

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066874.D
 Acq On : 25 Sep 2020 15:16
 Operator : VA/SY
 Sample : L4132-01
 Misc : 6.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-25603

Quant Time: Sep 26 03:01:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	730984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	352377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	211464	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
35) Dibromofluoromethane	7.91	113	228437	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.34	98	876535	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
62) 4-Bromofluorobenzene	12.63	95	324029	60.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.06%	

Target Compounds

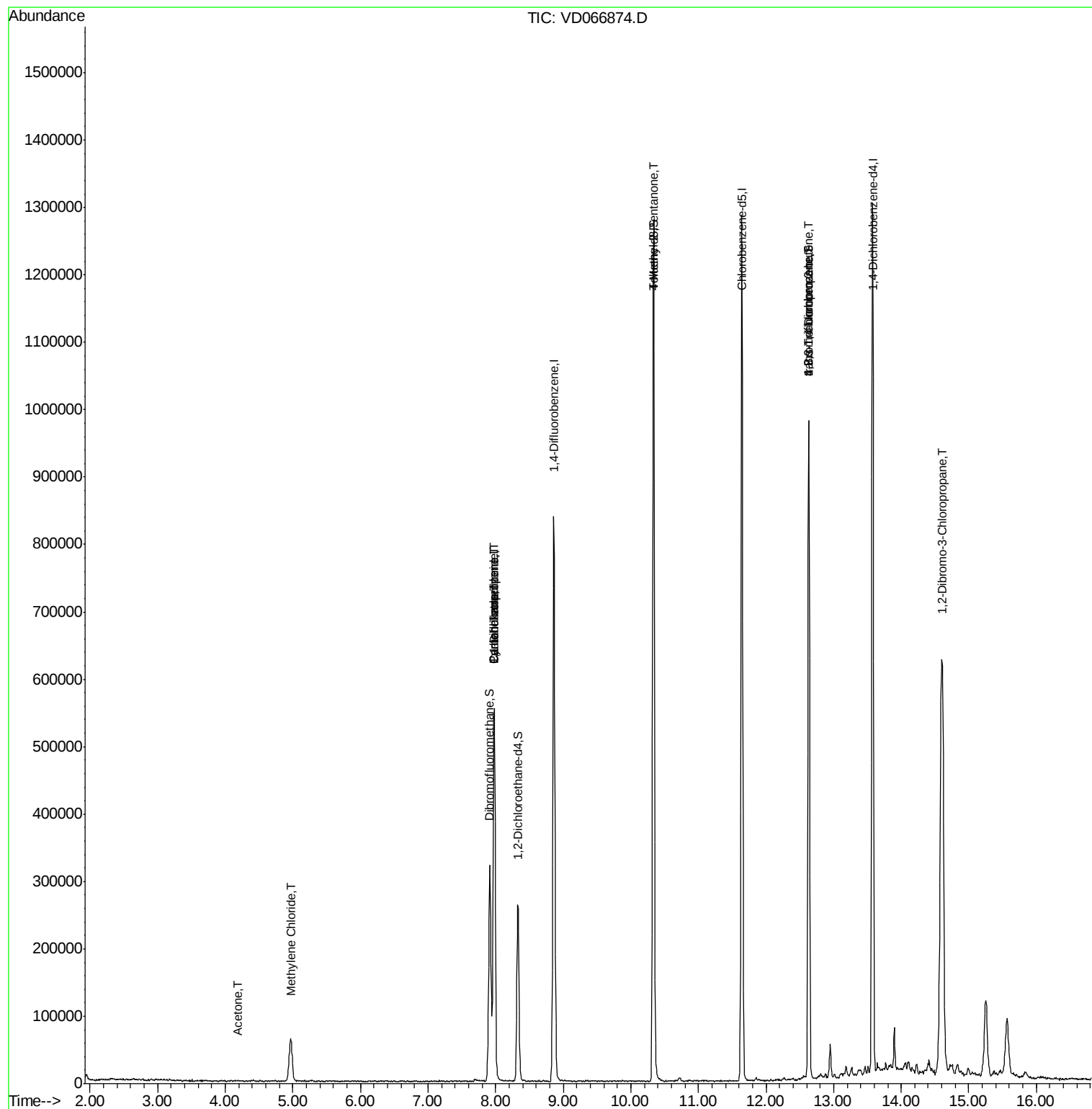
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	186	Below Cal	#	46
16) Acetone	4.18	43	947	1.110	ug/l #	43
18) Methyl Acetate	4.73	43	72	Below Cal	#	50
20) Methylene Chloride	4.97	84	52290	6.264	ug/l	92
31) Cyclohexane	7.98	56	9337	1.277	ug/l #	1
36) 1,1-Dichloropropene	7.97	75	33648	4.702	ug/l #	50
38) Carbon Tetrachloride	7.98	117	42849	5.477	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3805	1.506	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	164287	56.258	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	164287	140.754	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.60	75	12118	17.150	ug/l #	13

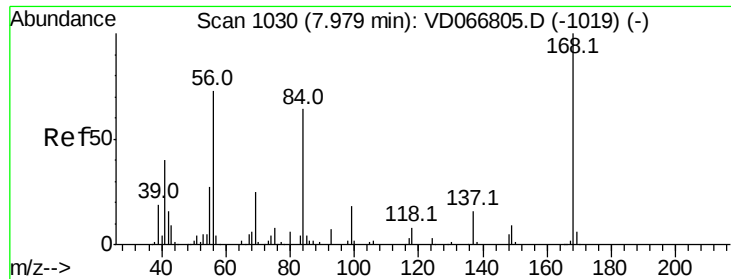
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

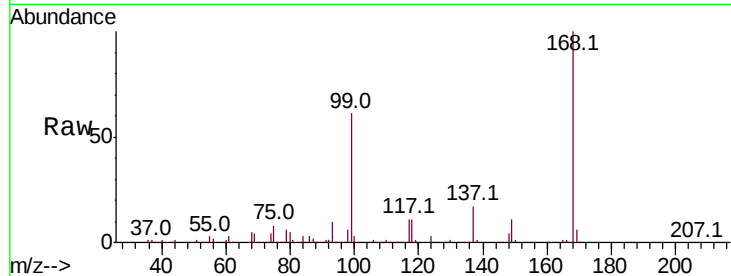
Instrument :
MSVOA_D
ClientSampleId :
CHRT-25603

Tot Ion:168 Resp: 410914

Ion Ratio Lower Upper

168 100

99 61.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

200000

150000

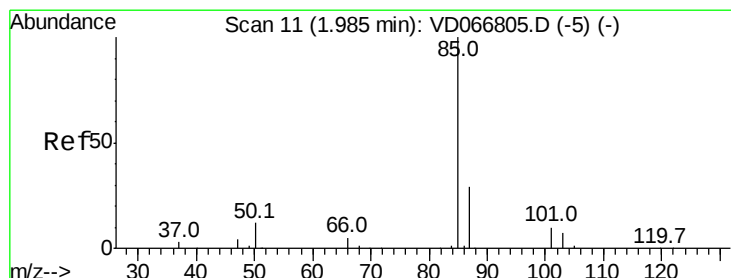
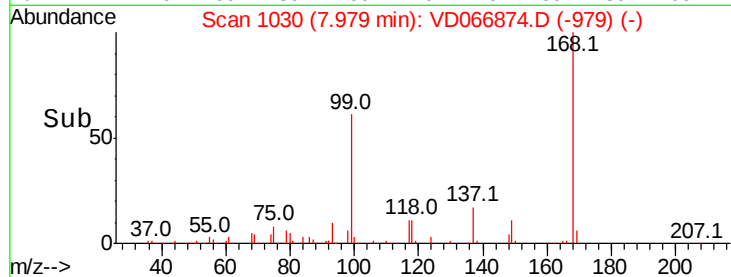
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066874.D

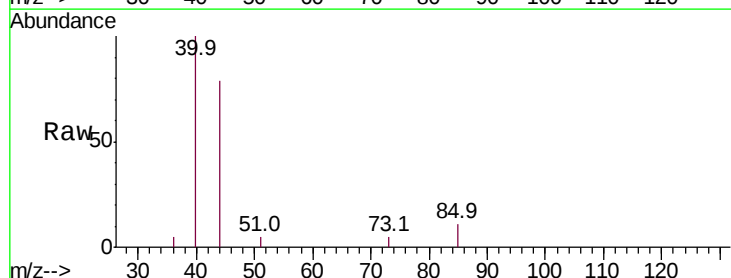
Acq: 25 Sep 2020 15:16

Tgt Ion: 85 Resp: 186

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.99

400

300

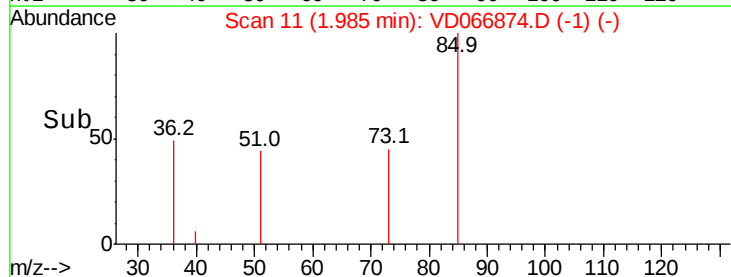
200

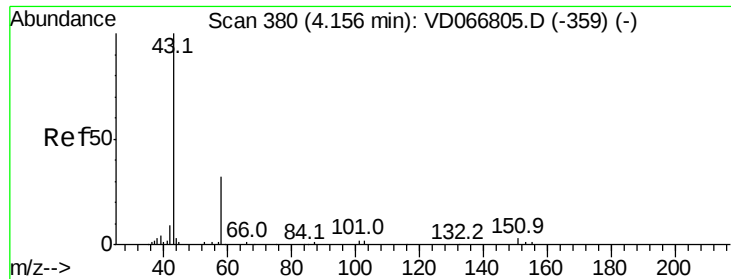
100

0

1.96 1.98 2.00

Time-->





#16

Acetone

Concen: 1.110 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.02 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

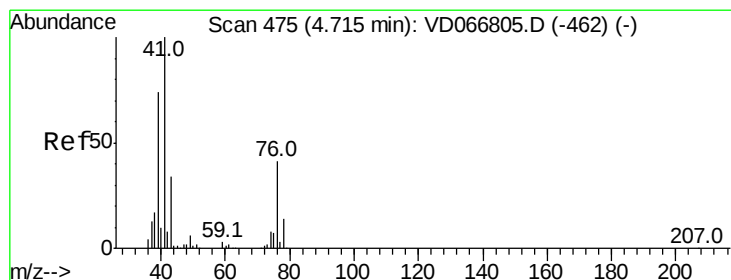
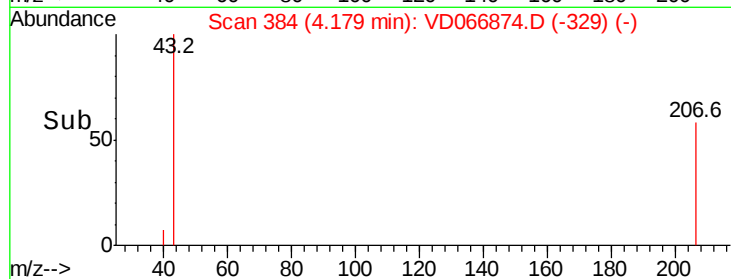
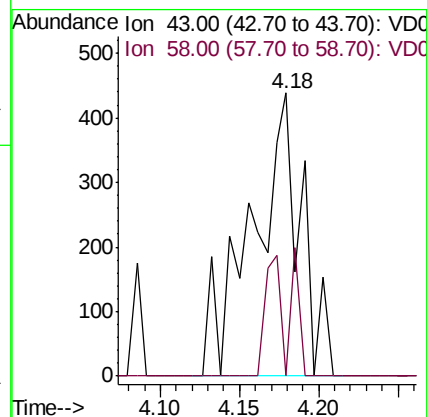
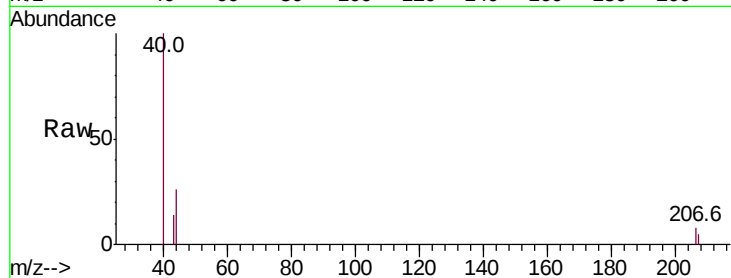
CHRT-25603

Tot Ion: 43 Resp: 947

Ion Ratio Lower Upper

43 100

58 0.0 25.6 38.4#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD066874.D

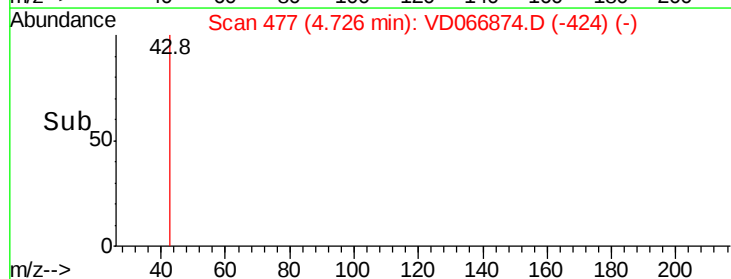
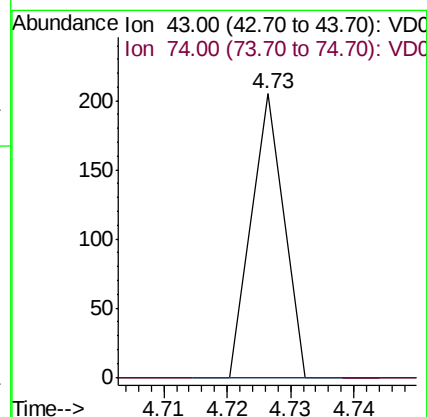
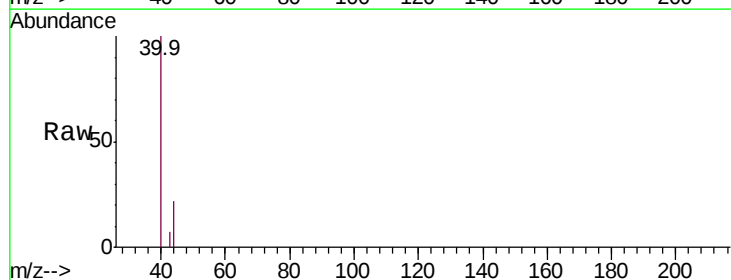
Acq: 25 Sep 2020 15:16

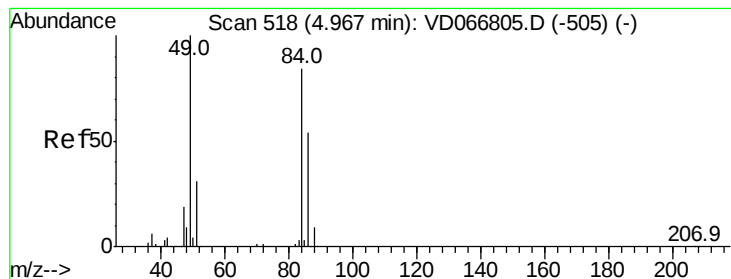
Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#





#20

Methylene Chloride

Concen: 6.264 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25603

Tot Ion: 84 Resp: 52290

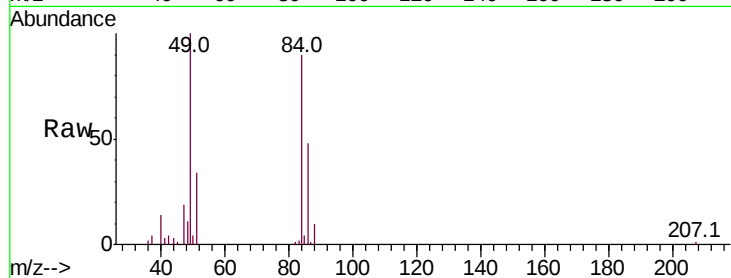
Ion Ratio Lower Upper

84 100

49 110.9 95.4 143.2

51 37.6 29.7 44.5

86 53.5 51.4 77.2

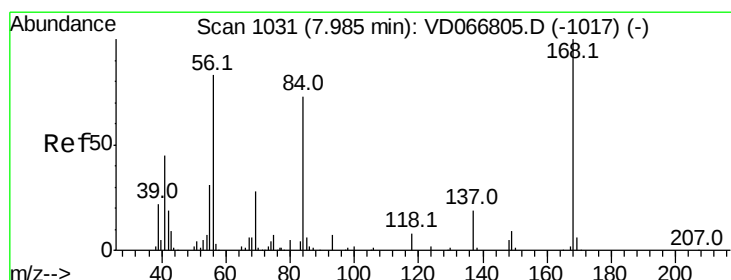
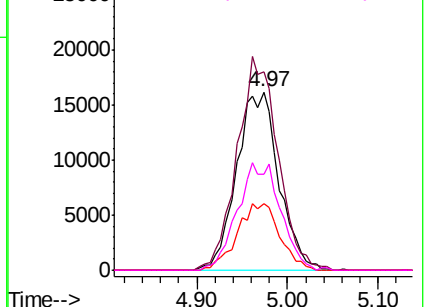
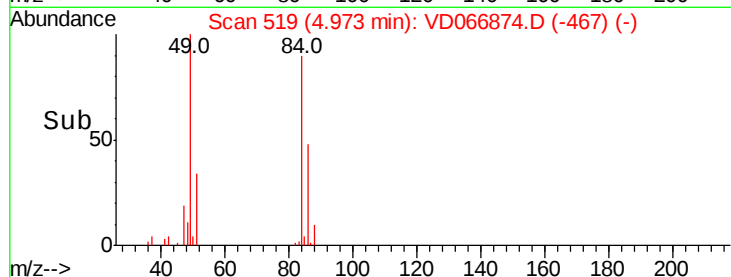


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.277 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

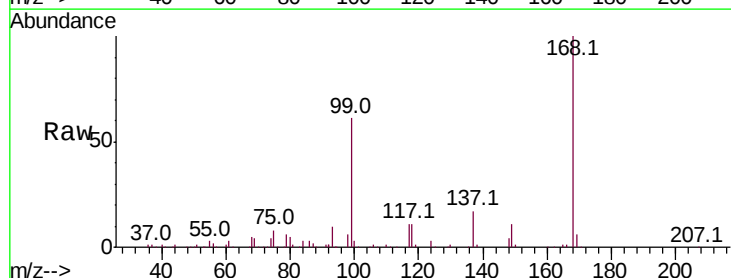
Tgt Ion: 56 Resp: 9337

Ion Ratio Lower Upper

56 100

69 174.7 27.0 40.4#

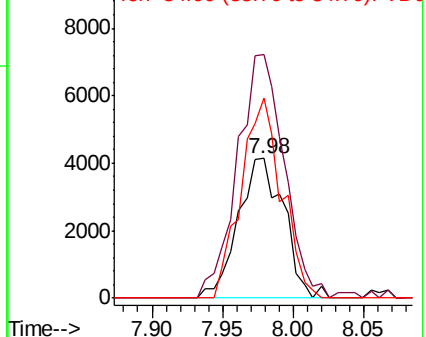
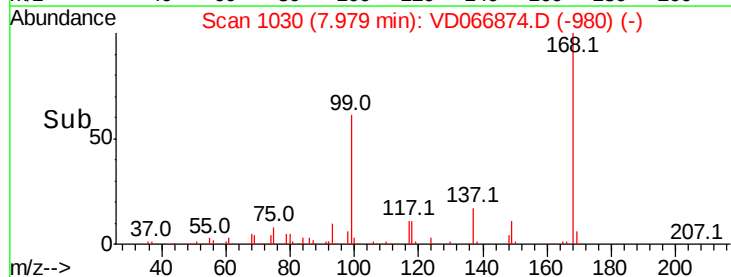
84 143.3 70.2 105.4#

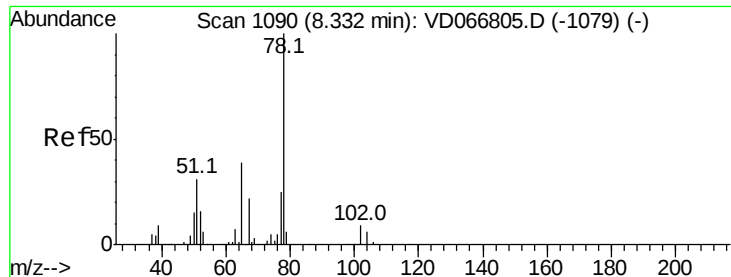


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 52.579 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

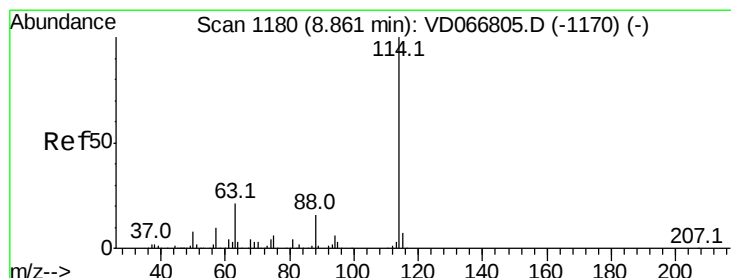
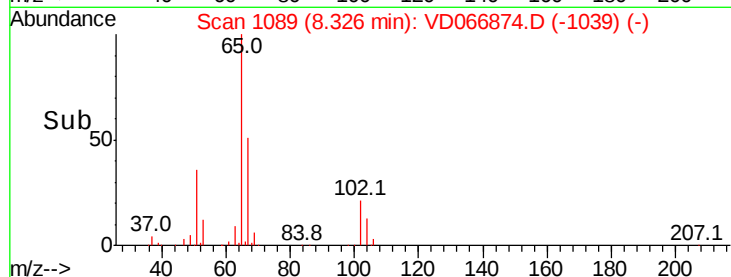
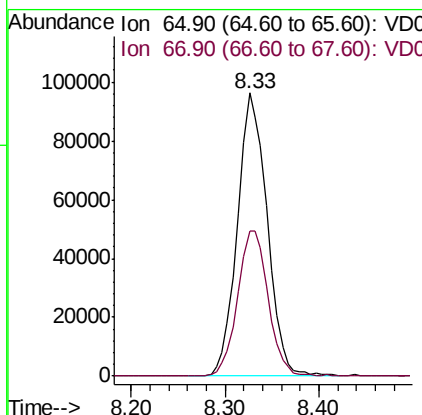
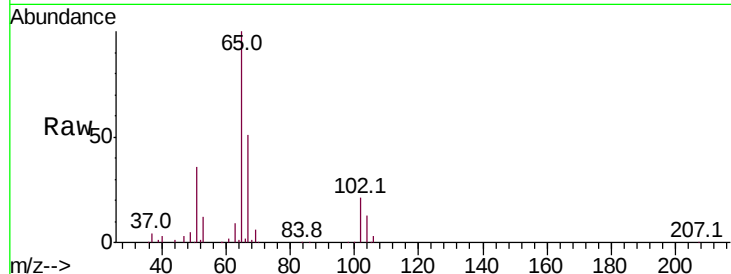
Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

Instrument :
MSVOA_D
ClientSampleId :
CHRT-25603

Tot Ion: 65 Resp: 211464

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

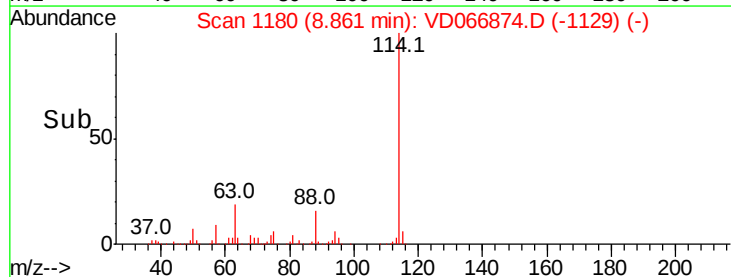
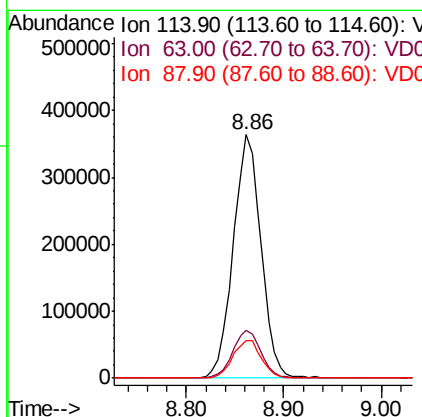
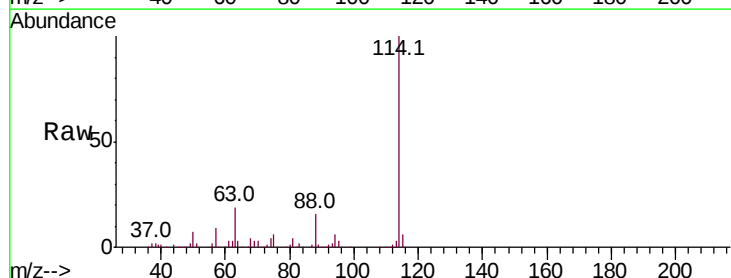
Delta R.T. 0.00 min

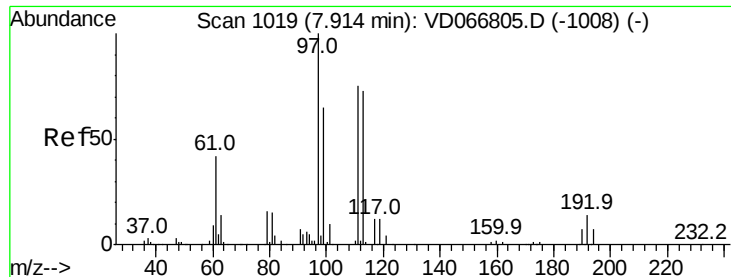
Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

Tgt Ion: 114 Resp: 721337

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	42.6
88	15.5	0.0	32.6

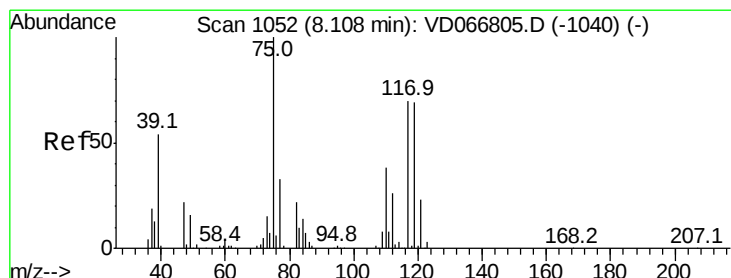
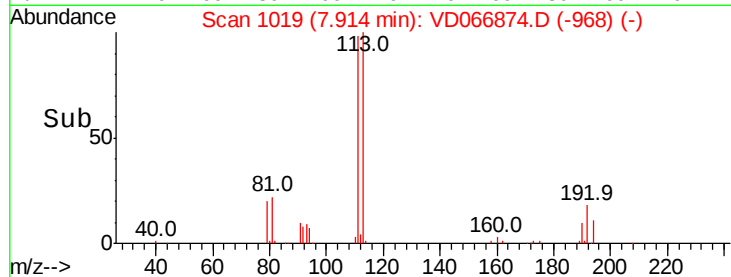
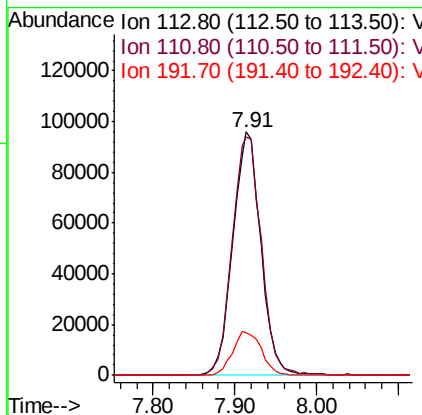
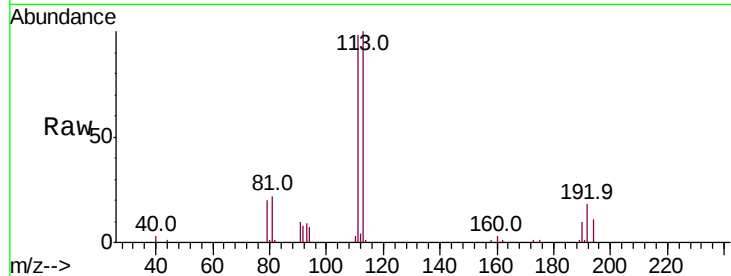




#35
 Dibromofluoromethane
 Concen: 49.778 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066874.D
 Acq: 25 Sep 2020 15:16

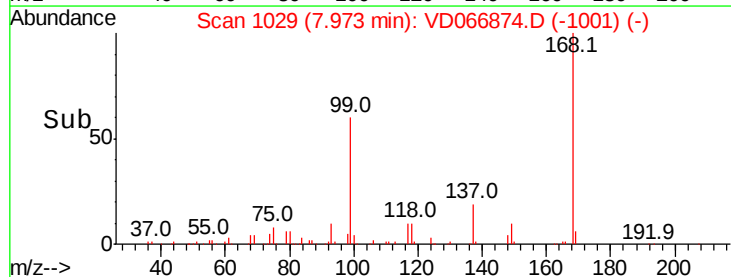
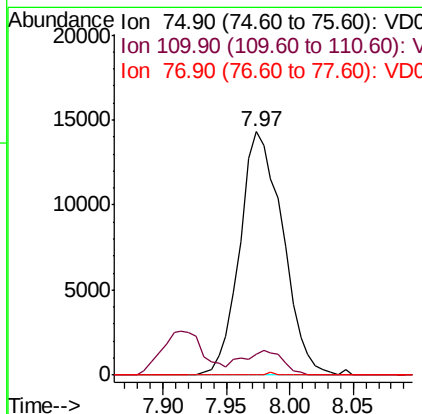
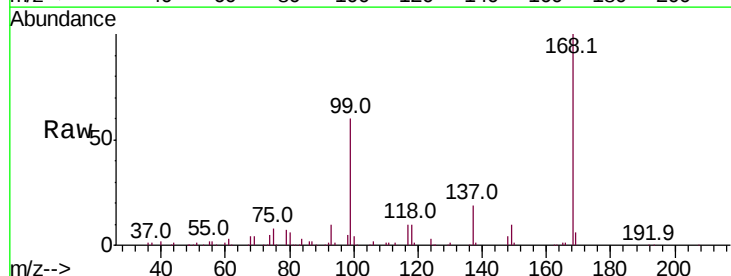
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-25603

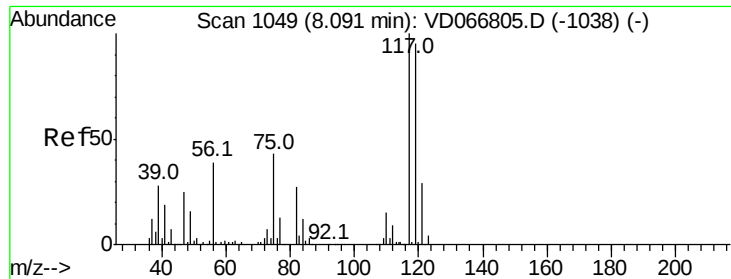
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.8
192	18.6	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 4.702 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066874.D
 Acq: 25 Sep 2020 15:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.9	53.8#
77	0.2	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.477 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25603

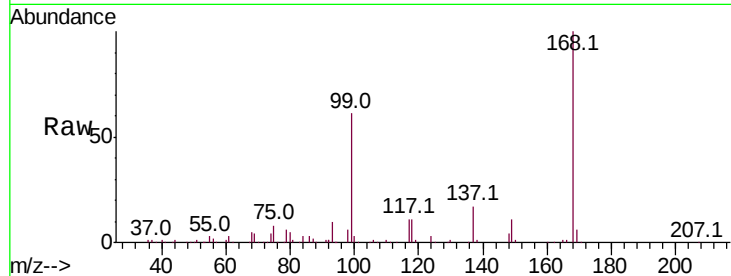
Tot Ion:117 Resp: 42849

Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.8#

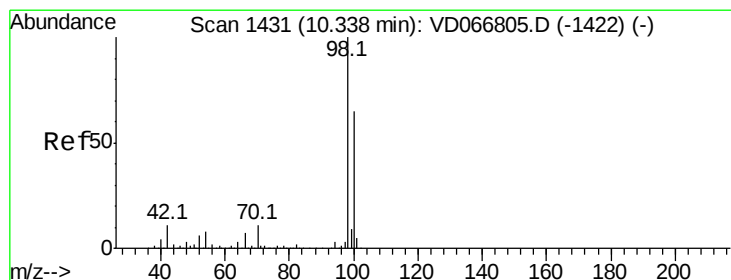
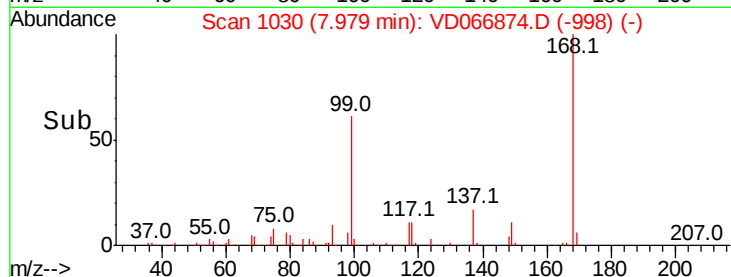
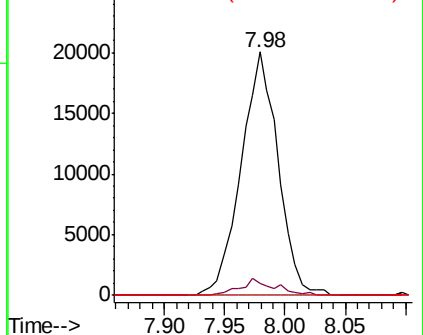
121 0.0 23.4 35.0#



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: 56.059 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066874.D

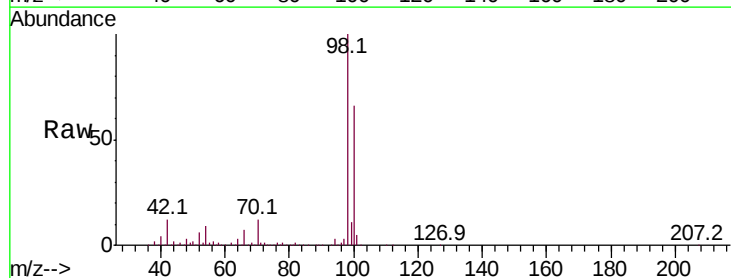
Acq: 25 Sep 2020 15:16

Tgt Ion: 98 Resp: 876535

Ion Ratio Lower Upper

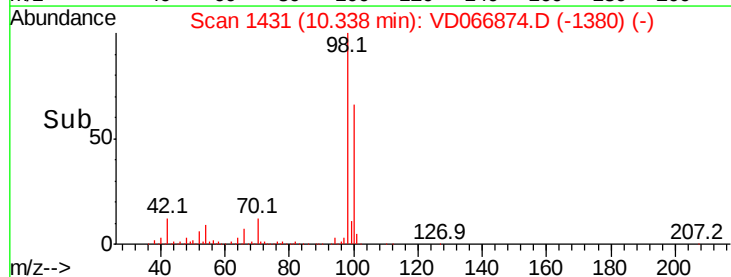
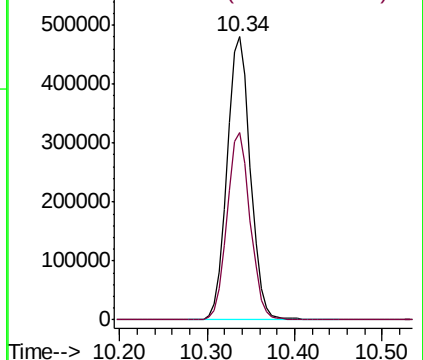
98 100

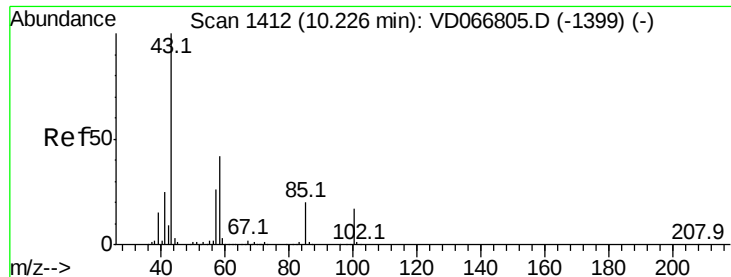
100 65.8 52.2 78.2



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: 1.506 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

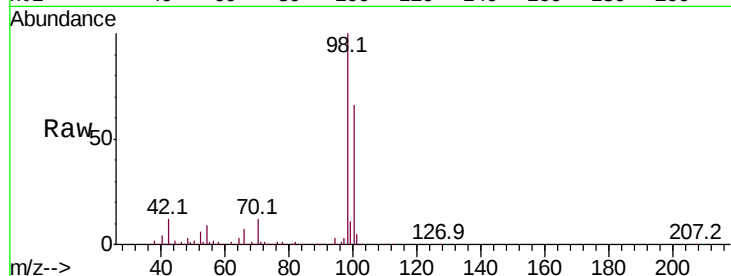
CHRT-25603

Tot Ion: 43 Resp: 3805

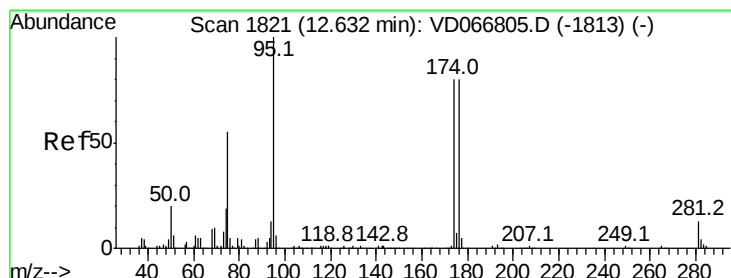
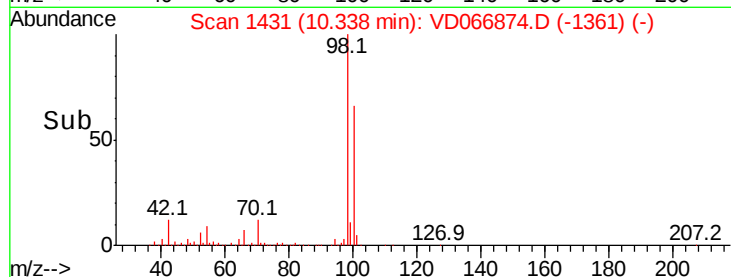
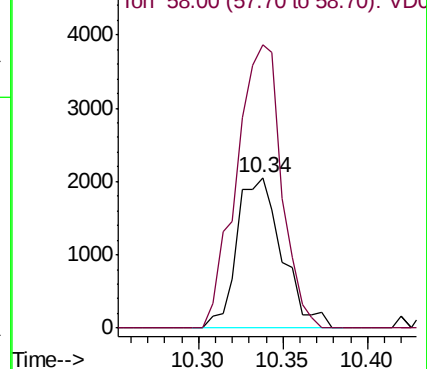
Ion Ratio Lower Upper

43 100

58 189.3 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC



#62

4-Bromofluorobenzene

Concen: 60.535 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

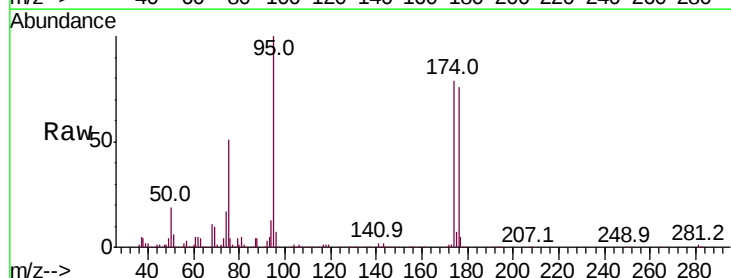
Tgt Ion: 95 Resp: 324029

Ion Ratio Lower Upper

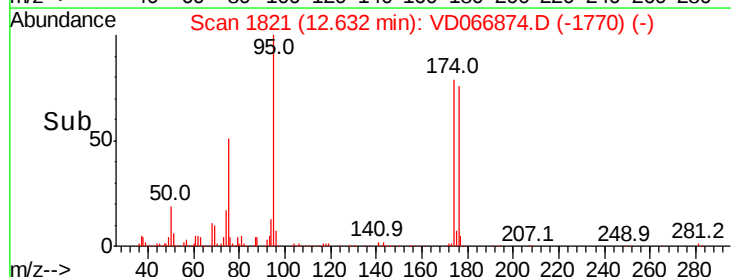
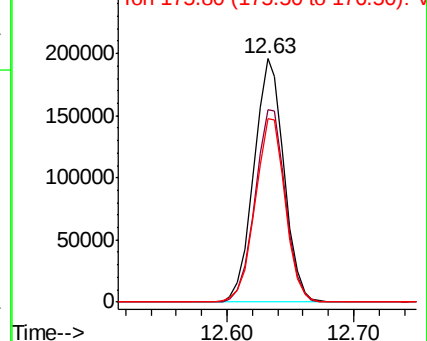
95 100

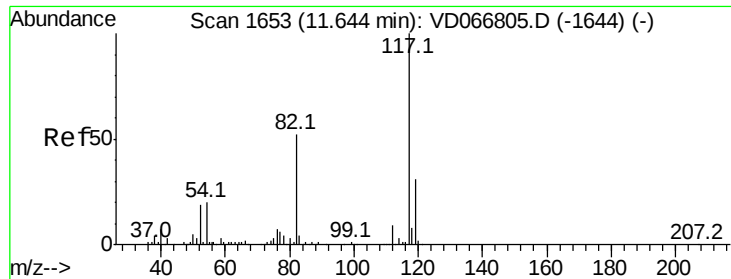
174 79.8 0.0 159.8

176 75.2 0.0 154.4



Abundance Ion 94.90 (94.60 to 95.60): VDC

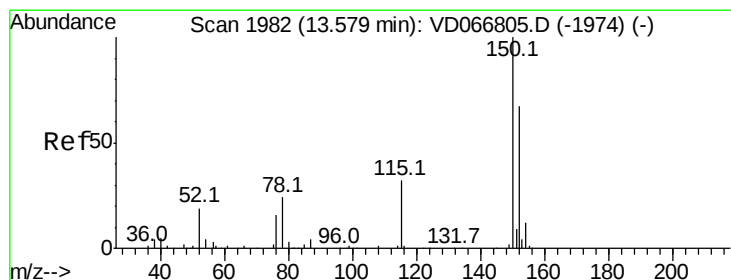
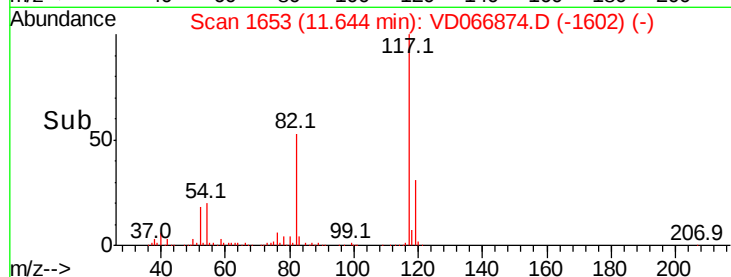
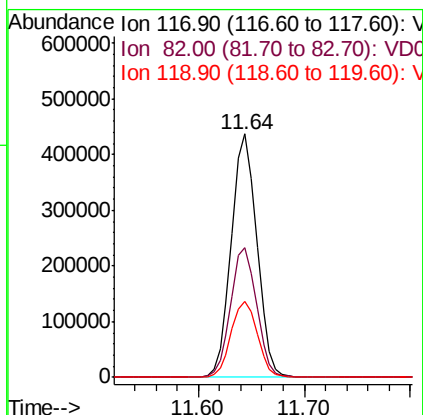
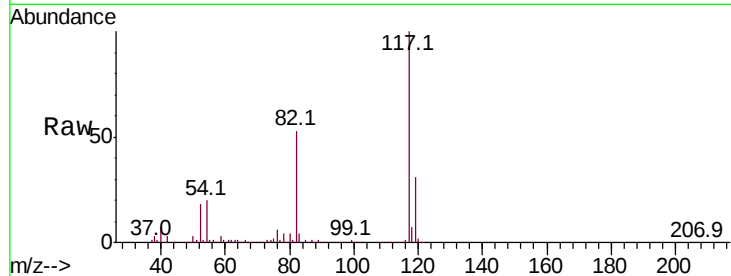




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066874.D
Acq: 25 Sep 2020 15:16

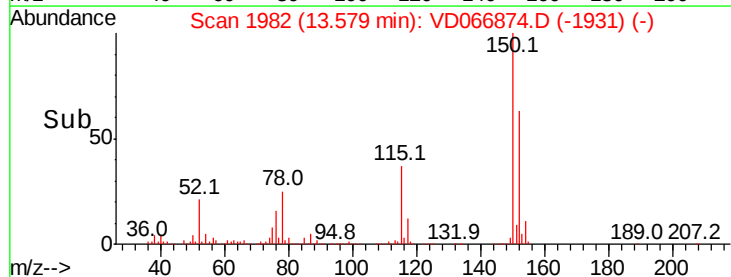
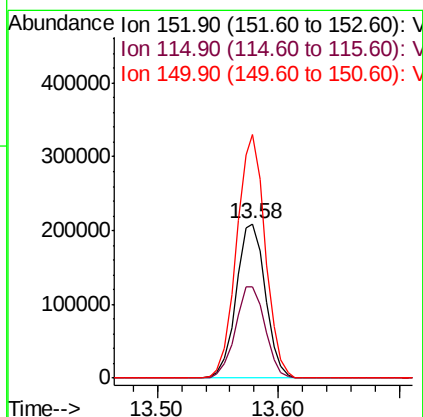
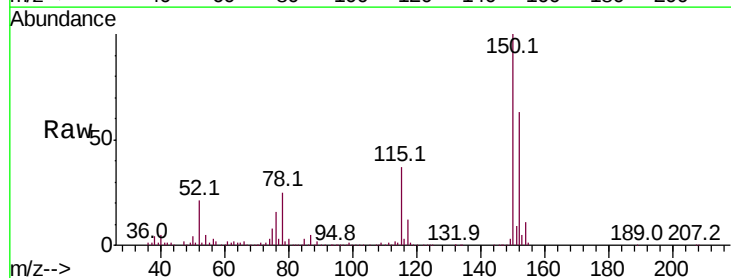
Instrument :
MSVOA_D
ClientSampleId :
CHRT-25603

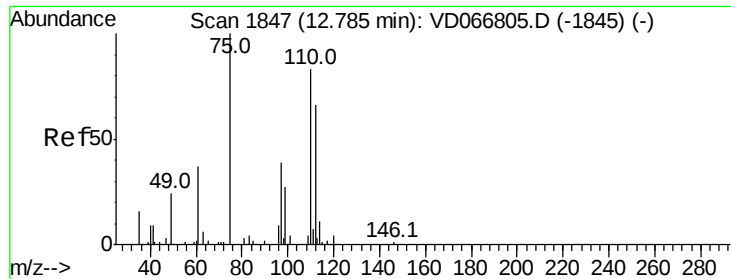
Tot Ion:117 Resp: 730984
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.6
119 31.0 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066874.D
Acq: 25 Sep 2020 15:16

Tgt Ion:152 Resp: 352377
Ion Ratio Lower Upper
152 100
115 60.2 30.3 91.0
150 154.5 0.0 346.2

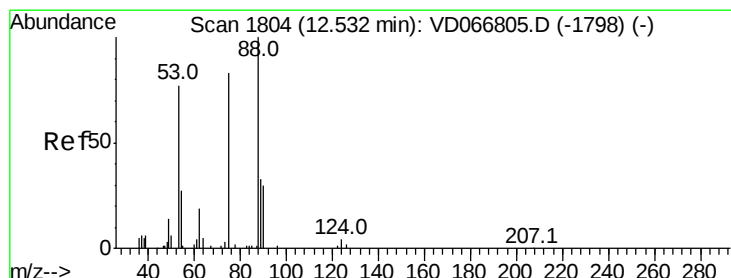
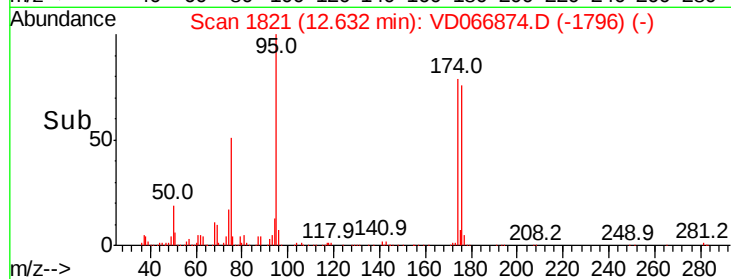
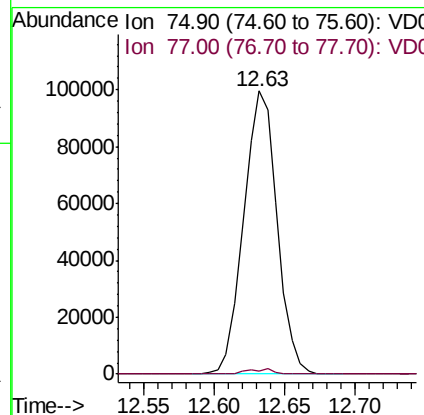
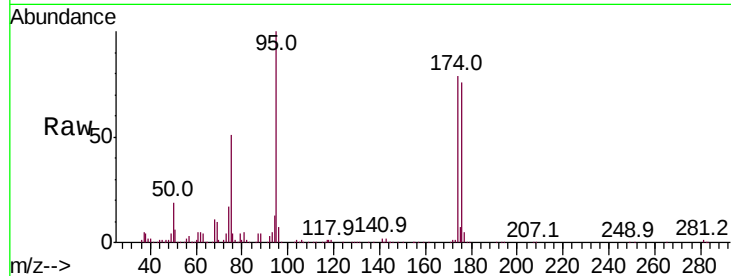




#76
 1,2,3-Trichloropropane
 Concen: 56.258 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066874.D
 Acq: 25 Sep 2020 15:16

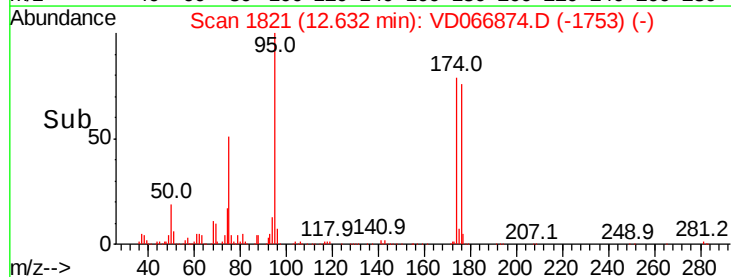
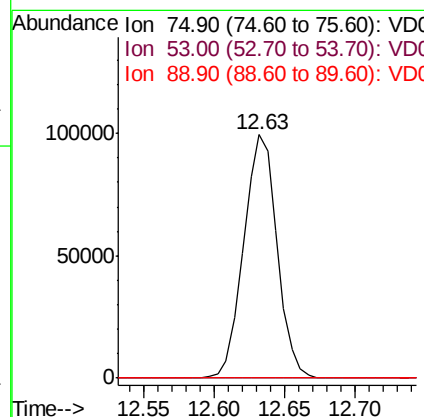
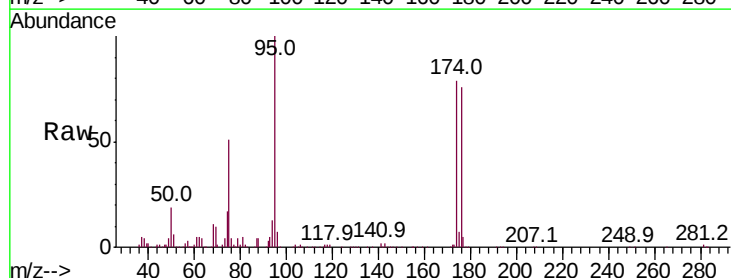
Instrument :
 MSVOA_D
 ClientSampled :
 CHRT-25603

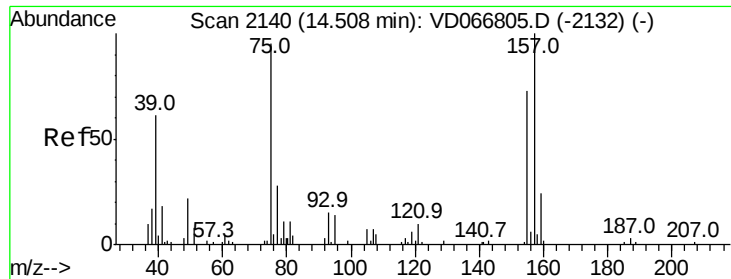
Tot Ion: 75 Resp: 164287
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.754 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066874.D
 Acq: 25 Sep 2020 15:16

Tgt Ion: 75 Resp: 164287
 Ion Ratio Lower Upper
 75 100
 53 0.4 78.5 117.7#
 89 0.0 38.1 57.1#





#92

1,2-Dibromo-3-Chloropropane

Concen: 17.150 ug/l

RT: 14.60 min Scan# 2155

Delta R.T. 0.09 min

Lab File: VD066874.D

Acq: 25 Sep 2020 15:16

Instrument :

MSVOA_D

ClientSampleId :

CHRT-25603

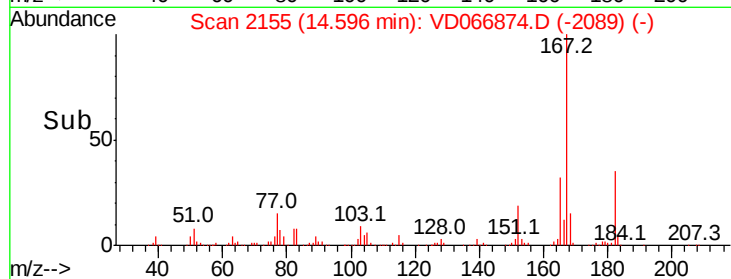
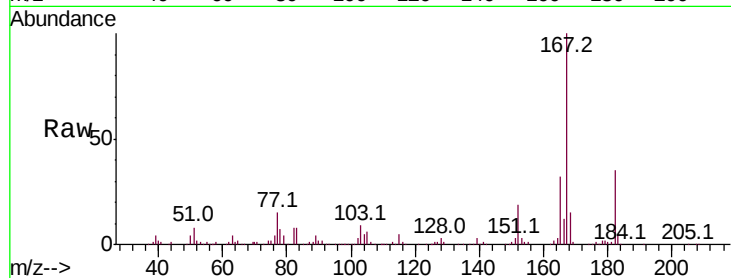
Tot Ion: 75 Resp: 12118

Ion Ratio Lower Upper

75 100

155 20.2 40.4 121.2#

157 0.0 51.3 153.9#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

