

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082620\
 Data File : VX018081.D
 Acq On : 26 Aug 2020 16:42
 Operator : JC/SP
 Sample : L3785-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT-09

Quant Time: Aug 27 04:05:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	449302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	731910	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	725134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	323697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	321565	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	5.46	113	249107	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	8.70	98	915368	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.12	95	329885	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds

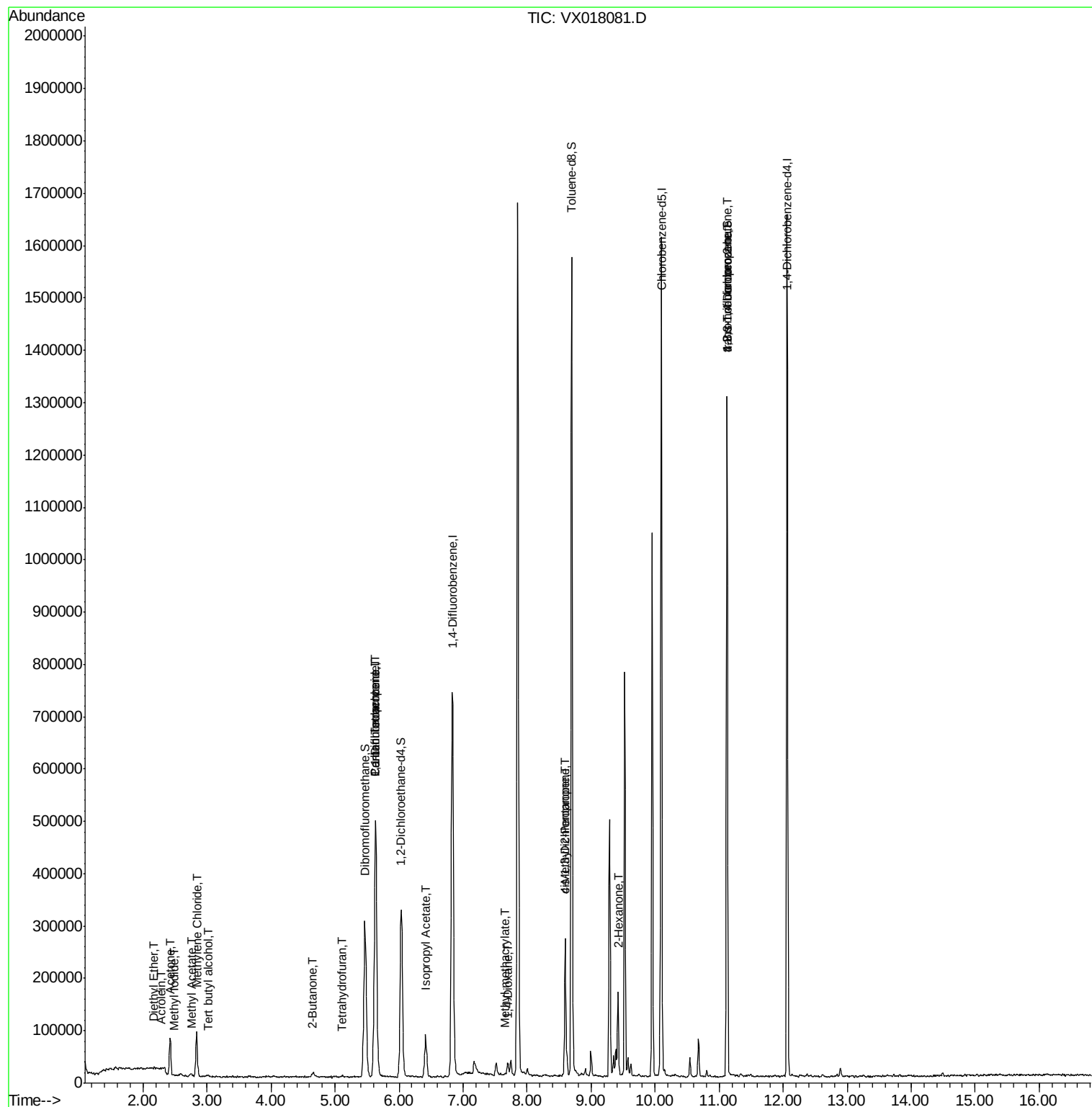
	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	1174	0.442	ug/l	96
10) Methyl Iodide	2.49	142	184	5.323	ug/l #	27
11) Tert butyl alcohol	3.02	59	3146	2.594	ug/l #	64
13) Acrolein	2.28	56	259	0.515	ug/l #	14
16) Acetone	2.42	43	76542	31.492	ug/l	95
18) Methyl Acetate	2.76	43	8704	1.484	ug/l	98
20) Methylene Chloride	2.84	84	38052	6.644	ug/l	90
25) 2-Butanone	4.65	43	11266	2.820	ug/l	99
29) Tetrahydrofuran	5.09	42	707	0.278	ug/l #	64
36) 1,1-Dichloropropene	5.63	75	35346	5.236	ug/l #	53
38) Carbon Tetrachloride	5.64	117	47908	6.297	ug/l #	16
43) Isopropyl Acetate	6.42	43	106931	8.444	ug/l	99
48) Methyl methacrylate	7.66	41	6155	0.976	ug/l #	19
49) 1,4-Dioxane	7.69	88	72	0.630	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	103081	13.177	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	42490	4.821	ug/l #	60
59) 2-Hexanone	9.42	43	112931	18.986	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	171783	23.856	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	171783	64.432	ug/l #	12

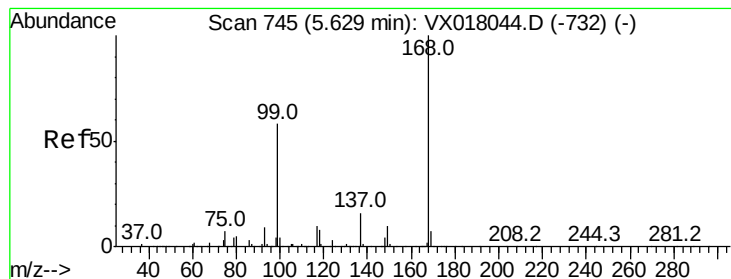
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampleId :

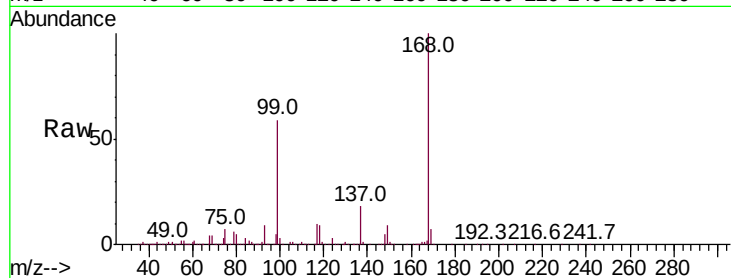
CHRT-09

Tot Ion:168 Resp: 449302

Ion Ratio Lower Upper

168 100

99 58.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VX018044.D (-732) (-)

Ion 98.90 (98.60 to 99.60): VX018044.D (-732) (-)

5.64

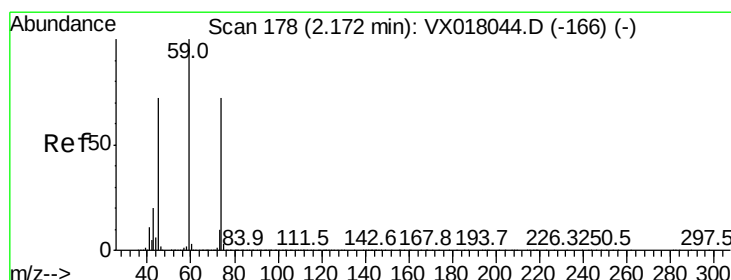
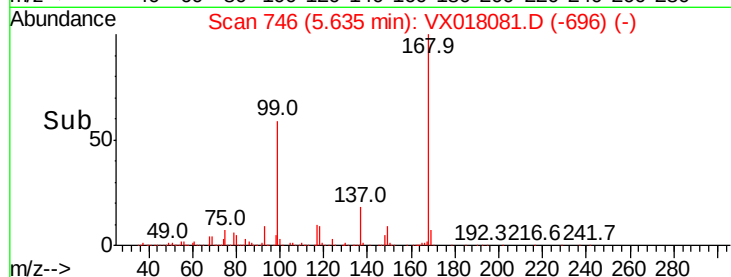
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.442 ug/l

RT: 2.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VX018081.D

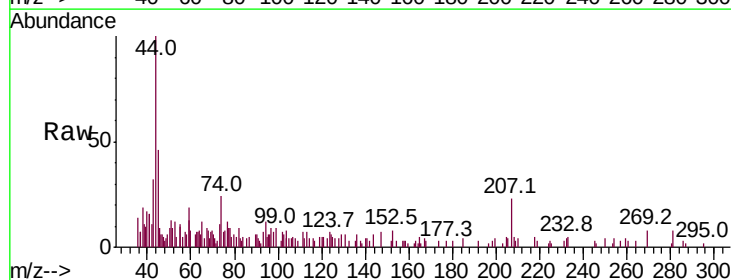
Acq: 26 Aug 2020 16:42

Tgt Ion: 74 Resp: 1174

Ion Ratio Lower Upper

74 100

45 105.3 50.7 152.3



Abundance Ion 74.00 (73.70 to 74.70): VX018044.D (-166) (-)

Ion 45.00 (44.70 to 45.70): VX018044.D (-166) (-)

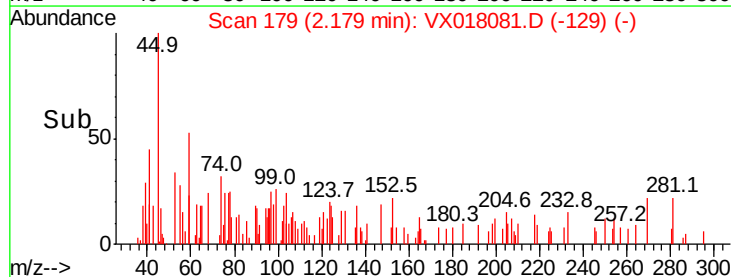
1500

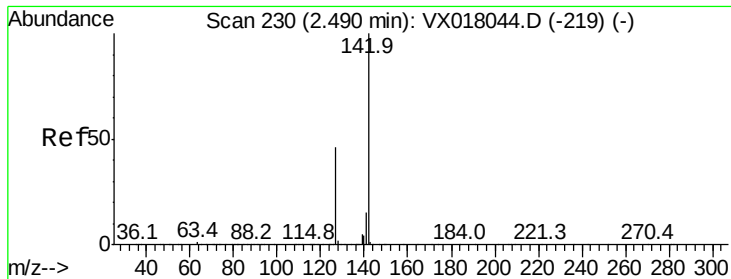
1000

500

0

Time-->

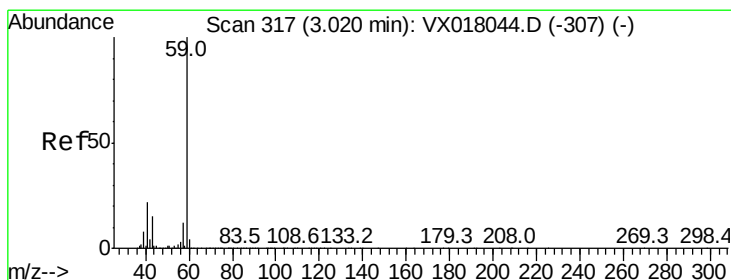
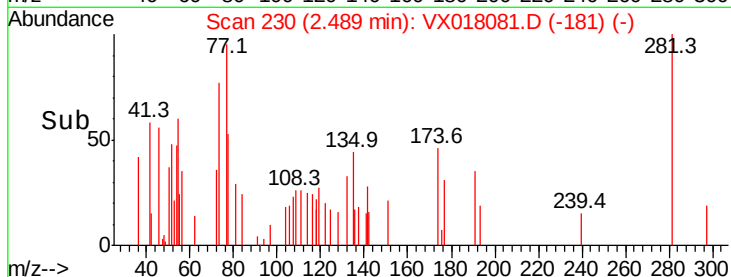
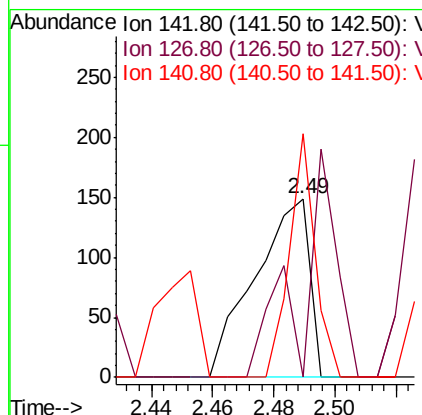
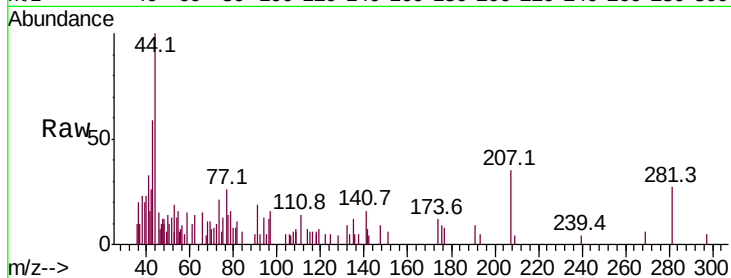




#10
Methvl Iodide
Concen: 5.323 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

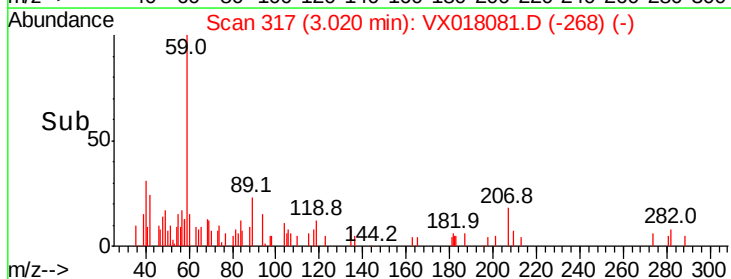
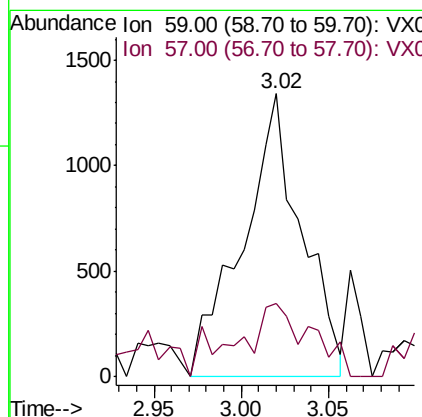
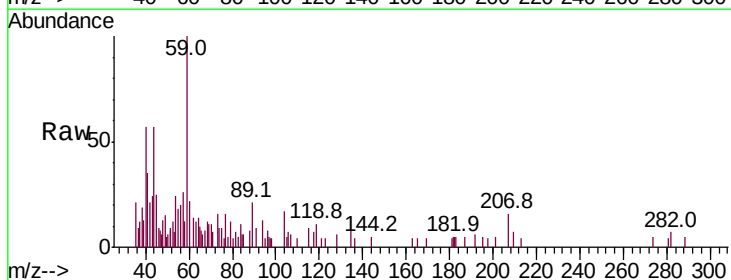
Instrument :
MSVOA_X
ClientSampled :
CHRT-09

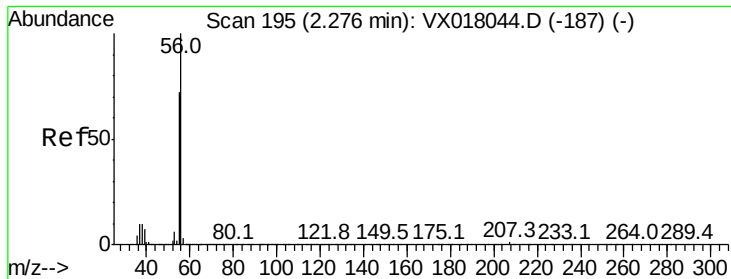
Tot Ion:142 Resp: 184
Ion Ratio Lower Upper
142 100
127 84.2 37.0 55.6#
141 64.7 11.5 17.3#



#11
Tert butyl alcohol
Concen: 2.594 ug/l
RT: 3.02 min Scan# 317
Delta R.T. -0.00 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

Tgt Ion: 59 Resp: 3146
Ion Ratio Lower Upper
59 100
57 24.9 8.9 13.3#





#13

Acrolein

Concen: 0.515 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampleId :

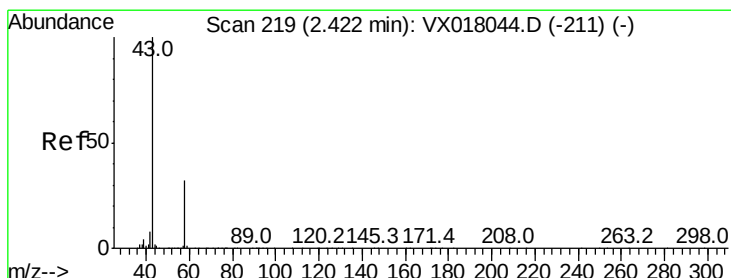
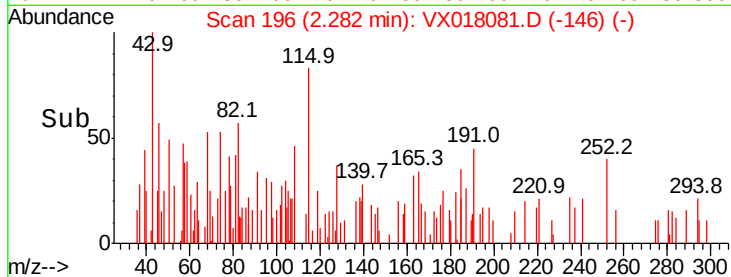
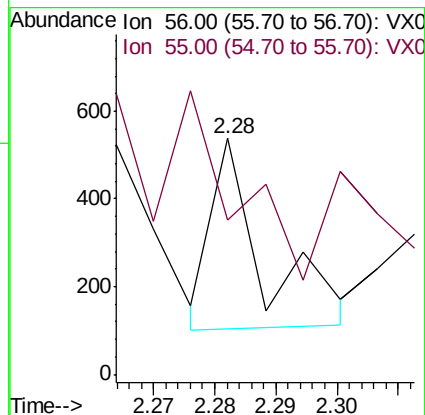
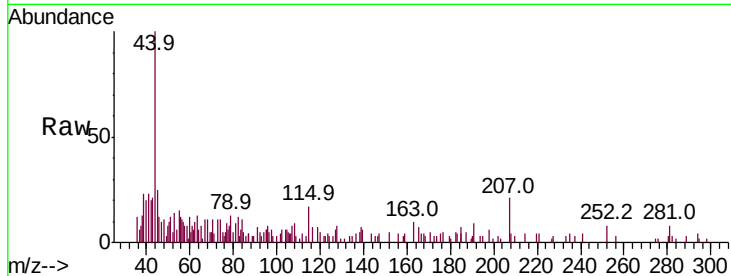
CHRT-09

Tot Ion: 56 Resp: 259

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.6#



#16

Acetone

Concen: 31.492 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018081.D

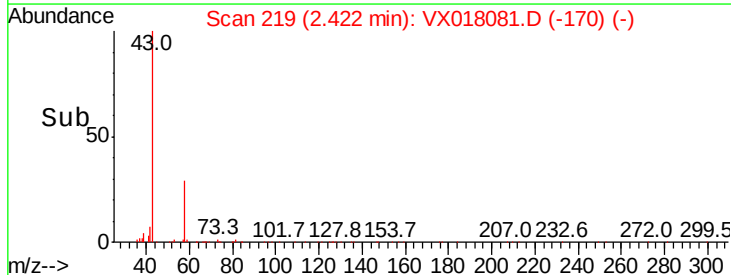
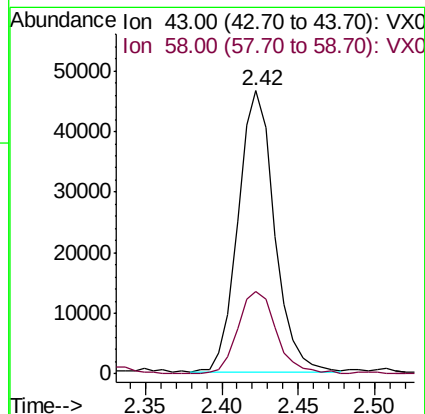
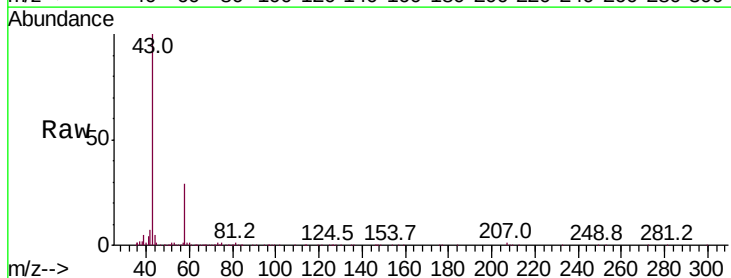
Acq: 26 Aug 2020 16:42

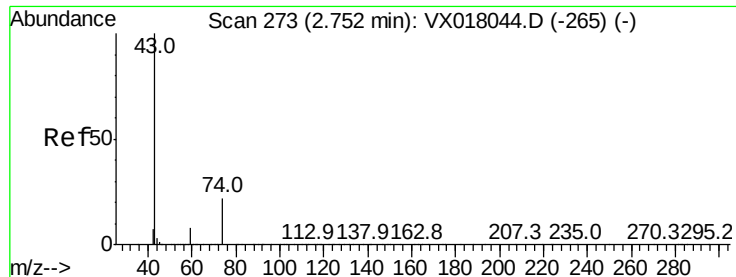
Tgt Ion: 43 Resp: 76542

Ion Ratio Lower Upper

43 100

58 29.0 25.5 38.3

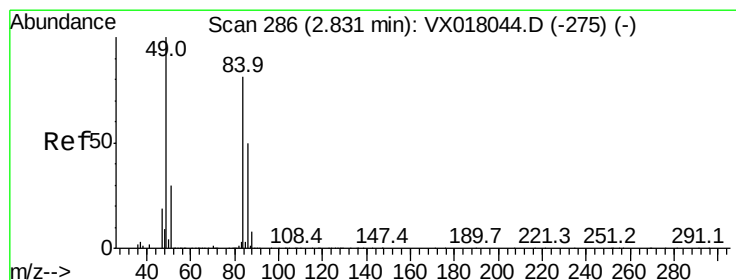
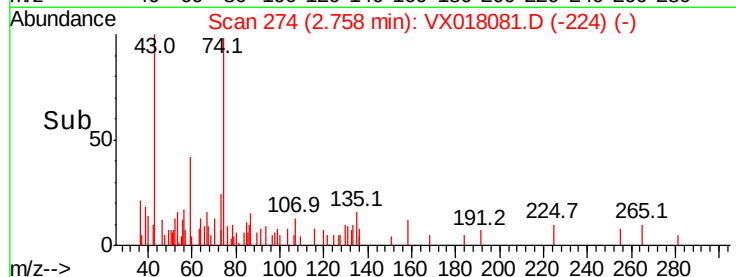
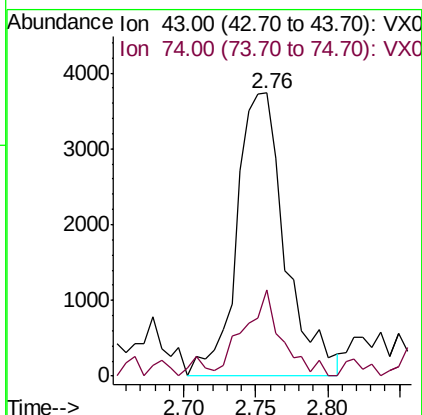
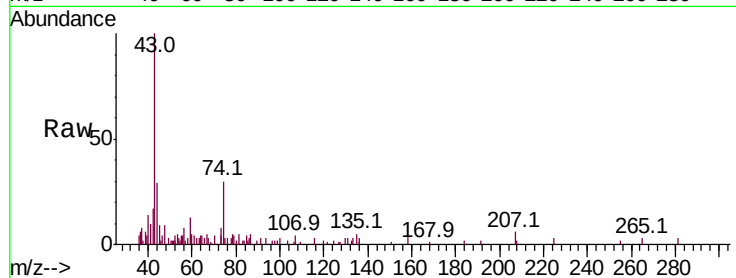




#18
Methyl Acetate
Concen: 1.484 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

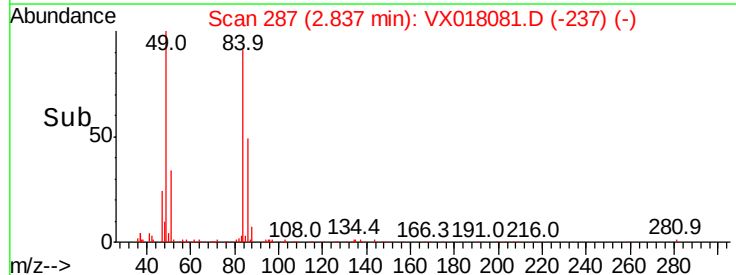
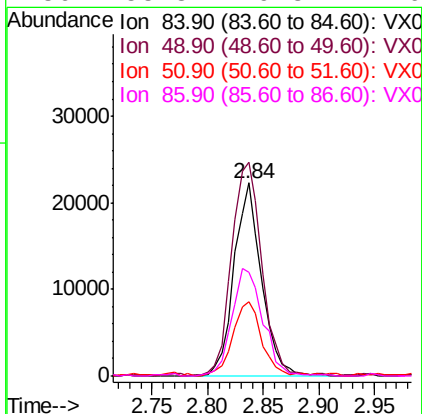
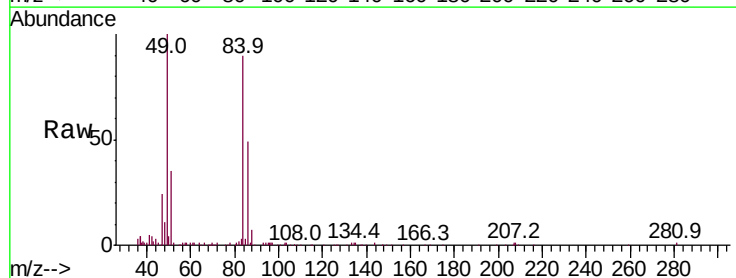
Instrument :
MSVOA_X
ClientSampleId :
CHRT-09

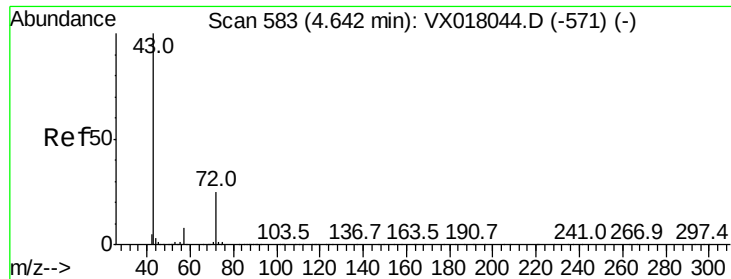
Tot Ion: 43 Resp: 8704
Ion Ratio Lower Upper
43 100
74 23.5 18.2 27.4



#20
Methylene Chloride
Concen: 6.644 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

Tgt Ion: 84 Resp: 38052
Ion Ratio Lower Upper
84 100
49 110.2 98.6 148.0
51 37.2 29.6 44.4
86 53.8 49.8 74.6

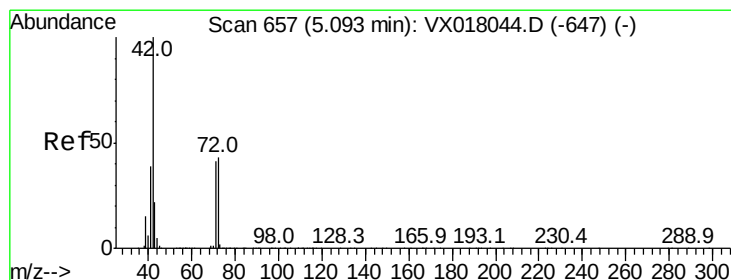
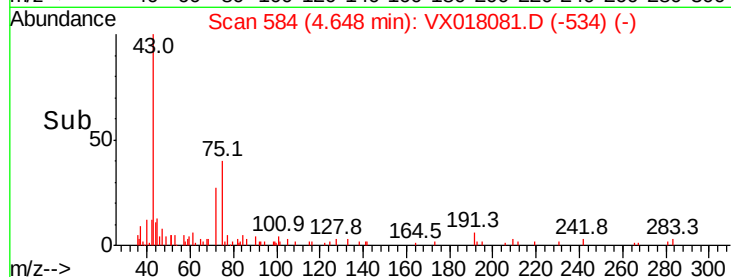
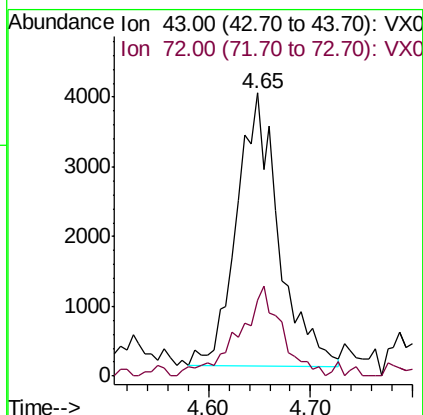
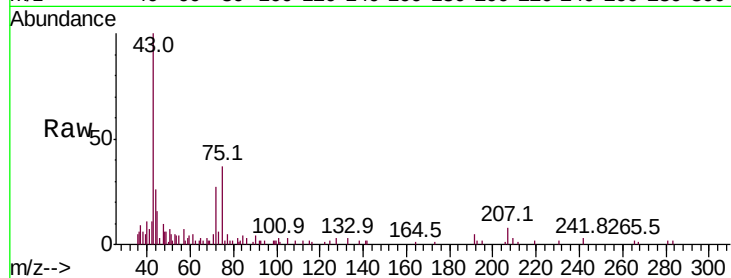




#25
2-Butanone
Concen: 2.820 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

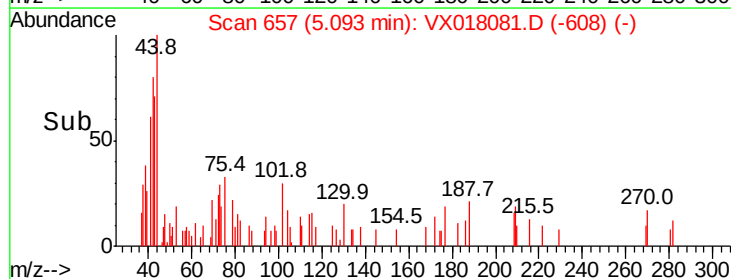
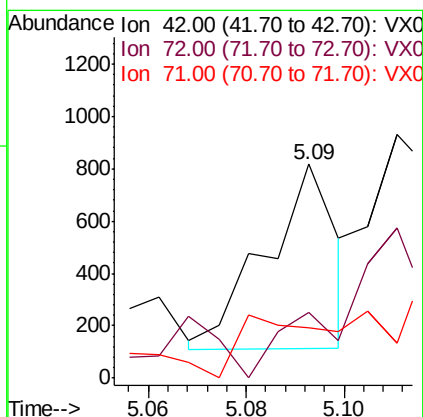
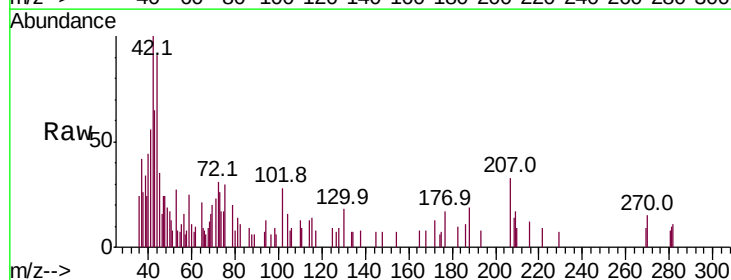
Instrument :
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ClientSampleId :
CHRT-09

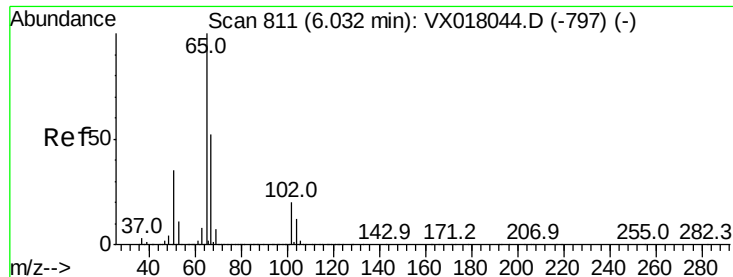
Tot Ion: 43 Resp: 11266
Ion Ratio Lower Upper
43 100
72 24.4 19.8 29.6



#29
Tetrahydrofuran
Concen: 0.278 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

Tgt Ion: 42 Resp: 707
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 41.9 32.1 48.1





#33

1,2-Dichloroethane-d4

Concen: 51.554 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

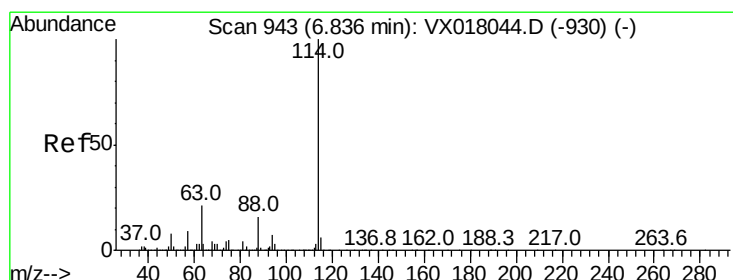
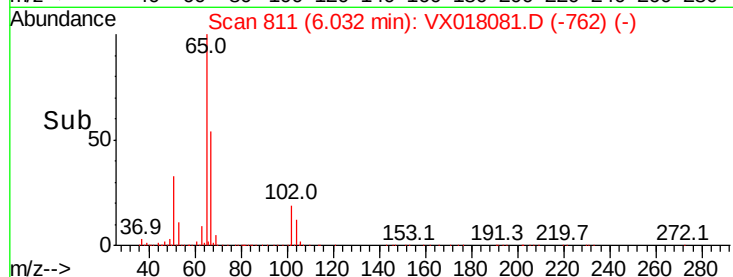
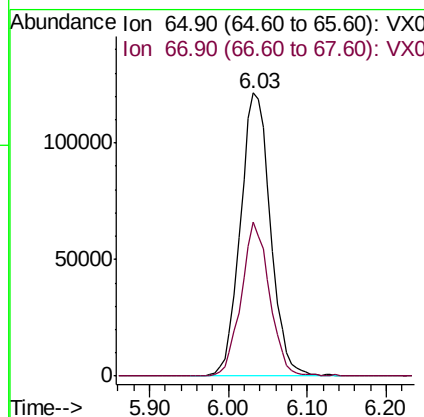
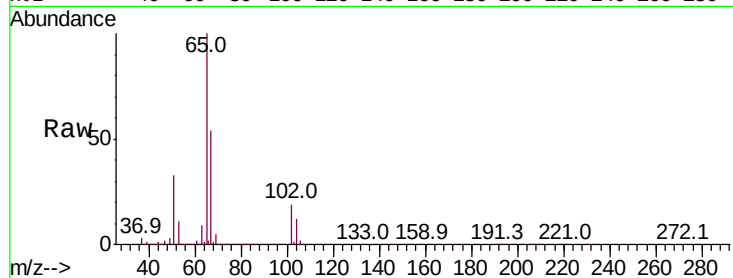
Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :
MSVOA_X
ClientSampleId :
CHRT-09

Tot Ion: 65 Resp: 321565

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

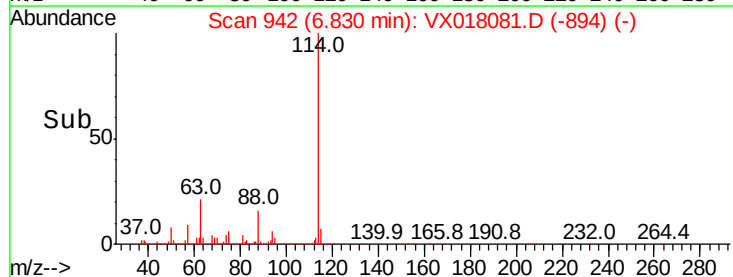
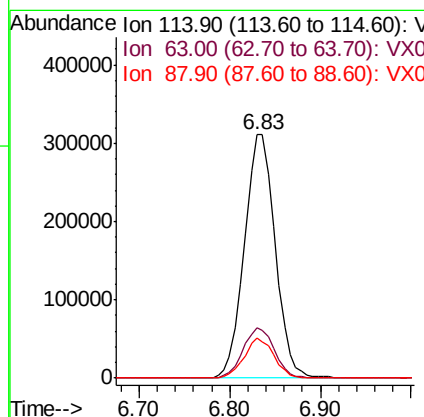
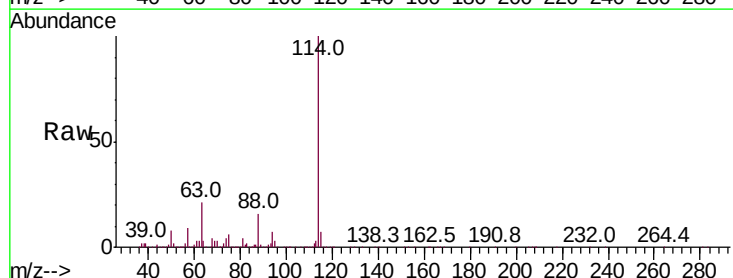
Delta R.T. -0.01 min

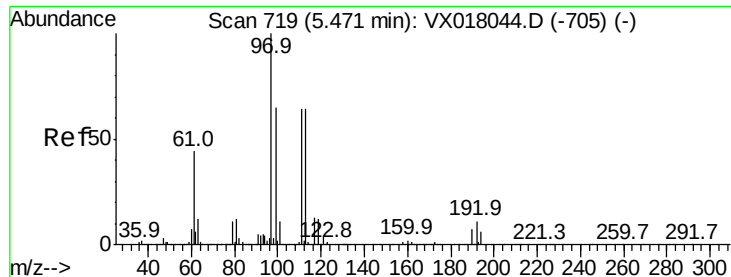
Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Tgt Ion: 114 Resp: 731910

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	42.6
88	16.3	0.0	31.8





#35

Dibromofluoromethane

Concen: 49.975 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampled :

CHRT-09

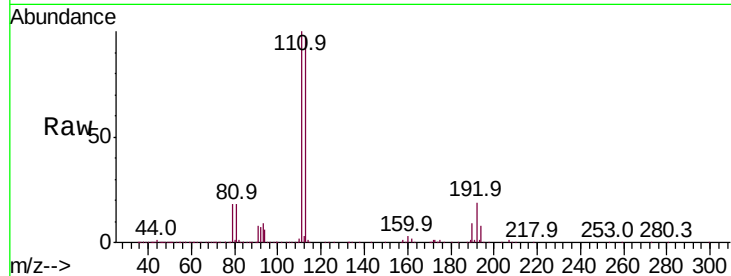
Tot Ion:113 Resp: 249107

Ion Ratio Lower Upper

113 100

111 105.9 81.6 122.4

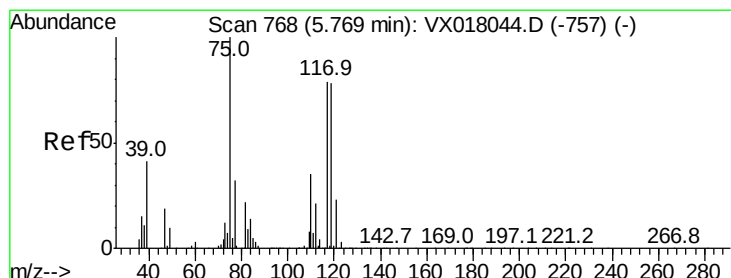
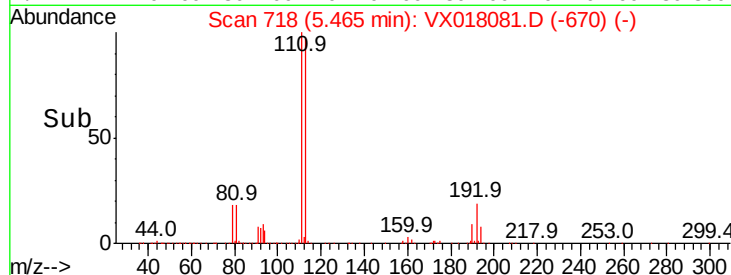
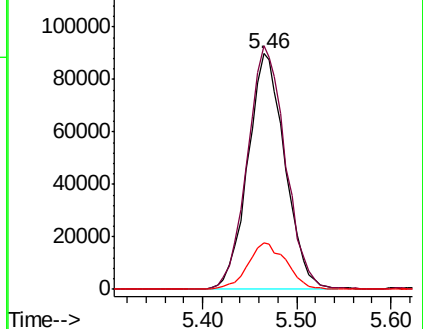
192 20.5 15.8 23.8



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: 5.236 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

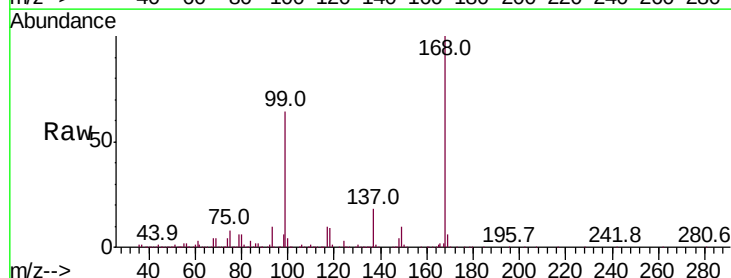
Tgt Ion: 75 Resp: 35346

Ion Ratio Lower Upper

75 100

110 12.2 18.0 54.0#

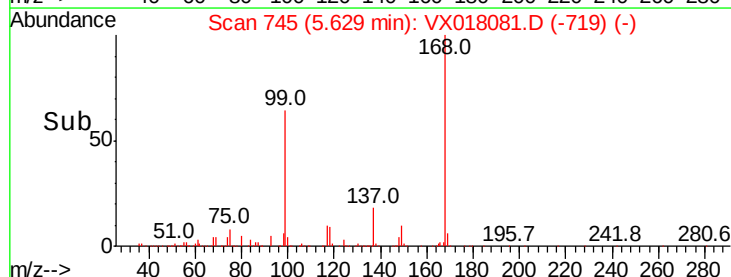
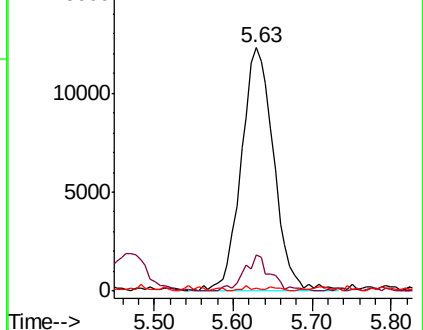
77 0.8 24.4 36.6#

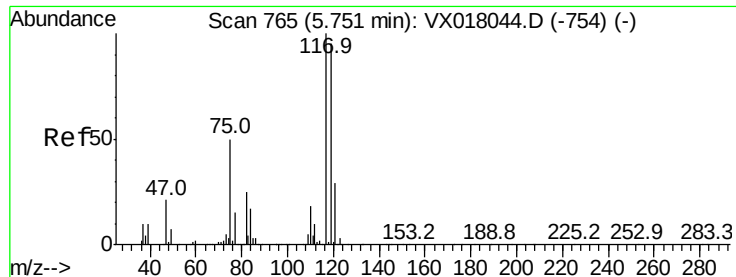


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.297 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampleId :

CHRT-09

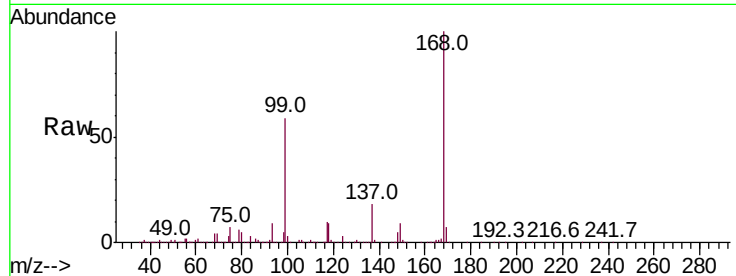
Tot Ion:117 Resp: 47908

Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

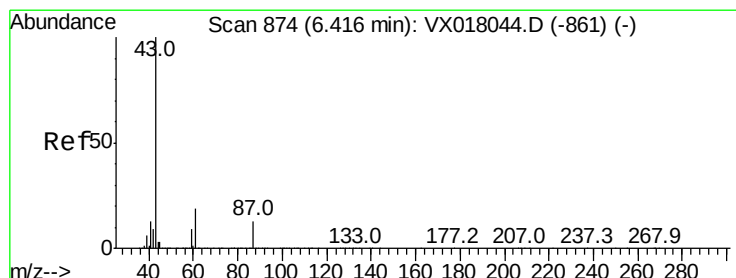
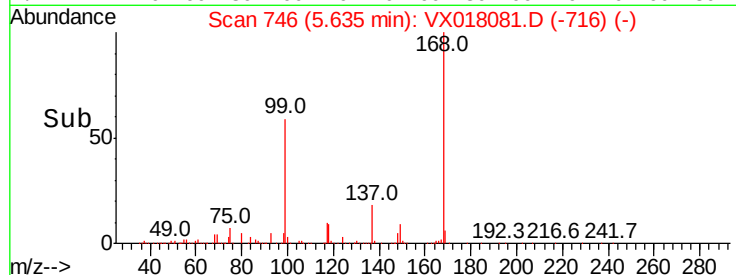
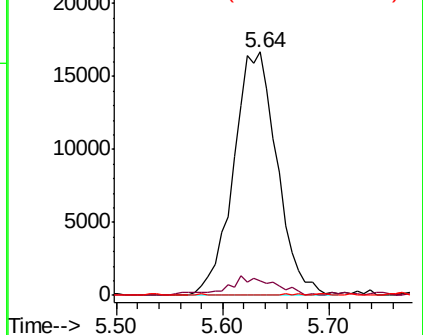
121 0.0 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 8.444 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

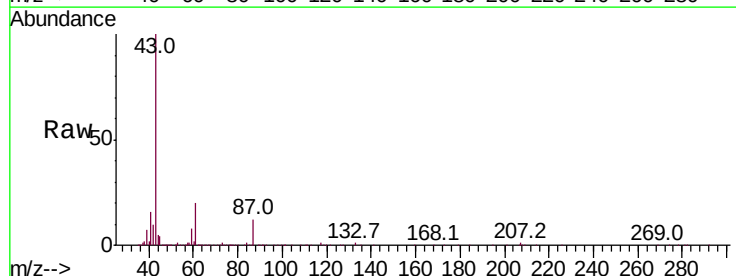
Tgt Ion: 43 Resp: 106931

Ion Ratio Lower Upper

43 100

61 18.9 15.7 23.5

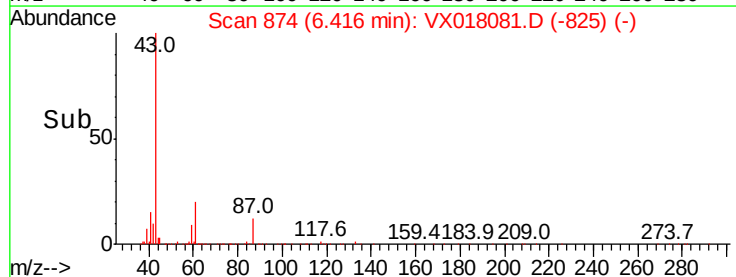
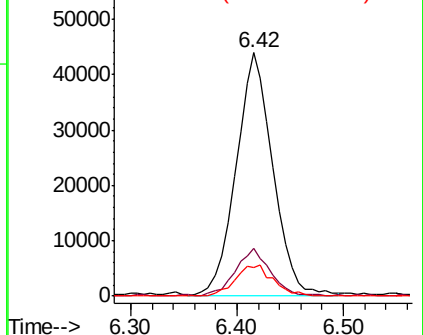
87 13.3 10.3 15.5

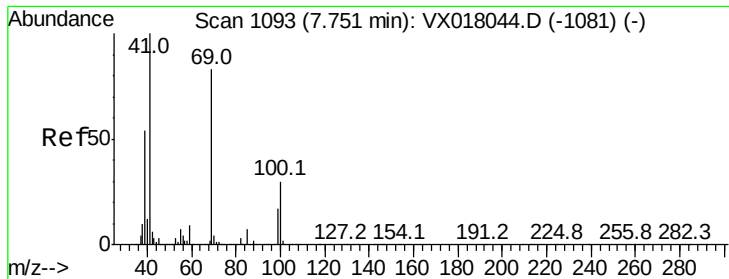


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

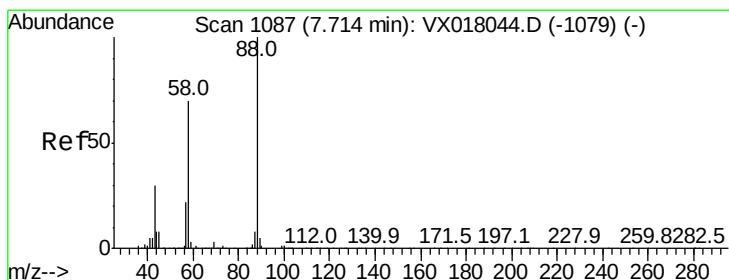
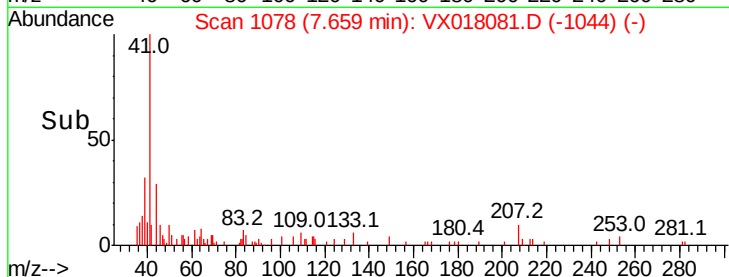
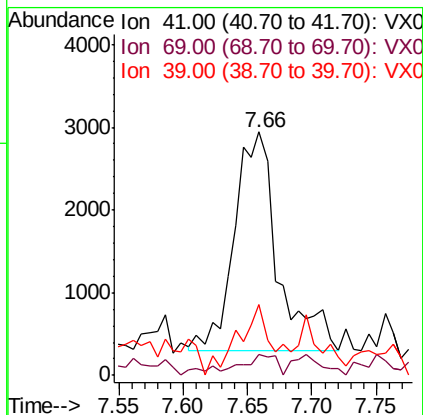
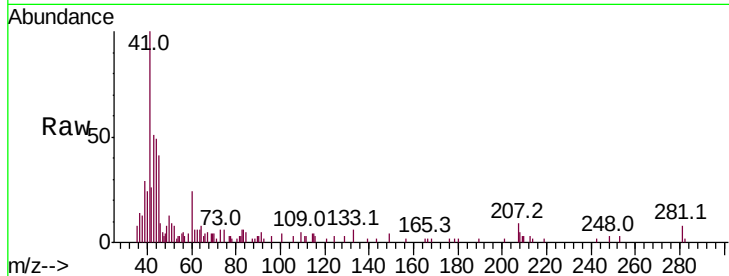




#48
Methvl methacrylate
Concen: 0.976 ug/l
RT: 7.66 min Scan# 1078
Delta R.T. -0.09 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

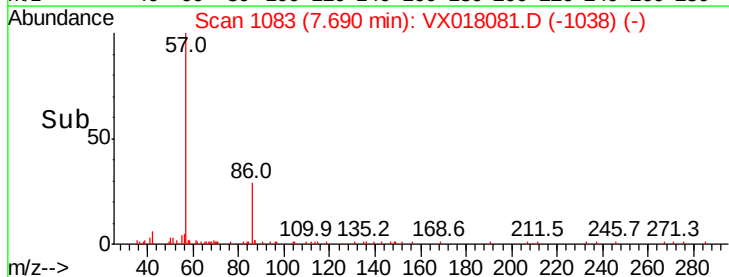
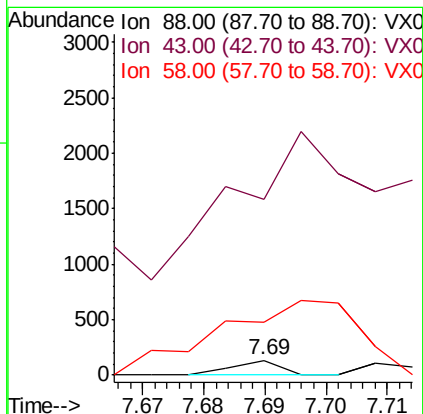
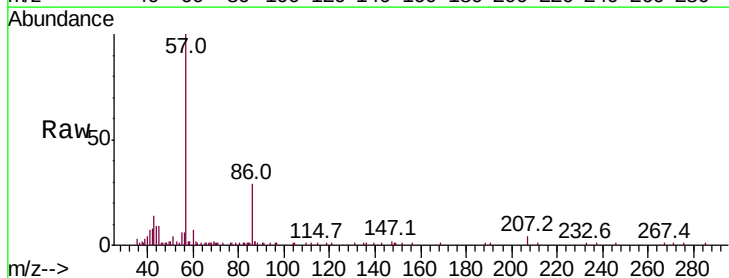
Instrument :
MSVOA_X
ClientSampleId :
CHRT-09

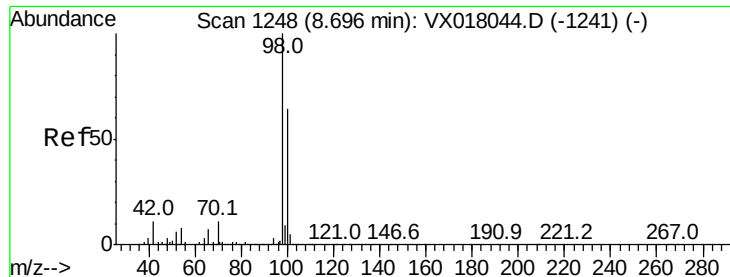
Tot Ion: 41 Resp: 6155
Ion Ratio Lower Upper
41 100
69 7.0 65.5 98.3#
39 0.0 44.5 66.7#



#49
1,4-Dioxane
Concen: 0.630 ug/l
RT: 7.69 min Scan# 1083
Delta R.T. -0.02 min
Lab File: VX018081.D
Acq: 26 Aug 2020 16:42

Tgt Ion: 88 Resp: 72
Ion Ratio Lower Upper
88 100
43 0.0 27.4 41.0#
58 1511.1 56.4 84.6#





#50

Toluene-d8

Concen: 49.304 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampleId :

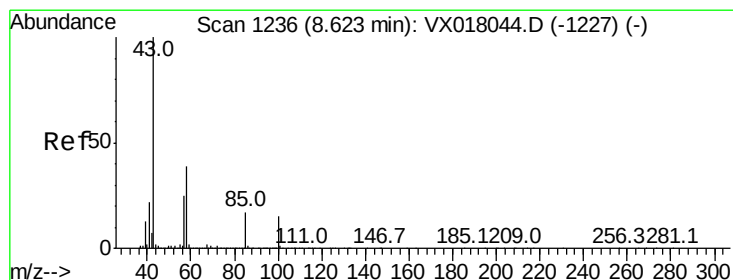
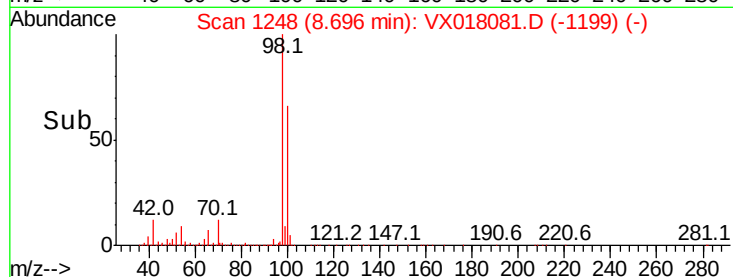
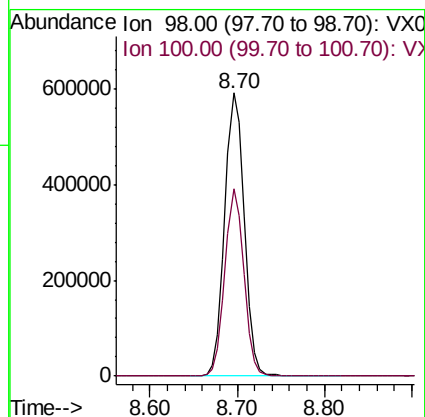
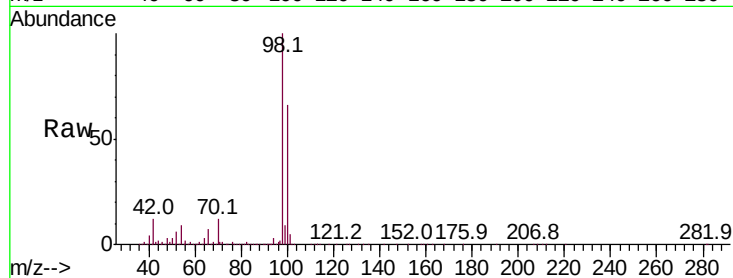
CHRT-09

Tot Ion: 98 Resp: 915368

Ion Ratio Lower Upper

98 100

100 64.3 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 13.177 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018081.D

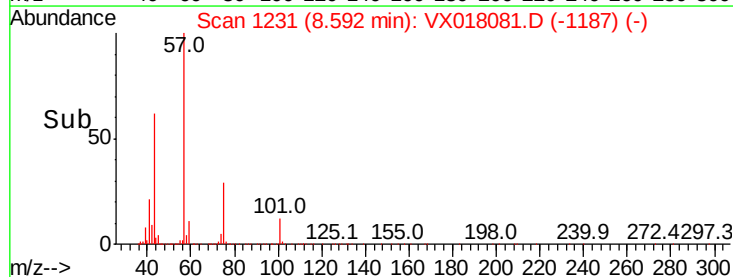
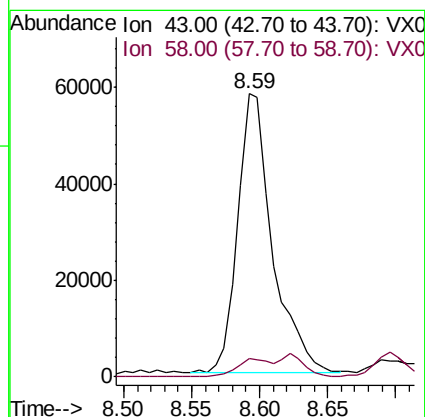
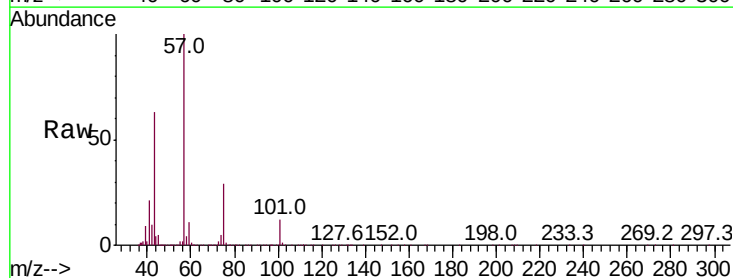
Acq: 26 Aug 2020 16:42

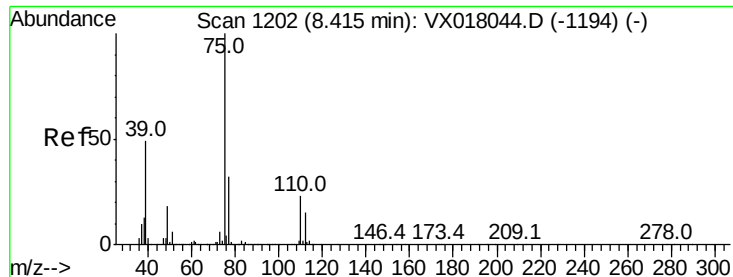
Tgt Ion: 43 Resp: 103081

Ion Ratio Lower Upper

43 100

58 6.6 30.7 46.1#





#54

cis-1,3-Dichloropropene

Concen: 4.821 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampleId :

CHRT-09

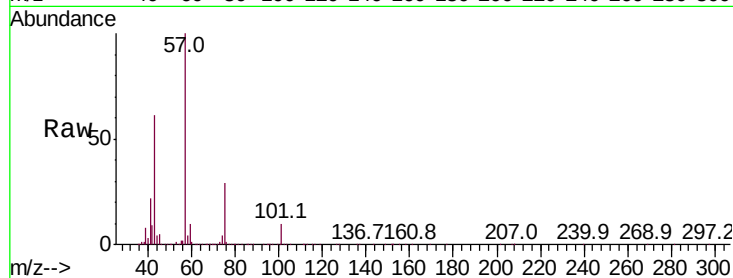
Tot Ion: 75 Resp: 42490

Ion Ratio Lower Upper

75 100

77 1.3 25.8 38.8#

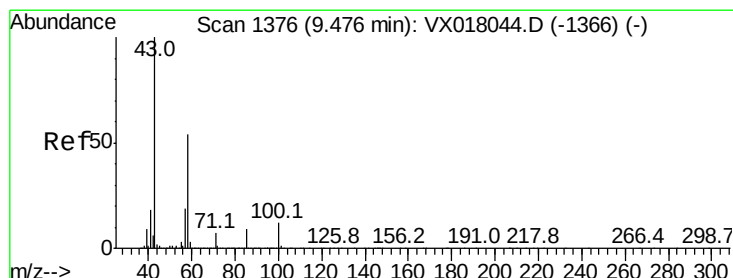
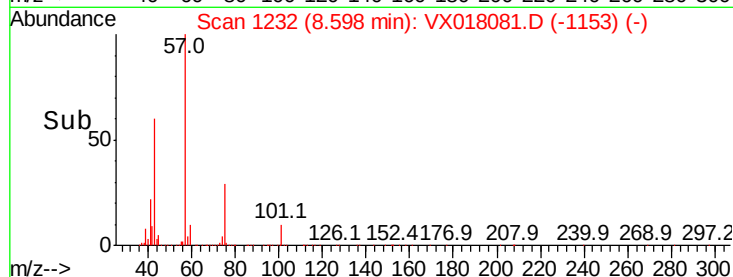
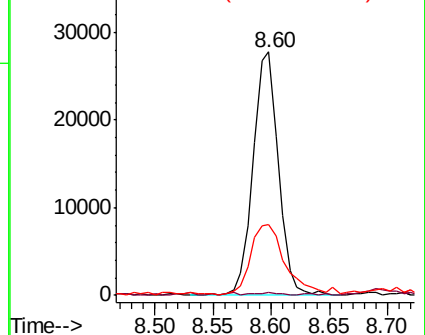
39 28.3 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#59

2-Hexanone

Concen: 18.986 ug/l

RT: 9.42 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VX018081.D

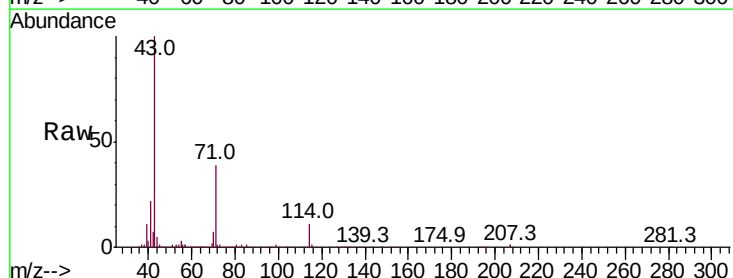
Acq: 26 Aug 2020 16:42

Tgt Ion: 43 Resp: 112931

Ion Ratio Lower Upper

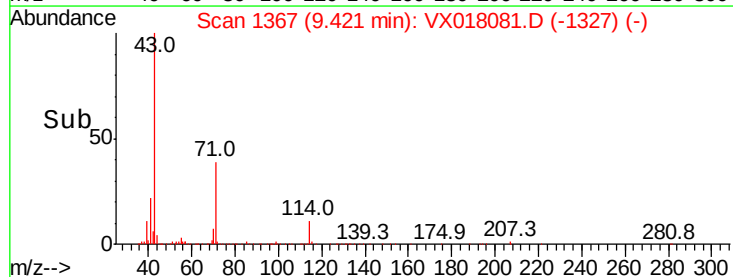
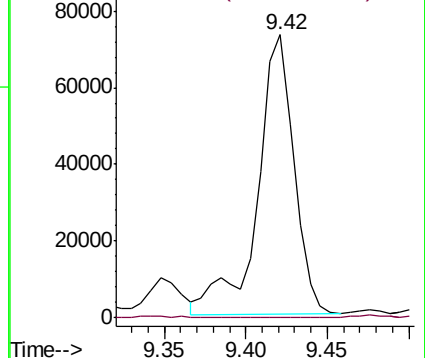
43 100

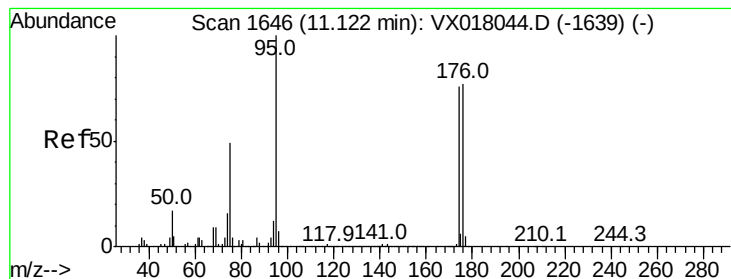
58 0.0 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 45.162 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampleId :

CHRT-09

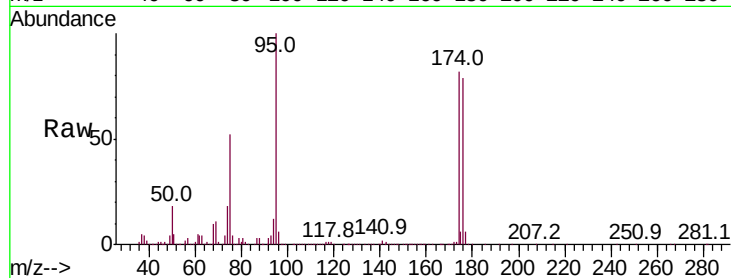
Tot Ion: 95 Resp: 329885

Ion Ratio Lower Upper

95 100

174 82.3 0.0 160.2

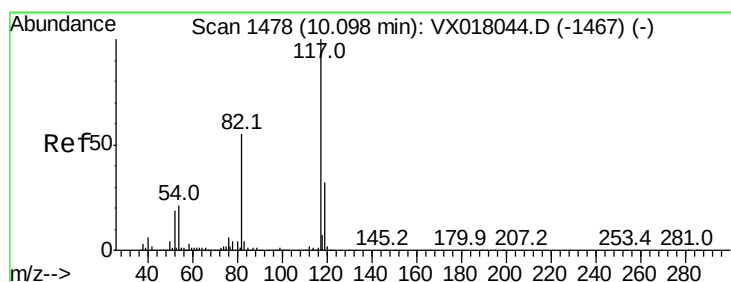
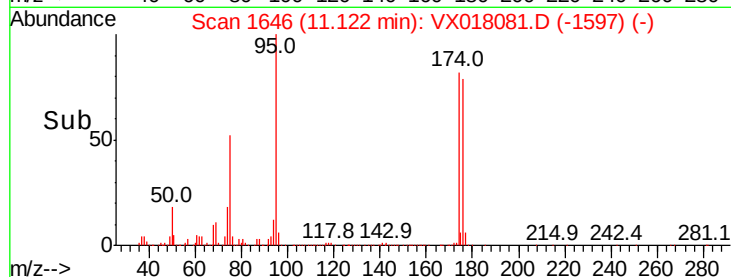
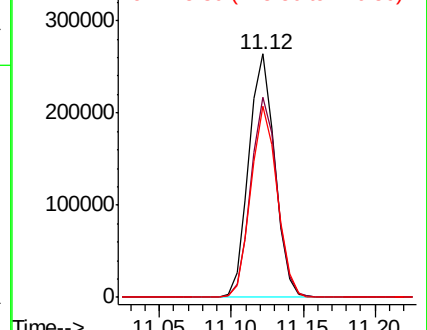
176 78.9 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

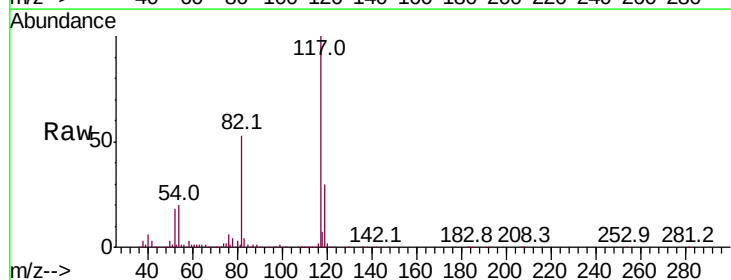
Tgt Ion: 117 Resp: 725134

Ion Ratio Lower Upper

117 100

82 52.6 44.2 66.2

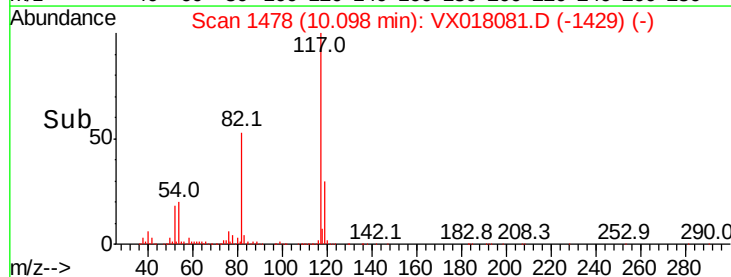
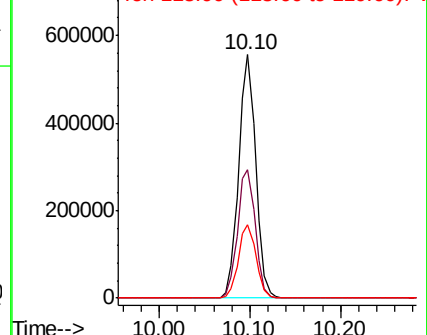
119 30.4 25.7 38.5

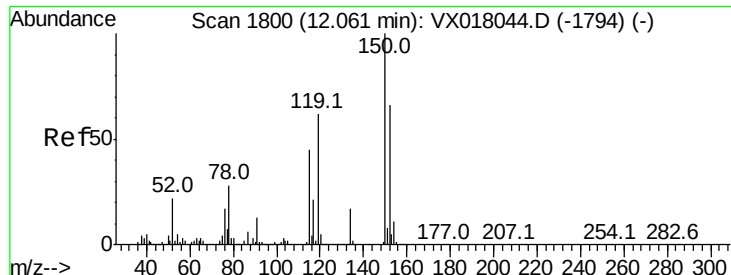


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampled :

CHRT-09

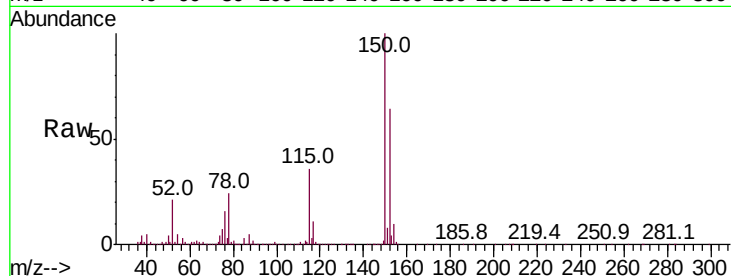
Tot Ion:152 Resp: 323697

Ion Ratio Lower Upper

152 100

115 59.1 41.5 124.5

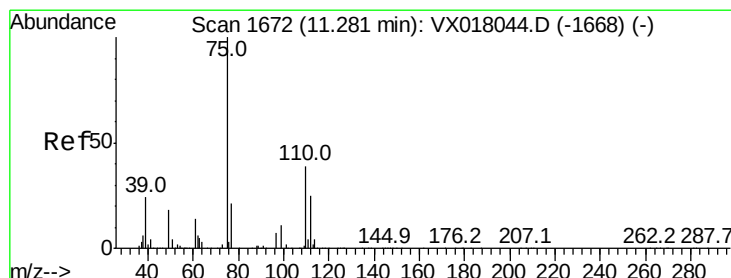
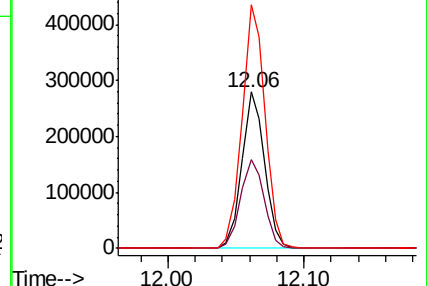
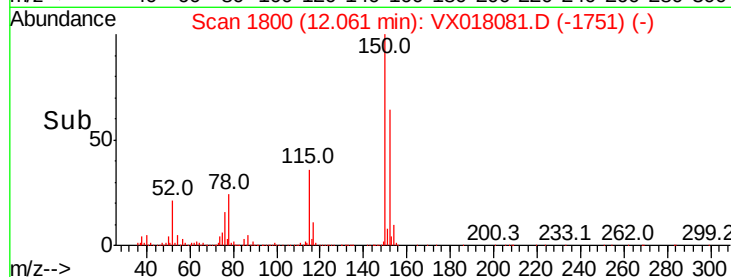
150 157.8 0.0 343.8



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: 23.856 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018081.D

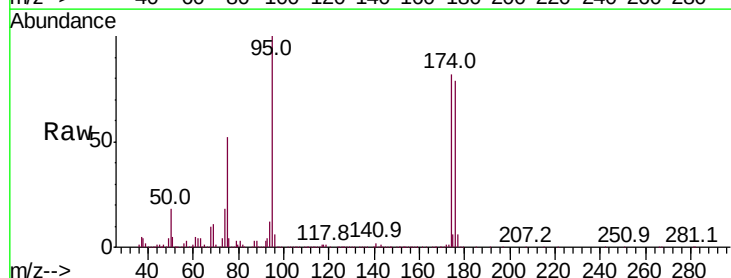
Acq: 26 Aug 2020 16:42

Tgt Ion: 75 Resp: 171783

Ion Ratio Lower Upper

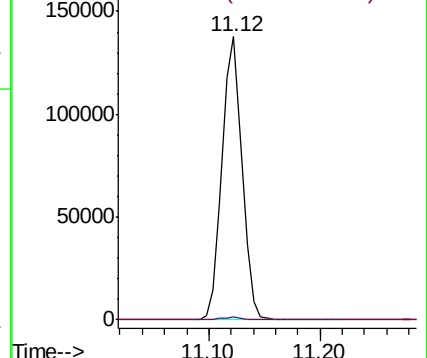
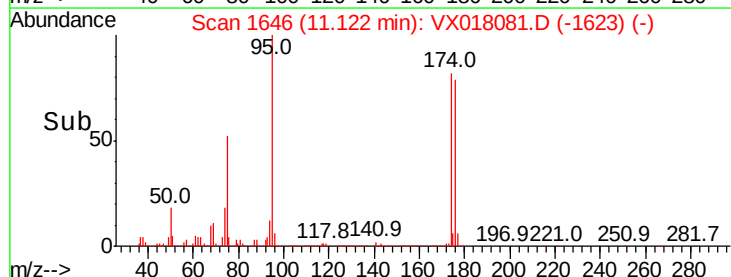
75 100

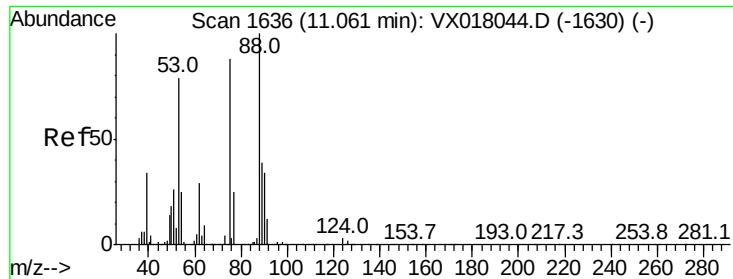
77 1.3 20.8 62.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 64.432 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018081.D

Acq: 26 Aug 2020 16:42

Instrument :

MSVOA_X

ClientSampleId :

CHRT-09

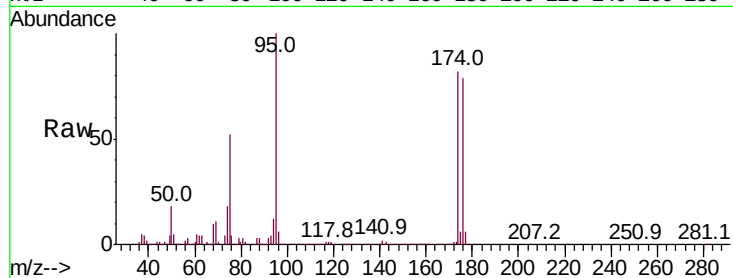
Tot Ion: 75 Resp: 171783

Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.2 36.6 54.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

