

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020066.D
 Acq On : 16 Dec 2020 15:34
 Operator : JC/MD
 Sample : VX1217WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1217WBL01

Quant Time: Dec 17 00:30:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	308396	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	514752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	476289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208939	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	198425	48.95	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.90%	
35) Dibromofluoromethane		5.46	113	160422	48.22	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.44%	
50) Toluene-d8		8.70	98	622915	49.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.10%	
62) 4-Bromofluorobenzene		11.12	95	220265	45.57	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.14%	

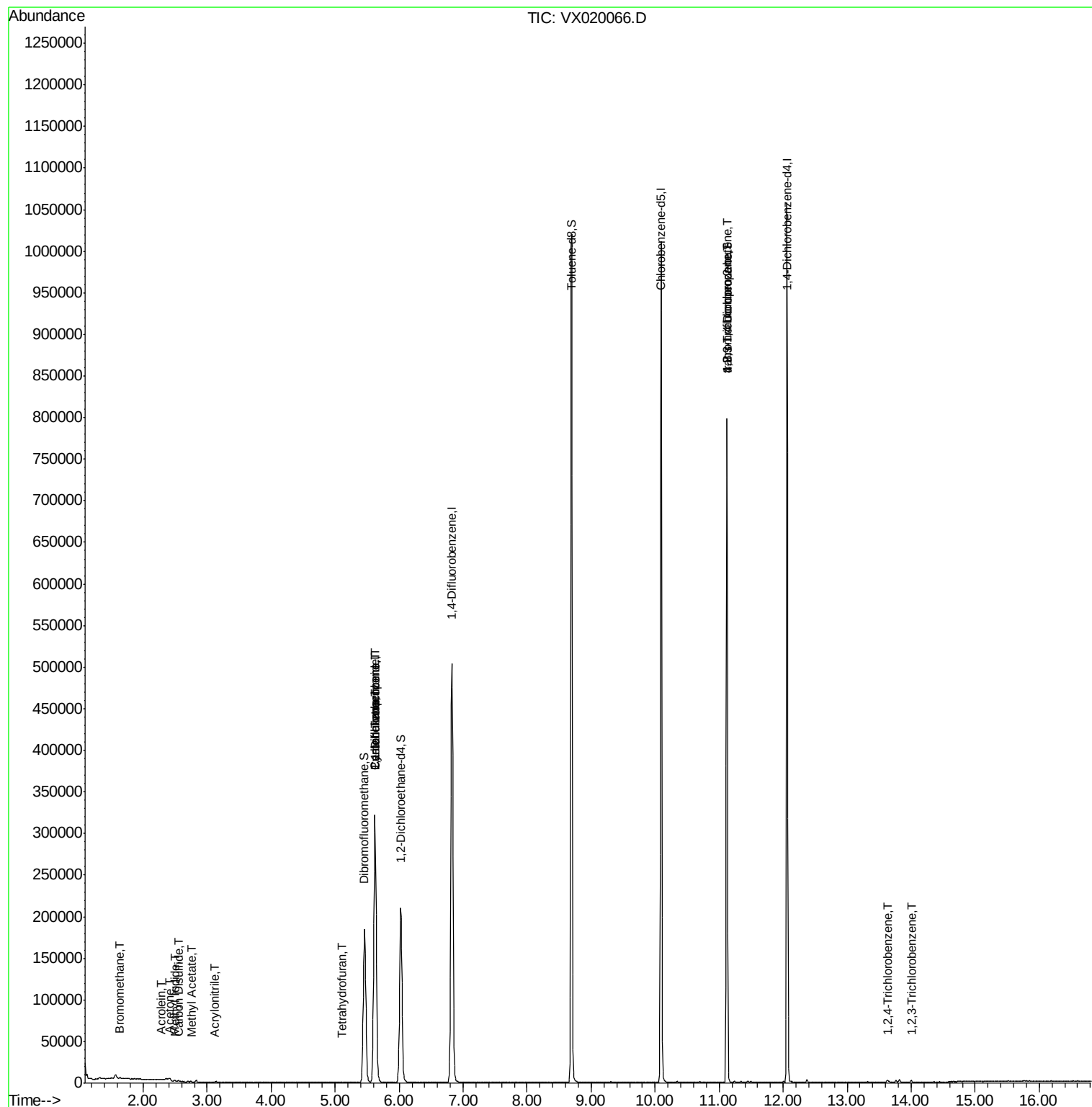
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	593	0.510	ug/l #	73
10) Methyl Iodide	2.50	142	1419	0.344	ug/l	98
11) Tert butyl alcohol	2.99	59	147	Below Cal	#	73
13) Acrolein	2.28	56	198	0.443	ug/l #	20
15) Acrylonitrile	3.12	53	674	0.368	ug/l	96
16) Acetone	2.42	43	1347	0.884	ug/l #	76
17) Carbon Disulfide	2.55	76	1685	0.208	ug/l #	91
18) Methyl Acetate	2.75	43	841	0.226	ug/l #	67
20) Methylene Chloride	2.82	84	886	Below Cal	#	79
29) Tetrahydrofuran	5.09	42	449	0.298	ug/l #	44
31) Cyclohexane	5.62	56	6011	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23530	5.059	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29963	6.578	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	106340	22.692	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106340	65.600	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.63	180	891	0.209	ug/l	87
96) 1,2,3-Trichlorobenzene	14.01	180	869	0.209	ug/l	99

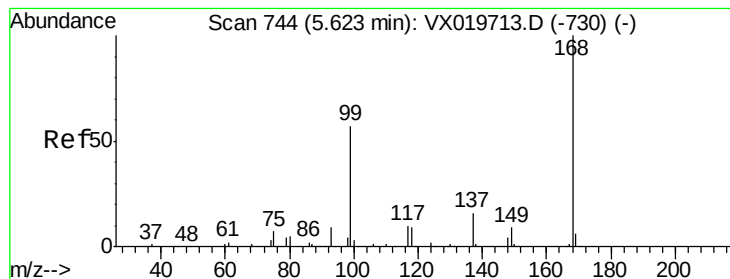
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
Data File : VX020066.D
Acq On : 16 Dec 2020 15:34
Operator : JC/MD
Sample : VX1217WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

Quant Time: Dec 17 00:30:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

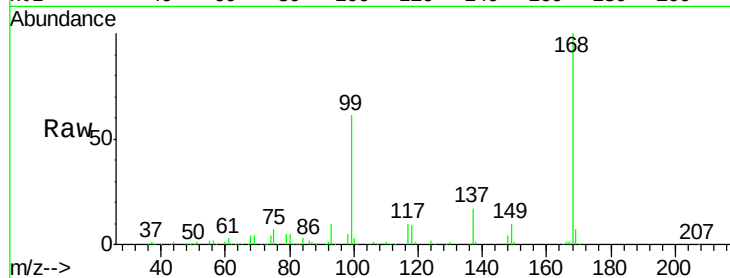
VX1217WBL01

Tgt Ion:168 Resp: 308396

Ion Ratio Lower Upper

168 100

99 60.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

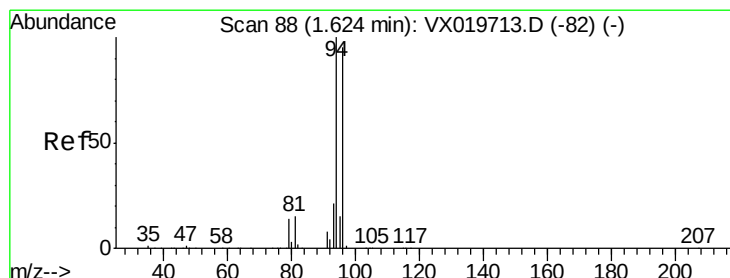
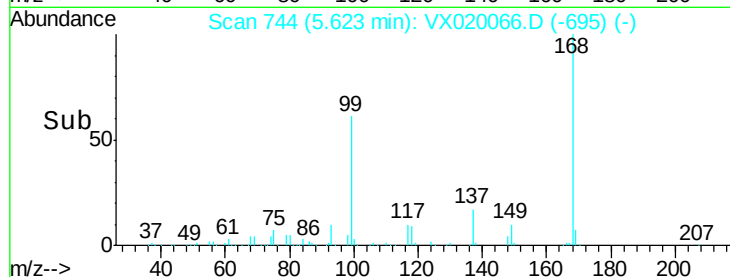
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.510 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020066.D

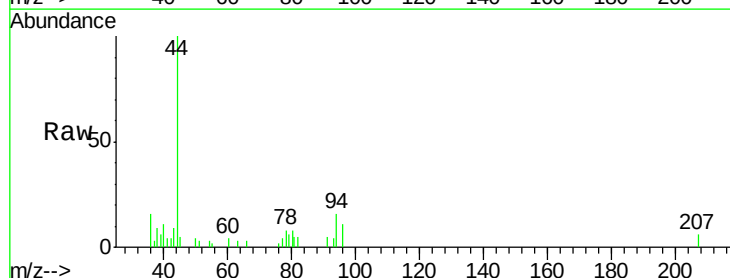
Acq: 16 Dec 2020 15:34

Tgt Ion: 94 Resp: 593

Ion Ratio Lower Upper

94 100

96 68.9 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

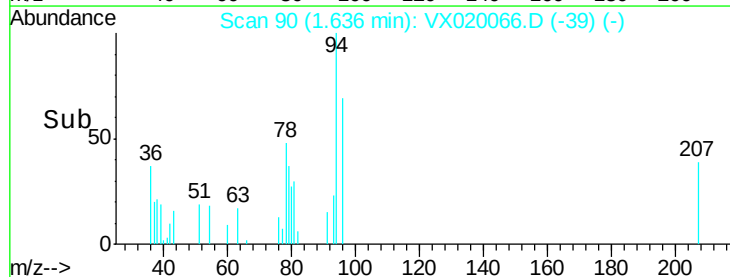
300

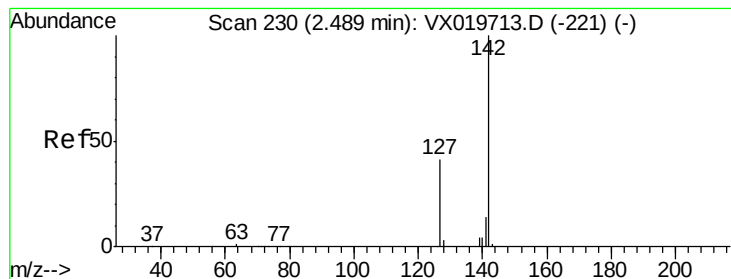
200

100

0

Time-->

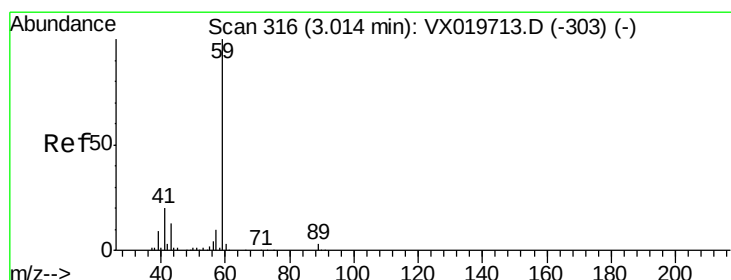
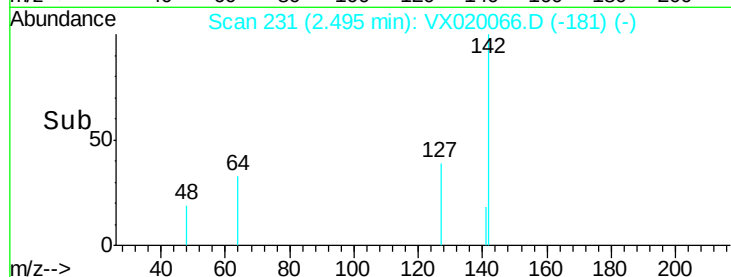
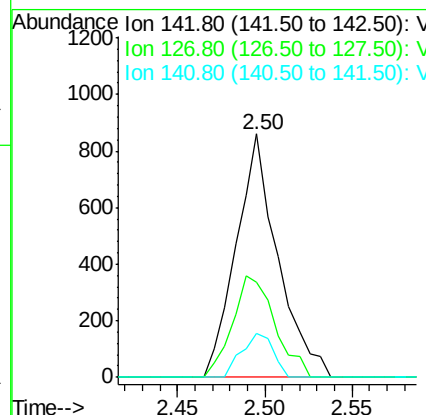
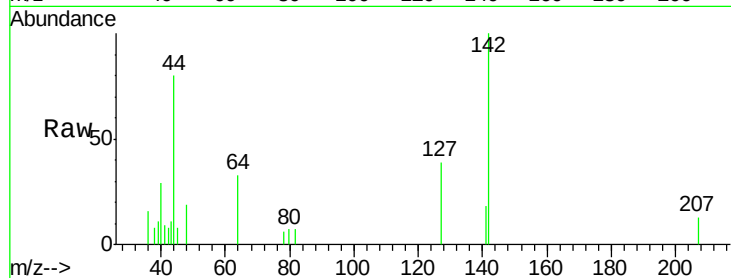




#10
Methyl Iodide
Concen: 0.344 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

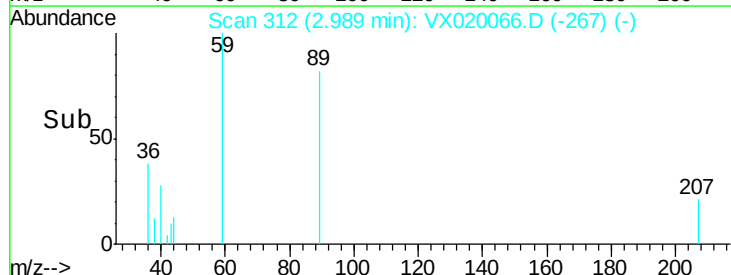
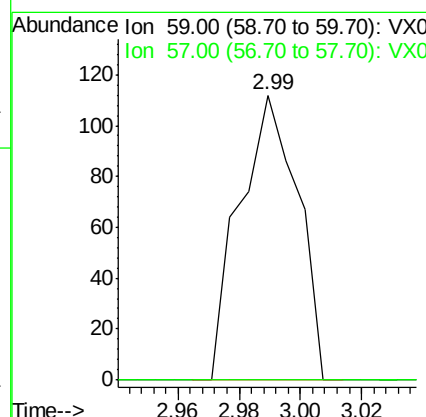
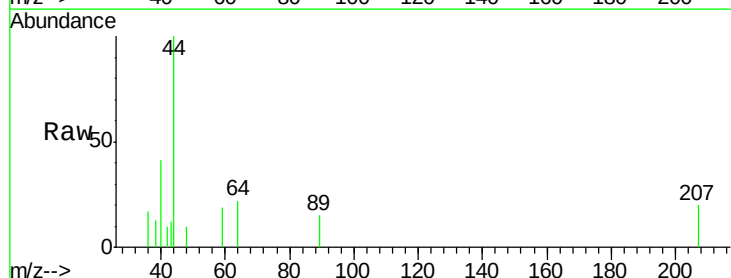
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

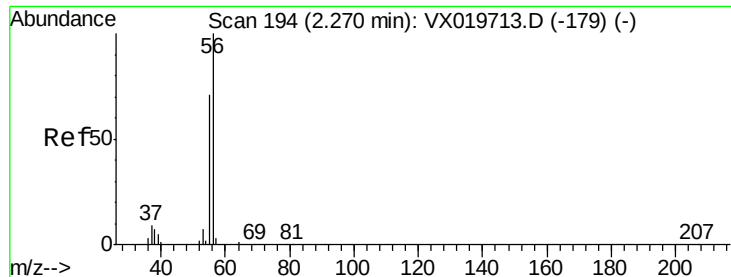
Tgt Ion: 142 Resp: 1419
Ion Ratio Lower Upper
142 100
127 42.7 33.3 49.9
141 13.5 11.4 17.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

Tgt Ion: 59 Resp: 147
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.443 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

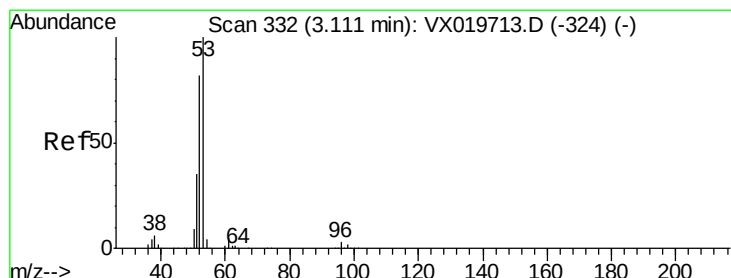
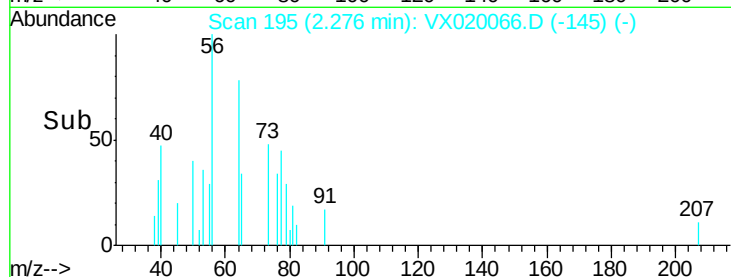
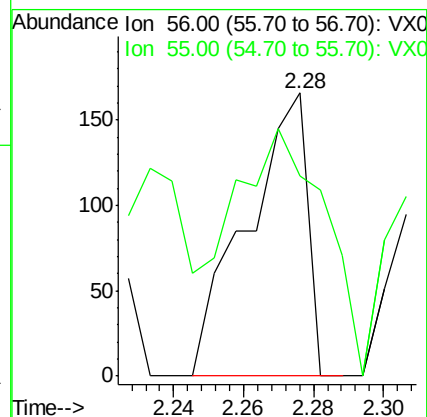
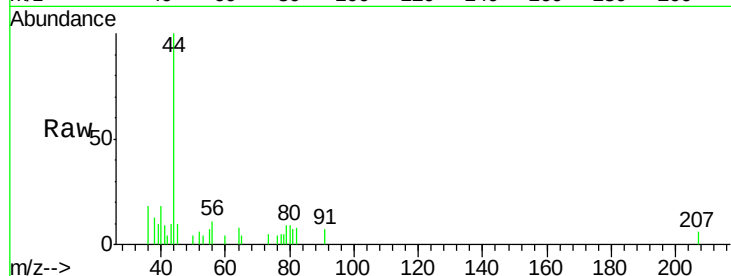
VX1217WBL01

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 136.4 56.4 84.6#



#15

Acrylonitrile

Concen: 0.368 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

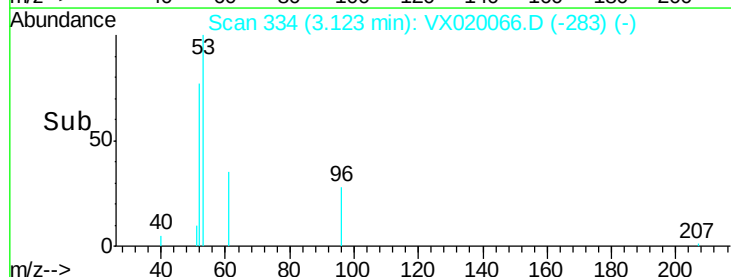
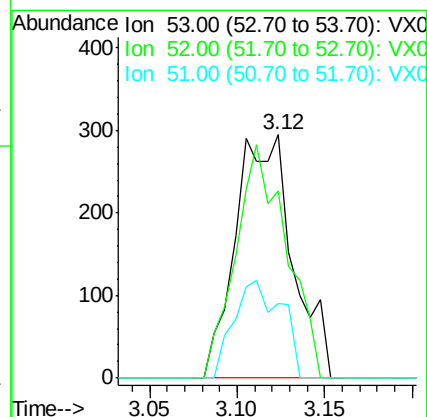
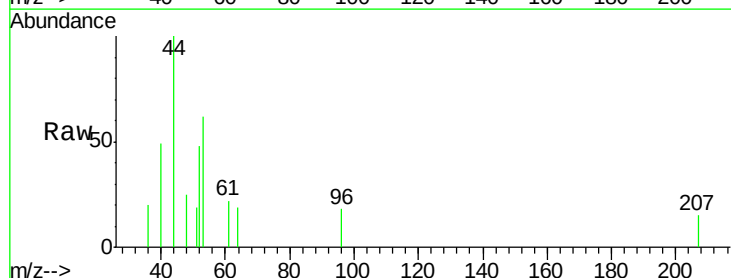
Tgt Ion: 53 Resp: 674

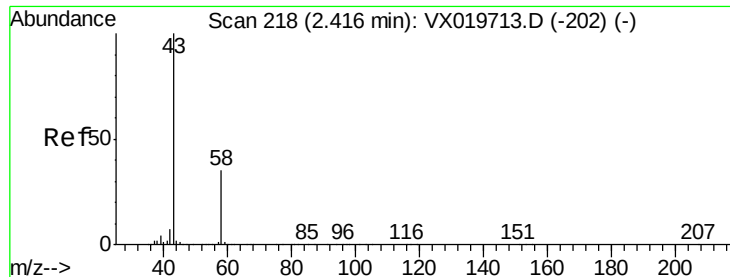
Ion Ratio Lower Upper

53 100

52 84.9 65.3 97.9

51 33.2 28.2 42.2





#16

Acetone

Concen: 0.884 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

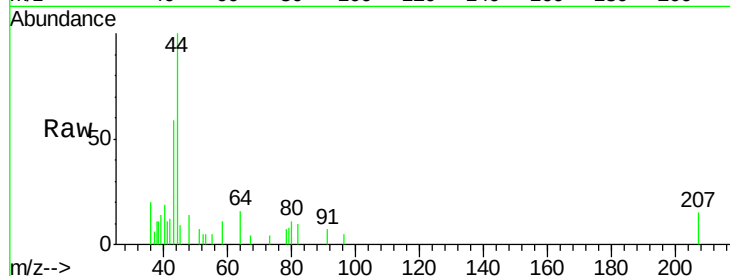
VX1217WBL01

Tgt Ion: 43 Resp: 1347

Ion Ratio Lower Upper

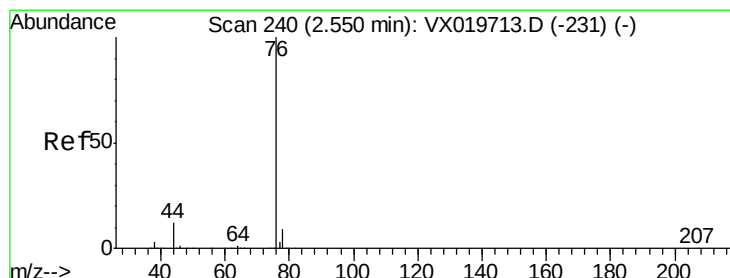
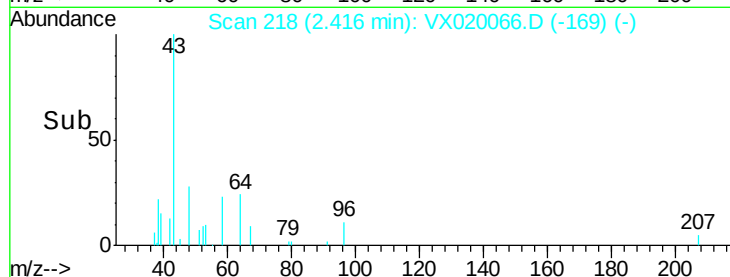
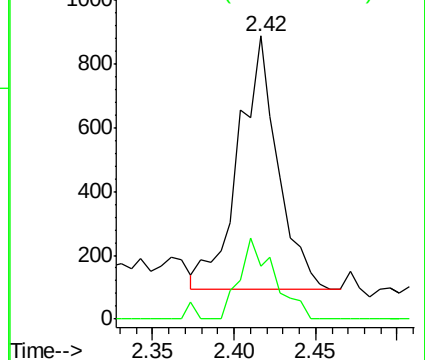
43 100

58 21.1 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX020066.D

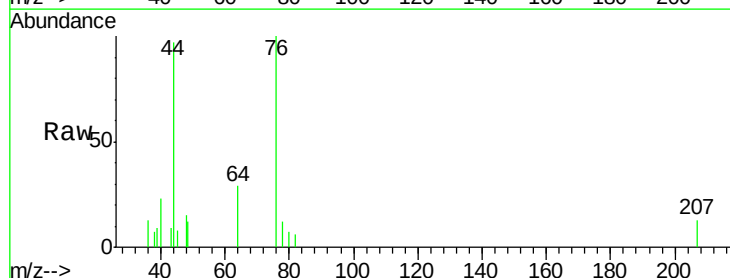
Acq: 16 Dec 2020 15:34

Tgt Ion: 76 Resp: 1685

Ion Ratio Lower Upper

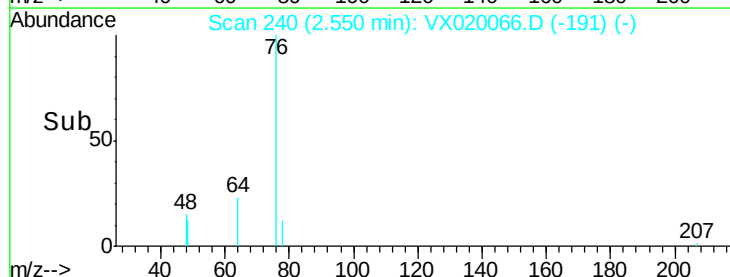
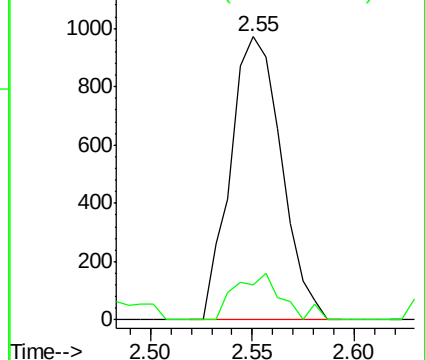
76 100

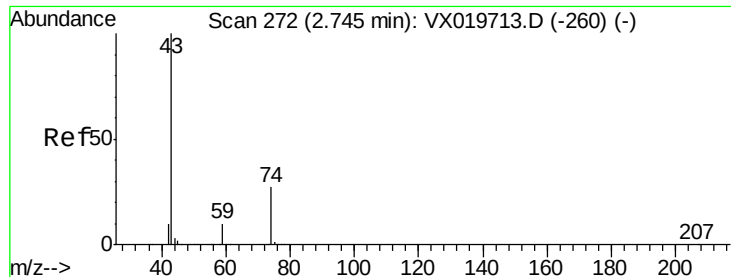
78 12.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

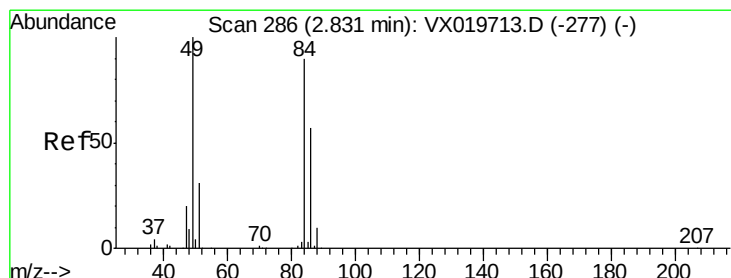
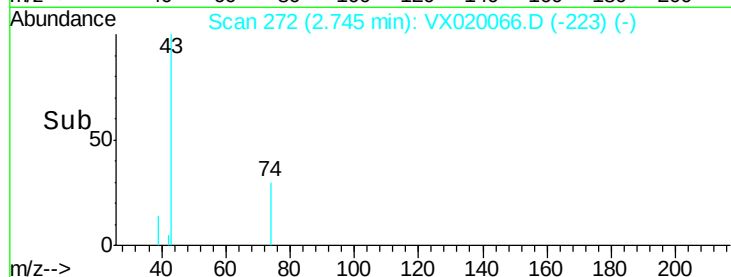
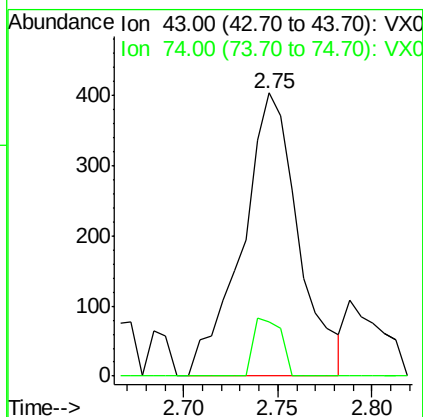
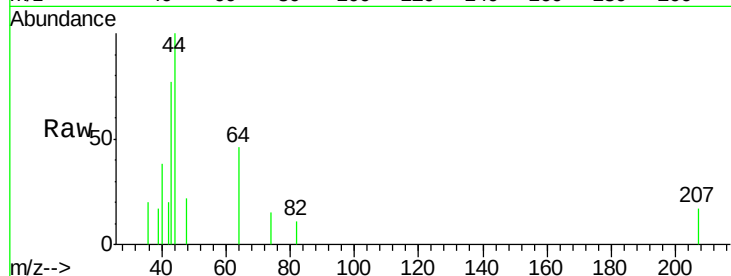




#18
Methyl Acetate
Concen: 0.226 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

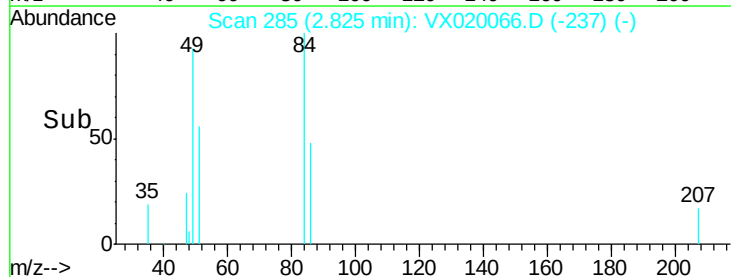
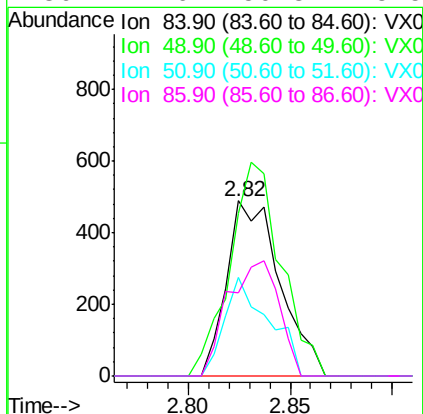
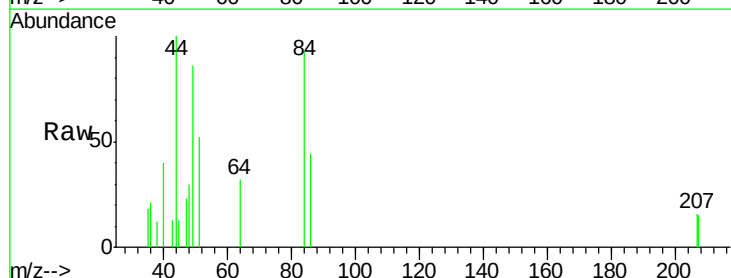
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

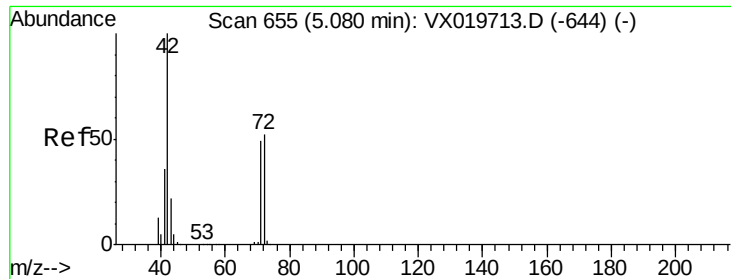
Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
74 10.0 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.82 min Scan# 285
Delta R.T. -0.01 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

Tgt Ion: 84 Resp: 886
Ion Ratio Lower Upper
84 100
49 92.8 88.6 132.8
51 56.2 27.0 40.6#
86 47.6 50.3 75.5#

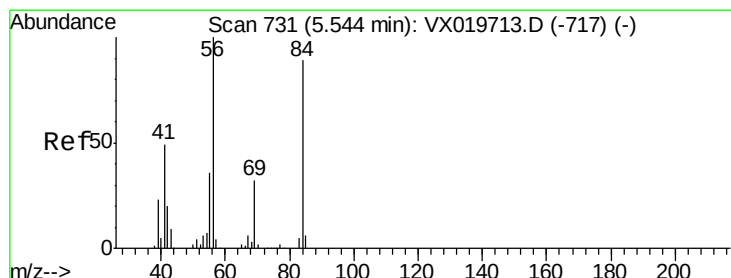
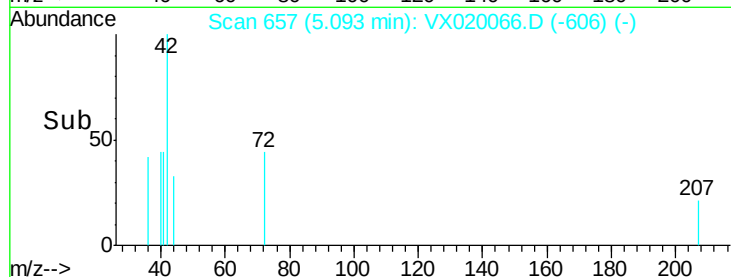
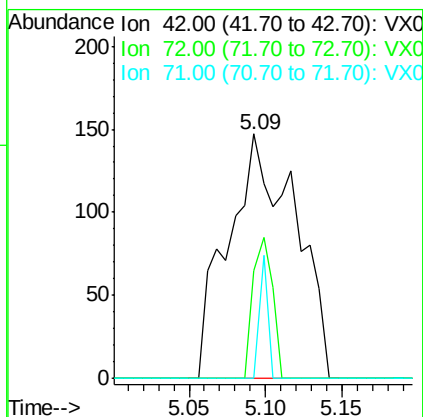
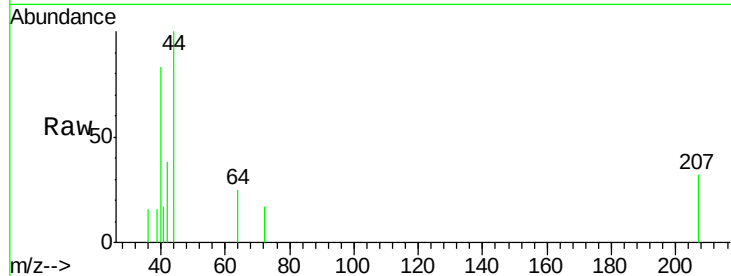




#29
Tetrahydrofuran
Concen: 0.298 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

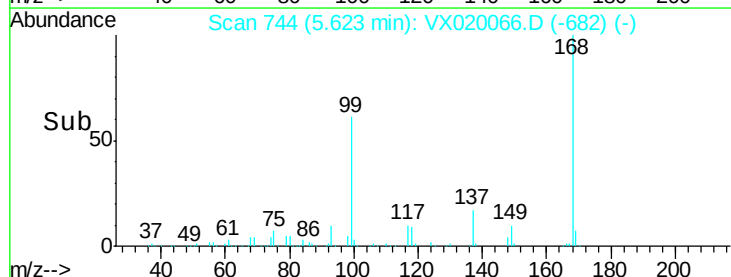
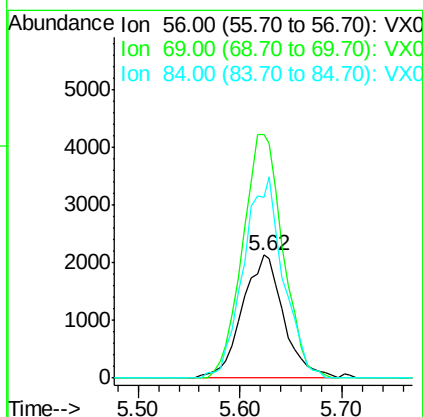
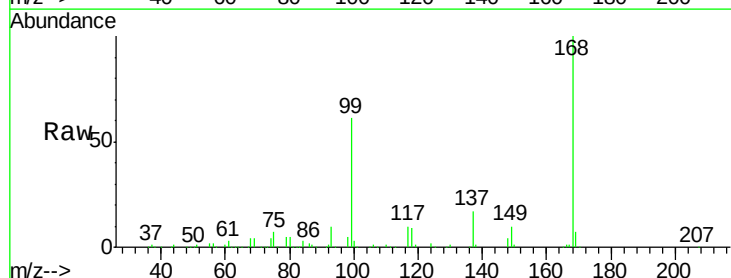
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

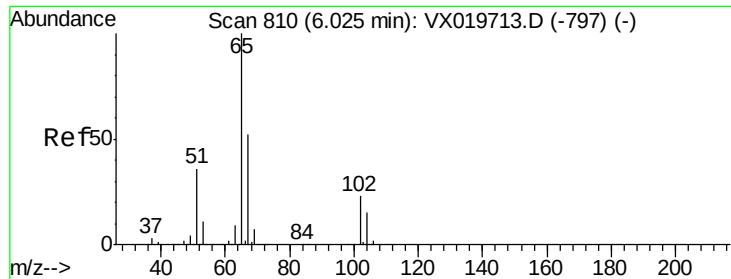
Tgt Ion: 42 Resp: 449
Ion Ratio Lower Upper
42 100
72 16.7 41.7 62.5#
71 6.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

Tgt Ion: 56 Resp: 6011
Ion Ratio Lower Upper
56 100
69 198.0 25.3 37.9#
84 147.3 71.4 107.0#

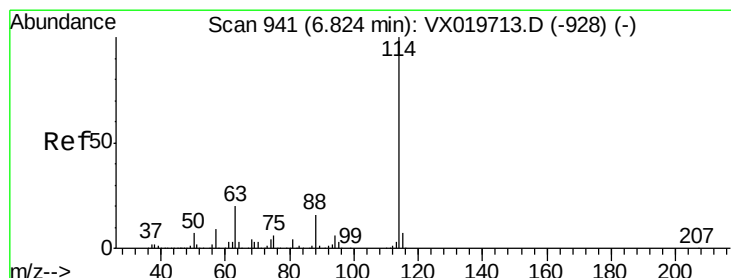
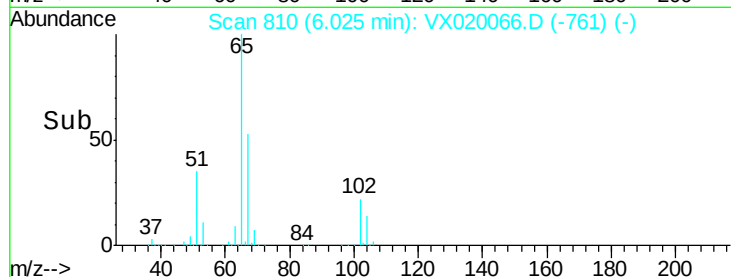
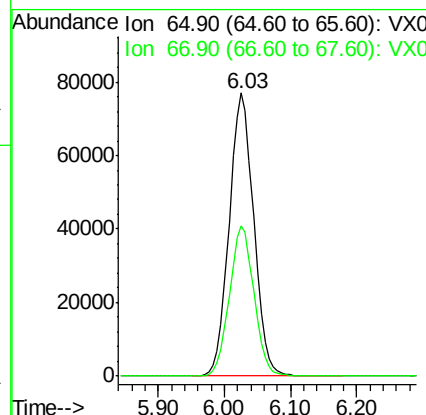
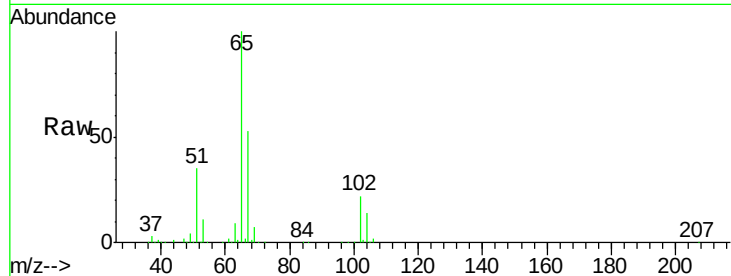




#33
 1,2-Dichloroethane-d4
 Concen: 48.955 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: VX020066.D
 Acq: 16 Dec 2020 15:34

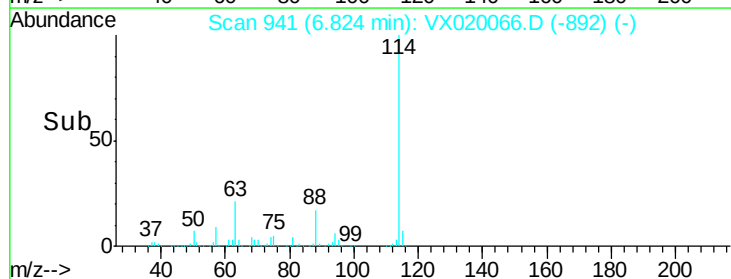
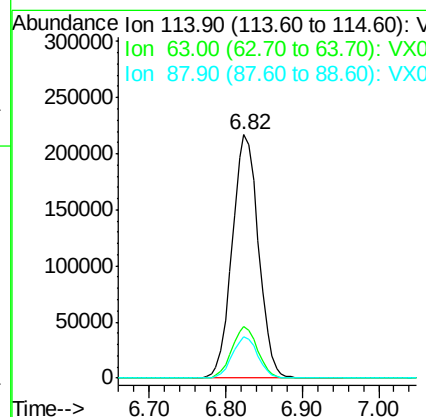
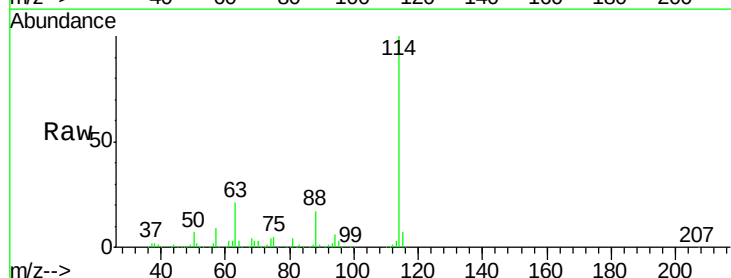
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1217WBL01

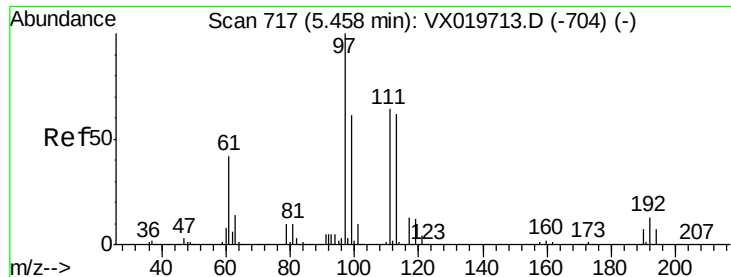
Tgt Ion: 65 Resp: 198425
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.82 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VX020066.D
 Acq: 16 Dec 2020 15:34

Tgt Ion: 114 Resp: 514752
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.222 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.00 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX1217WBL01

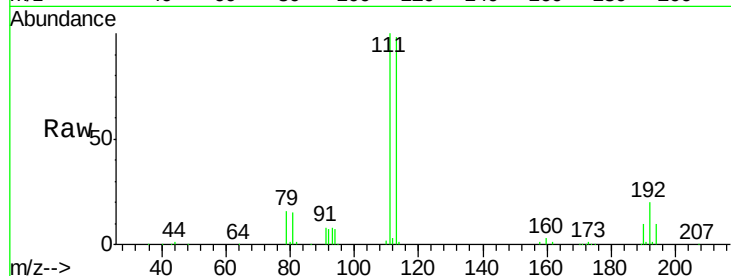
Tgt Ion:113 Resp: 160422

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

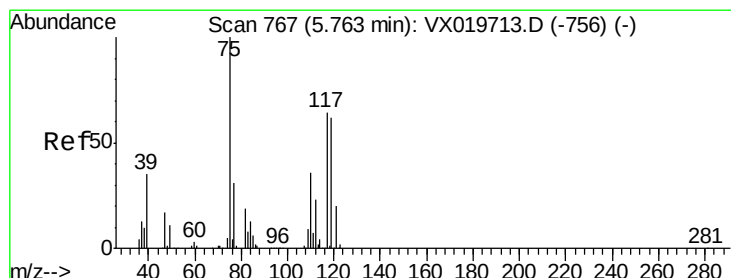
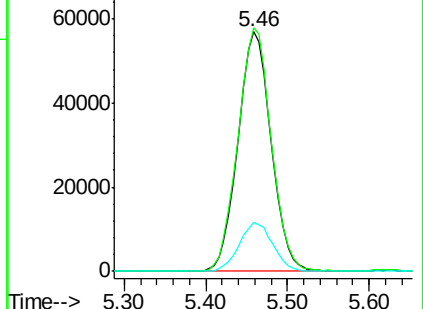
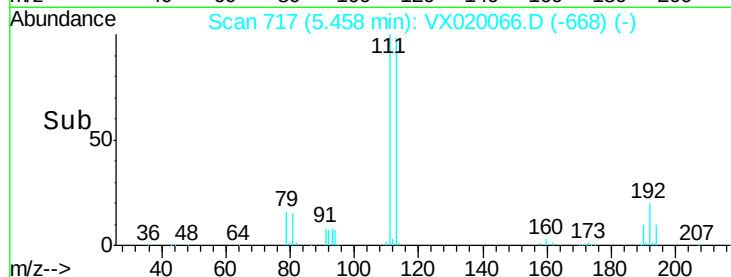
192 20.7 16.7 25.1



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: 5.059 ug/l

RT: 5.62 min Scan# 743

Delta R.T. -0.15 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

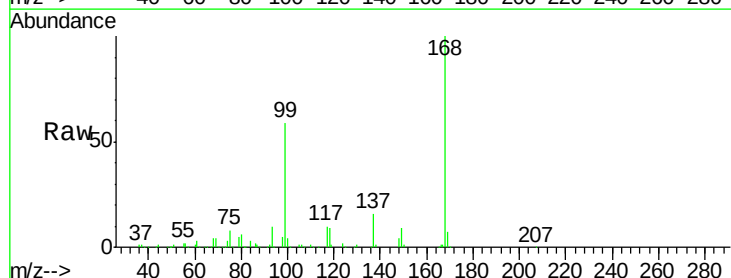
Tgt Ion: 75 Resp: 23530

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

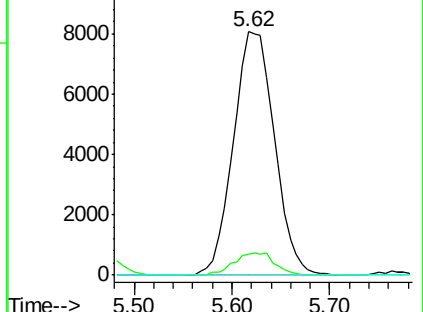
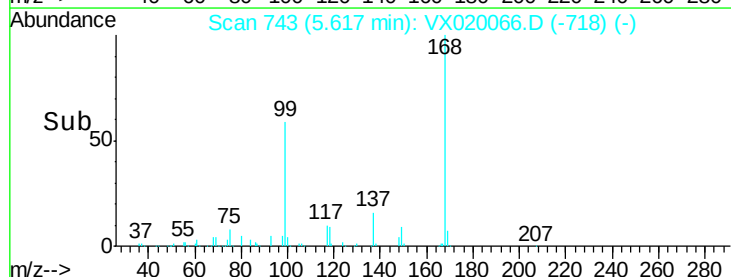
77 0.0 25.3 37.9#

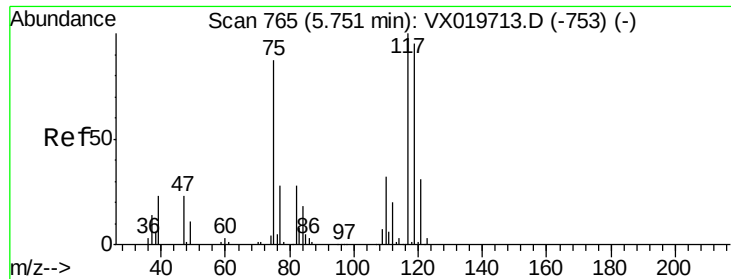


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

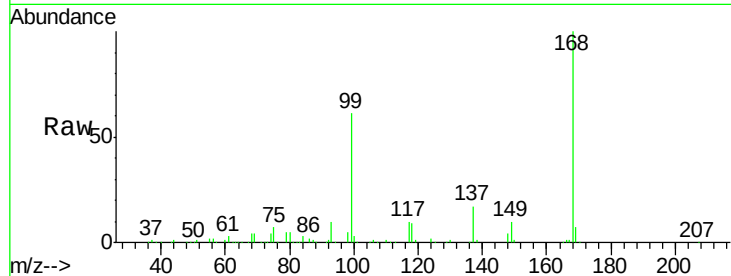




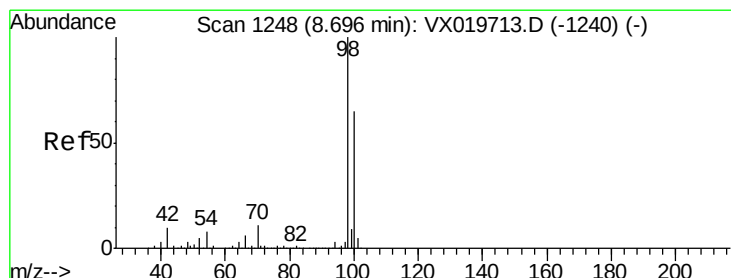
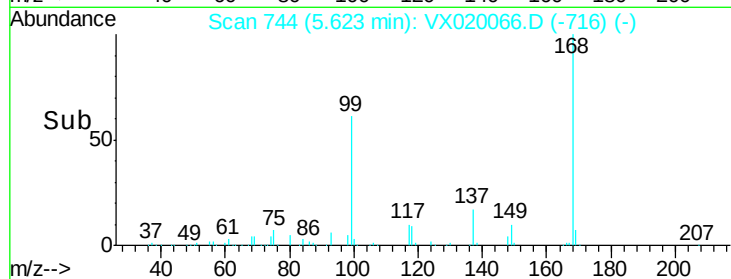
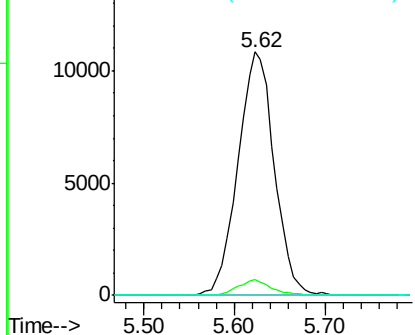
#38
Carbon Tetrachloride
Concen: 6.578 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

Tgt Ion: 117 Resp: 29963
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.2#
121 0.0 24.8 37.2#

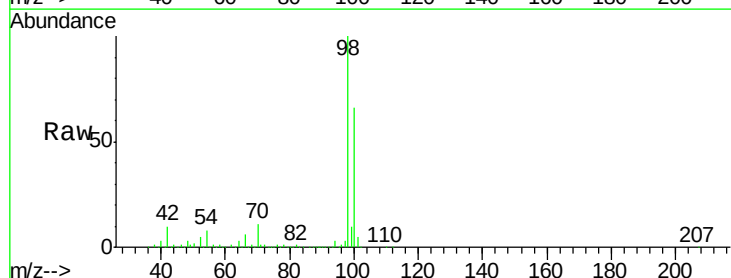


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

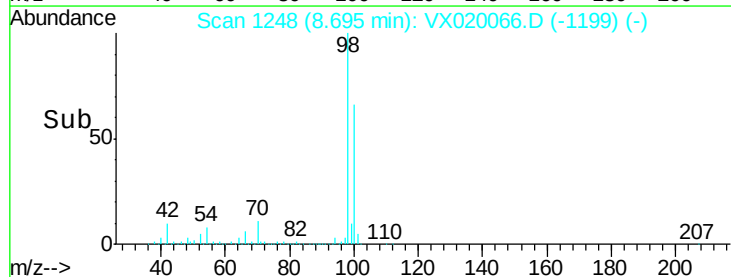
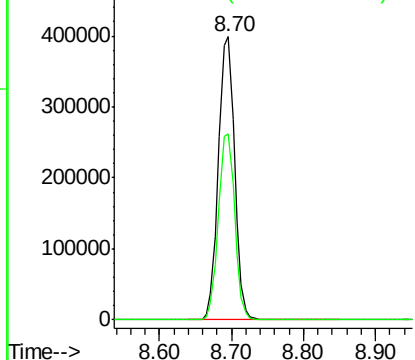


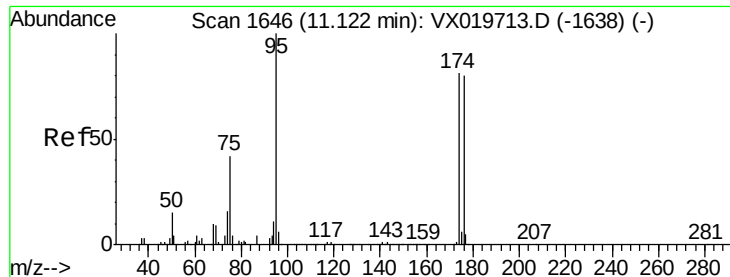
#50
Toluene-d8
Concen: 49.046 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX020066.D
Acq: 16 Dec 2020 15:34

Tgt Ion: 98 Resp: 622915
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.565 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX1217WBL01

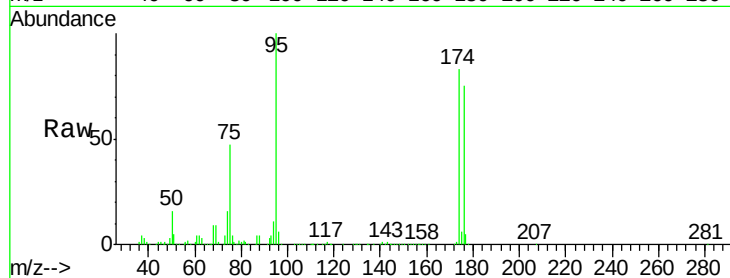
Tgt Ion: 95 Resp: 220265

Ion Ratio Lower Upper

95 100

174 78.8 0.0 154.6

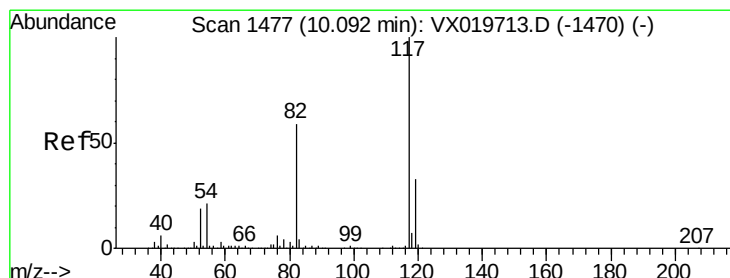
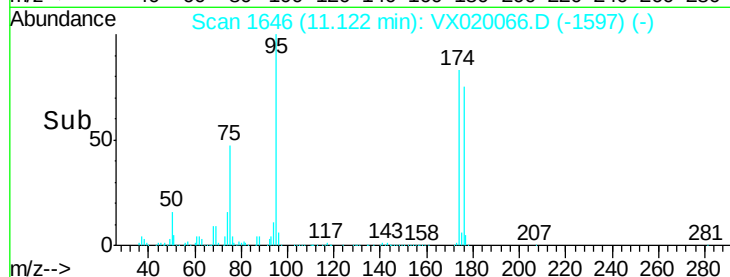
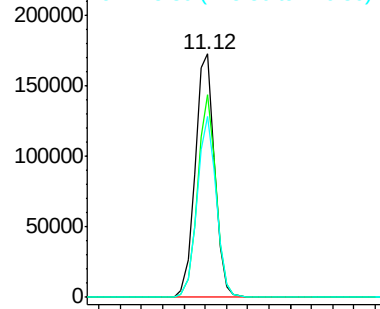
176 73.4 0.0 155.8



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: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

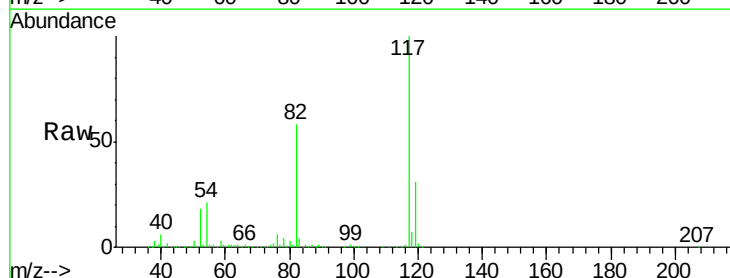
Tgt Ion: 117 Resp: 476289

Ion Ratio Lower Upper

117 100

82 57.8 47.4 71.2

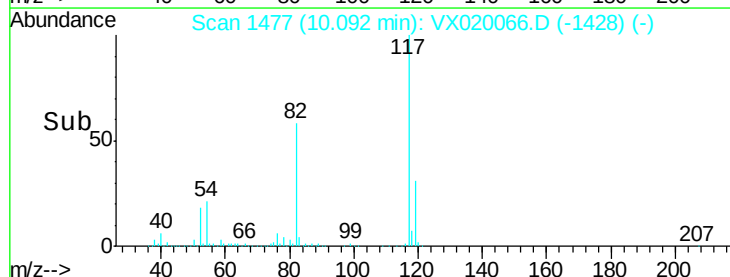
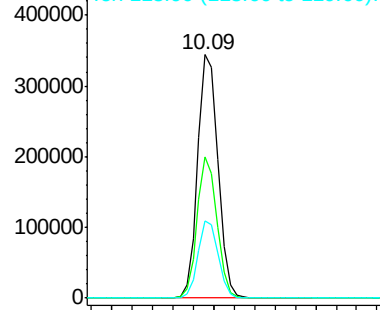
119 31.5 26.6 39.8

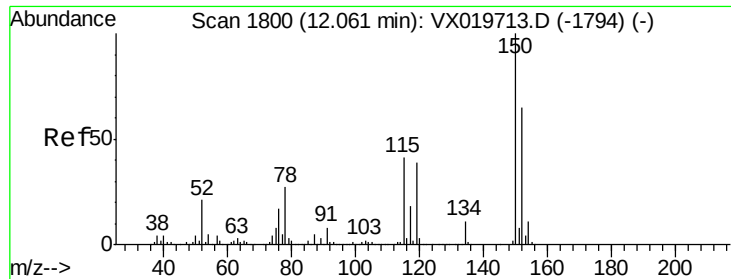


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX020066.D

Acq: 16 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampleId :

VX1217WBL01

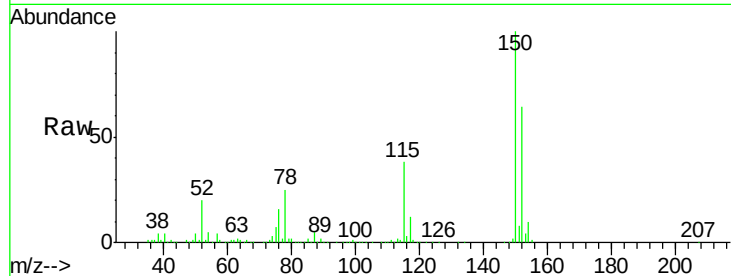
Tgt Ion:152 Resp: 208939

Ion Ratio Lower Upper

152 100

115 59.4 41.1 123.3

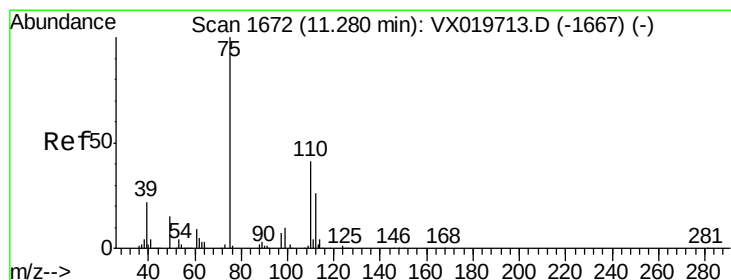
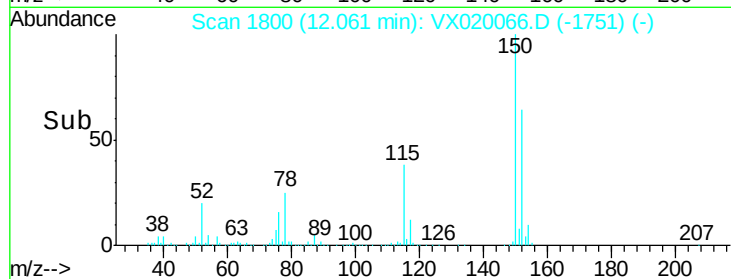
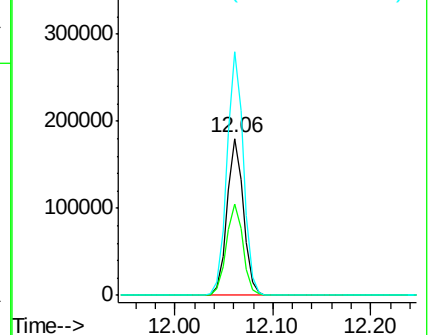
150 156.0 0.0 349.0



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: 22.692 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020066.D

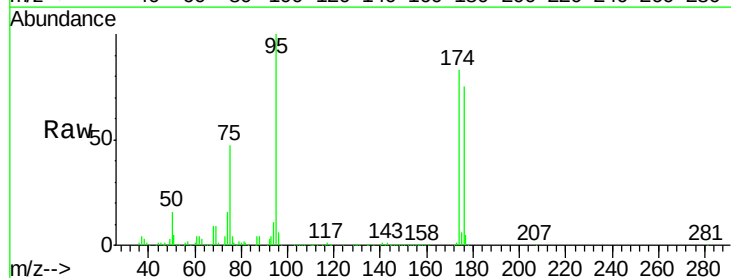
Acq: 16 Dec 2020 15:34

Tgt Ion: 75 Resp: 106340

Ion Ratio Lower Upper

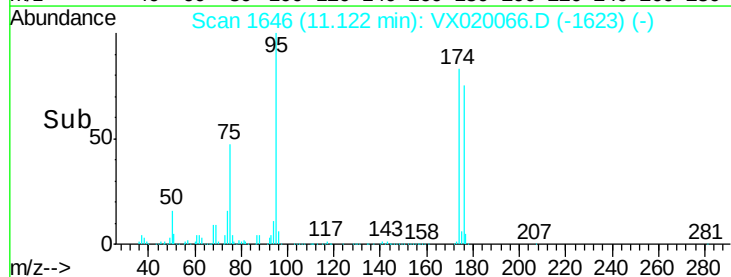
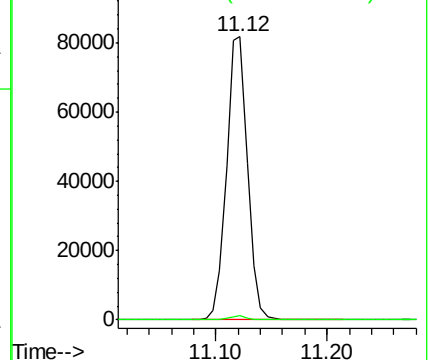
75 100

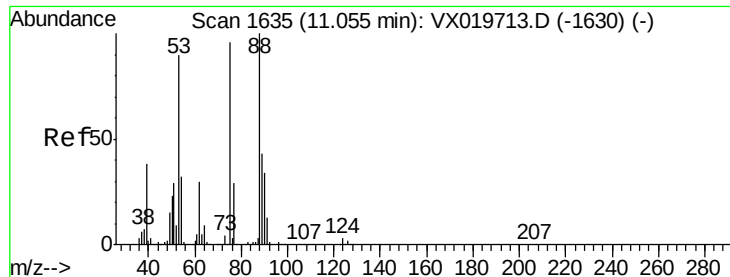
77 1.3 19.1 57.5#



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: 65.600 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

Instrument :

MSVOA_X

ClientSampled :

VX1217WBL01

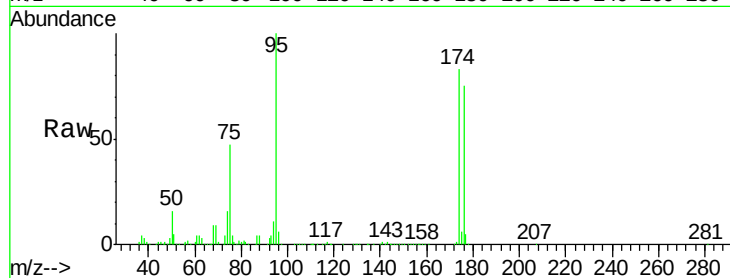
Tgt Ion: 75 Resp: 106340

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

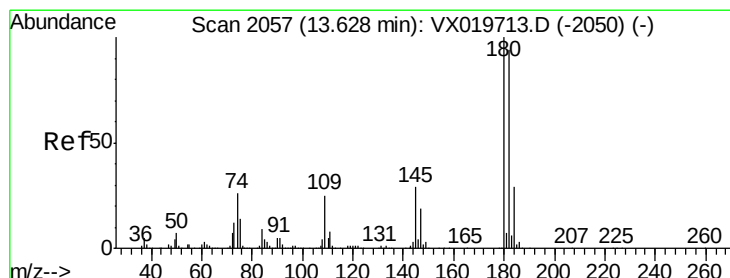
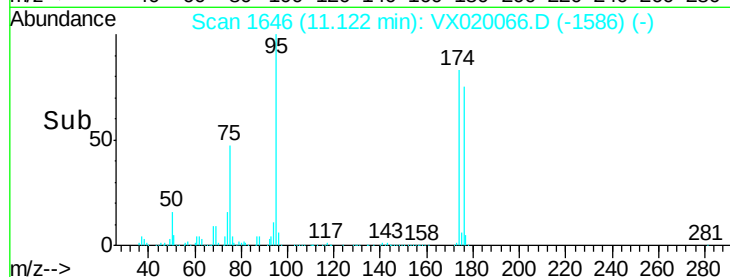
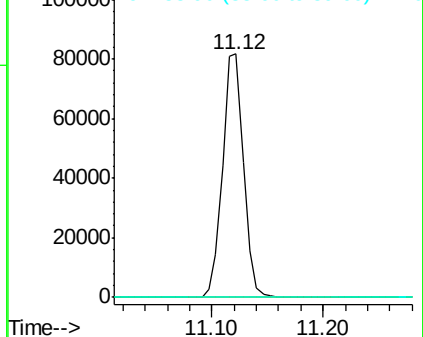
89 0.0 37.9 56.9#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.209 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX020066.D

Acq: 16 Dec 2020 15:34

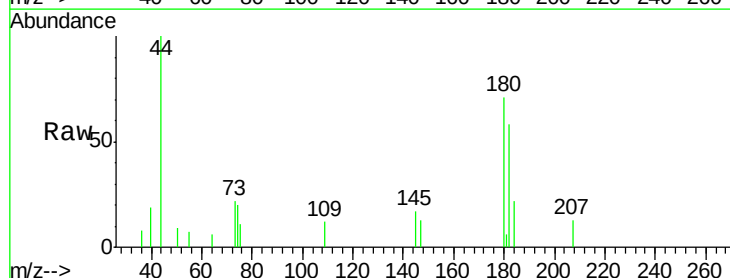
Tgt Ion: 180 Resp: 891

Ion Ratio Lower Upper

180 100

182 83.1 47.7 143.1

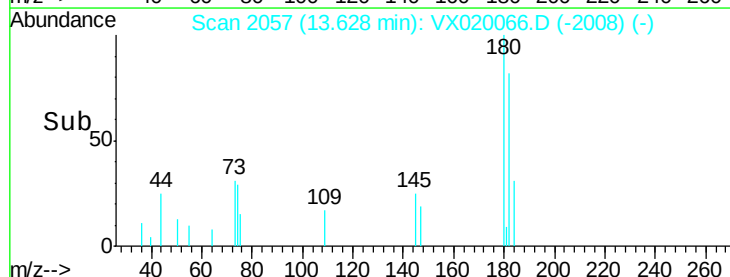
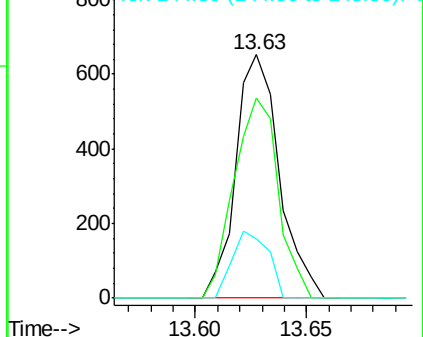
145 22.4 15.0 45.0

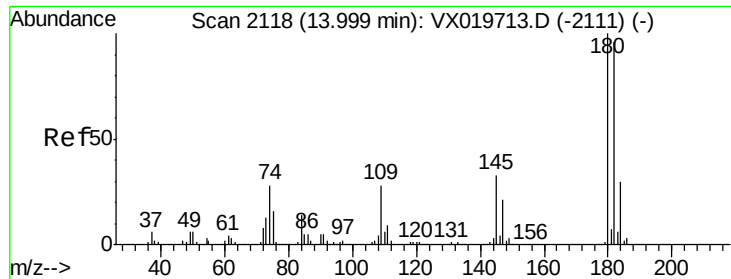


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.209 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX020066.D
 Acq: 16 Dec 2020 15:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1217WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.6	142.9
145	30.1	16.1	48.3

