

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100220\
 Data File : VX018749.D
 Acq On : 02 Oct 2020 15:51
 Operator : JC/SP
 Sample : L4171-12DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3T9DL 5X

Quant Time: Oct 03 05:21:27 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	178396	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	167099	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	91754	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57436	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	1.70	69	46792	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	2.34	63	105419	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.60%
20) 2-Butanone-d5	4.55	46	166336	60.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.70%
24) Chloroform-d	5.14	84	138585	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
26) 1,2-Dichloroethane-d4	6.03	65	86936	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.00%
32) Benzene-d6	6.05	84	241986	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.60%
36) 1,2-Dichloropropane-d6	7.37	67	69744	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	8.70	98	226168	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
45) trans-1,3-Dichloropropene-	8.99	79	35877	5.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.00%
48) 2-Hexanone-d5	9.43	63	132850	61.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.74%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	55181	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	101082	5.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.40%

Target Compounds

					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.34	101	1151	0.115 ug/L #	17
12) 1,1-Dichloroethene	2.34	96	1255	0.141 ug/L #	1
13) Acetone	2.45	43	15759	10.560 ug/L	100
14) Carbon disulfide	2.55	76	6776	0.244 ug/L #	90
15) Methyl Acetate	2.82	43	25397	6.924 ug/L #	48
16) Methylene chloride	2.83	84	5403	0.501 ug/L #	87
22) cis-1,2-Dichloroethene	4.54	96	532	0.054 ug/L #	93
37) 1,2-Dichloropropane	7.37	63	9979	1.138 ug/L #	84
39) cis-1,3-Dichloropropene	8.38	75	3183	0.227 ug/L	99
43) 1,3,5-Trimethylbenzene	11.49	105	321375	8.868 ug/L	99
44) 1,2,4-Trimethylbenzene	11.79	105	575768	15.653 ug/L	100
50) 2-Hexanone	9.48	43	3599	0.976 ug/L #	87
58) Isopropylbenzene	11.01	105	15882	0.367 ug/L	95
66) 1,2-Dichlorobenzene	12.37	146	1238	0.059 ug/L #	32
67) 1,2-Dibromo-3-chloropropan	12.96	75	6765	3.812 ug/L #	7
69) 1,2,4-trichlorobenzene	13.63	180	155434	10.907 ug/L	94
70) Naphthalene	13.82	128	4007	0.172 ug/L #	58

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Quant Time: Oct 03 05:21:27 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 02 14:11:08 2020
Response via : Initial Calibration

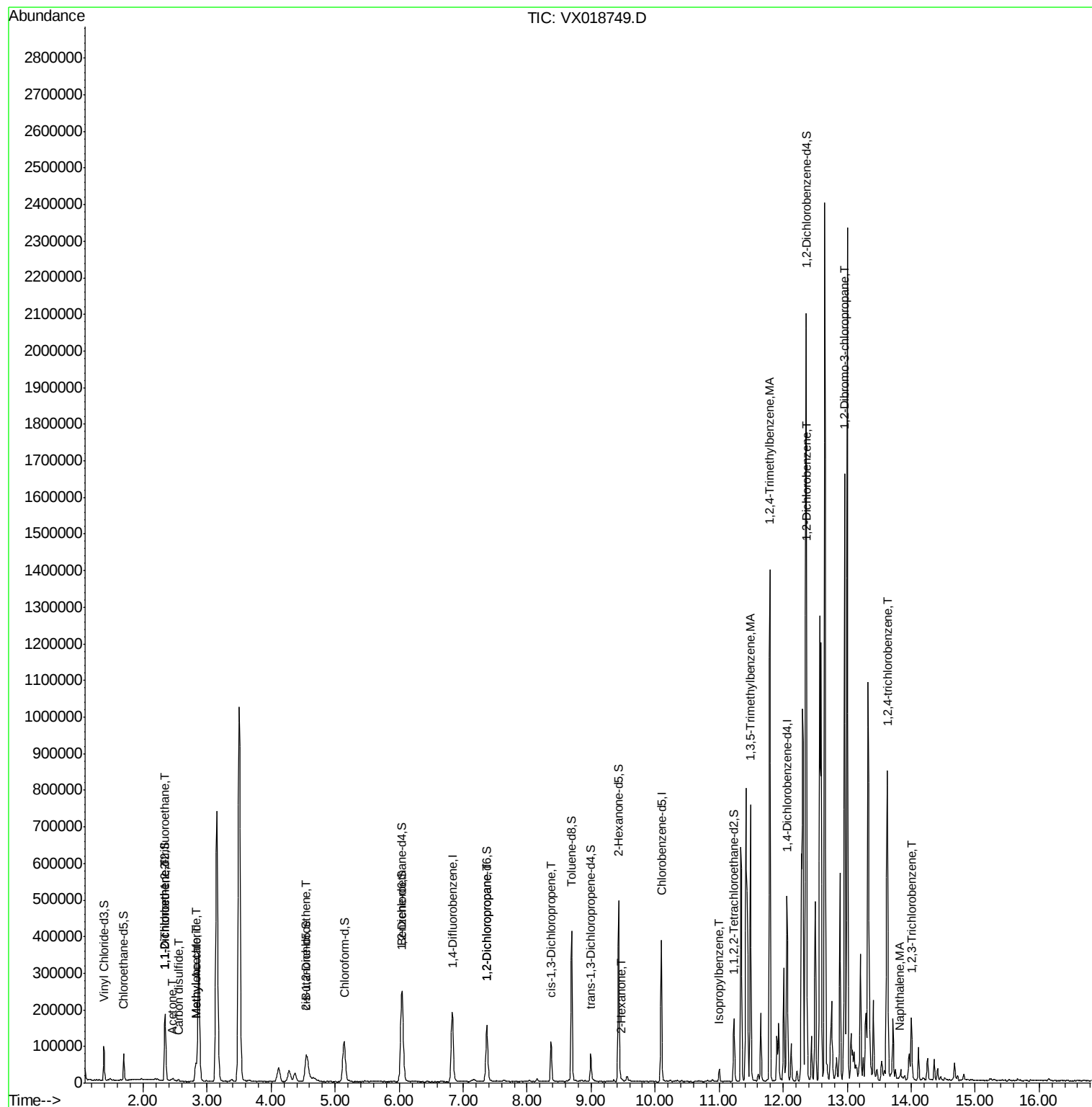
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	14.01	180	37433	2.919	ug/L	95

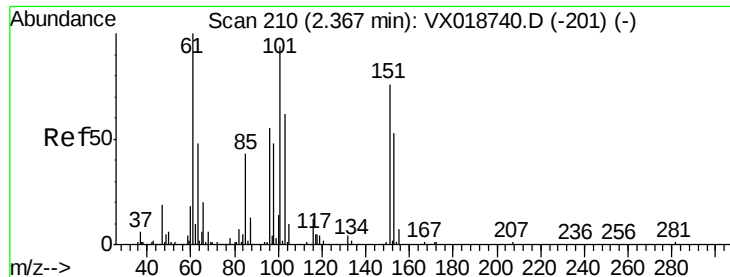
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100220\
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Quant Method : Z:\V0ASRV\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





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.115 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.02 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL 5X

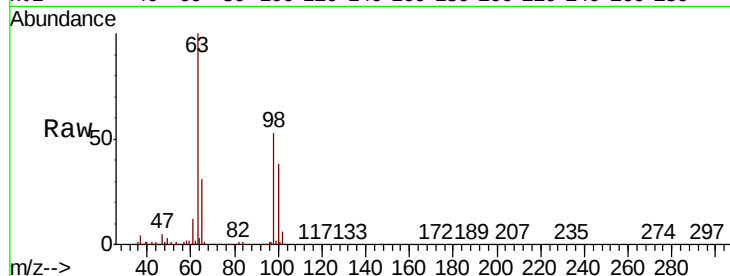
Tot Ion:101 Resp: 1151

Ion Ratio Lower Upper

101 100

85 1.7 37.1 55.7#

151 0.0 65.0 97.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V

800

600

400

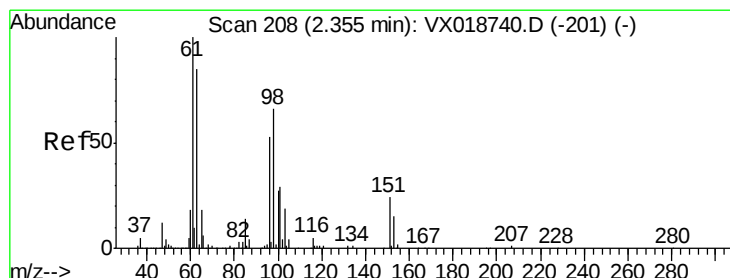
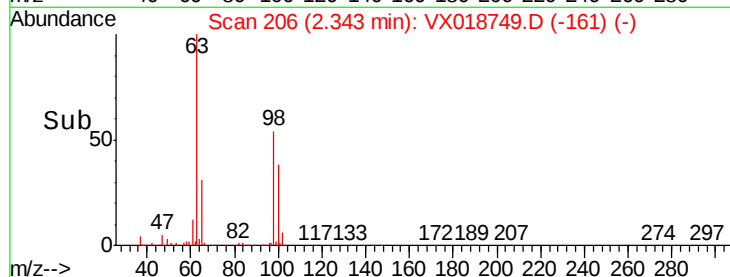
200

0

2.30 2.35 2.40

2.34

Time-->



#12

1,1-Dichloroethene

Concen: 0.141 ug/L

RT: 2.34 min Scan# 206

Delta R.T. -0.01 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

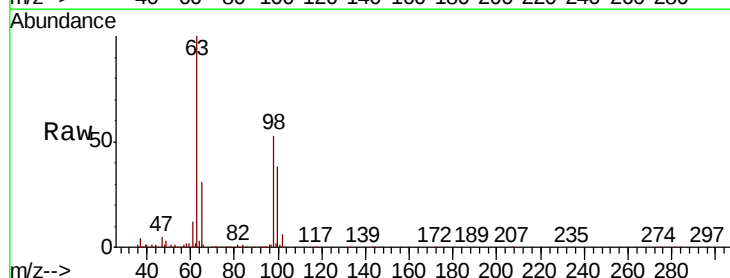
Tgt Ion: 96 Resp: 1255

Ion Ratio Lower Upper

96 100

61 1432.8 133.2 247.4#

63 11610.5 115.1 213.7#



Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 63.00 (62.70 to 63.70): VX0

80000

60000

40000

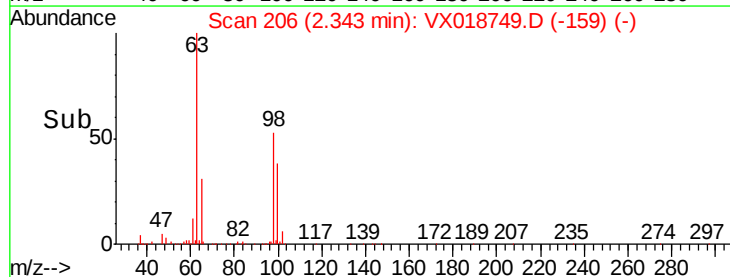
20000

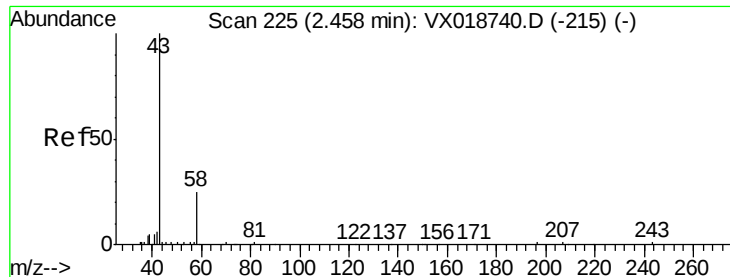
0

2.25 2.30 2.35 2.40

2.34

Time-->





#13

Acetone

Concen: 10.560 ug/L

RT: 2.45 min Scan# 224

Delta R.T. -0.01 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

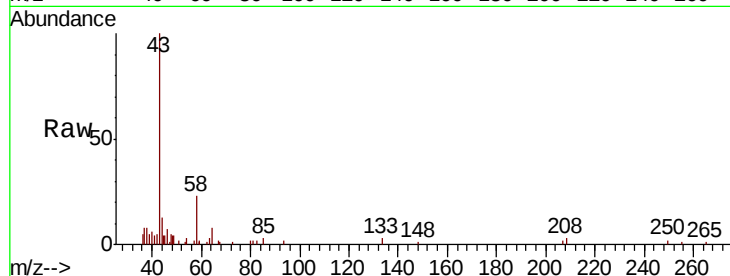
BG3T9DL 5X

Tot Ion: 43 Resp: 15759

Ion Ratio Lower Upper

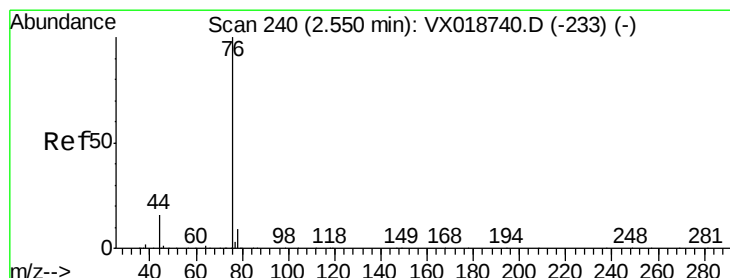
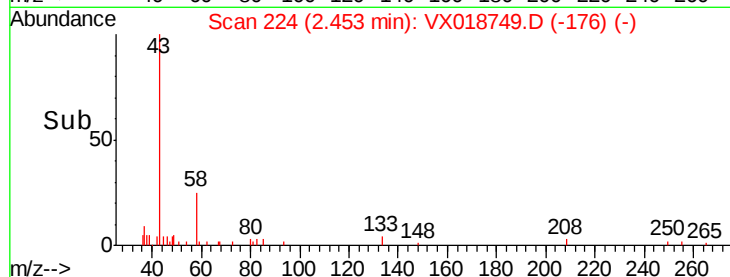
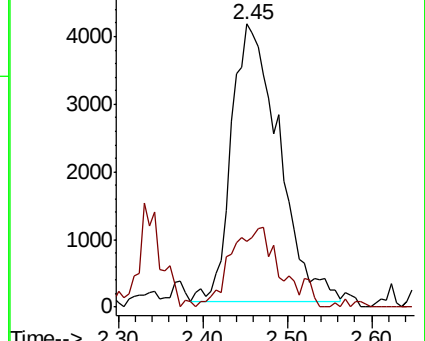
43 100

58 28.2 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0



#14

Carbon disulfide

Concen: 0.244 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018749.D

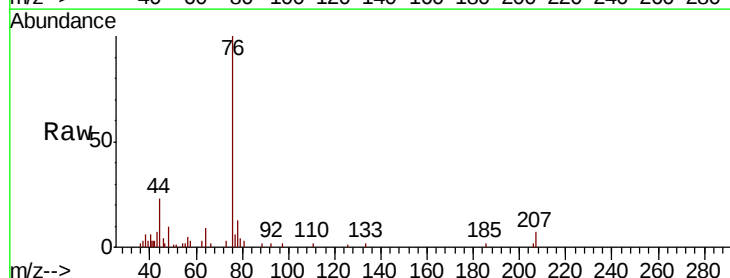
Acq: 02 Oct 2020 15:51

Tgt Ion: 76 Resp: 6776

Ion Ratio Lower Upper

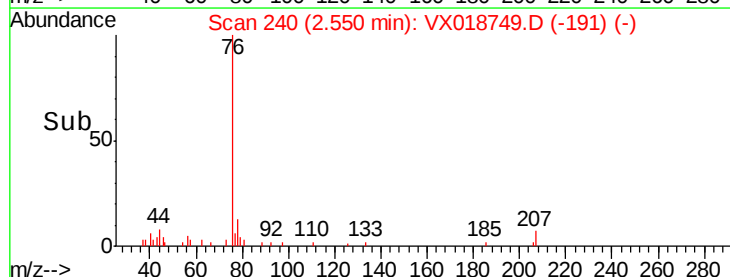
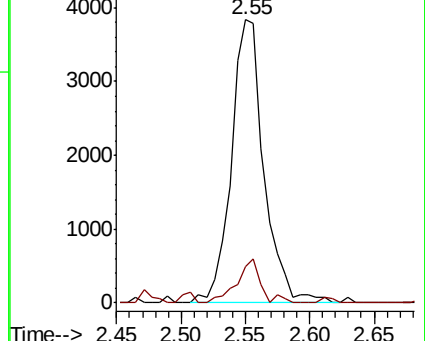
76 100

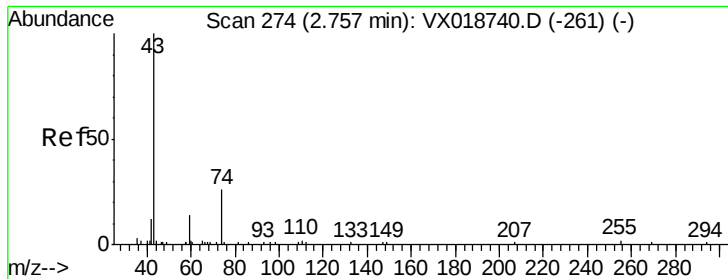
78 12.8 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0





#15

Methyl Acetate

Concen: 6.924 ug/L

RT: 2.82 min Scan# 285

Delta R.T. 0.07 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Instrument :

MSVOA_X

ClientSampled :

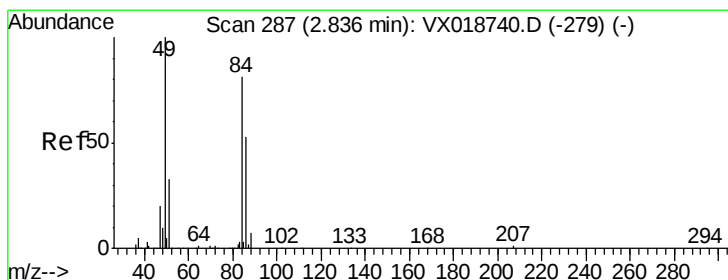
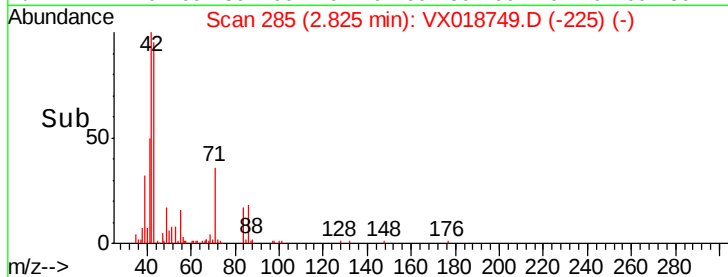
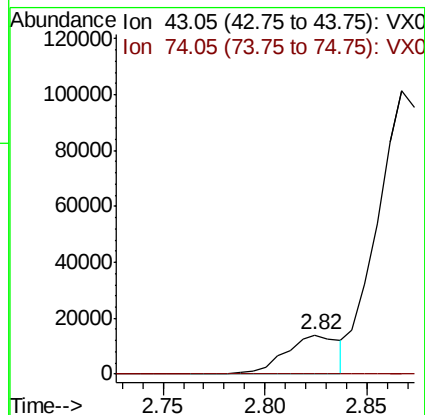
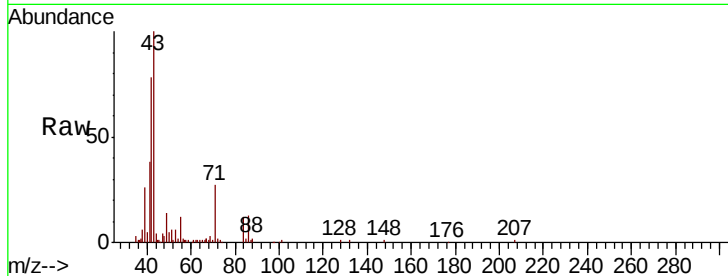
BG3T9DL 5X

Tot Ion: 43 Resp: 25397

Ion Ratio Lower Upper

43 100

74 0.2 21.9 32.9#



#16

Methylene chloride

Concen: 0.501 ug/L

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

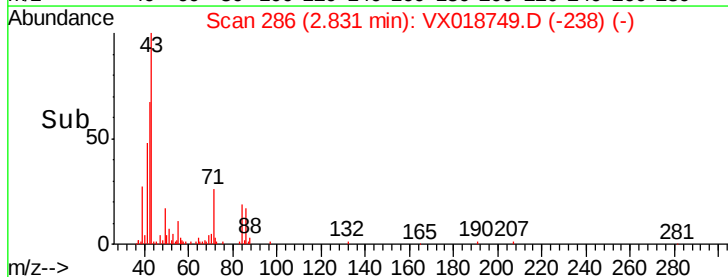
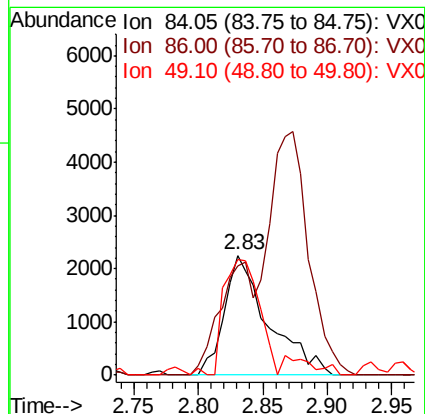
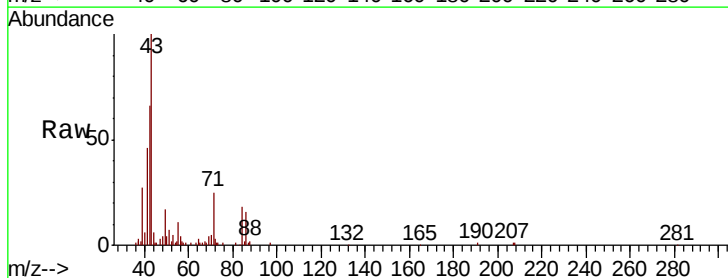
Tgt Ion: 84 Resp: 5403

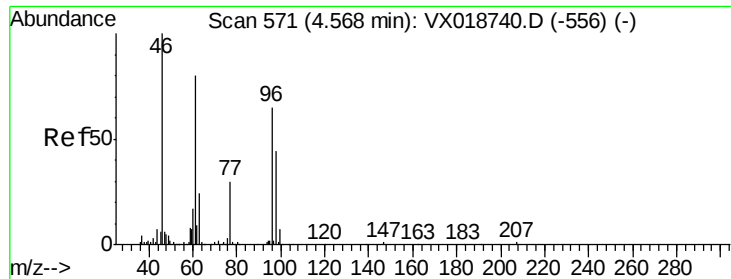
Ion Ratio Lower Upper

84 100

86 91.0 45.6 84.8#

49 119.7 85.8 159.3





#22

cis-1,2-Dichloroethene

Concen: 0.054 ug/L

RT: 4.54 min Scan# 567

Delta R.T. -0.02 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL 5X

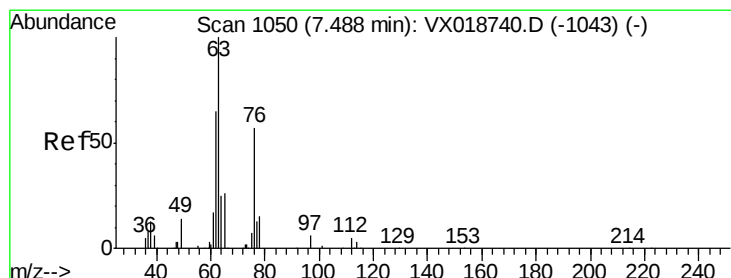
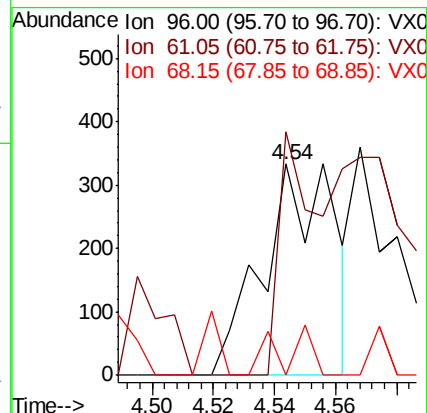
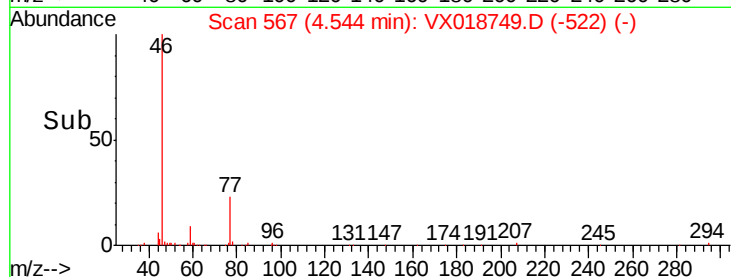
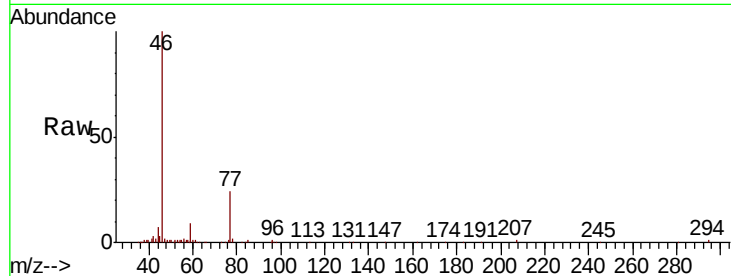
Tot Ion: 96 Resp: 532

Ion Ratio Lower Upper

96 100

61 115.3 86.2 160.0

68 0.0 0.3 0.7#



#37

1,2-Dichloropropane

Concen: 1.138 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VX018749.D

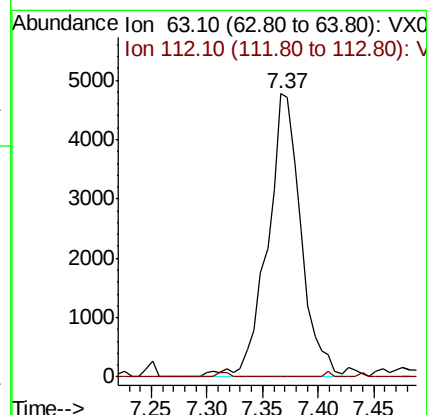
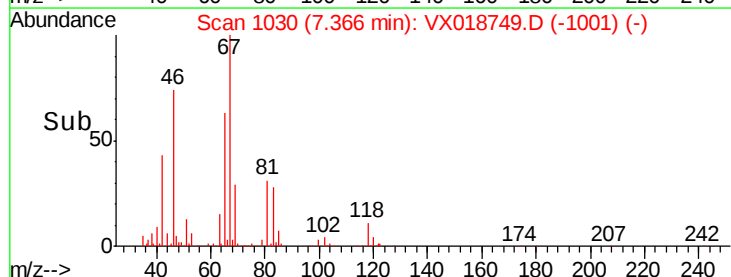
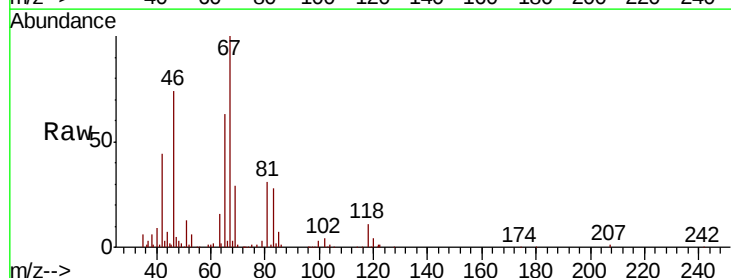
Acq: 02 Oct 2020 15:51

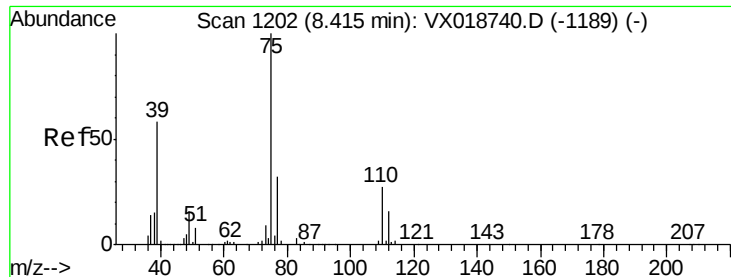
Tgt Ion: 63 Resp: 9979

Ion Ratio Lower Upper

63 100

112 0.4 4.7 7.1#



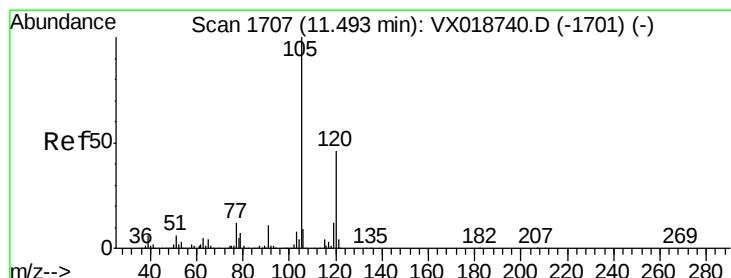
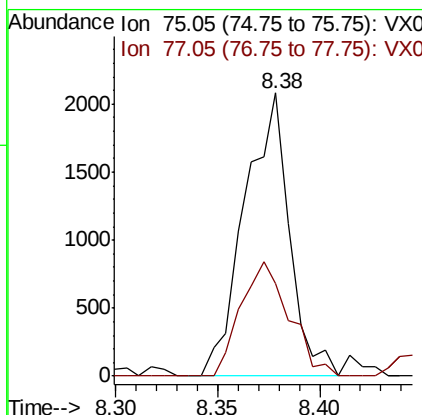
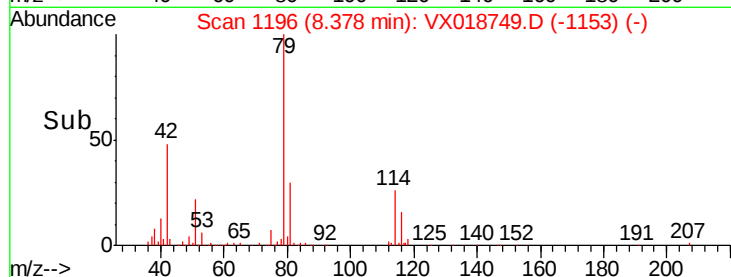
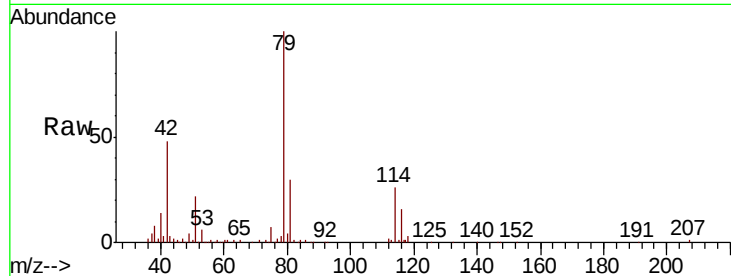


#39

cis-1,3-Dichloropropene
Concen: 0.227 ug/L
RT: 8.38 min Scan# 1196
Delta R.T. -0.04 min
Lab File: VX018749.D
Acq: 02 Oct 2020 15:51

Instrument :
MSVOA_X
ClientSampleId :
BG3T9DL 5X

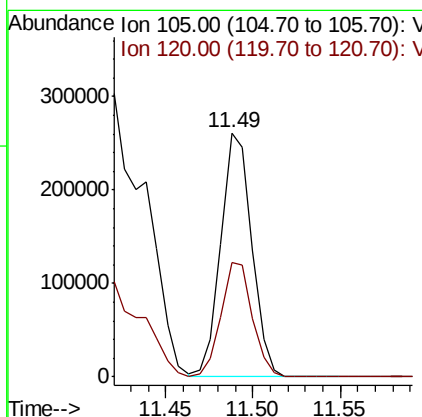
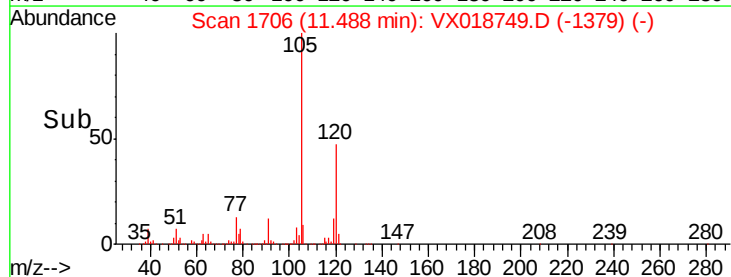
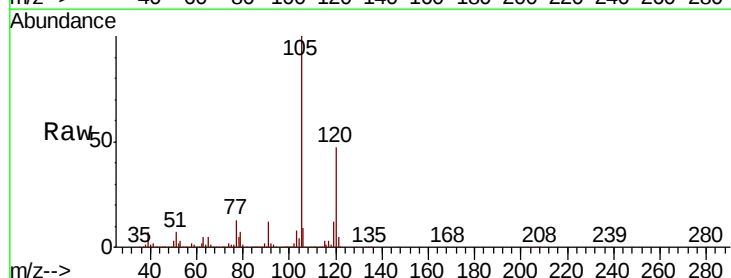
Tot Ion: 75 Resp: 3183
Ion Ratio Lower Upper
75 100
77 32.9 22.5 41.7

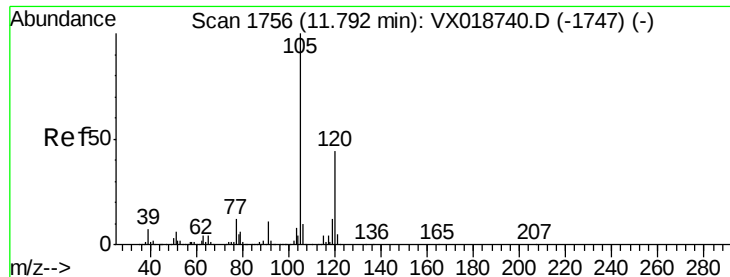


#43

1,3,5-Trimethylbenzene
Concen: 8.868 ug/L
RT: 11.49 min Scan# 1706
Delta R.T. -0.01 min
Lab File: VX018749.D
Acq: 02 Oct 2020 15:51

Tgt Ion: 105 Resp: 321375
Ion Ratio Lower Upper
105 100
120 47.6 37.7 56.5





#44

1,2,4-Trimethylbenzene

Concen: 15.653 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Instrument :

MSVOA_X

ClientSampled :

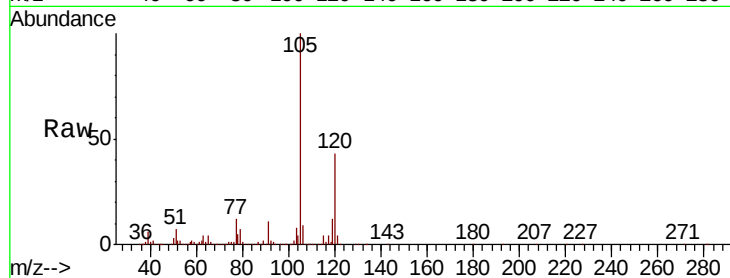
BG3T9DL 5X

Tot Ion:105 Resp: 575768

Ion Ratio Lower Upper

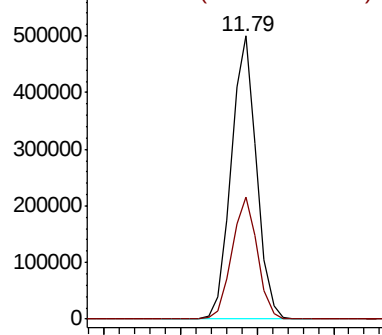
105 100

120 43.7 35.1 52.7

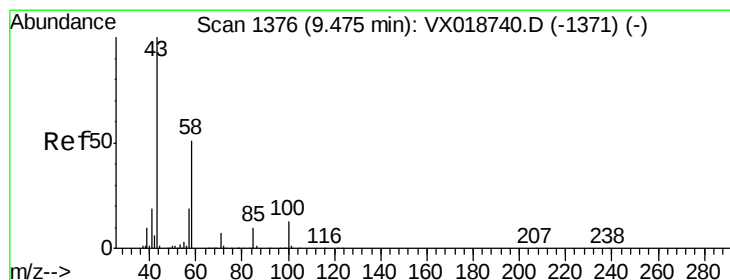
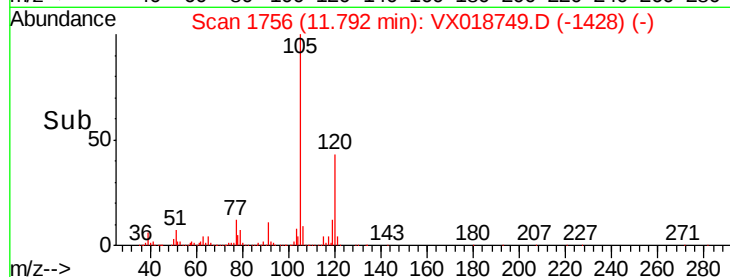


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.70 11.75 11.80 11.85



#50

2-Hexanone

Concen: 0.976 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Tgt Ion: 43 Resp: 3599

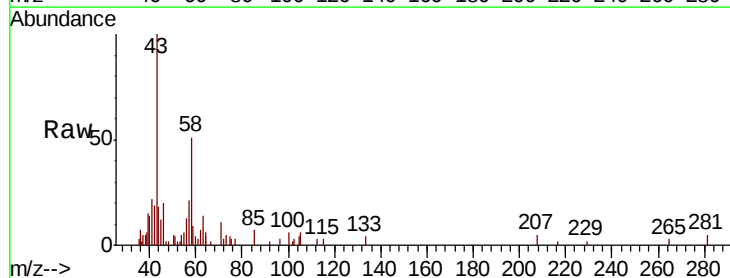
Ion Ratio Lower Upper

43 100

58 58.8 41.0 61.4

57 29.3 15.9 23.9#

100 9.7 10.1 15.1#

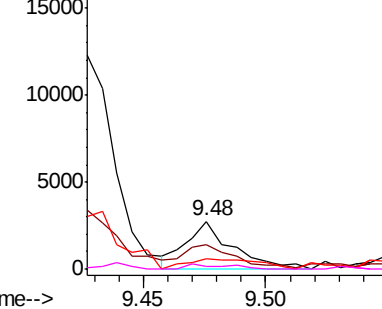


Abundance Ion 43.05 (42.75 to 43.75): VX0

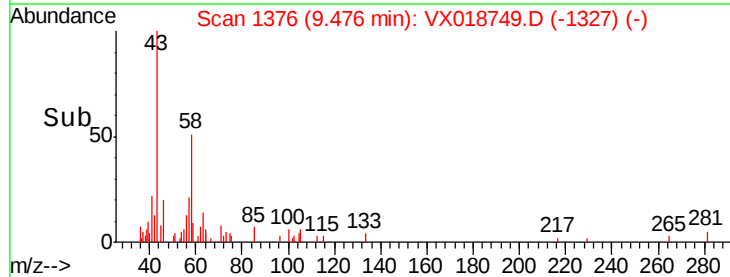
Ion 58.05 (57.75 to 58.75): VX0

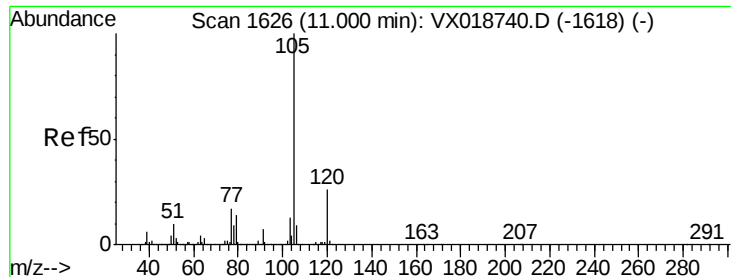
Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0



Time--> 9.45 9.50





#58

Isopropylbenzene

Concen: 0.367 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL 5X

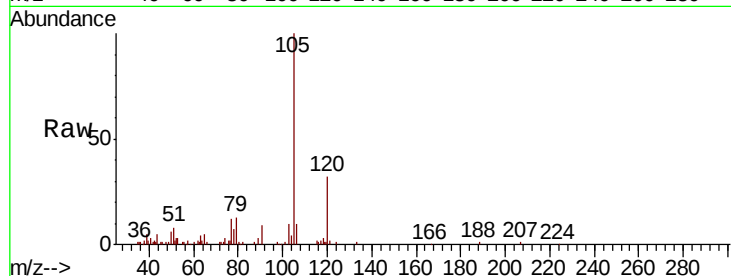
Tot Ion:105 Resp: 15882

Ion Ratio Lower Upper

105 100

120 28.0 20.2 30.2

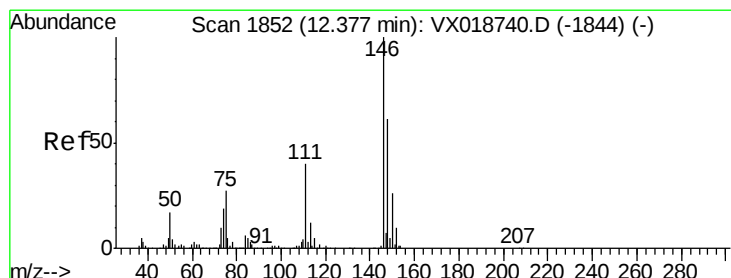
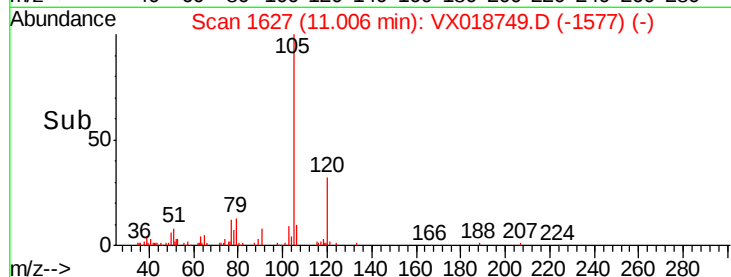
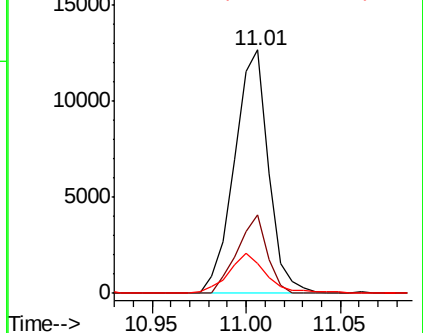
77 18.6 13.3 19.9



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



#66

1,2-Dichlorobenzene

Concen: 0.059 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

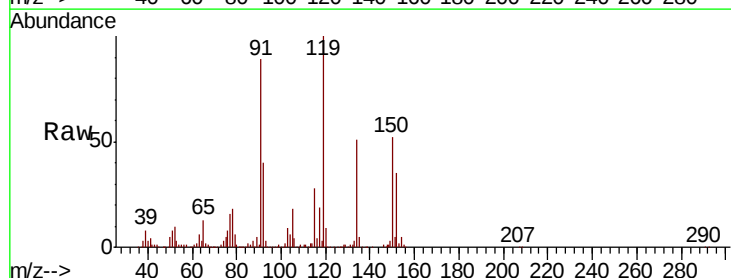
Tgt Ion:146 Resp: 1238

Ion Ratio Lower Upper

146 100

111 81.8 31.7 47.5#

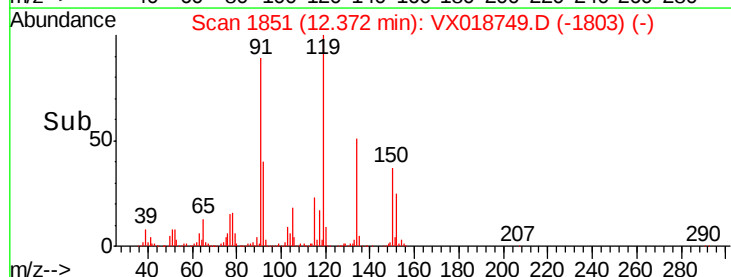
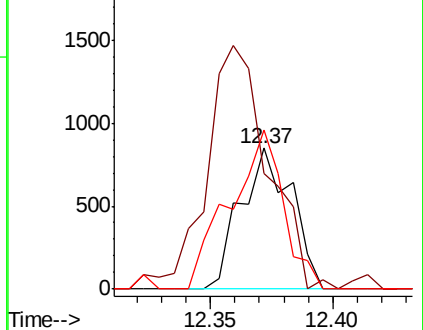
148 113.1 49.0 73.6#

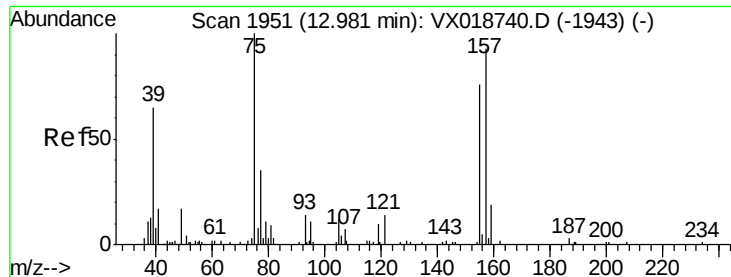


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 3.812 ug/L

RT: 12.96 min Scan# 1948

Delta R.T. -0.02 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

Instrument :

MSVOA_X

ClientSampleId :

BG3T9DL 5X

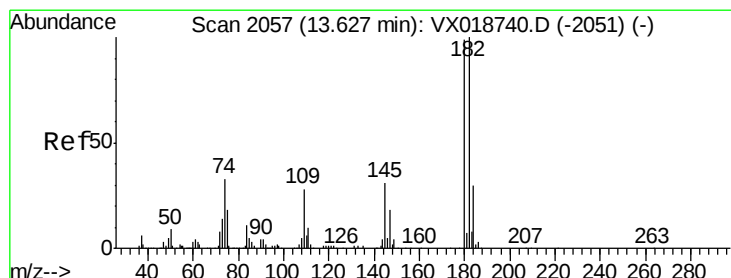
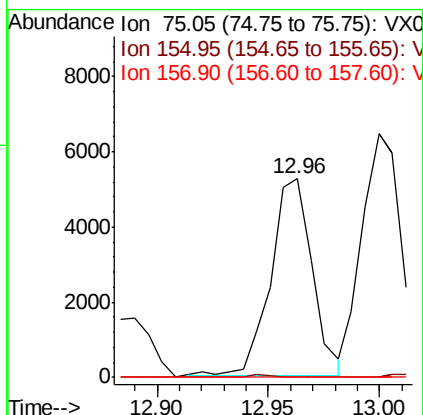
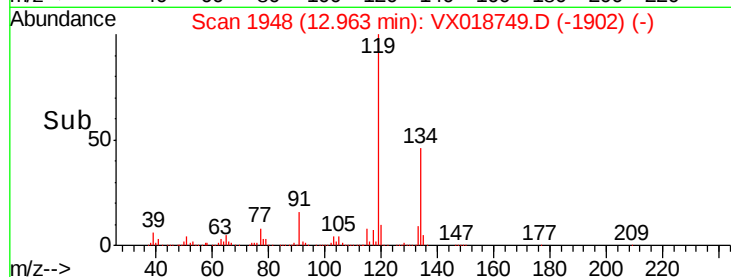
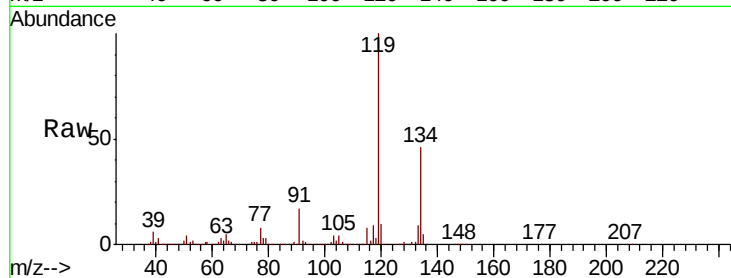
Tot Ion: 75 Resp: 6765

Ion Ratio Lower Upper

75 100

155 0.0 61.1 91.7#

157 0.0 74.2 111.2#



#69

1,2,4-trichlorobenzene

Concen: 10.907 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018749.D

Acq: 02 Oct 2020 15:51

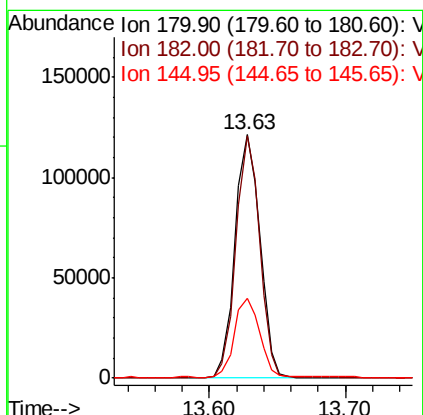
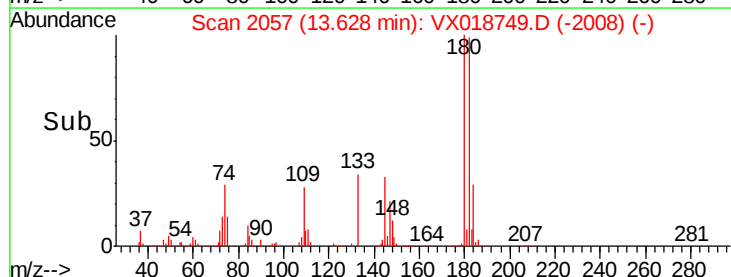
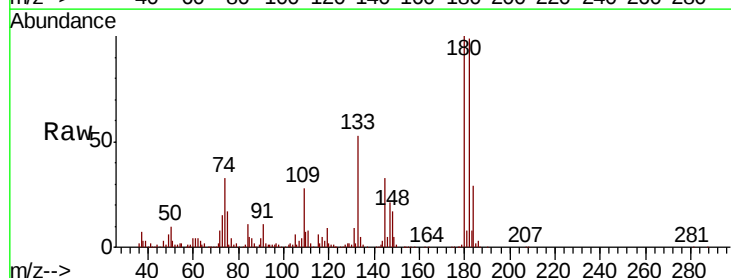
Tgt Ion:180 Resp: 155434

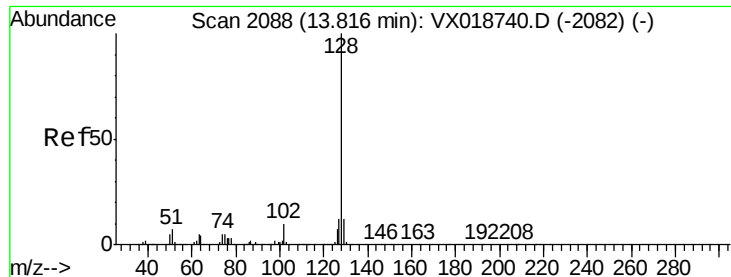
Ion Ratio Lower Upper

180 100

182 94.1 80.2 120.4

145 34.9 25.2 37.8

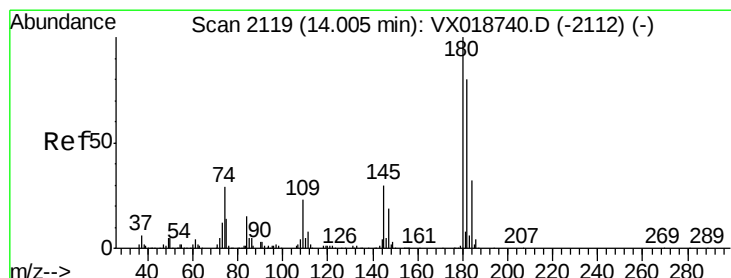
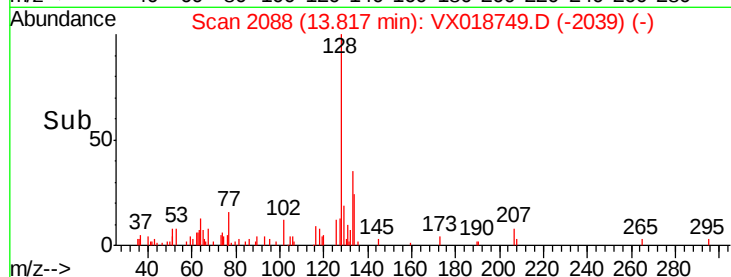
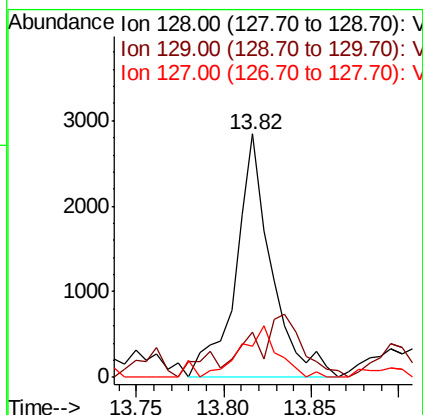
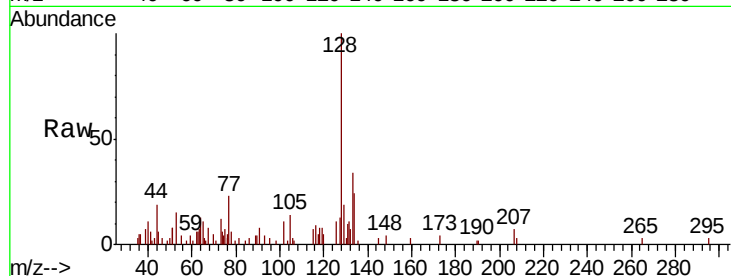




#70
Naphthalene
Concen: 0.172 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018749.D
Acq: 02 Oct 2020 15:51

Instrument :
MSVOA_X
ClientSampleId :
BG3T9DL 5X

Tot Ion:128 Resp: 4007
Ion Ratio Lower Upper
128 100
129 35.5 9.0 13.4#
127 22.2 10.5 15.7#



#71
1,2,3-Trichlorobenzene
Concen: 2.919 ug/L
RT: 14.01 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VX018749.D
Acq: 02 Oct 2020 15:51

Tgt Ion:180 Resp: 37433
Ion Ratio Lower Upper
180 100
182 94.0 73.6 110.4
145 39.7 26.6 40.0

