

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066047.D
 Acq On : 24 Jul 2020 15:12
 Operator : VA/SY
 Sample : L3383-25
 Misc : 7.51G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT-014

Quant Time: Jul 24 23:53:55 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	7.98	168	307218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	472230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266739	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	124105	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
35) Dibromofluoromethane	7.92	113	143721	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.34	98	576723	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
62) 4-Bromofluorobenzene	12.64	95	231893	62.68	ug/l	0.00
Spiked Amount			Recovery	=	125.36%	

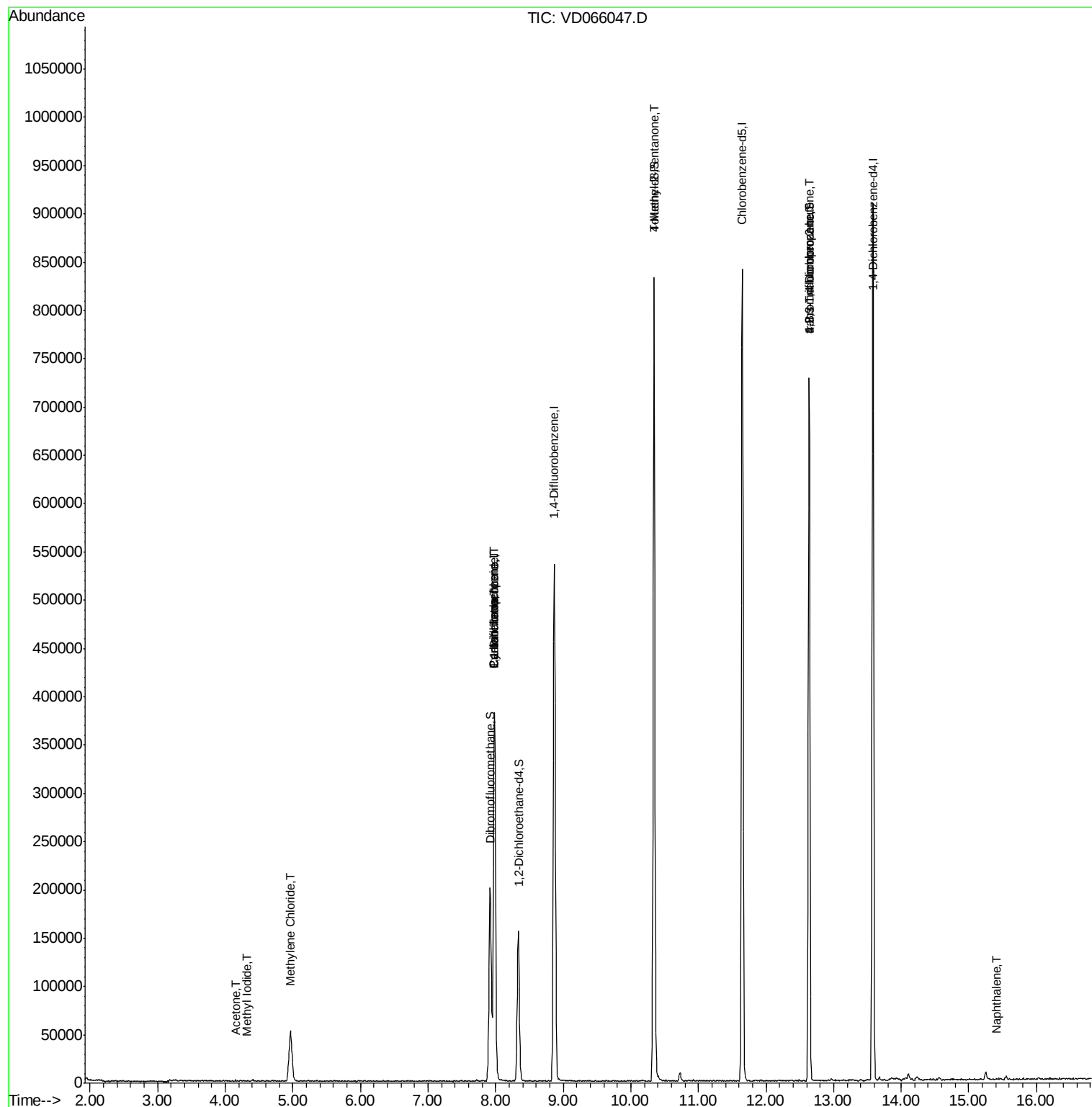
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.79	94	243	Below Cal	#	4
10) Methyl Iodide	4.32	142	70	8.834	ug/l #	20
16) Acetone	4.16	43	700	1.383	ug/l #	42
20) Methylene Chloride	4.97	84	38923	11.637	ug/l	94
31) Cyclohexane	7.98	56	6347	1.411	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	20772	5.154	ug/l #	49
38) Carbon Tetrachloride	7.98	117	28708	6.565	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	2830	1.868	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	112849	56.188	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112849	128.933	ug/l #	11
95) Naphthalene	15.41	128	386	3.590	ug/l #	68

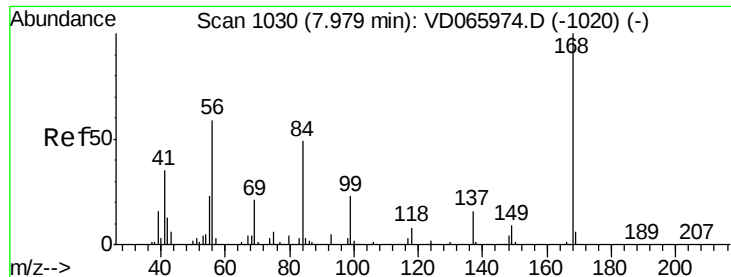
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
Data File : VD066047.D
Acq On : 24 Jul 2020 15:12
Operator : VA/SY
Sample : L3383-25
Misc : 7.51G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CRT-014

Quant Time: Jul 24 23:53:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

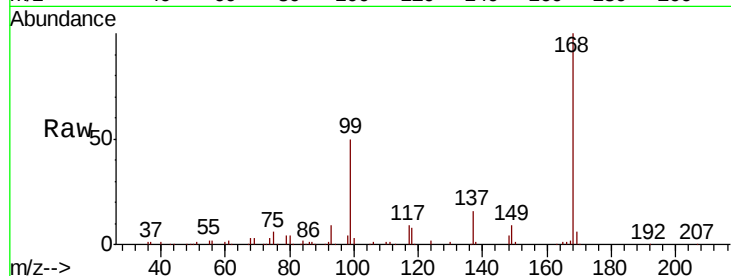
CRT-014

Tot Ion:168 Resp: 307218

Ion Ratio Lower Upper

168 100

99 49.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

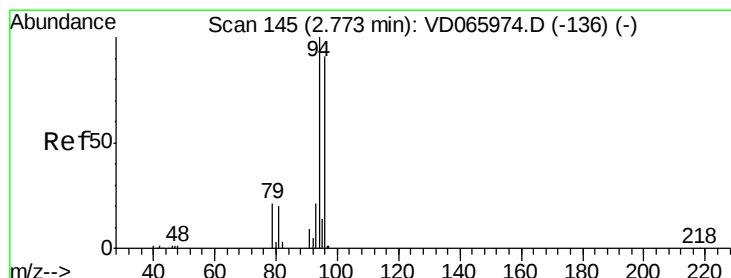
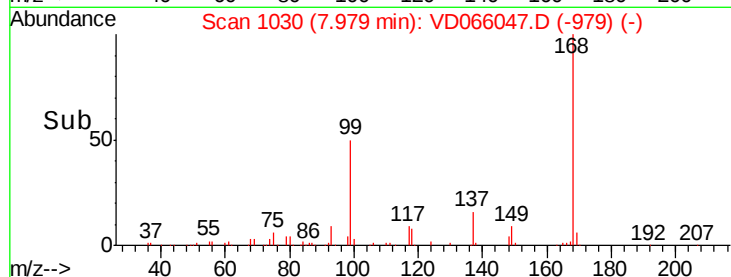
100000

50000

0

7.90 8.00 8.10

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD066047.D

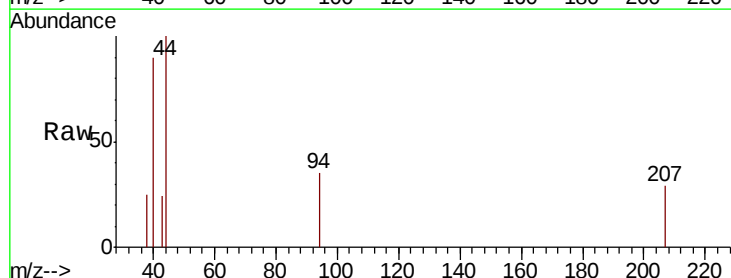
Acq: 24 Jul 2020 15:12

Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 0.0 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

250

200

150

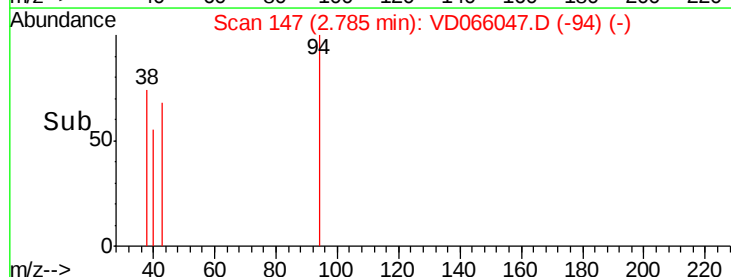
100

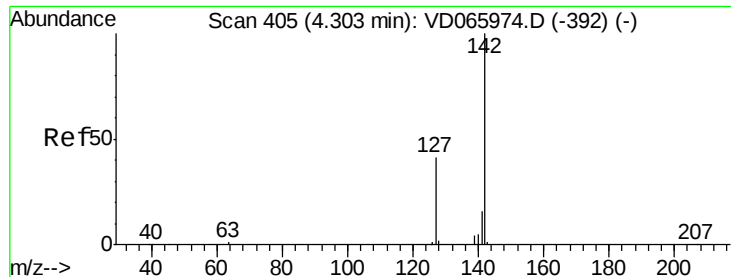
50

0

2.76 2.78 2.80

Time-->

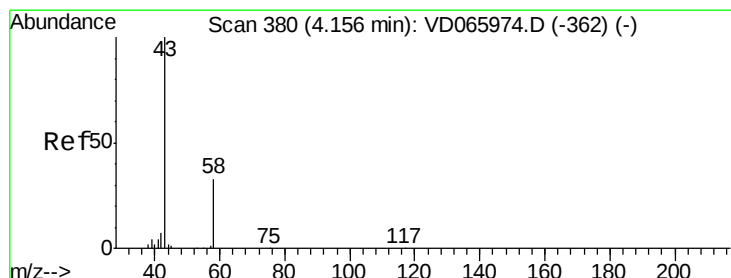
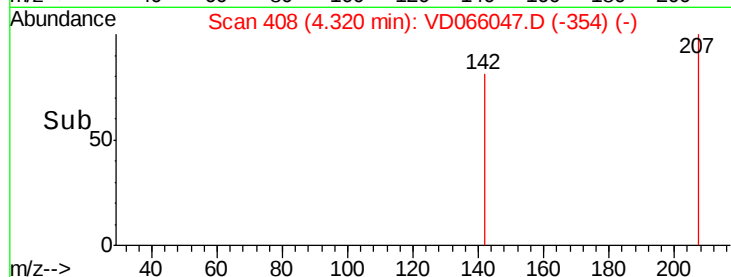
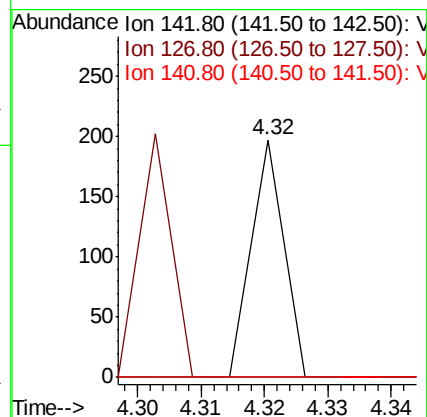
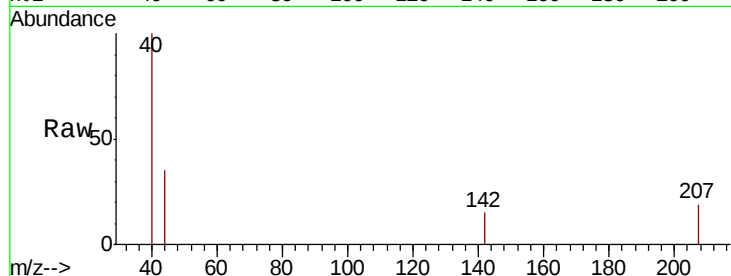




#10
Methvl Iodide
Concen: 8.834 ug/l
RT: 4.32 min Scan# 408
Delta R.T. 0.02 min
Lab File: VD066047.D
Acq: 24 Jul 2020 15:12

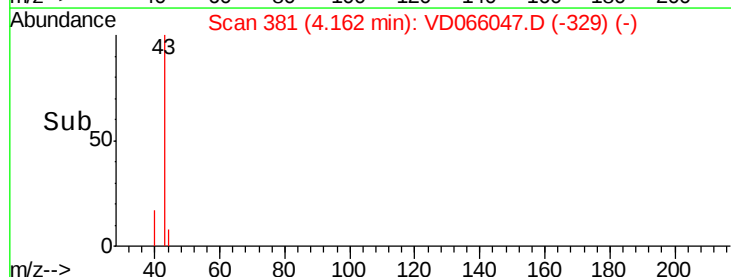
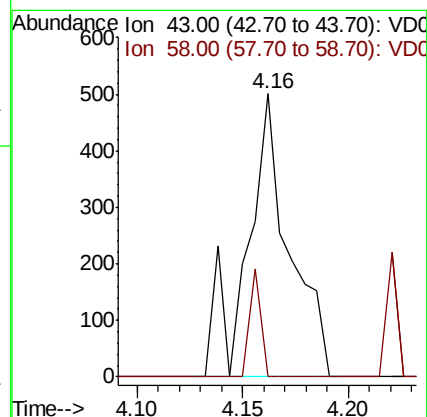
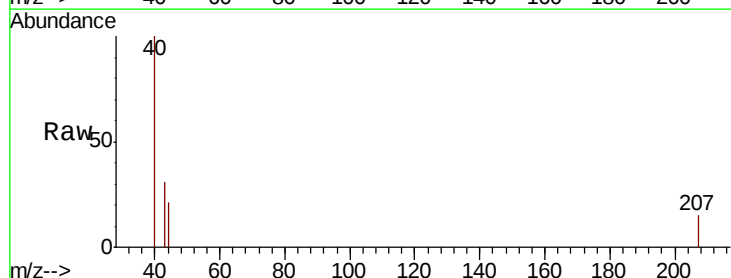
Instrument :
MSVOA_D
ClientSampleId :
CRT-014

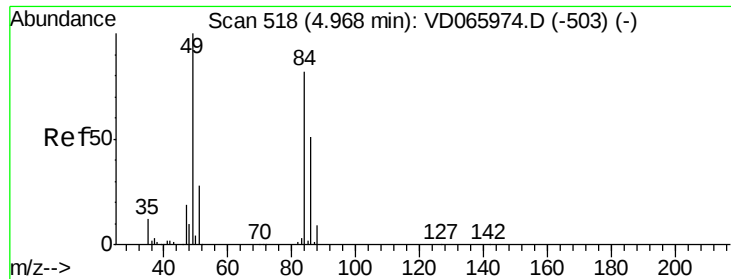
Tot Ion:142 Resp: 70
Ion Ratio Lower Upper
142 100
127 101.4 32.9 49.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 1.383 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066047.D
Acq: 24 Jul 2020 15:12

Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#

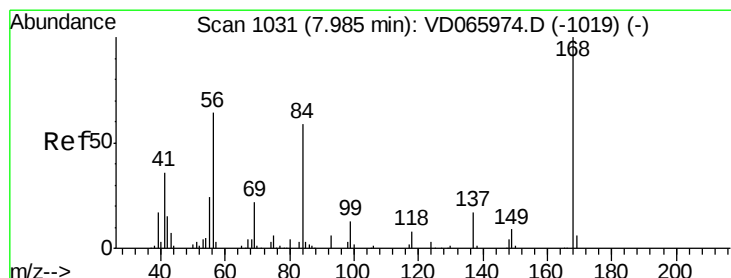
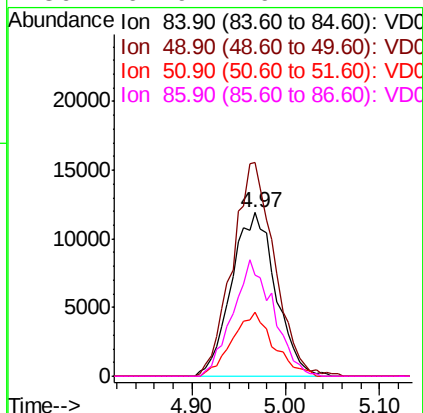
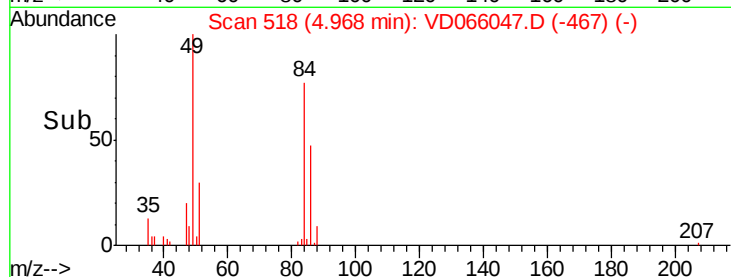
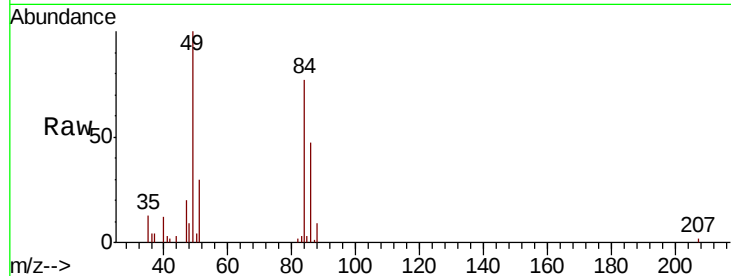




#20
Methvlene Chloride
Concen: 11.637 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066047.D
Acq: 24 Jul 2020 15:12

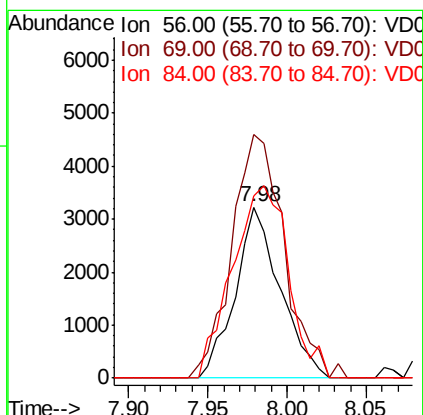
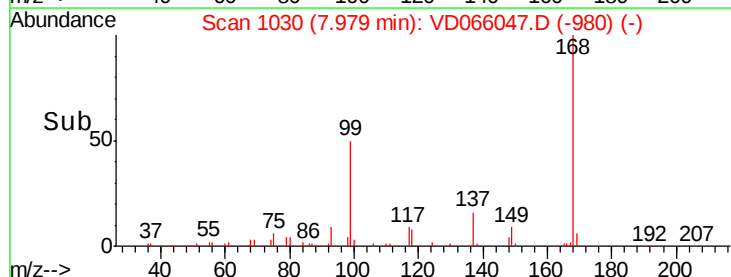
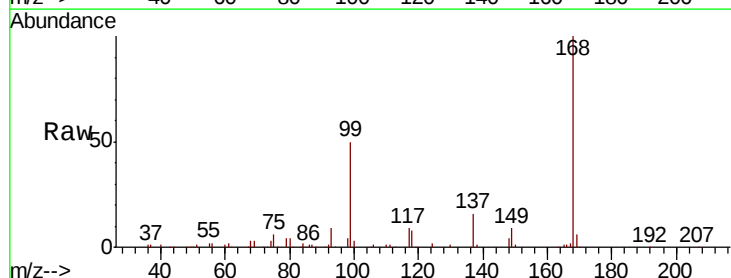
Instrument :
MSVOA_D
ClientSampleId :
CRT-014

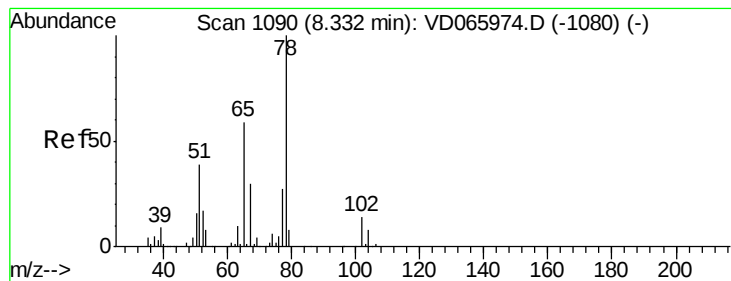
Tot Ion:	84	Resp:	38923
Ion	Ratio	Lower	Upper
84	100		
49	130.6	97.7	146.5
51	39.1	27.4	41.2
86	61.9	49.4	74.2



#31
Cyclohexane
Concen: 1.411 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066047.D
Acq: 24 Jul 2020 15:12

Tgt Ion:	56	Resp:	6347
Ion	Ratio	Lower	Upper
56	100		
69	142.3	28.0	42.0#
84	106.3	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 49.646 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

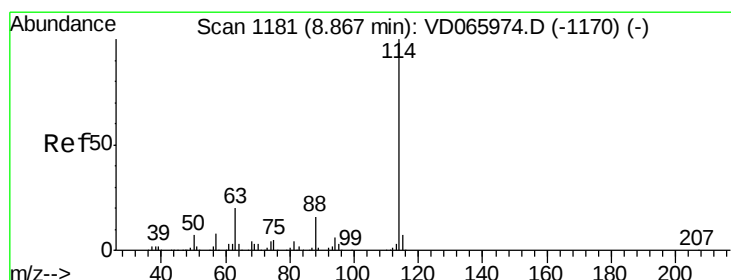
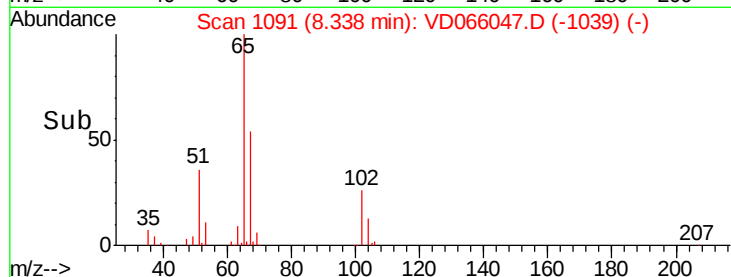
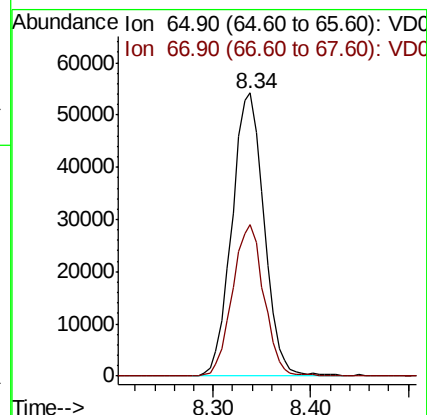
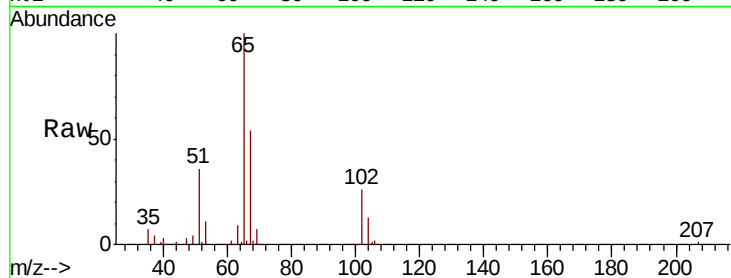
CRT-014

Tot Ion: 65 Resp: 124105

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

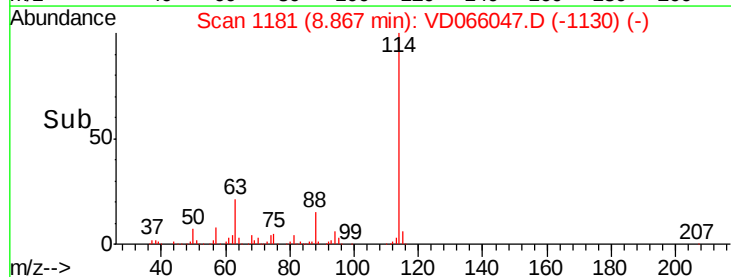
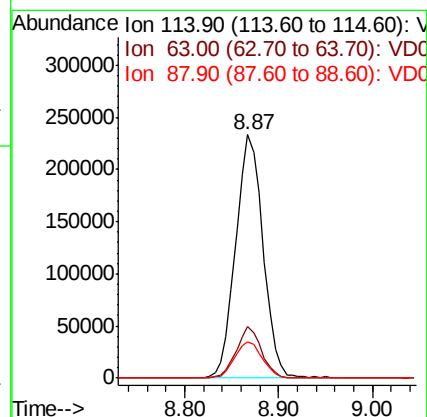
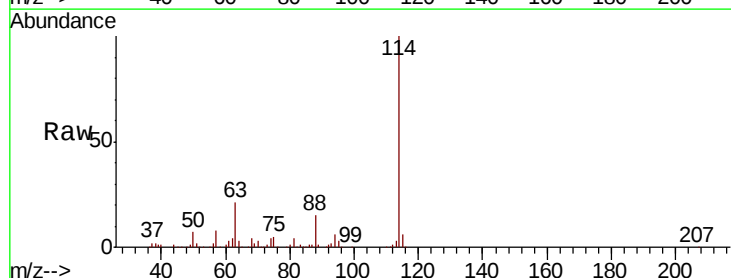
Tgt Ion: 114 Resp: 472230

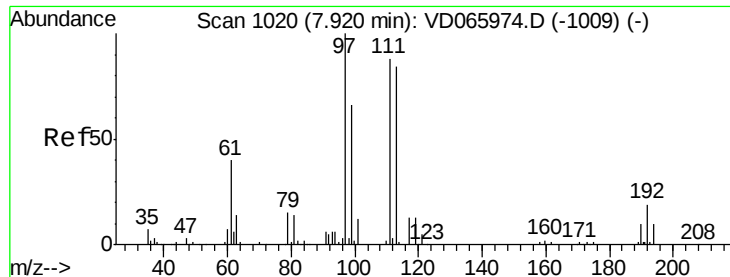
Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.6

88 14.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.178 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

CRT-014

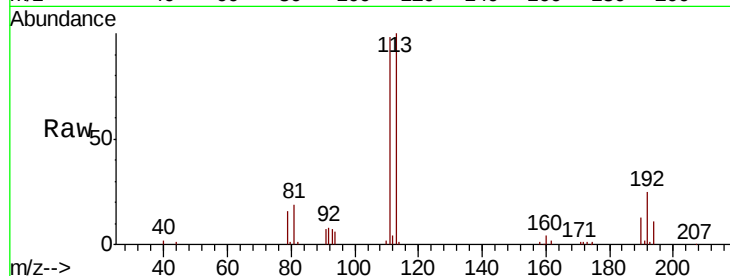
Tot Ion:113 Resp: 143721

Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

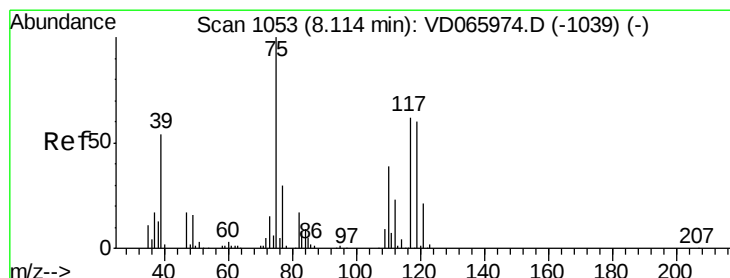
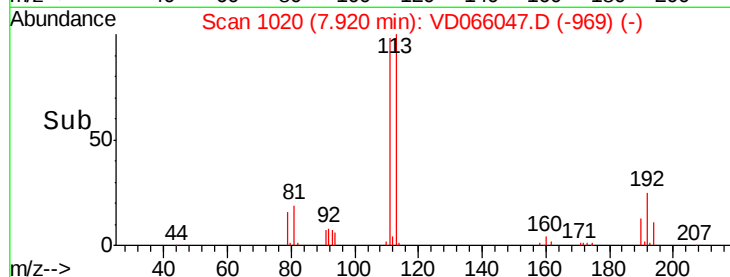
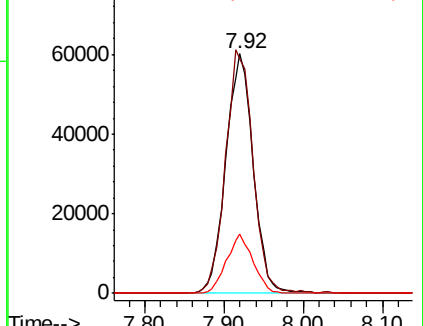
192 24.0 18.7 28.1



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



#36

1,1-Dichloropropene

Concen: 5.154 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

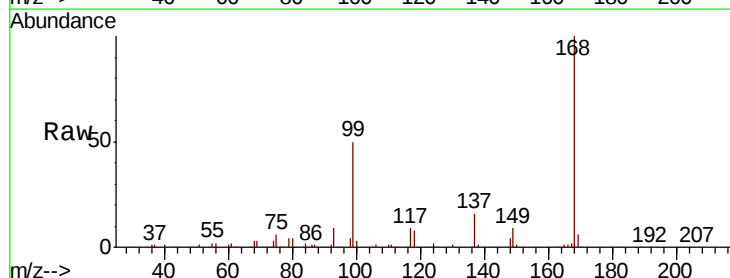
Tgt Ion: 75 Resp: 20772

Ion Ratio Lower Upper

75 100

110 10.0 19.5 58.5#

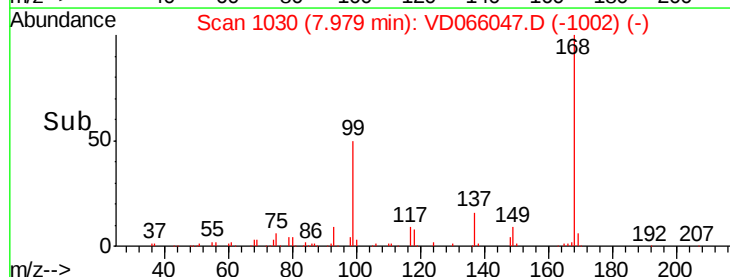
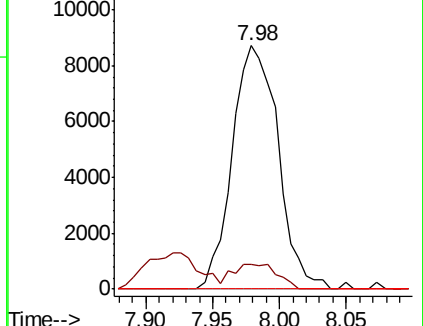
77 0.0 24.7 37.1#

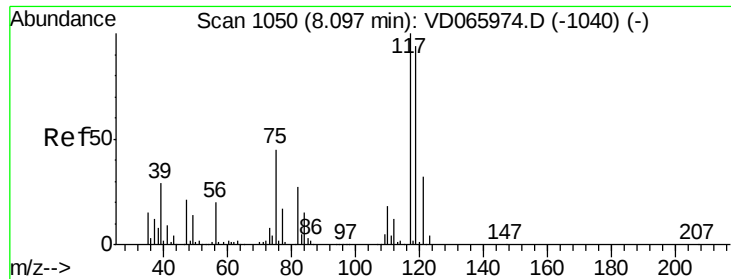


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.565 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

CRT-014

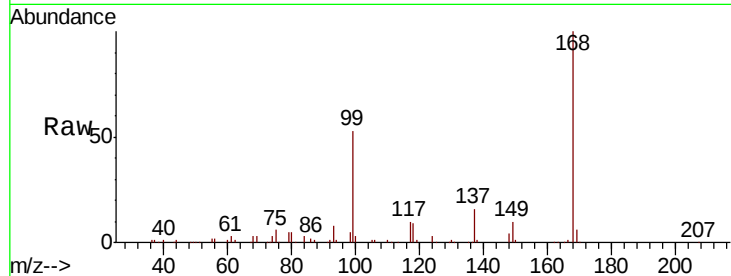
Tot Ion:117 Resp: 28708

Ion Ratio Lower Upper

117 100

119 7.3 75.0 112.6#

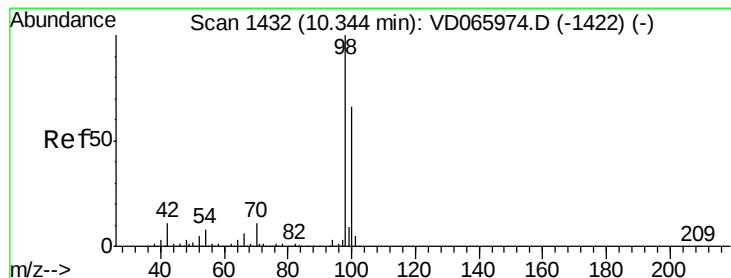
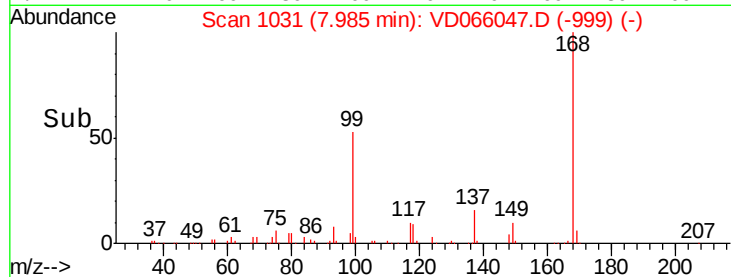
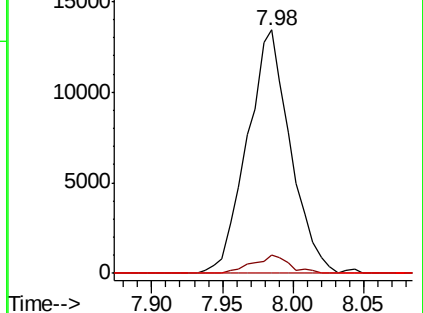
121 0.0 25.5 38.3#



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: 54.051 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD066047.D

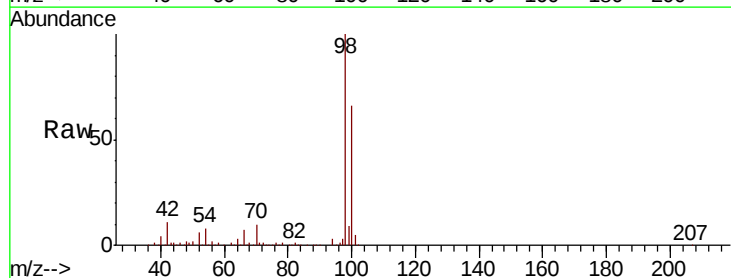
Acq: 24 Jul 2020 15:12

Tgt Ion: 98 Resp: 576723

Ion Ratio Lower Upper

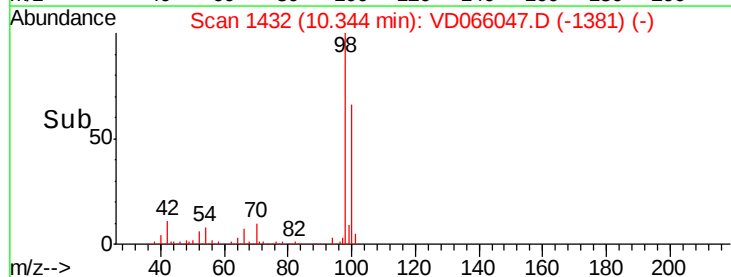
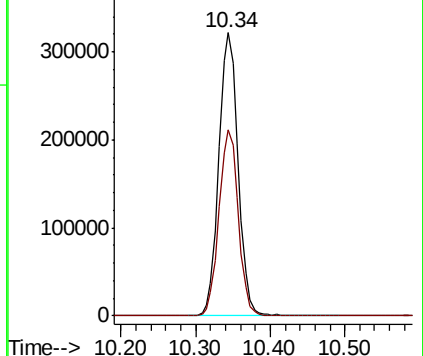
98 100

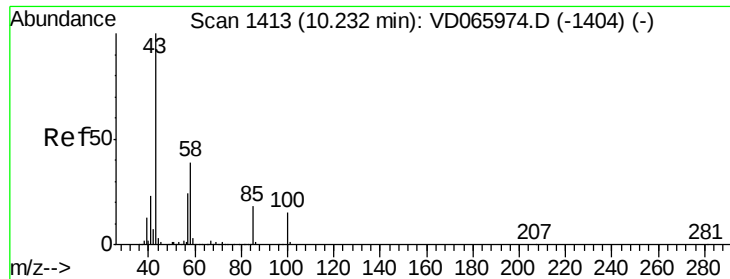
100 66.0 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 1.868 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

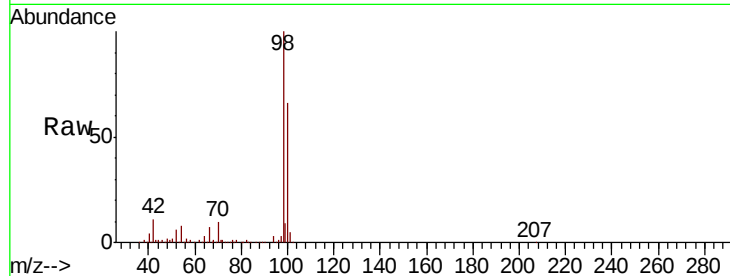
CRT-014

Tot Ion: 43 Resp: 2830

Ion Ratio Lower Upper

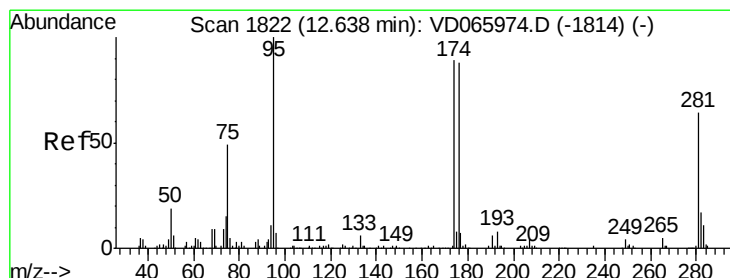
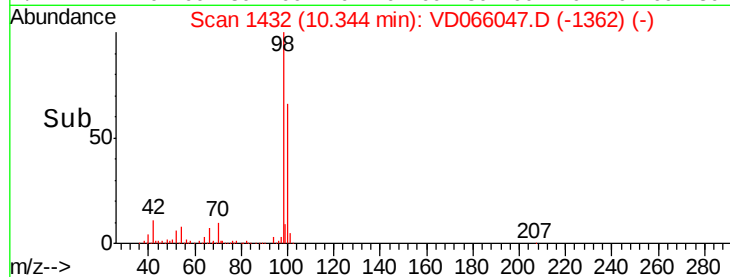
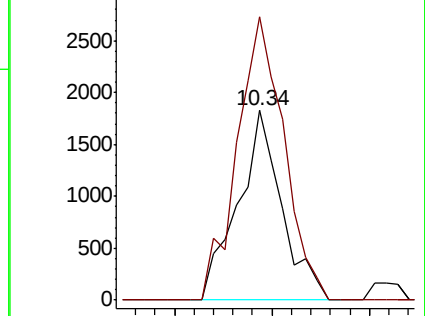
43 100

58 160.1 31.3 46.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 62.679 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

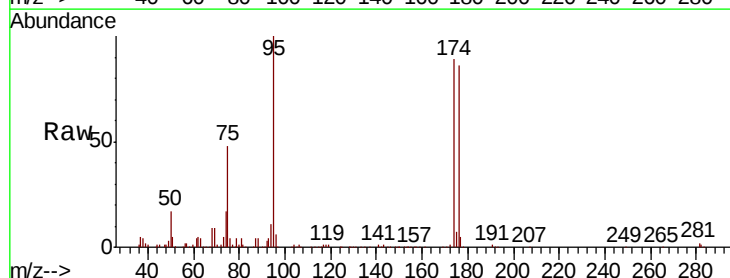
Tgt Ion: 95 Resp: 231893

Ion Ratio Lower Upper

95 100

174 91.9 0.0 178.8

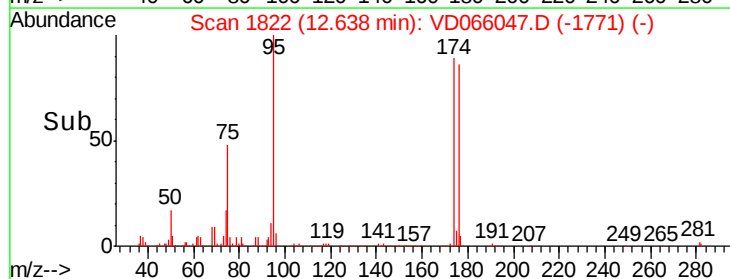
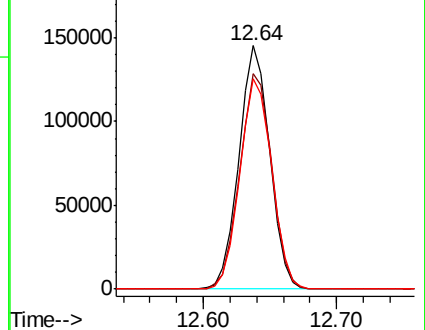
176 89.5 0.0 172.6

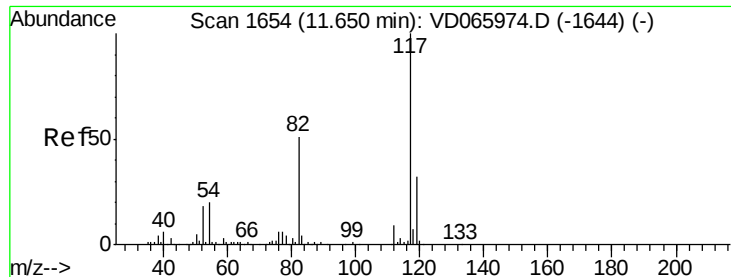


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

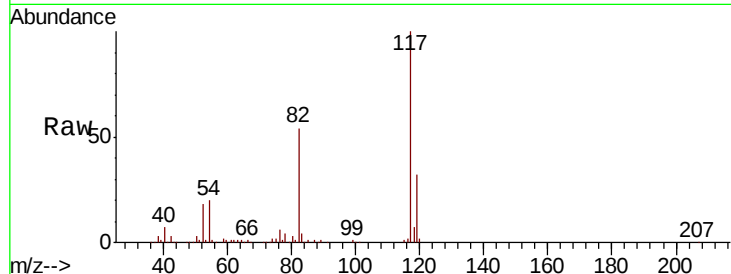




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066047.D
Acq: 24 Jul 2020 15:12

Instrument :
MSVOA_D
ClientSampleId :
CRT-014

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	41.1	61.7
119	31.9	25.9	38.9

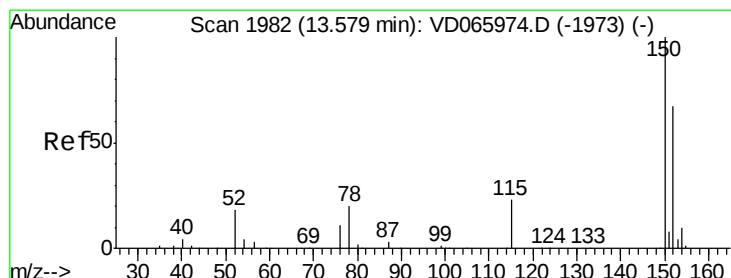
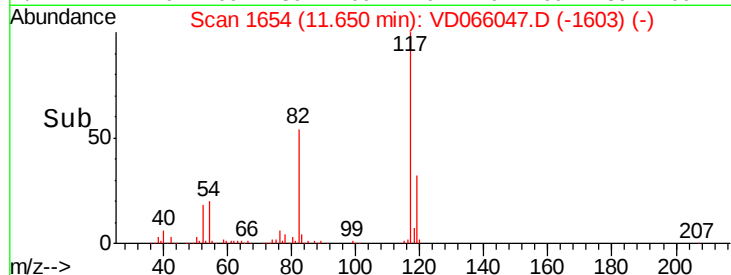
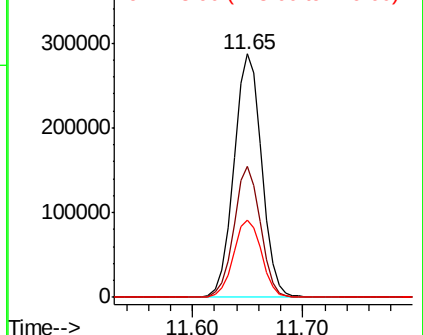


Abundance

Ion 116.90 (116.60 to 117.60): V

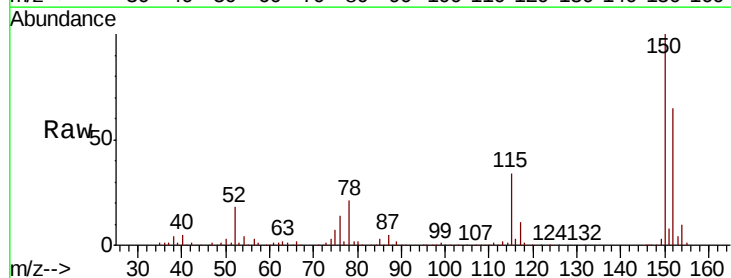
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066047.D
Acq: 24 Jul 2020 15:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.1	27.9	83.7
150	155.3	0.0	348.2

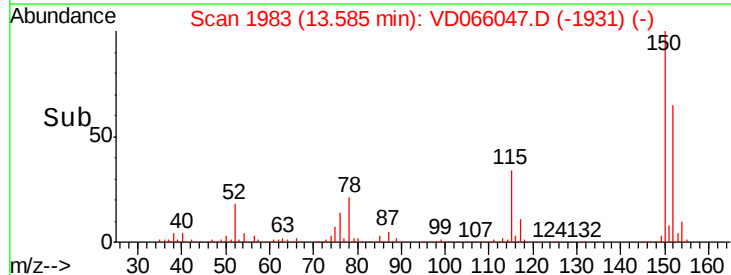
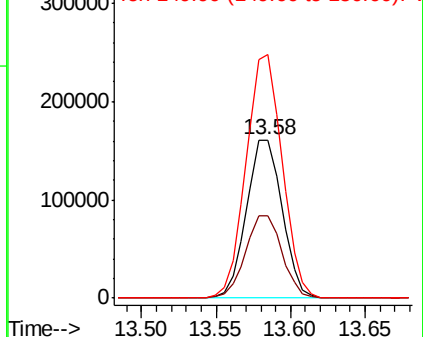


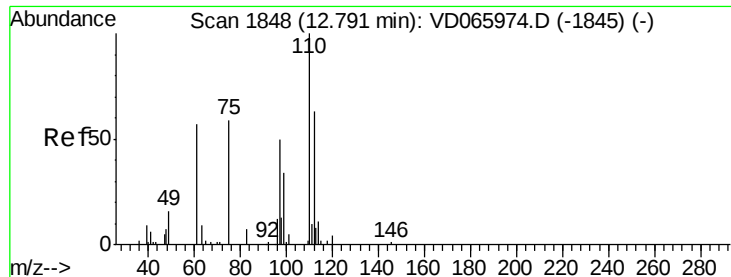
Abundance

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: 56.188 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

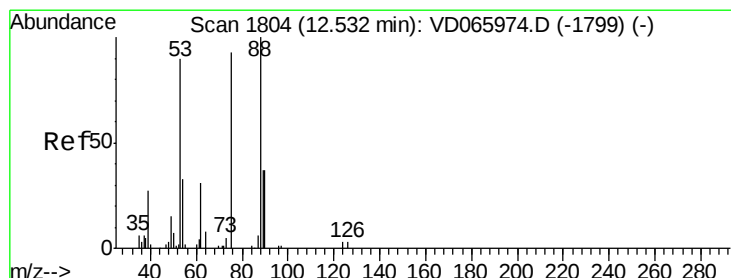
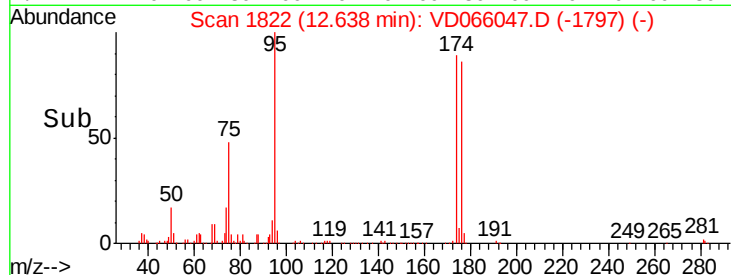
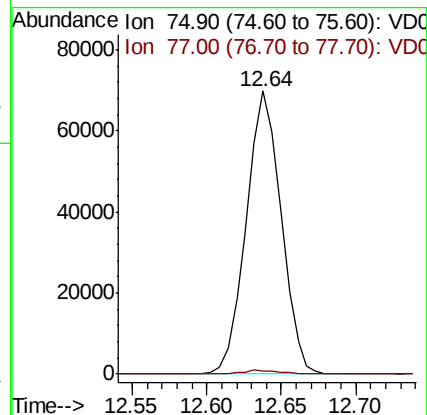
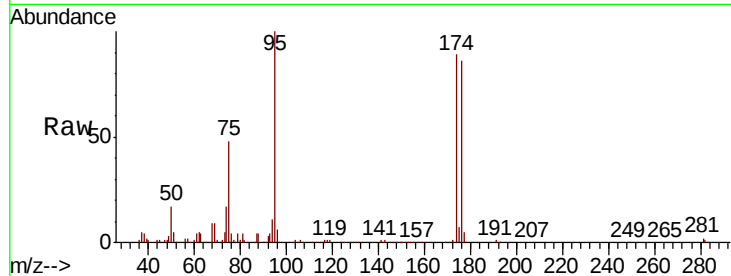
CRT-014

Tot Ion: 75 Resp: 112849

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.933 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

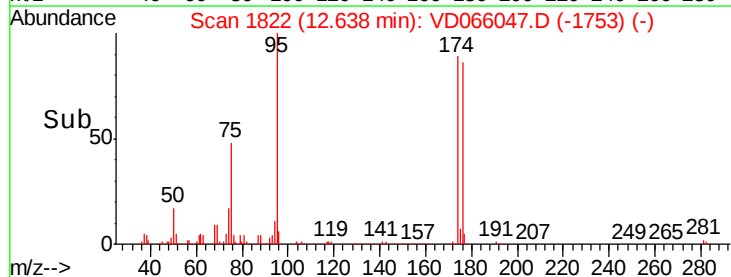
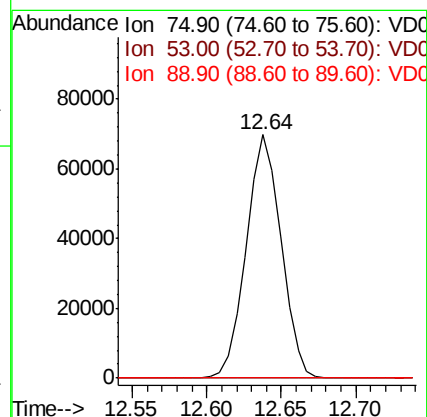
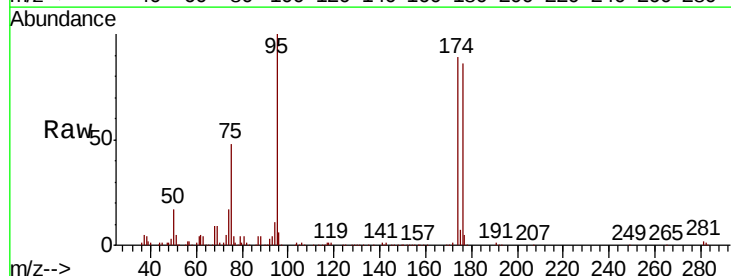
Tgt Ion: 75 Resp: 112849

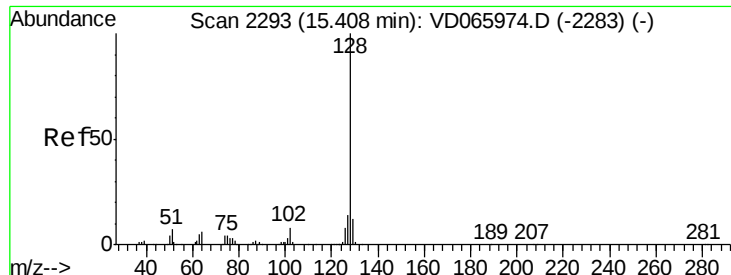
Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.590 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066047.D

Acq: 24 Jul 2020 15:12

Instrument :

MSVOA_D

ClientSampleId :

CRT-014

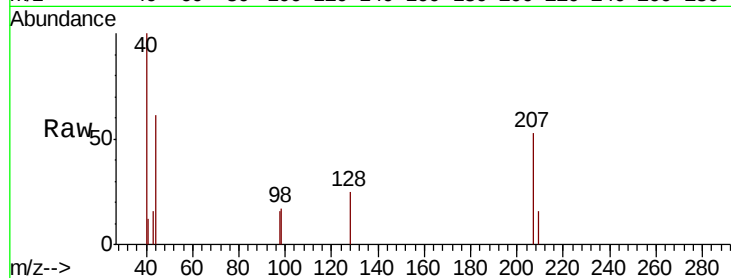
Tot Ion:128 Resp: 386

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 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

