

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066046.D
 Acq On : 24 Jul 2020 14:44
 Operator : VA/SY
 Sample : L3383-21
 Misc : 7.88G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT-015

Quant Time: Jul 24 23:53:43 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	306955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	467520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	262895	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	119805	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
35) Dibromofluoromethane	7.91	113	140501	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
50) Toluene-d8	10.34	98	573067	54.25	ug/l	0.00
Spiked Amount			Recovery	=	108.50%	
62) 4-Bromofluorobenzene	12.64	95	226061	61.72	ug/l	0.00
Spiked Amount			Recovery	=	123.44%	

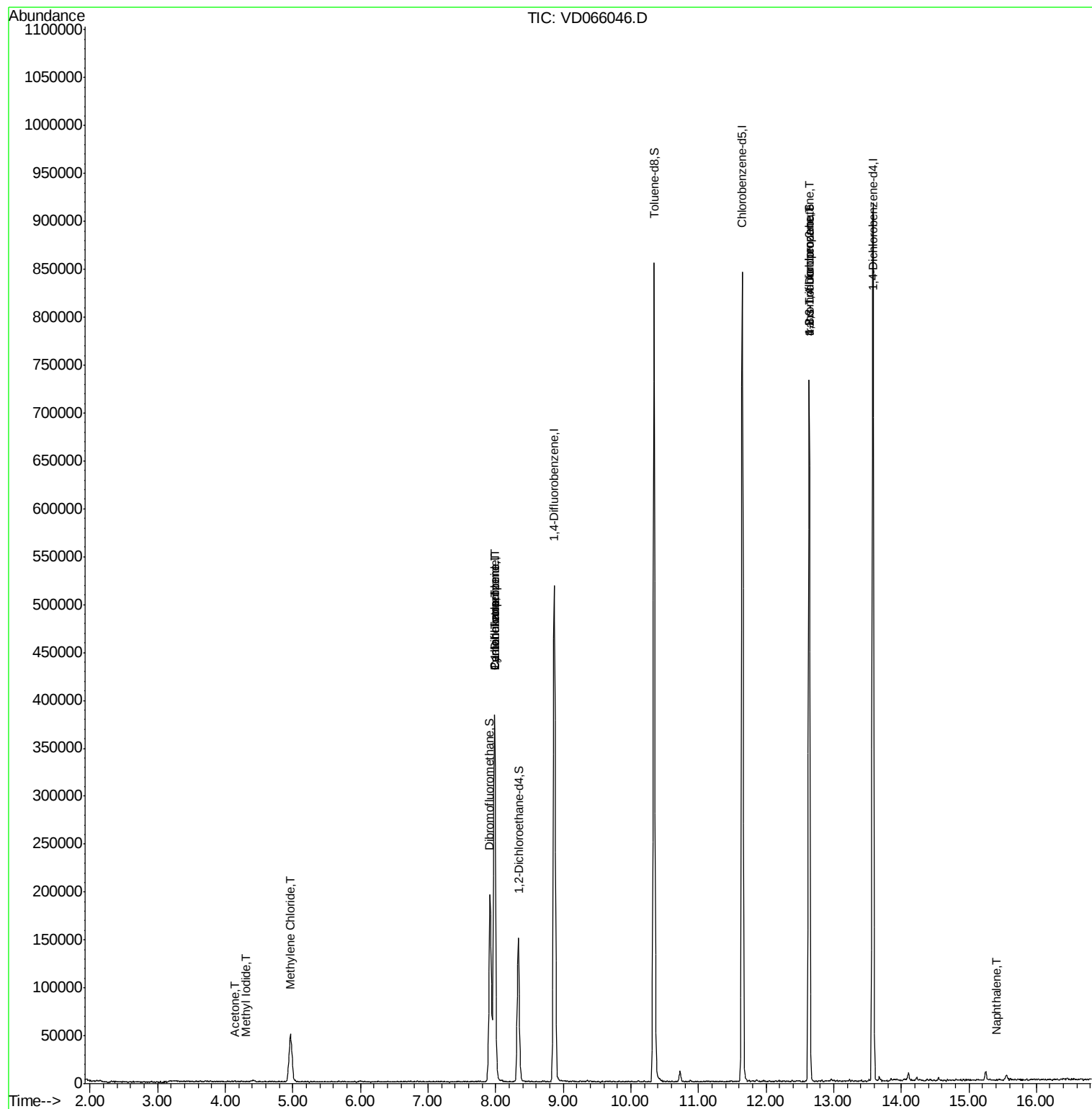
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.78	94	63	Below Cal	#	4
10) Methyl Iodide	4.30	142	73	8.835	ug/l #	42
11) Tert butyl alcohol	5.20	59	65	Below Cal	#	83
16) Acetone	4.15	43	699	1.383	ug/l #	42
20) Methylene Chloride	4.96	84	38752	11.584	ug/l	94
31) Cyclohexane	7.98	56	5880	1.309	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	19653	4.925	ug/l #	50
38) Carbon Tetrachloride	7.98	117	28204	6.515	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	110922	56.036	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110922	128.584	ug/l #	11
95) Naphthalene	15.41	128	308	3.581	ug/l #	68

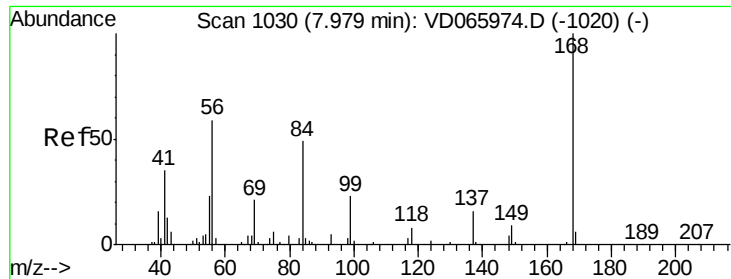
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
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CRT-015

Quant Time: Jul 24 23:53:43 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# 1031

Delta R.T. 0.01 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

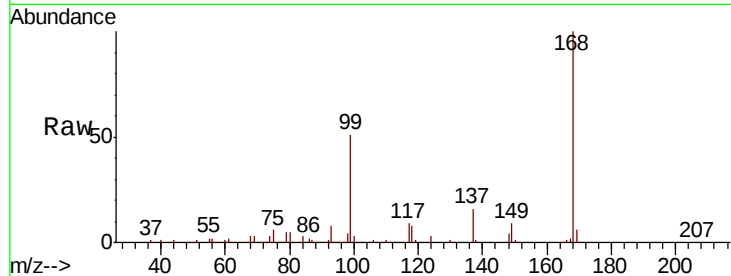
CRT-015

Tot Ion:168 Resp: 306955

Ion Ratio Lower Upper

168 100

99 50.9 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

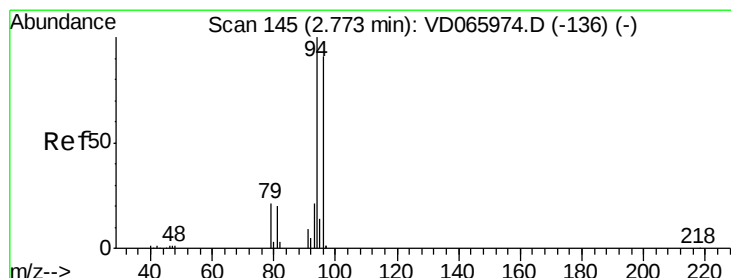
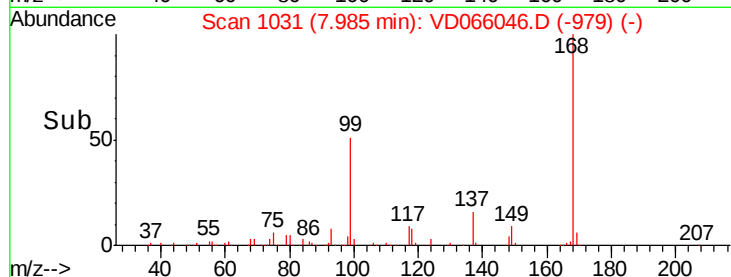
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD066046.D

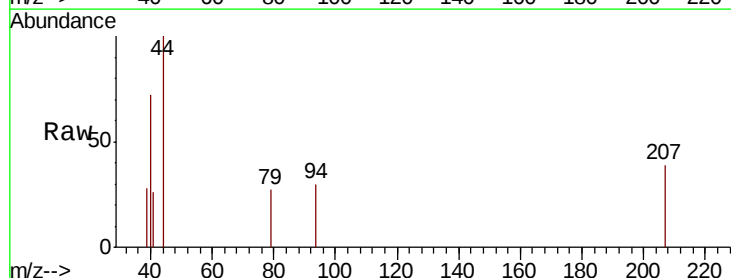
Acq: 24 Jul 2020 14:44

Tgt Ion: 94 Resp: 63

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

300

250

200

150

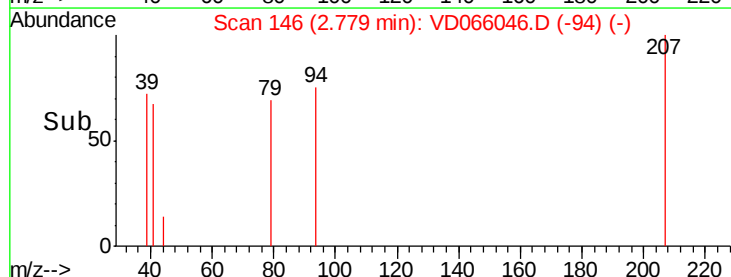
100

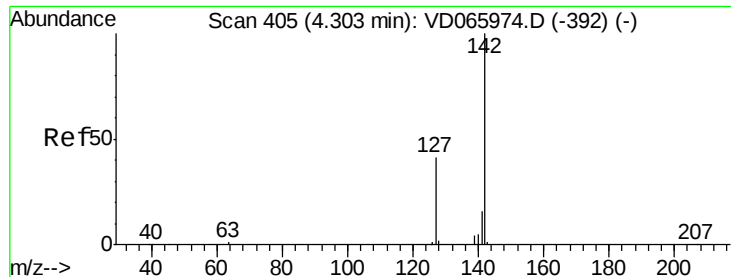
50

0

Time-->

2.76 2.77 2.78 2.79





#10

Methyl Iodide

Concen: 8.835 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

CRT-015

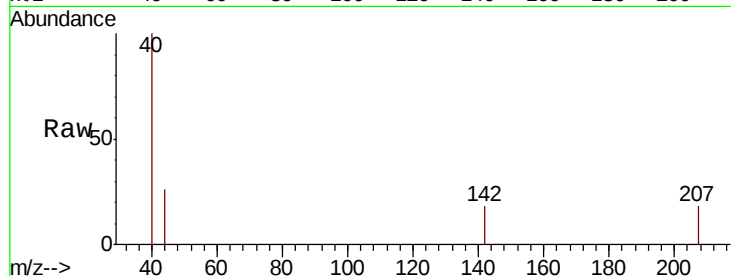
Tot Ion:142 Resp: 73

Ion Ratio Lower Upper

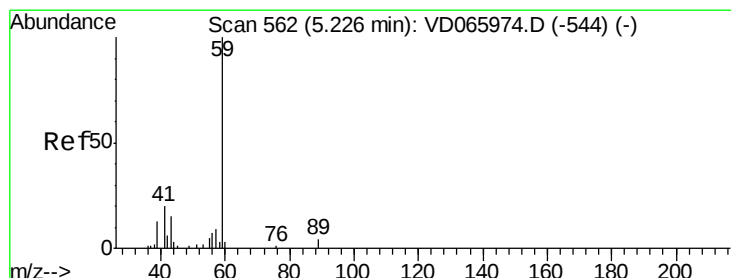
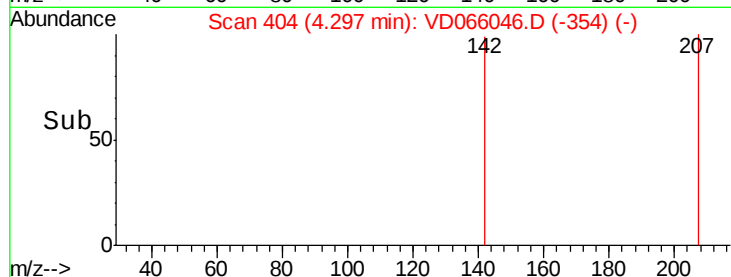
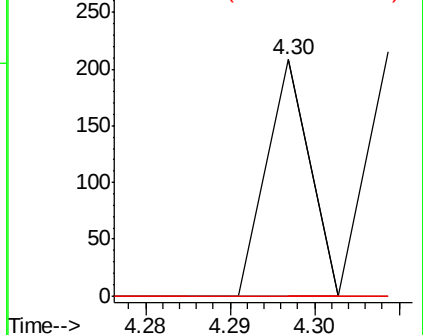
142 100

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



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD066046.D

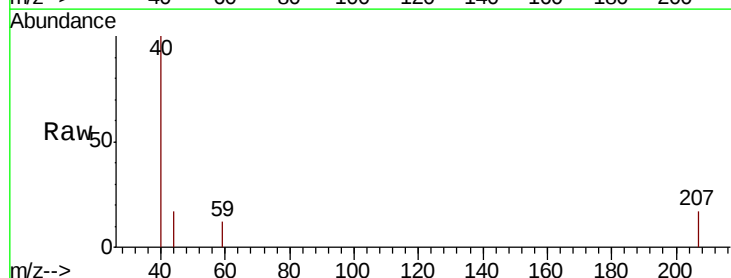
Acq: 24 Jul 2020 14:44

Tgt Ion: 59 Resp: 65

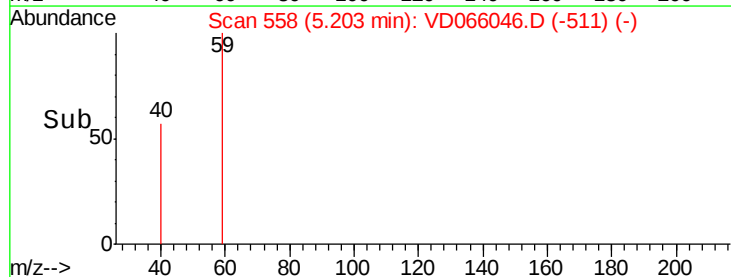
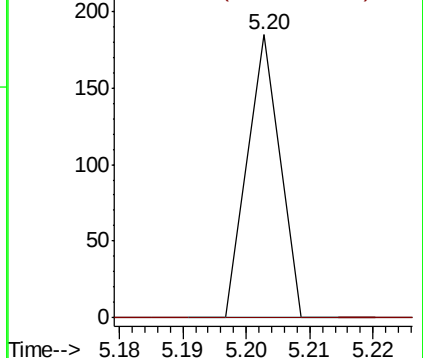
Ion Ratio Lower Upper

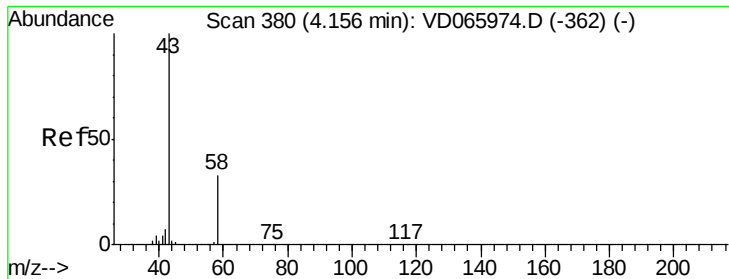
59 100

57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#16

Acetone

Concen: 1.383 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

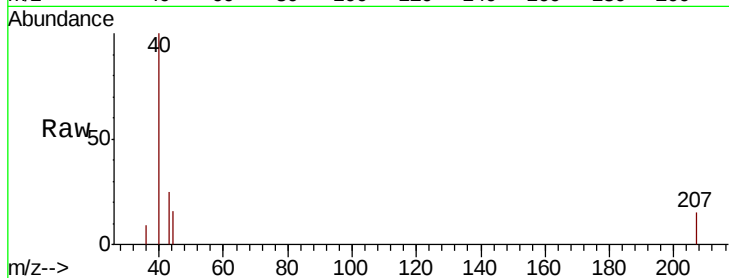
CRT-015

Tot Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

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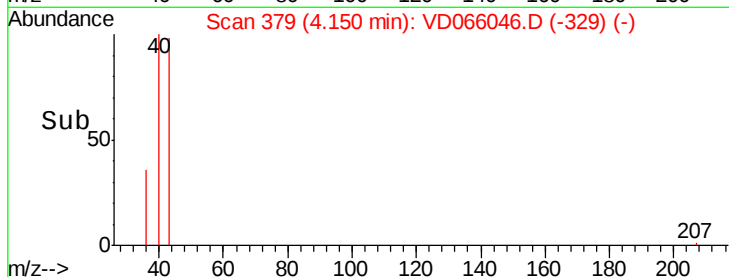
4.15

4.15

4.15

4.15

4.15



#20

Methylene Chloride

Concen: 11.584 ug/l

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

Tgt Ion: 84 Resp: 38752

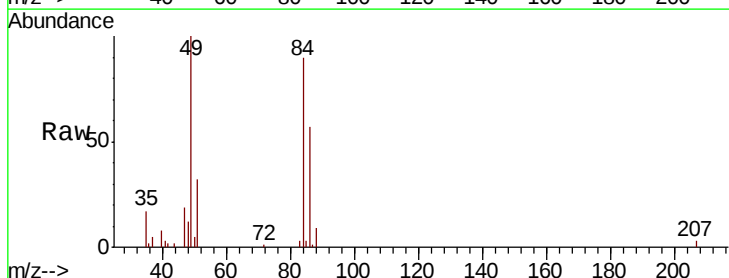
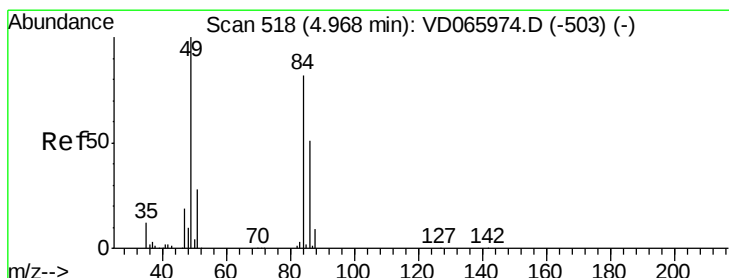
Ion Ratio Lower Upper

84 100

49 111.7 97.7 146.5

51 35.6 27.4 41.2

86 63.7 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

4.96

4.96

4.96

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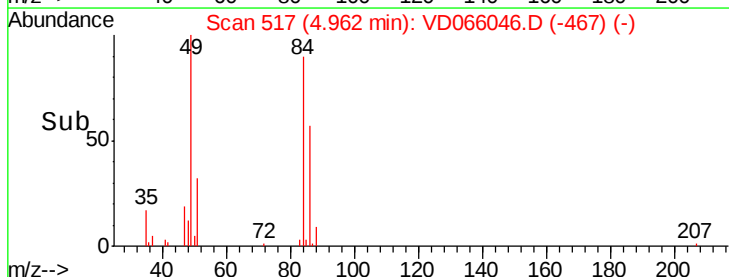
4.96

4.96

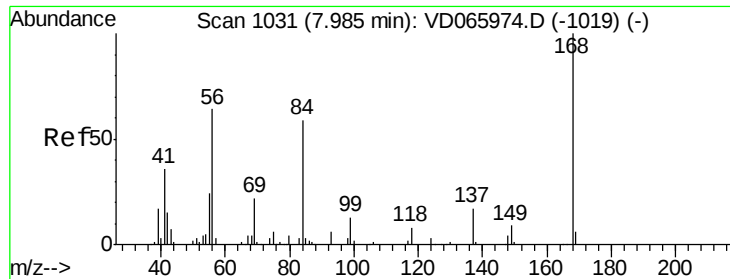
4.96

4.96

4.96



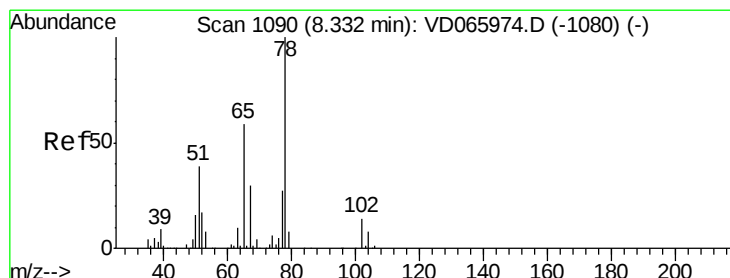
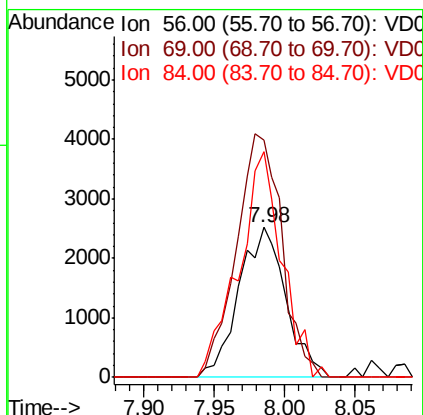
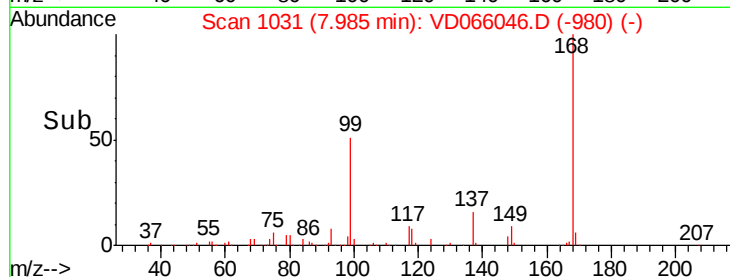
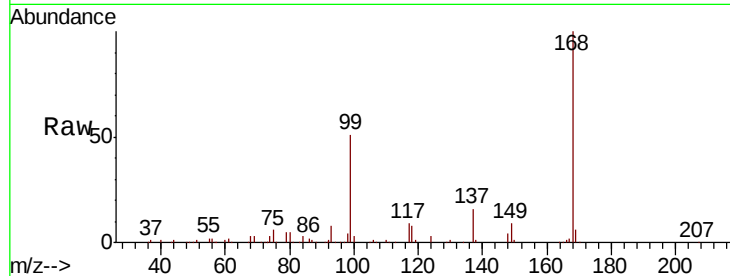
Time-->



#31
Cyclohexane
Concen: 1.309 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD066046.D
Acq: 24 Jul 2020 14:44

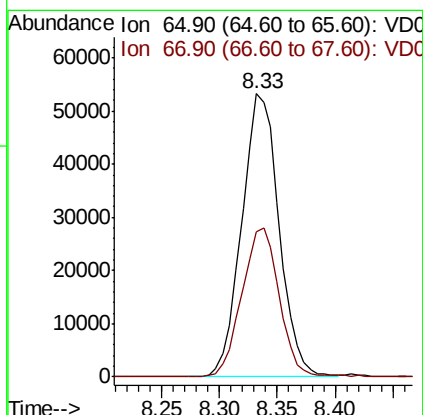
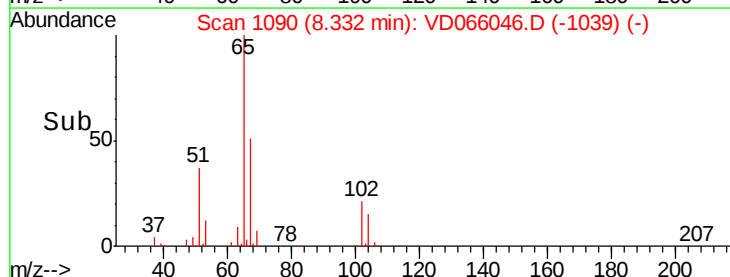
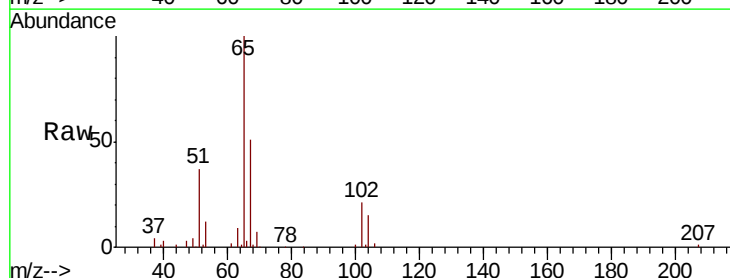
Instrument :
MSVOA_D
ClientSampleID :
CRT-015

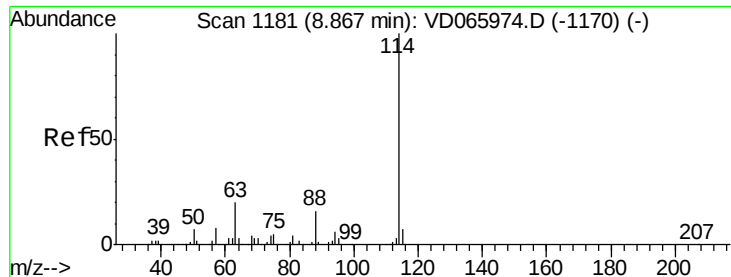
Tot Ion: 56 Resp: 5880
Ion Ratio Lower Upper
56 100
69 158.8 28.0 42.0#
84 150.5 72.6 109.0#



#33
1,2-Dichloroethane-d4
Concen: 47.967 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066046.D
Acq: 24 Jul 2020 14:44

Tgt Ion: 65 Resp: 119805
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.0

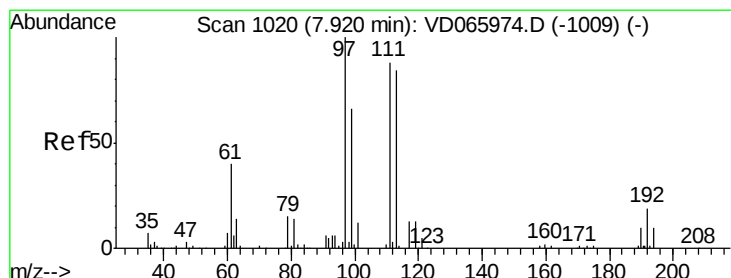
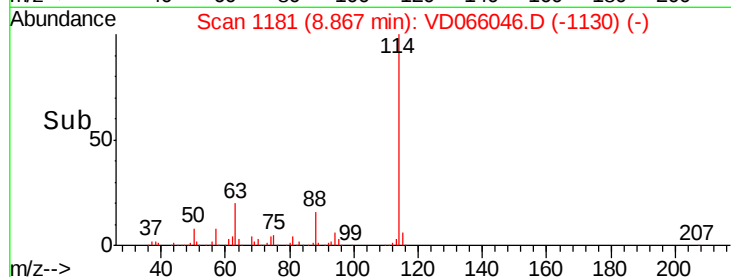
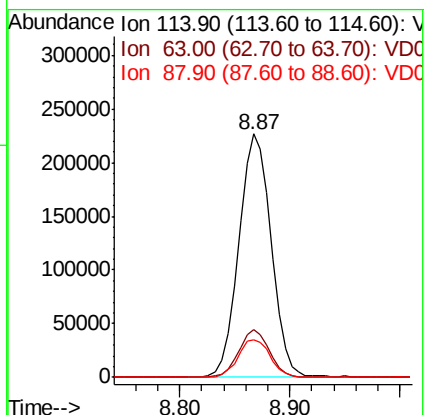
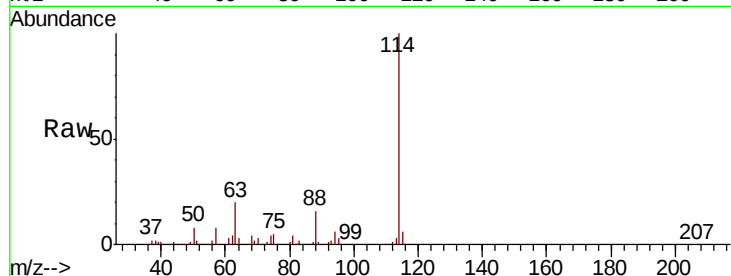




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD066046.D
Acq: 24 Jul 2020 14:44

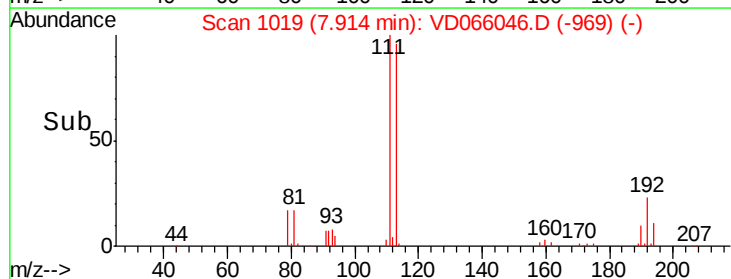
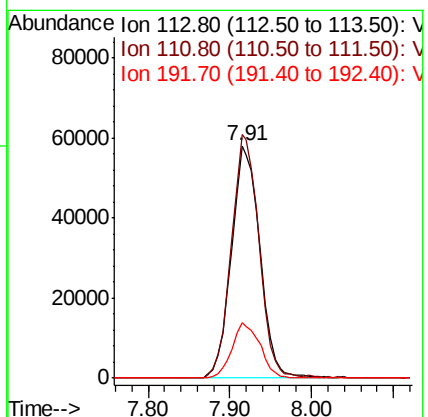
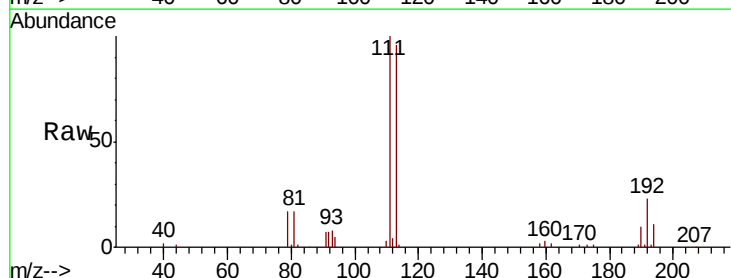
Instrument :
MSVOA_D
ClientSampleId :
CRT-015

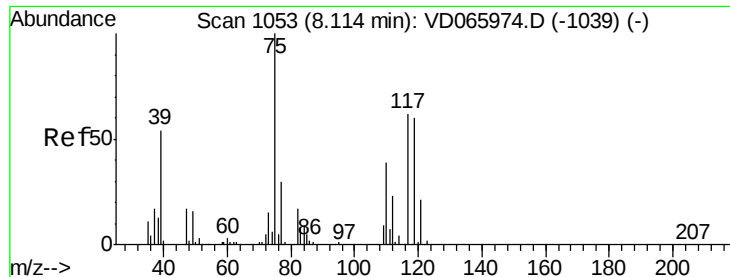
Tot Ion:114 Resp: 467520
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.6
88 15.6 0.0 31.2



#35
Dibromofluoromethane
Concen: 49.548 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066046.D
Acq: 24 Jul 2020 14:44

Tgt Ion:113 Resp: 140501
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 23.7 18.7 28.1





#36

1,1-Dichloropropene

Concen: 4.925 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

CRT-015

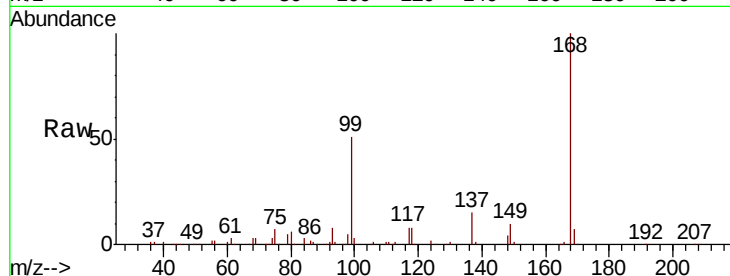
Tot Ion: 75 Resp: 19653

Ion Ratio Lower Upper

75 100

110 11.3 19.5 58.5#

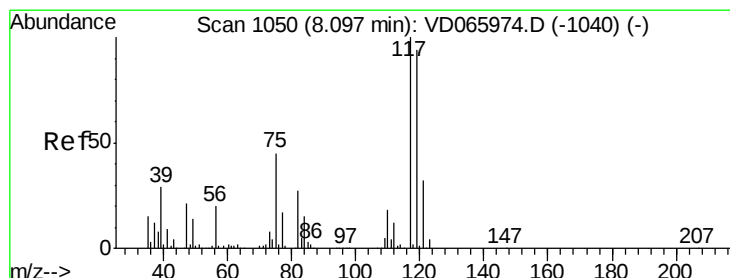
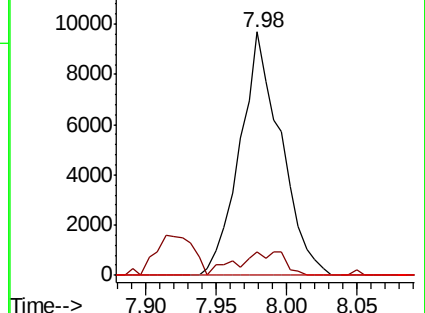
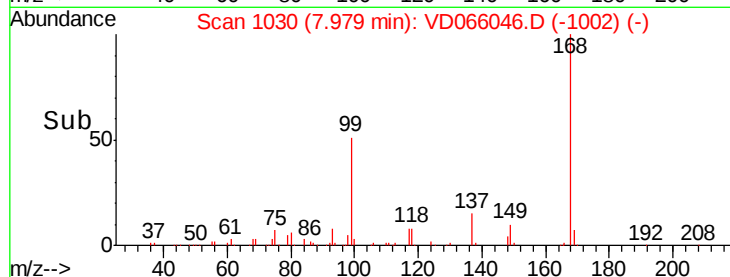
77 0.0 24.7 37.1#



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: 6.515 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

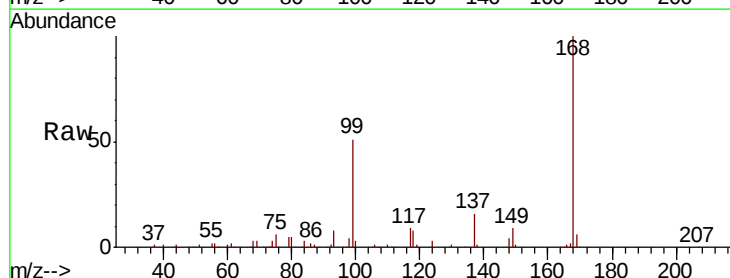
Tgt Ion: 117 Resp: 28204

Ion Ratio Lower Upper

117 100

119 8.4 75.0 112.6#

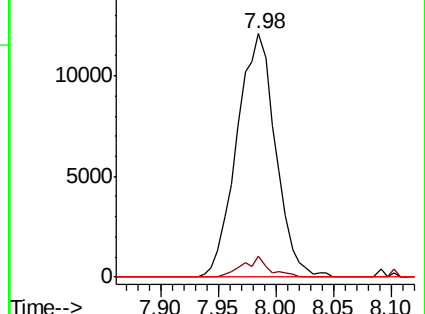
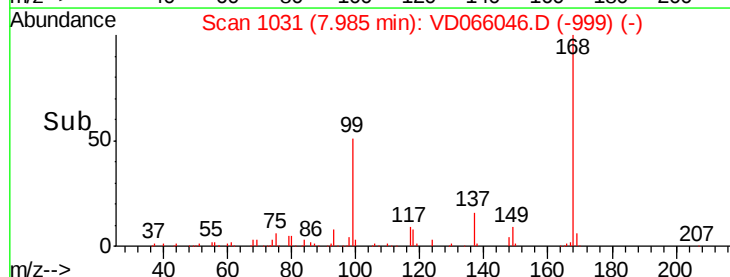
121 0.0 25.5 38.3#

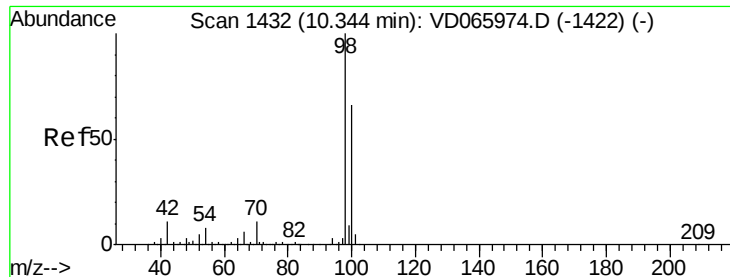


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.249 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

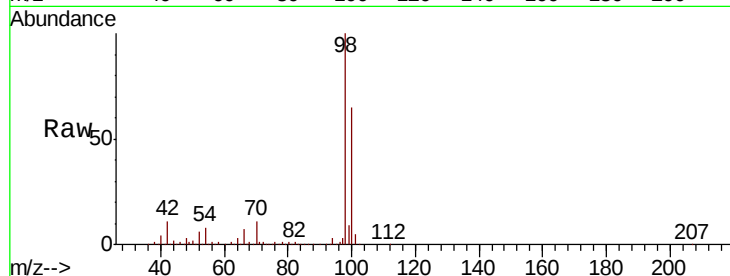
CRT-015

Tot Ion: 98 Resp: 573067

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

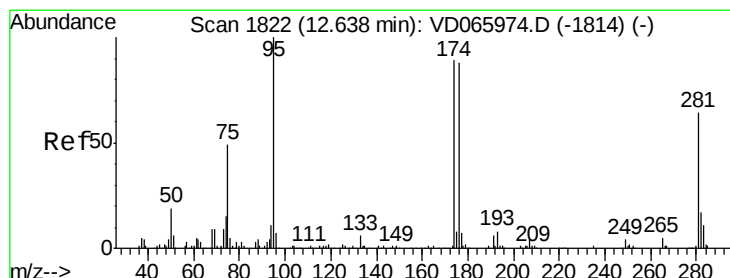
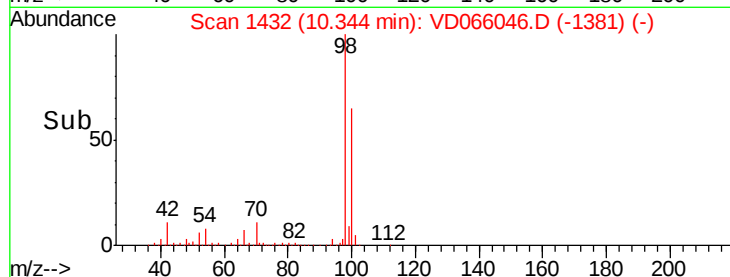
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 61.718 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066046.D

Acq: 24 Jul 2020 14:44

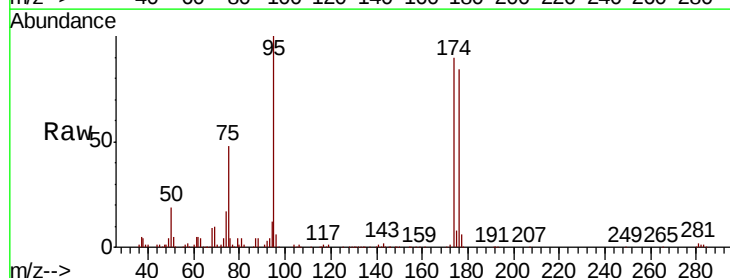
Tgt Ion: 95 Resp: 226061

Ion Ratio Lower Upper

95 100

174 94.0 0.0 178.8

176 89.2 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

200000

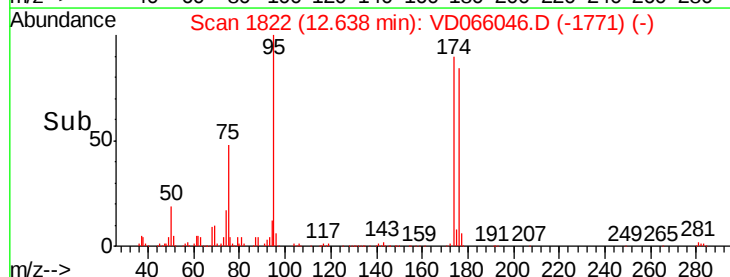
150000

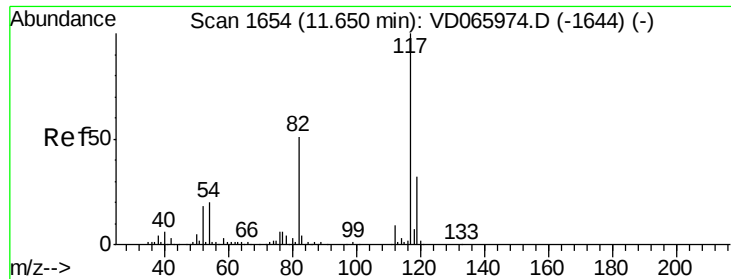
100000

50000

0

Time-->

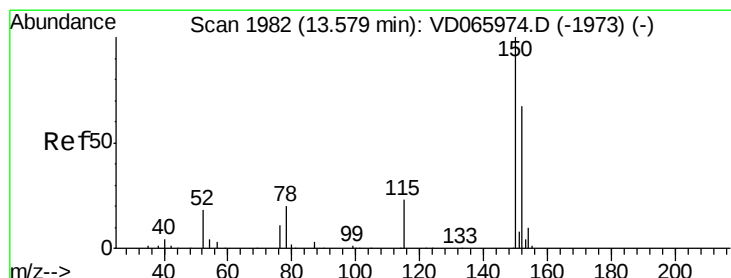
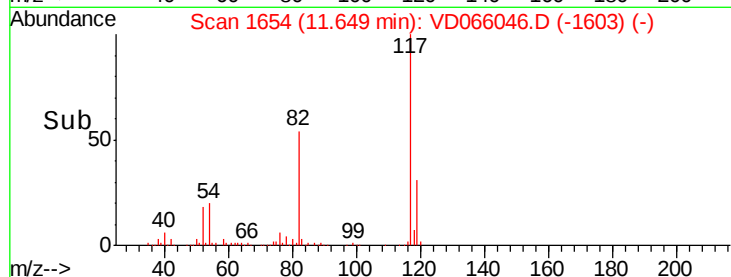
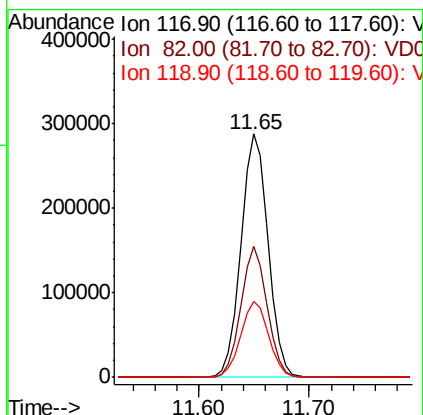
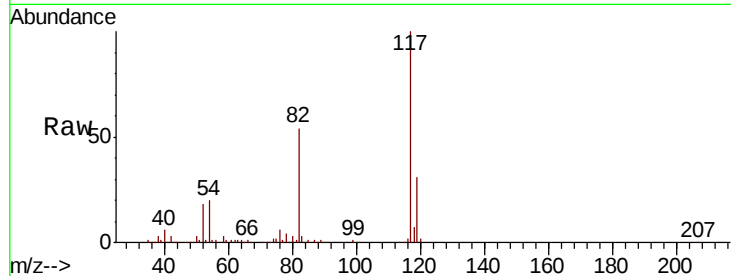




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066046.D
Acq: 24 Jul 2020 14:44

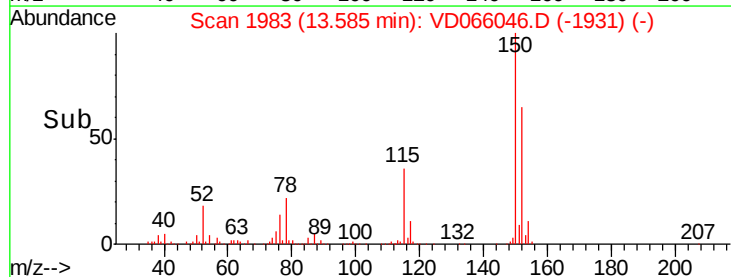
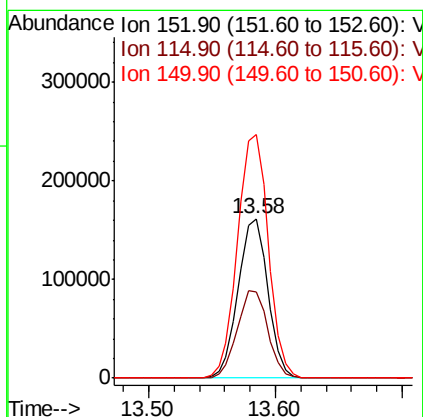
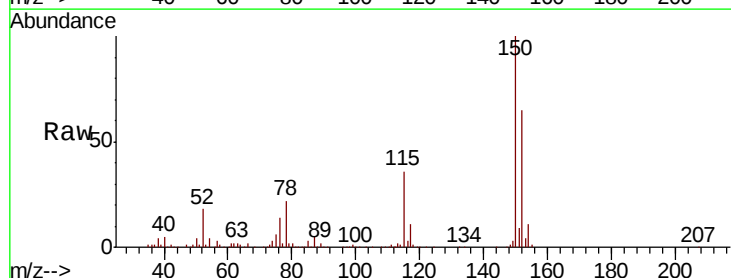
Instrument :
MSVOA_D
ClientSampleId :
CRT-015

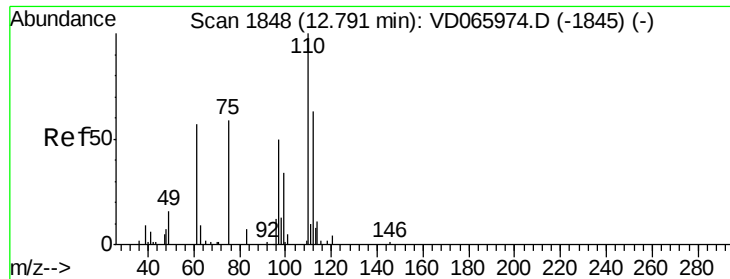
Tot Ion:117 Resp: 497023
Ion Ratio Lower Upper
117 100
82 53.7 41.1 61.7
119 31.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066046.D
Acq: 24 Jul 2020 14:44

Tgt Ion:152 Resp: 262895
Ion Ratio Lower Upper
152 100
115 56.3 27.9 83.7
150 157.8 0.0 348.2

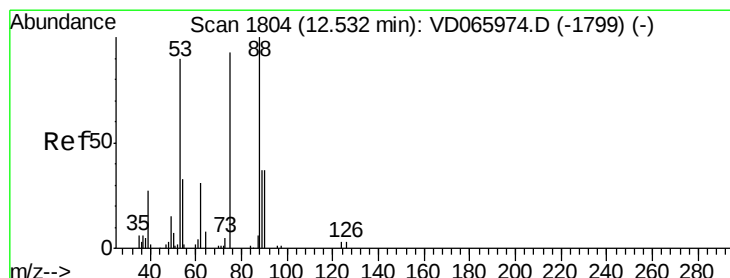
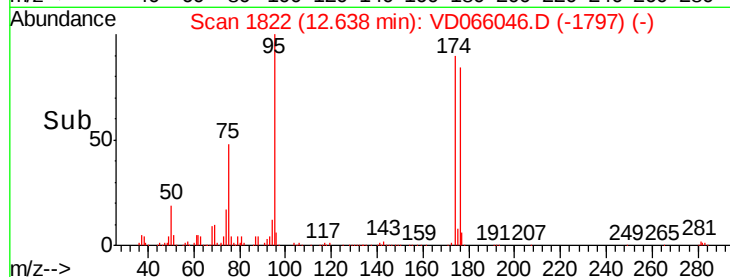
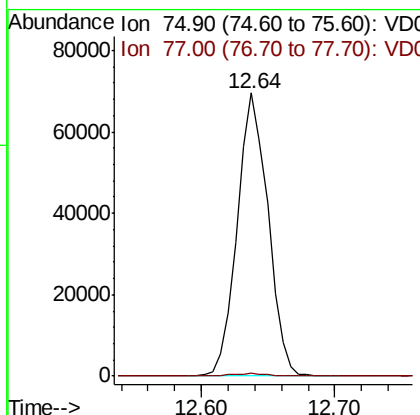
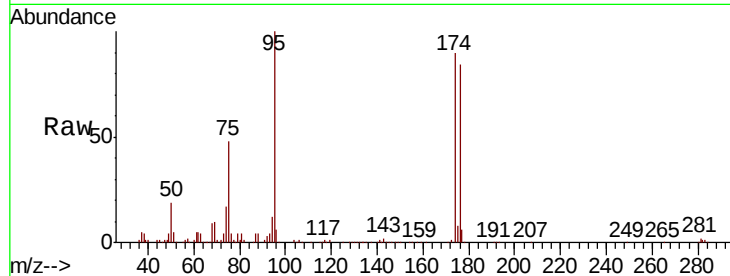




#76
 1,2,3-Trichloropropane
 Concen: 56.036 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066046.D
 Acq: 24 Jul 2020 14:44

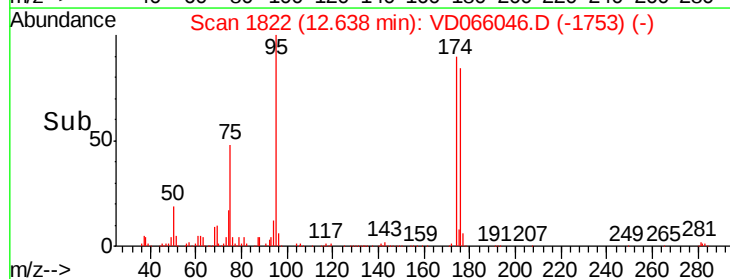
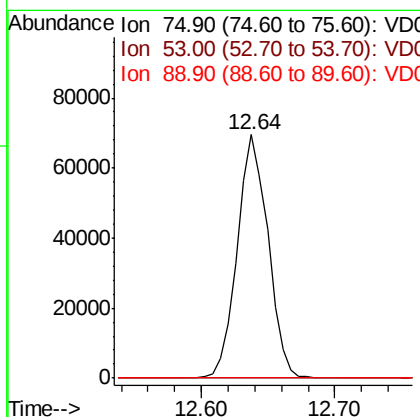
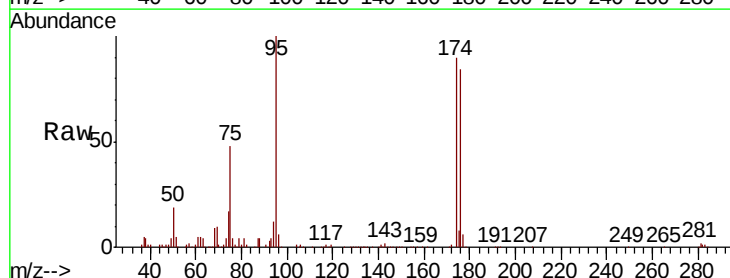
Instrument :
 MSVOA_D
 ClientSampleId :
 CRT-015

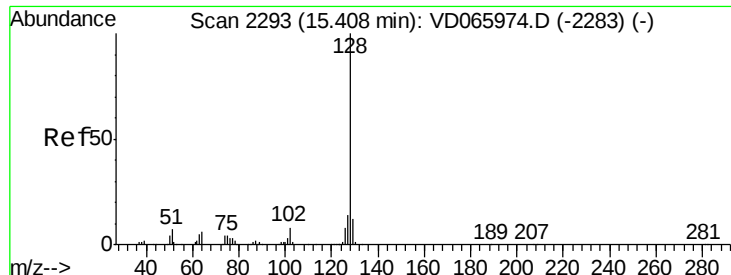
Tot Ion: 75 Resp: 110922
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.584 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066046.D
 Acq: 24 Jul 2020 14:44

Tgt Ion: 75 Resp: 110922
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.8 115.2#
 89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.581 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066046.D

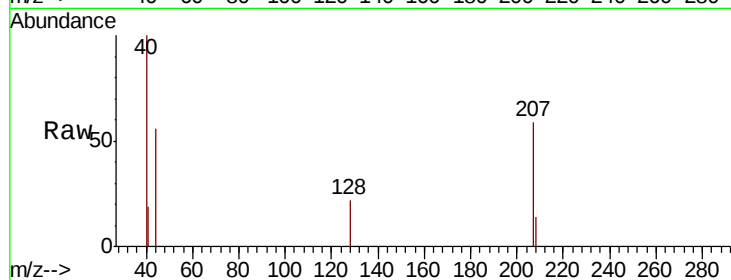
Acq: 24 Jul 2020 14:44

Instrument :

MSVOA_D

ClientSampleId :

CRT-015



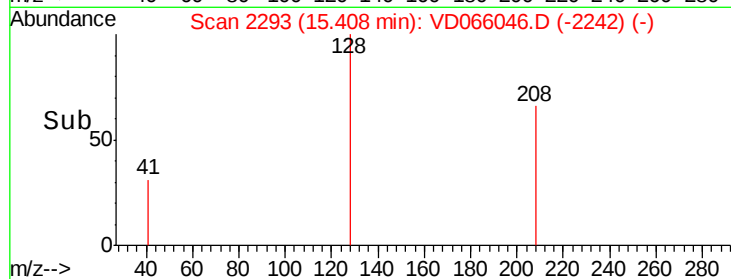
Tot Ion:128 Resp: 308

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

