

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066043.D
 Acq On : 24 Jul 2020 13:22
 Operator : VA/SY
 Sample : L3383-09
 Misc : 8.52G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT-009

Quant Time: Jul 24 23:53:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	309524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	473968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	495754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	262244	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	123741	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
35) Dibromofluoromethane	7.92	113	144992	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
50) Toluene-d8	10.34	98	581421	54.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.64	95	229919	61.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.84%	

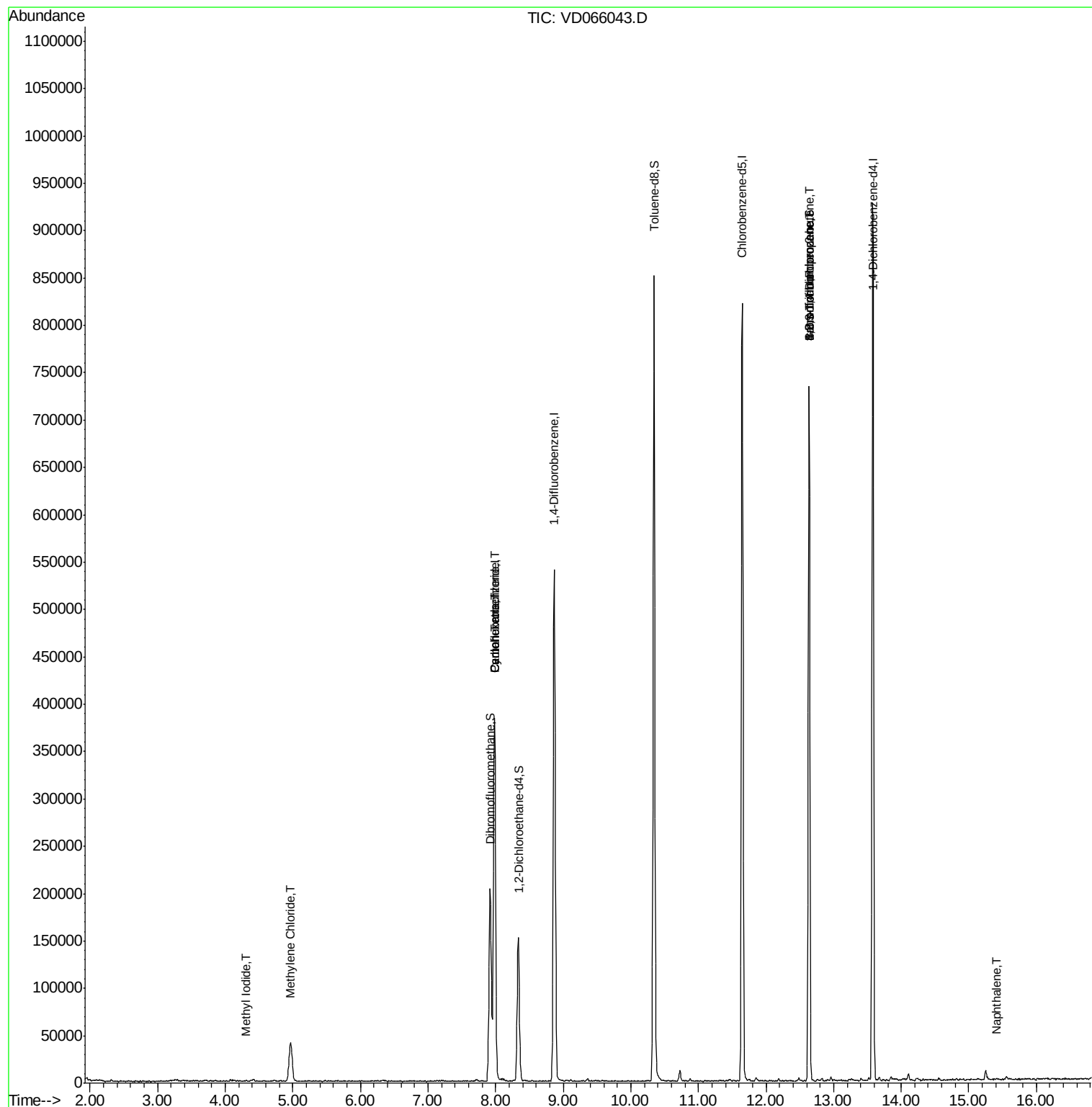
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	187	Below Cal		87
10) Methyl Iodide	4.30	142	663	9.014	ug/l #	42
20) Methylene Chloride	4.96	84	34270	9.772	ug/l	88
31) Cyclohexane	7.99	56	6542	1.444	ug/l #	41
38) Carbon Tetrachloride	7.99	117	28257	6.438	ug/l #	17
71) Bromoform	12.64	173	2504	1.275	ug/l #	29
76) 1,2,3-Trichloropropane	12.64	75	111673	56.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	111673	129.776	ug/l #	11
95) Naphthalene	15.41	128	642	3.619	ug/l #	81

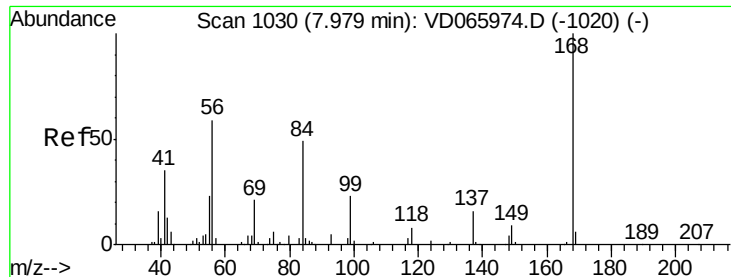
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

Instrument :

MSVOA_D

ClientSampleId :

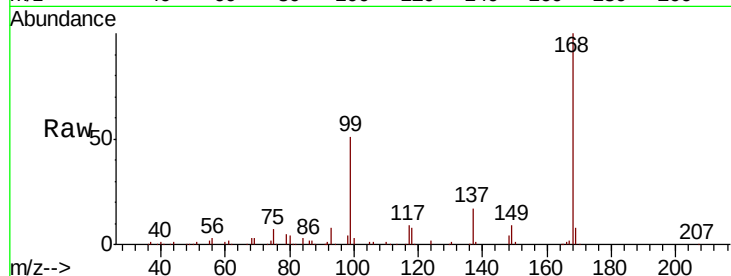
CRT-009

Tot Ion:168 Resp: 309524

Ion Ratio Lower Upper

168 100

99 51.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

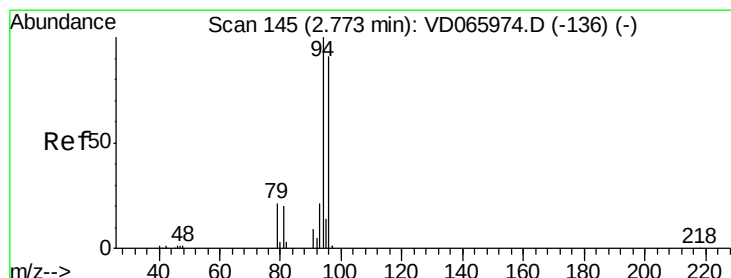
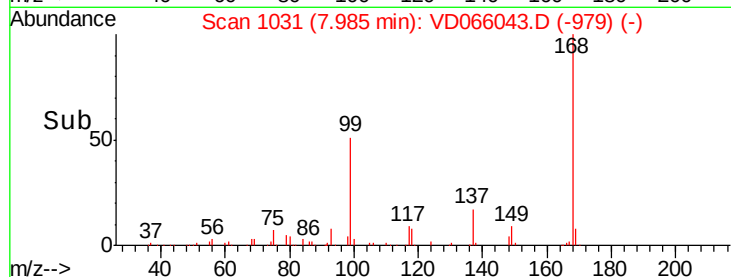
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD066043.D

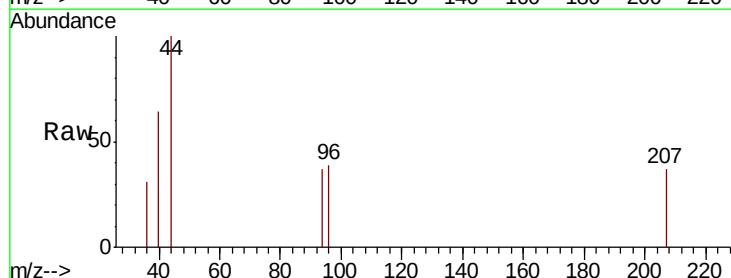
Acq: 24 Jul 2020 13:22

Tgt Ion: 94 Resp: 187

Ion Ratio Lower Upper

94 100

96 104.0 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

300

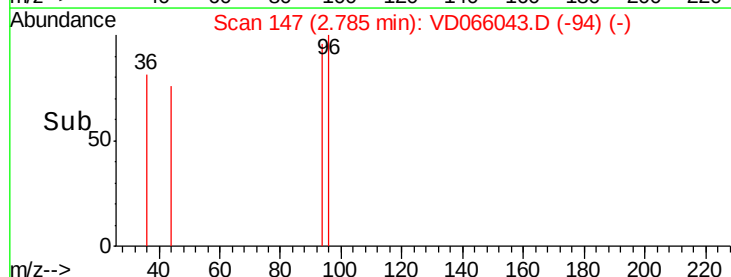
200

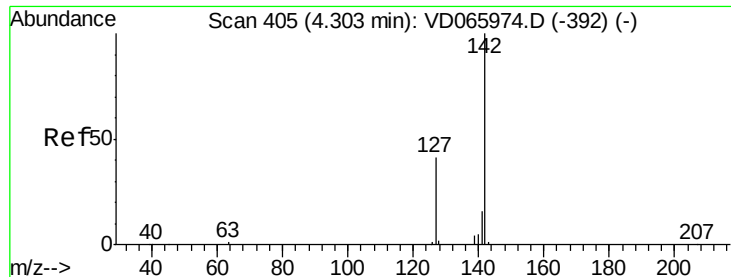
100

0

Time-->

2.76 2.78 2.80

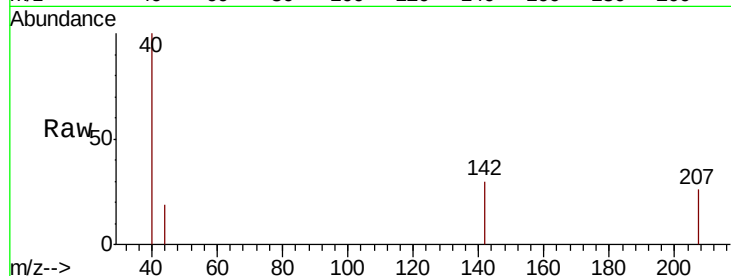




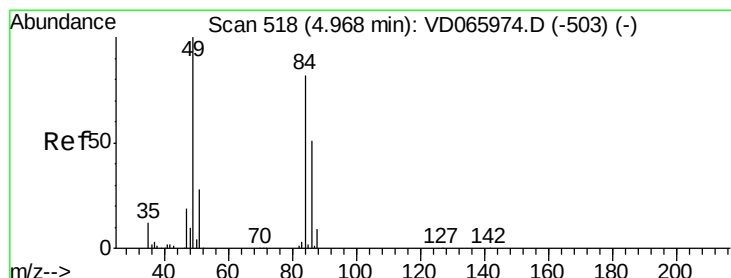
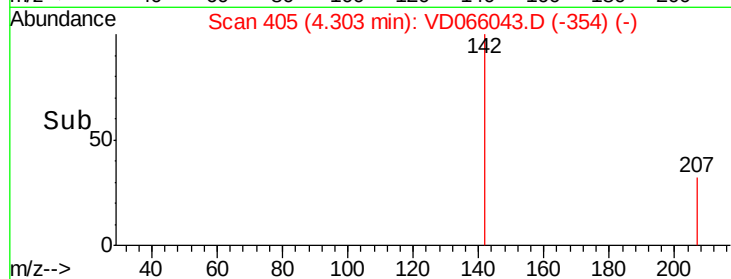
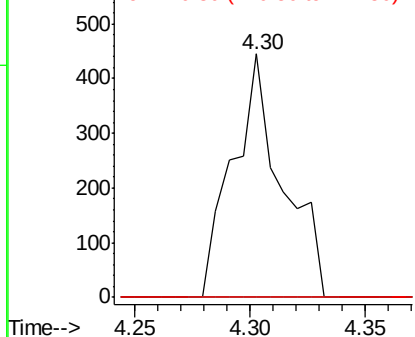
#10
Methyl Iodide
Concen: 9.014 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD066043.D
Acq: 24 Jul 2020 13:22

Instrument :
MSVOA_D
ClientSampleId :
CRT-009

Tot Ion:142 Resp: 663
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#

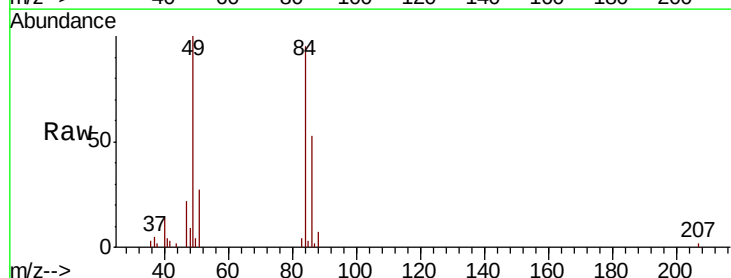


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

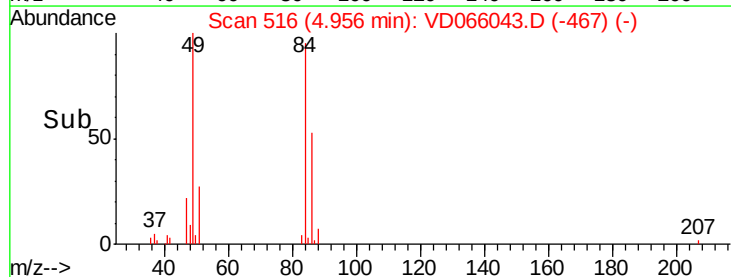
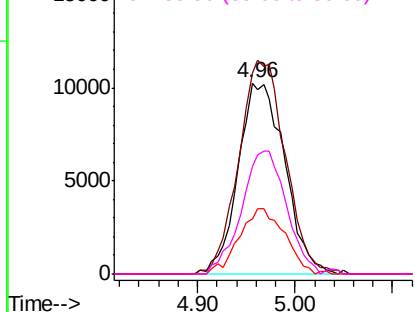


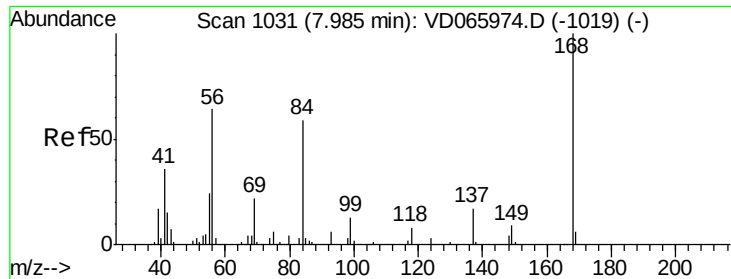
#20
Methylene Chloride
Concen: 9.772 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066043.D
Acq: 24 Jul 2020 13:22

Tgt Ion: 84 Resp: 34270
Ion Ratio Lower Upper
84 100
49 105.1 97.7 146.5
51 28.7 27.4 41.2
86 55.9 49.4 74.2



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

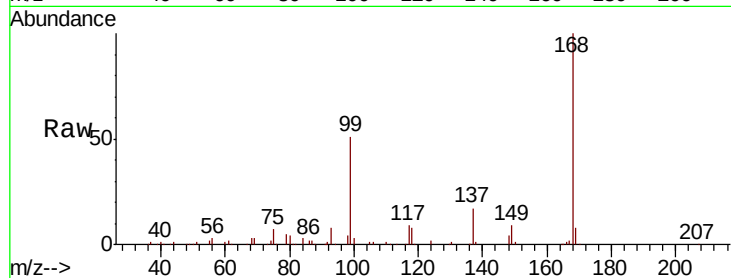




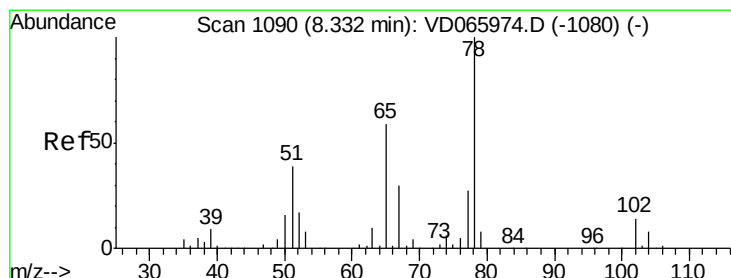
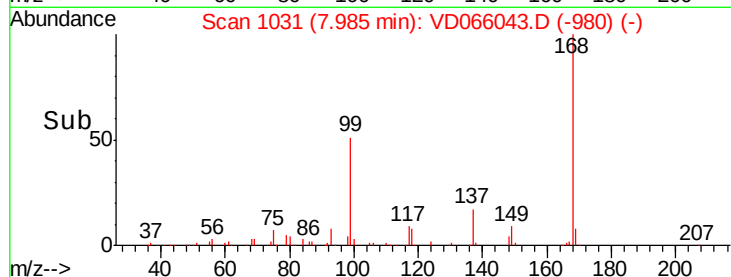
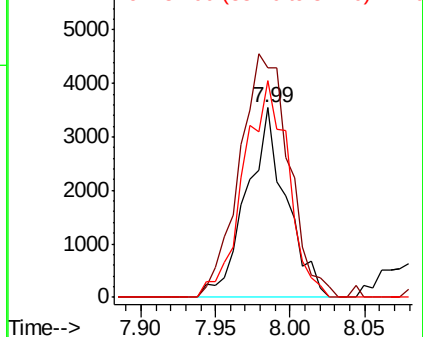
#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066043.D
Acq: 24 Jul 2020 13:22

Instrument :
MSVOA_D
ClientSampleId :
CRT-009

Tot Ion: 56 Resp: 6542
Ion Ratio Lower Upper
56 100
69 120.8 28.0 42.0#
84 114.4 72.6 109.0#

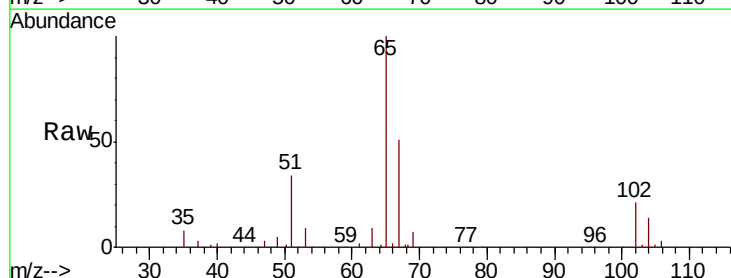


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

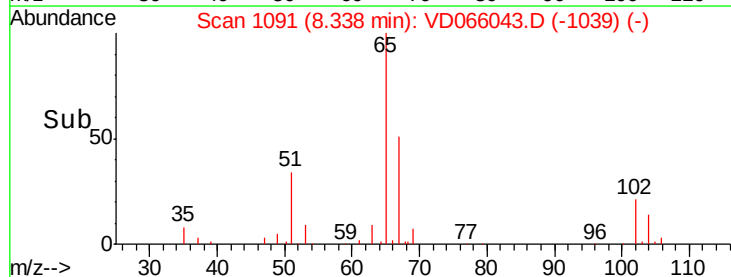
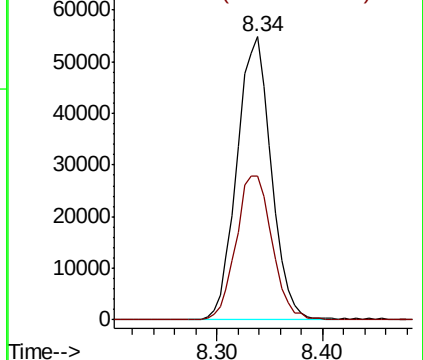


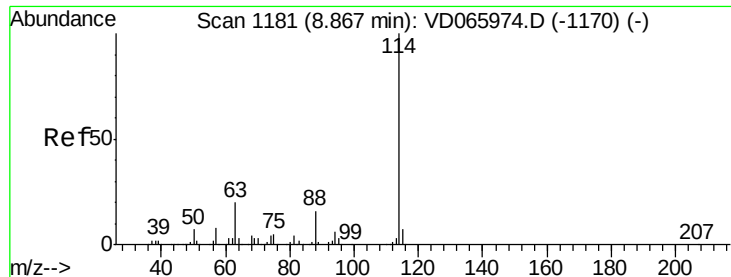
#33
1,2-Dichloroethane-d4
Concen: 49.132 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD066043.D
Acq: 24 Jul 2020 13:22

Tgt Ion: 65 Resp: 123741
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.0



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

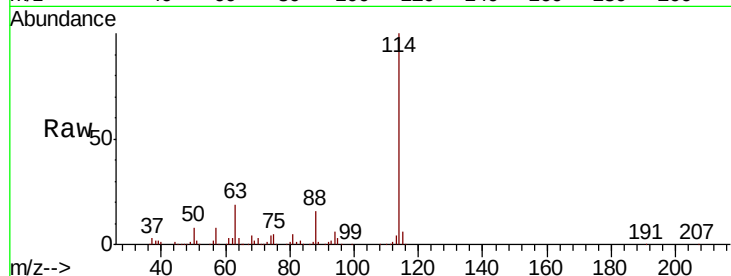




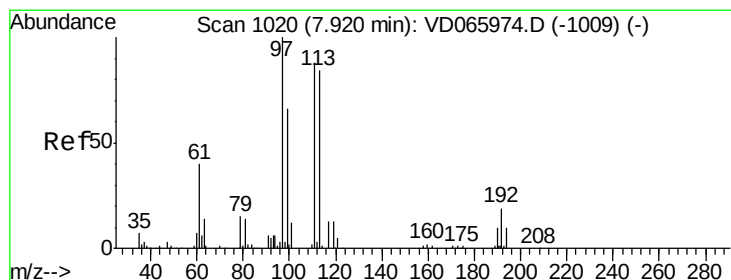
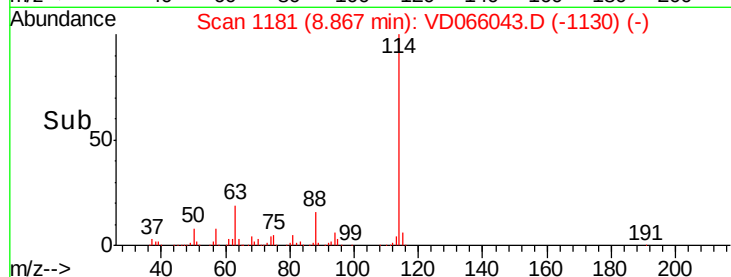
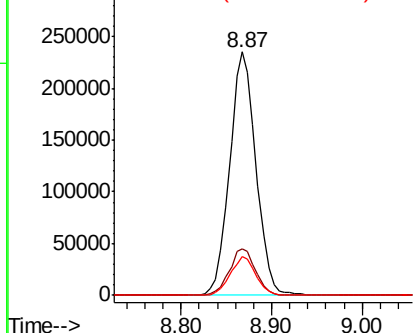
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066043.D
 Acq: 24 Jul 2020 13:22

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT-009

Tot Ion:114 Resp: 473968
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 15.9 0.0 31.2

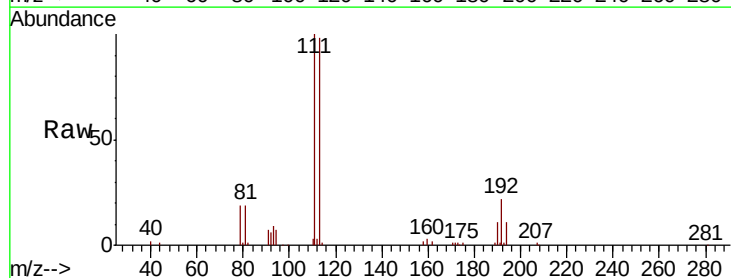


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

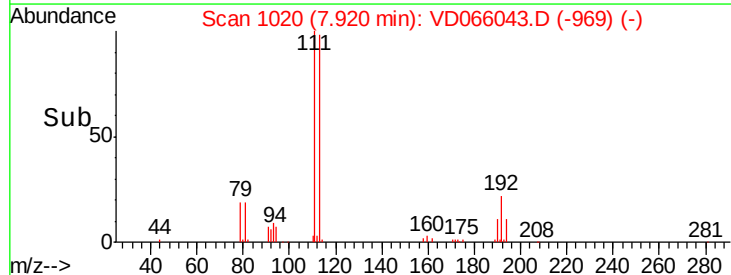
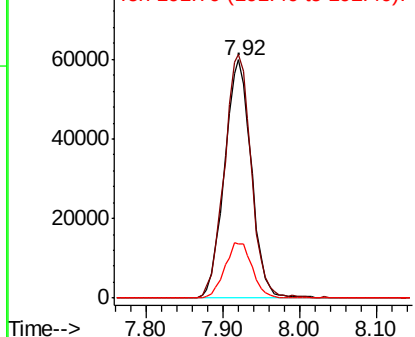


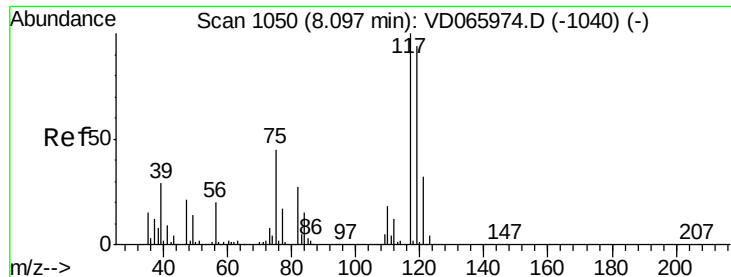
#35
 Dibromofluoromethane
 Concen: 50.436 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD066043.D
 Acq: 24 Jul 2020 13:22

Tgt Ion:113 Resp: 144992
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.2 124.8
 192 23.5 18.7 28.1



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: 6.438 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

Instrument :

MSVOA_D

ClientSampleId :

CRT-009

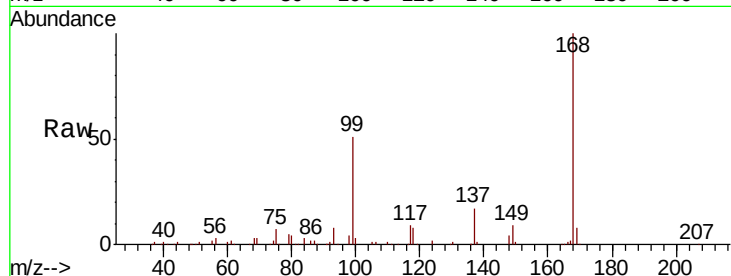
Tot Ion:117 Resp: 28257

Ion Ratio Lower Upper

117 100

119 5.3 75.0 112.6#

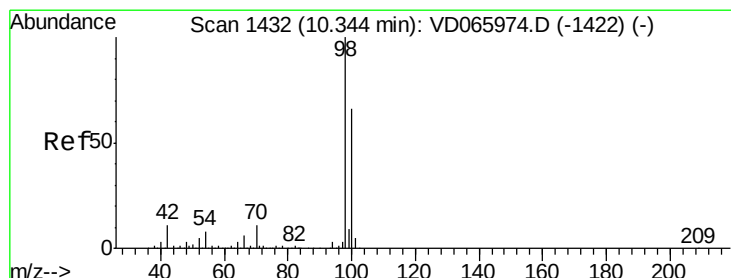
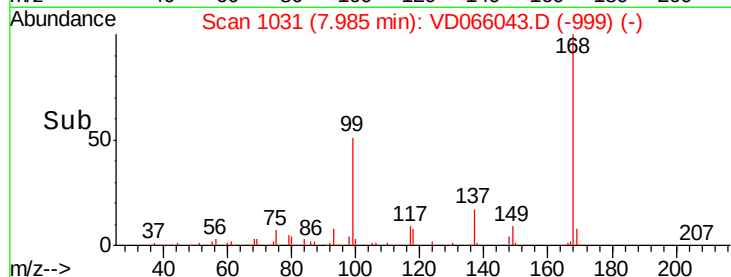
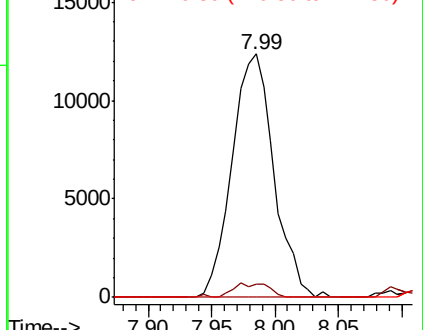
121 0.0 25.5 38.3#



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: 54.291 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066043.D

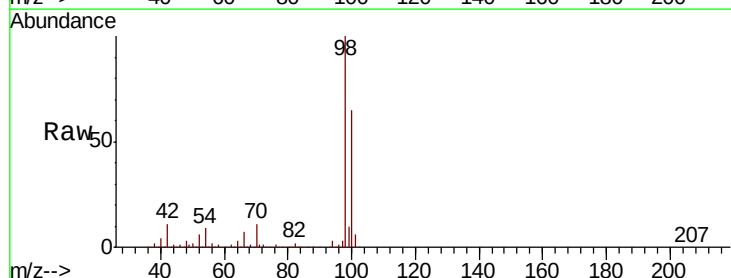
Acq: 24 Jul 2020 13:22

Tgt Ion: 98 Resp: 581421

Ion Ratio Lower Upper

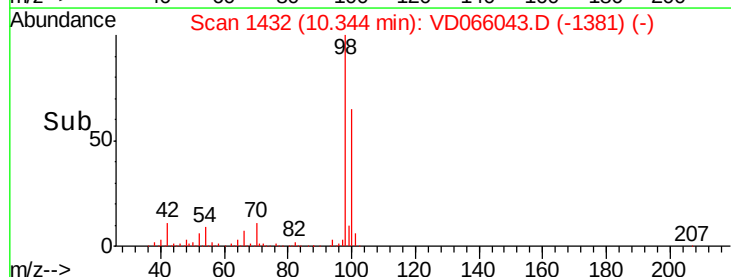
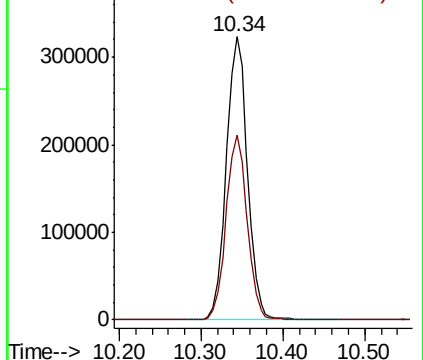
98 100

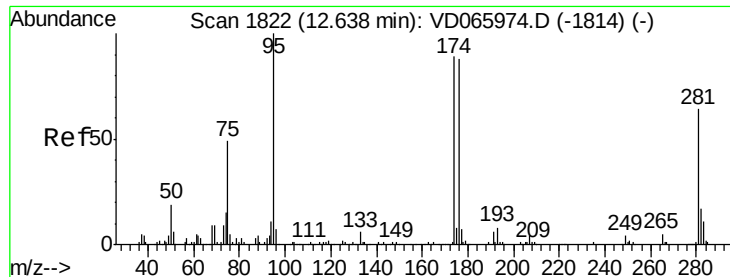
100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 61.918 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

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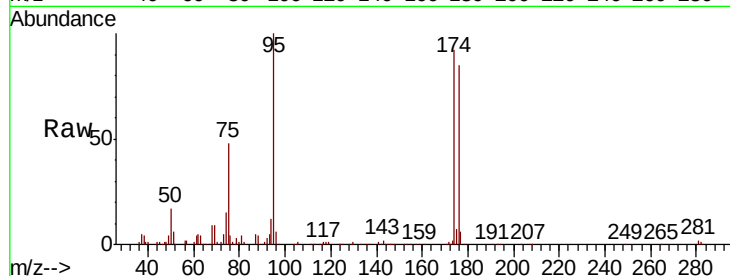
Tot Ion: 95 Resp: 229919

Ion Ratio Lower Upper

95 100

174 91.8 0.0 178.8

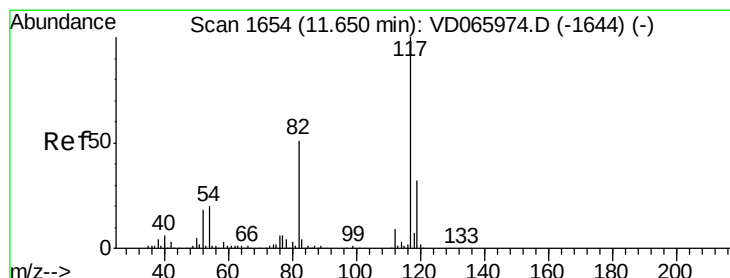
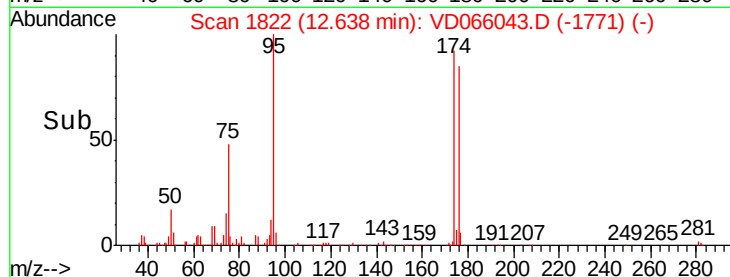
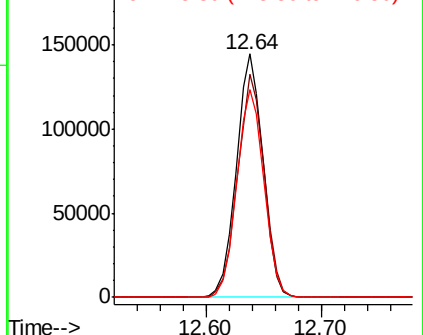
176 86.6 0.0 172.6



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: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

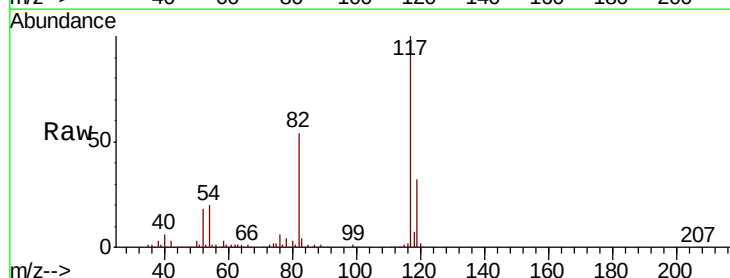
Tgt Ion: 117 Resp: 495754

Ion Ratio Lower Upper

117 100

82 54.4 41.1 61.7

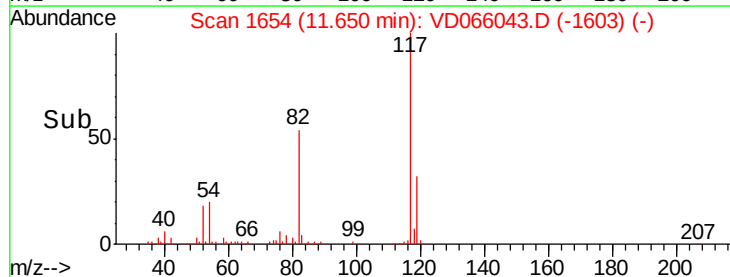
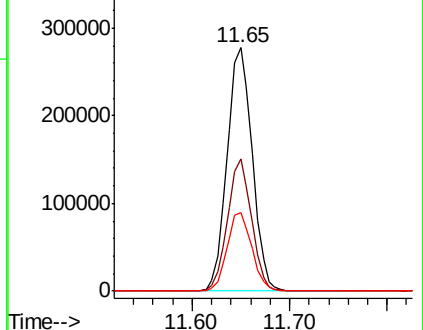
119 32.3 25.9 38.9

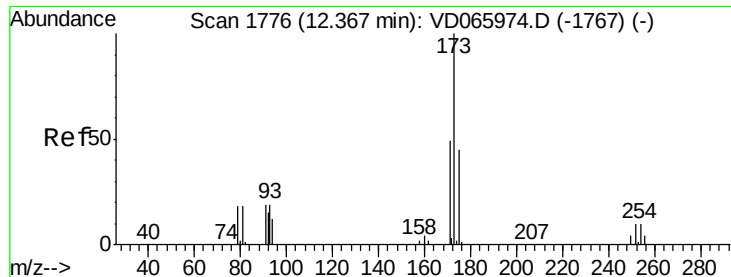


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.275 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

Instrument :

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CRT-009

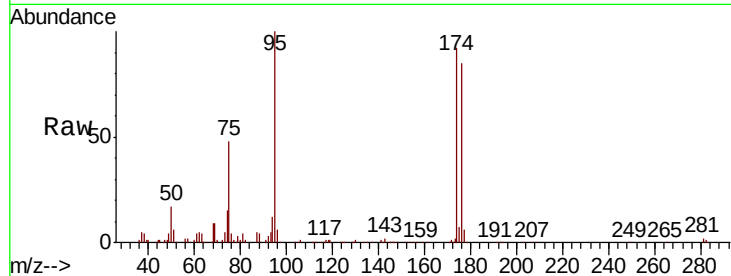
Tot Ion:173 Resp: 2504

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

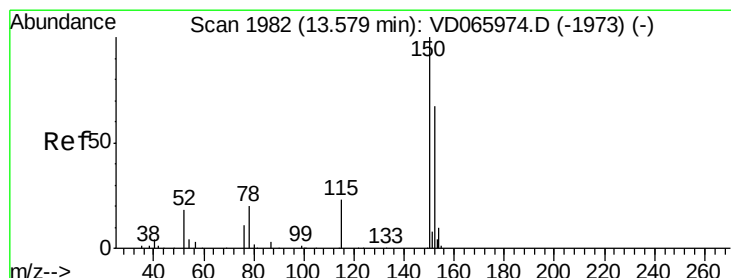
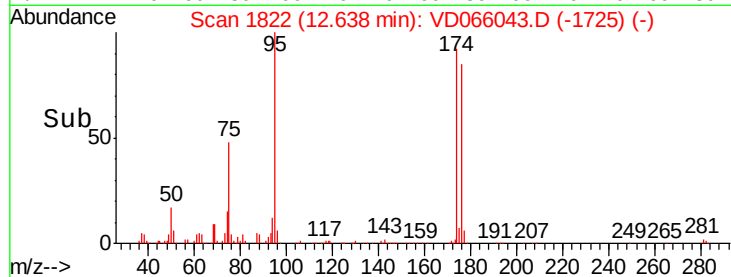
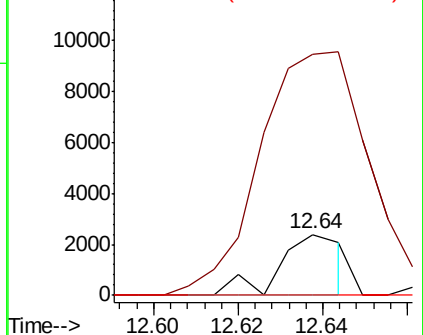
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

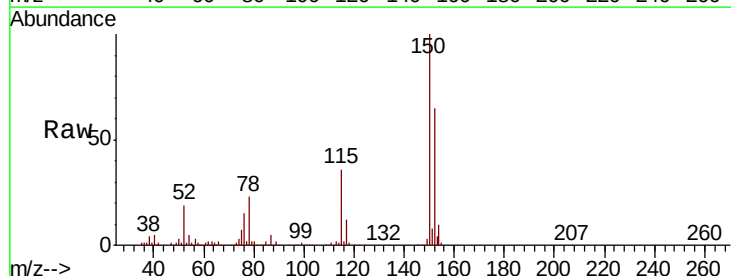
Tgt Ion:152 Resp: 262244

Ion Ratio Lower Upper

152 100

115 54.3 27.9 83.7

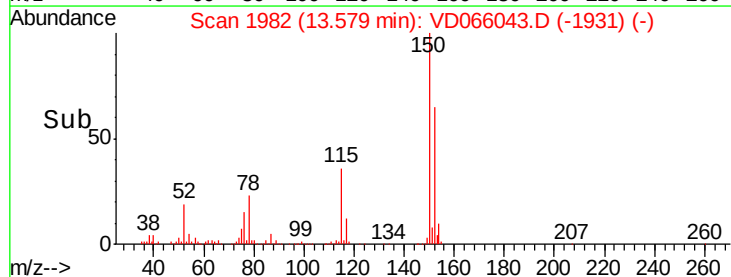
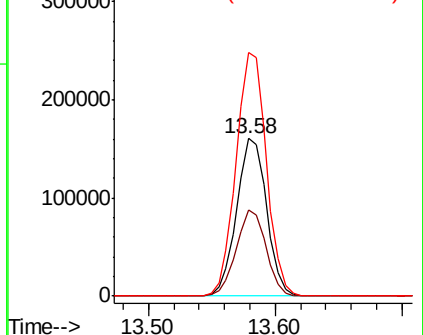
150 156.4 0.0 348.2

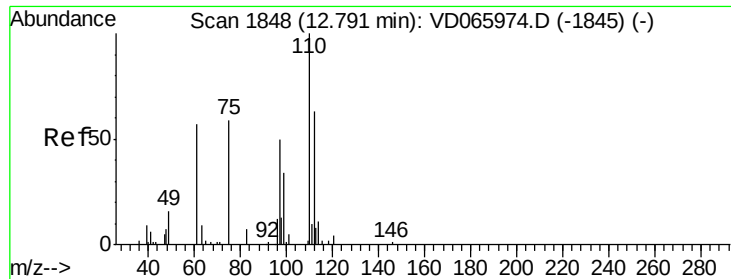


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.556 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

Instrument :

MSVOA_D

ClientSampleId :

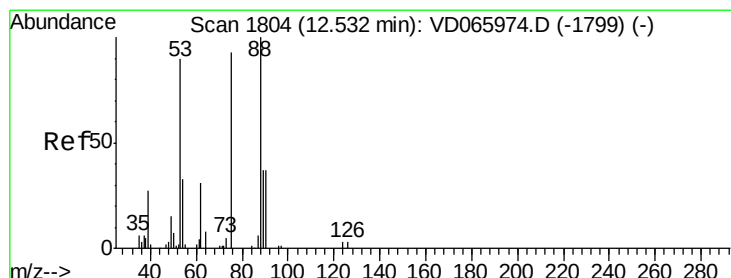
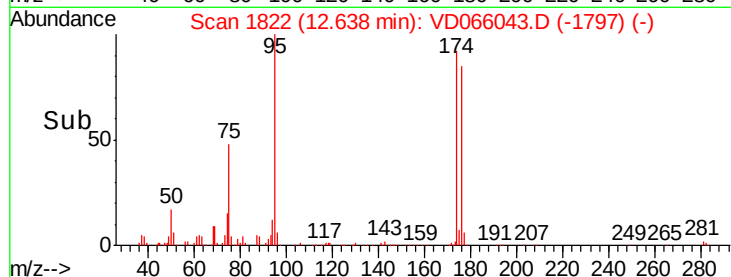
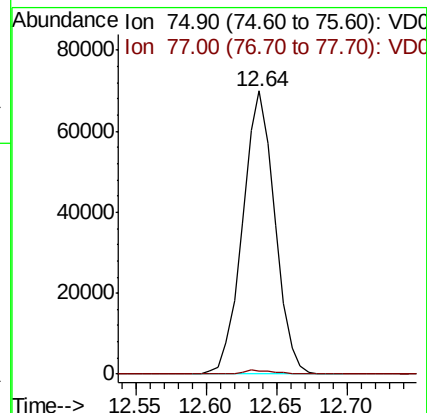
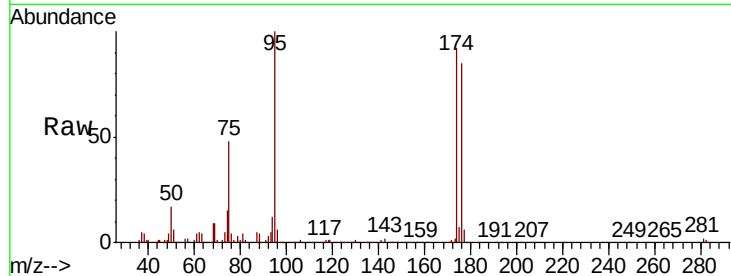
CRT-009

Tot Ion: 75 Resp: 111673

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.776 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066043.D

Acq: 24 Jul 2020 13:22

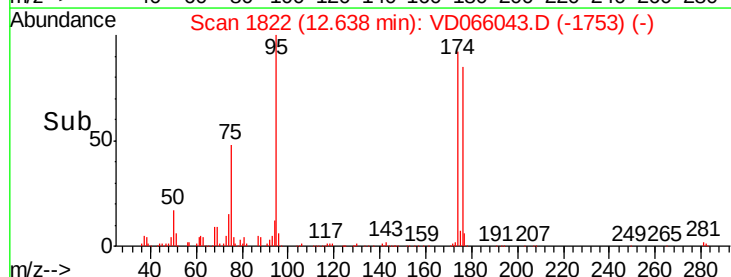
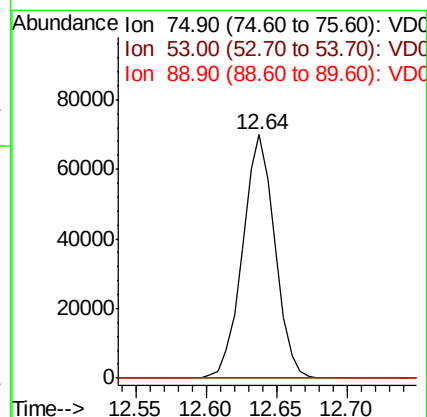
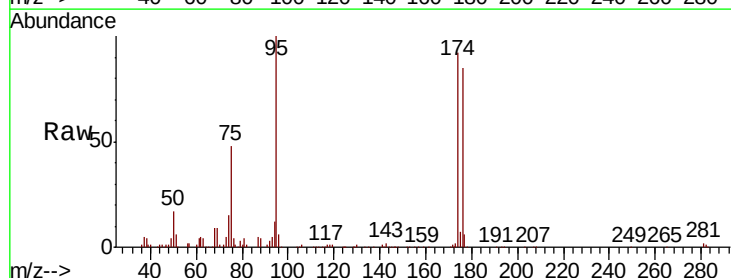
Tgt Ion: 75 Resp: 111673

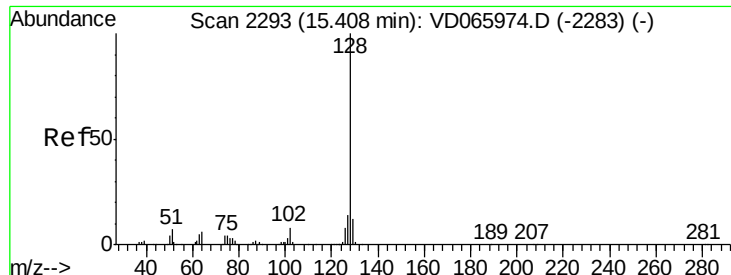
Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.1 37.0 55.4#

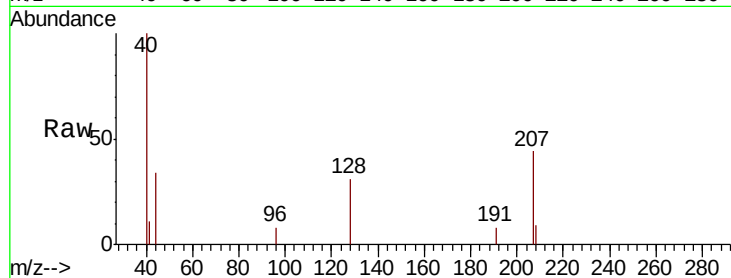




#95
 Naphthalene
 Concen: 3.619 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VD066043.D
 Acq: 24 Jul 2020 13:22

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT-009

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	11.4	8.9	13.3



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

