

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092520\
 Data File : VD066875.D
 Acq On : 25 Sep 2020 15:44
 Operator : VA/SY
 Sample : L4132-03
 Misc : 7.20G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-20413

Quant Time: Sep 26 03:01:18 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	410096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	730528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346773	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	212874	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
35) Dibromofluoromethane	7.91	113	228423	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.34	98	869693	55.59	ug/l	0.00
Spiked Amount			Recovery	=	111.18%	
62) 4-Bromofluorobenzene	12.63	95	323150	60.33	ug/l	0.00
Spiked Amount			Recovery	=	120.66%	

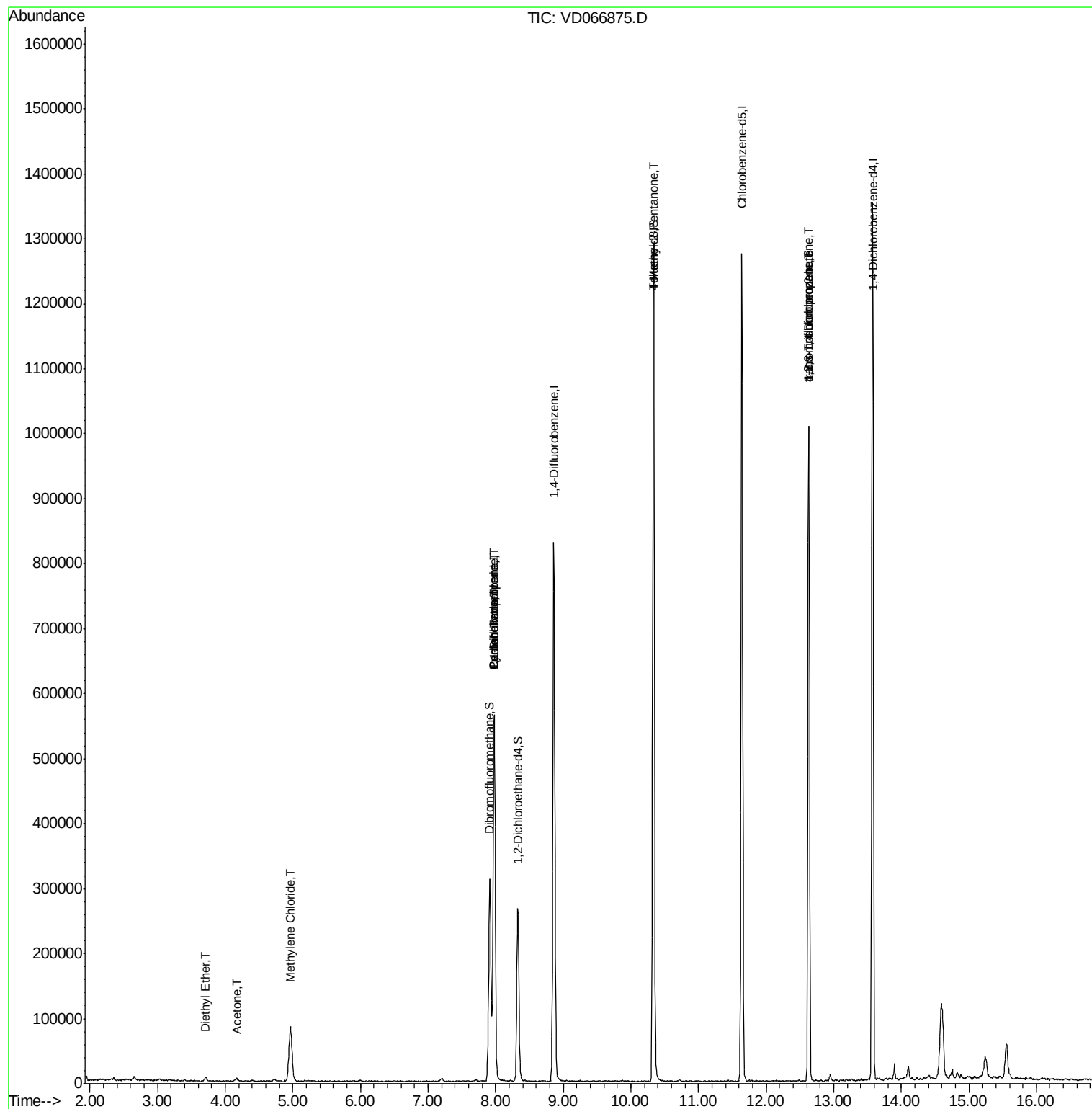
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	141	Below Cal	#	46
8) Diethyl Ether	3.70	74	2225	1.146	ug/l	61
11) Tert butyl alcohol	5.22	59	1896	Below Cal	#	80
16) Acetone	4.16	43	8299	9.747	ug/l	92
18) Methyl Acetate	4.73	43	4270	Below Cal	#	89
20) Methylene Chloride	4.96	84	66237	9.724	ug/l	93
31) Cyclohexane	7.98	56	9549	1.308	ug/l #	40
36) 1,1-Dichloropropene	7.98	75	33964	4.743	ug/l #	48
38) Carbon Tetrachloride	7.97	117	43764	5.590	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	4045	1.600	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	169261	58.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	169261	147.359	ug/l #	10

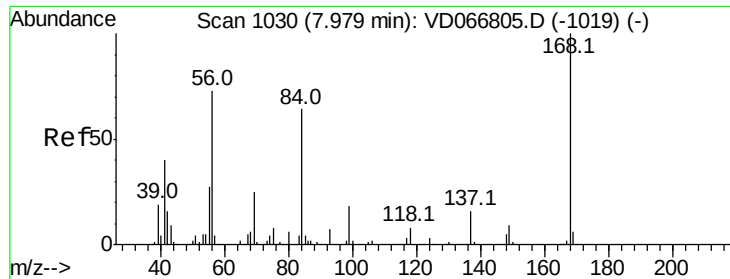
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD092520\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066875.D

Acq: 25 Sep 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

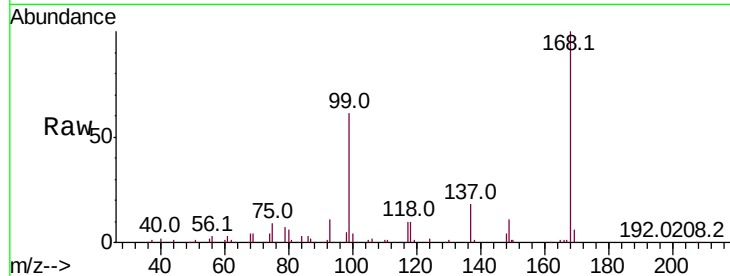
CHRT-20413

Tot Ion:168 Resp: 410096

Ion Ratio Lower Upper

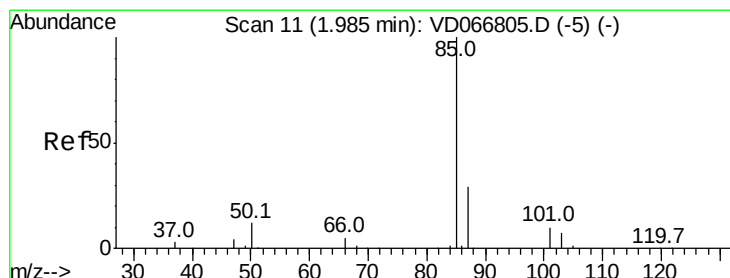
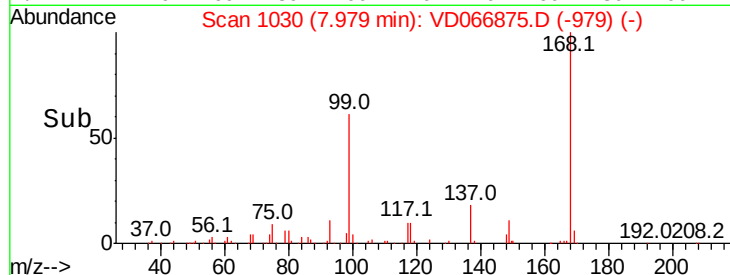
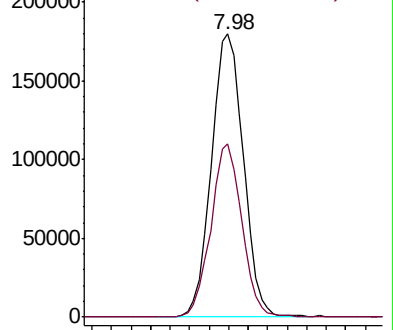
168 100

99 61.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD066875.D

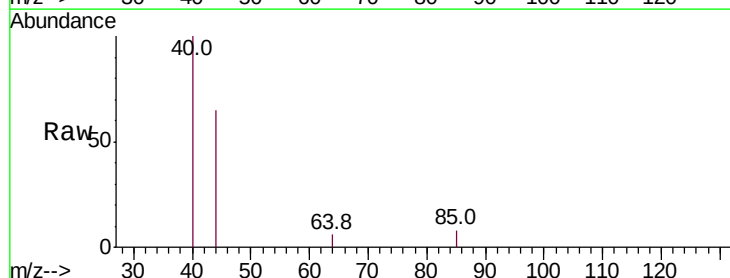
Acq: 25 Sep 2020 15:44

Tgt Ion: 85 Resp: 141

Ion Ratio Lower Upper

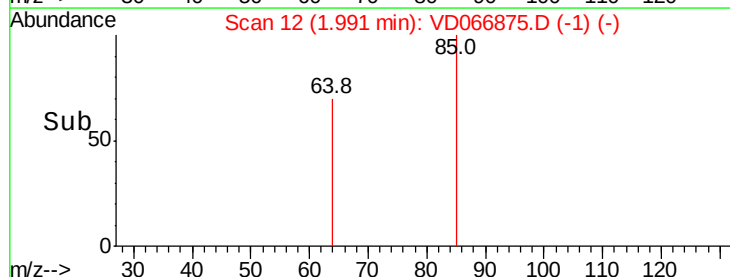
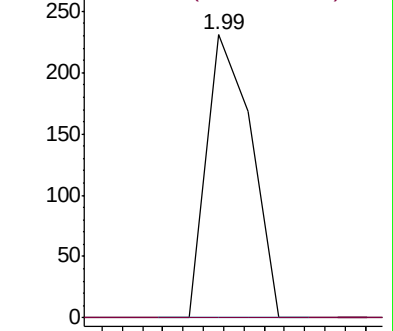
85 100

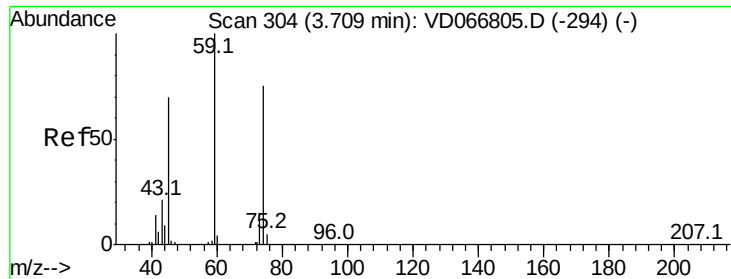
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 1.146 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD066875.D

Acq: 25 Sep 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

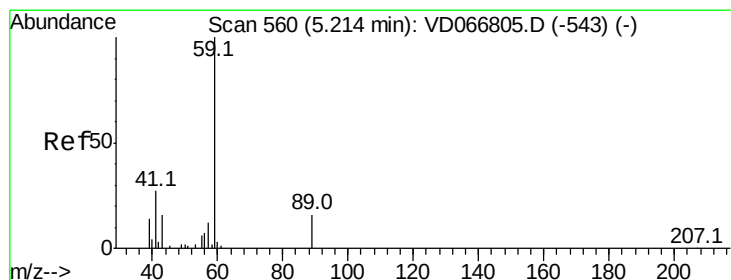
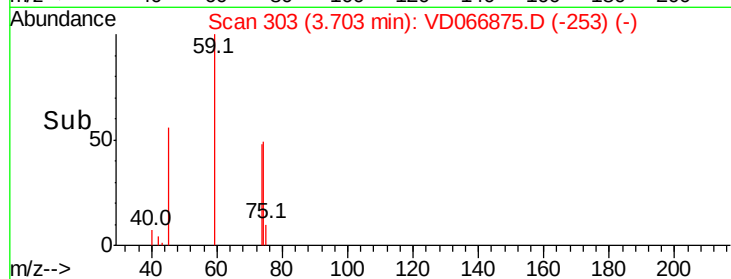
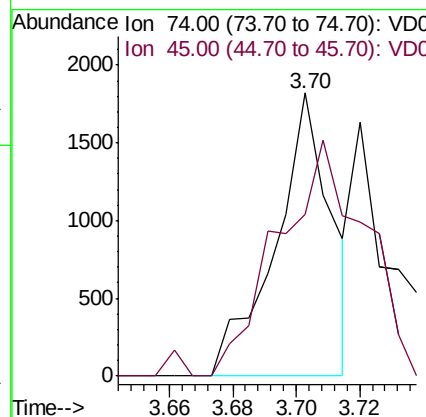
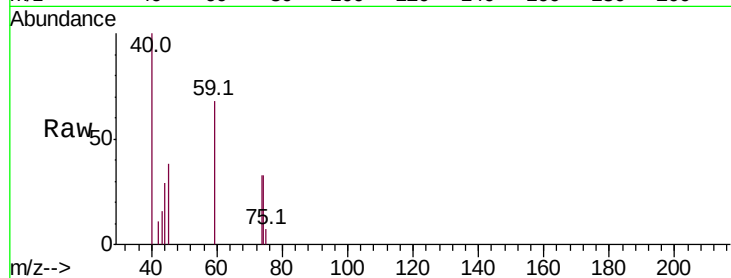
CHRT-20413

Tot Ion: 74 Resp: 2225

Ion Ratio Lower Upper

74 100

45 129.1 46.0 138.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.22 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD066875.D

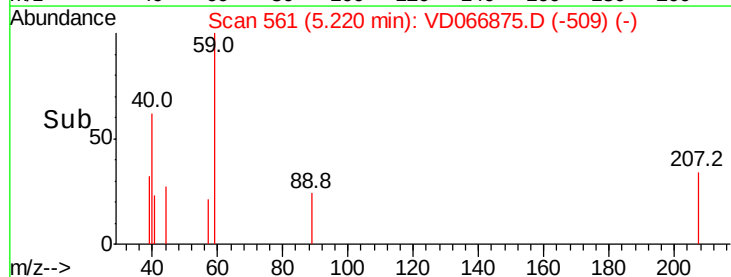
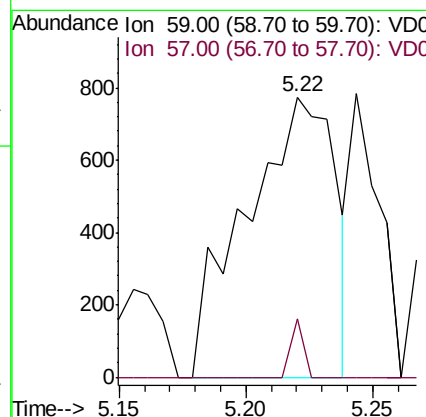
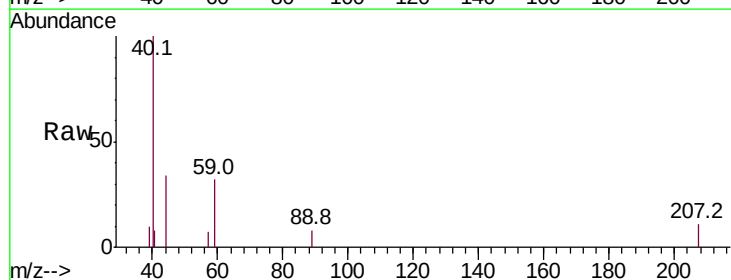
Acq: 25 Sep 2020 15:44

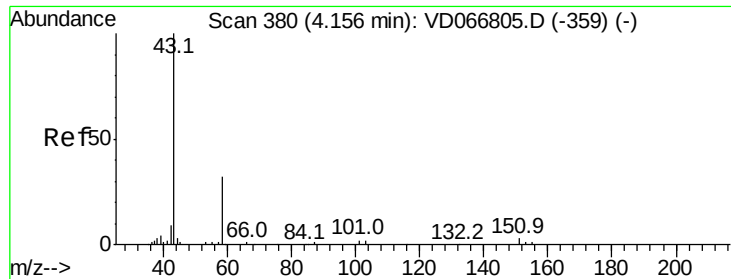
Tgt Ion: 59 Resp: 1896

Ion Ratio Lower Upper

59 100

57 3.0 8.3 12.5#

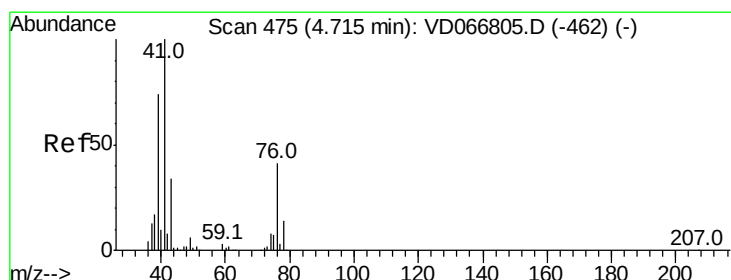
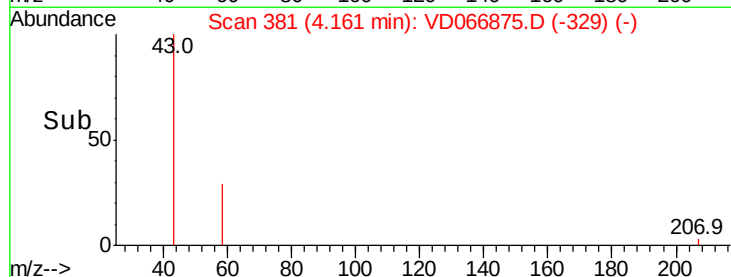
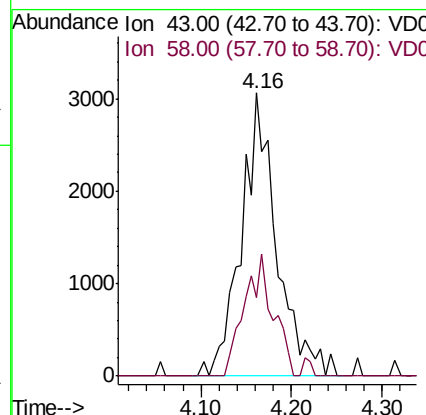
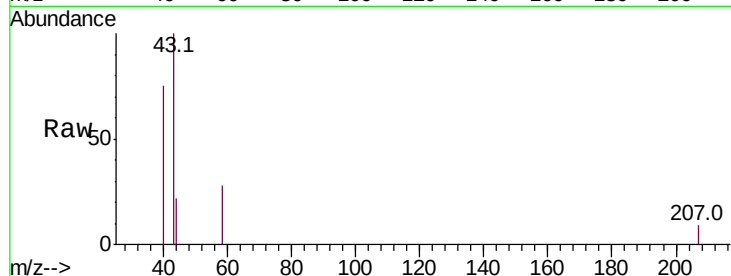




#16
Acetone
Concen: 9.747 ug/l
RT: 4.16 min Scan# 381
Delta R.T. 0.01 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

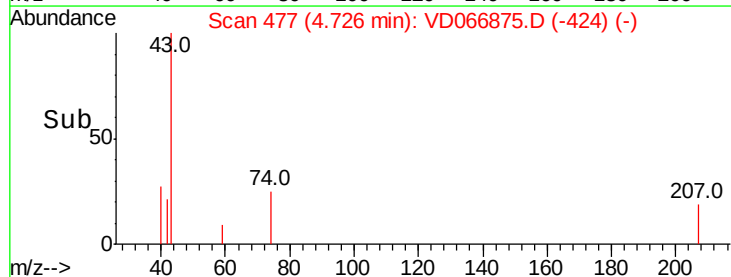
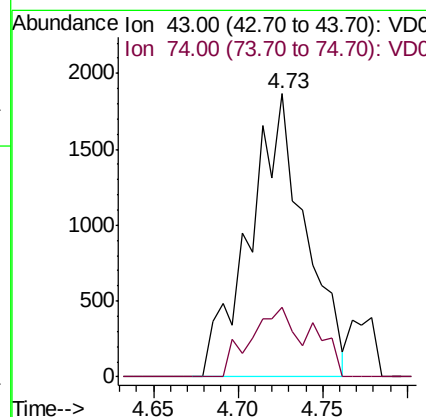
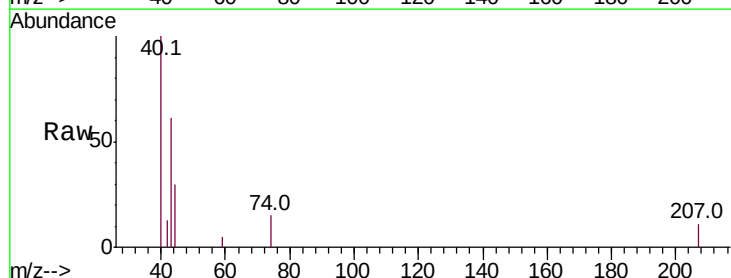
Instrument :
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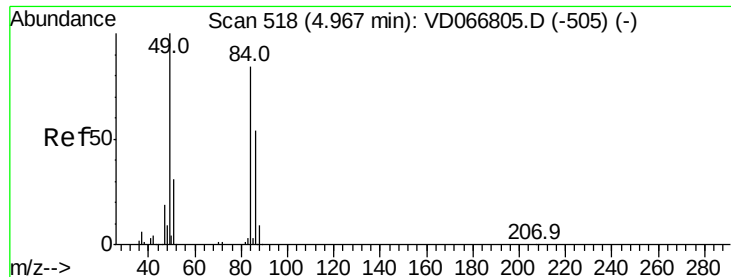
Tot Ion: 43 Resp: 8299
Ion Ratio Lower Upper
43 100
58 27.5 25.6 38.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

Tgt Ion: 43 Resp: 4270
Ion Ratio Lower Upper
43 100
74 19.8 20.3 30.5#

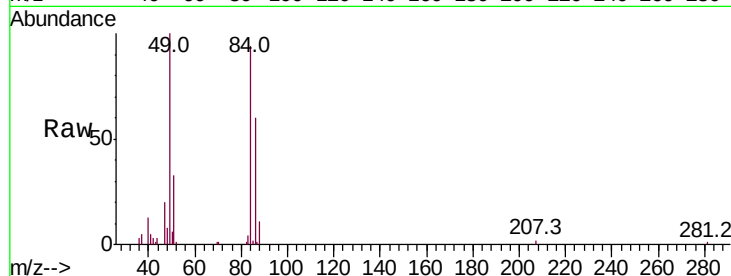




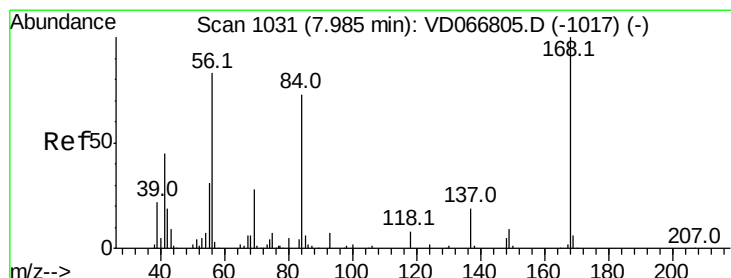
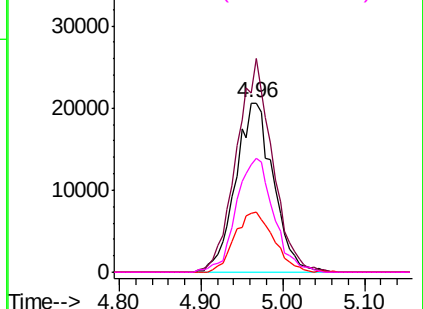
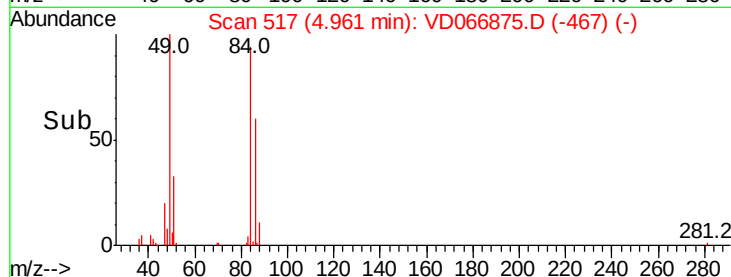
#20
Methylene Chloride
Concen: 9.724 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

Instrument :
MSVOA_D
ClientSampleId :
CHRT-20413

Tot Ion: 84 Resp: 66237
Ion Ratio Lower Upper
84 100
49 106.0 95.4 143.2
51 34.9 29.7 44.5
86 63.3 51.4 77.2

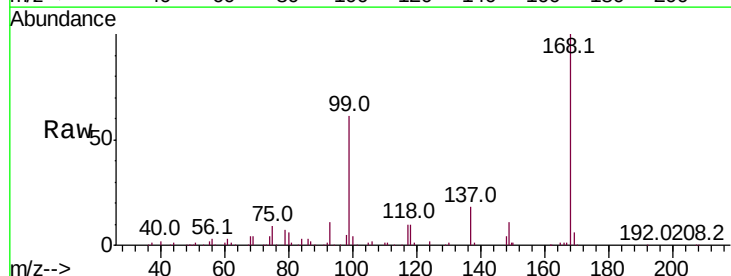


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

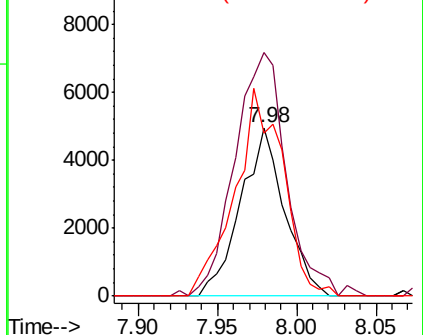
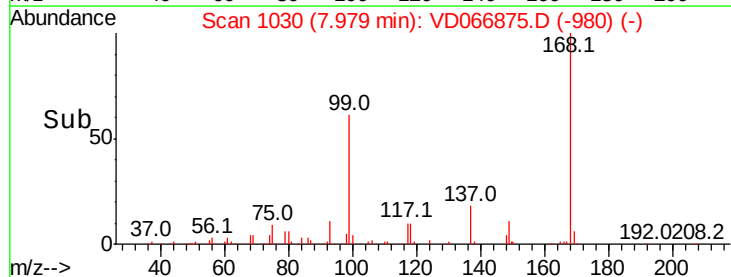


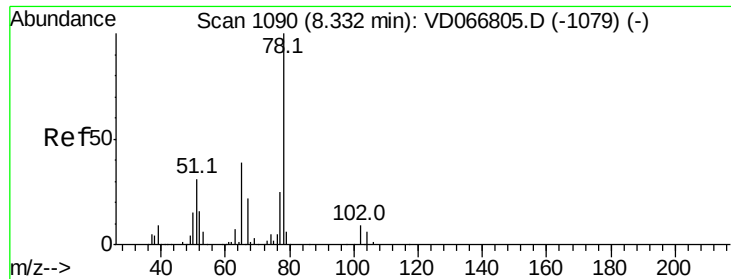
#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

Tgt Ion: 56 Resp: 9549
Ion Ratio Lower Upper
56 100
69 144.3 27.0 40.4#
84 96.3 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: 53.035 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

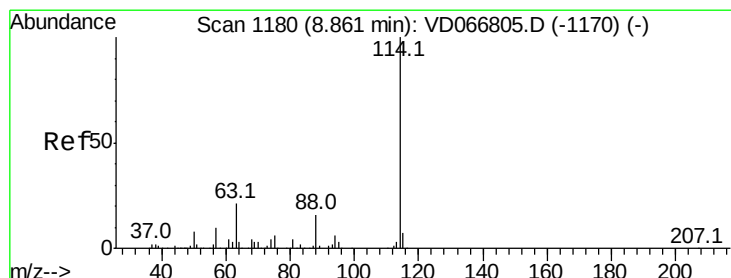
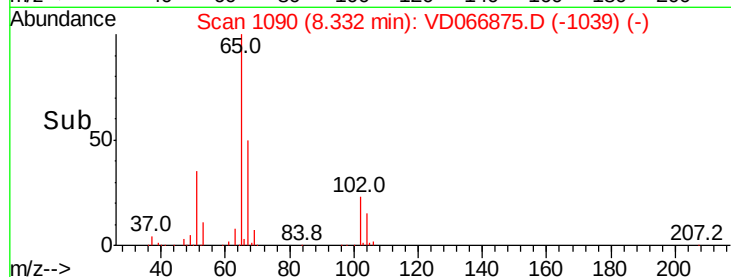
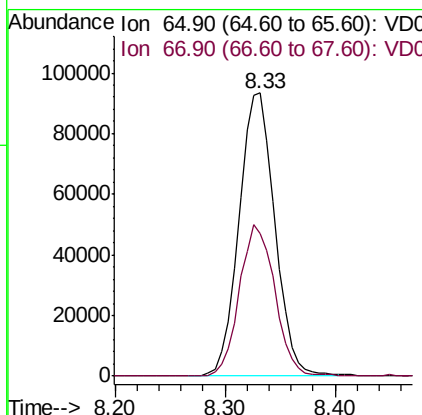
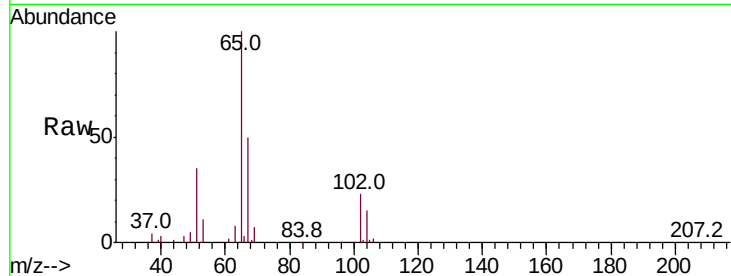
Lab File: VD066875.D

Acq: 25 Sep 2020 15:44

Instrument :
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CHRT-20413

Tot Ion: 65 Resp: 212874

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

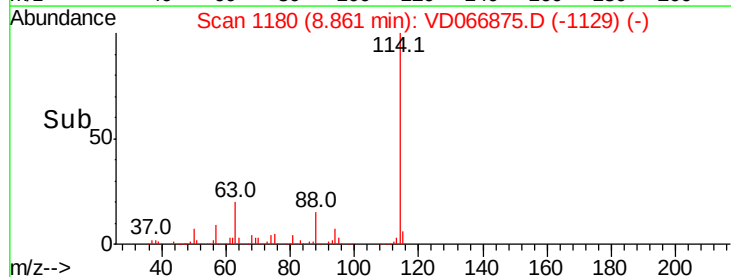
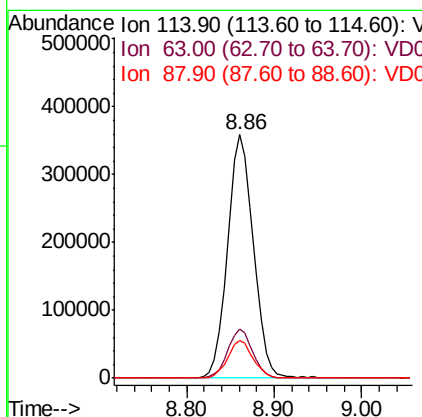
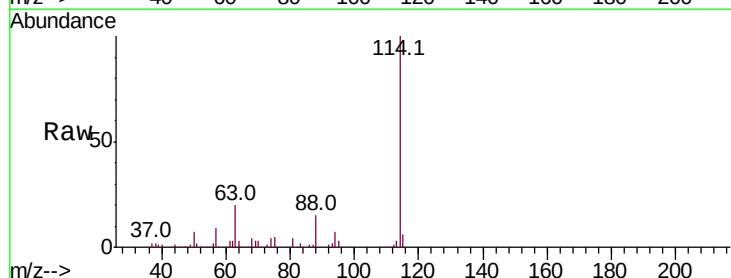
Delta R.T. -0.00 min

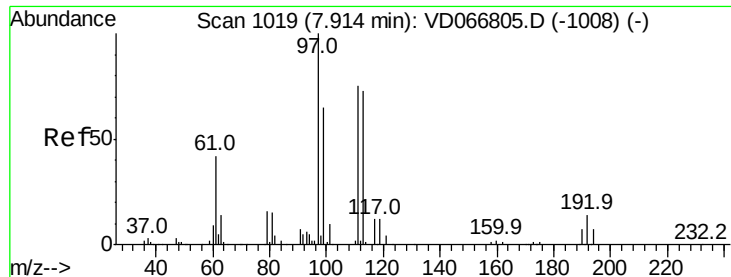
Lab File: VD066875.D

Acq: 25 Sep 2020 15:44

Tgt Ion: 114 Resp: 721794

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	42.6
88	15.3	0.0	32.6

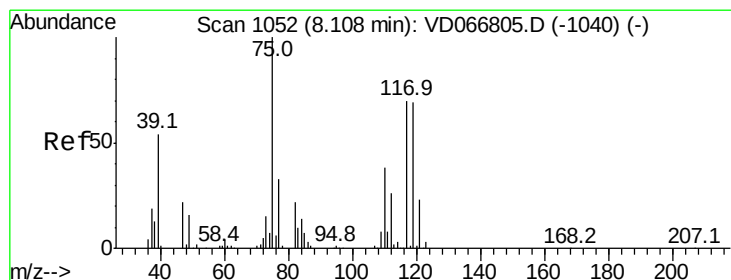
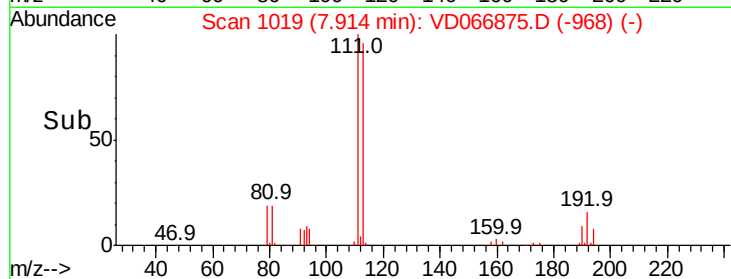
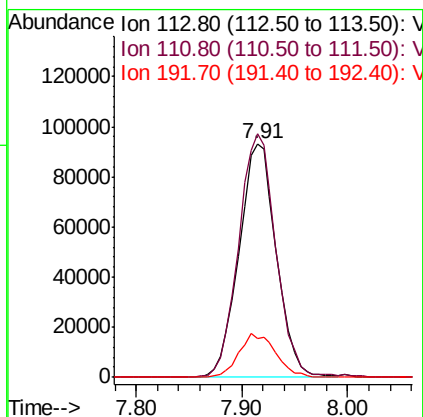
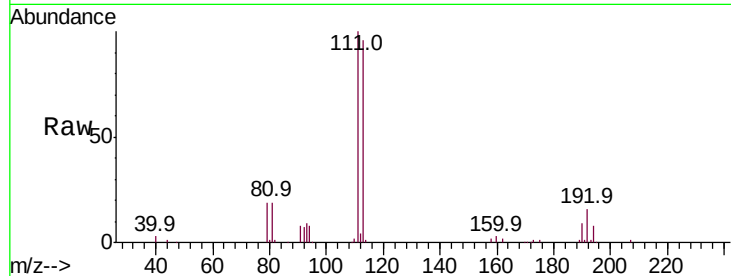




#35
 Dibromofluoromethane
 Concen: 49.743 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066875.D
 Acq: 25 Sep 2020 15:44

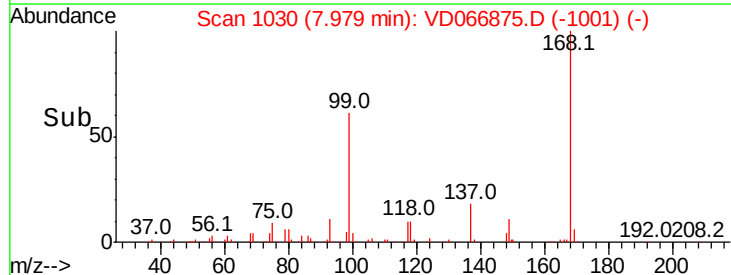
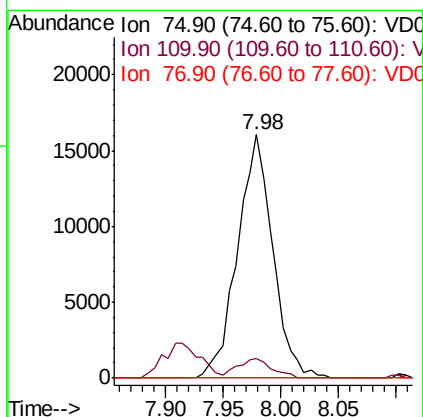
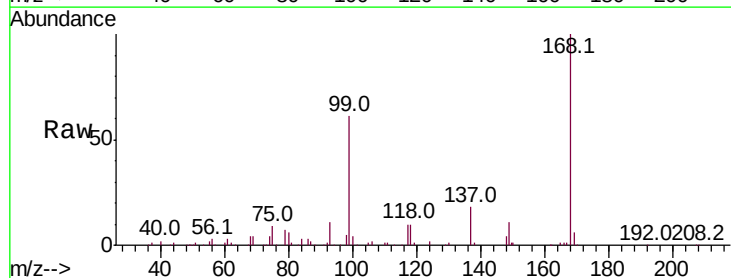
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-20413

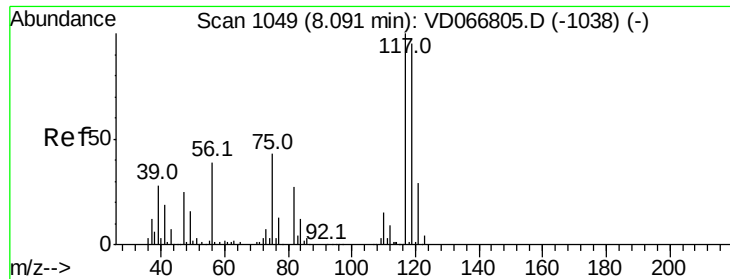
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	18.7	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 4.743 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066875.D
 Acq: 25 Sep 2020 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.9	53.8#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.590 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066875.D

Acq: 25 Sep 2020 15:44

Instrument :

MSVOA_D

ClientSampleId :

CHRT-20413

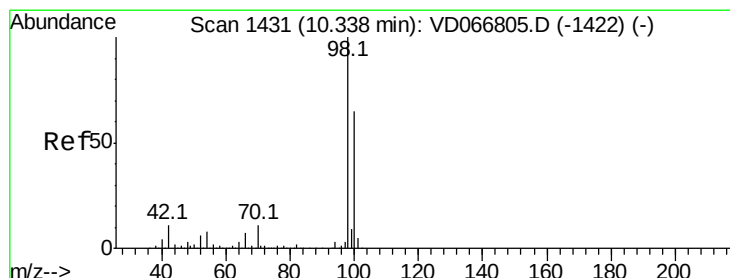
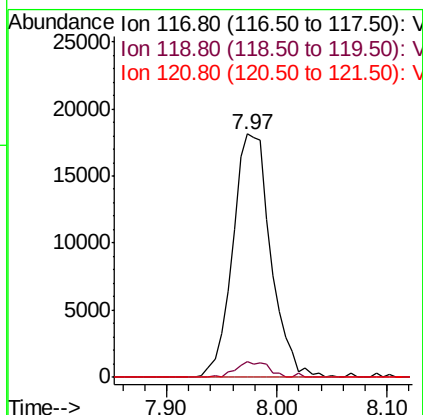
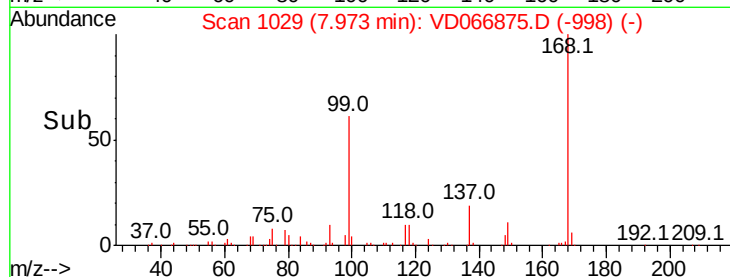
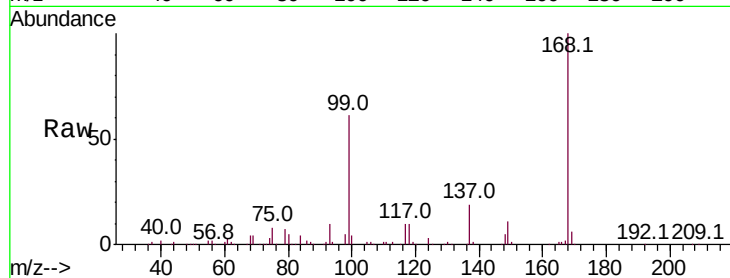
Tot Ion:117 Resp: 43764

Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.8#

121 0.0 23.4 35.0#



#50

Toluene-d8

Concen: 55.586 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066875.D

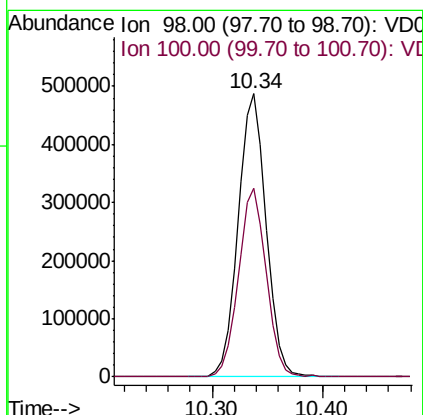
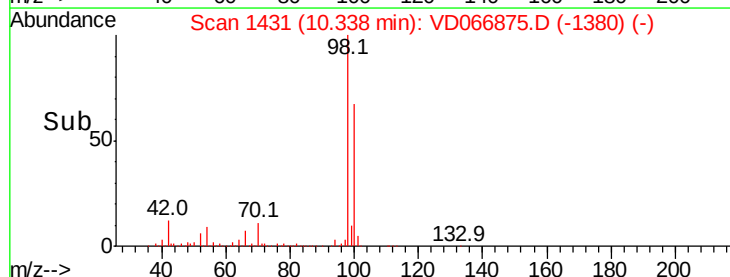
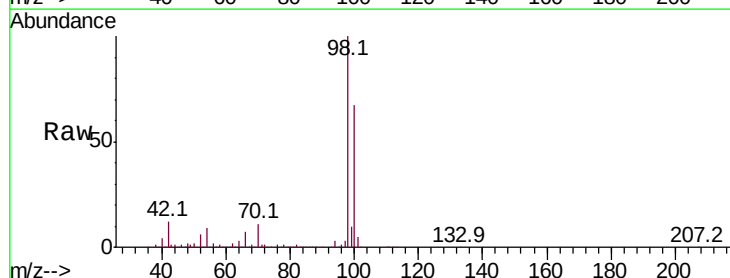
Acq: 25 Sep 2020 15:44

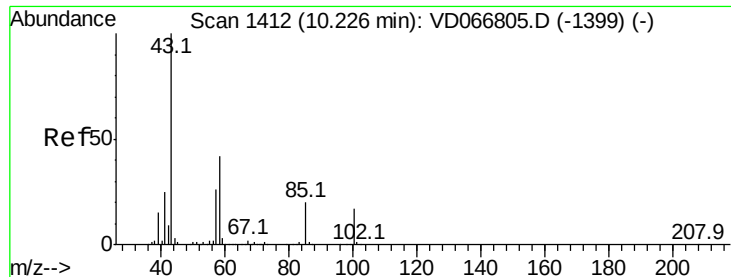
Tgt Ion: 98 Resp: 869693

Ion Ratio Lower Upper

98 100

100 66.0 52.2 78.2

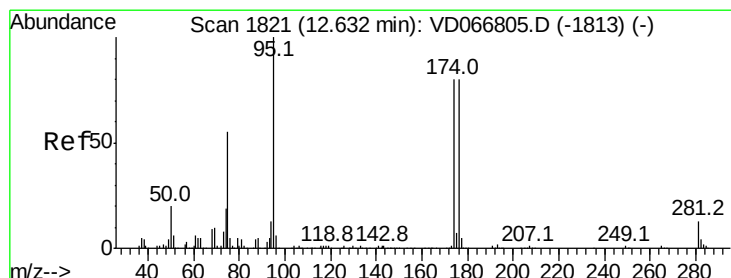
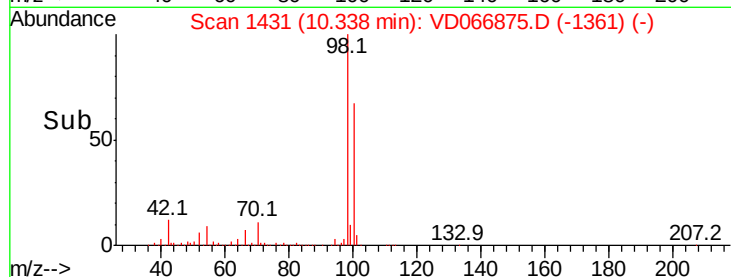
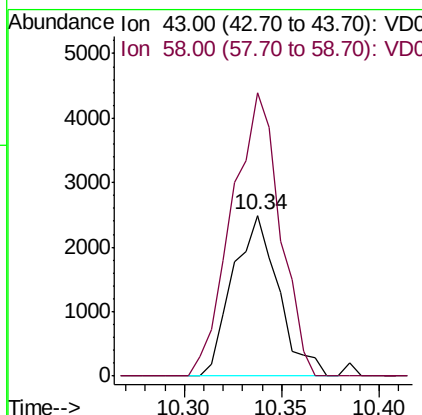
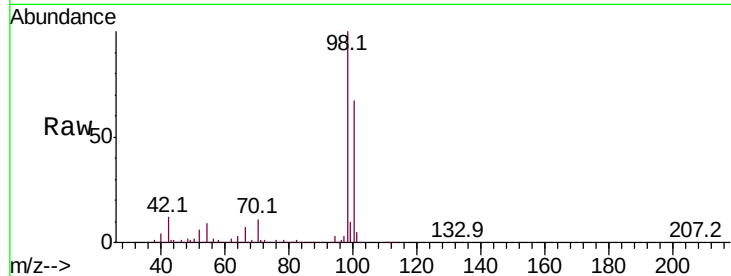




#51
4-Methyl-2-Pentanone
Concen: 1.600 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

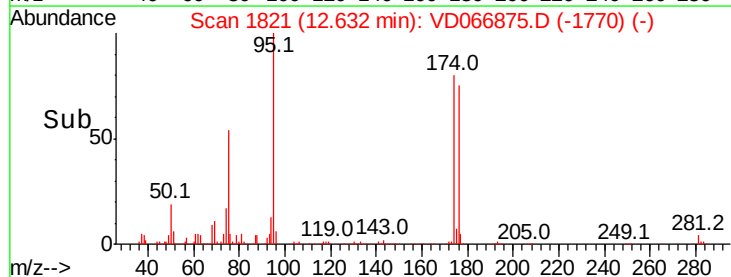
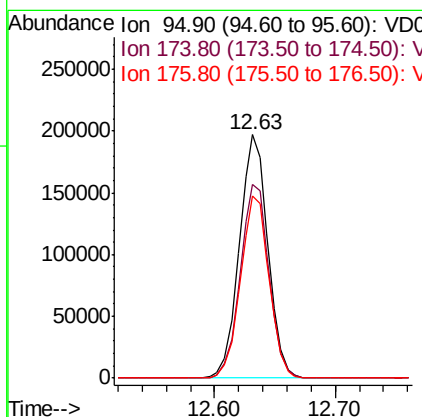
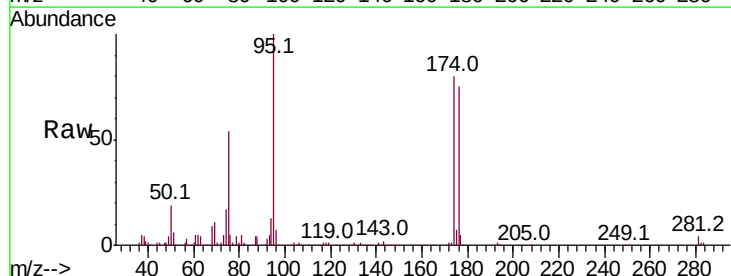
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20413

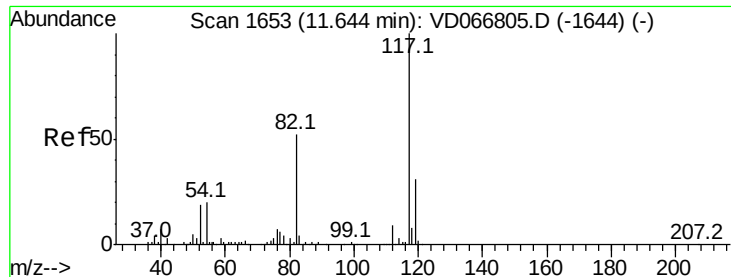
Tot Ion: 43 Resp: 4045
Ion Ratio Lower Upper
43 100
58 186.6 32.2 48.4#



#62
4-Bromofluorobenzene
Concen: 60.333 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

Tgt Ion: 95 Resp: 323150
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.8
176 75.2 0.0 154.4

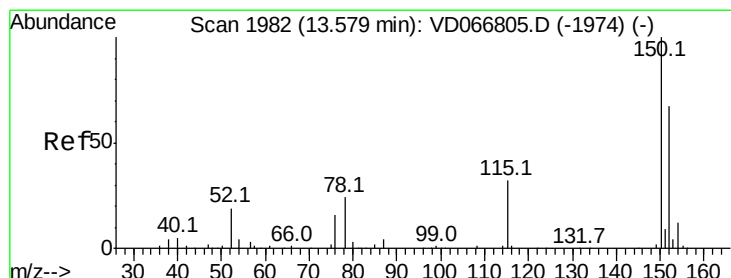
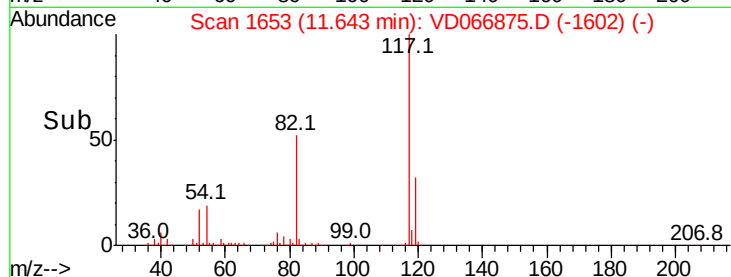
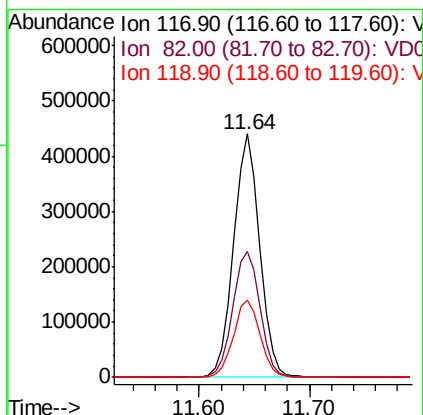
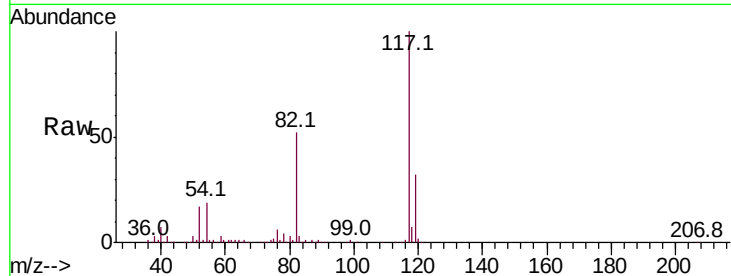




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

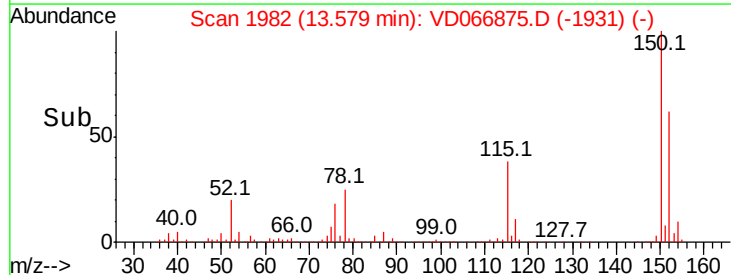
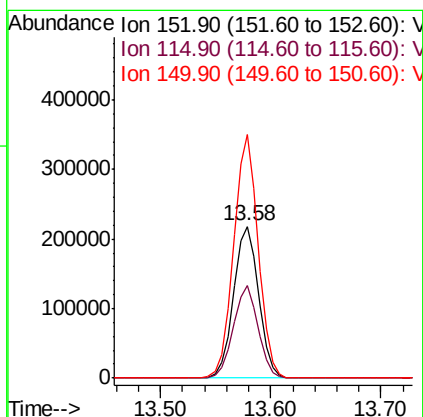
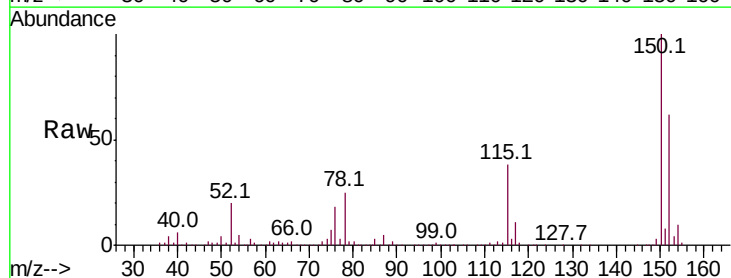
Instrument :
MSVOA_D
ClientSampleId :
CHRT-20413

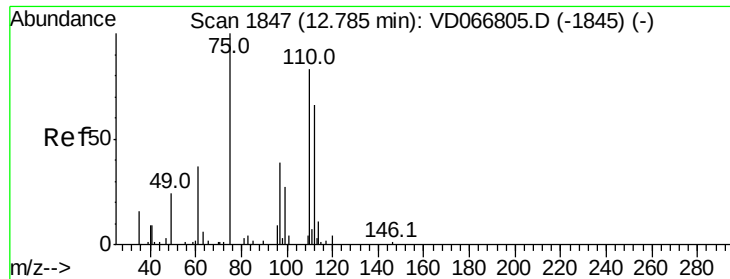
Tot Ion:117 Resp: 730528
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.6
119 31.5 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066875.D
Acq: 25 Sep 2020 15:44

Tgt Ion:152 Resp: 346773
Ion Ratio Lower Upper
152 100
115 60.0 30.3 91.0
150 156.5 0.0 346.2

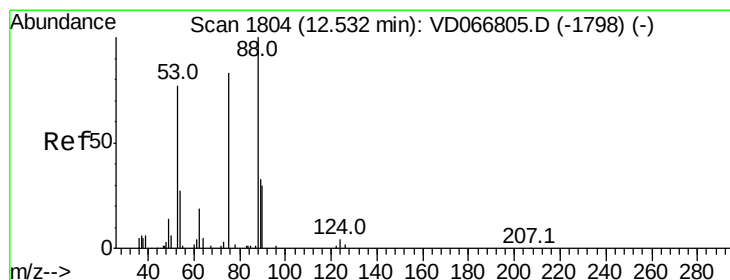
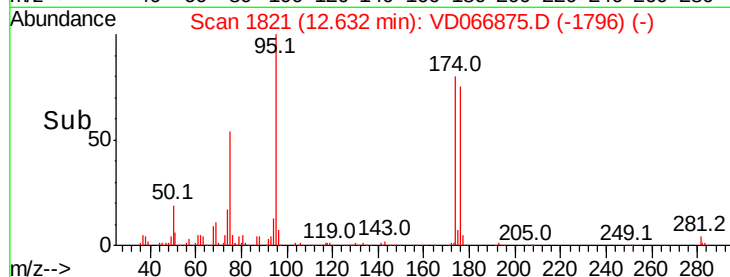
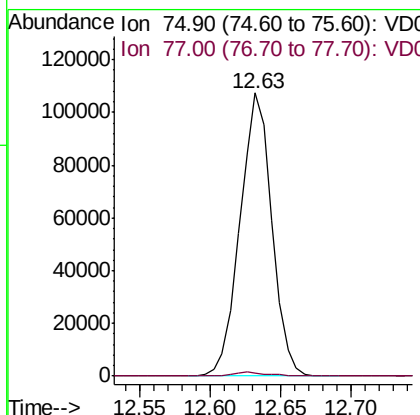
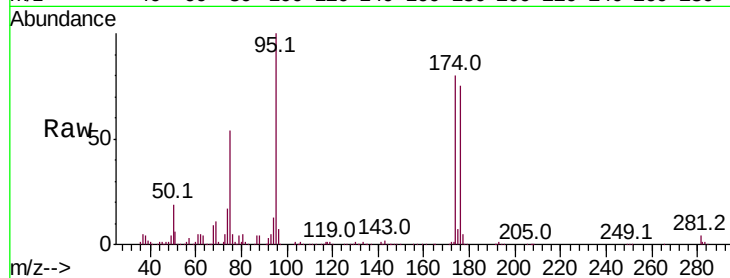




#76
 1,2,3-Trichloropropane
 Concen: 58.898 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066875.D
 Acq: 25 Sep 2020 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-20413

Tot Ion: 75 Resp: 169261
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.359 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066875.D
 Acq: 25 Sep 2020 15:44

Tgt Ion: 75 Resp: 169261
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 38.1 57.1#

