

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
 Data File : VX018746.D
 Acq On : 02 Oct 2020 14:36
 Operator : JC/SP
 Sample : L4171-13DL 25X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3W0DL

Quant Time: Oct 03 05:21:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 14:11:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	186535	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	172361	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	96829	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	58895	5.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.00%
7) Chloroethane-d5	1.70	69	45769	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.34	63	105918	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	4.56	46	164081	57.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.82%
24) Chloroform-d	5.14	84	137971	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	6.03	65	84508	5.25	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	6.05	84	241996	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
36) 1,2-Dichloropropane-d6	7.37	67	70936	5.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.60%
41) Toluene-d8	8.70	98	230897	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
45) trans-1,3-Dichloropropene-	8.99	79	35199	5.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.60%
48) 2-Hexanone-d5	9.43	63	134119	60.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.14%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	55946	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	105615	5.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.20%

Target Compounds

					Ovalue
8) Chloroethane	1.74	64	1392	0.228 ug/L #	51
12) 1,1-Dichloroethene	2.34	96	1297	0.140 ug/L #	1
14) Carbon disulfide	2.55	76	3513	0.121 ug/L	99
15) Methyl Acetate	2.87	43	1159966	302.455 ug/L #	48
16) Methylene chloride	2.85	84	8258	0.733 ug/L #	1
30) Cyclohexane	5.54	56	4631	0.327 ug/L	95
35) Methylcyclohexane	7.44	83	4251	0.282 ug/L #	78
37) 1,2-Dichloropropane	7.37	63	10353	1.145 ug/L #	84
43) 1,3,5-Trimethylbenzene	11.49	105	1391689	37.230 ug/L	100
44) 1,2,4-Trimethylbenzene	11.79	105	2082226	54.880 ug/L	100
47) 1,1,2-Trichloroethane	9.15	97	1908	0.280 ug/L #	21
56) o-xylene	10.68	106	841	0.053 ug/L	95
58) Isopropylbenzene	11.00	105	60205	1.347 ug/L	96
67) 1,2-Dibromo-3-chloropropan	13.00	75	22380	11.950 ug/L #	7
68) 1,3,5-Trichlorobenzene	13.15	180	1537	0.085 ug/L #	81
69) 1,2,4-trichlorobenzene	13.63	180	372065	24.739 ug/L	98
70) Naphthalene	13.82	128	6100	0.248 ug/L #	58

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QLast Update : Fri Oct 02 14:11:08 2020
Response via : Initial Calibration

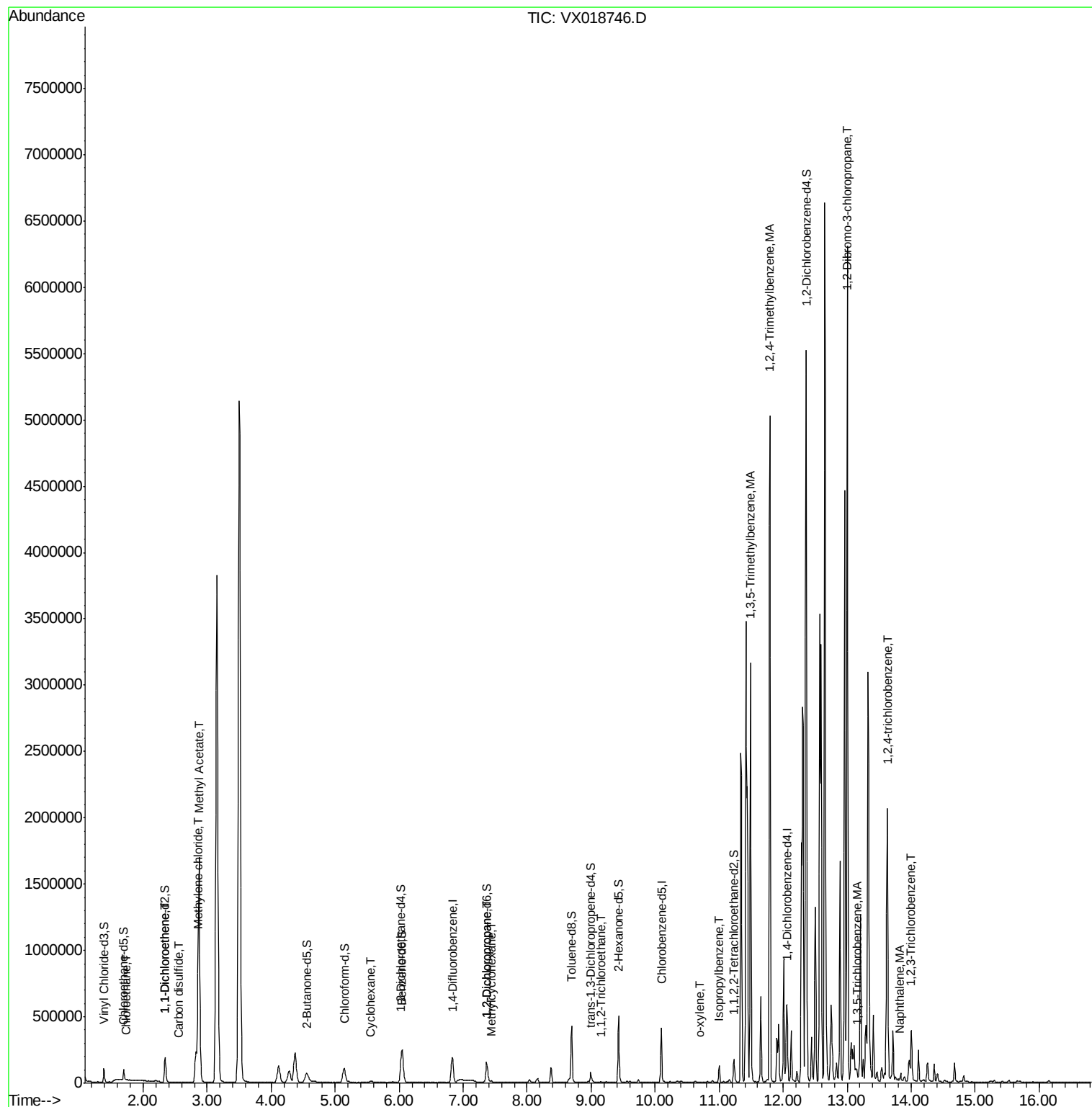
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	14.00	180	82679	6.110	ug/L	92

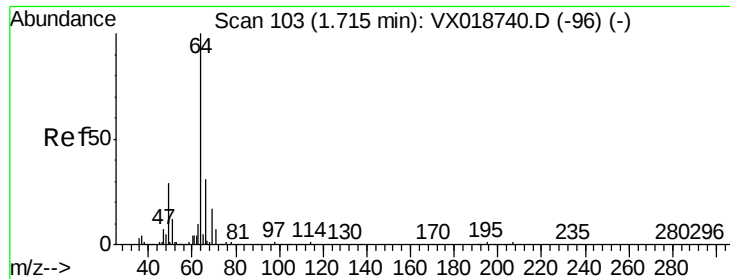
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.228 ug/L

RT: 1.74 min Scan# 107

Delta R.T. 0.02 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

Instrument :

MSVOA_X

ClientSampled :

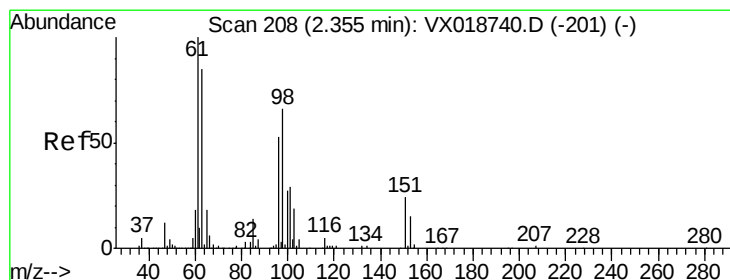
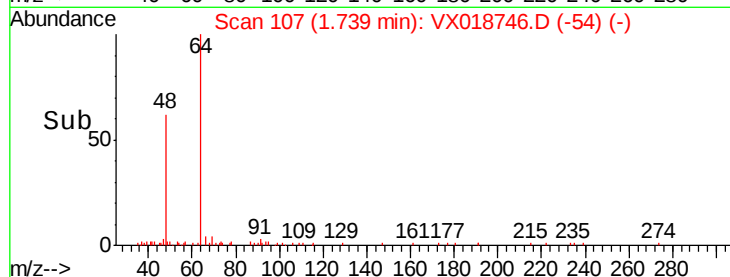
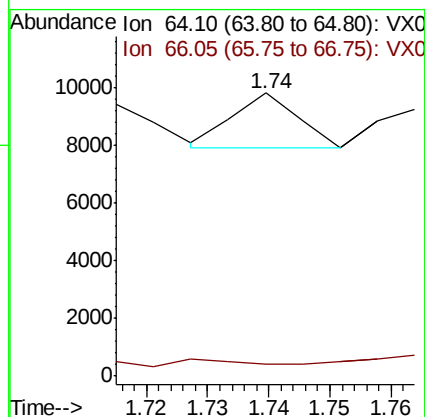
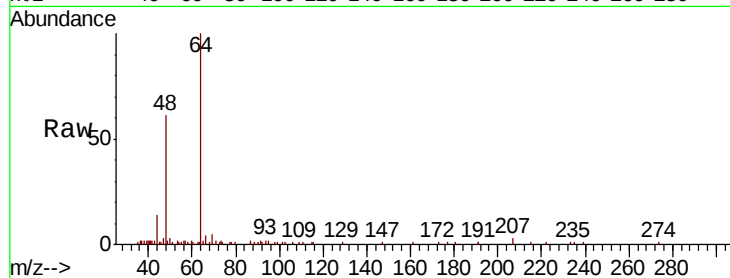
BG3W0DL

Tot Ion: 64 Resp: 1392

Ion Ratio Lower Upper

64 100

66 4.1 21.5 39.9#



#12

1,1-Dichloroethene

Concen: 0.140 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

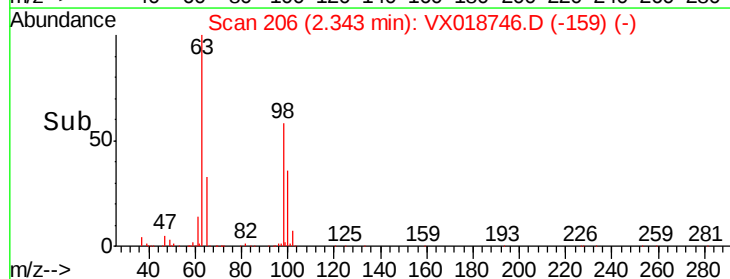
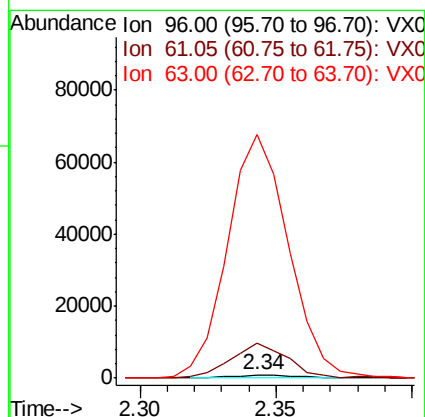
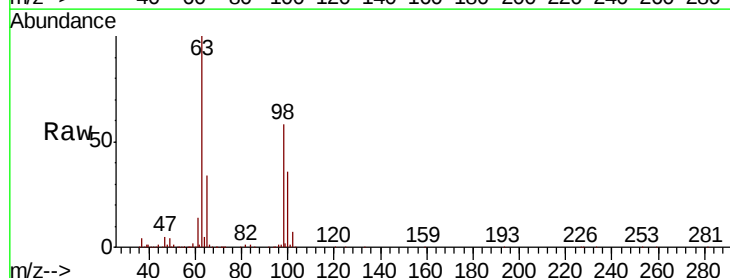
Tgt Ion: 96 Resp: 1297

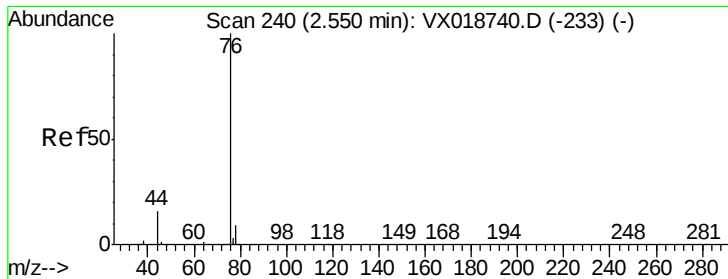
Ion Ratio Lower Upper

96 100

61 1090.8 133.2 247.4#

63 7716.3 115.1 213.7#





#14

Carbon disulfide

Concen: 0.121 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

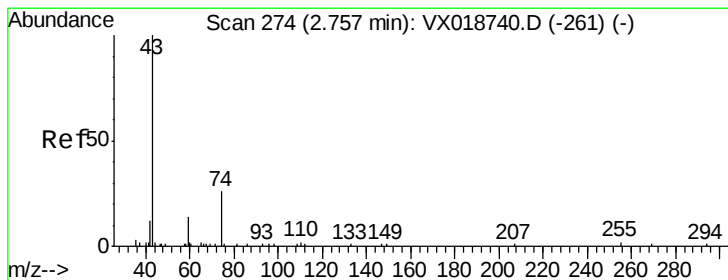
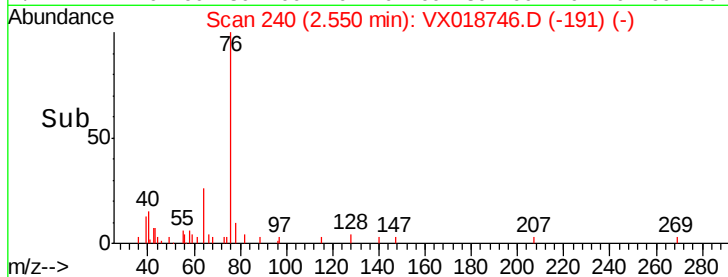
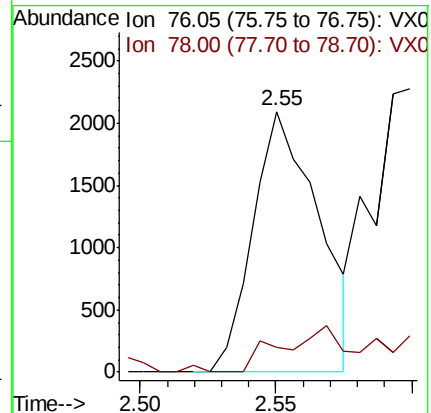
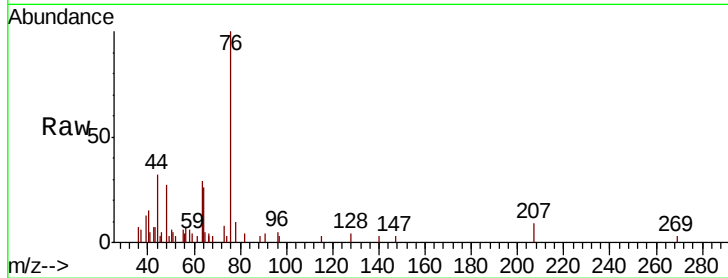
BG3W0DL

Tot Ion: 76 Resp: 3513

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.2



#15

Methyl Acetate

Concen: 302.455 ug/L

RT: 2.87 min Scan# 293

Delta R.T. 0.12 min

Lab File: VX018746.D

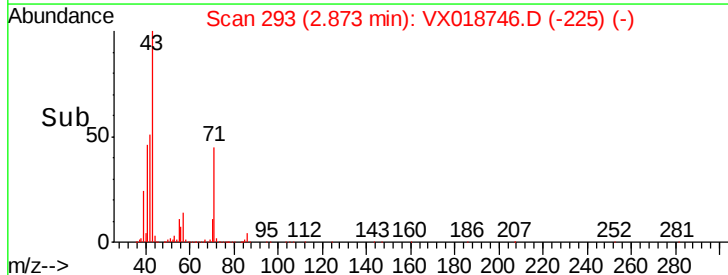
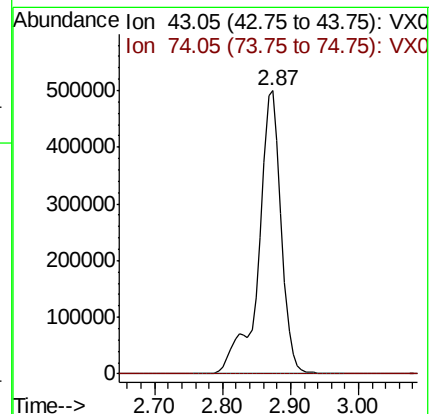
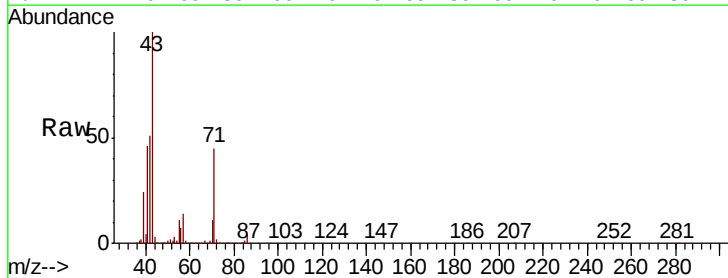
Acq: 02 Oct 2020 14:36

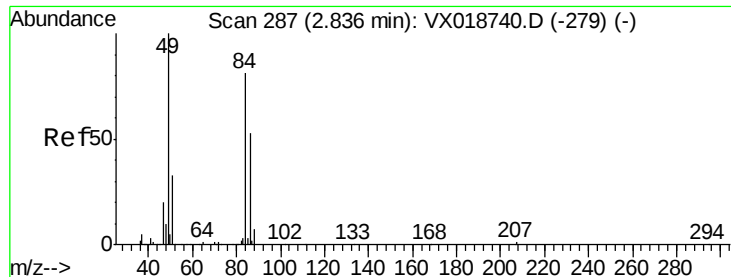
Tgt Ion: 43 Resp: 1159966

Ion Ratio Lower Upper

43 100

74 0.1 21.9 32.9#

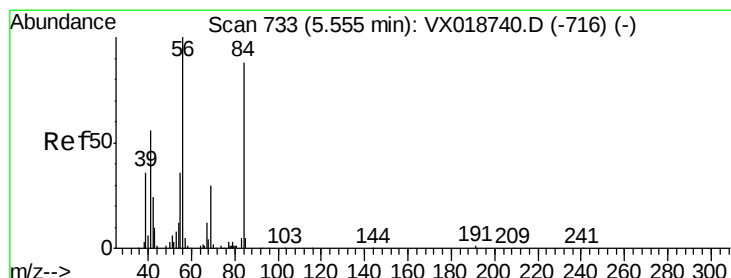
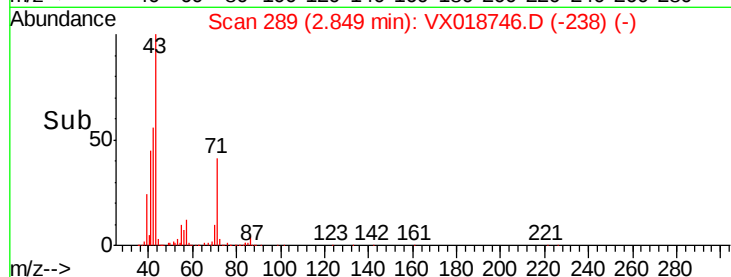
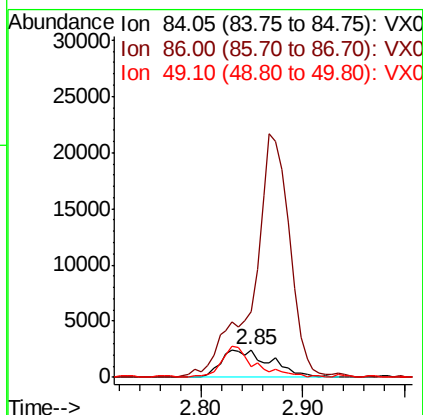
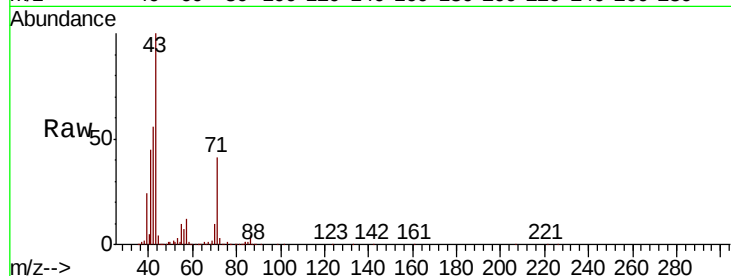




#16
Methvlene chloride
Concen: 0.733 ug/L
RT: 2.85 min Scan# 289
Delta R.T. 0.01 min
Lab File: VX018746.D
Acq: 02 Oct 2020 14:36

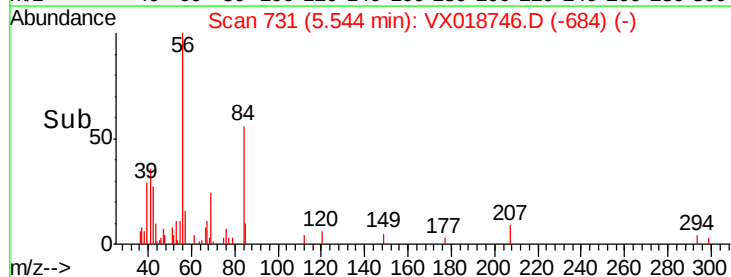
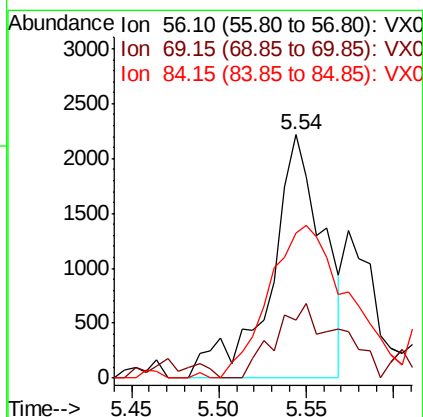
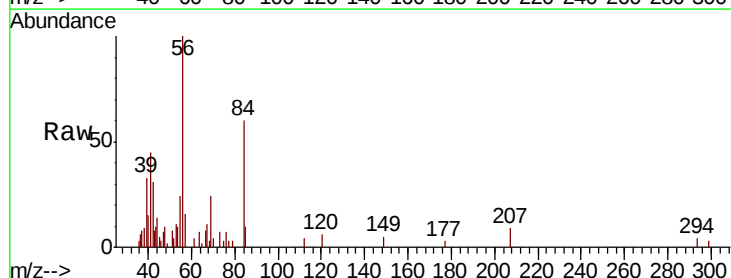
Instrument :
MSVOA_X
ClientSampleId :
BG3W0DL

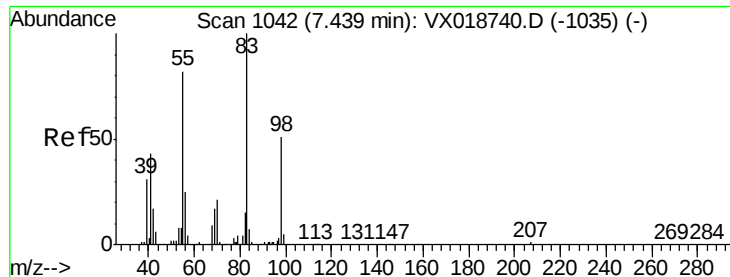
Tot Ion: 84 Resp: 8258
Ion Ratio Lower Upper
84 100
86 235.9 45.6 84.8#
49 40.7 85.8 159.3#



#30
Cyclohexane
Concen: 0.327 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX018746.D
Acq: 02 Oct 2020 14:36

Tgt Ion: 56 Resp: 4631
Ion Ratio Lower Upper
56 100
69 37.6 26.0 39.0
84 95.3 73.8 110.6

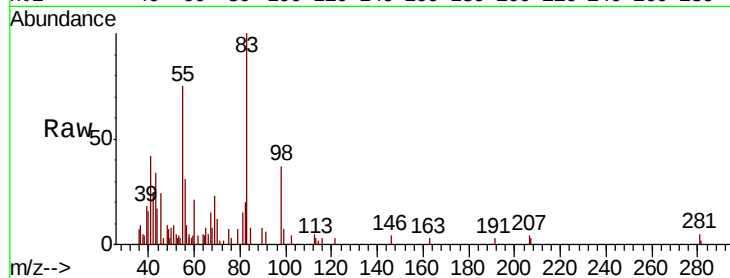




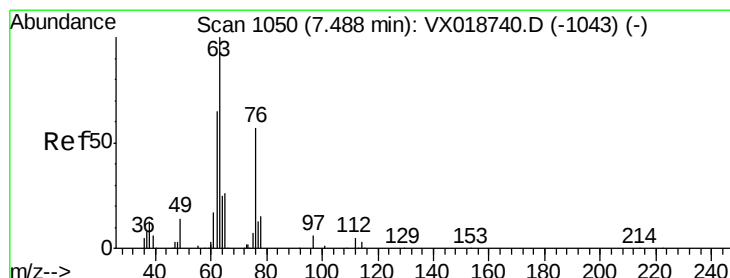
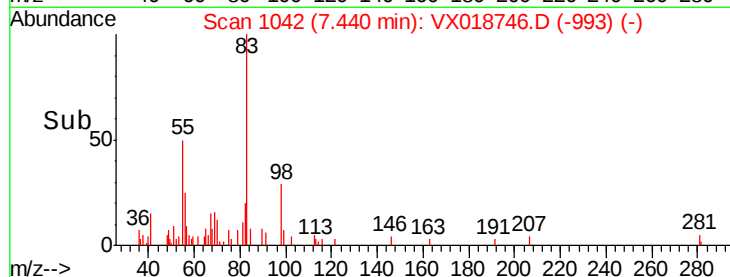
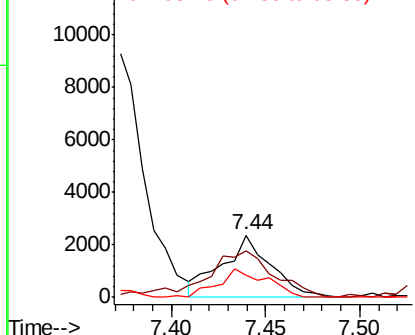
#35
Methvlcvclohexane
Concen: 0.282 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018746.D
Acq: 02 Oct 2020 14:36

Instrument :
MSVOA_X
ClientSampleId :
BG3W0DL

Tot Ion: 83 Resp: 4251
Ion Ratio Lower Upper
83 100
55 103.5 60.3 90.5#
98 45.9 39.4 59.0

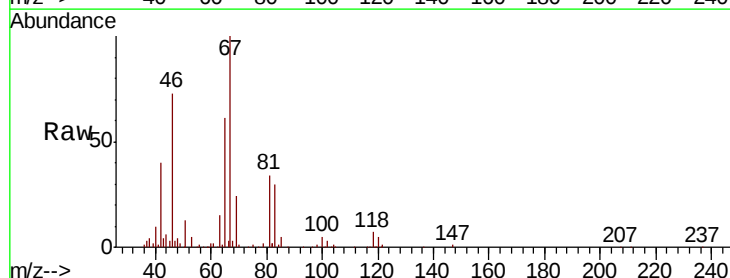


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

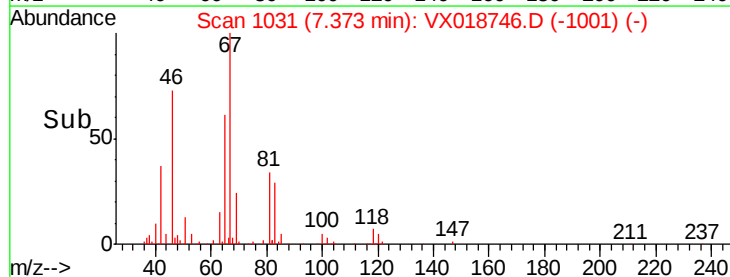
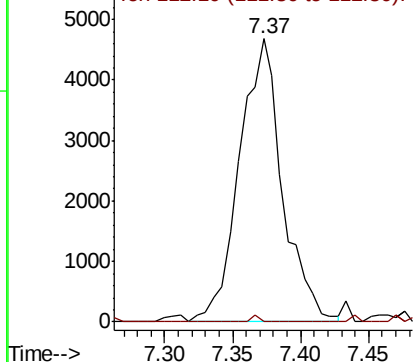


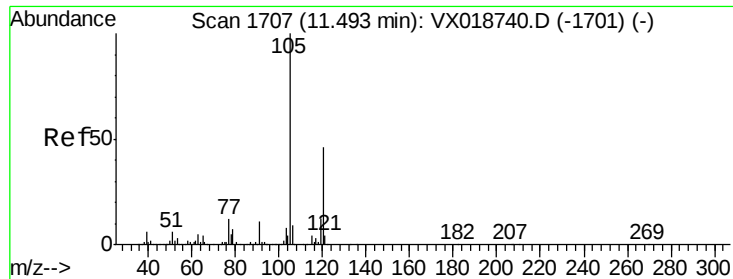
#37
1,2-Dichloropropane
Concen: 1.145 ug/L
RT: 7.37 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VX018746.D
Acq: 02 Oct 2020 14:36

Tgt Ion: 63 Resp: 10353
Ion Ratio Lower Upper
63 100
112 0.4 4.7 7.1#



Abundance Ion 63.10 (62.80 to 63.80): VX0
Ion 112.10 (111.80 to 112.80): V





#43

1,3,5-Trimethylbenzene

Concen: 37.230 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

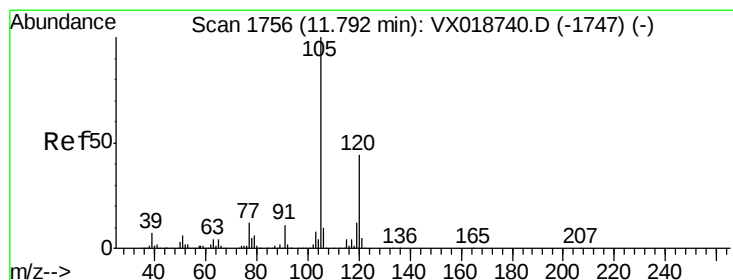
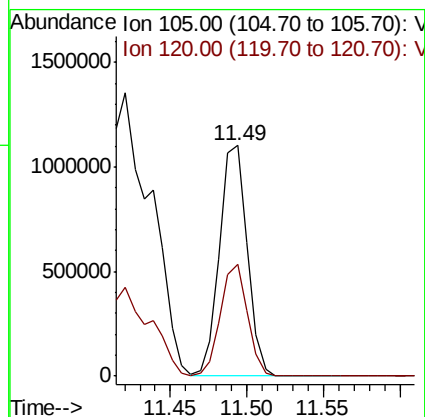
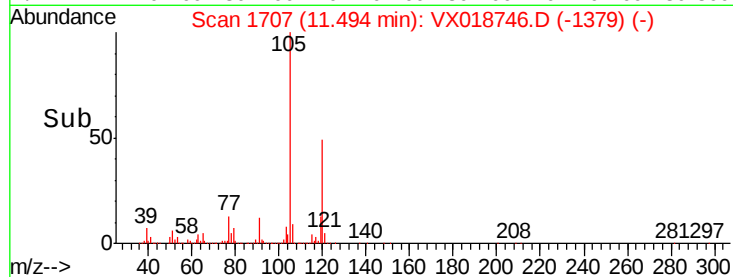
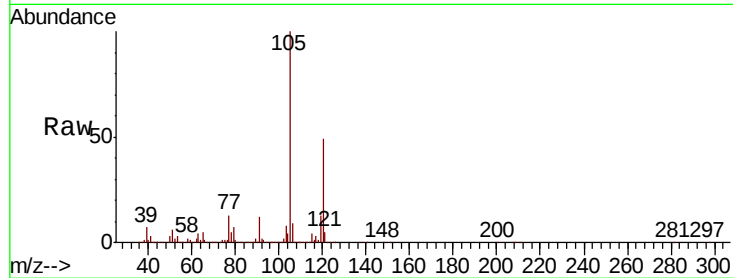
BG3W0DL

Tot Ion:105 Resp: 1391689

Ion Ratio Lower Upper

105 100

120 47.3 37.7 56.5



#44

1,2,4-Trimethylbenzene

Concen: 54.880 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018746.D

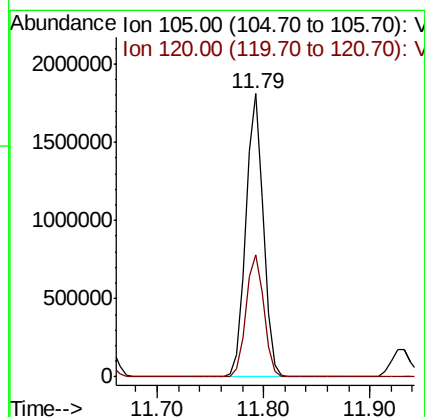
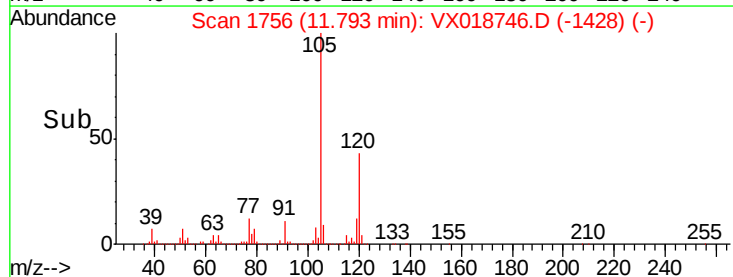
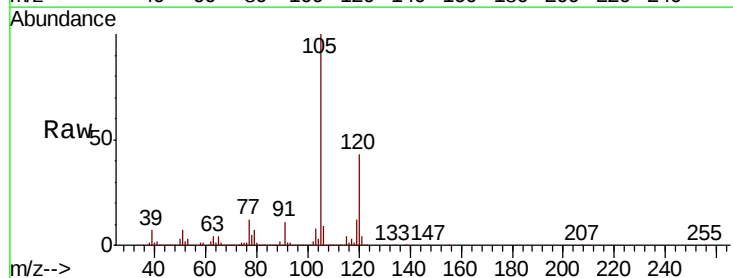
Acq: 02 Oct 2020 14:36

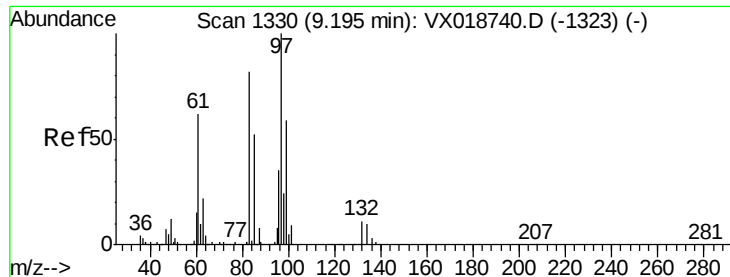
Tgt Ion:105 Resp: 2082226

Ion Ratio Lower Upper

105 100

120 44.2 35.1 52.7





#47

1,1,2-Trichloroethane

Concen: 0.280 ug/L

RT: 9.15 min Scan# 1323

Delta R.T. -0.04 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

BG3W0DL

Tot Ion: 97 Resp: 1908

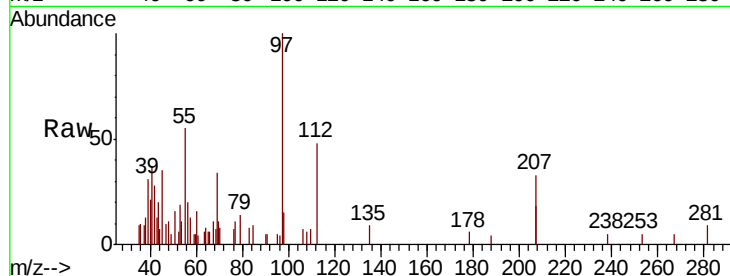
Ion Ratio Lower Upper

97 100

99 0.0 41.1 76.3#

83 8.0 57.5 106.7#

85 0.0 36.9 68.5#

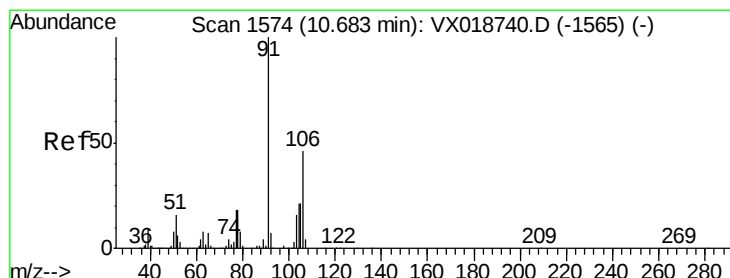
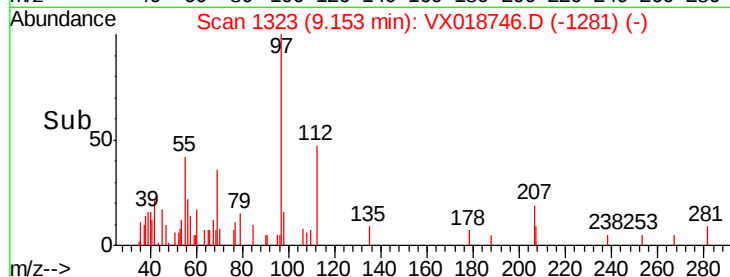
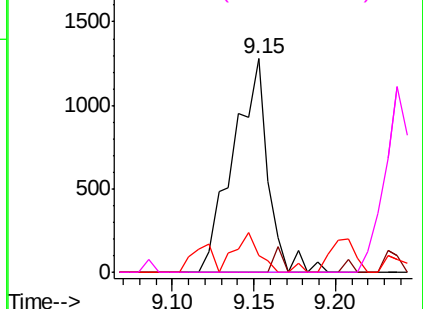


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#56

o-xylene

Concen: 0.053 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018746.D

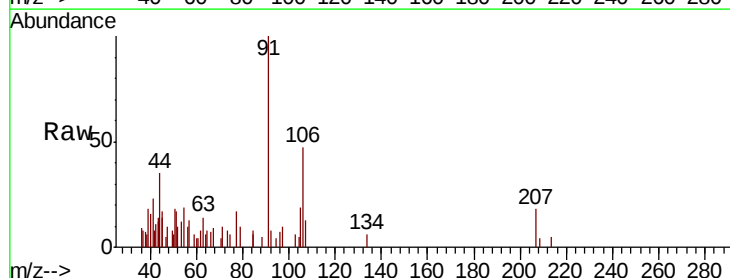
Acq: 02 Oct 2020 14:36

Tgt Ion: 106 Resp: 841

Ion Ratio Lower Upper

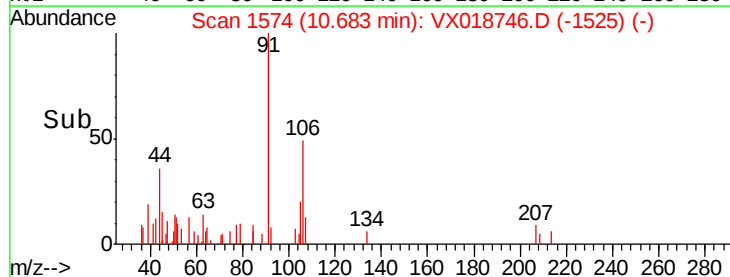
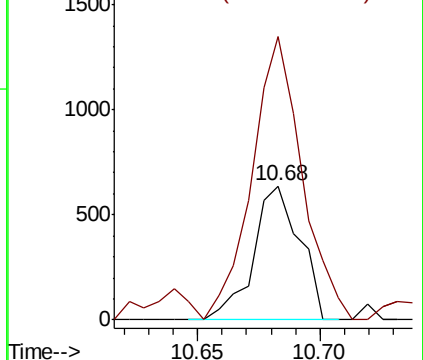
106 100

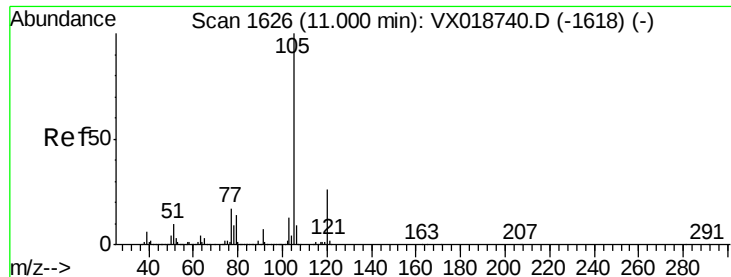
91 210.8 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 1.347 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

BG3W0DL

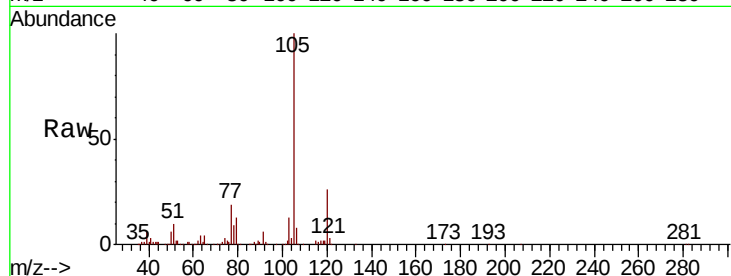
Tot Ion:105 Resp: 60205

Ion Ratio Lower Upper

105 100

120 26.9 20.2 30.2

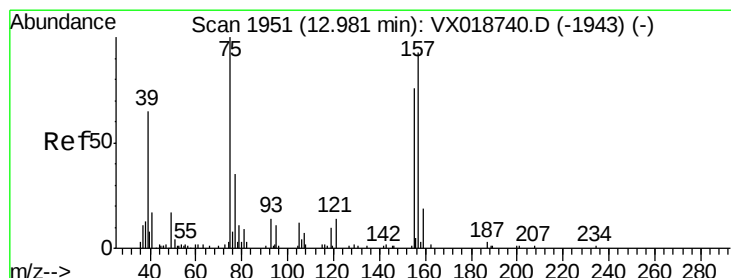
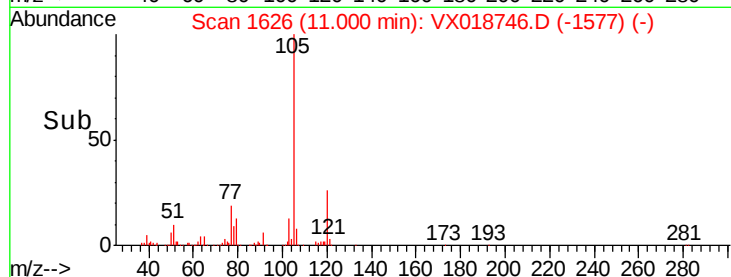
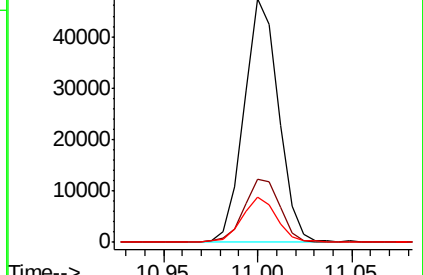
77 19.1 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#67

1,2-Dibromo-3-chloropropane

Concen: 11.950 ug/L

RT: 13.00 min Scan# 1954

Delta R.T. 0.02 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

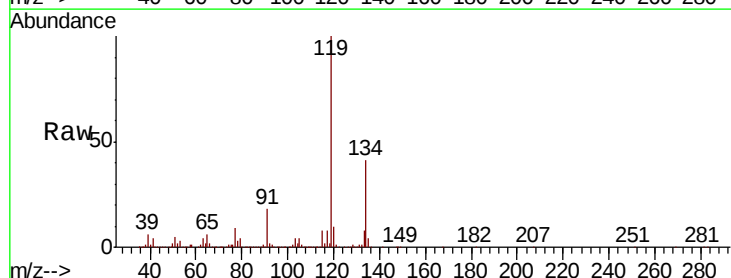
Tgt Ion: 75 Resp: 22380

Ion Ratio Lower Upper

75 100

155 0.0 61.1 91.7#

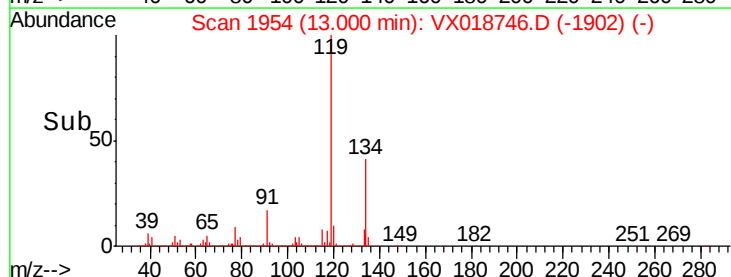
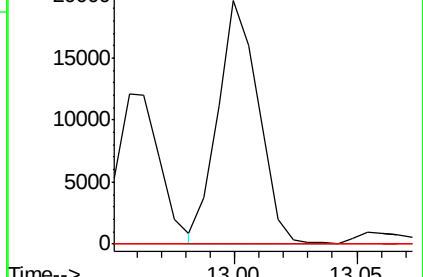
157 0.0 74.2 111.2#

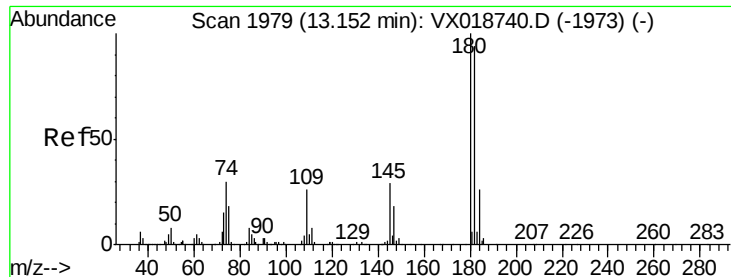


Abundance Ion 75.05 (74.75 to 75.75): V

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

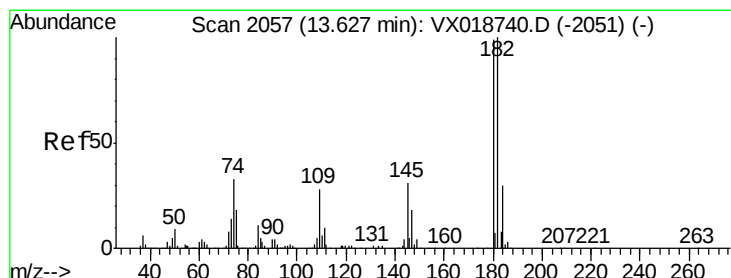
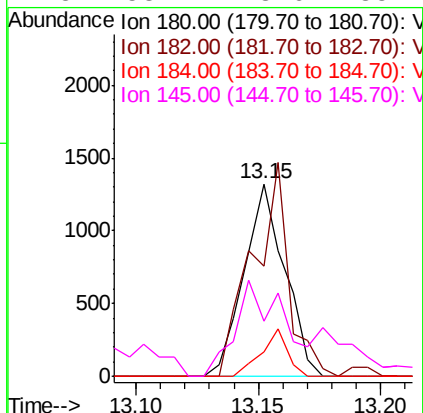
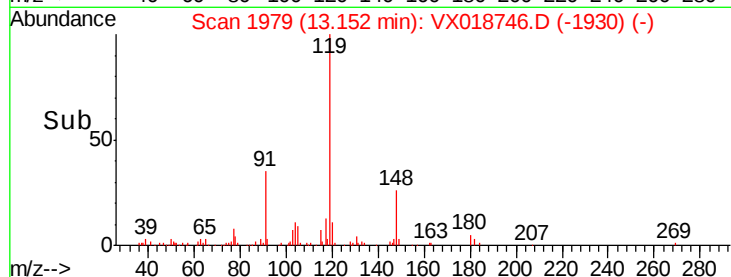
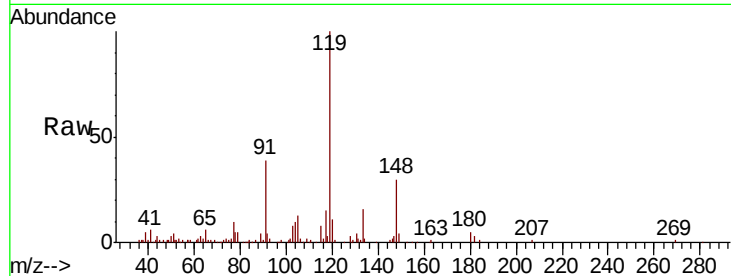




#68
 1,3,5-Trichlorobenzene
 Concen: 0.085 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VX018746.D
 Acq: 02 Oct 2020 14:36

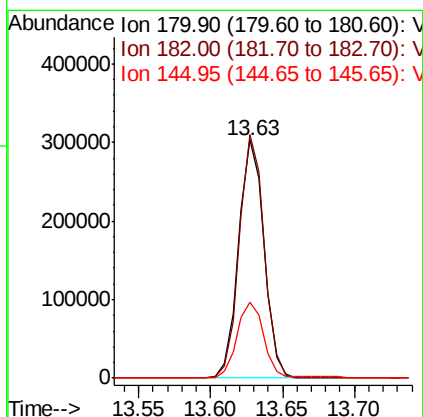
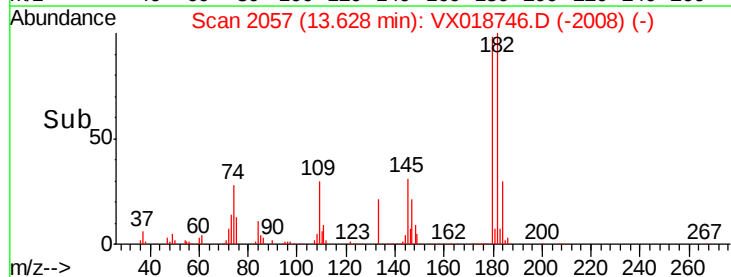
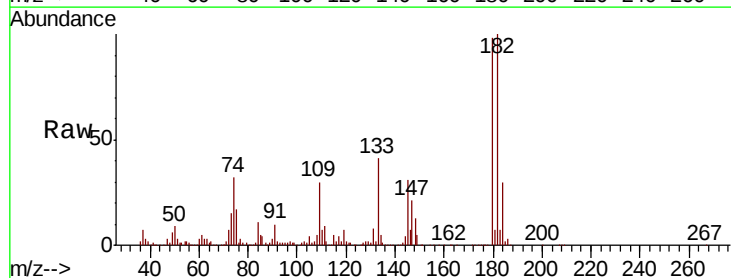
Instrument :
 MSVOA_X
 ClientSampleID :
 BG3W0DL

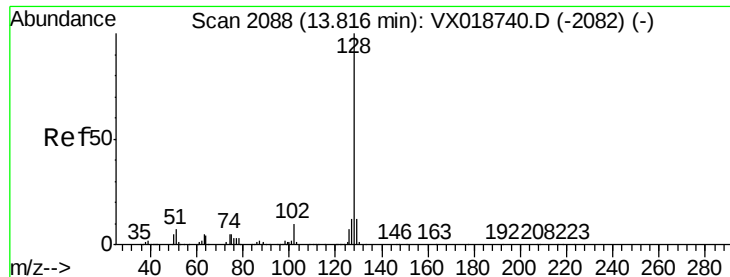
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	74.1	111.1
184	15.9	23.4	35.2#
145	58.7	23.6	35.4#



#69
 1,2,4-trichlorobenzene
 Concen: 24.739 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018746.D
 Acq: 02 Oct 2020 14:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	80.2	120.4
145	34.3	25.2	37.8





#70

Naphthalene

Concen: 0.248 ug/L

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

BG3W0DL

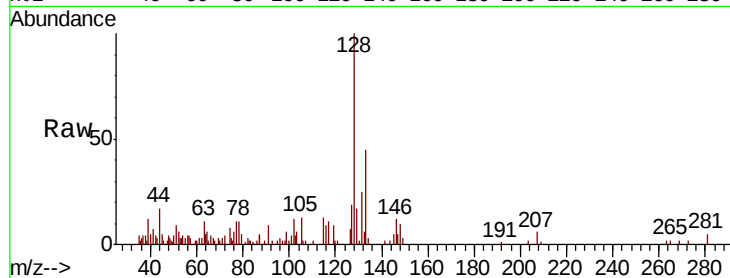
Tot Ion:128 Resp: 6100

Ion Ratio Lower Upper

128 100

129 28.2 9.0 13.4#

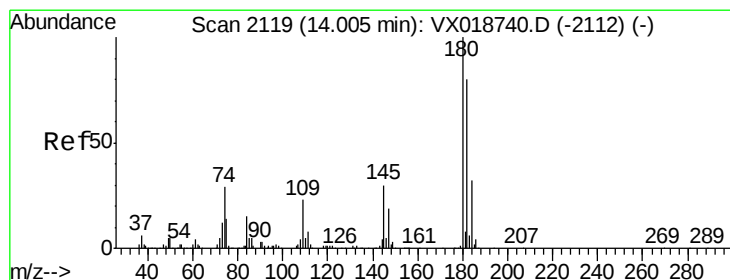
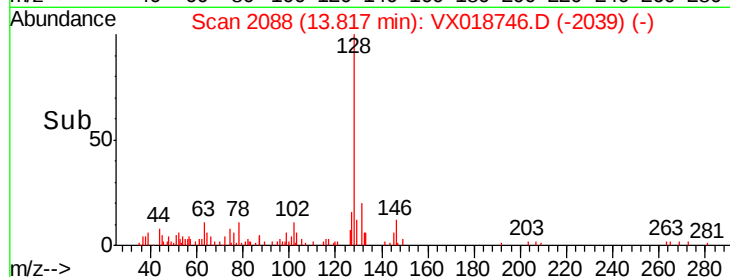
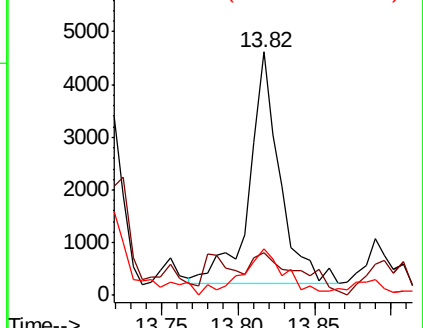
127 28.6 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#71

1,2,3-Trichlorobenzene

Concen: 6.110 ug/L

RT: 14.00 min Scan# 2118

Delta R.T. -0.01 min

Lab File: VX018746.D

Acq: 02 Oct 2020 14:36

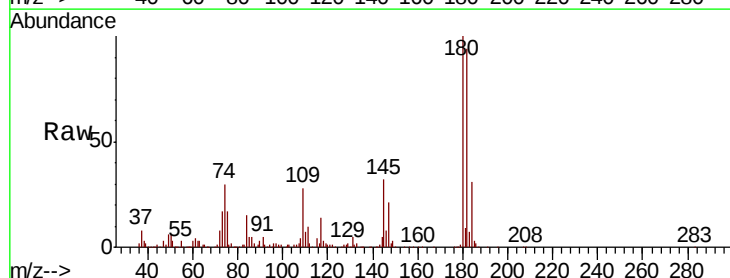
Tgt Ion:180 Resp: 82679

Ion Ratio Lower Upper

180 100

182 98.3 73.6 110.4

145 39.1 26.6 40.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

