

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102020\
 Data File : VX018985.D
 Acq On : 20 Oct 2020 19:59
 Operator : JC/SP
 Sample : VX1020WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBL01

Quant Time: Oct 21 03:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102020W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 20 19:16:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	171170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	319481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	308602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	151289	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	117992	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	5.46	113	97950	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	8.70	98	409209	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.12	95	151360	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	

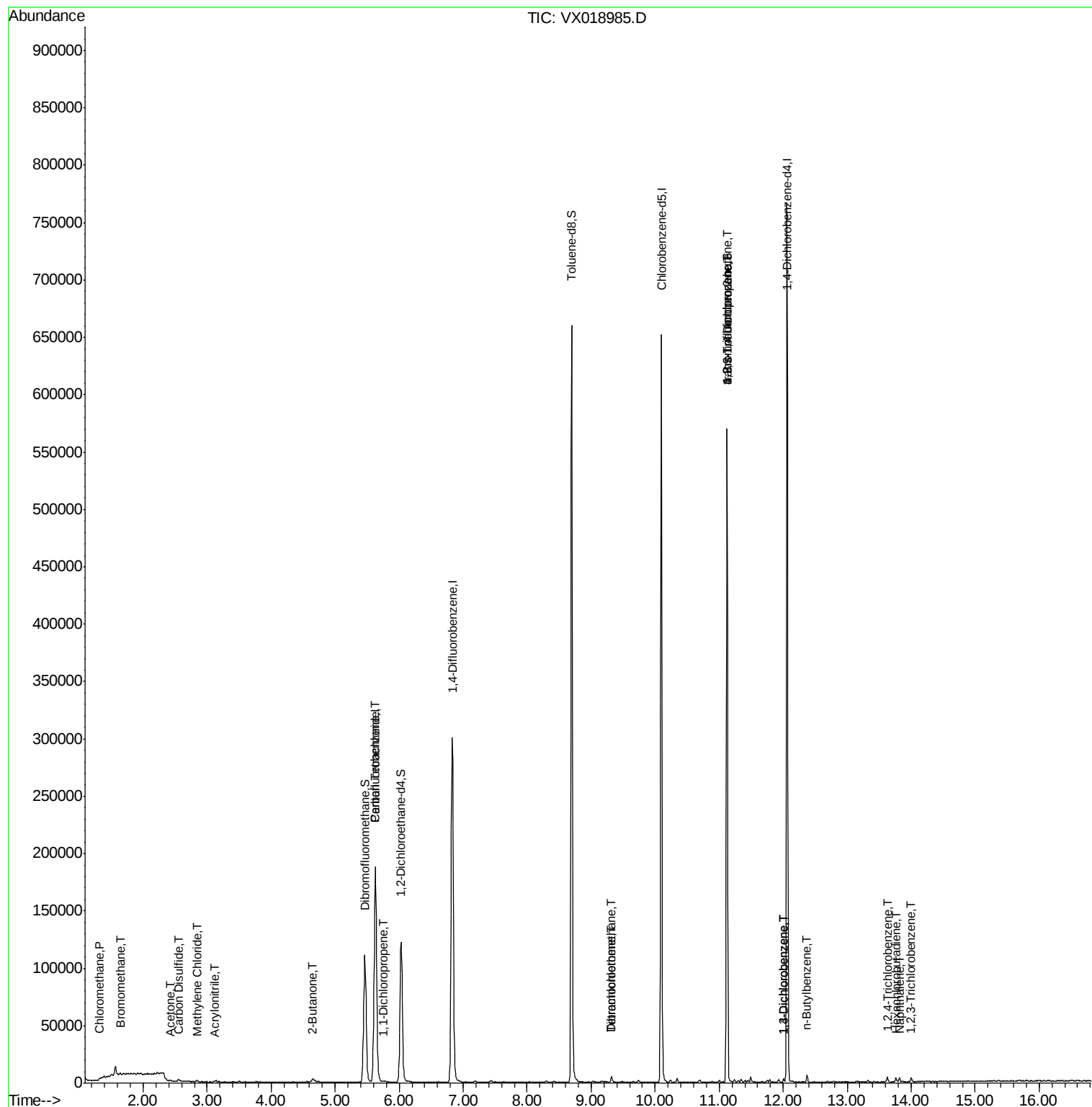
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	366	0.222	ug/l #	81
5) Bromomethane	1.64	94	624	0.352	ug/l #	73
9) 1,1,2-Trichlorotrifluoroet	2.36	101	255	Below Cal	#	86
12) 1,1-Dichloroethene	2.34	96	254	Below Cal	#	70
13) Acrolein	2.28	56	228	Below Cal	#	15
15) Acrylonitrile	3.11	53	370	0.413	ug/l #	79
16) Acetone	2.42	43	702	0.896	ug/l	94
17) Carbon Disulfide	2.55	76	2275	0.470	ug/l	99
20) Methylene Chloride	2.84	84	410	0.203	ug/l #	84
25) 2-Butanone	4.64	43	591	0.467	ug/l #	41
36) 1,1-Dichloropropene	5.76	75	623	0.209	ug/l #	60
38) Carbon Tetrachloride	5.63	117	17922	5.965	ug/l #	16
60) Dibromochloromethane	9.32	129	864	0.331	ug/l #	11
64) Tetrachloroethene	9.32	164	890	0.409	ug/l #	84
76) 1,2,3-Trichloropropane	11.12	75	75516	24.286	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	75516	64.061	ug/l #	16
87) 1,3-Dichlorobenzene	12.01	146	1040	0.211	ug/l	97
88) 1,4-Dichlorobenzene	12.01	146	1040	0.204	ug/l	96
89) n-Butylbenzene	12.37	91	2352	0.262	ug/l	96
93) 1,2,4-Trichlorobenzene	13.63	180	1112	0.331	ug/l	90
94) Hexachlorobutadiene	13.76	225	512	0.375	ug/l	96
95) Naphthalene	13.82	128	2592	0.231	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	941	0.297	ug/l	97

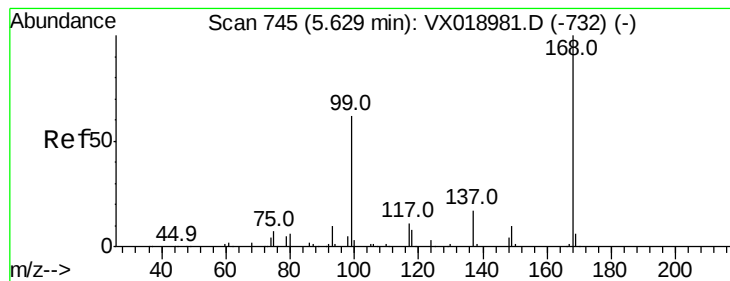
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX1020WBL01

Quant Time: Oct 21 03:26:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102020W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 20 19:16:32 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: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

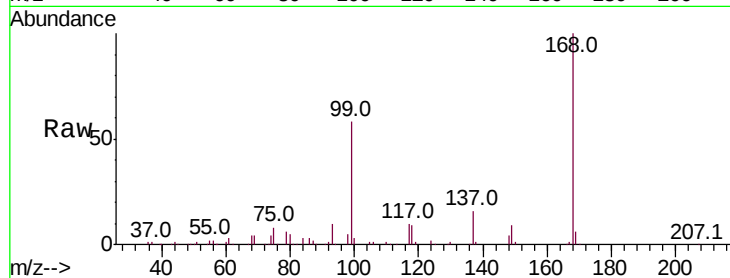
VX1020WBL01

Tot Ion:168 Resp: 171170

Ion Ratio Lower Upper

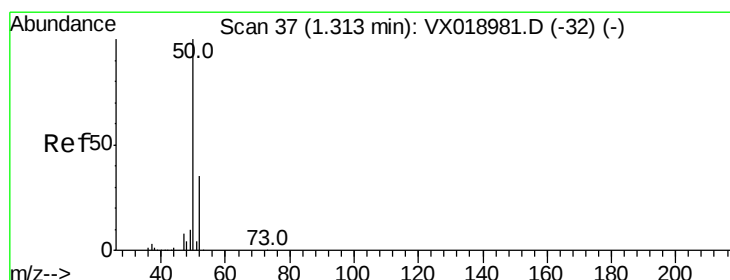
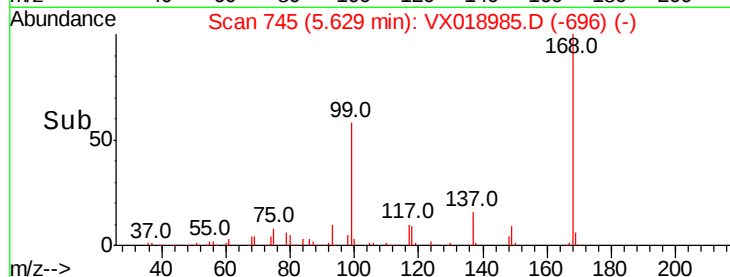
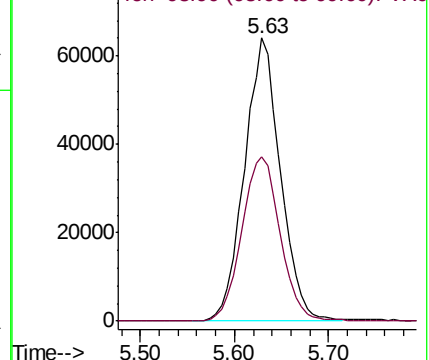
168 100

99 58.1 49.7 74.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018985.D

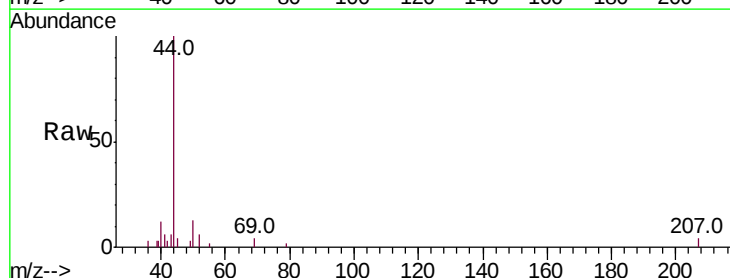
Acq: 20 Oct 2020 19:59

Tgt Ion: 50 Resp: 366

Ion Ratio Lower Upper

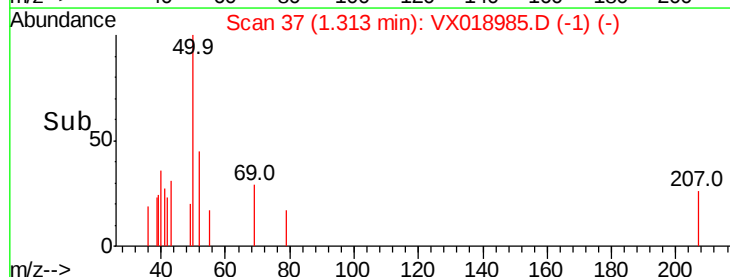
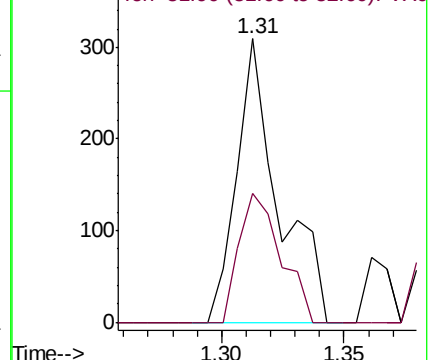
50 100

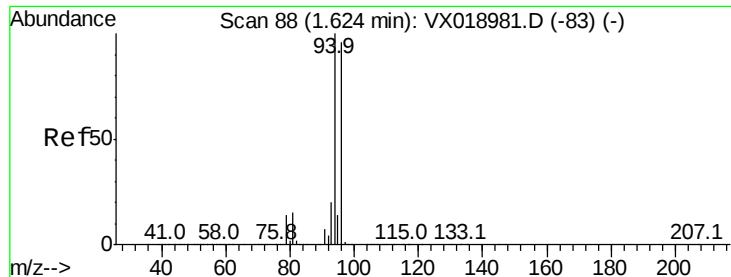
52 45.3 27.7 41.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.352 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

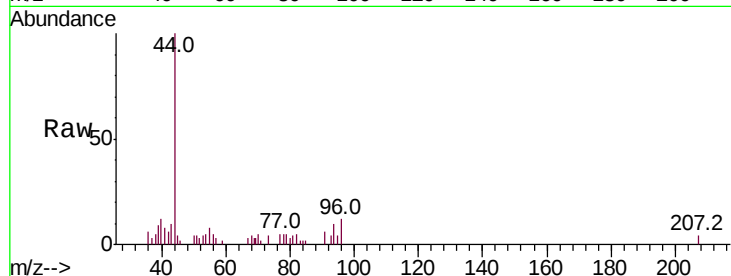
VX1020WBL01

Tot Ion: 94 Resp: 624

Ion Ratio Lower Upper

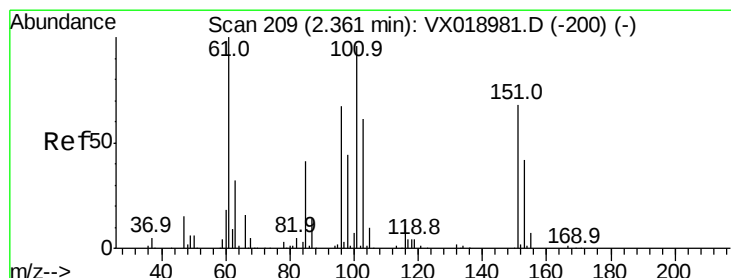
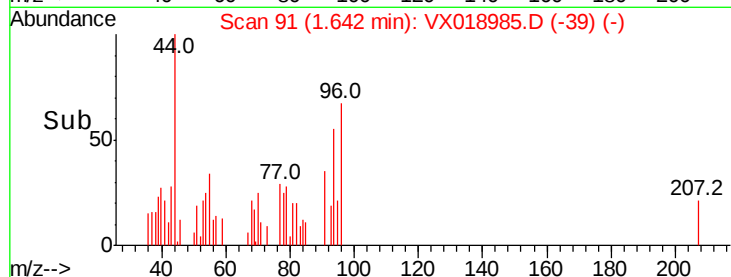
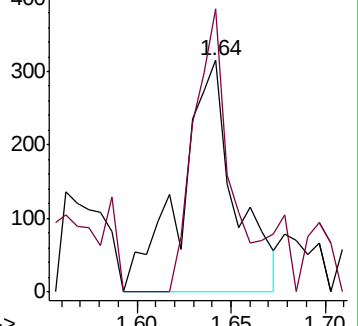
94 100

96 122.2 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

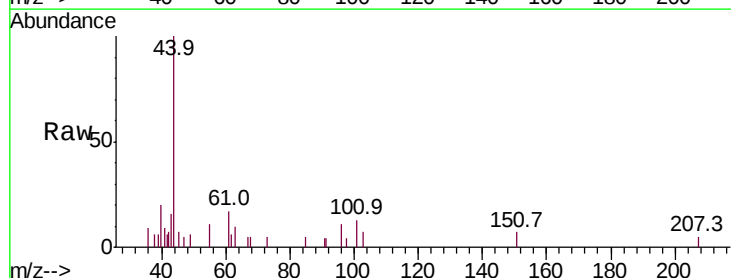
Tgt Ion:101 Resp: 255

Ion Ratio Lower Upper

101 100

85 29.8 34.9 52.3#

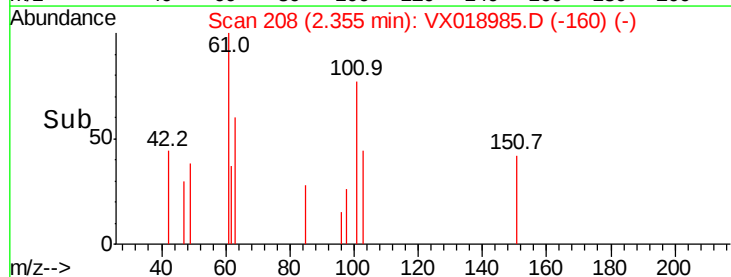
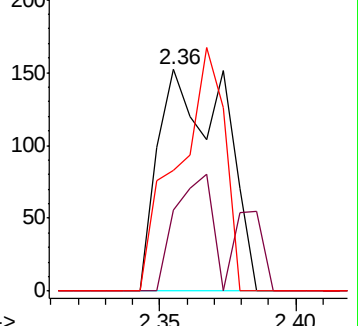
151 78.0 56.1 84.1

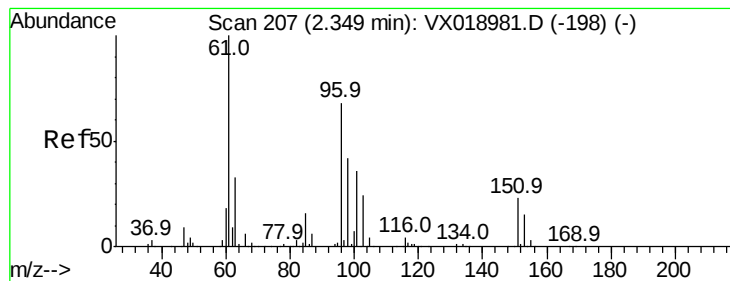


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampled :

VX1020WBL01

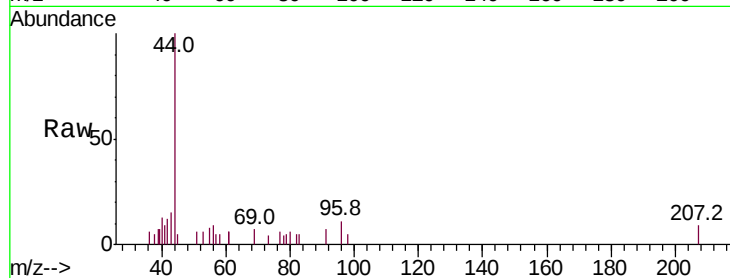
Tot Ion: 96 Resp: 254

Ion Ratio Lower Upper

96 100

61 105.9 117.4 176.0#

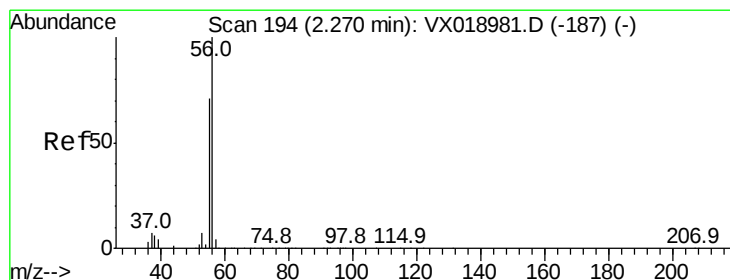
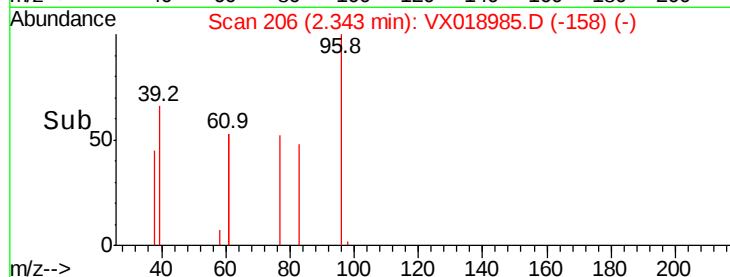
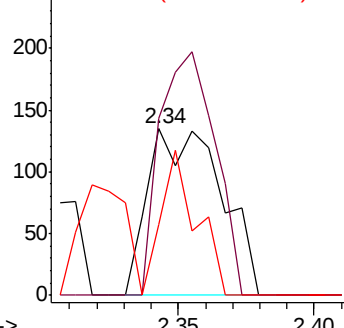
98 42.2 48.9 73.3#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX018985.D

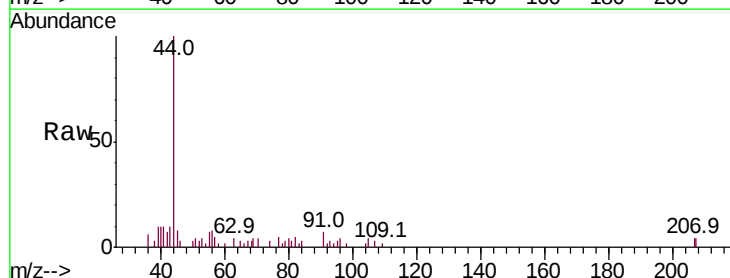
Acq: 20 Oct 2020 19:59

Tgt Ion: 56 Resp: 228

Ion Ratio Lower Upper

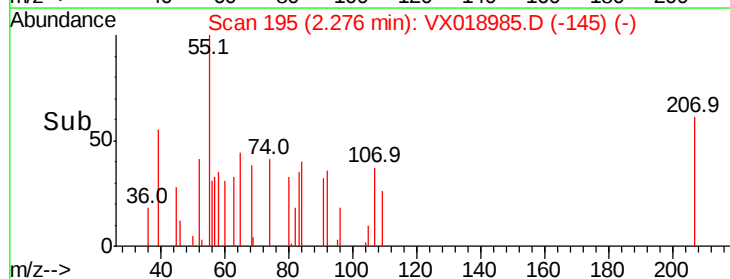
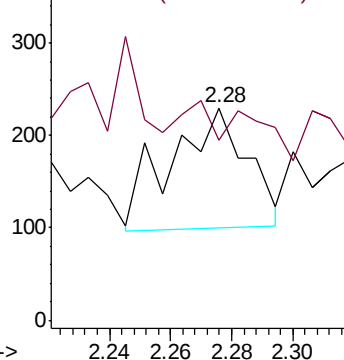
56 100

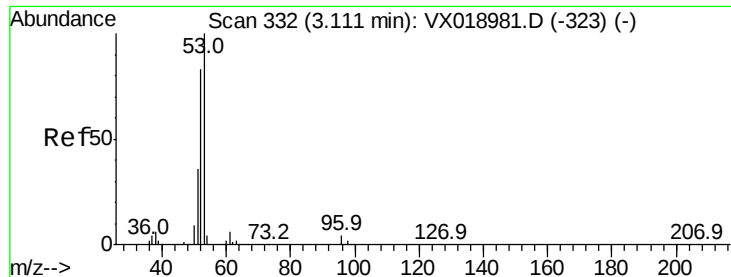
55 0.0 55.4 83.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

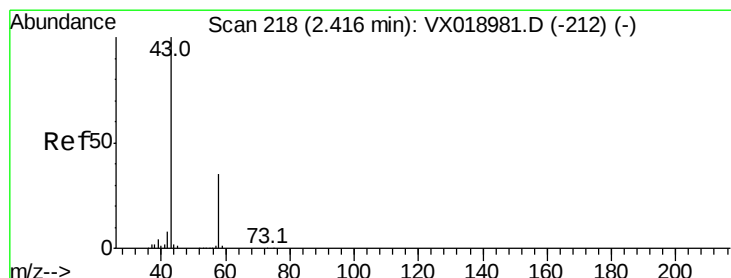
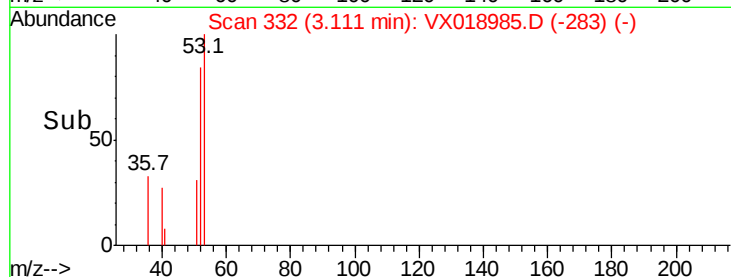
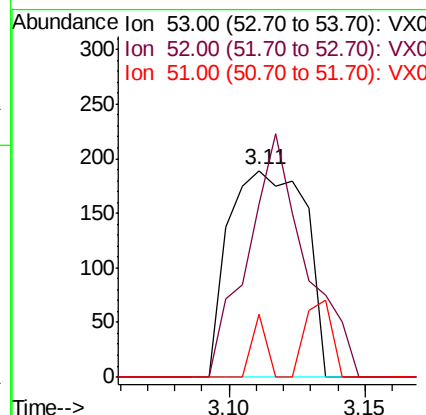
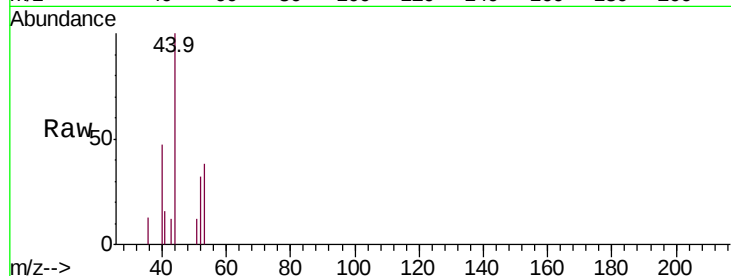




#15
 Acrylonitrile
 Concen: 0.413 ug/l
 RT: 3.11 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VX018985.D
 Acq: 20 Oct 2020 19:59

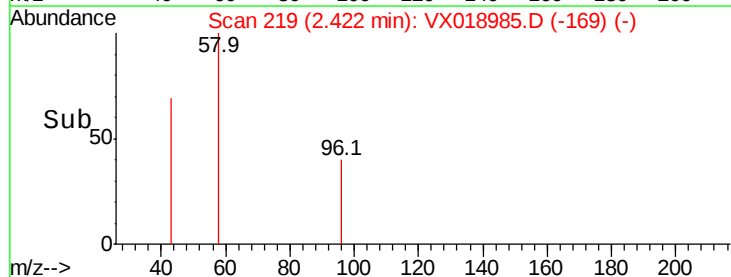
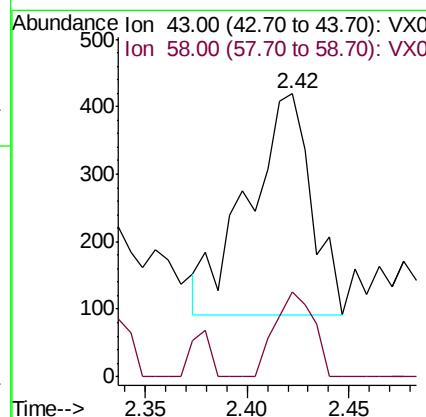
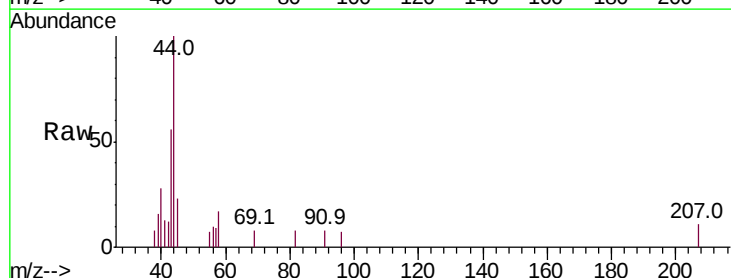
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBL01

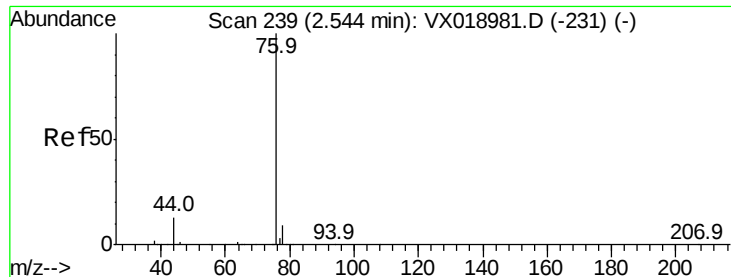
Tot Ion: 53 Resp: 370
 Ion Ratio Lower Upper
 53 100
 52 89.2 65.5 98.3
 51 5.7 28.8 43.2#



#16
 Acetone
 Concen: 0.896 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VX018985.D
 Acq: 20 Oct 2020 19:59

Tgt Ion: 43 Resp: 702
 Ion Ratio Lower Upper
 43 100
 58 38.5 27.9 41.9

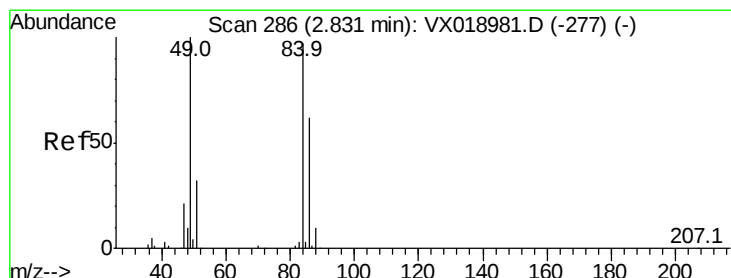
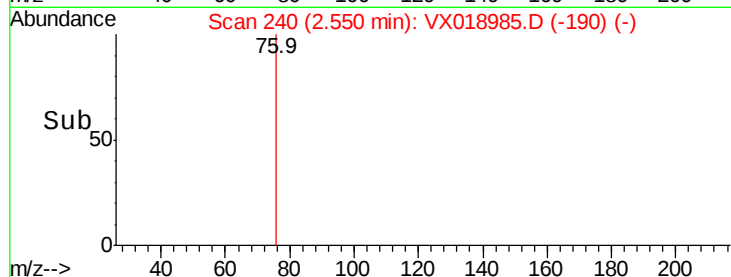
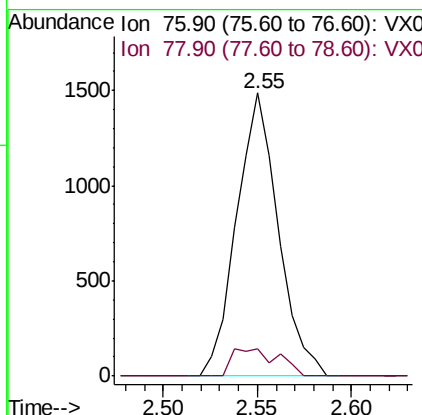
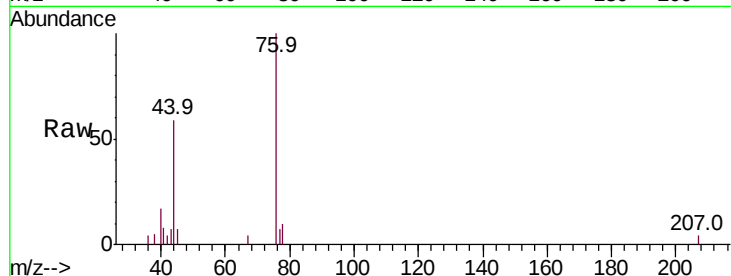




#17
Carbon Disulfide
Concen: 0.470 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VX018985.D
Acq: 20 Oct 2020 19:59

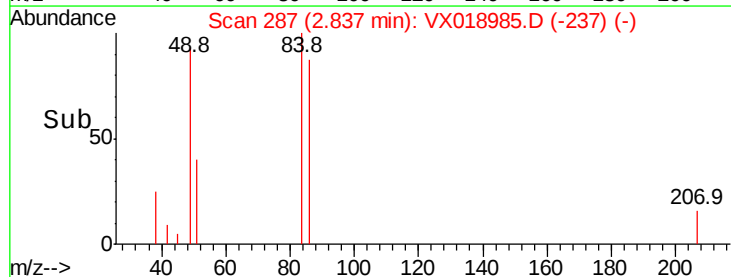
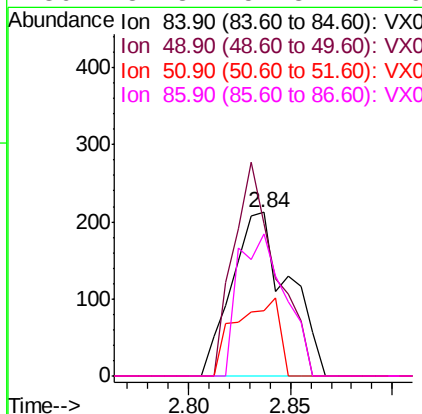
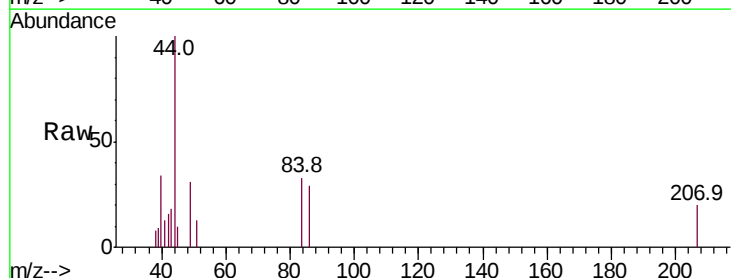
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

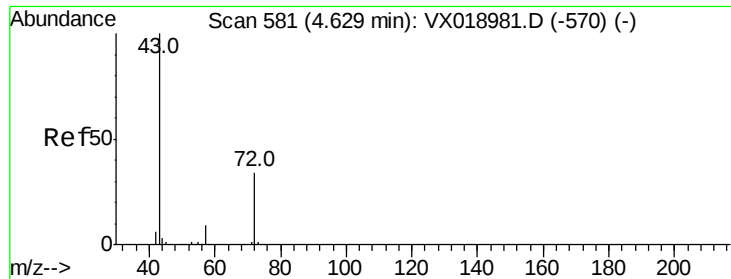
Tot Ion: 76 Resp: 2275
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4



#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018985.D
Acq: 20 Oct 2020 19:59

Tgt Ion: 84 Resp: 410
Ion Ratio Lower Upper
84 100
49 93.4 82.9 124.3
51 40.1 26.4 39.6#
86 87.3 51.8 77.6#





#25

2-Butanone

Concen: 0.467 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

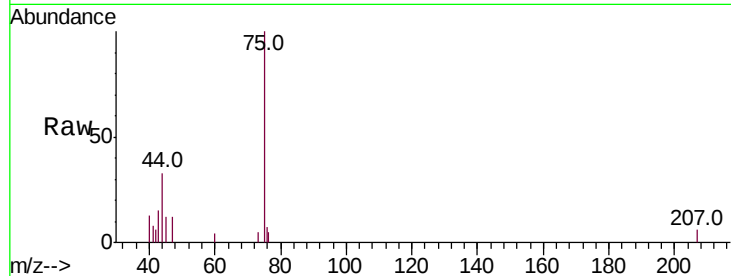
VX1020WBL01

Tot Ion: 43 Resp: 591

Ion Ratio Lower Upper

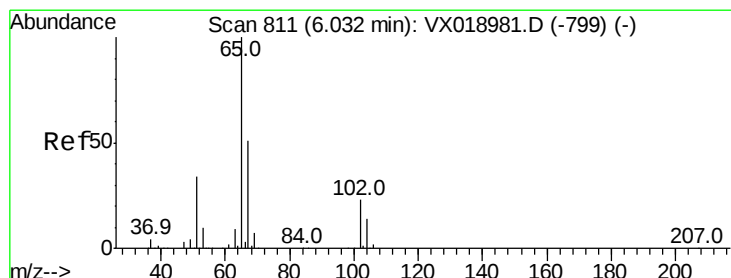
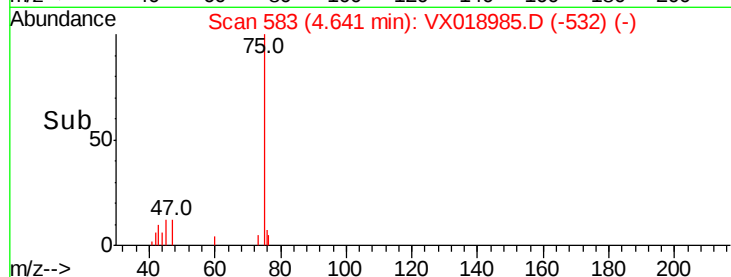
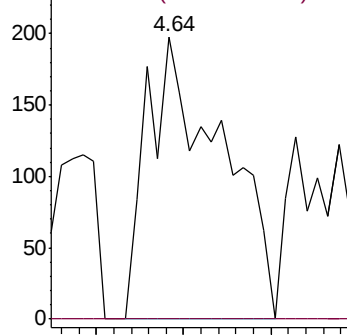
43 100

72 0.0 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.441 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018985.D

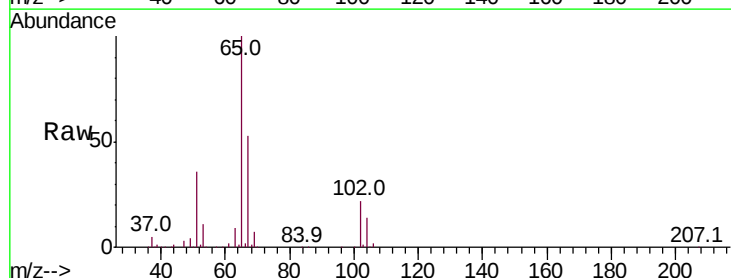
Acq: 20 Oct 2020 19:59

Tgt Ion: 65 Resp: 117992

Ion Ratio Lower Upper

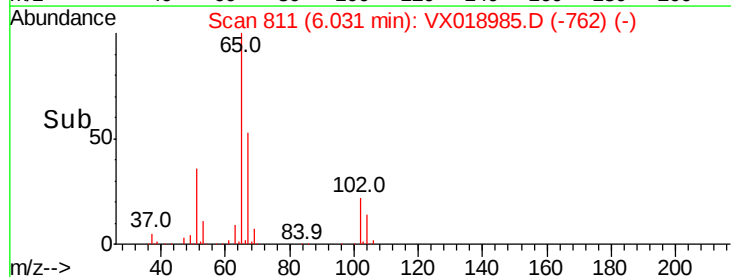
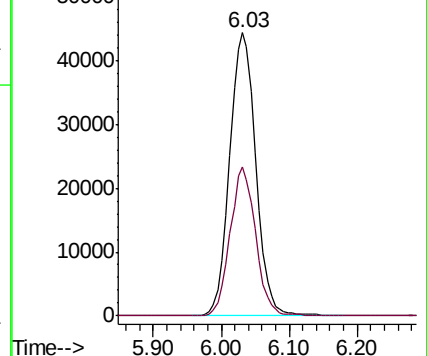
65 100

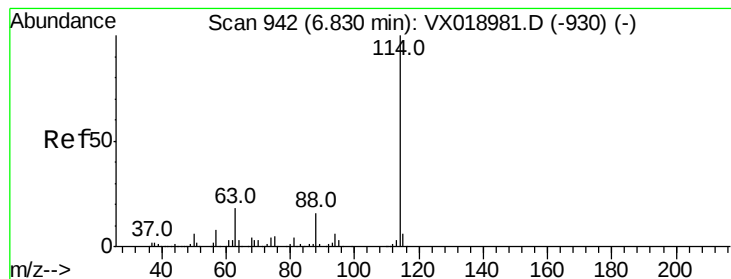
67 51.3 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

VX1020WBL01

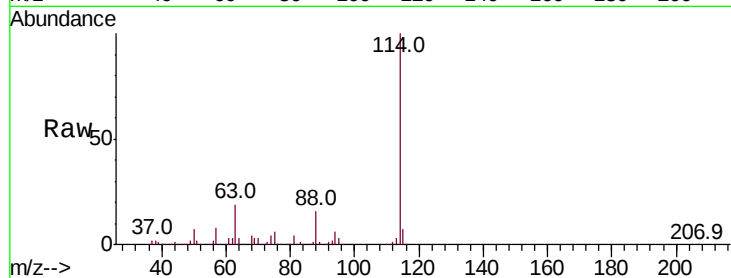
Tot Ion:114 Resp: 319481

Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

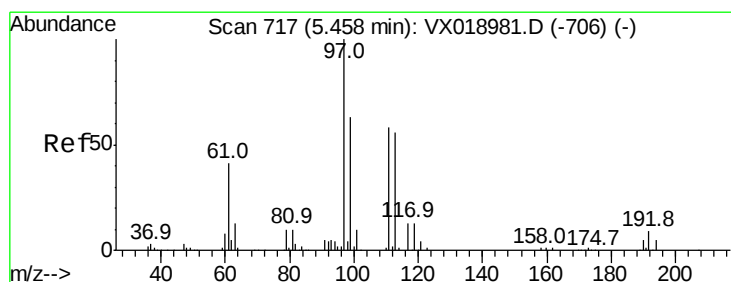
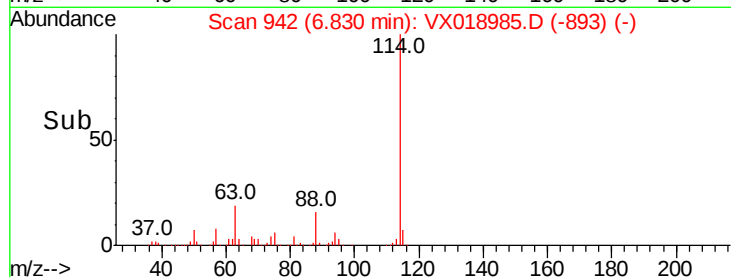
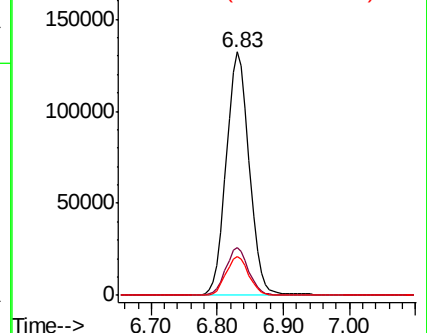
88 16.2 0.0 31.8



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: 48.510 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

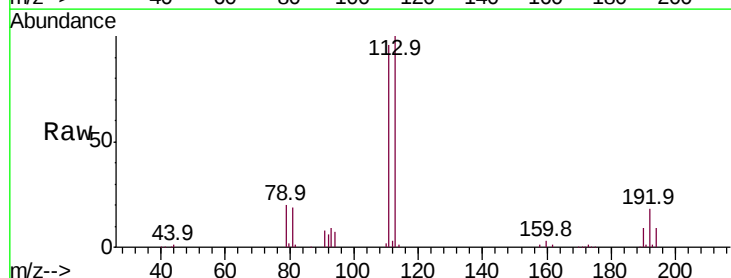
Tgt Ion:113 Resp: 97950

Ion Ratio Lower Upper

113 100

111 101.4 84.1 126.1

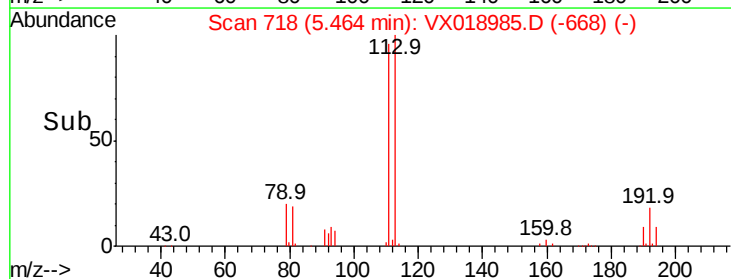
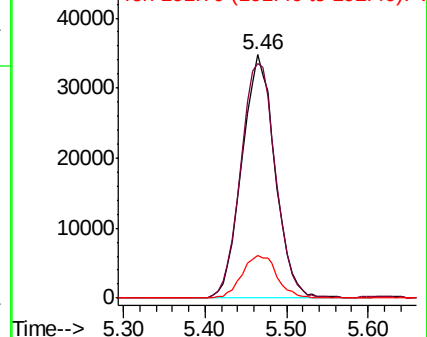
192 18.3 14.7 22.1

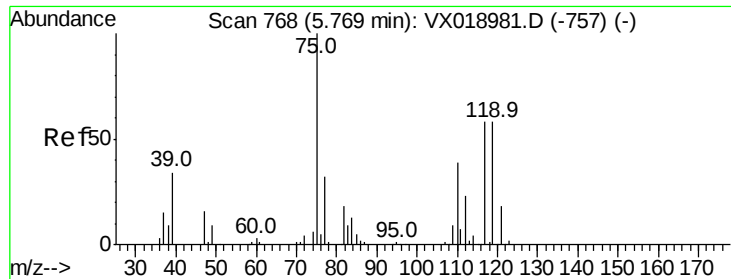


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

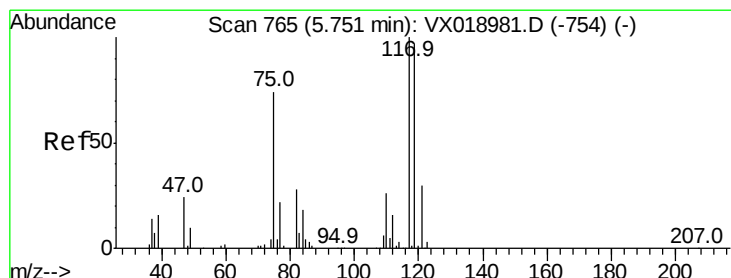
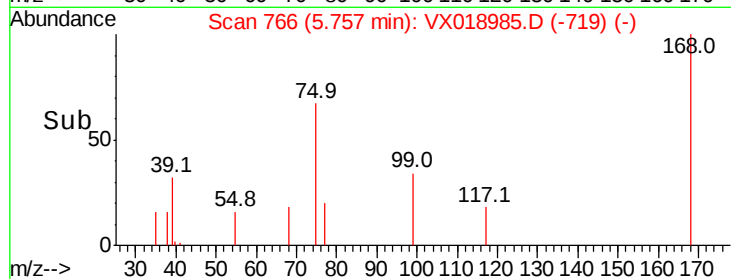
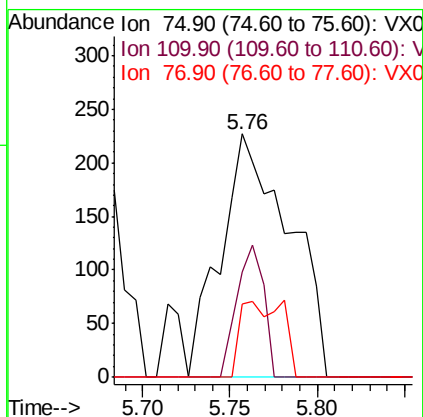
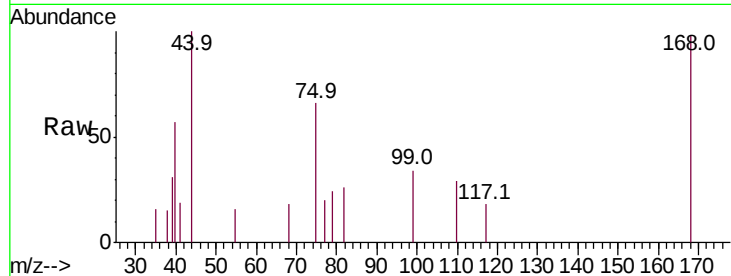




#36
 1,1-Dichloropropene
 Concen: 0.209 ug/l
 RT: 5.76 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: VX018985.D
 Acq: 20 Oct 2020 19:59

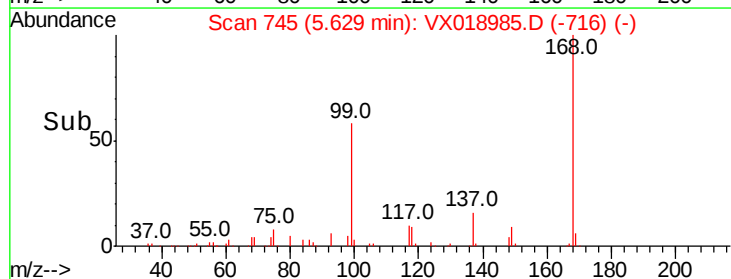
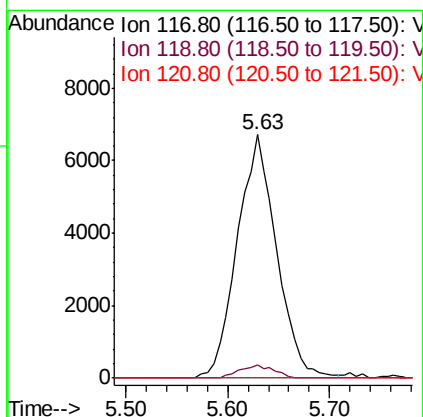
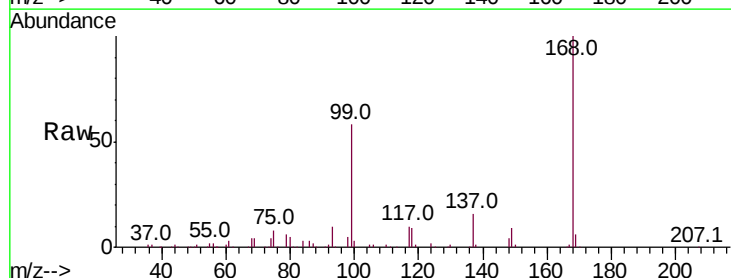
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBL01

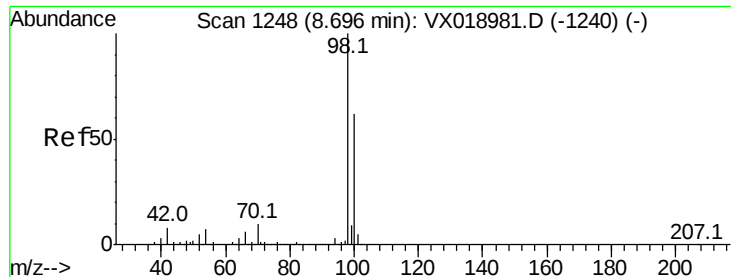
Tot Ion: 75 Resp: 623
 Ion Ratio Lower Upper
 75 100
 110 21.0 18.6 55.6
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.965 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018985.D
 Acq: 20 Oct 2020 19:59

Tgt Ion: 117 Resp: 17922
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.6 116.4#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 50.859 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

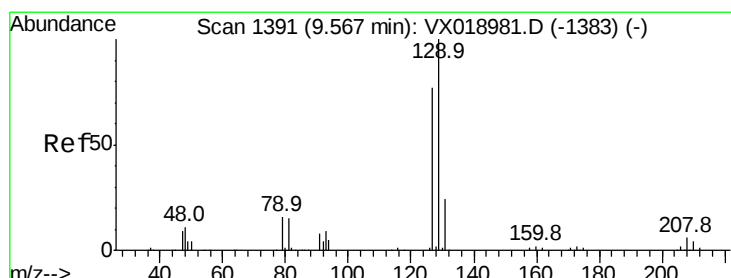
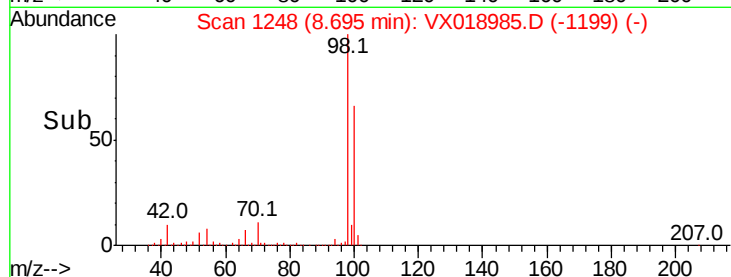
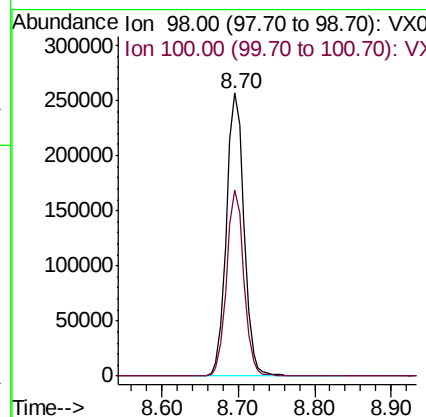
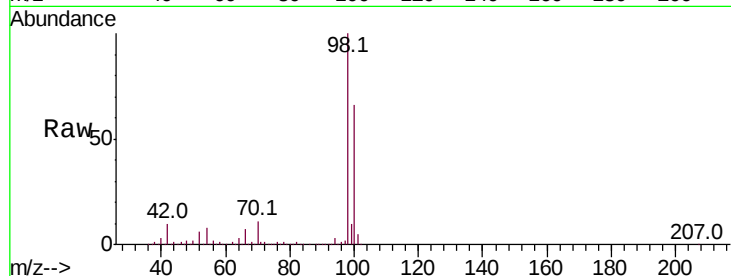
VX1020WBL01

Tot Ion: 98 Resp: 409209

Ion Ratio Lower Upper

98 100

100 64.4 52.6 78.8



#60

Dibromochloromethane

Concen: 0.331 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX018985.D

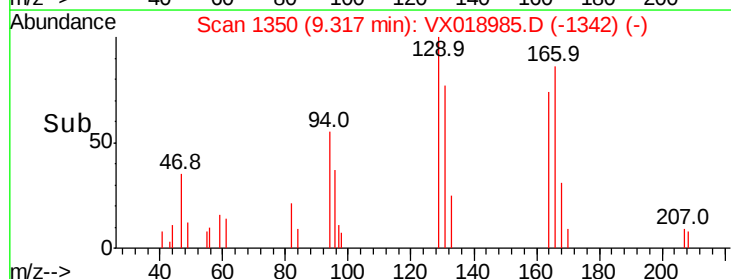
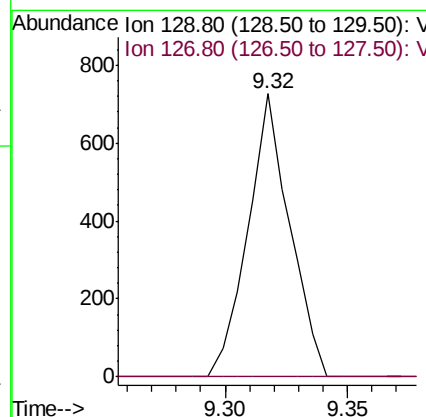
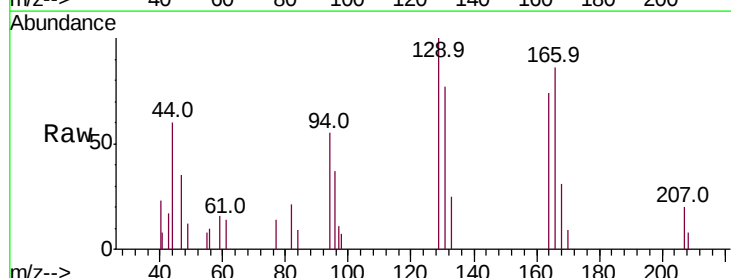
Acq: 20 Oct 2020 19:59

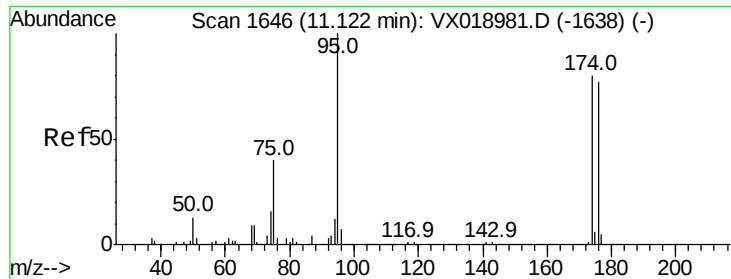
Tgt Ion: 129 Resp: 864

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.4#





#62

4-Bromofluorobenzene

Concen: 48.162 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

VX1020WBL01

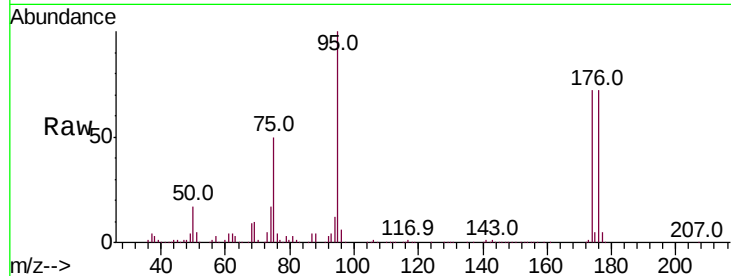
Tot Ion: 95 Resp: 151360

Ion Ratio Lower Upper

95 100

174 71.5 0.0 159.8

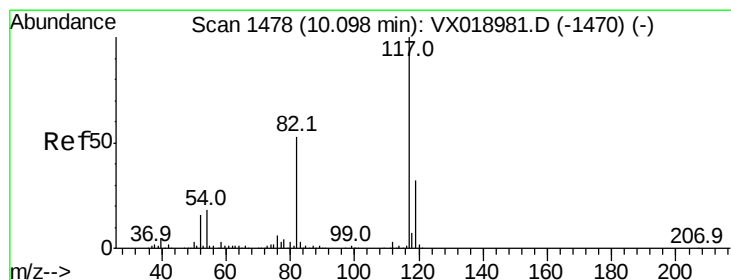
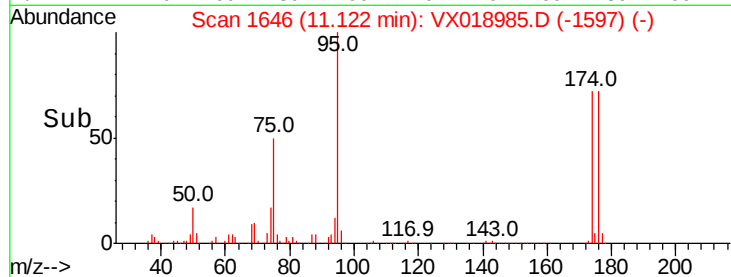
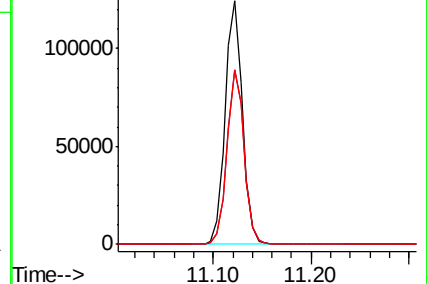
176 70.6 0.0 152.8



Abundance Ion 94.90 (94.60 to 95.60): VX018981.D (-1638) (-)

Ion 173.80 (173.50 to 174.50): VX018981.D (-1638) (-)

Ion 175.80 (175.50 to 176.50): VX018981.D (-1638) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

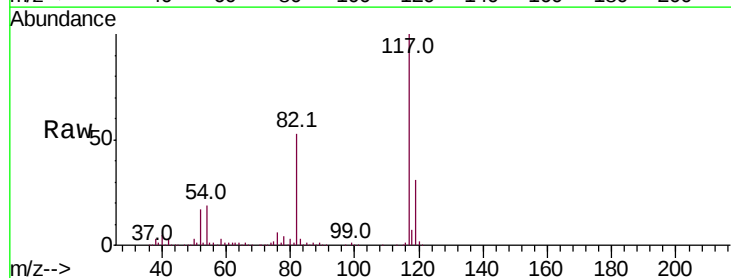
Tgt Ion: 117 Resp: 308602

Ion Ratio Lower Upper

117 100

82 52.6 42.2 63.4

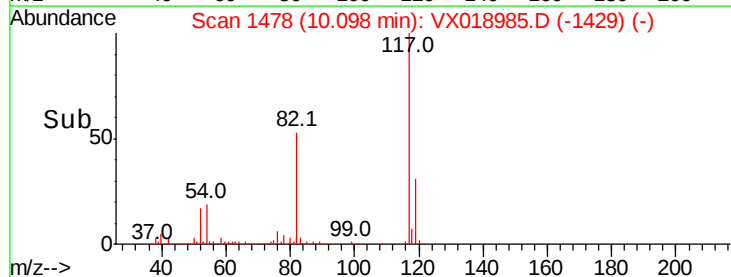
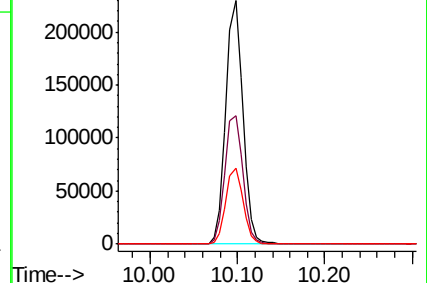
119 31.4 25.8 38.8

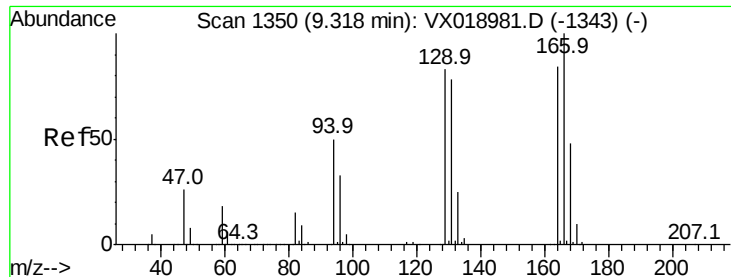


Abundance Ion 116.90 (116.60 to 117.60): VX018981.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX018981.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX018981.D (-1470) (-)

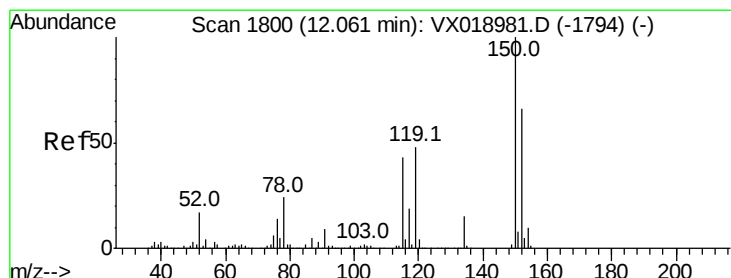
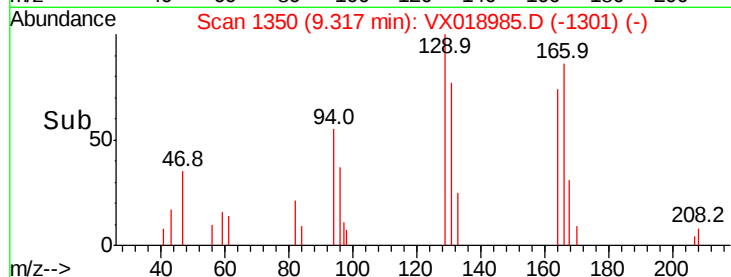
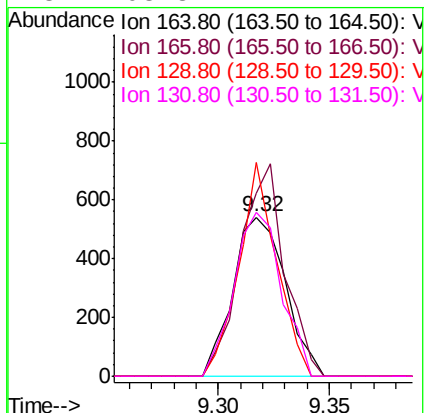
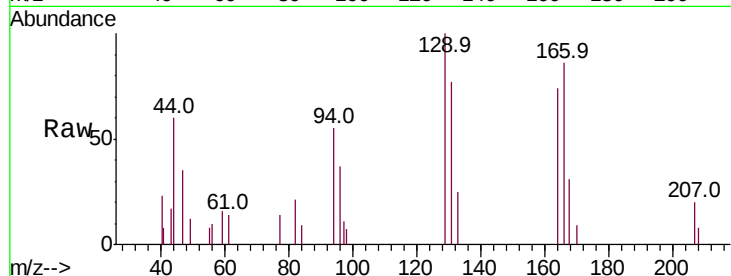




#64
Tetrachloroethene
Concen: 0.409 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX018985.D
Acq: 20 Oct 2020 19:59

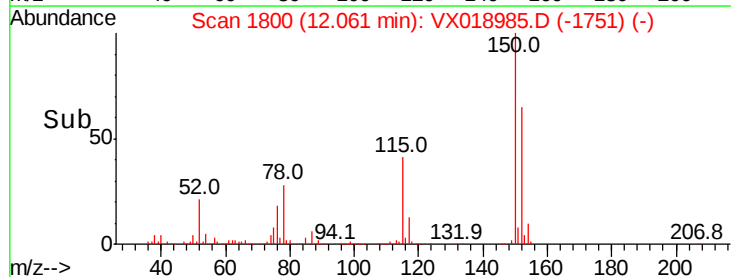
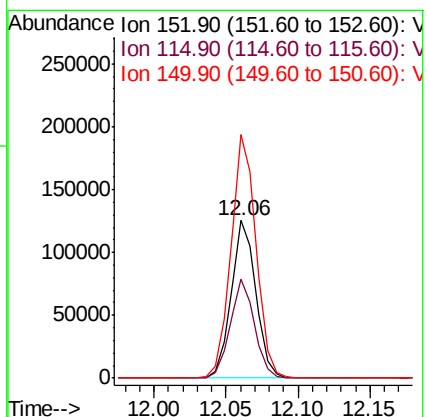
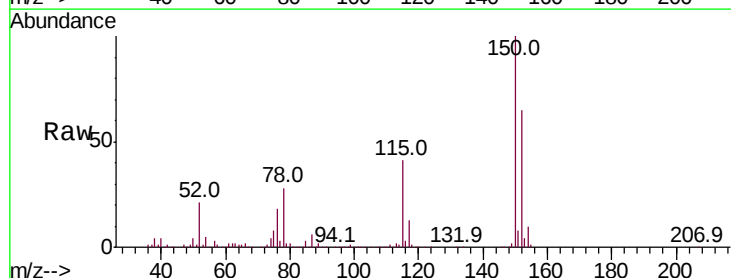
Instrument :
MSVOA_X
ClientSampleId :
VX1020WBL01

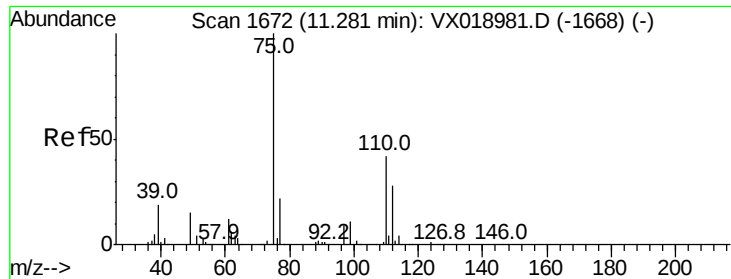
Tot Ion:164 Resp: 890
Ion Ratio Lower Upper
164 100
166 115.2 95.2 142.8
129 134.4 79.4 119.0#
131 103.3 74.2 111.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018985.D
Acq: 20 Oct 2020 19:59

Tgt Ion:152 Resp: 151289
Ion Ratio Lower Upper
152 100
115 61.7 41.2 123.6
150 156.0 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 24.286 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

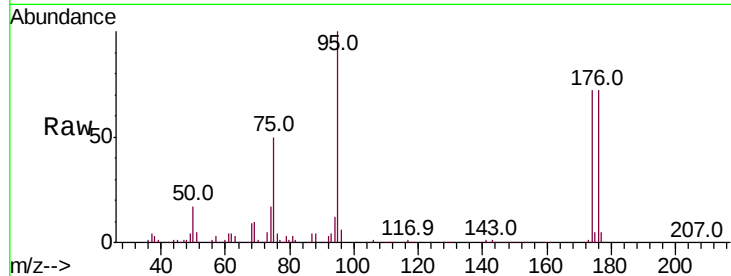
VX1020WBL01

Tot Ion: 75 Resp: 75516

Ion Ratio Lower Upper

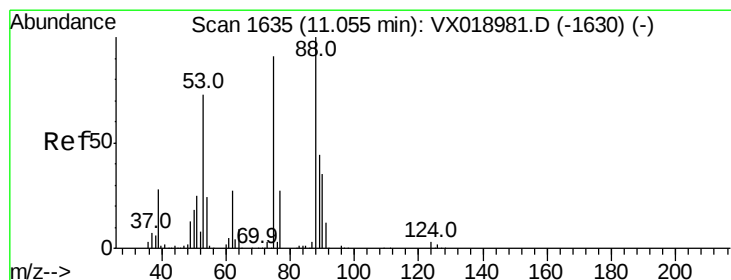
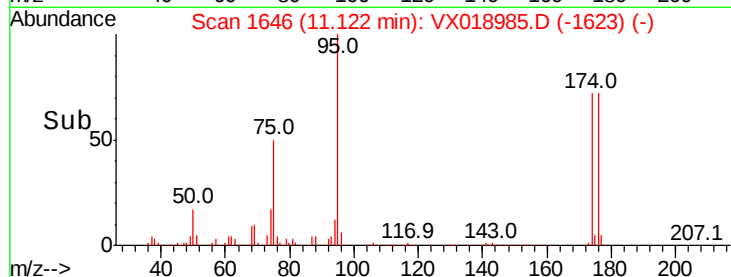
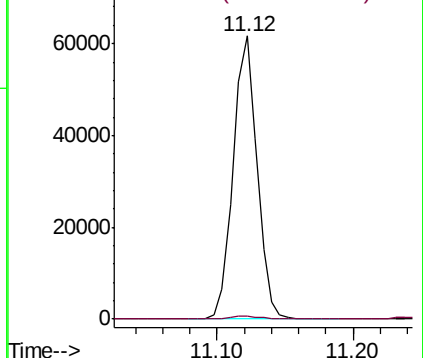
75 100

77 1.2 20.6 61.9#



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: 64.061 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

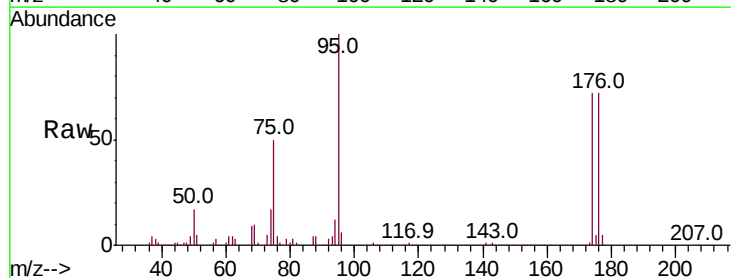
Tgt Ion: 75 Resp: 75516

Ion Ratio Lower Upper

75 100

53 0.0 63.9 95.9#

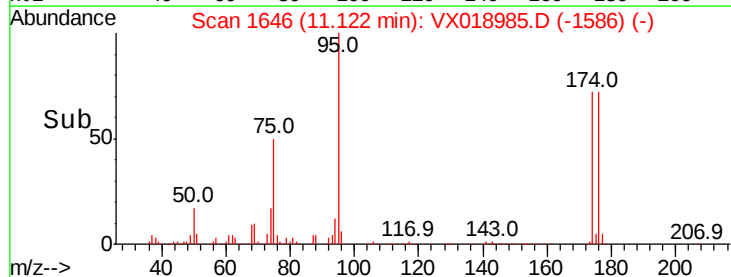
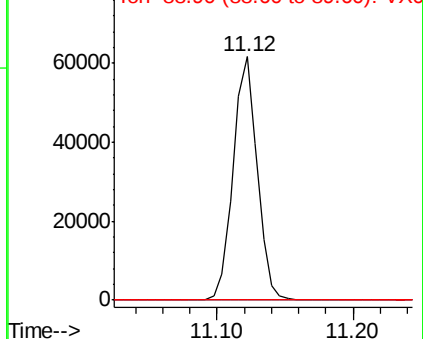
89 0.0 39.9 59.9#

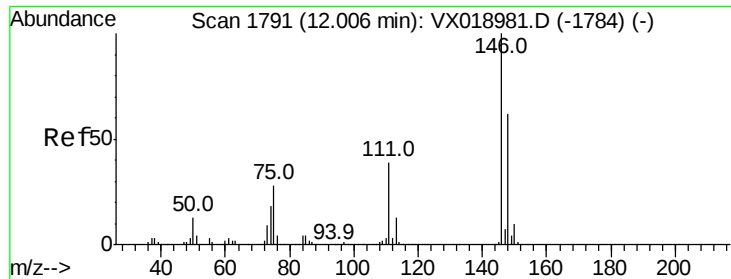


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#87

1,3-Dichlorobenzene

Concen: 0.211 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampleId :

VX1020WBL01

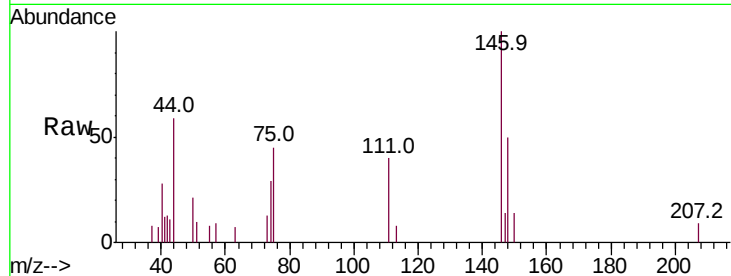
Tot Ion:146 Resp: 1040

Ion Ratio Lower Upper

146 100

111 34.7 19.8 59.4

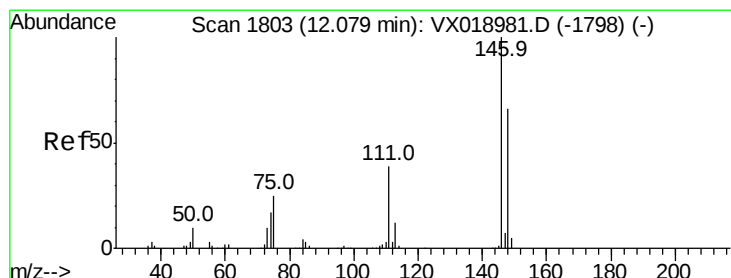
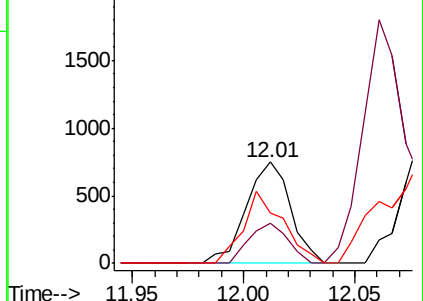
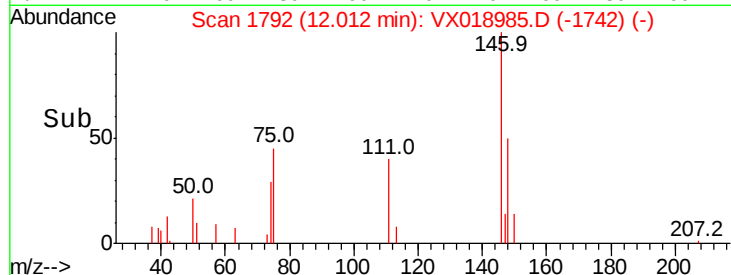
148 63.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 0.204 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.07 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

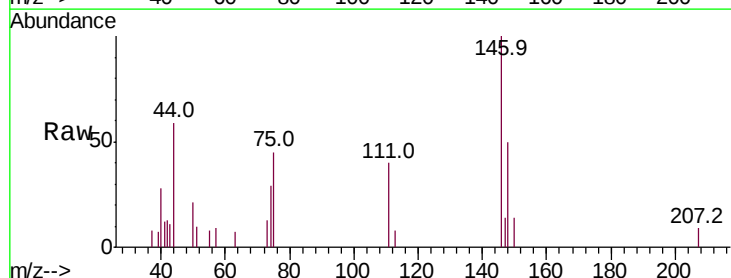
Tgt Ion:146 Resp: 1040

Ion Ratio Lower Upper

146 100

111 34.7 19.3 57.9

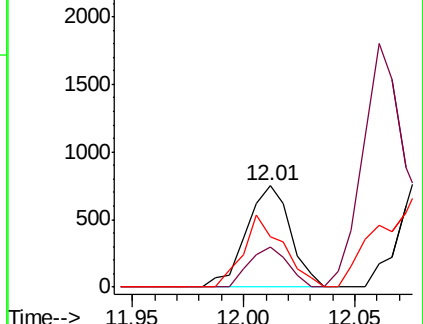
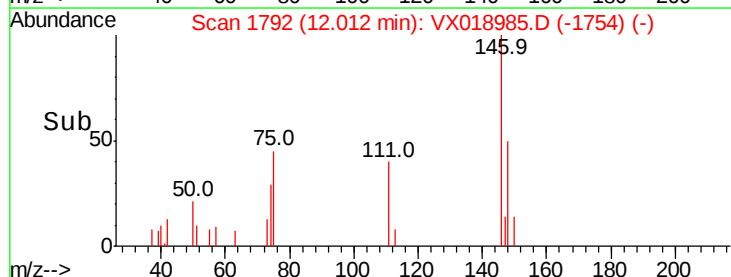
148 63.7 32.6 98.0

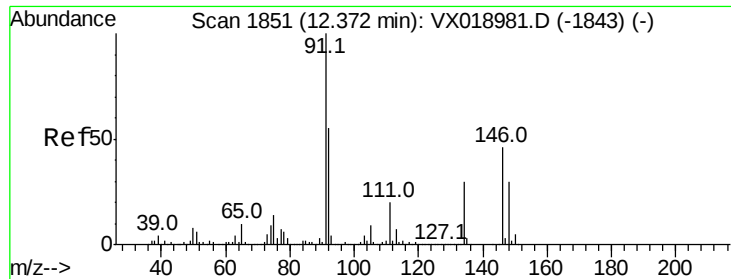


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

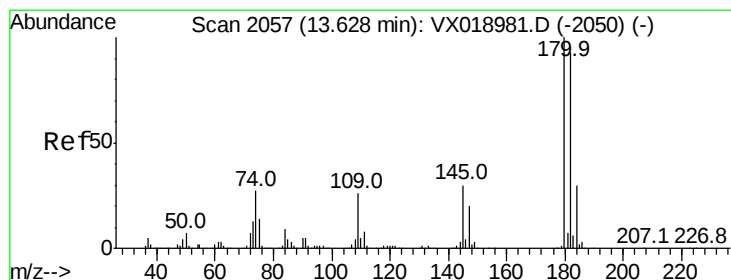
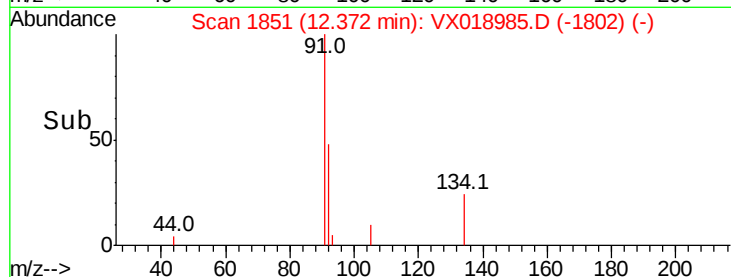
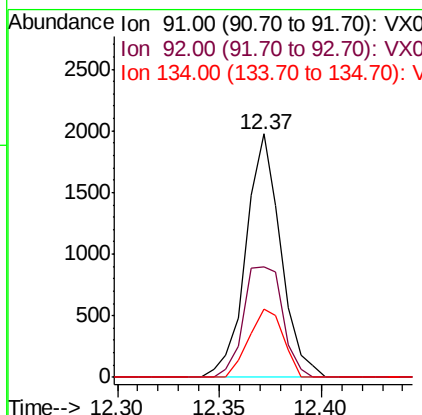
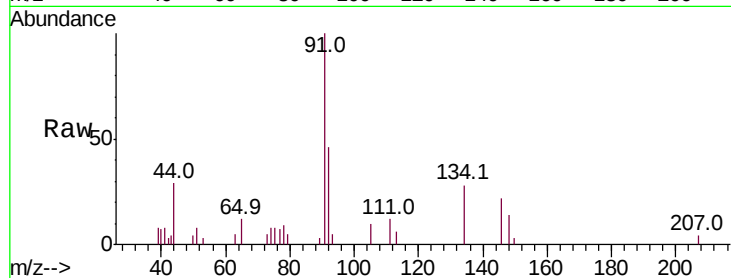




#89
n-Butylbenzene
Concen: 0.262 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018985.D
Acq: 20 Oct 2020 19:59

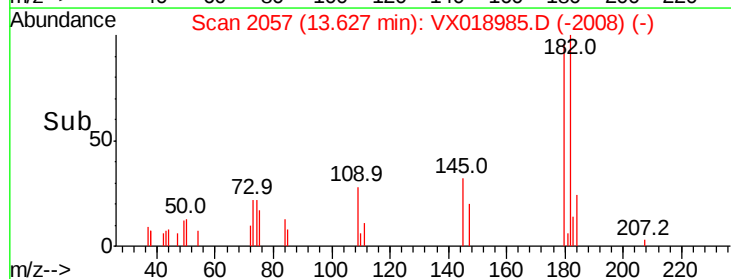
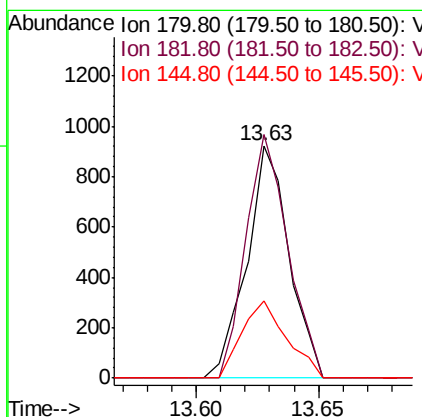
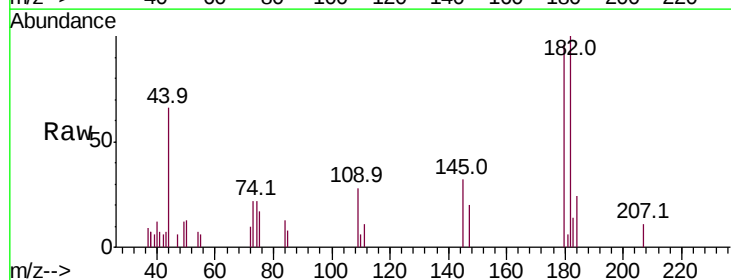
Instrument :
MSVOA_X
ClientSampled :
VX1020WBL01

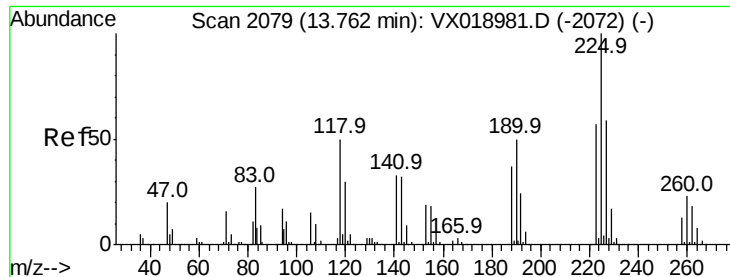
Tot Ion: 91 Resp: 2352
Ion Ratio Lower Upper
91 100
92 51.2 27.2 81.6
134 27.5 14.2 42.8



#93
1,2,4-Trichlorobenzene
Concen: 0.331 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX018985.D
Acq: 20 Oct 2020 19:59

Tgt Ion: 180 Resp: 1112
Ion Ratio Lower Upper
180 100
182 103.4 46.6 139.7
145 35.0 15.7 47.1





#94

Hexachlorobutadiene

Concen: 0.375 ug/l

RT: 13.76 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

Instrument :

MSVOA_X

ClientSampled :

VX1020WBL01

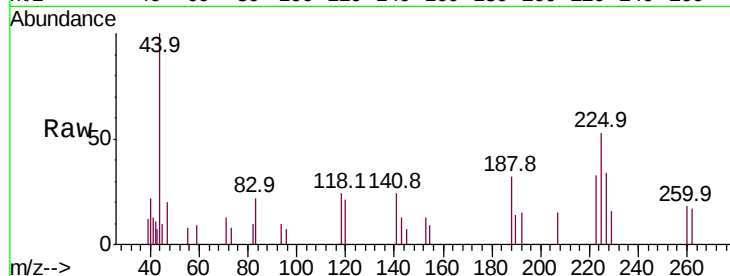
Tot Ion:225 Resp: 512

Ion Ratio Lower Upper

225 100

223 59.0 29.4 88.3

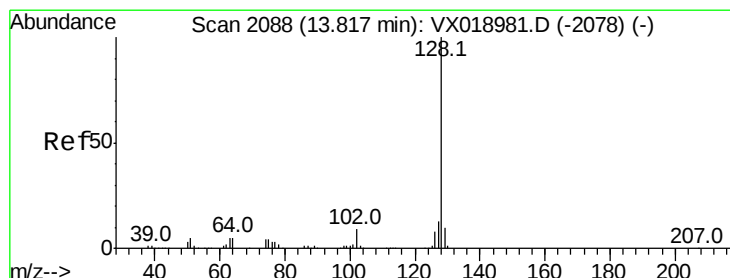
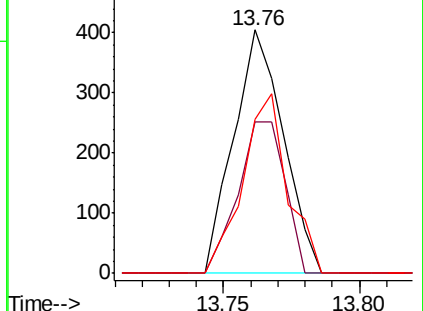
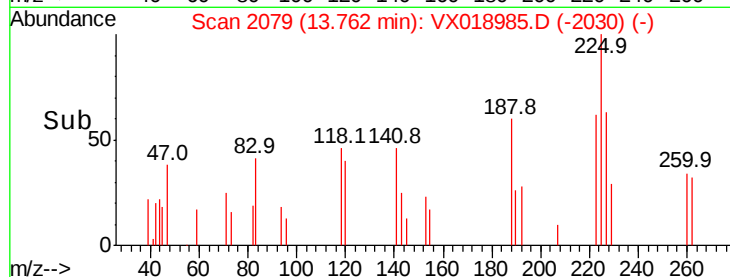
227 66.6 30.6 92.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.231 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018985.D

Acq: 20 Oct 2020 19:59

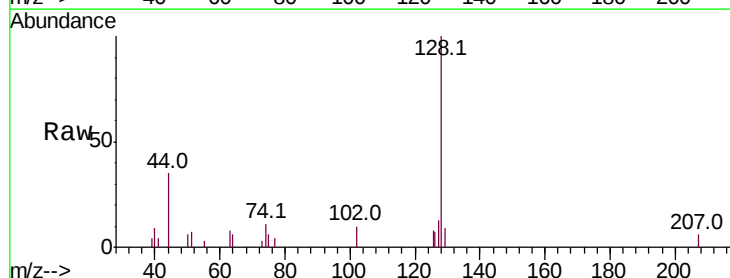
Tgt Ion:128 Resp: 2592

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

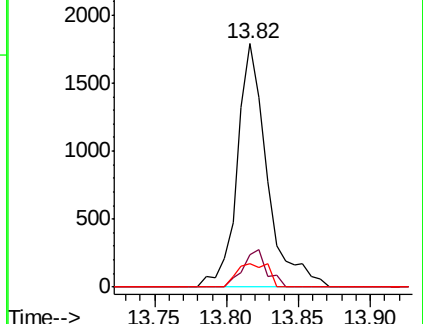
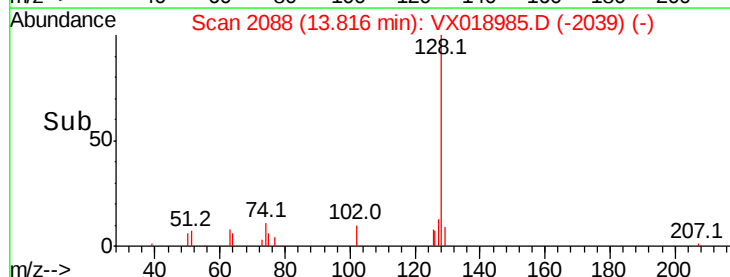
129 10.0 8.6 12.8

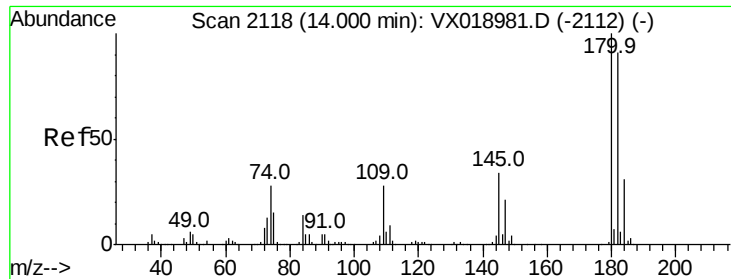


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

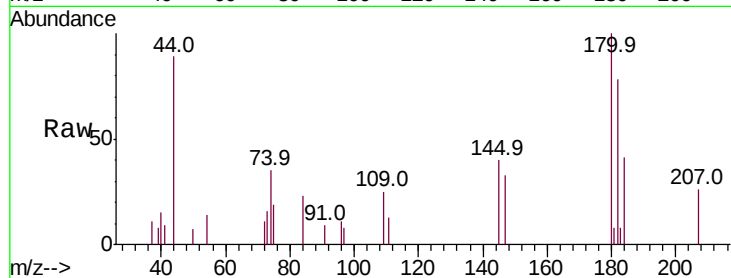




#96
 1,2,3-Trichlorobenzene
 Concen: 0.297 ug/l
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VX018985.D
 Acq: 20 Oct 2020 19:59

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1020WBL01

Tot Ion:180 Resp: 941
 Ion Ratio Lower Upper
 180 100
 182 92.1 47.8 143.4
 145 32.8 17.0 51.0



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

