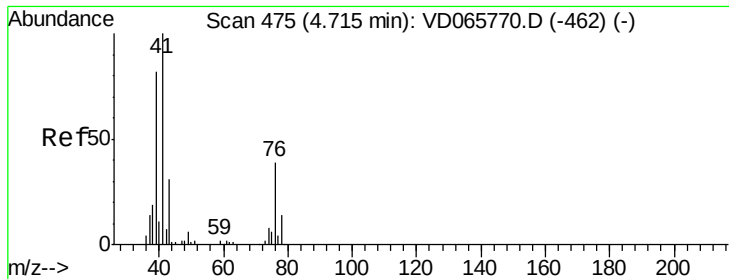
58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

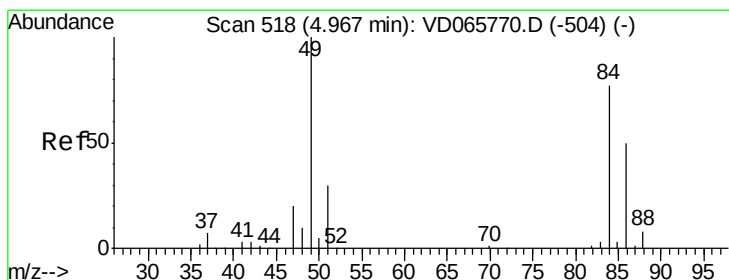
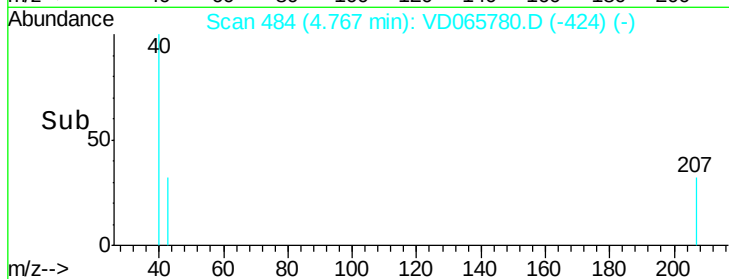
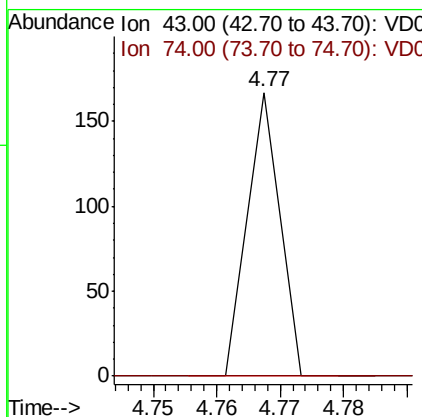
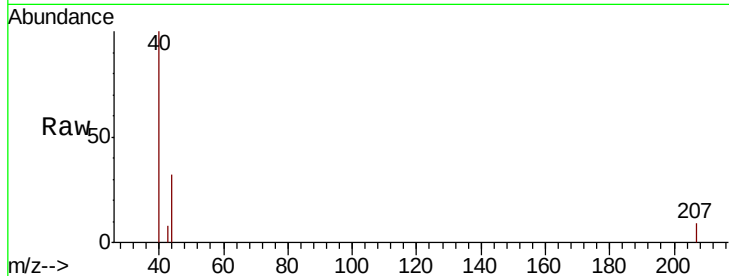




#18
Methyl Acetate
Concen: Below Cal
RT: 4.77 min Scan# 484
Delta R.T. 0.05 min
Lab File: VD065780.D
Acq: 08 Jun 2020 15:03

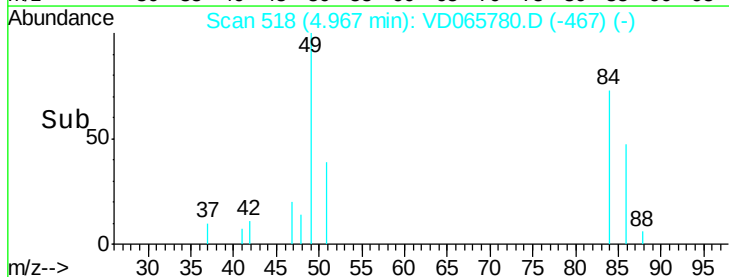
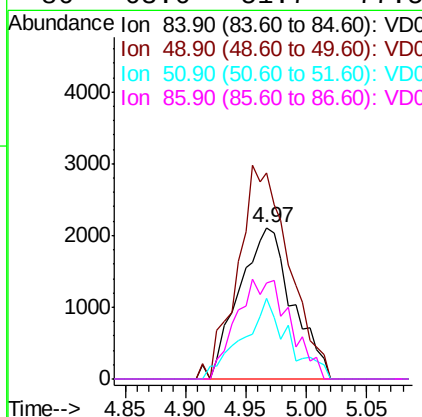
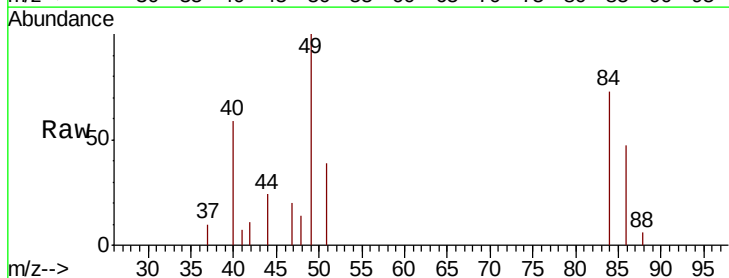
Instrument :
MSVOA_D
ClientSampleId :

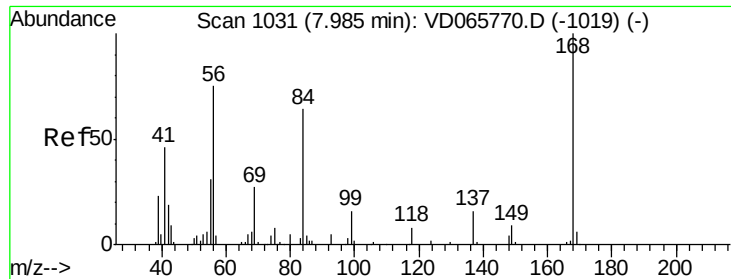
Tot Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
74 0.0 18.7 28.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065780.D
Acq: 08 Jun 2020 15:03

Tgt Ion: 84 Resp: 6497
Ion Ratio Lower Upper
84 100
49 136.6 103.4 155.0
51 53.5 31.4 47.2#
86 63.6 51.7 77.5

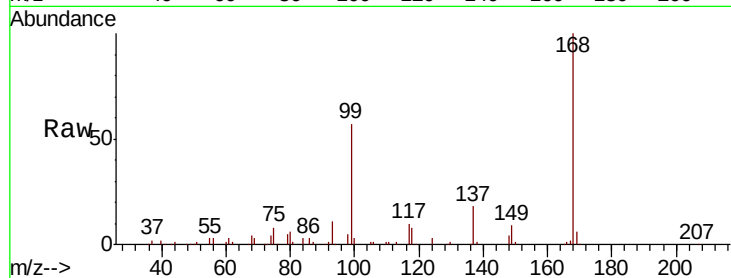




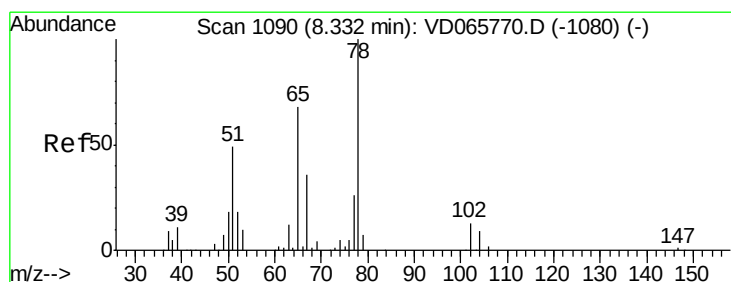
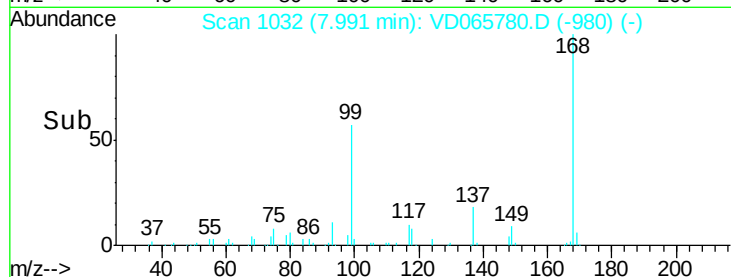
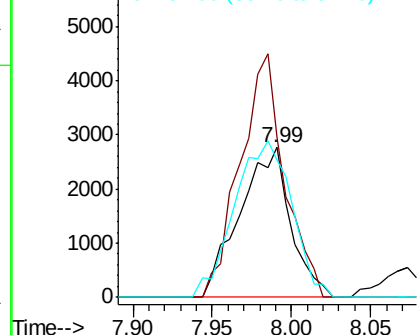
#31
Cyclohexane
Concen: 1.524 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065780.D
Acq: 08 Jun 2020 15:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 6161
Ion Ratio Lower Upper
56 100
69 107.1 28.5 42.7#
84 91.8 68.4 102.6

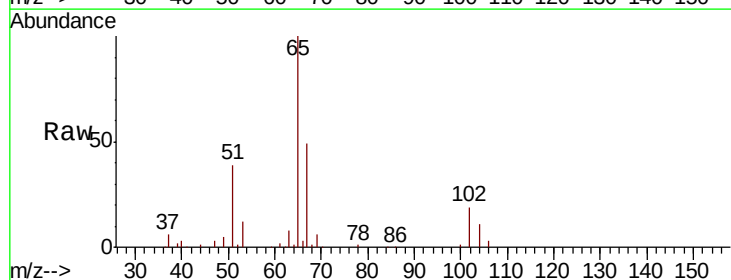


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

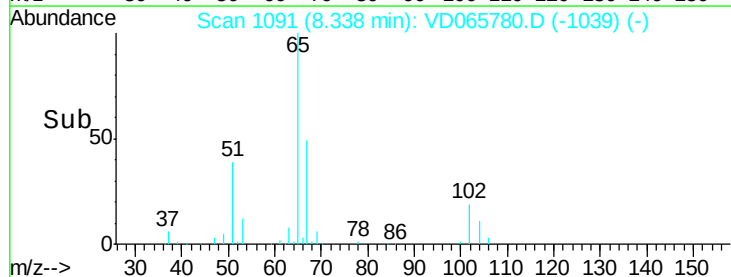
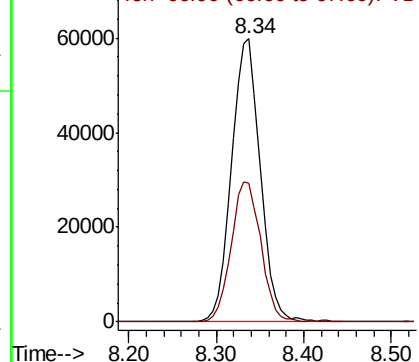


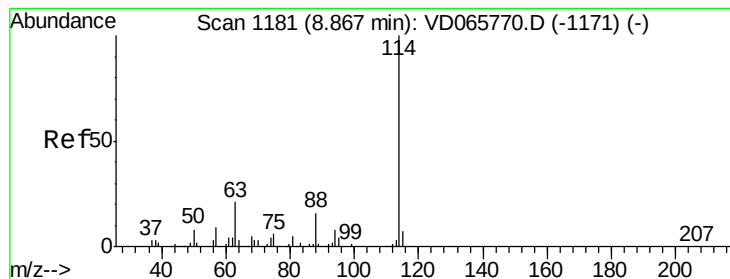
#33
1,2-Dichloroethane-d4
Concen: 59.312 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD065780.D
Acq: 08 Jun 2020 15:03

Tgt Ion: 65 Resp: 133691
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.6



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: VD065780.D

Acq: 08 Jun 2020 15:03

Instrument :

MSVOA_D

ClientSampled :

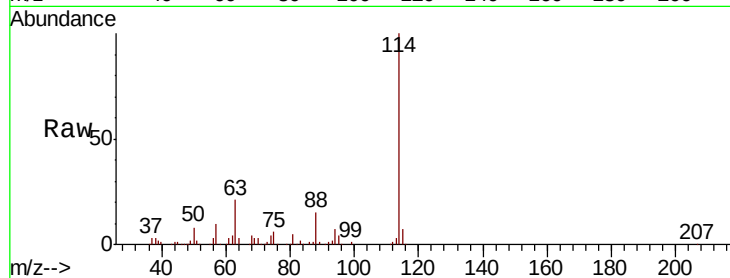
Tot Ion:114 Resp: 394993

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.8

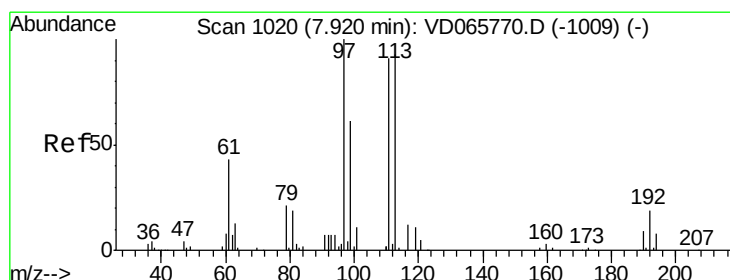
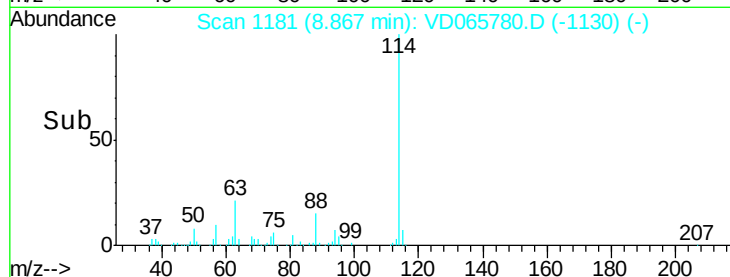
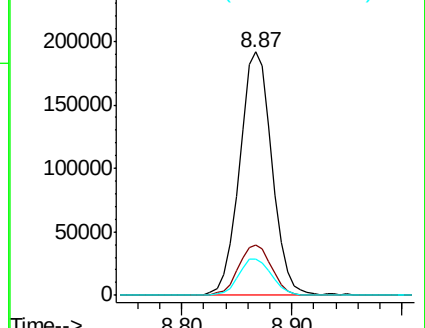
88 14.9 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 52.603 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065780.D

Acq: 08 Jun 2020 15:03

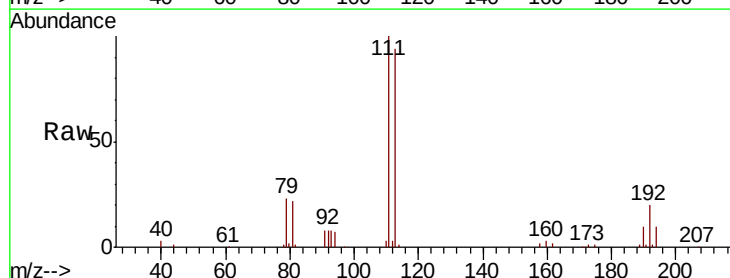
Tgt Ion:113 Resp: 131246

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.0

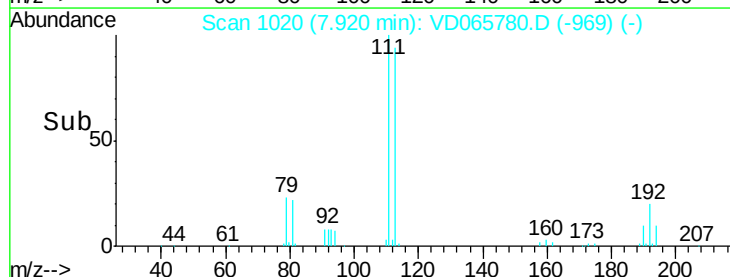
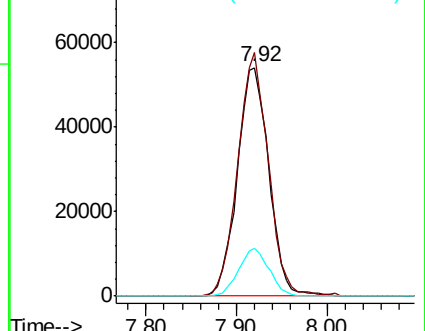
192 19.9 15.7 23.5

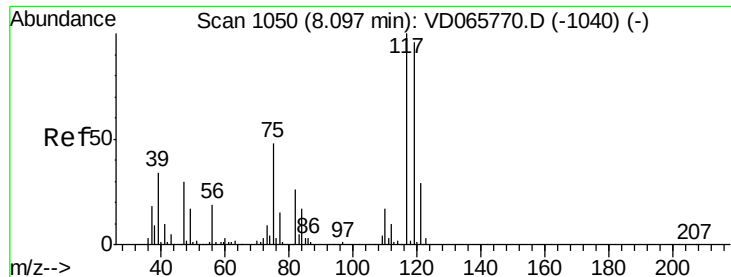


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

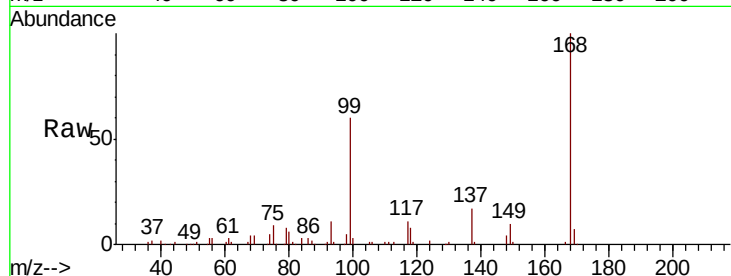




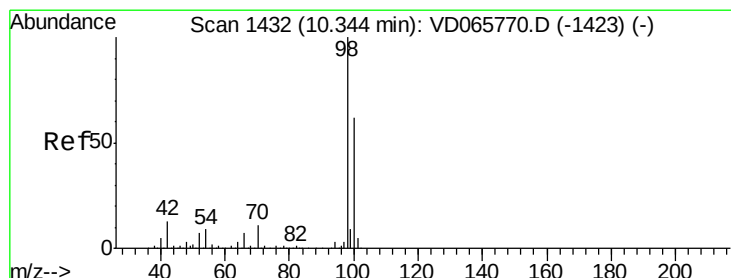
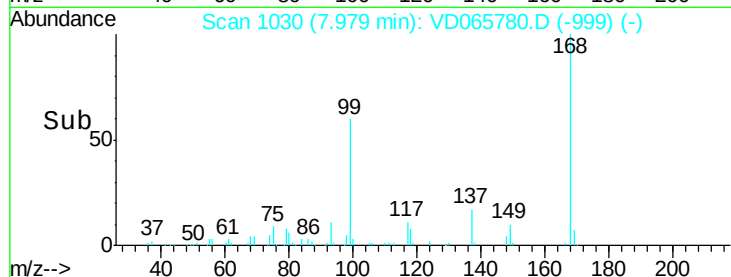
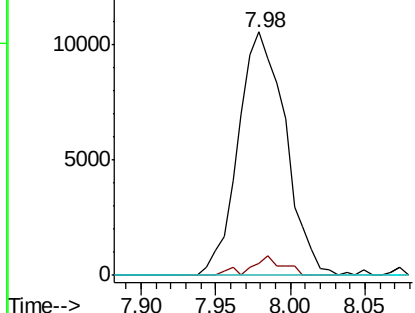
#38
Carbon Tetrachloride
Concen: 5.802 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065780.D
Acq: 08 Jun 2020 15:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 23105
Ion Ratio Lower Upper
117 100
119 5.1 76.8 115.2#
121 0.0 23.4 35.2#

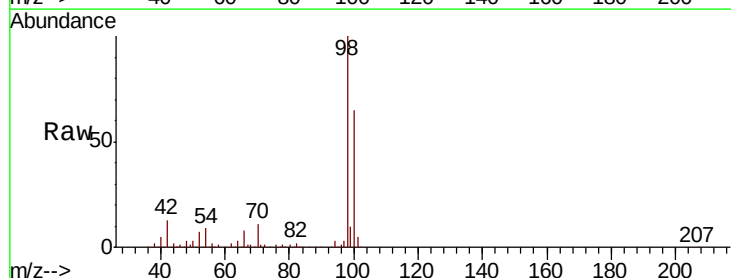


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

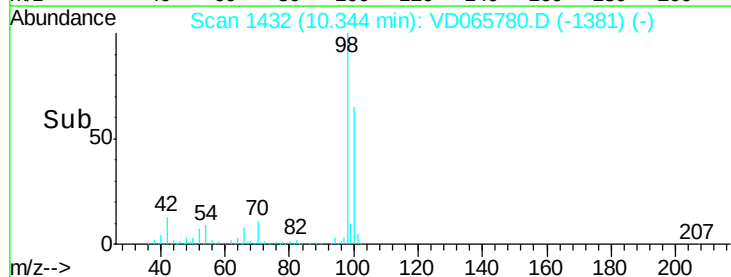
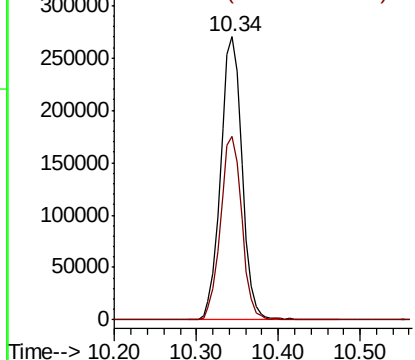


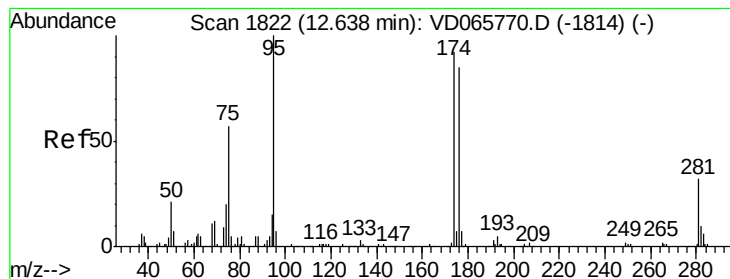
#50
Toluene-d8
Concen: 53.038 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065780.D
Acq: 08 Jun 2020 15:03

Tgt Ion: 98 Resp: 493444
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD





#62

4-Bromofluorobenzene

Concen: 47.595 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065780.D

Acq: 08 Jun 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

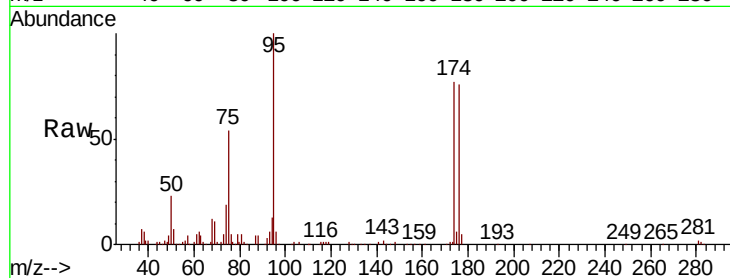
Tot Ion: 95 Resp: 150170

Ion Ratio Lower Upper

95 100

174 81.2 0.0 175.2

176 79.7 0.0 163.0



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

120000

100000

80000

60000

40000

20000

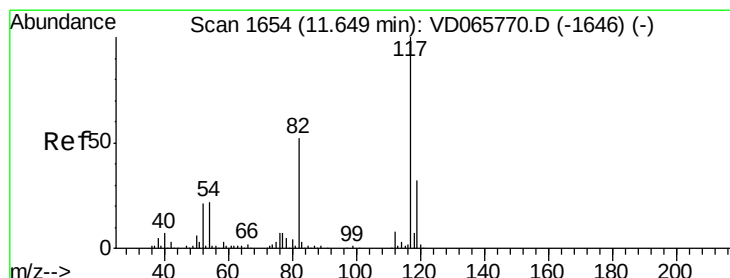
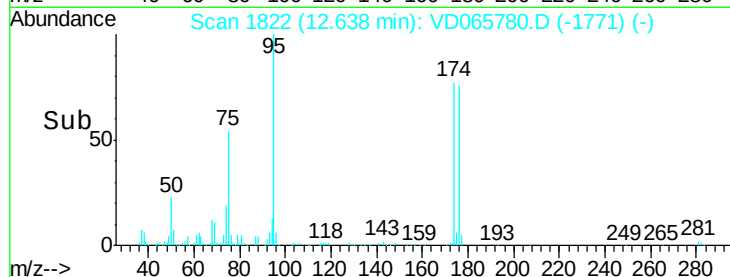
0

12.60

12.64

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: VD065780.D

Acq: 08 Jun 2020 15:03

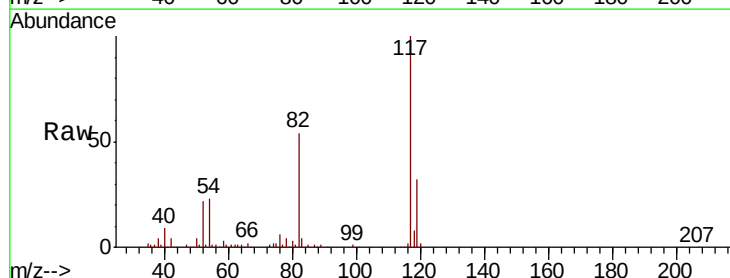
Tgt Ion: 117 Resp: 352939

Ion Ratio Lower Upper

117 100

82 54.4 41.9 62.9

119 32.0 25.3 37.9



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

250000

200000

150000

100000

50000

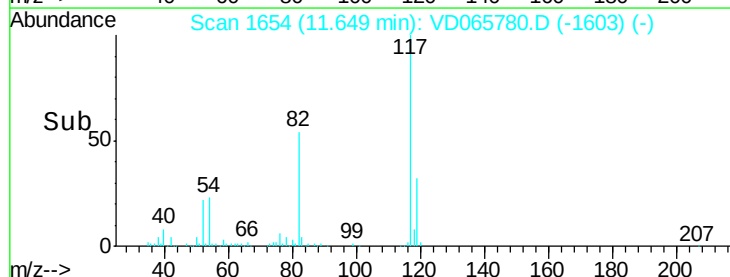
0

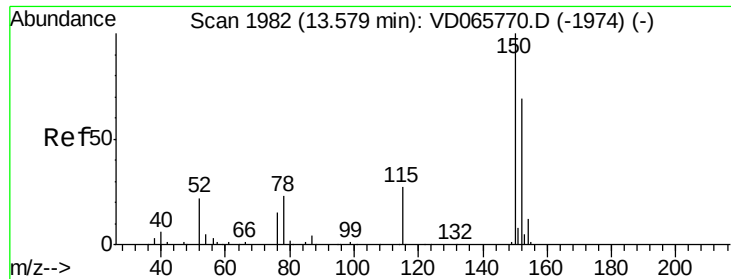
11.60

11.65

11.70

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065780.D

Acq: 08 Jun 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

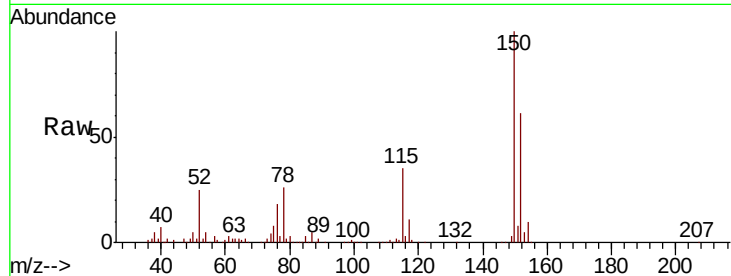
Tot Ion:152 Resp: 152534

Ion Ratio Lower Upper

152 100

115 59.0 28.7 86.1

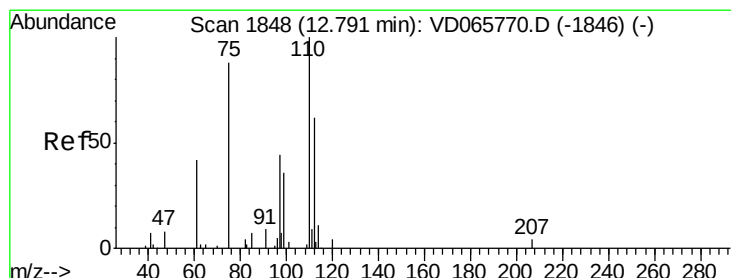
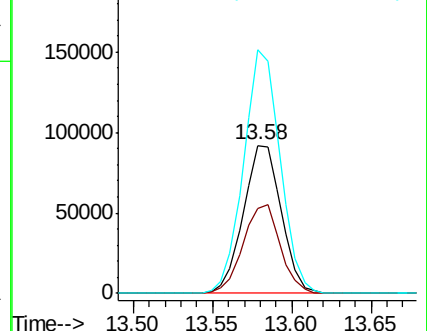
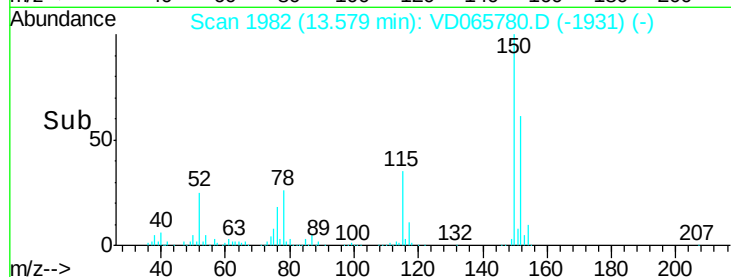
150 158.7 0.0 348.0



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: 70.643 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065780.D

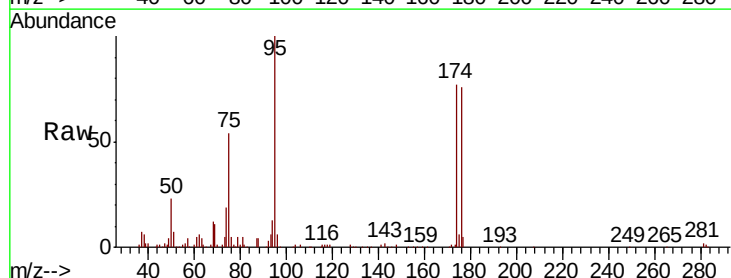
Acq: 08 Jun 2020 15:03

Tgt Ion: 75 Resp: 83802

Ion Ratio Lower Upper

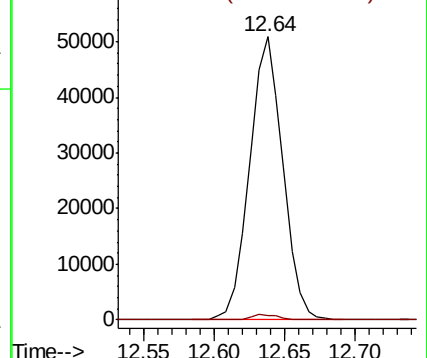
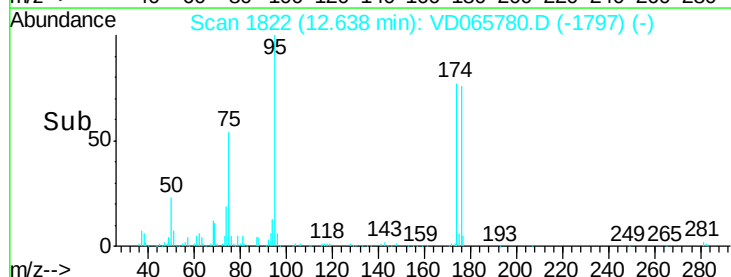
75 100

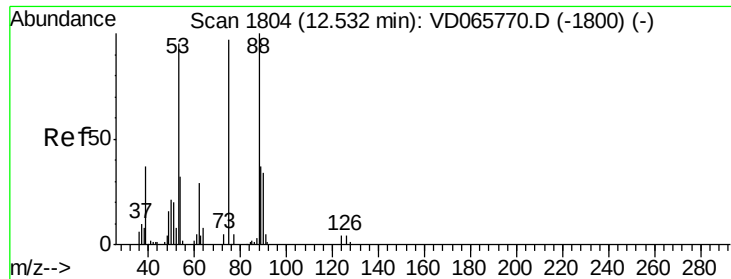
77 1.6 0.0 0.0#



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: 152.632 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD065780.D

Acq: 08 Jun 2020 15:03

Instrument :

MSVOA_D

ClientSampleId :

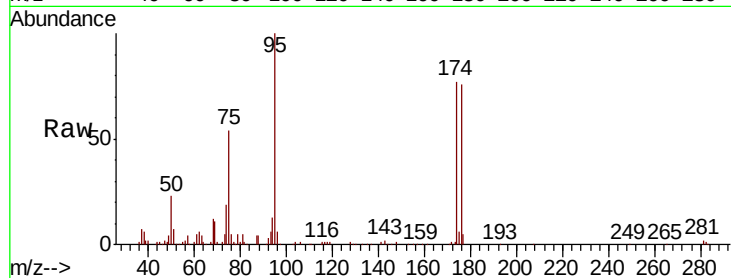
Tot Ion: 75 Resp: 83802

Ion Ratio Lower Upper

75 100

53 0.1 82.6 123.8#

89 0.0 35.9 53.9#



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

