

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111920\
 Data File : VX019458.D
 Acq On : 18 Nov 2020 18:06
 Operator : JC/MD
 Sample : VX1119WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBL01

Quant Time: Nov 19 03:12:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X111920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 16:47:30 2020
 Response via : Initial Calibration

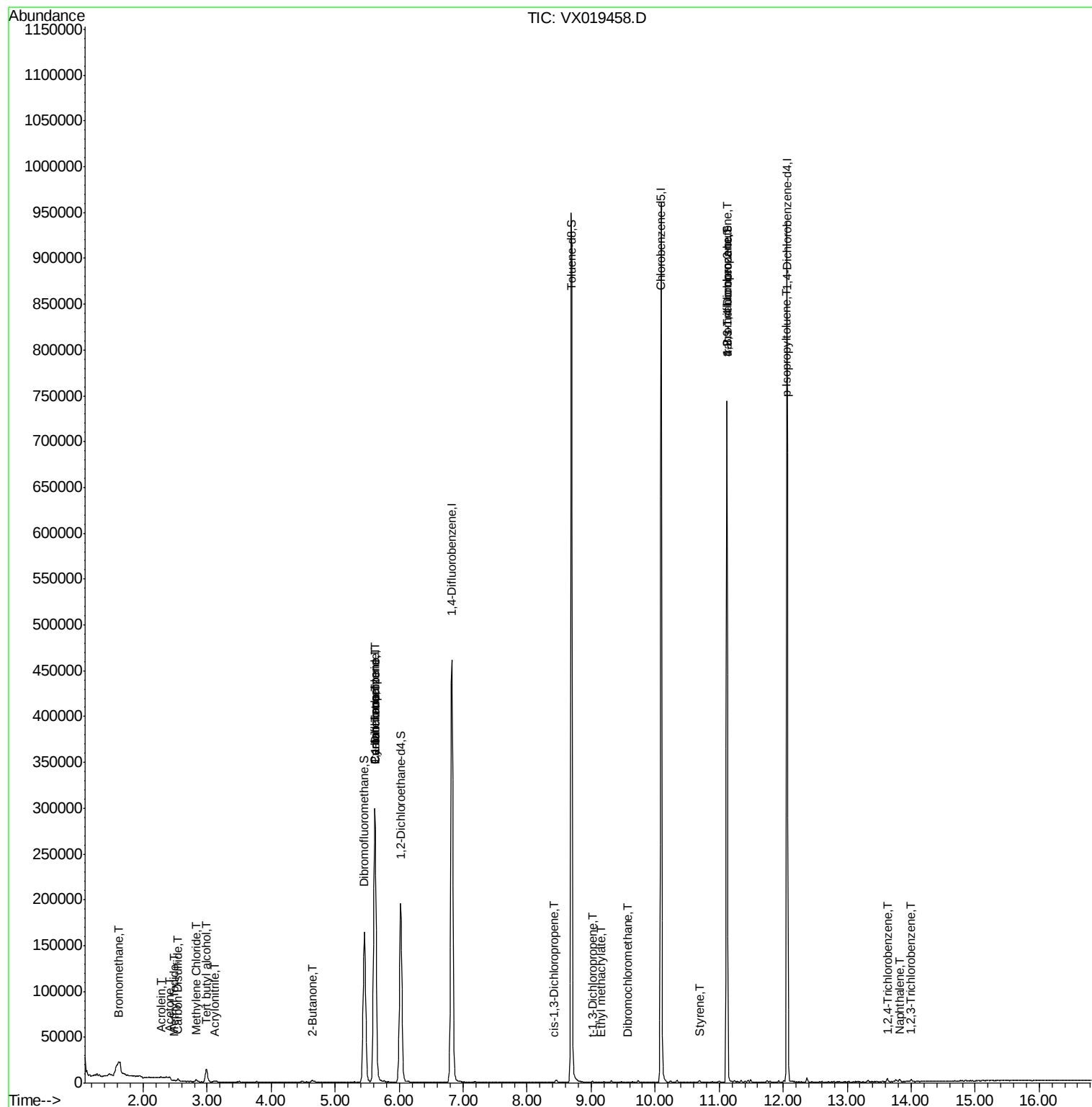
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	272475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	459871	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	417531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174127	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	192624	45.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.24%	
35) Dibromofluoromethane	5.46	113	142259	47.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.02%	
50) Toluene-d8	8.69	98	562485	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
62) 4-Bromofluorobenzene	11.12	95	200328	46.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.74%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.62	94	1521	0.841	ug/l	84
6) Chloroethane	1.70	64	19	Below Cal	#	86
10) Methyl Iodide	2.49	142	1026	0.282	ug/l	99
11) Tert butyl alcohol	2.99	59	8650	10.901	ug/l #	75
13) Acrolein	2.27	56	571	1.004	ug/l #	56
15) Acrylonitrile	3.12	53	478	0.261	ug/l #	90
16) Acetone	2.42	43	2030	1.229	ug/l #	86
17) Carbon Disulfide	2.54	76	3046	0.382	ug/l #	89
20) Methylene Chloride	2.82	84	901	0.241	ug/l #	91
25) 2-Butanone	4.64	43	805	0.327	ug/l #	48
31) Cyclohexane	5.62	56	6735	1.256	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23792	5.161	ug/l #	51
38) Carbon Tetrachloride	5.62	117	29955	6.588	ug/l #	17
53) t-1,3-Dichloropropene	9.01	75	342	1.885	ug/l	93
54) cis-1,3-Dichloropropene	8.42	75	218	1.520	ug/l #	68
56) Ethyl methacrylate	9.15	69	76	1.759	ug/l #	47
60) Dibromochloromethane	9.56	129	96	1.646	ug/l #	11
70) Styrene	10.70	104	543	2.181	ug/l #	87
76) 1,2,3-Trichloropropane	11.12	75	105952	25.522	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	105952	67.471	ug/l #	9
86) p-Isopropyltoluene	12.05	119	887	1.677	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.62	180	816	2.956	ug/l	97
95) Naphthalene	13.82	128	2239	2.476	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	780	2.635	ug/l	95

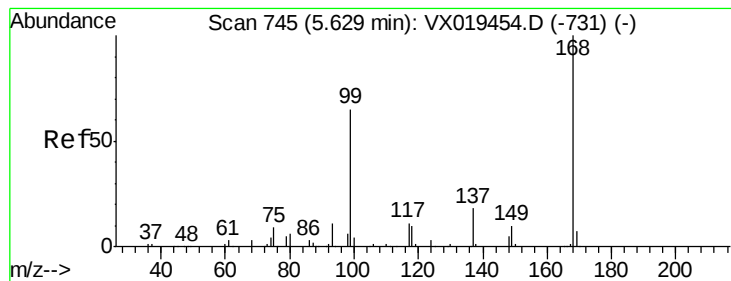
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111920\
Data File : VX019458.D
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Operator : JC/MD
Sample : VX1119WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX1119WBL01

Quant Time: Nov 19 03:12:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X111920W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 16:47:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

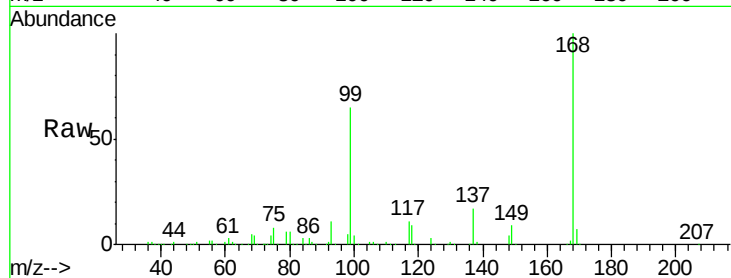
VX1119WBL01

Tot Ion:168 Resp: 272475

Ion Ratio Lower Upper

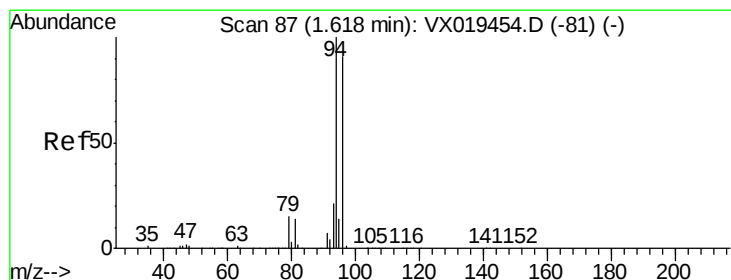
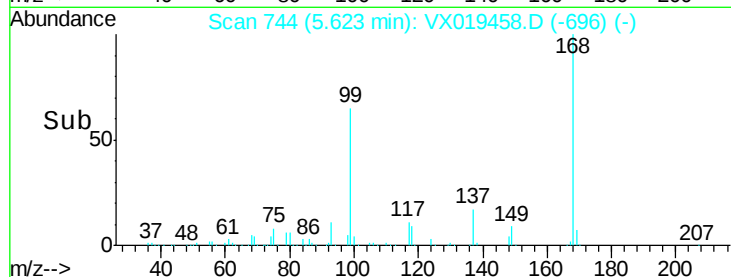
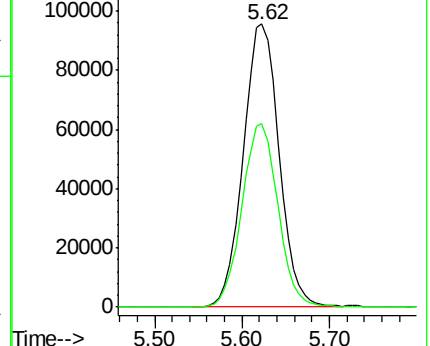
168 100

99 64.9 52.1 78.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.841 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019458.D

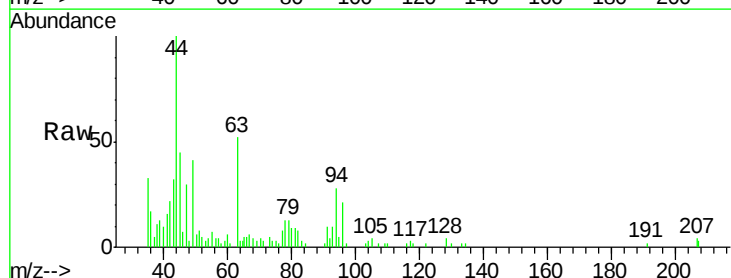
Acq: 18 Nov 2020 18:06

Tgt Ion: 94 Resp: 1521

Ion Ratio Lower Upper

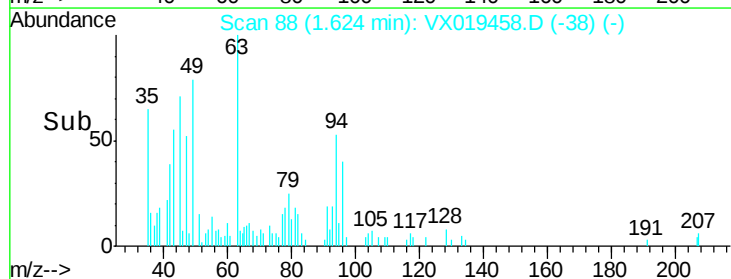
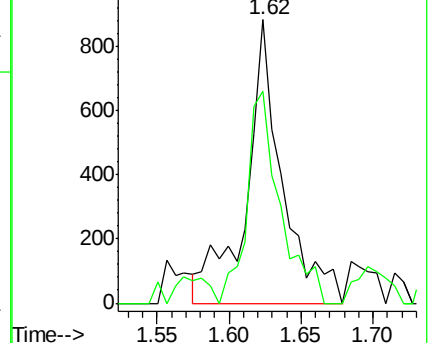
94 100

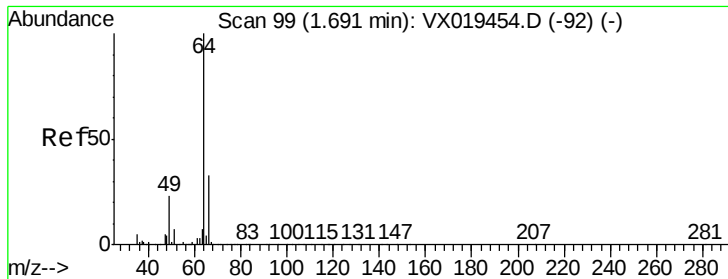
96 74.9 72.4 108.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 100

Delta R.T. 0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

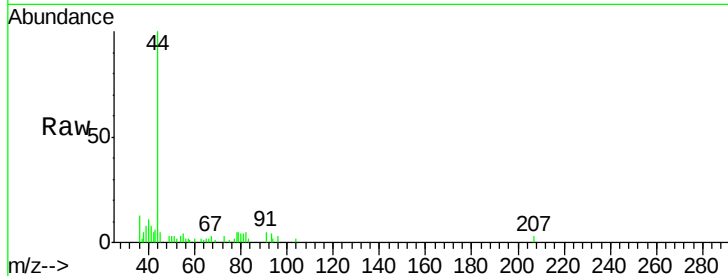
VX1119WBL01

Tot Ion: 64 Resp: 19

Ion Ratio Lower Upper

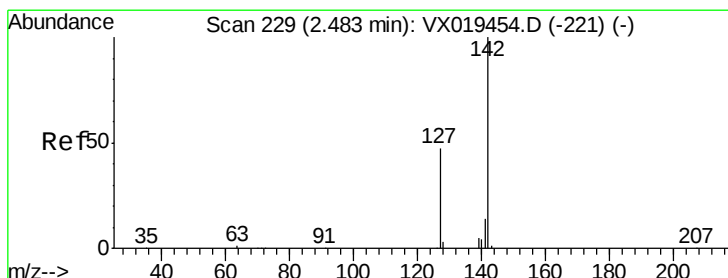
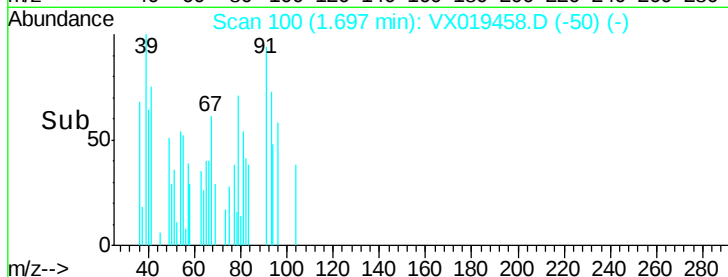
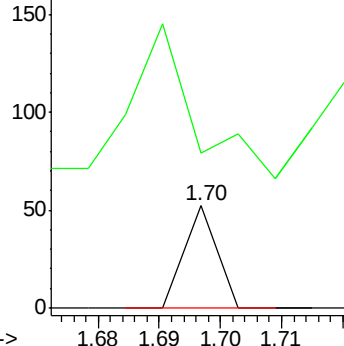
64 100

66 25.0 26.1 39.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.282 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

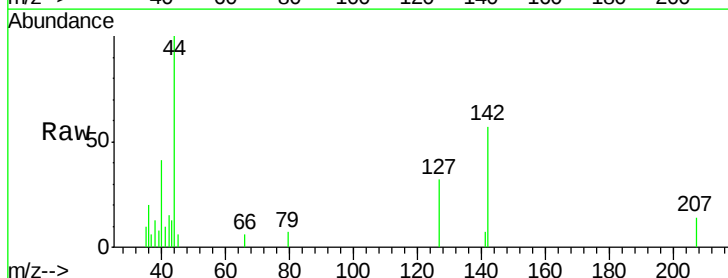
Tgt Ion: 142 Resp: 1026

Ion Ratio Lower Upper

142 100

127 46.4 37.8 56.6

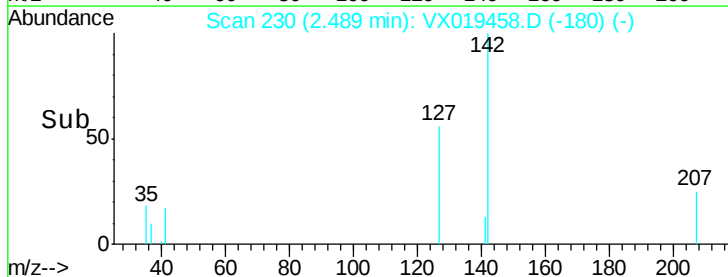
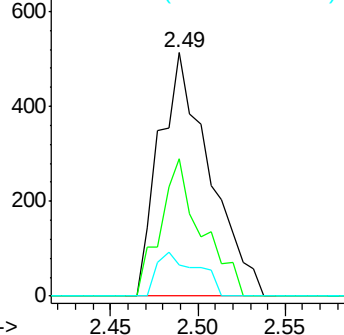
141 14.5 11.4 17.2

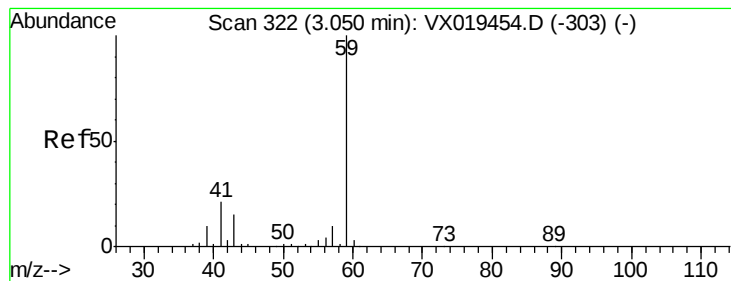


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



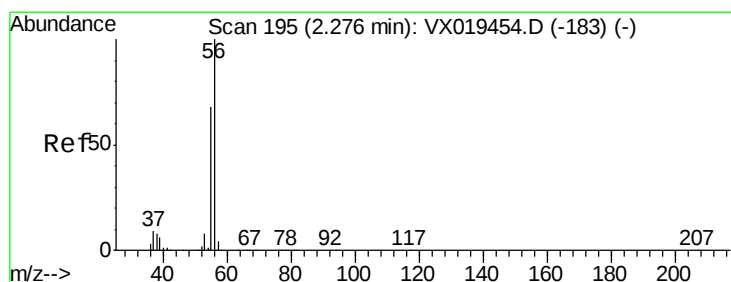
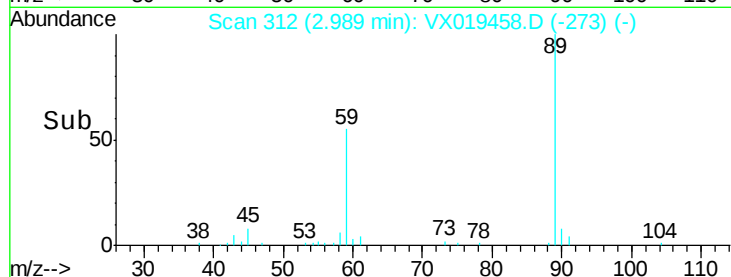
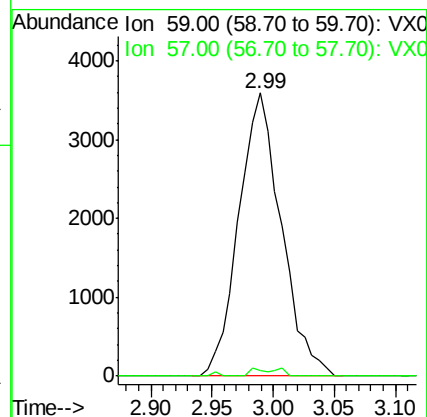
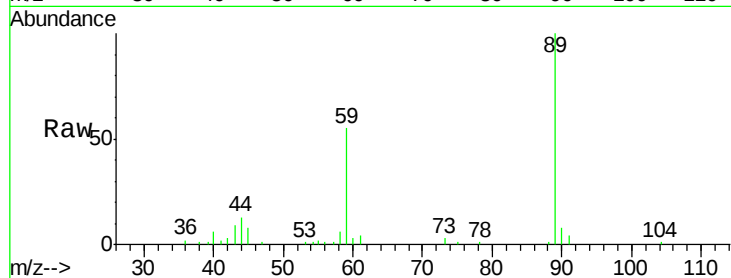


#11

Tert butyl alcohol
 Concen: 10.901 ug/l
 RT: 2.99 min Scan# 312
 Delta R.T. -0.06 min
 Lab File: VX019458.D
 Acq: 18 Nov 2020 18:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBL01

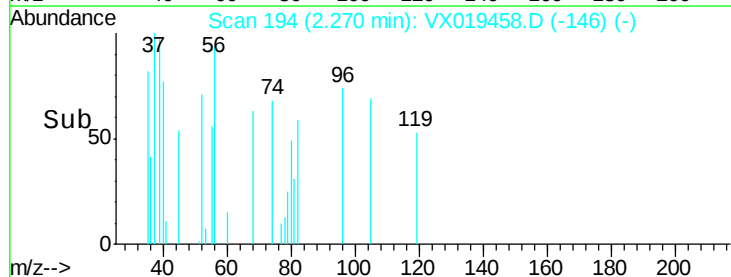
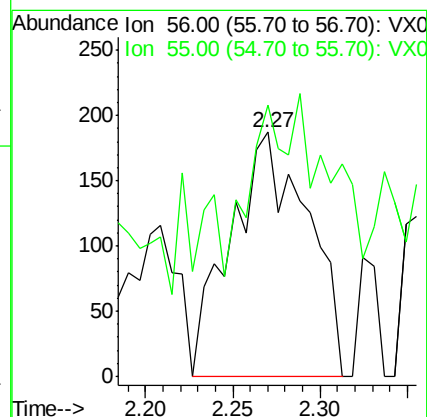
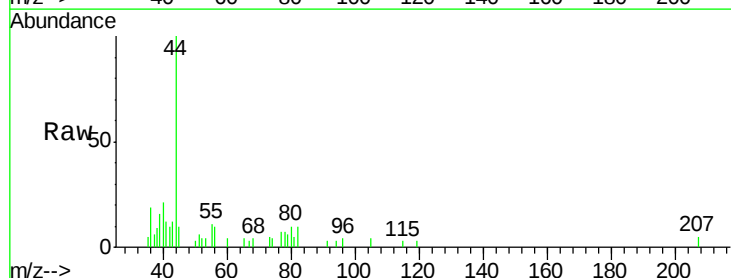
Tot Ion: 59 Resp: 8650
 Ion Ratio Lower Upper
 59 100
 57 1.0 8.4 12.6#

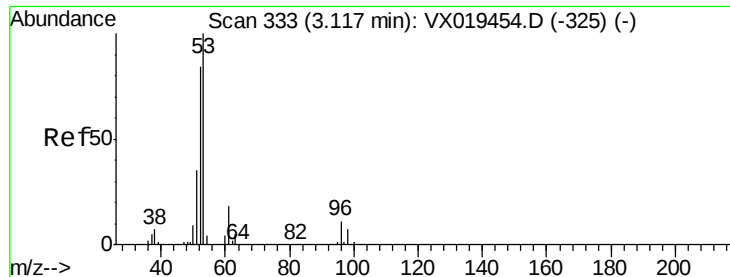


#13

Acrolein
 Concen: 1.004 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.01 min
 Lab File: VX019458.D
 Acq: 18 Nov 2020 18:06

Tgt Ion: 56 Resp: 571
 Ion Ratio Lower Upper
 56 100
 55 34.0 55.9 83.9#





#15

Acrylonitrile

Concen: 0.261 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBL01

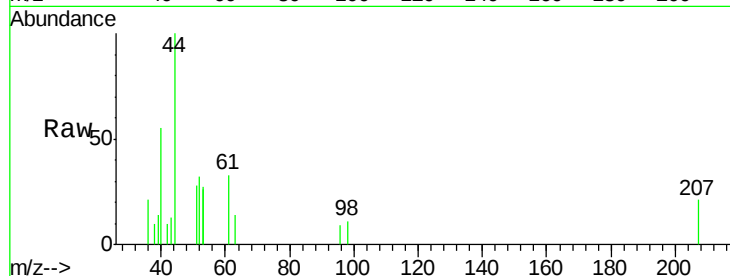
Tot Ion: 53 Resp: 478

Ion Ratio Lower Upper

53 100

52 78.5 66.3 99.5

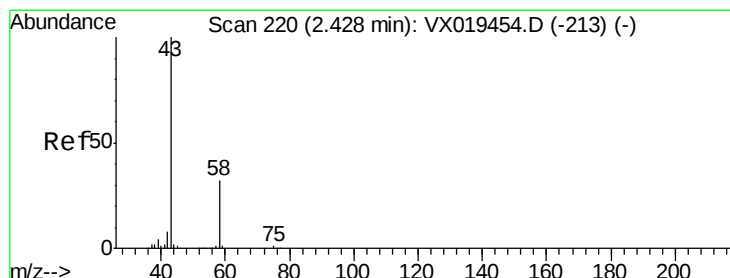
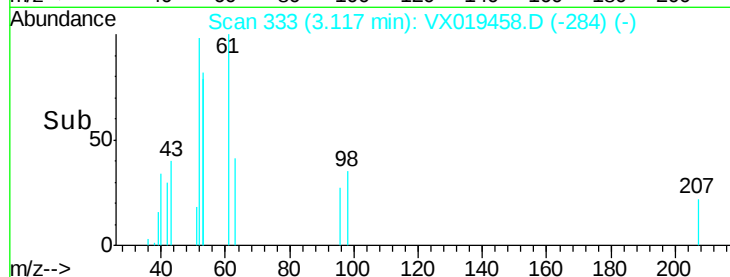
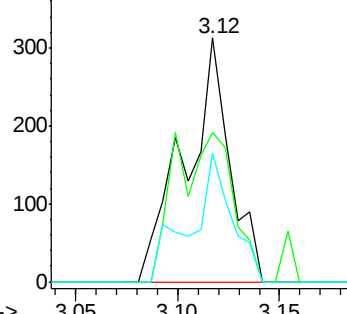
51 49.0 28.5 42.7#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.229 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019458.D

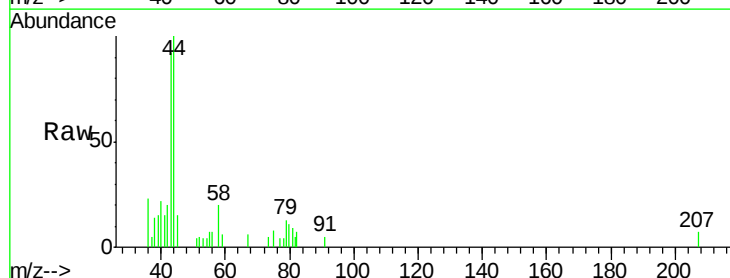
Acq: 18 Nov 2020 18:06

Tgt Ion: 43 Resp: 2030

Ion Ratio Lower Upper

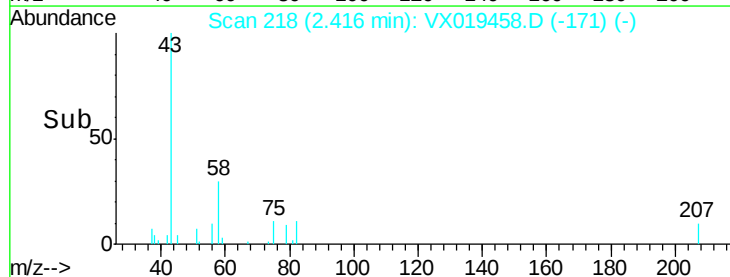
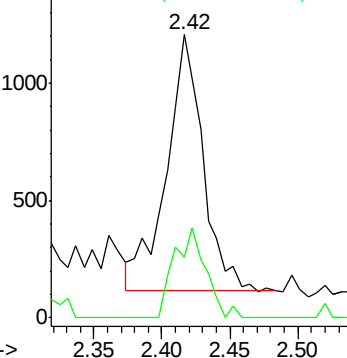
43 100

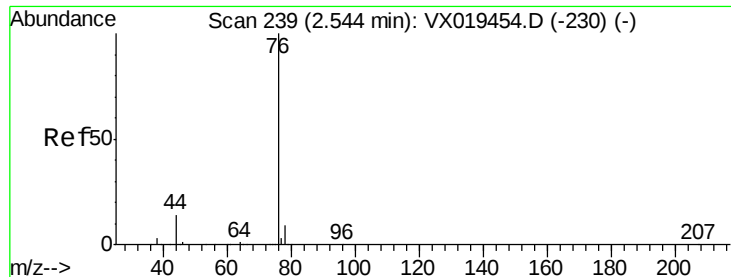
58 23.7 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.382 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

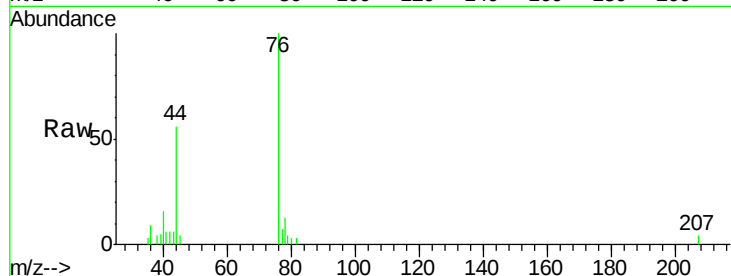
VX1119WBL01

Tot Ion: 76 Resp: 3046

Ion Ratio Lower Upper

76 100

78 13.5 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

2000

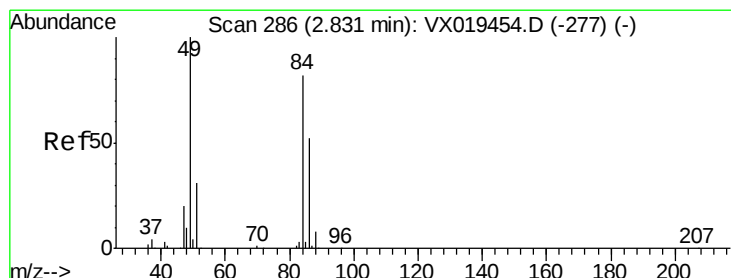
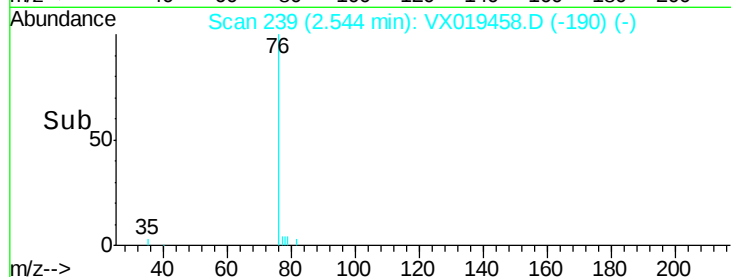
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.82 min Scan# 285

Delta R.T. -0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Tgt Ion: 84 Resp: 901

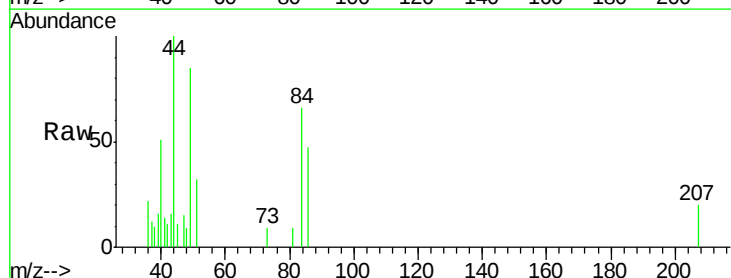
Ion Ratio Lower Upper

84 100

49 129.1 97.6 146.4

51 48.1 30.6 45.8#

86 71.1 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

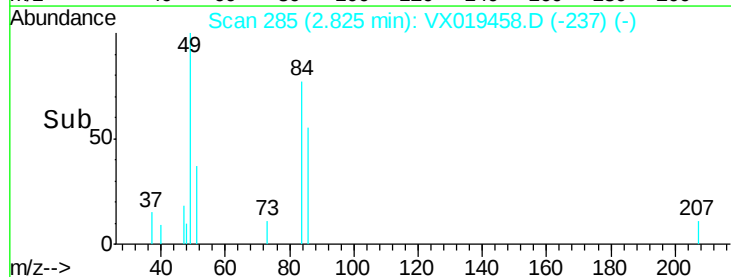
600

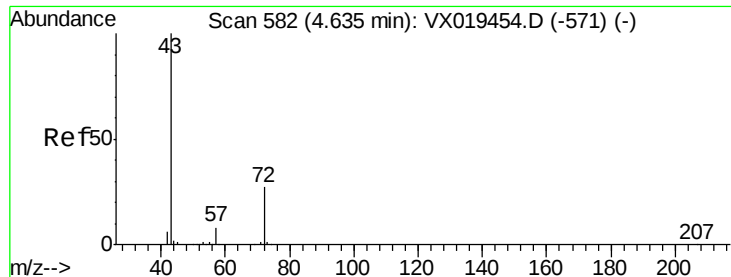
400

200

0

Time-->





#25

2-Butanone

Concen: 0.327 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

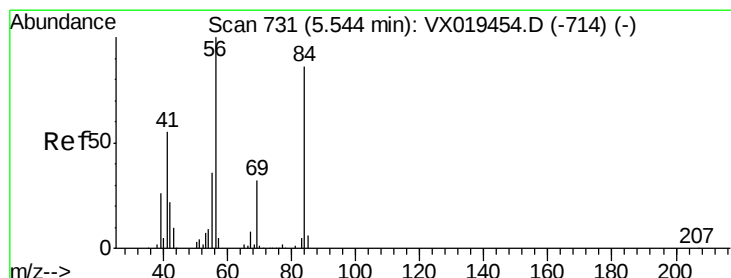
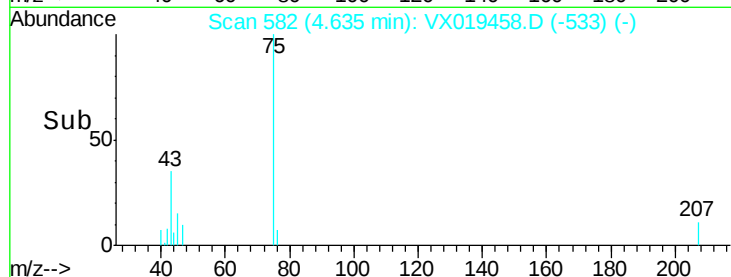
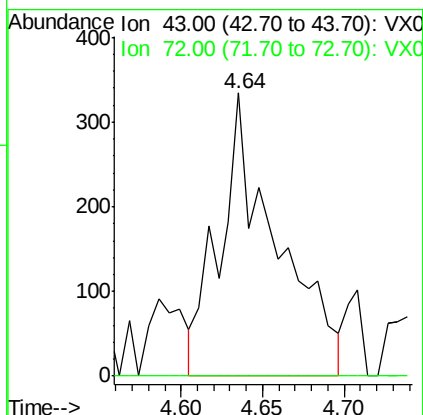
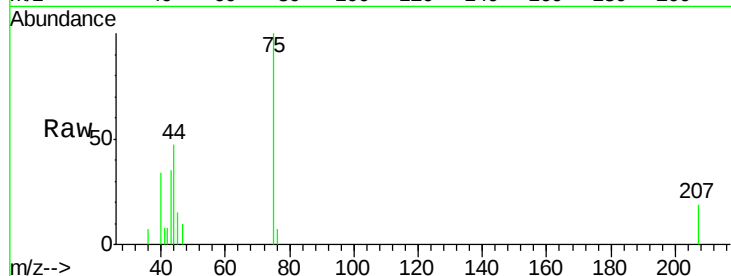
VX1119WBL01

Tot Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

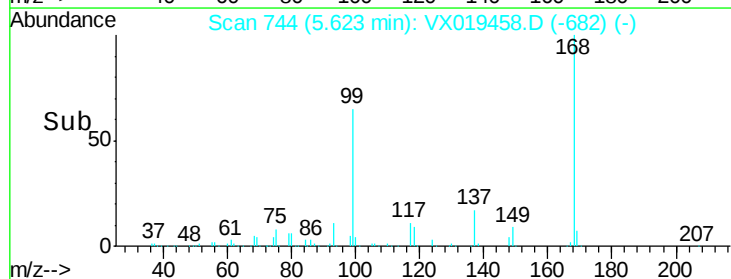
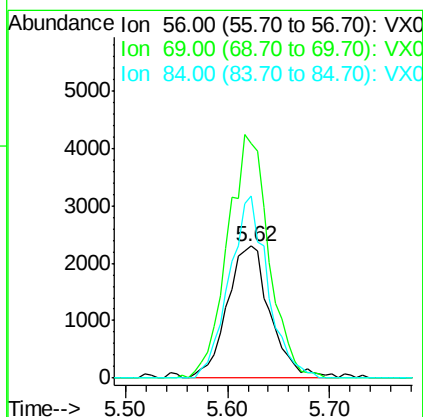
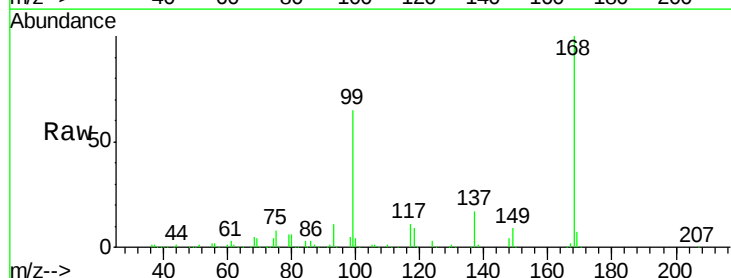
Tgt Ion: 56 Resp: 6735

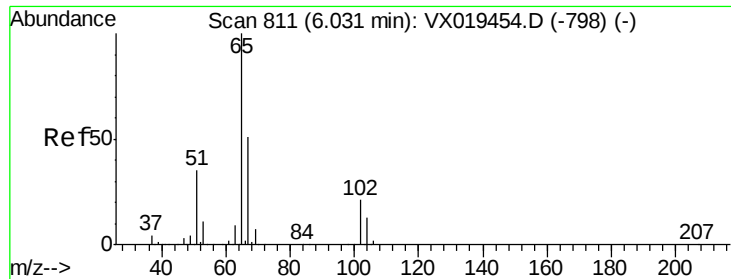
Ion Ratio Lower Upper

56 100

69 177.9 25.2 37.8#

84 137.7 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 45.118 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

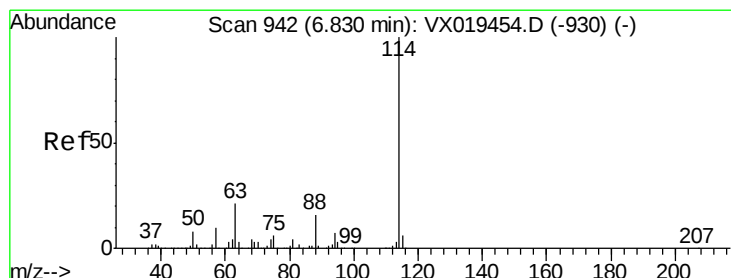
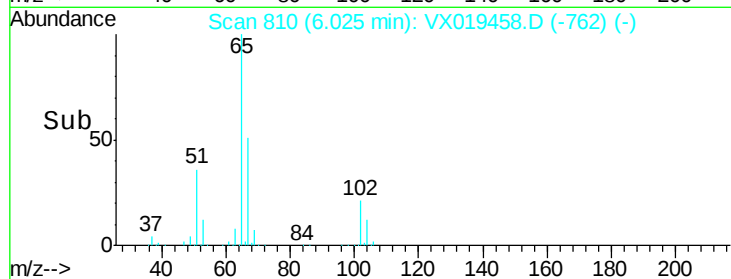
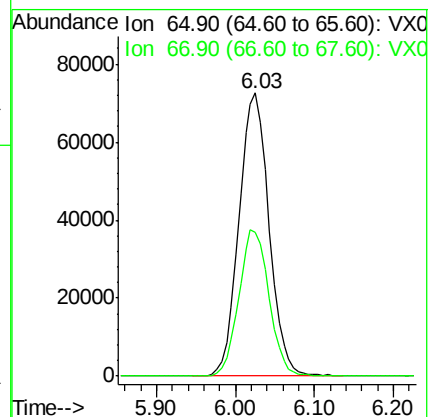
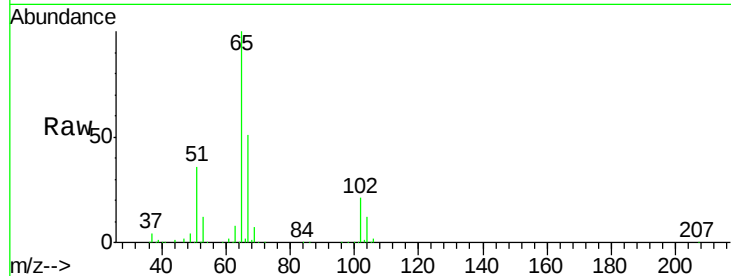
VX1119WBL01

Tot Ion: 65 Resp: 192624

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

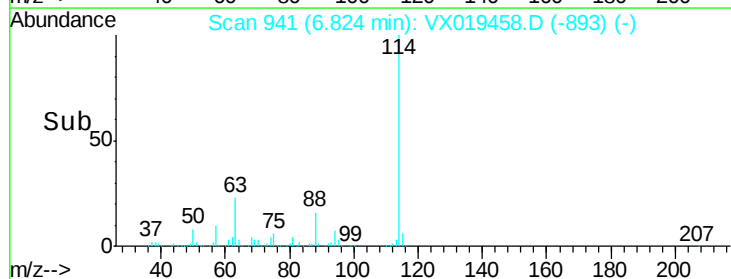
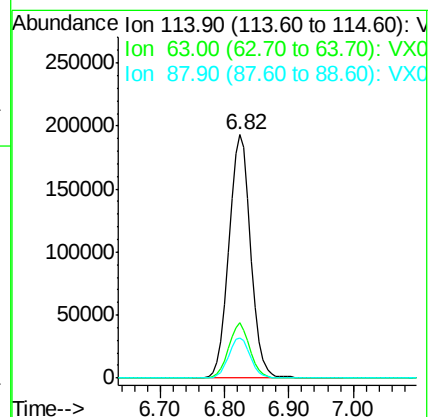
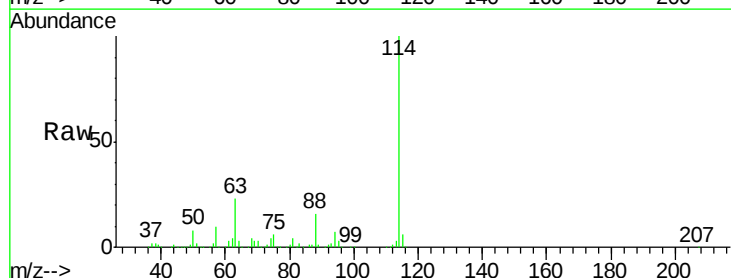
Tgt Ion: 114 Resp: 459871

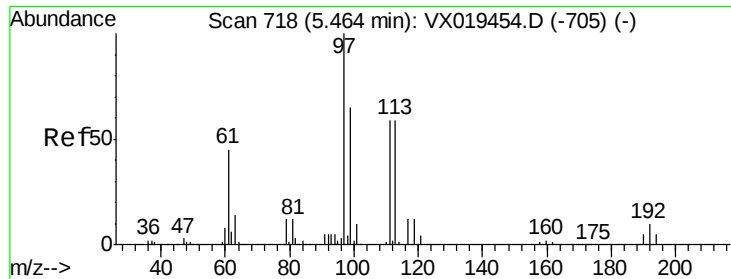
Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.0

88 16.5 0.0 32.0

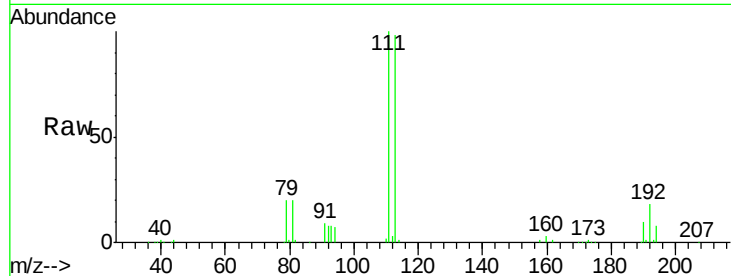




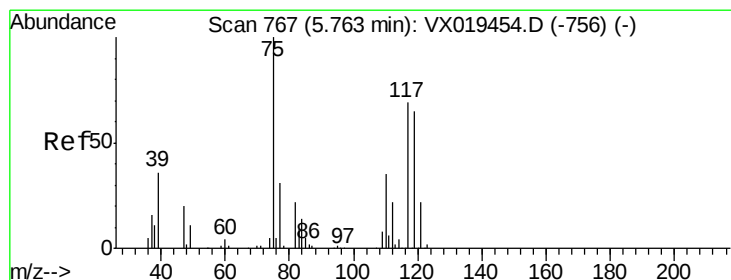
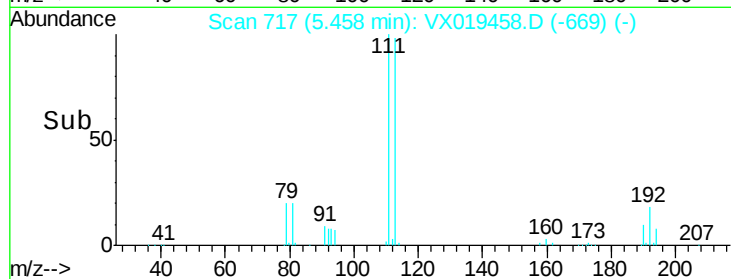
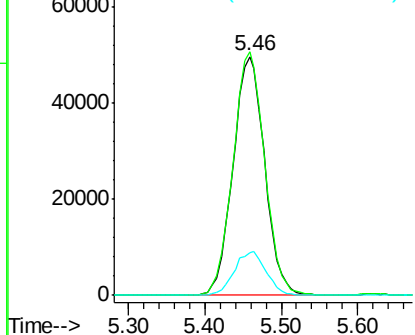
#35
Dibromofluoromethane
Concen: 47.013 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

Instrument :
MSVOA_X
ClientSampleId :
VX1119WBL01

Tot Ion:113 Resp: 142259
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 18.5 14.2 21.4

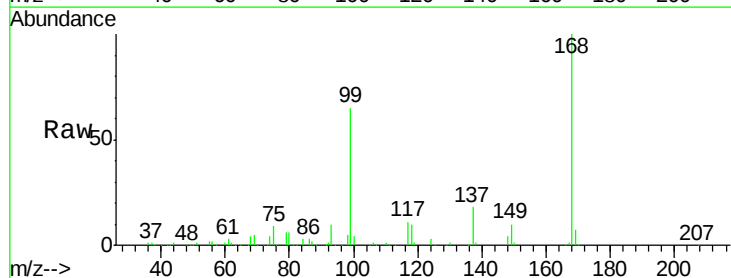


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

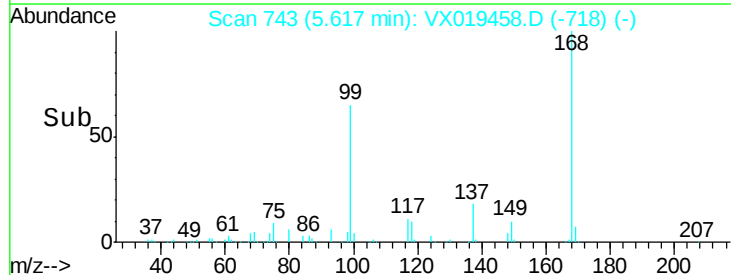
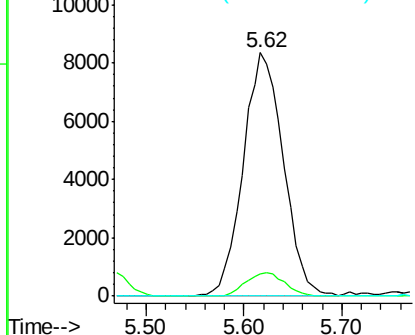


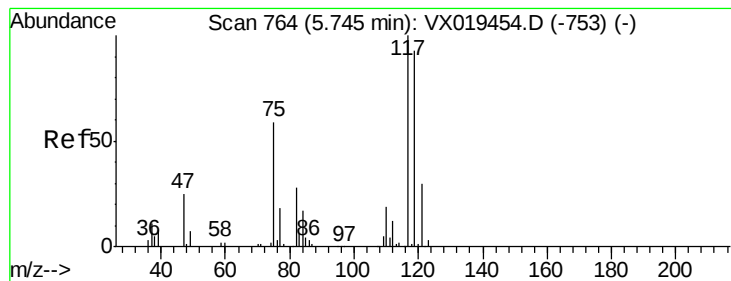
#36
1,1-Dichloropropene
Concen: 5.161 ug/l
RT: 5.62 min Scan# 743
Delta R.T. -0.15 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

Tgt Ion: 75 Resp: 23792
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



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: 6.588 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.12 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampled :

VX1119WBL01

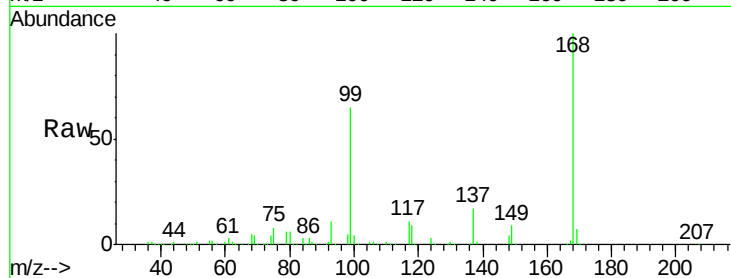
Tot Ion:117 Resp: 29955

Ion Ratio Lower Upper

117 100

119 4.1 74.1 111.1#

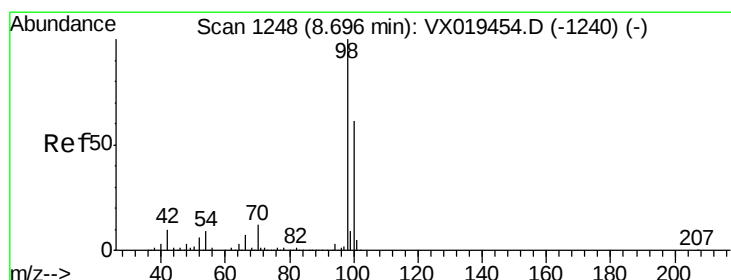
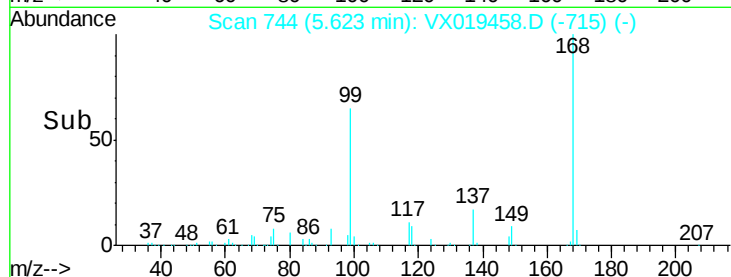
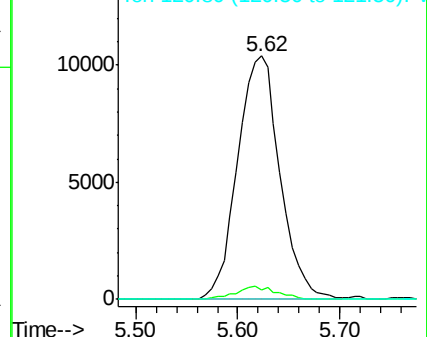
121 0.0 23.6 35.4#



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: 47.835 ug/l

RT: 8.69 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VX019458.D

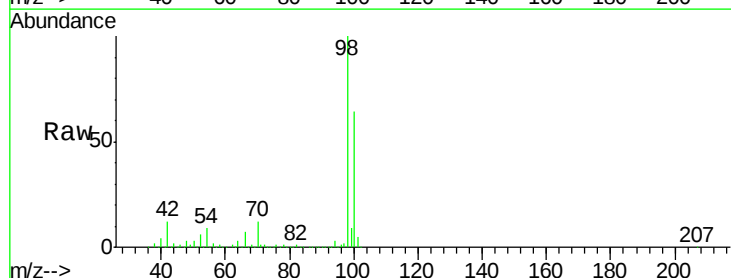
Acq: 18 Nov 2020 18:06

Tgt Ion: 98 Resp: 562485

Ion Ratio Lower Upper

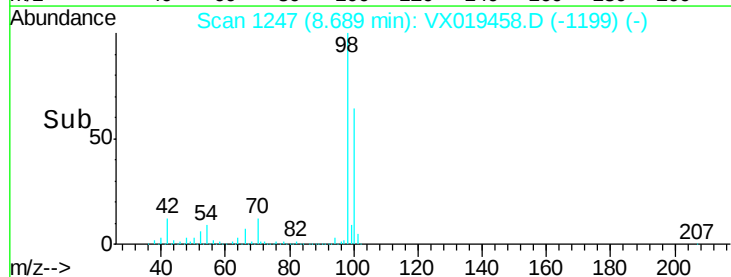
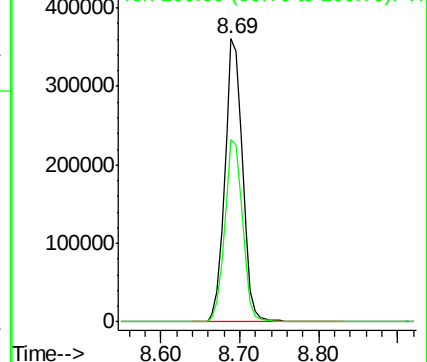
98 100

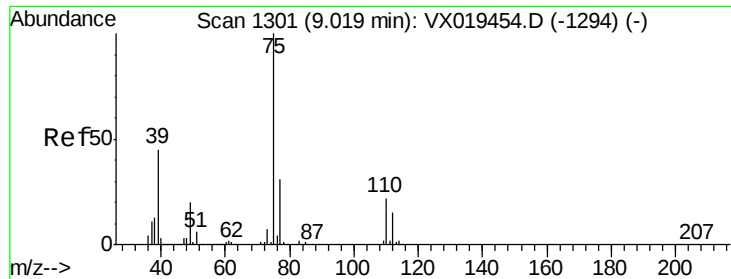
100 65.1 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

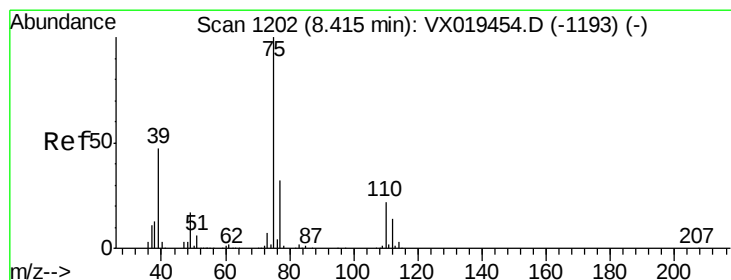
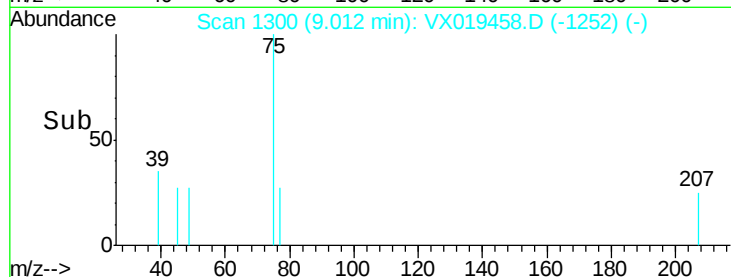
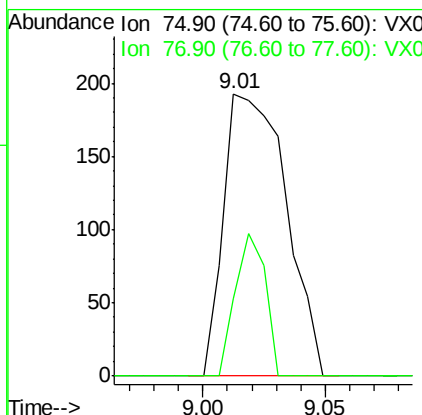
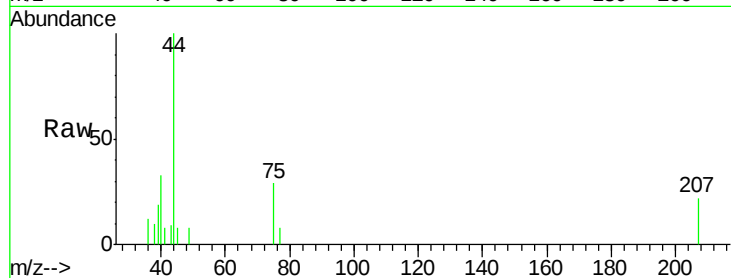




#53
 t-1,3-Dichloropropene
 Concen: 1.885 ug/l
 RT: 9.01 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: VX019458.D
 Acq: 18 Nov 2020 18:06

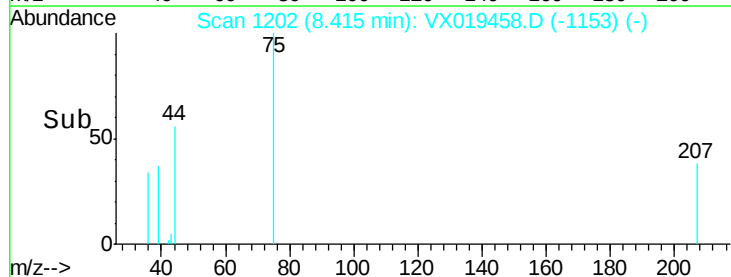
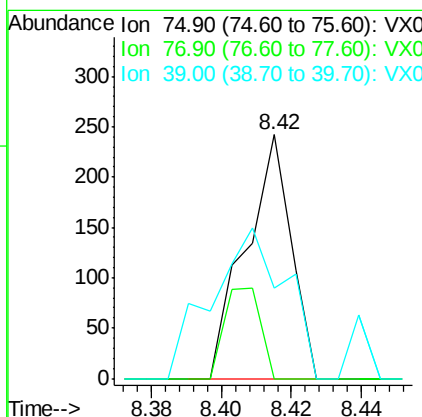
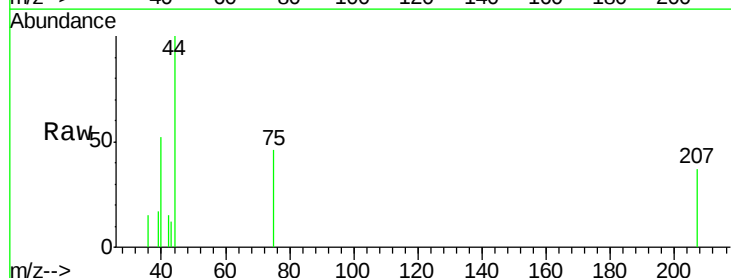
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1119WBL01

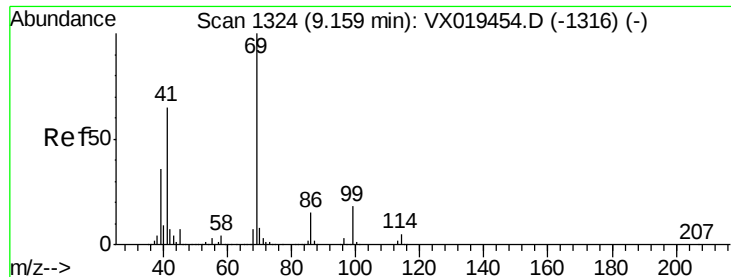
Tot Ion: 75 Resp: 342
 Ion Ratio Lower Upper
 75 100
 77 27.5 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 1.520 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX019458.D
 Acq: 18 Nov 2020 18:06

Tgt Ion: 75 Resp: 218
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 37.2 37.4 56.2#





#56

Ethyl methacrylate

Concen: 1.759 ug/l

RT: 9.15 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampled :

VX1119WBL01

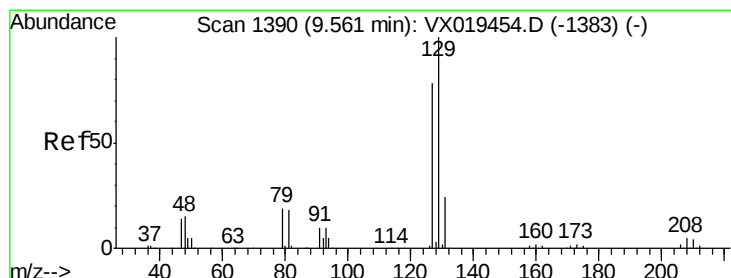
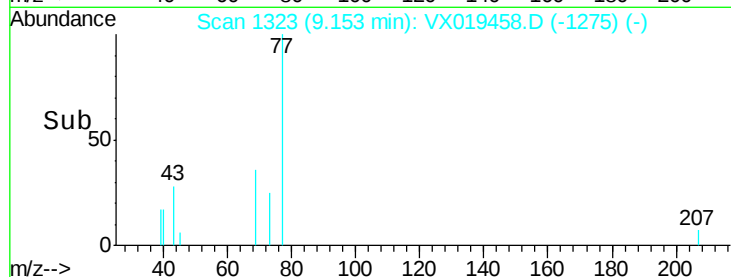
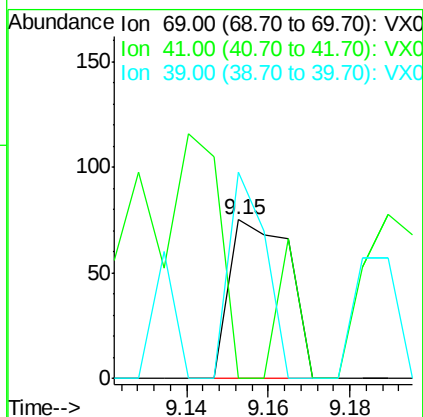
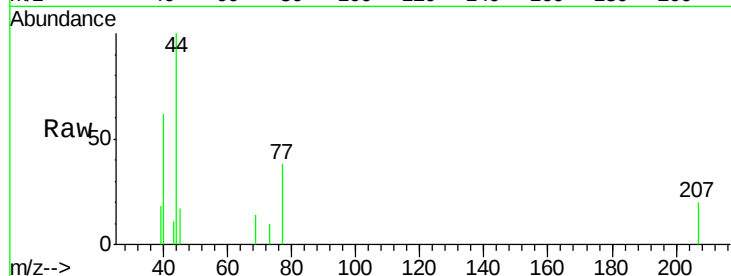
Tot Ion: 69 Resp: 76

Ion Ratio Lower Upper

69 100

41 31.6 52.1 78.1#

39 80.3 29.5 44.3#



#60

Dibromochloromethane

Concen: 1.646 ug/l

RT: 9.56 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VX019458.D

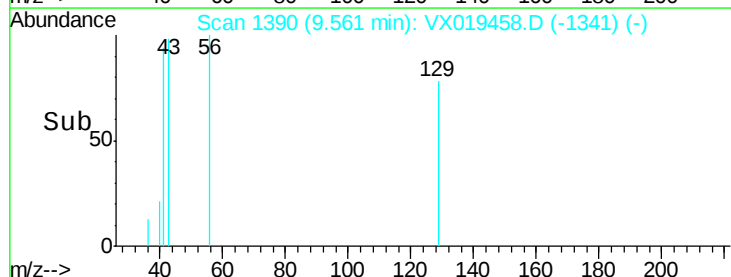
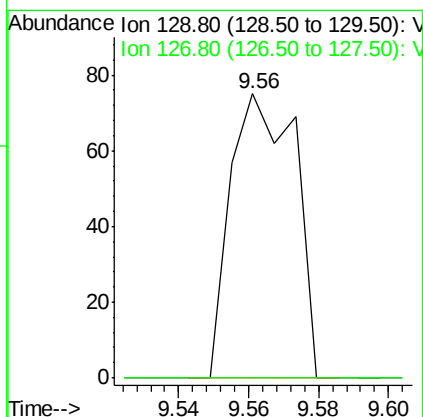
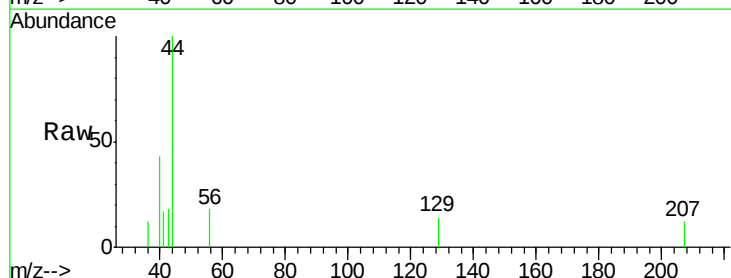
Acq: 18 Nov 2020 18:06

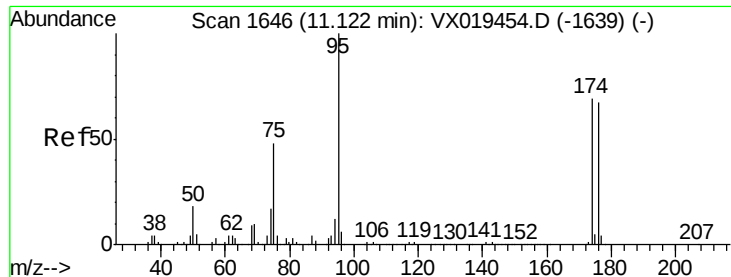
Tgt Ion: 129 Resp: 96

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#

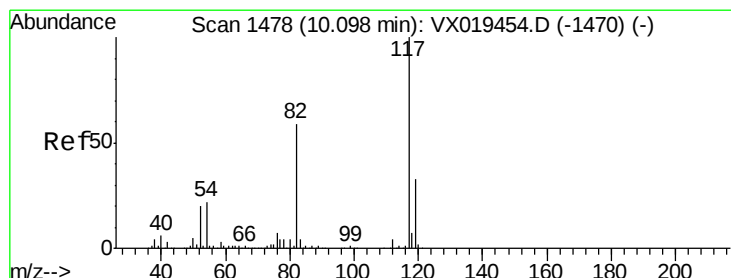
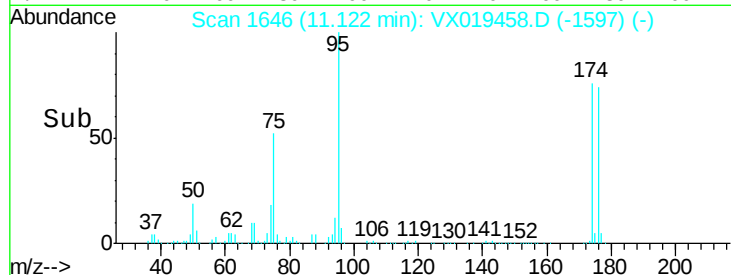
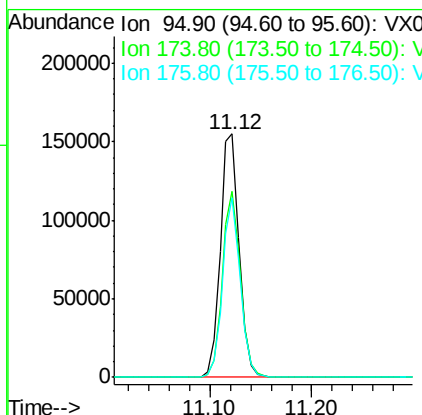
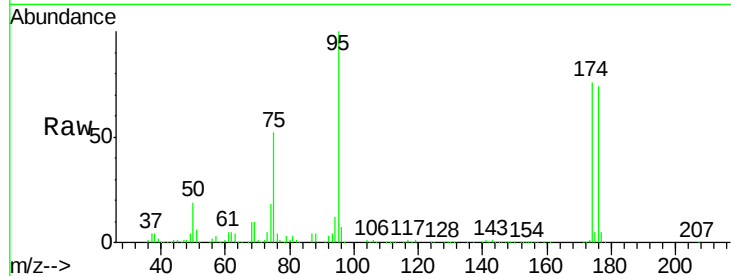




#62
4-Bromofluorobenzene
Concen: 46.372 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

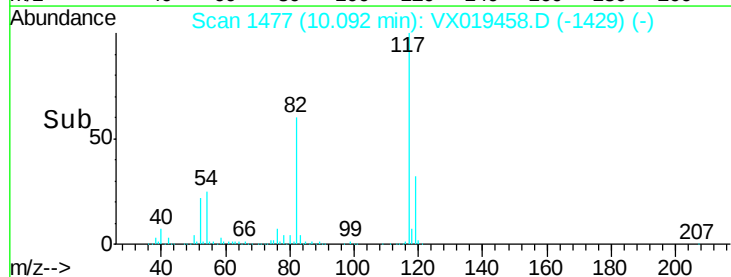
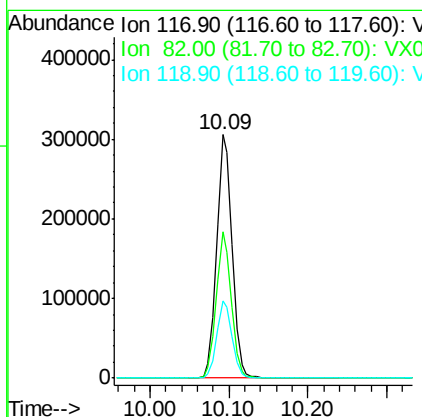
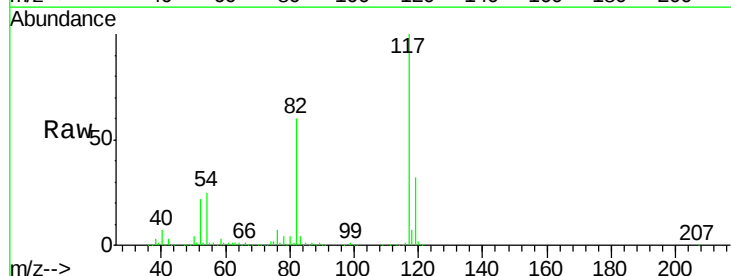
Instrument :
MSVOA_X
ClientSampleId :
VX1119WBL01

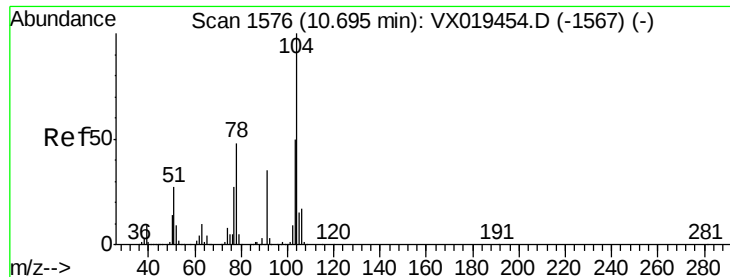
Tot Ion: 95 Resp: 200328
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.4
176 68.7 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.01 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

Tgt Ion: 117 Resp: 417531
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.5 26.3 39.5

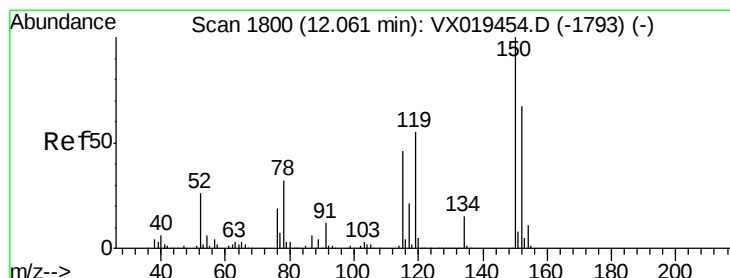
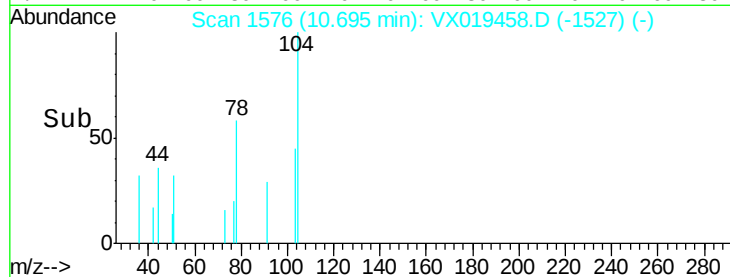
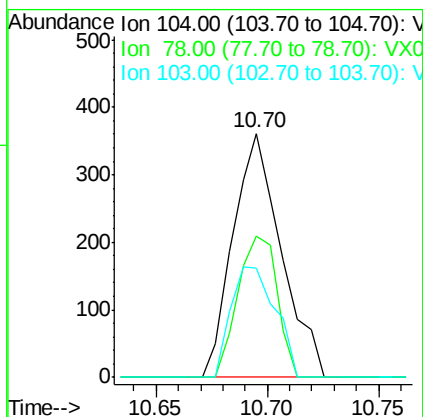
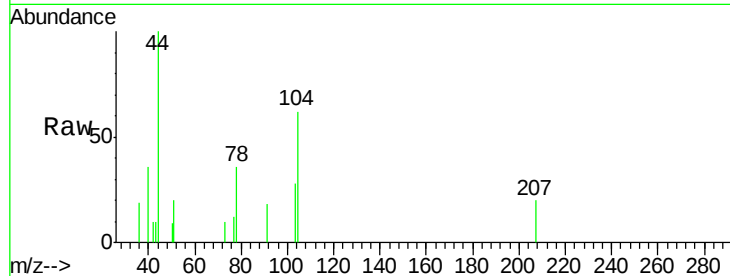




#70
Stvrene
Concen: 2.181 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

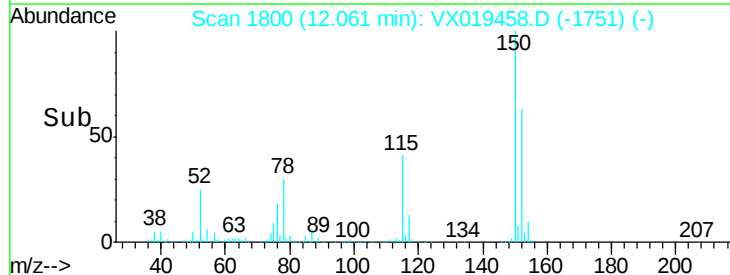
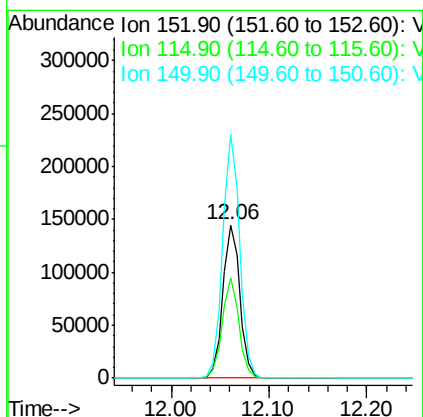
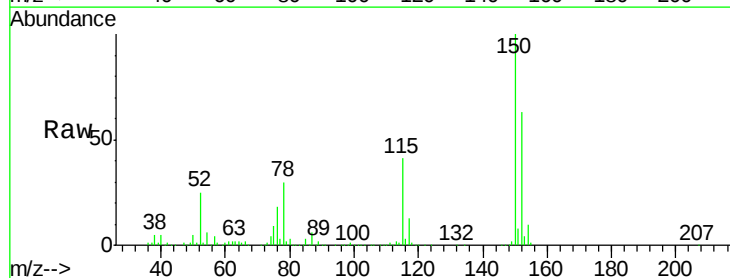
Instrument :
MSVOA_X
ClientSampleId :
VX1119WBL01

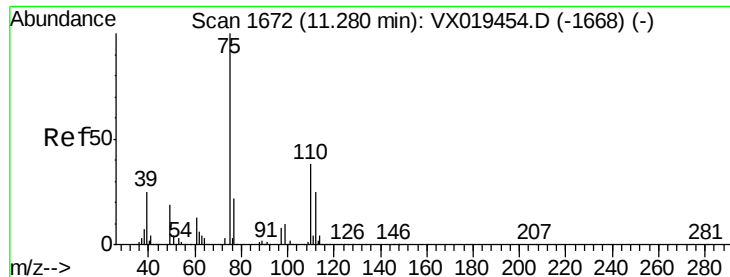
Tot Ion:104 Resp: 543
Ion Ratio Lower Upper
104 100
78 47.3 42.7 64.1
103 41.6 43.2 64.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

Tgt Ion:152 Resp: 174127
Ion Ratio Lower Upper
152 100
115 63.9 44.9 134.7
150 159.2 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 25.522 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

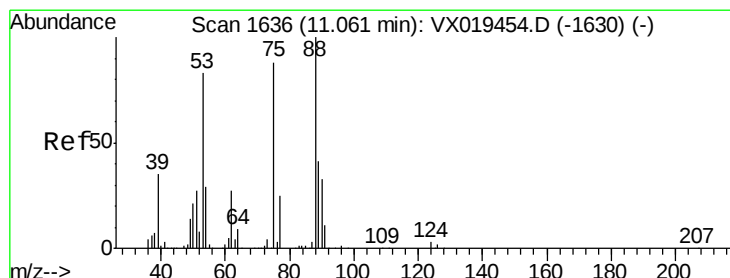
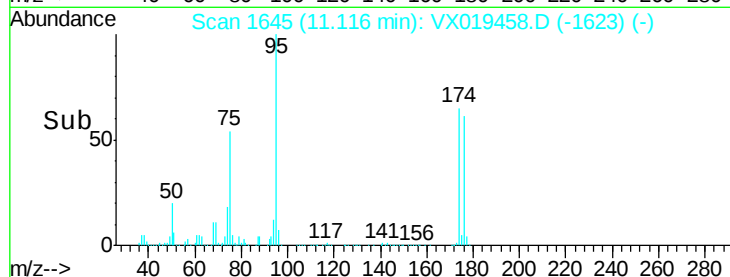
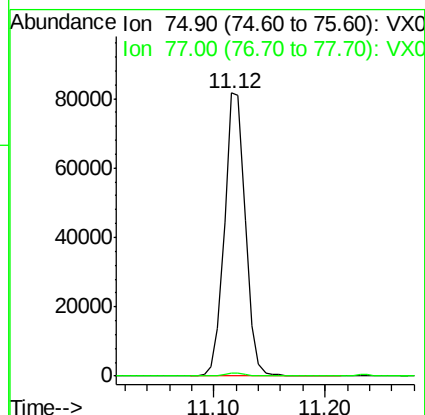
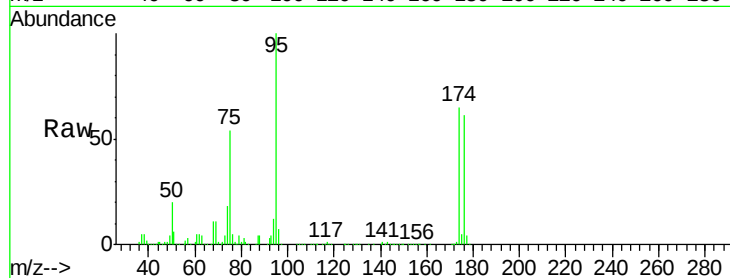
VX1119WBL01

Tot Ion: 75 Resp: 105952

Ion Ratio Lower Upper

75 100

77 1.2 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.471 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.05 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

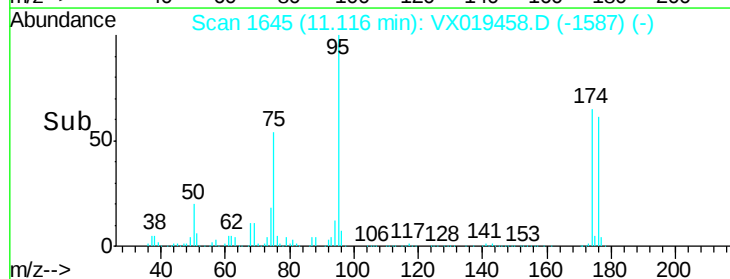
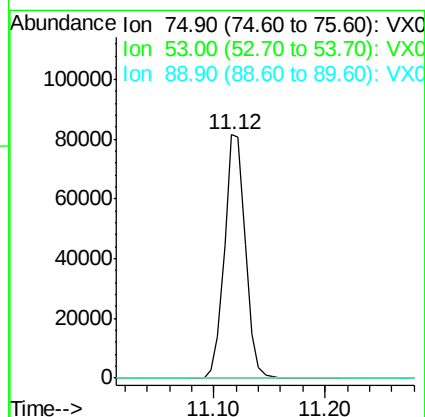
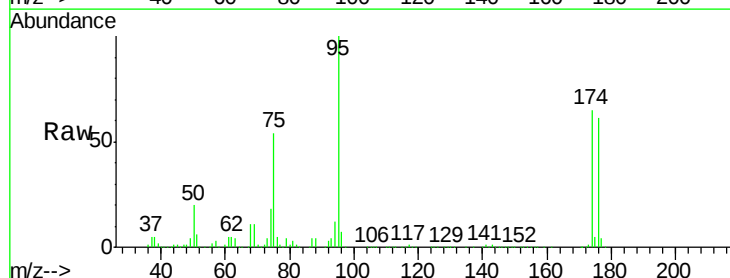
Tgt Ion: 75 Resp: 105952

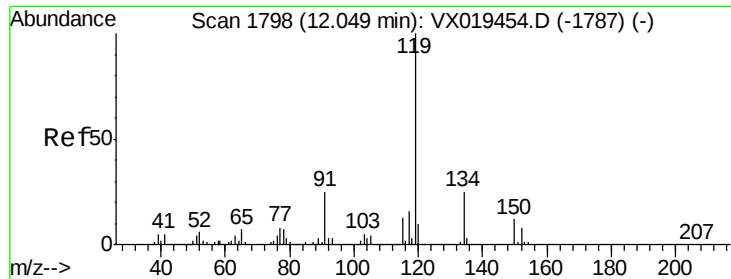
Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 37.0 55.4#

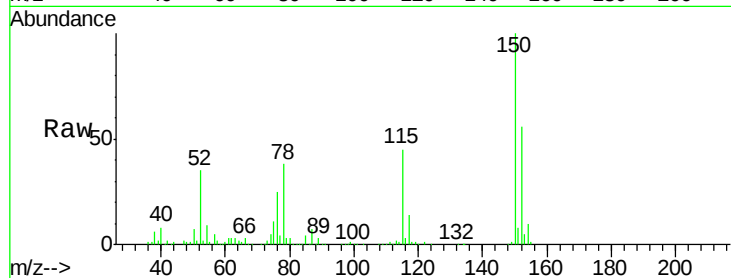




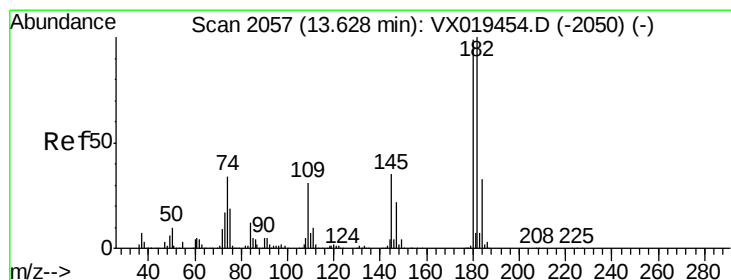
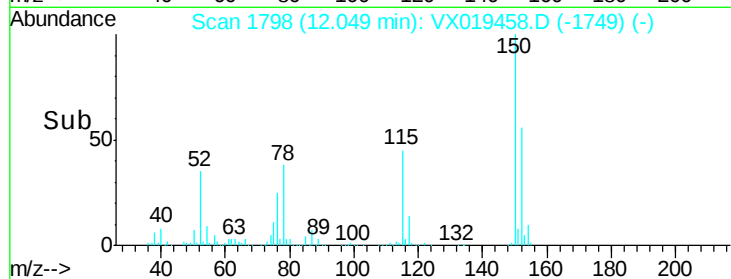
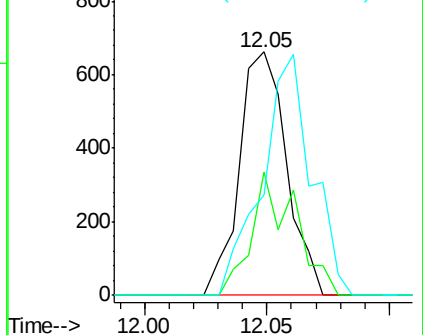
#86
p-Isopropyltoluene
Concen: 1.677 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

Instrument :
MSVOA_X
ClientSampled :
VX1119WBL01

Tot Ion:119 Resp: 887
Ion Ratio Lower Upper
119 100
134 47.1 12.8 38.3#
91 103.9 12.6 37.6#

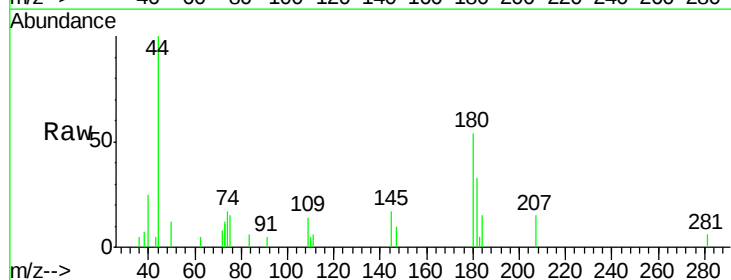


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

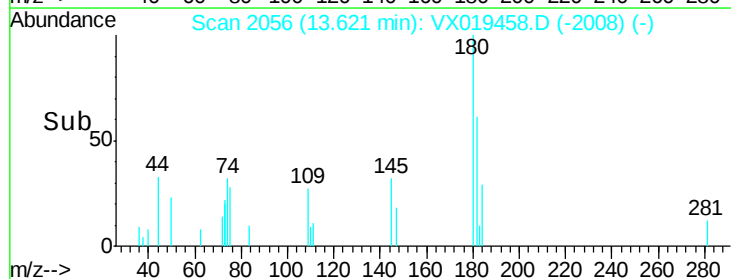
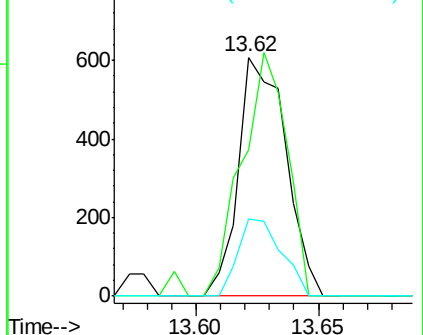


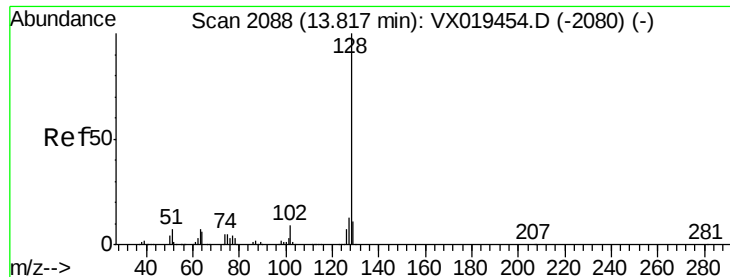
#93
1,2,4-Trichlorobenzene
Concen: 2.956 ug/l
RT: 13.62 min Scan# 2056
Delta R.T. -0.01 min
Lab File: VX019458.D
Acq: 18 Nov 2020 18:06

Tgt Ion:180 Resp: 816
Ion Ratio Lower Upper
180 100
182 97.7 48.1 144.4
145 29.5 16.9 50.6



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





#95

Naphthalene

Concen: 2.476 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

Instrument :

MSVOA_X

ClientSampleId :

VX1119WBL01

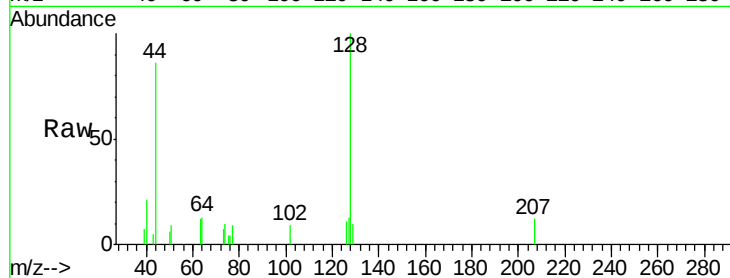
Tot Ion:128 Resp: 2239

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.2

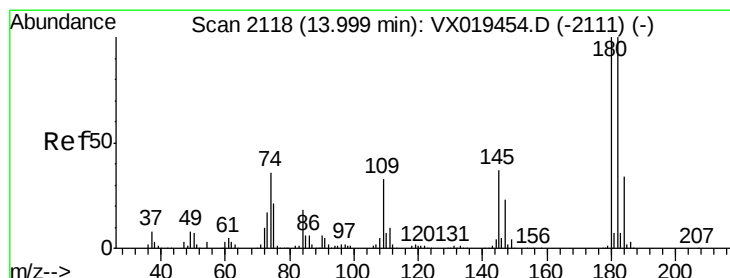
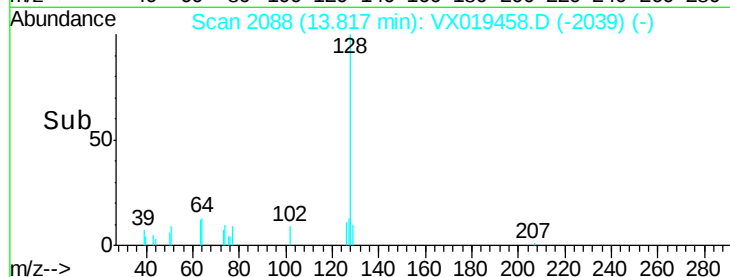
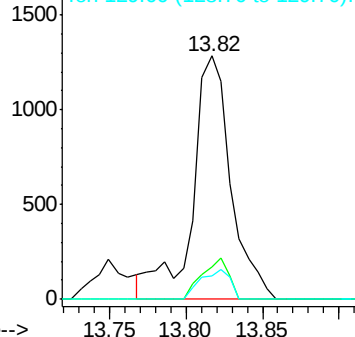
129 9.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.635 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX019458.D

Acq: 18 Nov 2020 18:06

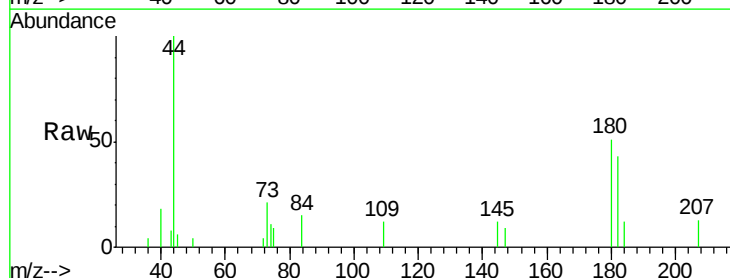
Tgt Ion:180 Resp: 780

Ion Ratio Lower Upper

180 100

182 94.1 49.0 147.0

145 30.5 17.6 52.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

