

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066045.D
 Acq On : 24 Jul 2020 14:17
 Operator : VA/SY
 Sample : L3383-17
 Misc : 8.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CRT-008

Quant Time: Jul 24 23:53:32 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	309015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	473498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	501285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268069	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	121186	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	7.92	113	140494	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.34	98	576303	53.87	ug/l	0.00
Spiked Amount			Recovery	=	107.74%	
62) 4-Bromofluorobenzene	12.64	95	224584	60.54	ug/l	0.00
Spiked Amount			Recovery	=	121.08%	

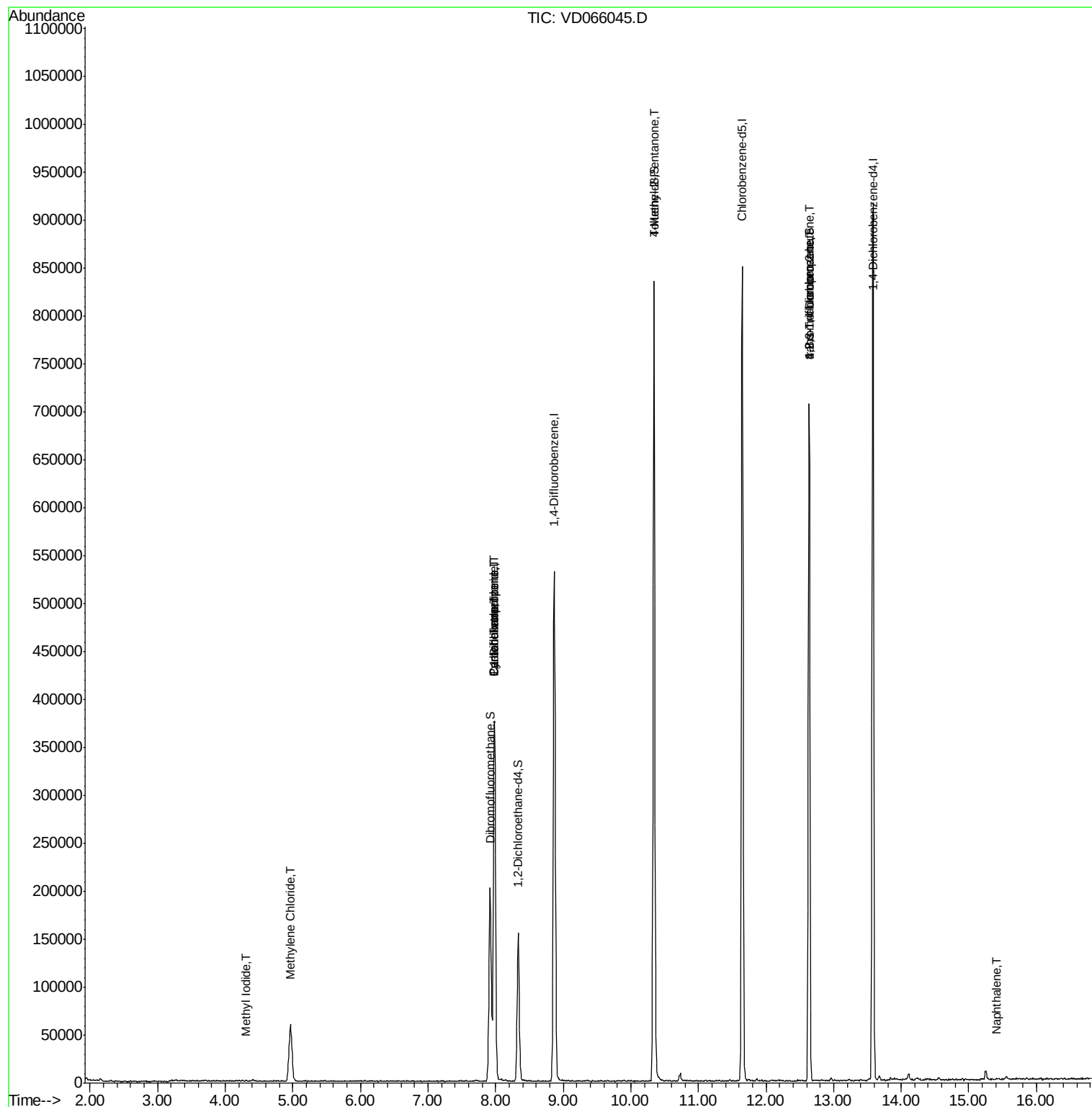
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	53	Below Cal	#	4
10) Methyl Iodide	4.30	142	147	8.857	ug/l #	42
20) Methylene Chloride	4.96	84	44499	13.657	ug/l	94
31) Cyclohexane	7.99	56	5878	1.300	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	21478	5.315	ug/l #	47
38) Carbon Tetrachloride	7.98	117	27910	6.365	ug/l #	15
51) 4-Methyl-2-Pentanone	10.35	43	2311	1.522	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	112908	55.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112908	128.360	ug/l #	11
95) Naphthalene	15.40	128	493	3.601	ug/l #	68

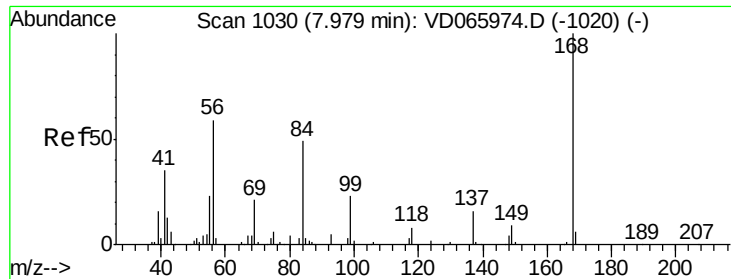
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066045.D

Acq: 24 Jul 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

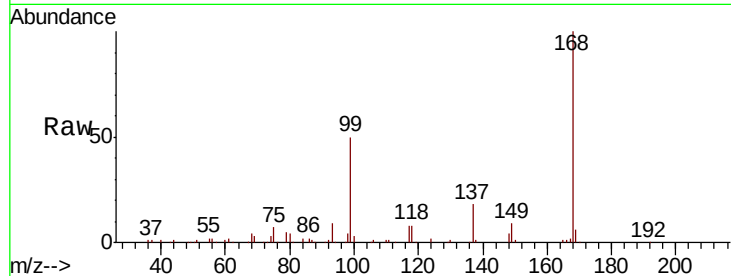
CRT-008

Tot Ion:168 Resp: 309015

Ion Ratio Lower Upper

168 100

99 50.3 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

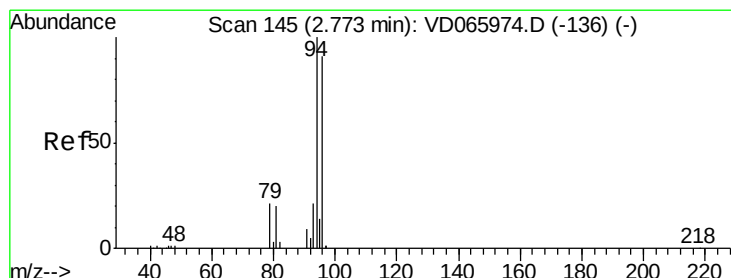
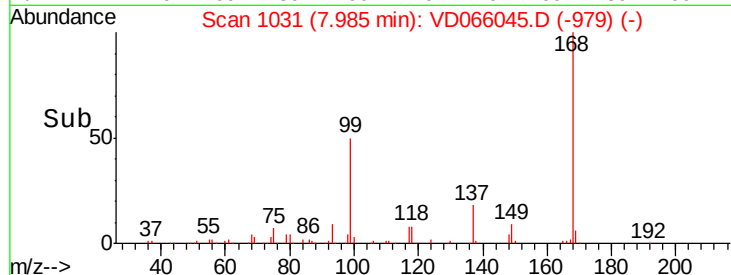
100000

50000

0

Time-->

7.90 8.00 8.10



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066045.D

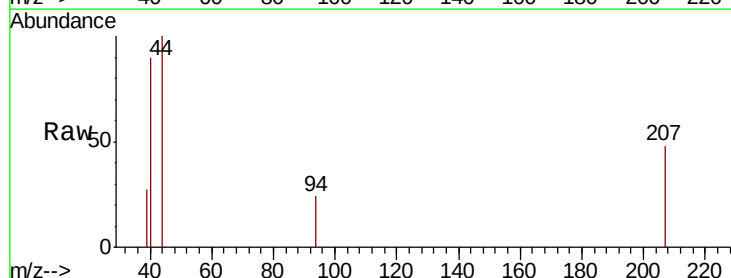
Acq: 24 Jul 2020 14:17

Tgt Ion: 94 Resp: 53

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

2.77

300

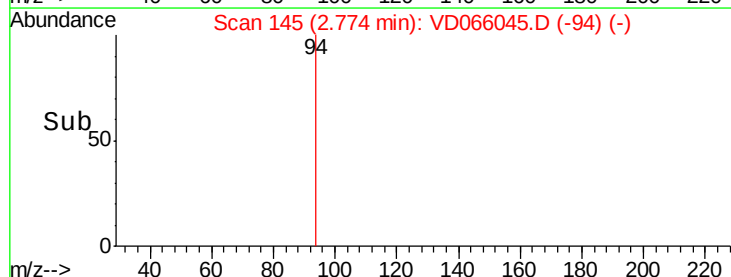
200

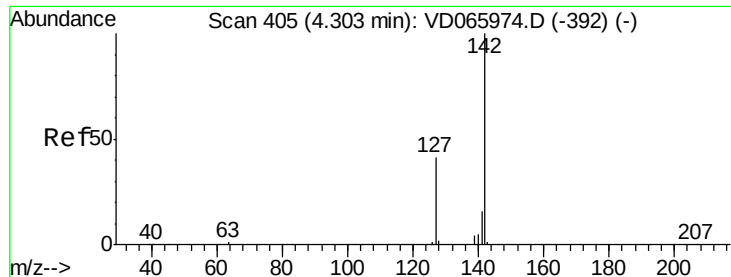
100

0

Time-->

2.76 2.77 2.78 2.79

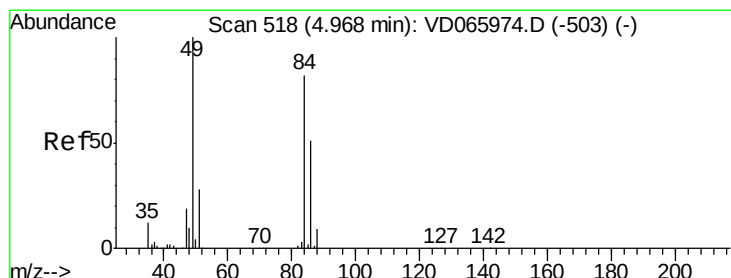
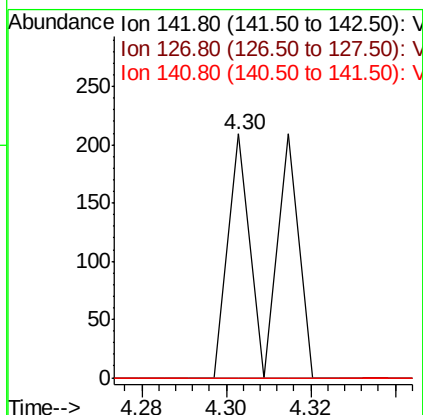
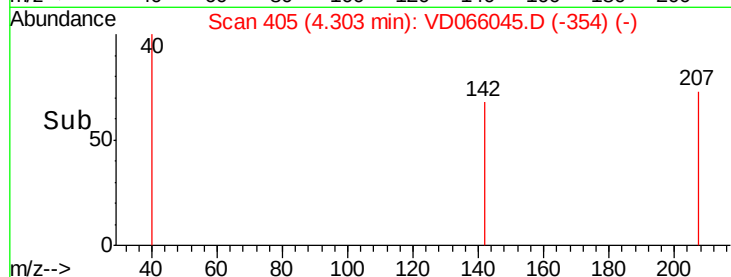
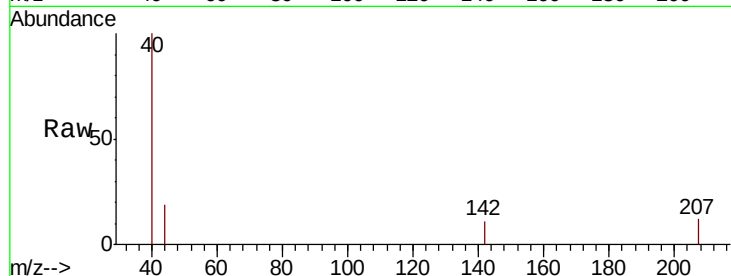




#10
Methyl Iodide
Concen: 8.857 ug/l
RT: 4.30 min Scan# 405
Delta R.T. 0.00 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

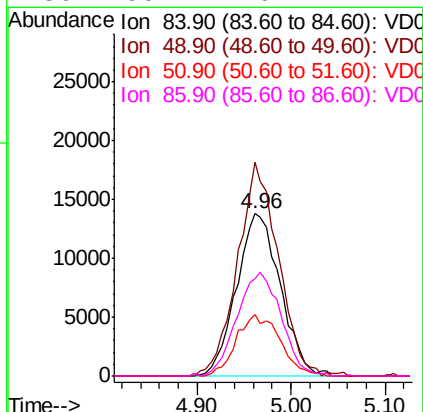
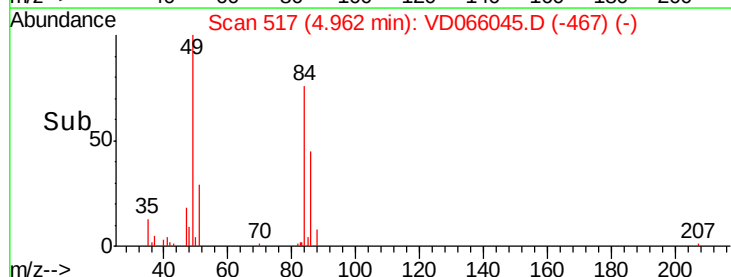
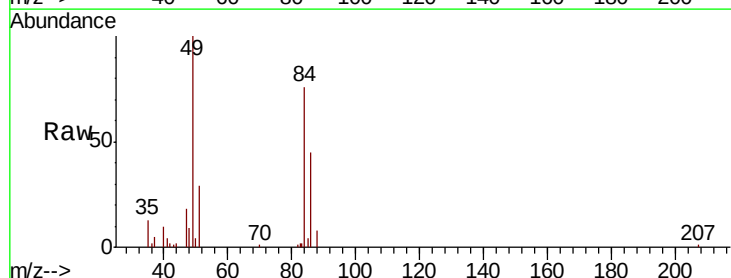
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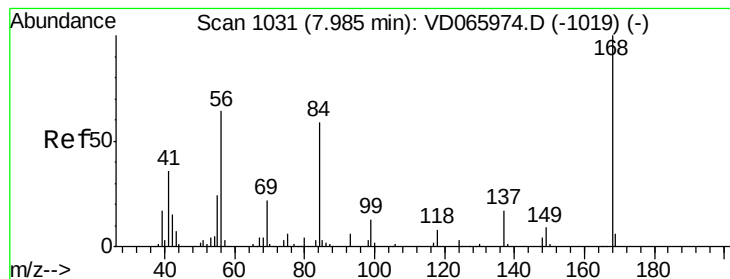
Tot Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 32.9 49.3#
141 0.0 11.8 17.6#



#20
Methylene Chloride
Concen: 13.657 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

Tgt Ion: 84 Resp: 44499
Ion Ratio Lower Upper
84 100
49 131.6 97.7 146.5
51 37.8 27.4 41.2
86 59.7 49.4 74.2





#31

Cyclohexane

Concen: 1.300 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066045.D

Acq: 24 Jul 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

CRT-008

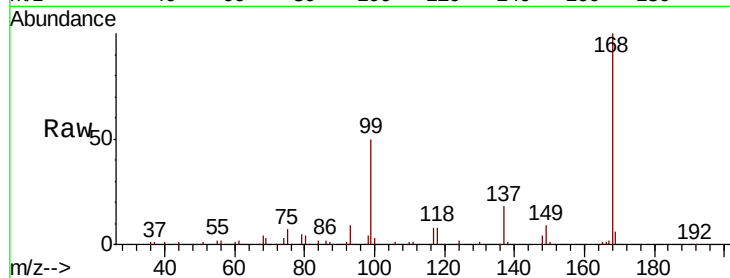
Tot Ion: 56 Resp: 5878

Ion Ratio Lower Upper

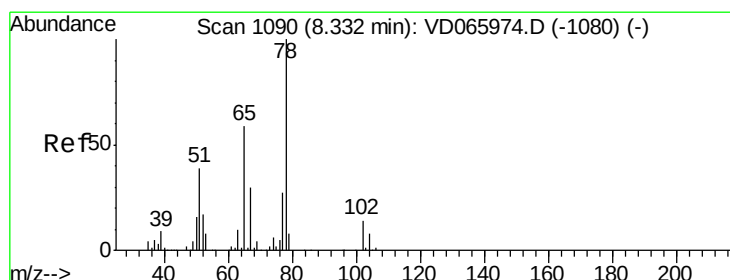
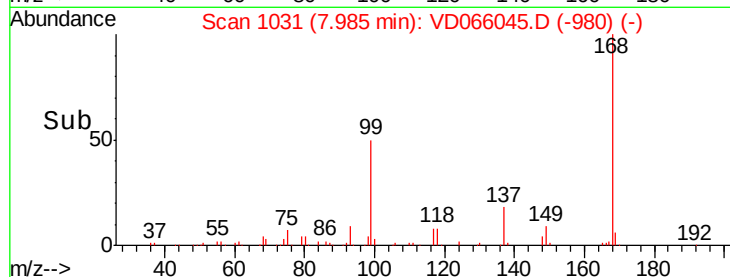
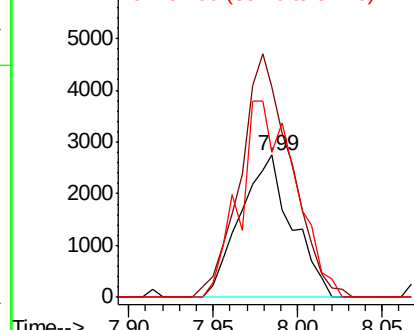
56 100

69 148.4 28.0 42.0#

84 102.0 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: 48.196 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066045.D

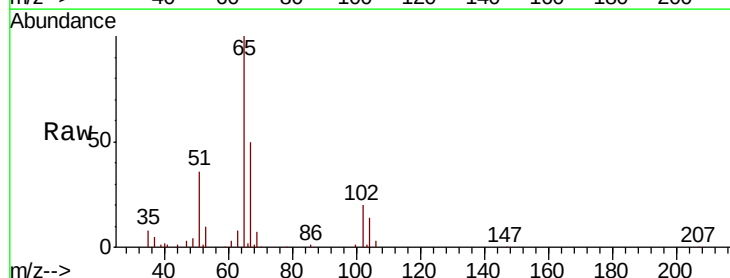
Acq: 24 Jul 2020 14:17

Tgt Ion: 65 Resp: 121186

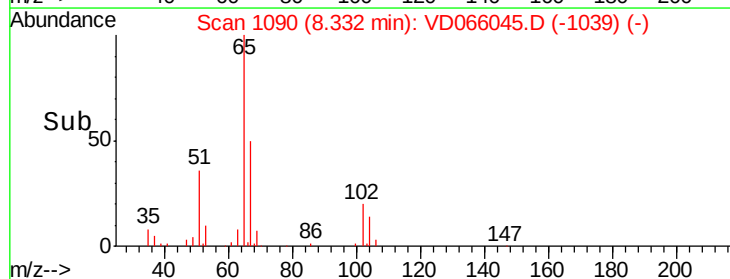
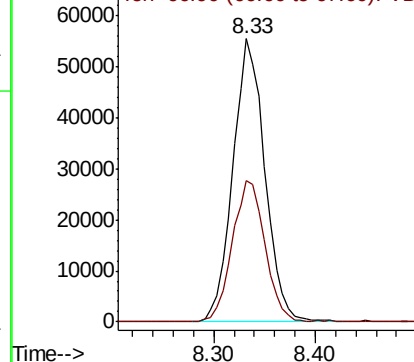
Ion Ratio Lower Upper

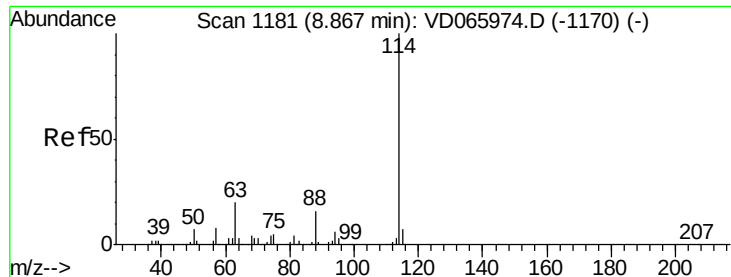
65 100

67 50.9 0.0 105.0



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

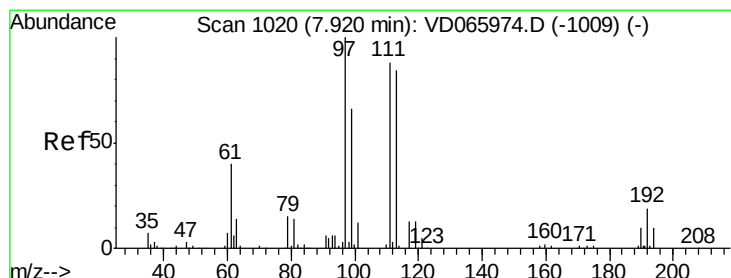
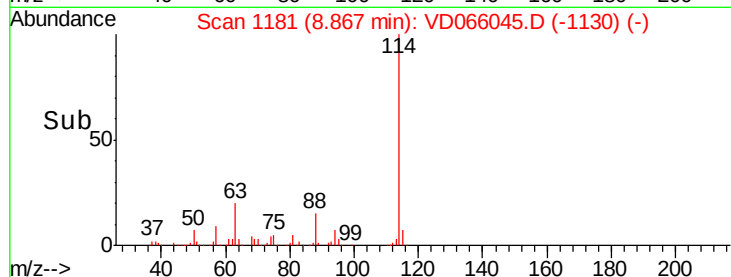
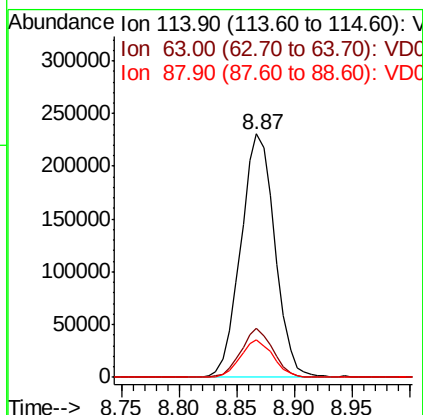
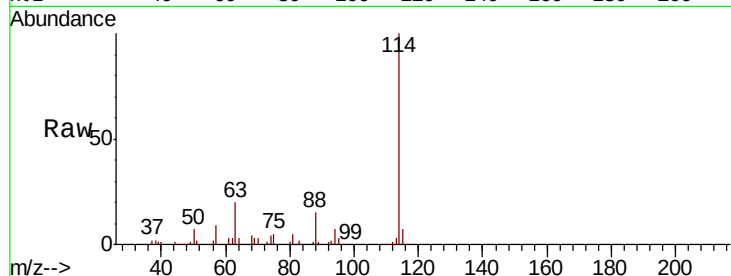




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

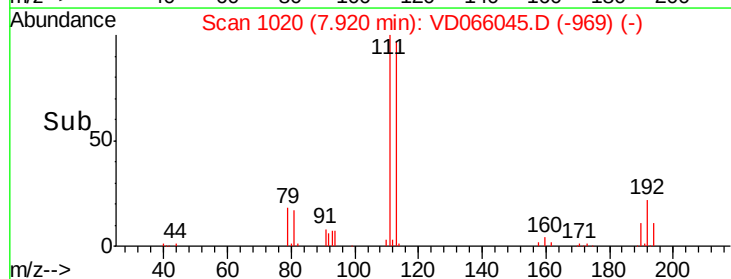
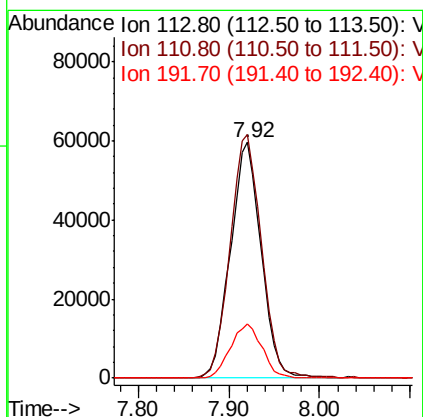
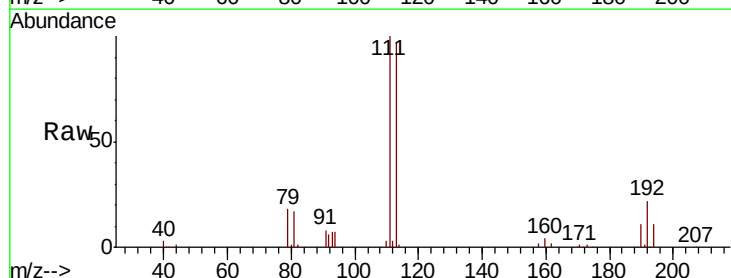
Instrument :
MSVOA_D
ClientSampleId :
CRT-008

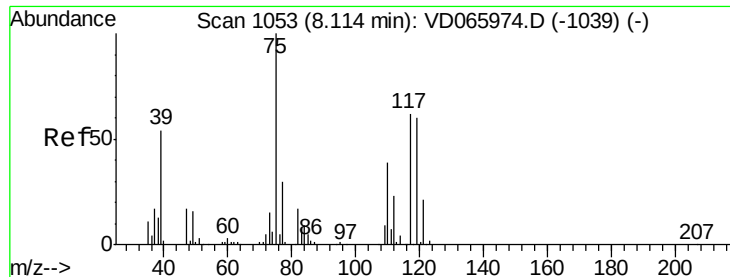
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.6
88	15.4	0.0	31.2



#35
Dibromofluoromethane
Concen: 48.920 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.2	124.8
192	23.6	18.7	28.1

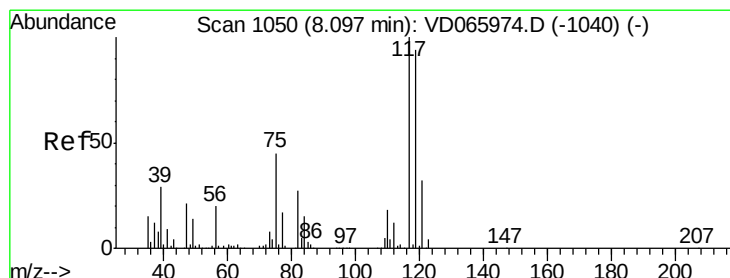
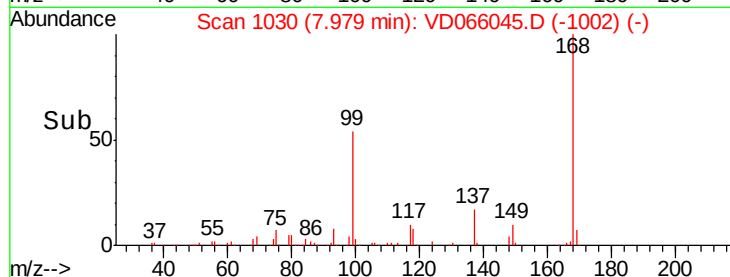
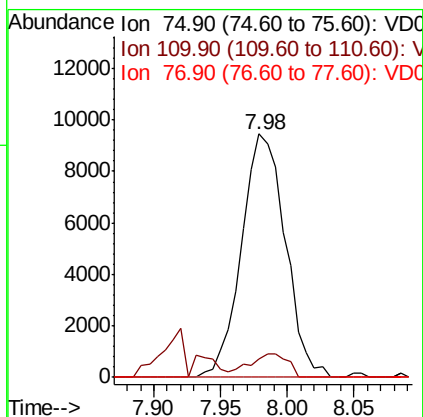
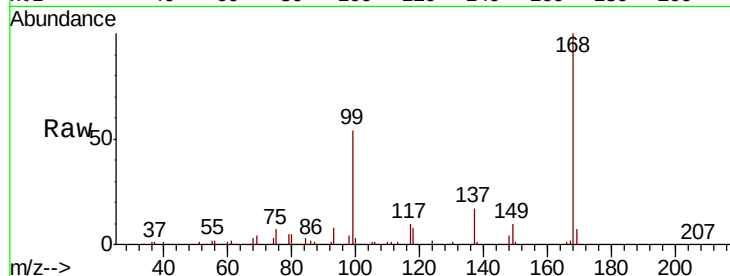




#36
 1,1-Dichloropropene
 Concen: 5.315 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD066045.D
 Acq: 24 Jul 2020 14:17

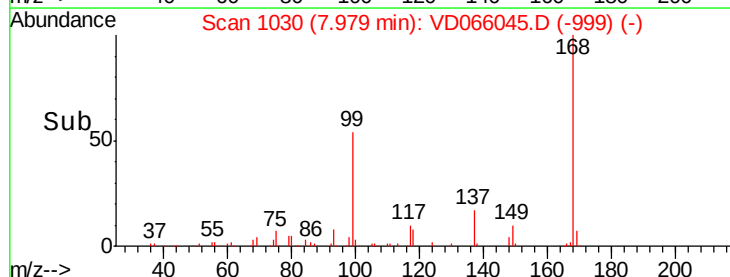
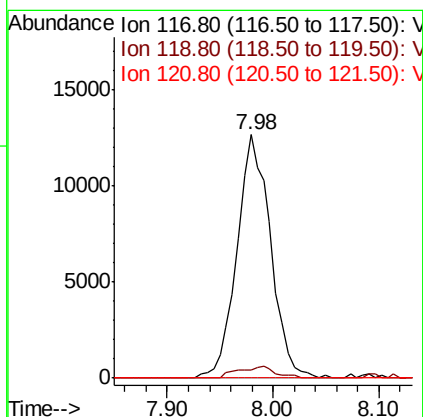
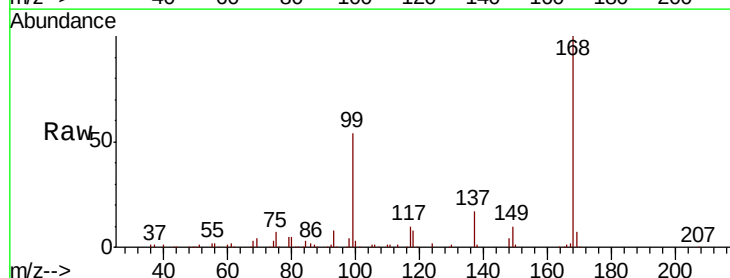
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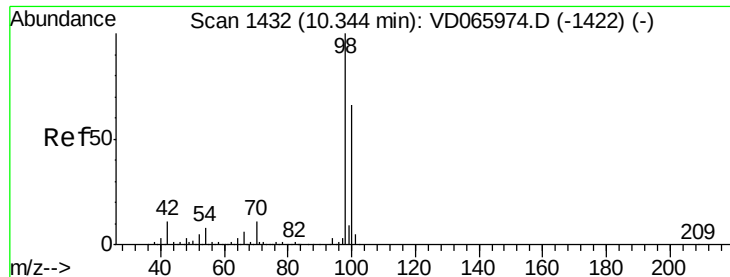
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.365 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD066045.D
 Acq: 24 Jul 2020 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.3	75.0	112.6#
121	0.0	25.5	38.3#

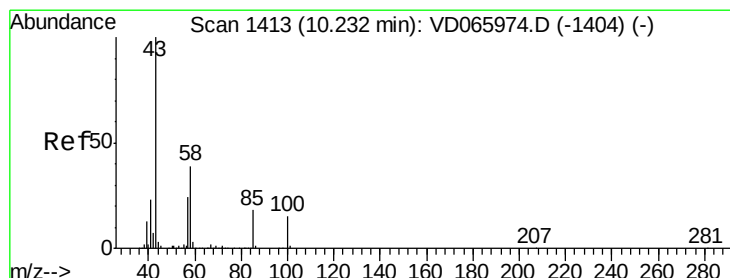
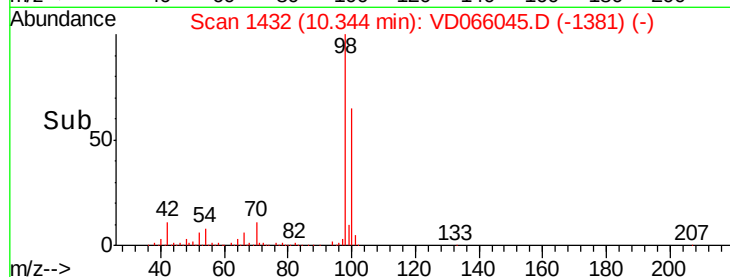
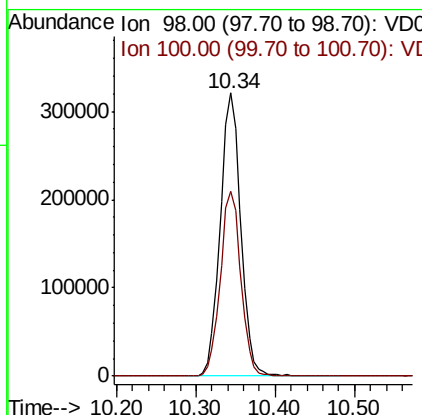
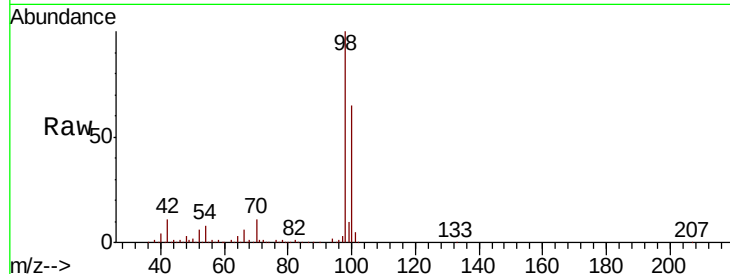




#50
Toluene-d8
Concen: 53.867 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

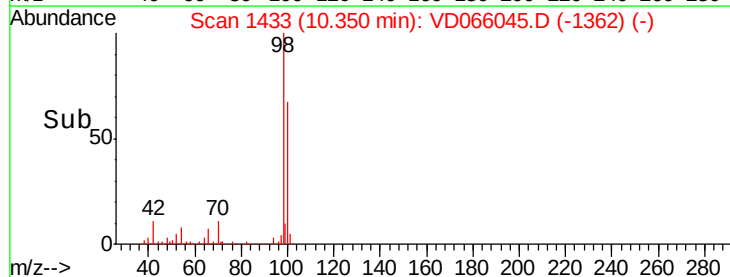
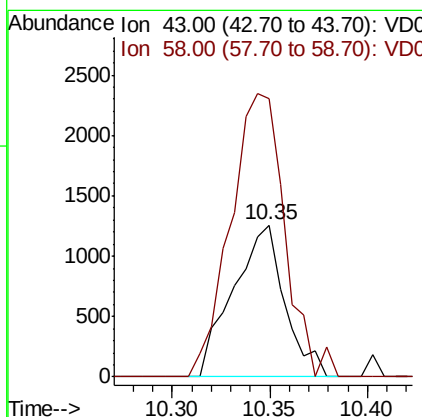
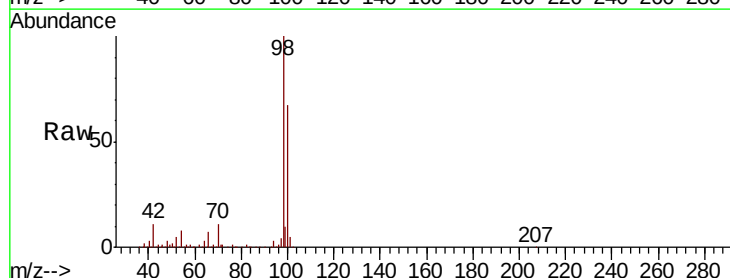
Instrument :
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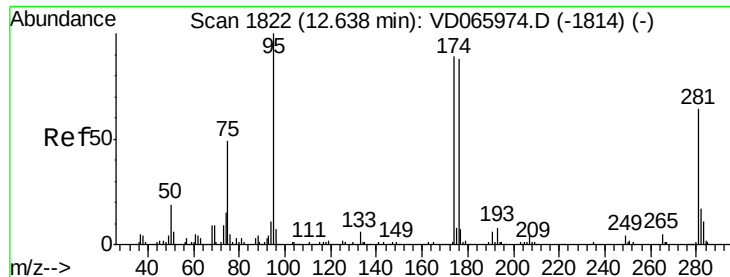
Tot Ion: 98 Resp: 576303
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.522 ug/l
RT: 10.35 min Scan# 1433
Delta R.T. 0.12 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
58 195.6 31.3 46.9#

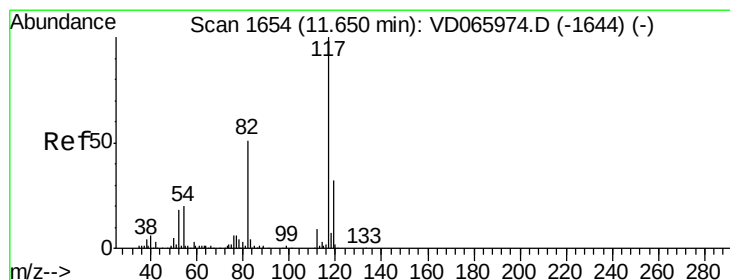
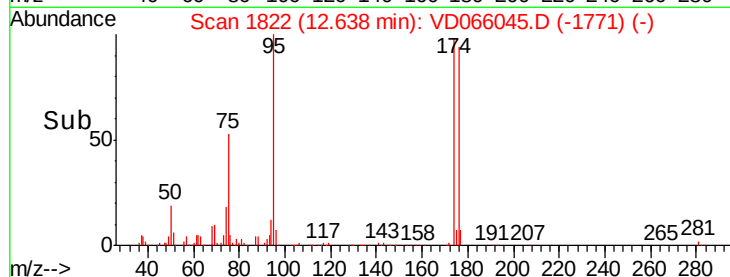
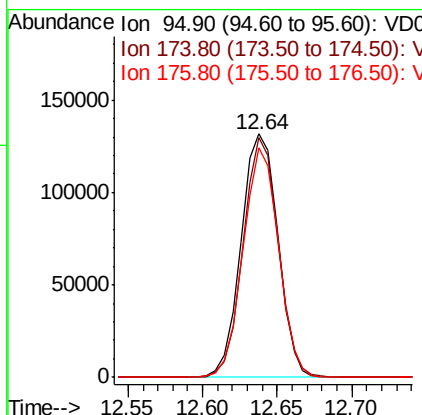
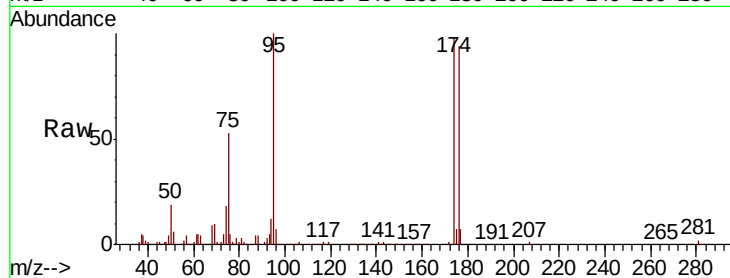




#62
4-Bromofluorobenzene
Concen: 60.541 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

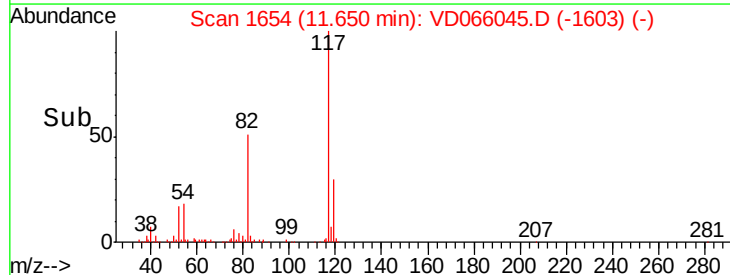
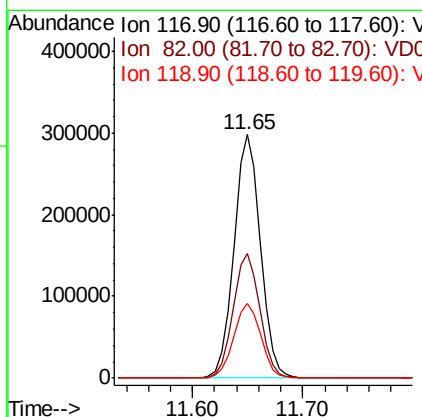
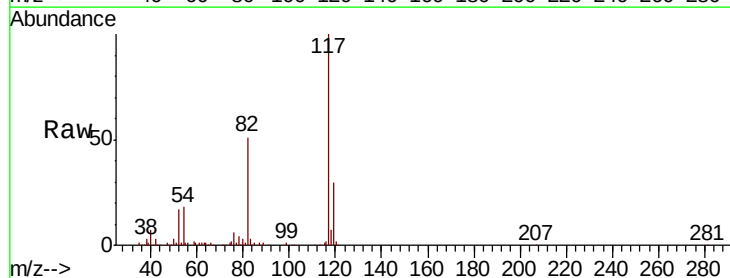
Instrument :
MSVOA_D
ClientSampleId :
CRT-008

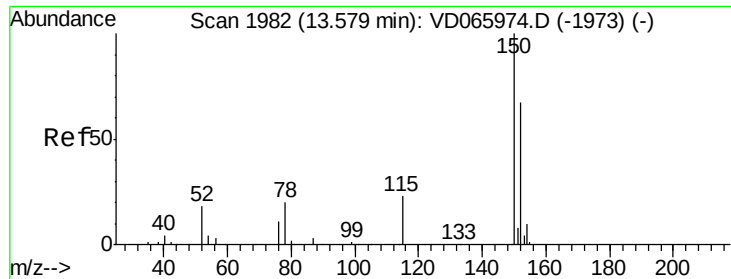
Tot Ion: 95 Resp: 224584
Ion Ratio Lower Upper
95 100
174 93.4 0.0 178.8
176 90.8 0.0 172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066045.D
Acq: 24 Jul 2020 14:17

Tgt Ion: 117 Resp: 501285
Ion Ratio Lower Upper
117 100
82 51.4 41.1 61.7
119 30.5 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: VD066045.D

Acq: 24 Jul 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

CRT-008

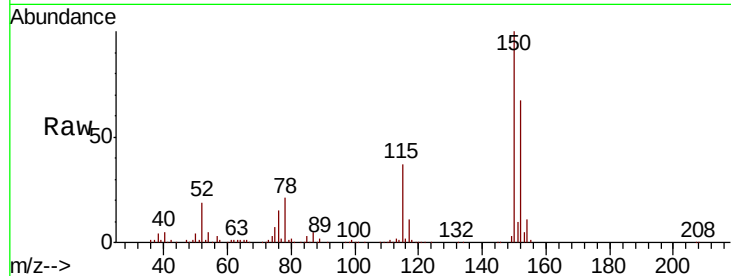
Tot Ion:152 Resp: 268069

Ion Ratio Lower Upper

152 100

115 54.9 27.9 83.7

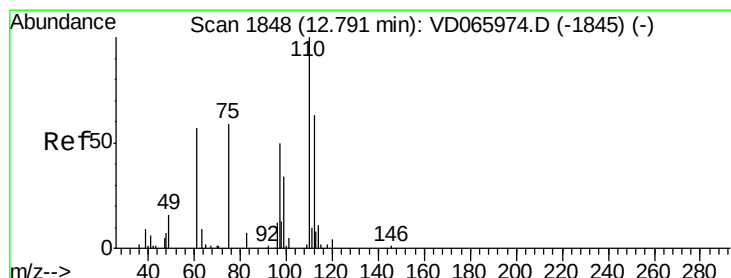
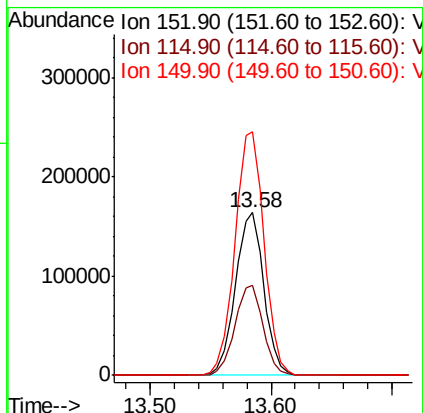
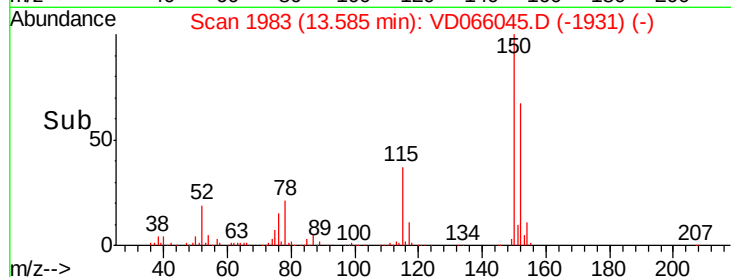
150 153.4 0.0 348.2



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: 55.939 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066045.D

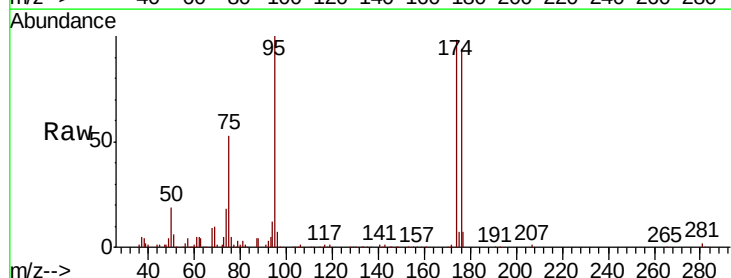
Acq: 24 Jul 2020 14:17

Tgt Ion: 75 Resp: 112908

Ion Ratio Lower Upper

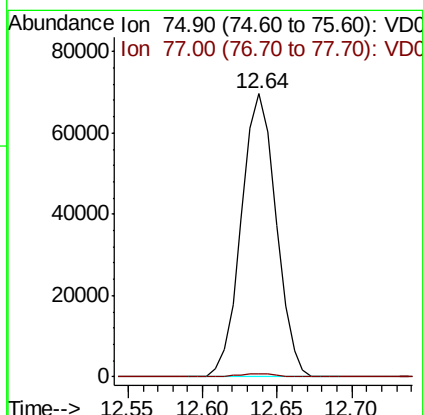
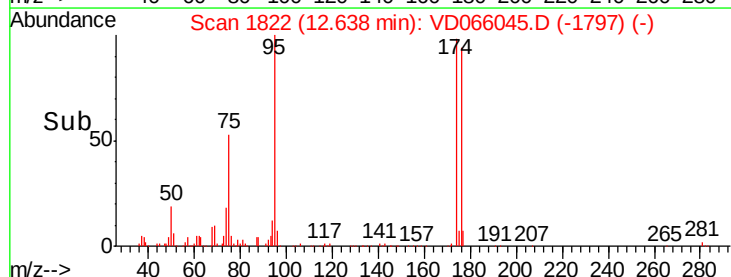
75 100

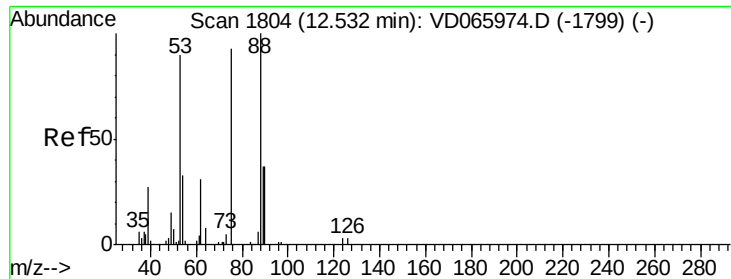
77 1.2 0.0 0.0#



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: 128.360 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066045.D

Acq: 24 Jul 2020 14:17

Instrument :

MSVOA_D

ClientSampleId :

CRT-008

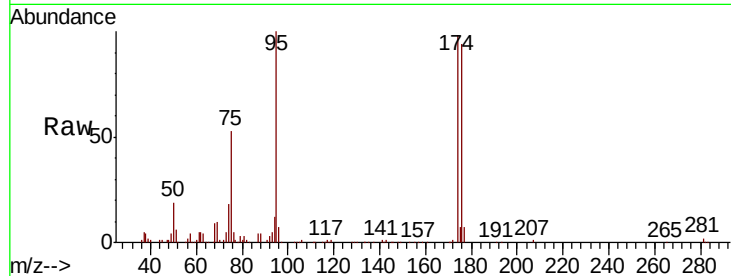
Tot Ion: 75 Resp: 112908

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

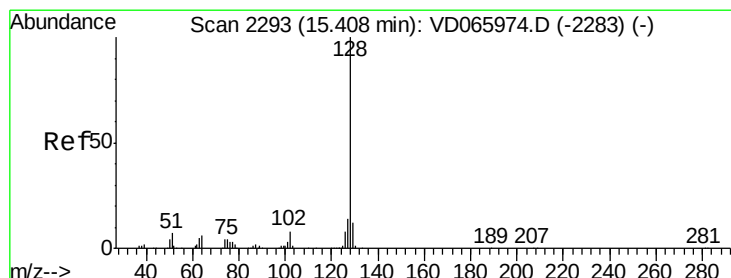
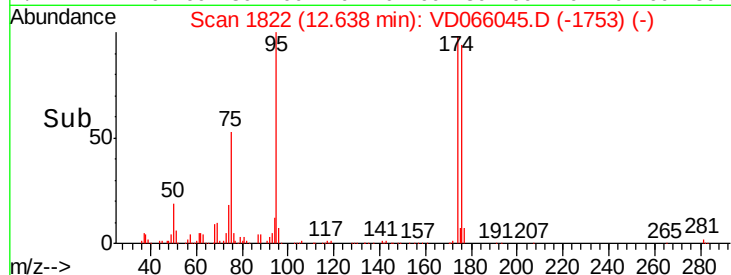
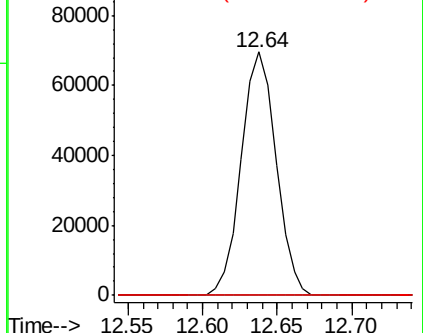
89 0.0 37.0 55.4#



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



#95

Naphthalene

Concen: 3.601 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066045.D

Acq: 24 Jul 2020 14:17

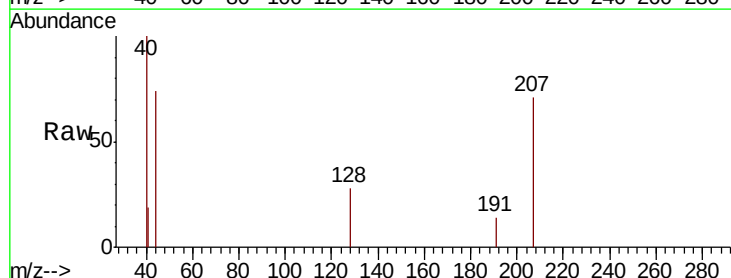
Tgt Ion: 128 Resp: 493

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

