

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX082620\
 Data File : VX018080.D
 Acq On : 26 Aug 2020 16:19
 Operator : JC/SP
 Sample : L3785-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CHRT-18

Quant Time: Aug 27 04:05:37 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	5.63	168	473687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	741988	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	743756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	334835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	330000	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.36%		
35) Dibromofluoromethane	5.47	113	252561	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.96%		
50) Toluene-d8	8.70	98	927993	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.62%		
62) 4-Bromofluorobenzene	11.12	95	345446	46.65	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.30%		

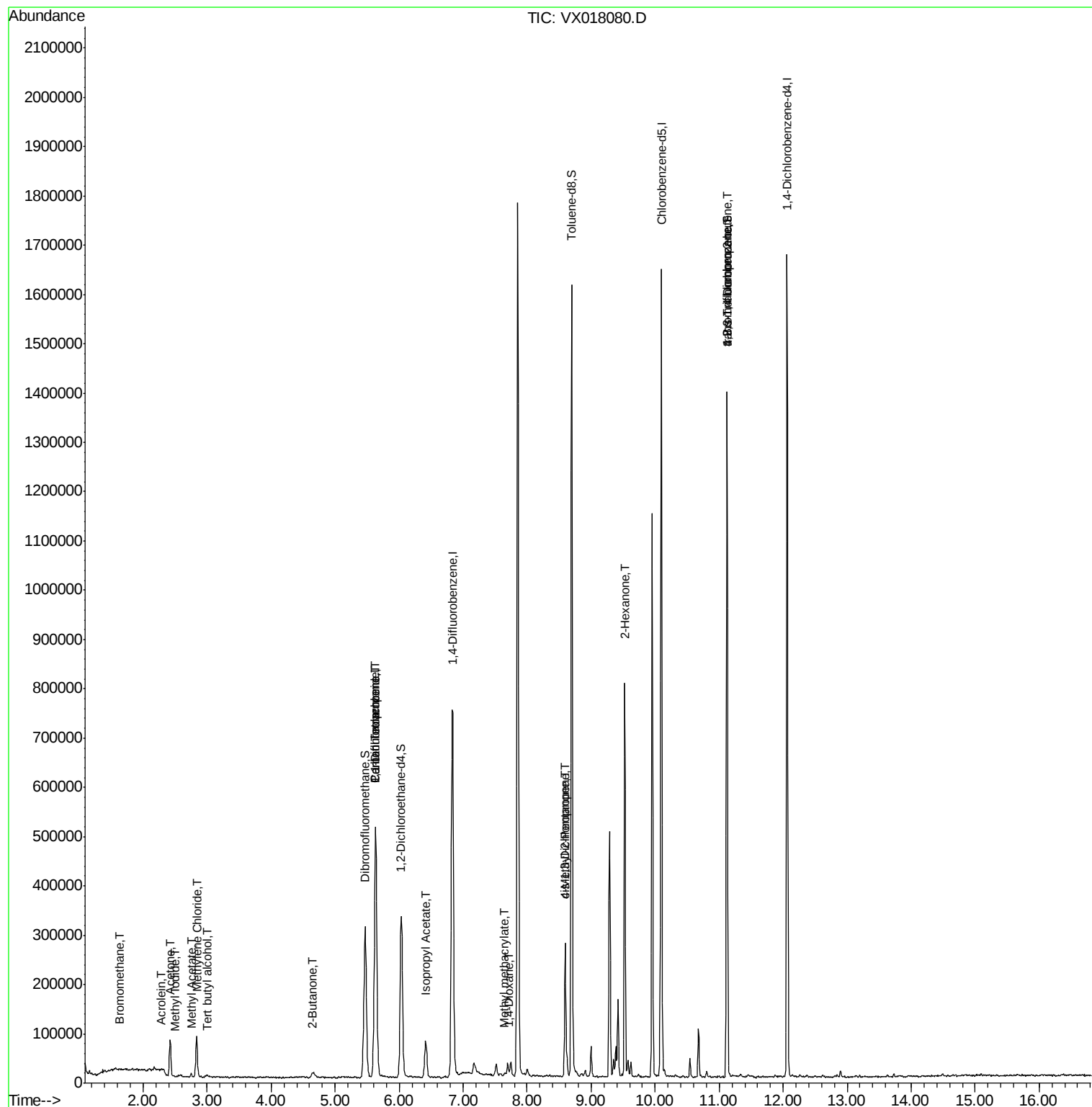
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	760	0.260	ug/l #	68
10) Methyl Iodide	2.50	142	297	5.342	ug/l #	49
11) Tert butyl alcohol	3.00	59	4604	3.601	ug/l	100
13) Acrolein	2.28	56	380	0.717	ug/l #	58
16) Acetone	2.42	43	76997	30.049	ug/l	92
18) Methyl Acetate	2.75	43	9815	1.587	ug/l	95
20) Methylene Chloride	2.84	84	38628	6.353	ug/l	99
25) 2-Butanone	4.64	43	10741	2.551	ug/l	93
36) 1,1-Dichloropropene	5.62	75	35558	5.196	ug/l #	51
38) Carbon Tetrachloride	5.63	117	47564	6.167	ug/l #	17
43) Isopropyl Acetate	6.42	43	105727	8.235	ug/l	99
48) Methyl methacrylate	7.65	41	6460	1.011	ug/l #	17
49) 1,4-Dioxane	7.72	88	151	1.304	ug/l #	23
51) 4-Methyl-2-Pentanone	8.59	43	107677	13.578	ug/l #	56
54) cis-1,3-Dichloropropene	8.60	75	43113	4.825	ug/l #	61
59) 2-Hexanone	9.52	43	89642	14.866	ug/l #	54
76) 1,2,3-Trichloropropane	11.12	75	176666	23.718	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	176666	64.059	ug/l #	12

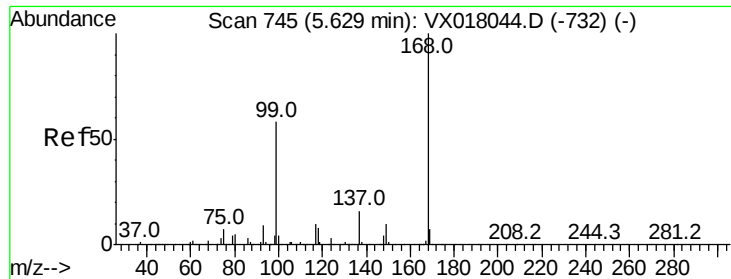
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

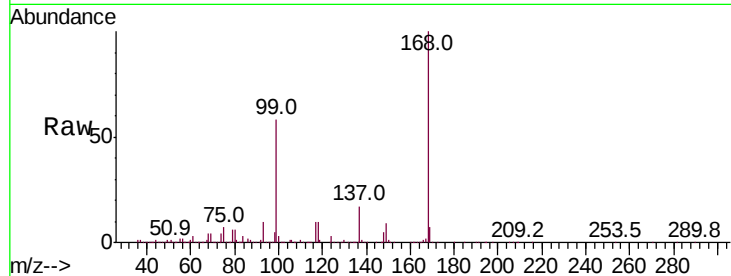
Instrument :
MSVOA_X
ClientSampleId :
CHRT-18

Tot Ion:168 Resp: 473687

Ion Ratio Lower Upper

168 100

99 57.6 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) (-)

5.63

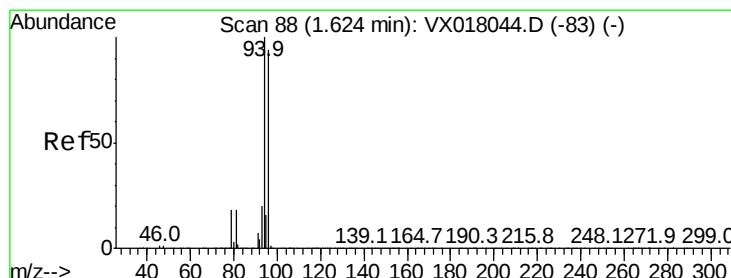
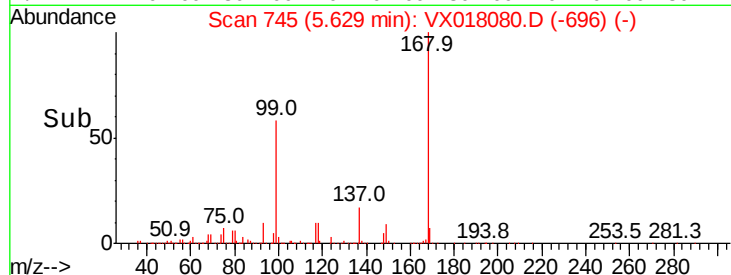
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.260 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018080.D

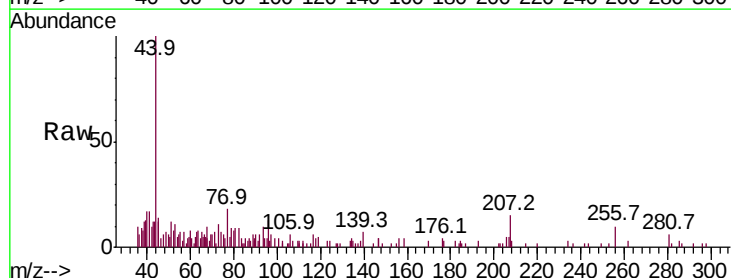
Acq: 26 Aug 2020 16:19

Tgt Ion: 94 Resp: 760

Ion Ratio Lower Upper

94 100

96 63.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX018044.D (-83) (-)

Ion 95.90 (95.60 to 96.60): VX018044.D (-83) (-)

1.64

500

400

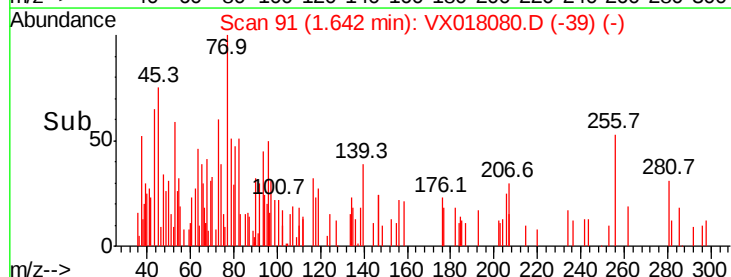
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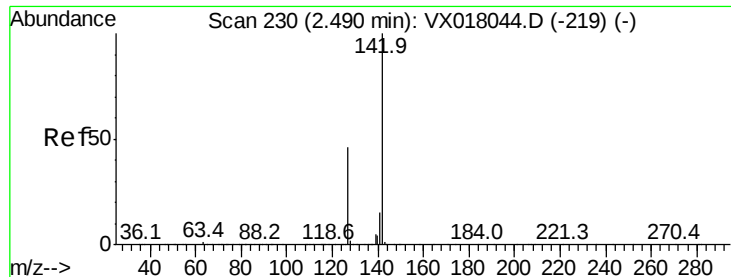
200

100

0

Time-->

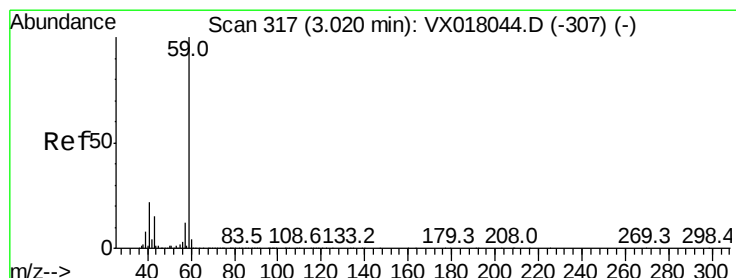
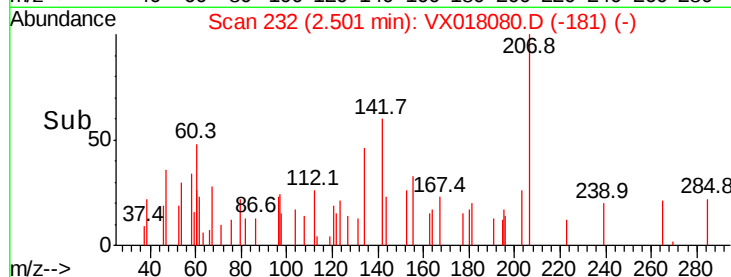
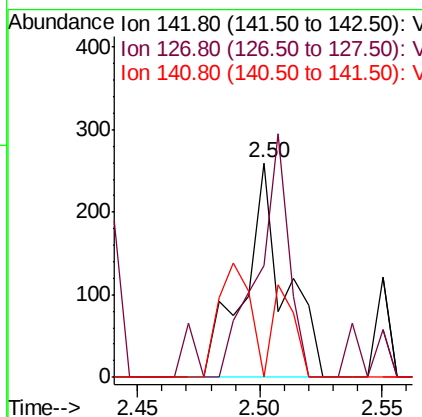
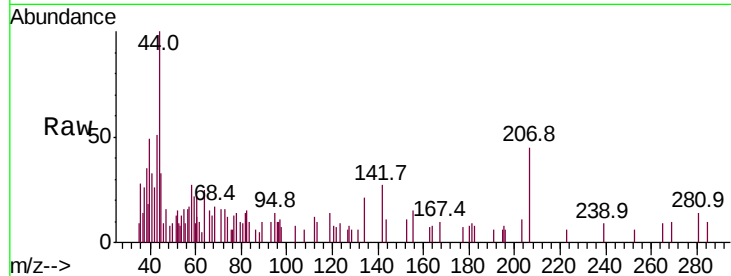




#10
Methvl Iodide
Concen: 5.342 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

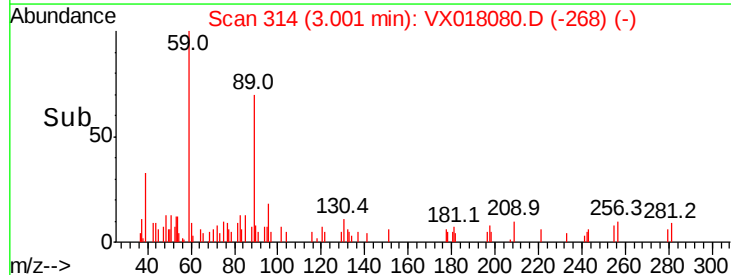
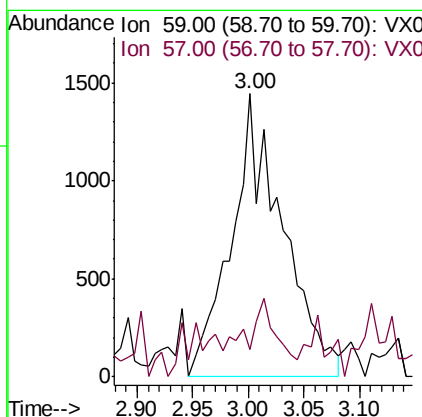
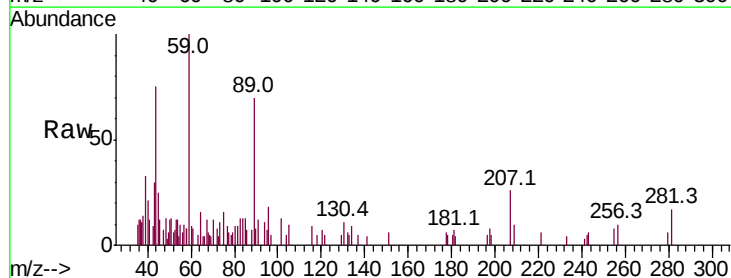
Instrument :
MSVOA_X
ClientSampleId :
CHRT-18

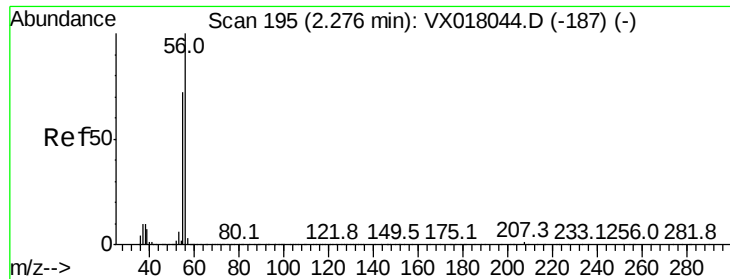
Tot Ion	Ratio	Lower	Upper
142	100		
127	85.9	37.0	55.6#
141	23.2	11.5	17.3#



#11
Tert butyl alcohol
Concen: 3.601 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.9	13.3

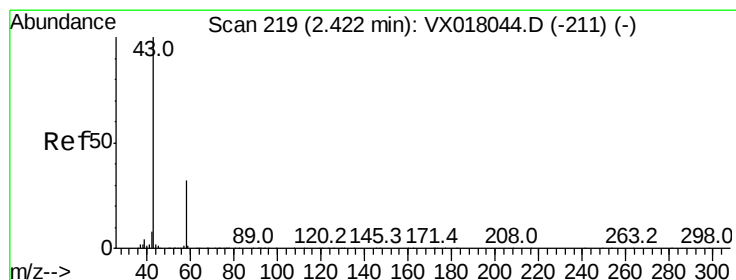
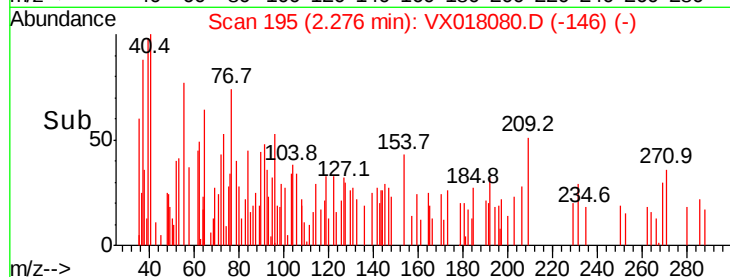
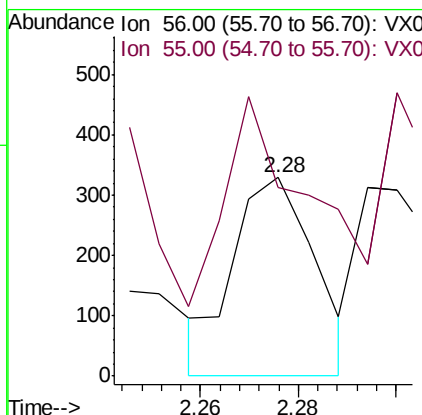
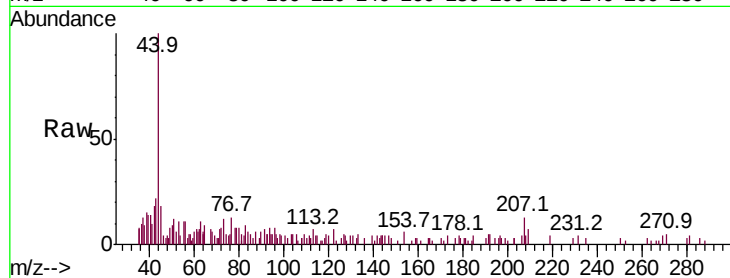




#13
Acrolein
Concen: 0.717 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

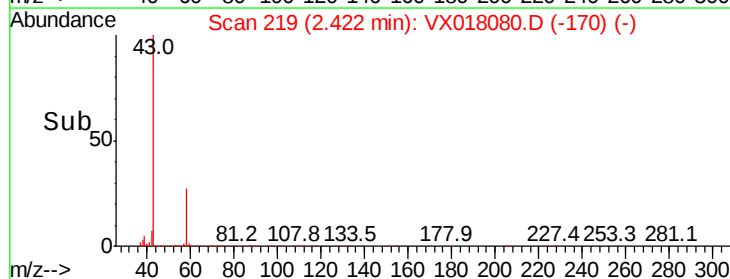
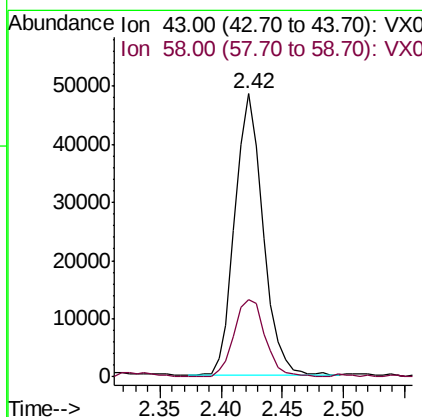
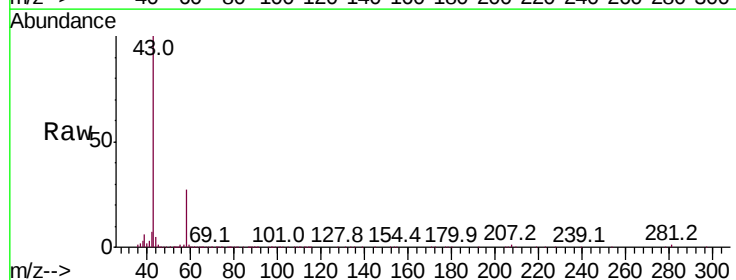
Instrument :
MSVOA_X
ClientSampled :
CHRT-18

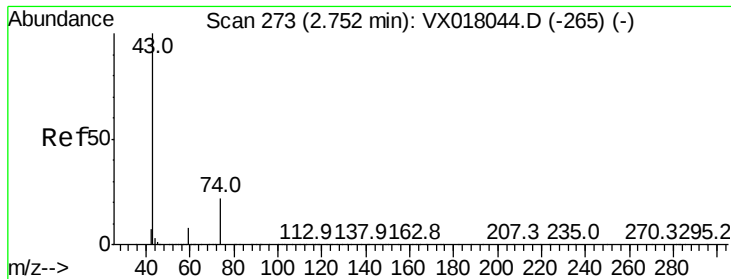
Tot Ion: 56 Resp: 380
Ion Ratio Lower Upper
56 100
55 106.3 57.0 85.6#



#16
Acetone
Concen: 30.049 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

Tgt Ion: 43 Resp: 76997
Ion Ratio Lower Upper
43 100
58 27.3 25.5 38.3

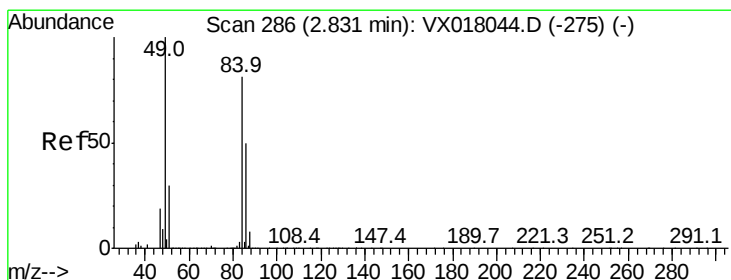
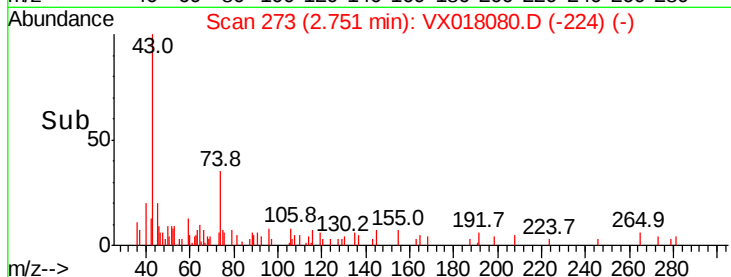
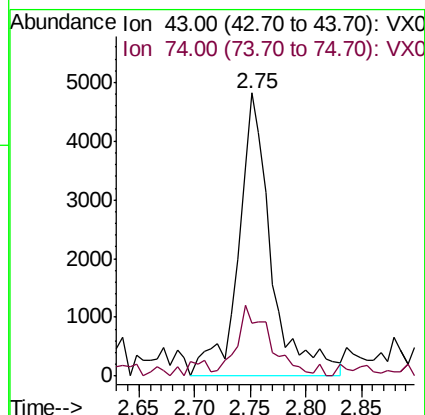
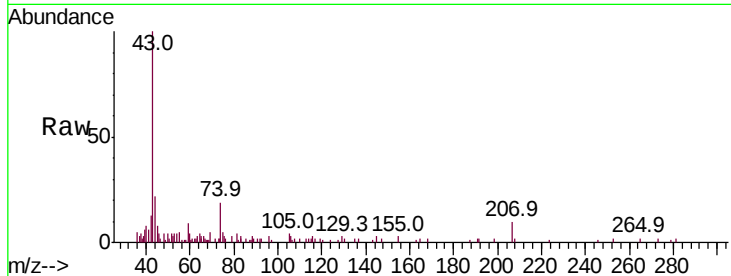




#18
Methvl Acetate
Concen: 1.587 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

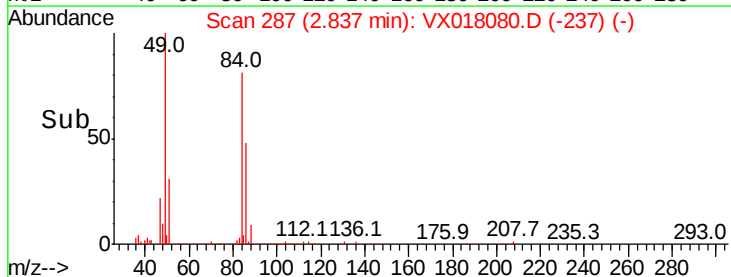
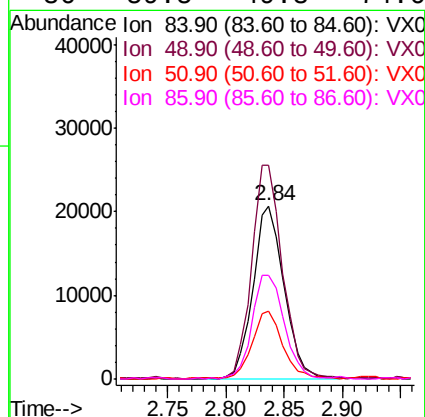
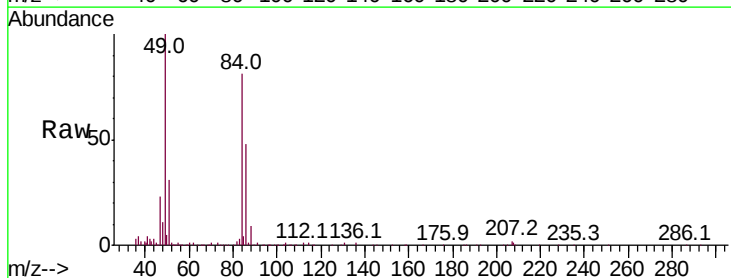
Instrument :
MSVOA_X
ClientSampled :
CHRT-18

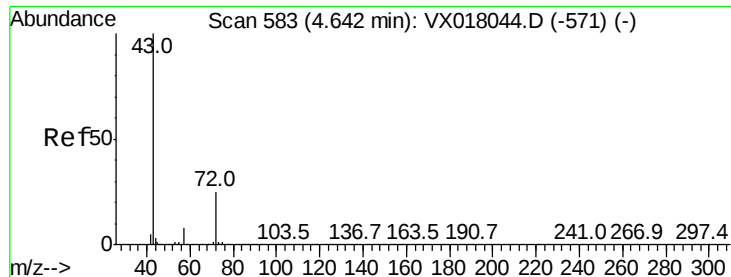
Tot Ion: 43 Resp: 9815
Ion Ratio Lower Upper
43 100
74 25.4 18.2 27.4



#20
Methylene Chloride
Concen: 6.353 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

Tgt Ion: 84 Resp: 38628
Ion Ratio Lower Upper
84 100
49 123.1 98.6 148.0
51 38.2 29.6 44.4
86 59.5 49.8 74.6





#25

2-Butanone

Concen: 2.551 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

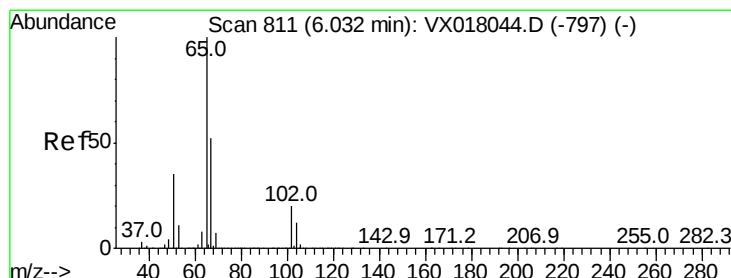
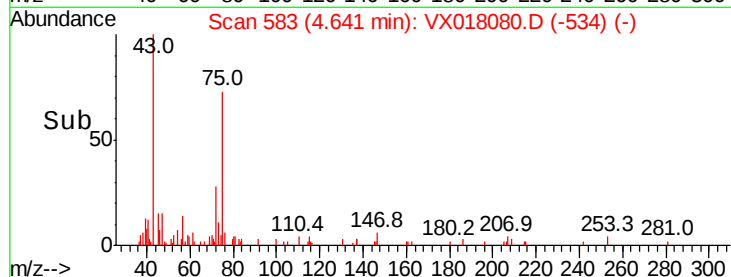
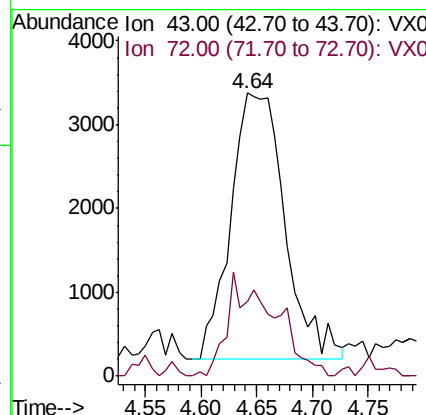
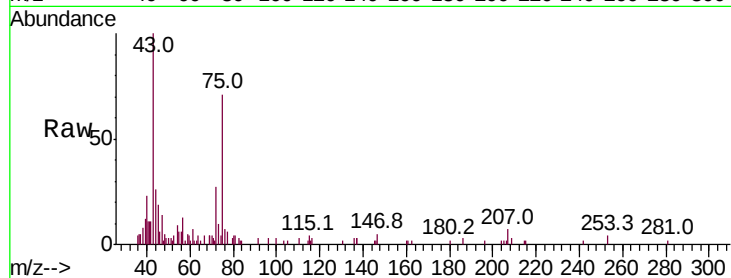
CHRT-18

Tot Ion: 43 Resp: 10741

Ion Ratio Lower Upper

43 100

72 28.3 19.8 29.6



#33

1,2-Dichloroethane-d4

Concen: 50.183 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018080.D

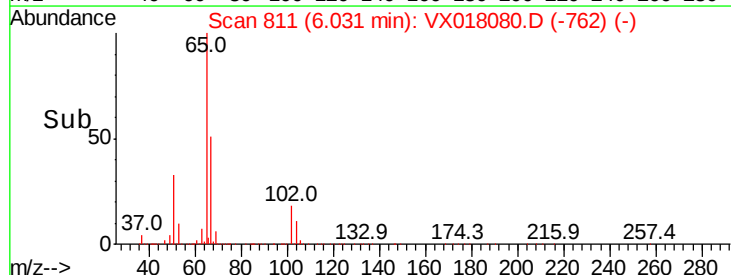
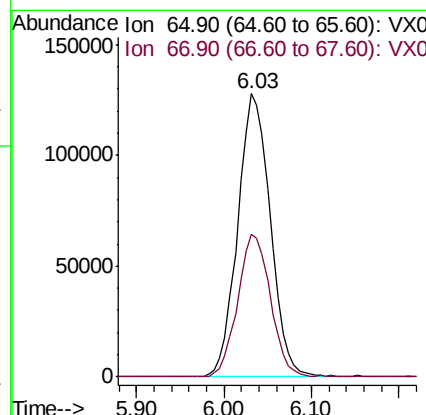
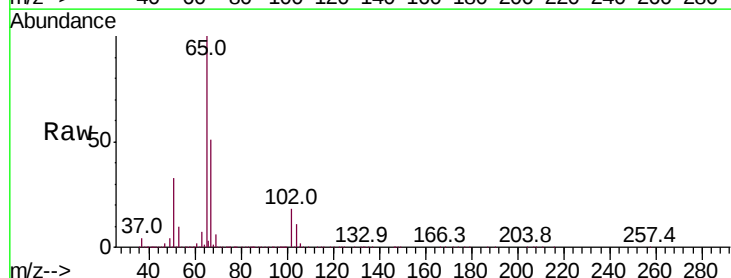
Acq: 26 Aug 2020 16:19

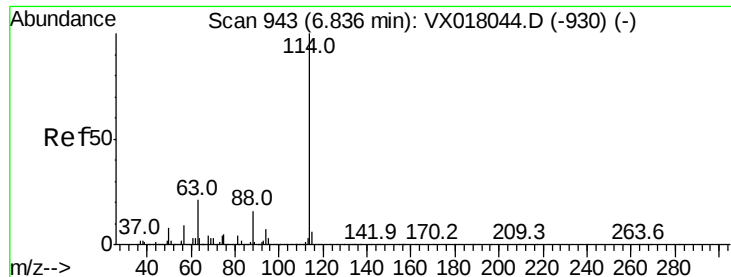
Tgt Ion: 65 Resp: 330000

Ion Ratio Lower Upper

65 100

67 50.9 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-18

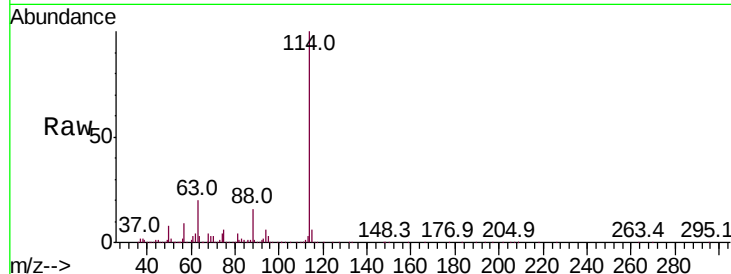
Tot Ion:114 Resp: 741988

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

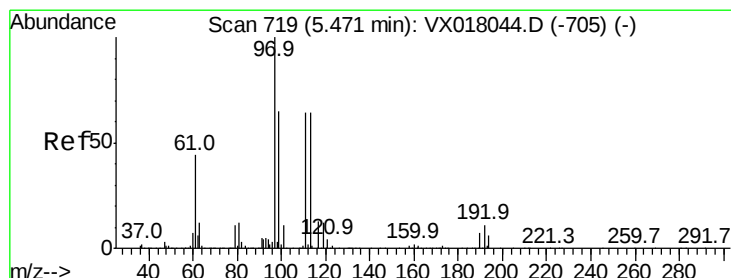
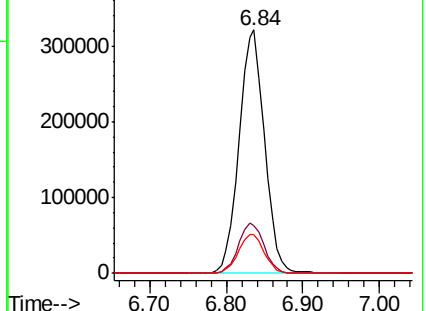
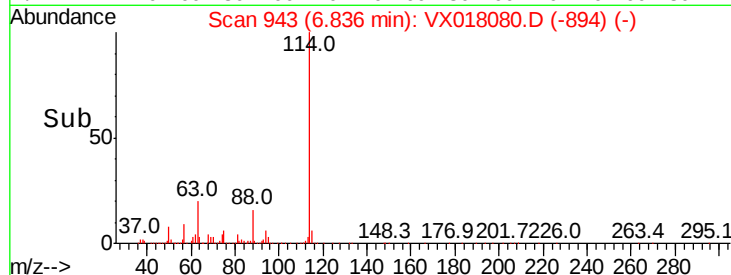
88 16.0 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.979 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

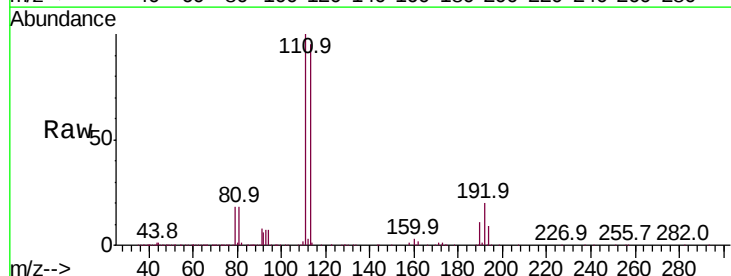
Tgt Ion:113 Resp: 252561

Ion Ratio Lower Upper

113 100

111 107.4 81.6 122.4

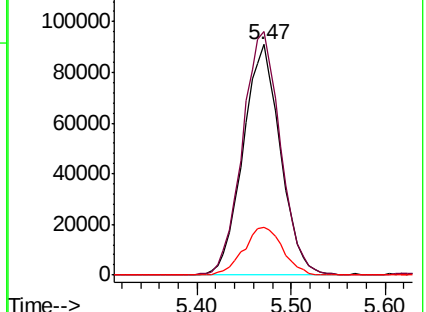
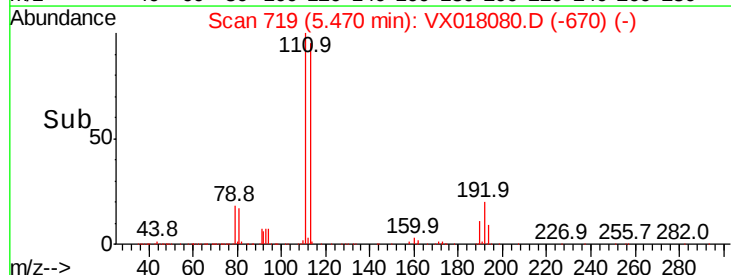
192 21.7 15.8 23.8

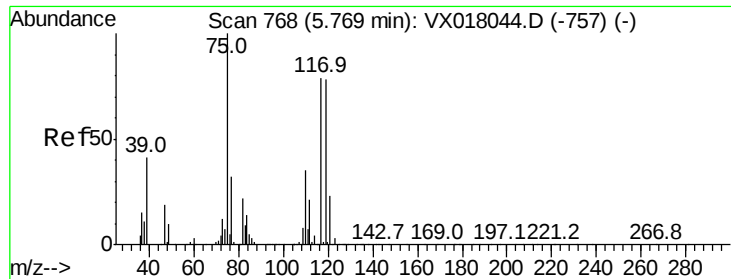


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.196 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

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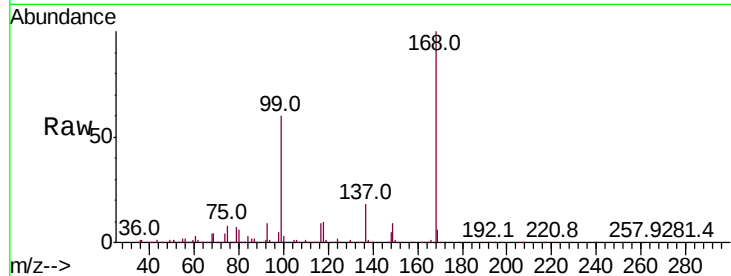
Tot Ion: 75 Resp: 35558

Ion Ratio Lower Upper

75 100

110 10.3 18.0 54.0#

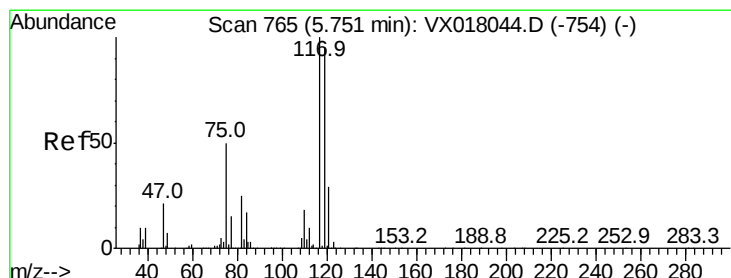
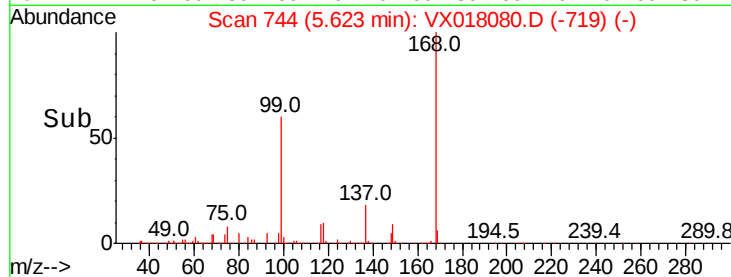
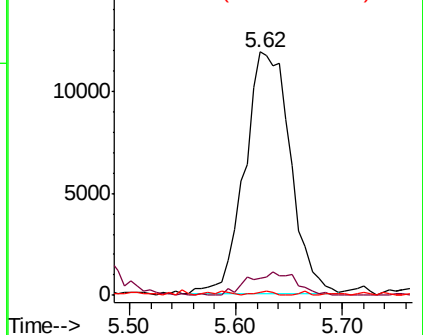
77 0.6 24.4 36.6#



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: 6.167 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

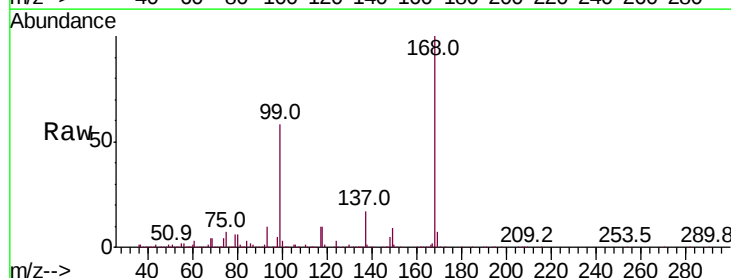
Tgt Ion: 117 Resp: 47564

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

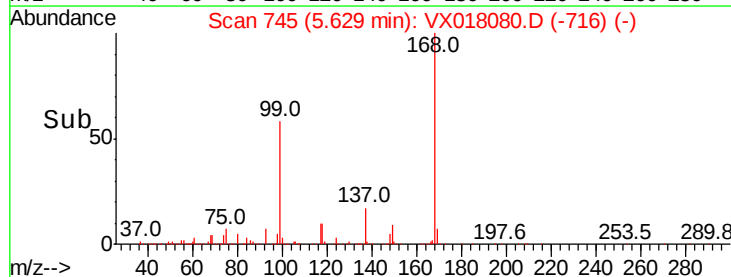
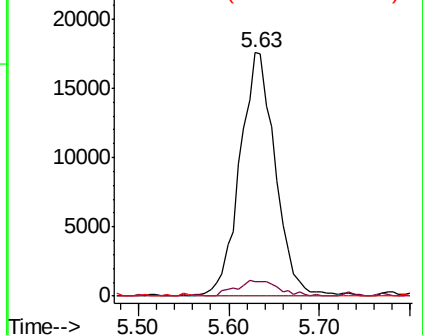
121 0.0 23.4 35.0#

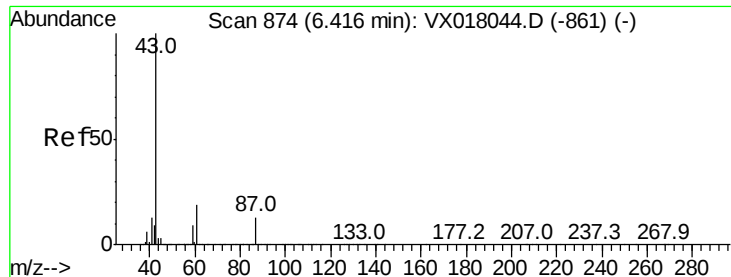


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 8.235 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

Instrument :

MSVOA_X

ClientSampled :

CHRT-18

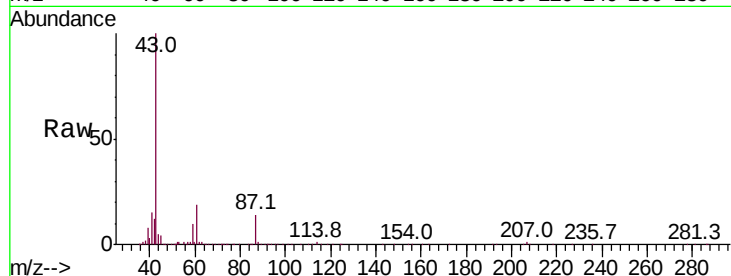
Tot Ion: 43 Resp: 105727

Ion Ratio Lower Upper

43 100

61 19.5 15.7 23.5

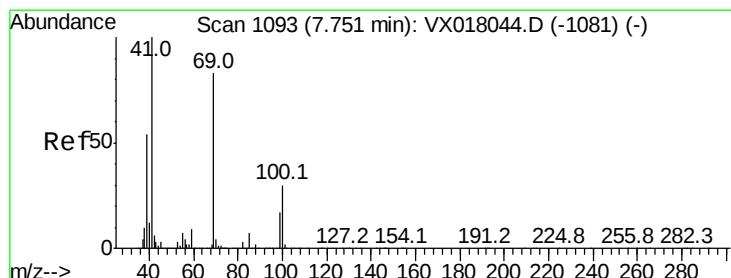
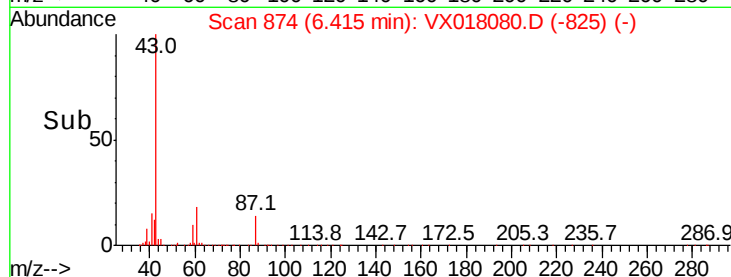
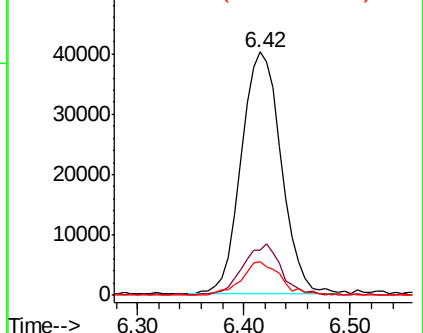
87 14.0 10.3 15.5



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

Methyl methacrylate

Concen: 1.011 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

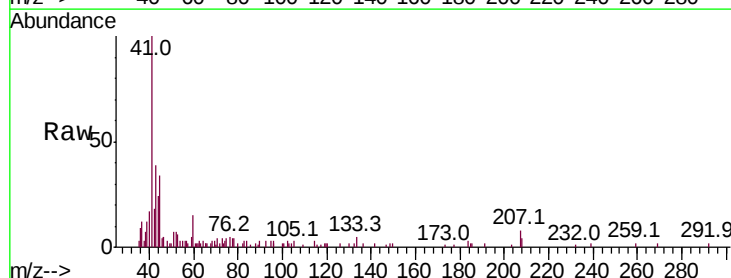
Tgt Ion: 41 Resp: 6460

Ion Ratio Lower Upper

41 100

69 4.4 65.5 98.3#

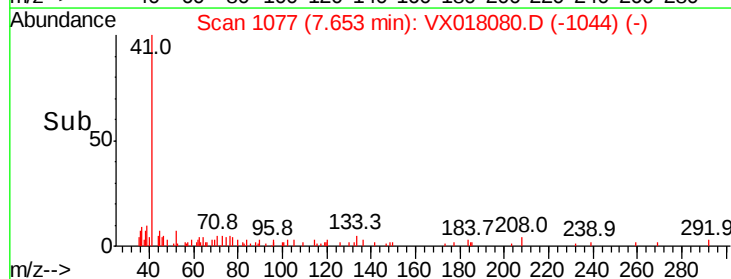
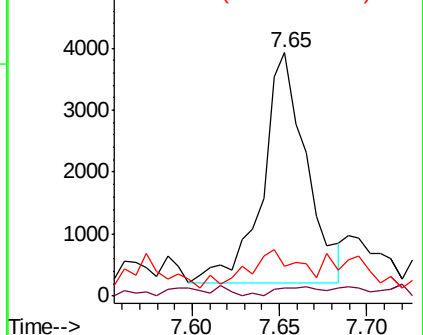
39 0.0 44.5 66.7#

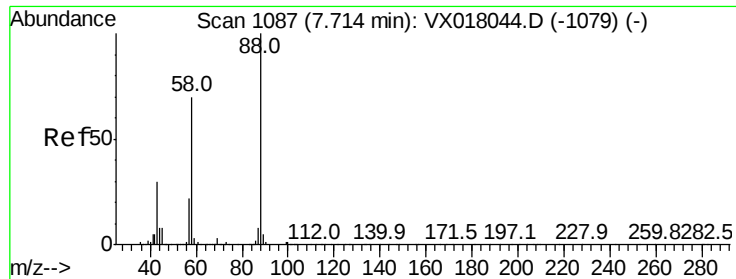


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1.304 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

CHRT-18

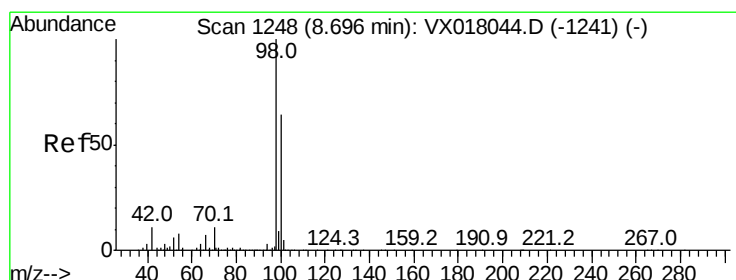
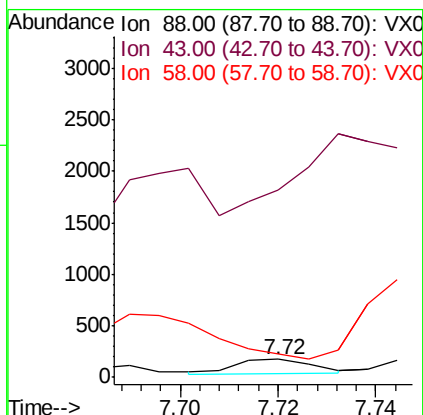
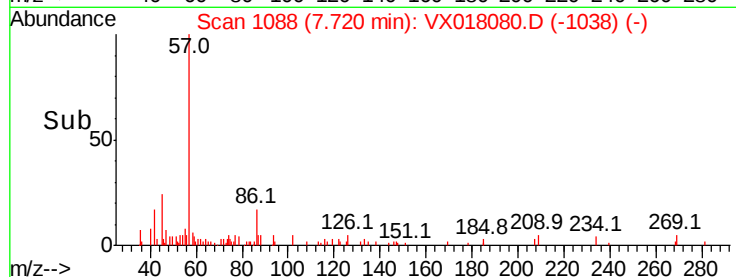
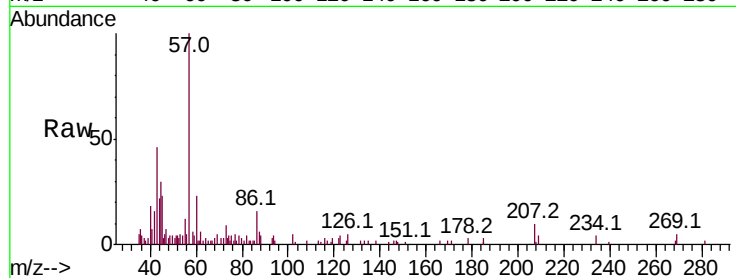
Tot Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 0.0 56.4 84.6#



#50

Toluene-d8

Concen: 49.305 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018080.D

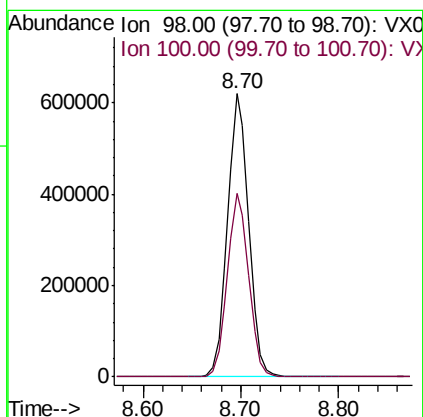
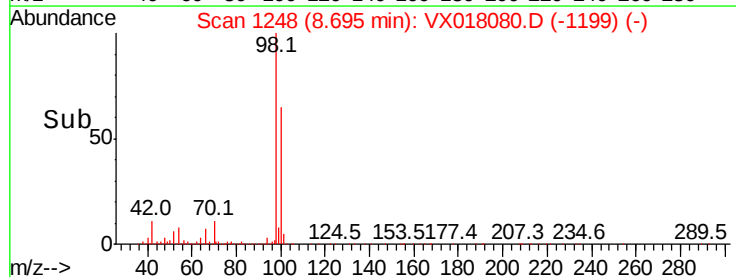
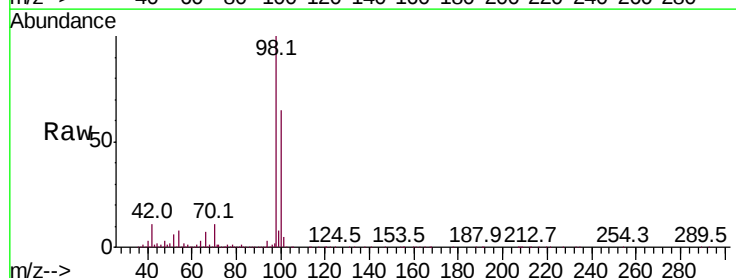
Acq: 26 Aug 2020 16:19

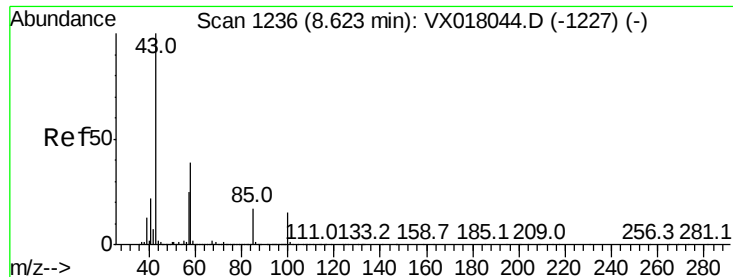
Tgt Ion: 98 Resp: 927993

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 13.578 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

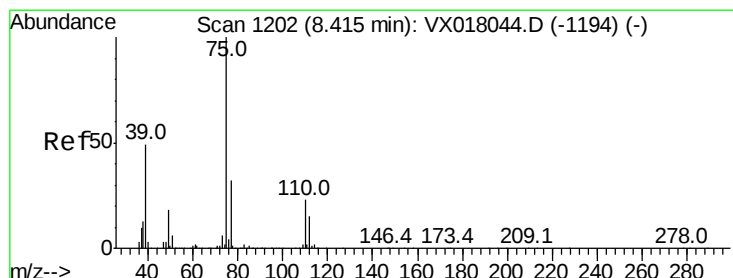
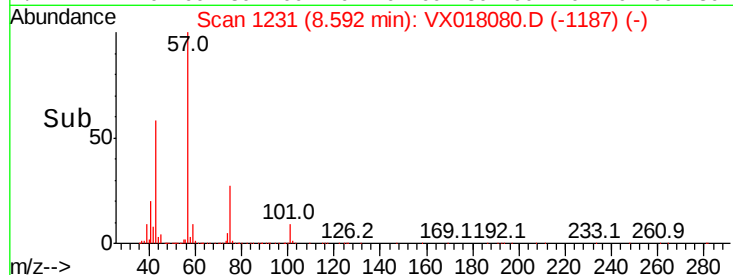
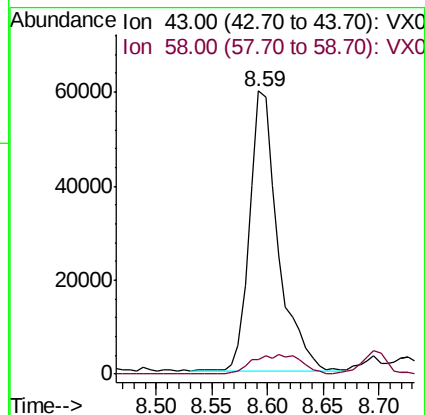
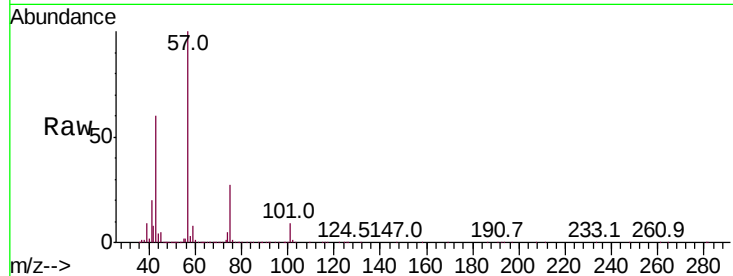
CHRT-18

Tot Ion: 43 Resp: 107677

Ion Ratio Lower Upper

43 100

58 11.4 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 4.825 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

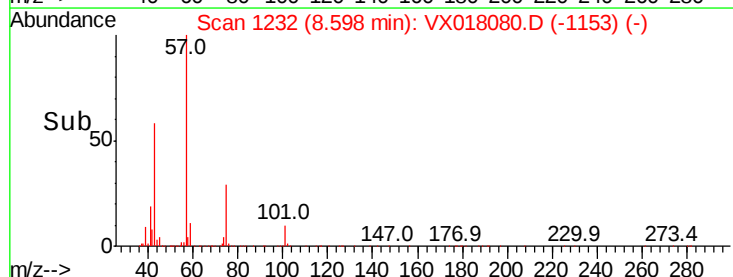
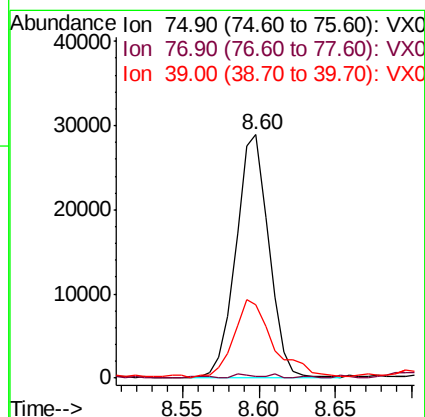
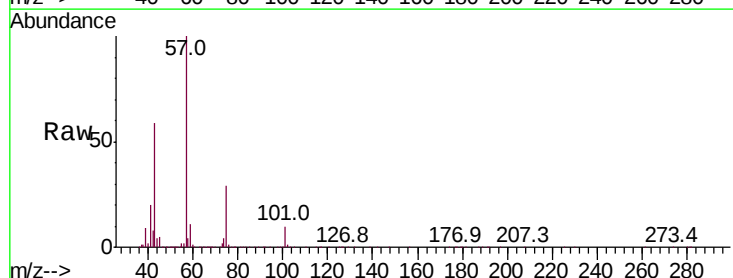
Tgt Ion: 75 Resp: 43113

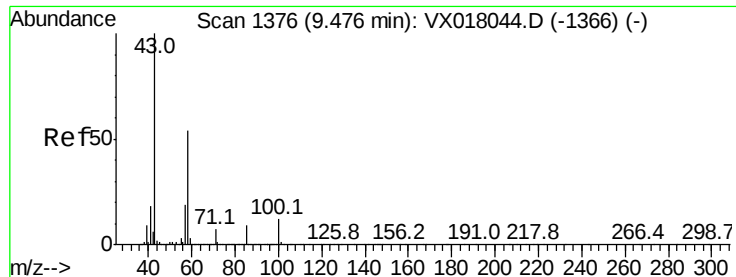
Ion Ratio Lower Upper

75 100

77 0.2 25.8 38.8#

39 30.2 38.8 58.2#

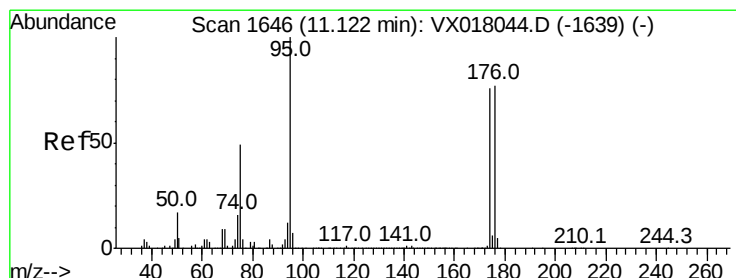
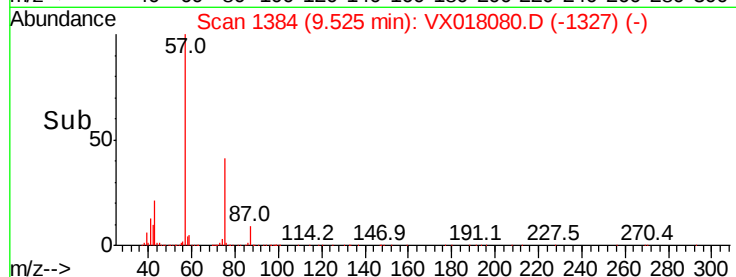
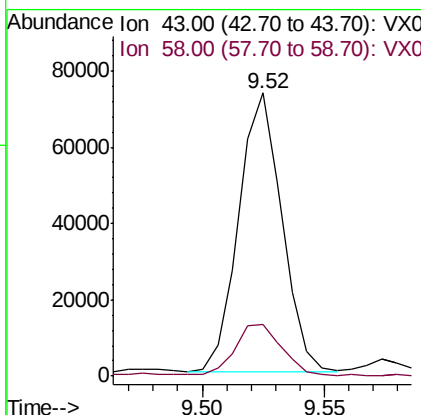
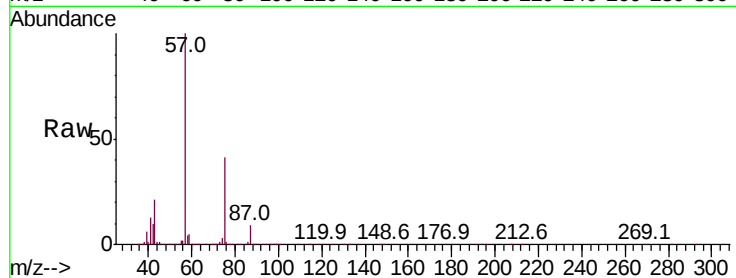




#59
2-Hexanone
Concen: 14.866 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

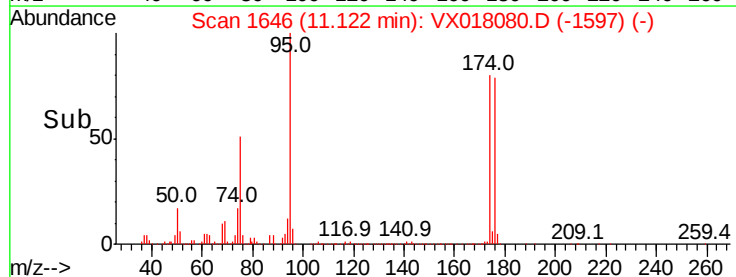
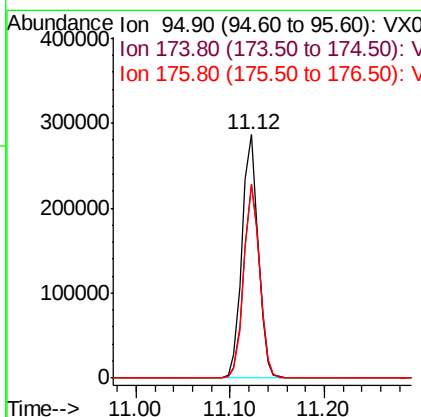
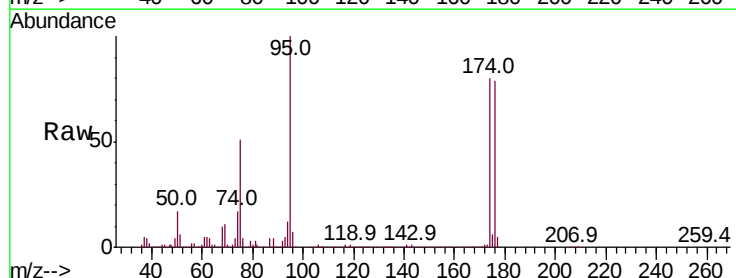
Instrument :
MSVOA_X
ClientSampleId :
CHRT-18

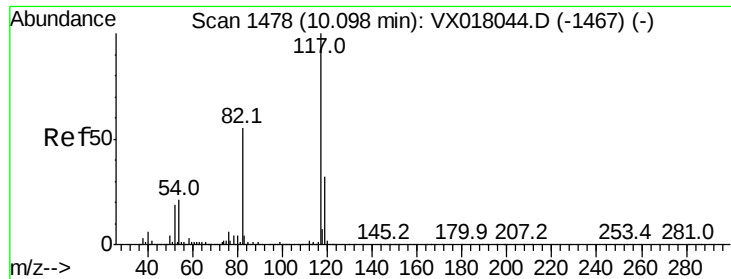
Tot Ion: 43 Resp: 89642
Ion Ratio Lower Upper
43 100
58 20.5 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.650 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

Tgt Ion: 95 Resp: 345446
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.2
176 77.3 0.0 155.8

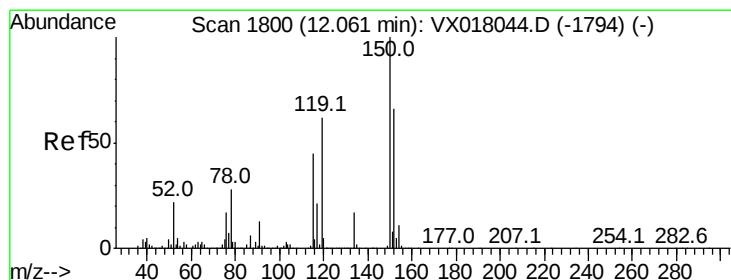
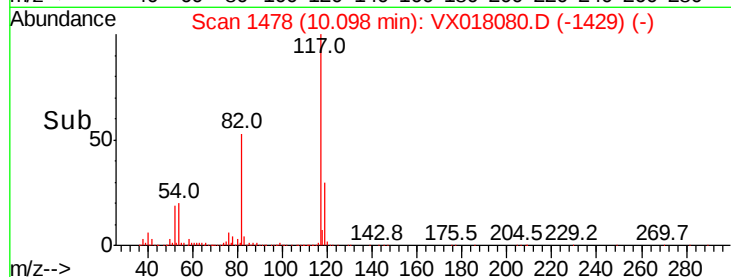
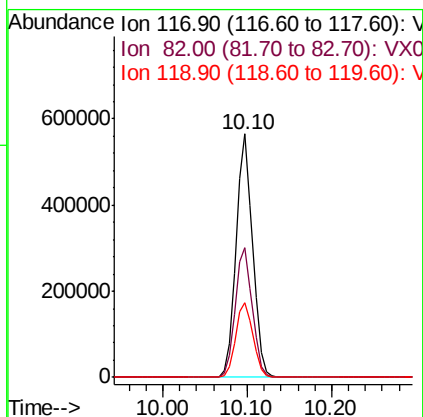
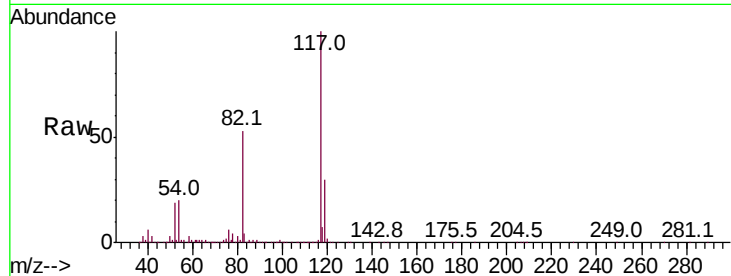




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

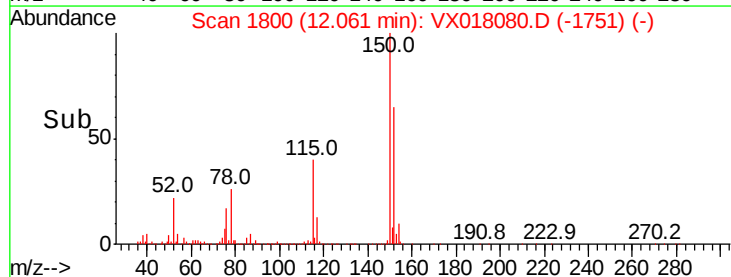
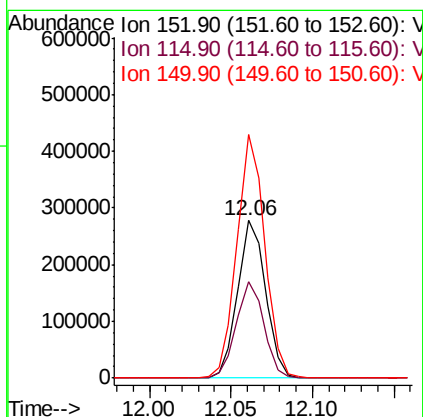
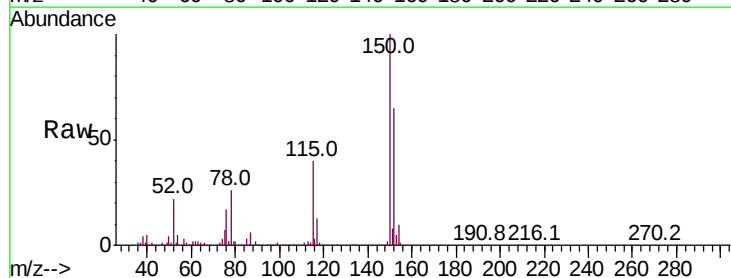
Instrument :
MSVOA_X
ClientSampleId :
CHRT-18

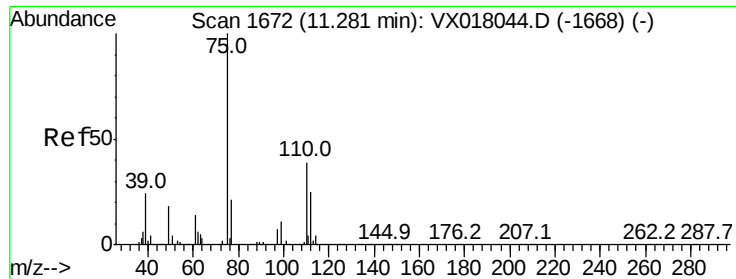
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.2	66.2
119	30.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018080.D
Acq: 26 Aug 2020 16:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	41.5	124.5
150	153.1	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.718 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

Instrument :

MSVOA_X

ClientSampleId :

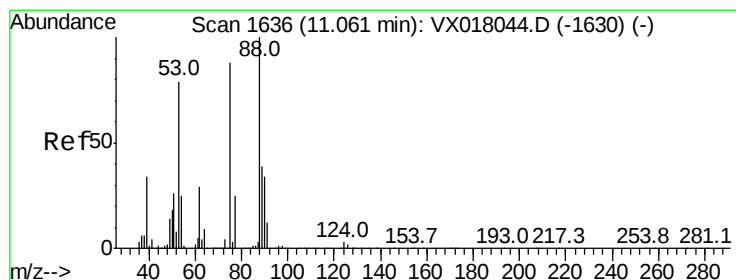
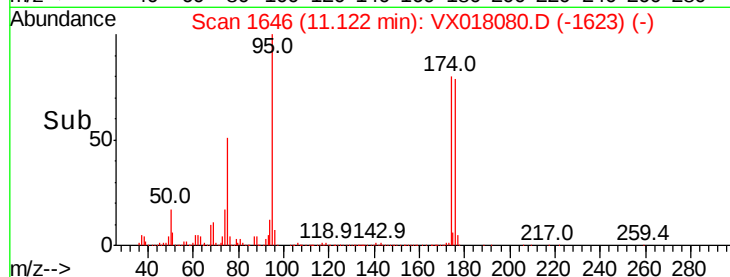
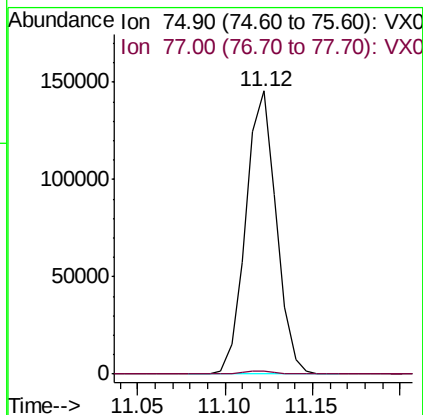
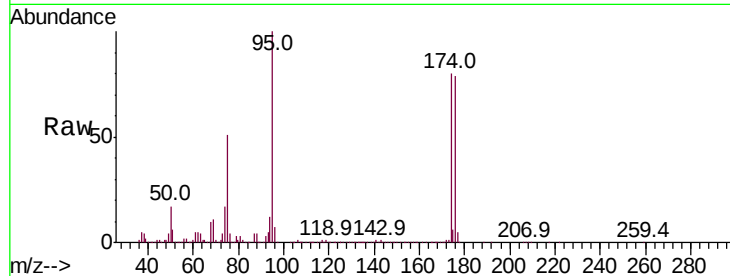
CHRT-18

Tot Ion: 75 Resp: 176666

Ion Ratio Lower Upper

75 100

77 1.1 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.059 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018080.D

Acq: 26 Aug 2020 16:19

Tgt Ion: 75 Resp: 176666

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 0.2 36.6 54.8#

