

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018768.D
 Acq On : 05 Oct 2020 16:12
 Operator : JC/SP
 Sample : L4239-03DL2 400X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N2DL2

Quant Time: Oct 06 03:35:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 02:55:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	148057	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	139838	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	70213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46838	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.70	69	40714	6.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	120.40%
11) 1,1-Dichloroethene-d2	2.34	63	79610	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.57	46	157454	69.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.82%#
24) Chloroform-d	5.14	84	114077	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
26) 1,2-Dichloroethane-d4	6.03	65	64731	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	6.05	84	213238	6.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.80%
36) 1,2-Dichloropropane-d6	7.37	67	64102	6.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.60%
41) Toluene-d8	8.70	98	193741	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.20%
45) trans-1,3-Dichloropropene-	8.99	79	28693	5.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.20%
48) 2-Hexanone-d5	9.43	63	129451	71.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	142.92%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	51217	6.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	125.40%#
65) 1,2-Dichlorobenzene-d4	12.36	152	79995	6.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.60%#

Target Compounds

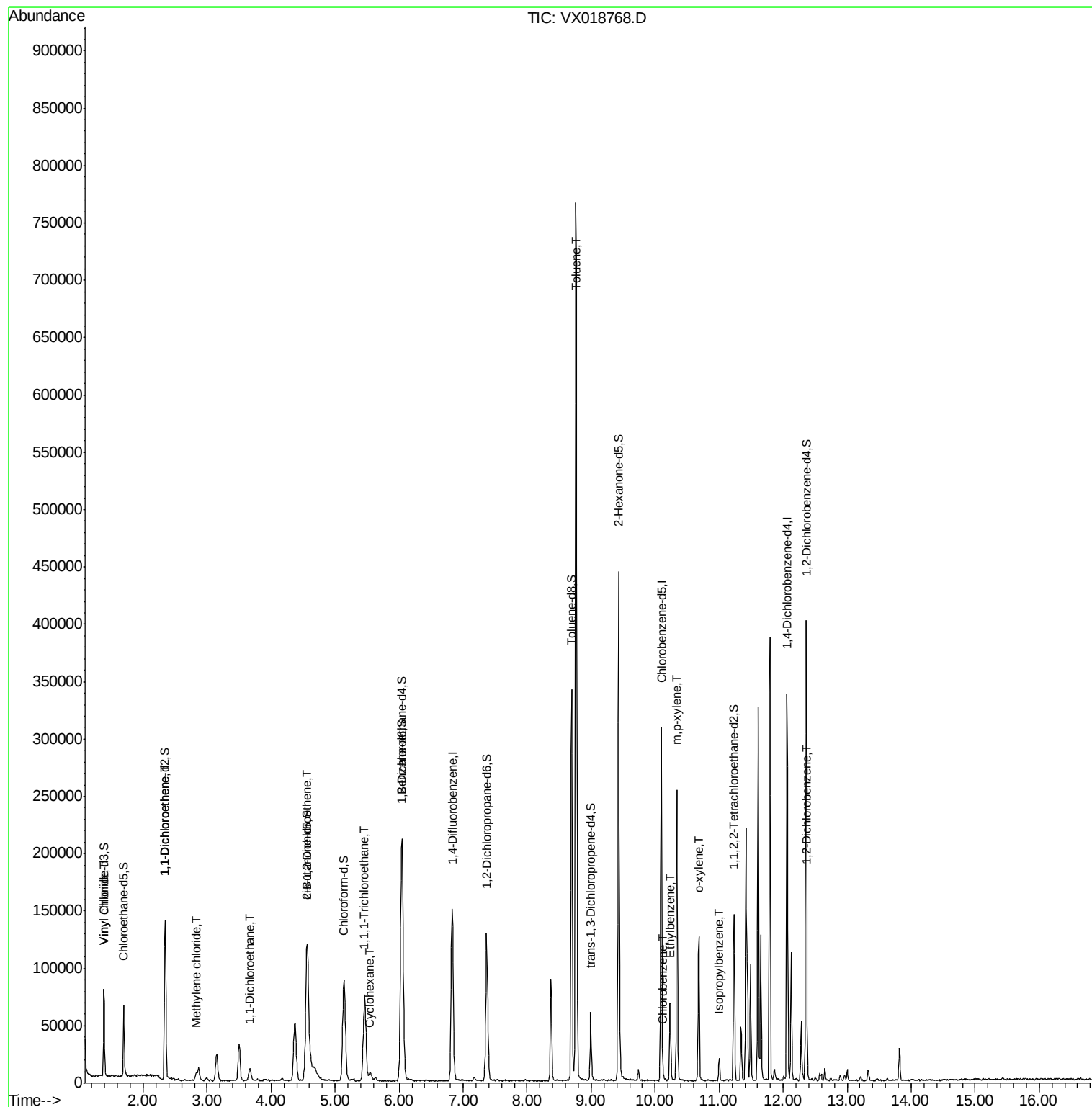
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.39	62	1320	0.165	ug/L #	23
12) 1,1-Dichloroethene	2.35	96	1540	0.209	ug/L #	1
16) Methylene chloride	2.83	84	2711	0.303	ug/L	97
19) 1,1-Dichloroethane	3.67	63	11220	0.799	ug/L	97
22) cis-1,2-Dichloroethene	4.56	96	43548	5.347	ug/L	91
29) 1,1,1-Trichloroethane	5.46	97	71037	4.294	ug/L	98
30) Cyclohexane	5.54	56	4575	0.399	ug/L	99
42) Toluene	8.76	91	488781	15.254	ug/L	95
53) Chlorobenzene	10.13	112	1498	0.068	ug/L	86
54) Ethylbenzene	10.24	91	39316	1.095	ug/L	97
55) m,p-xylene	10.34	106	57929	4.134	ug/L	97
56) o-xylene	10.68	106	28309	2.186	ug/L	90
58) Isopropylbenzene	11.00	105	9164	0.253	ug/L	95
66) 1,2-Dichlorobenzene	12.38	146	2452	0.154	ug/L #	86

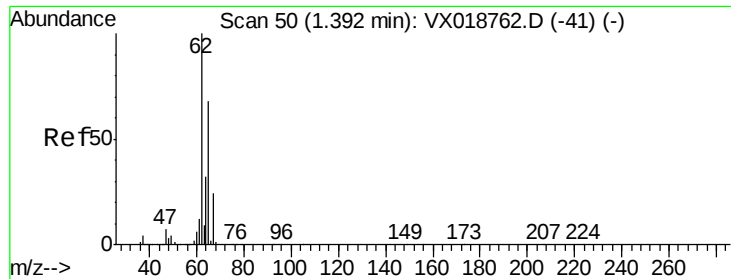
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
Data File : VX018768.D
Acq On : 05 Oct 2020 16:12
Operator : JC/SP
Sample : L4239-03DL2 400X
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BG3N2DL2

Quant Time: Oct 06 03:35:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 02:55:01 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.165 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX018768.D

Acq: 05 Oct 2020 16:12

Instrument :

MSVOA_X

ClientSampled :

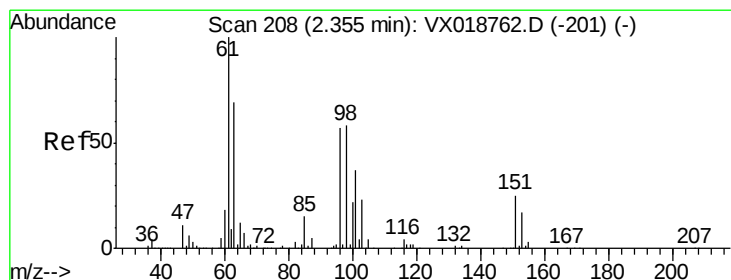
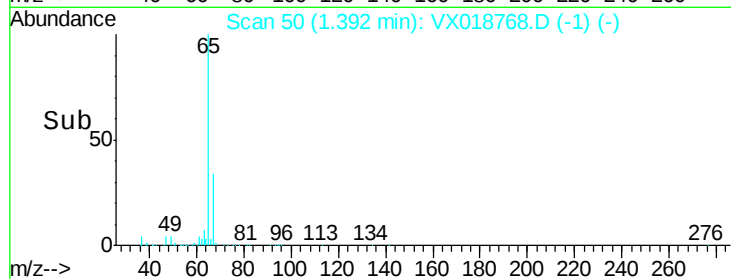
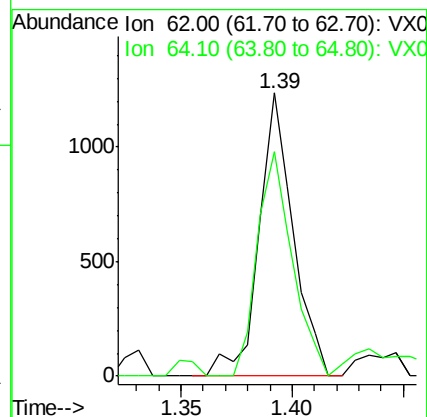
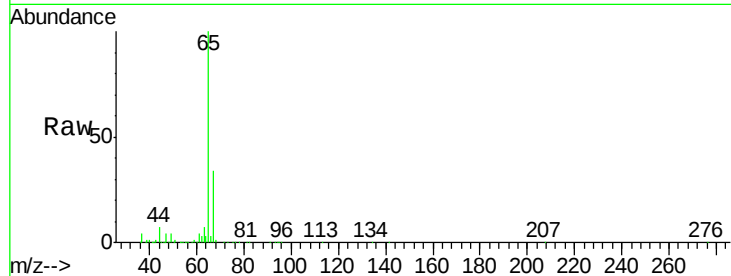
BG3N2DL2

Tot Ion: 62 Resp: 1320

Ion Ratio Lower Upper

62 100

64 79.1 24.3 45.1#



#12

1,1-Dichloroethene

Concen: 0.209 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX018768.D

Acq: 05 Oct 2020 16:12

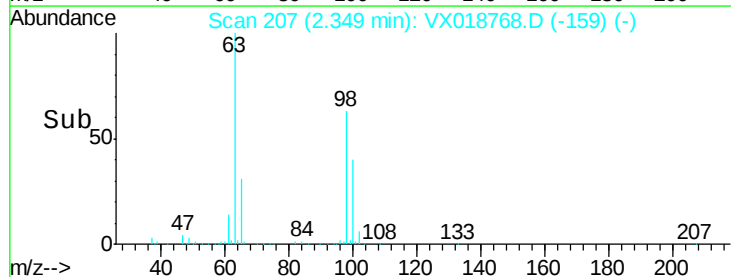
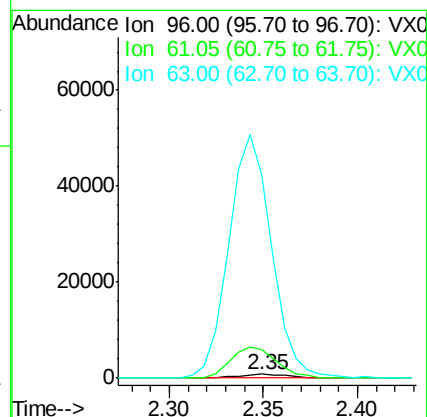
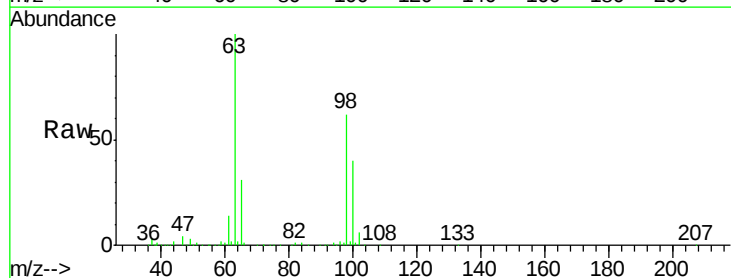
Tgt Ion: 96 Resp: 1540

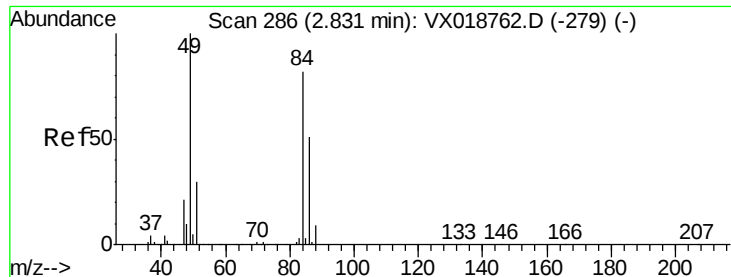
Ion Ratio Lower Upper

96 100

61 668.6 133.2 247.4#

63 4844.8 115.1 213.7#

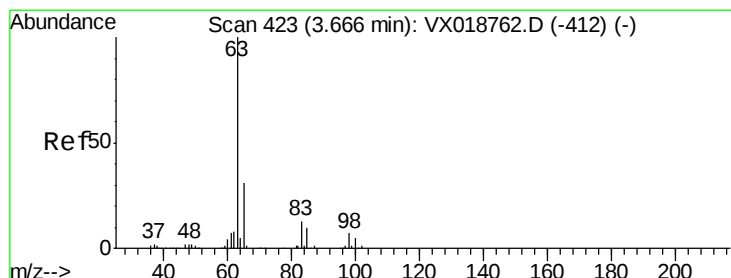
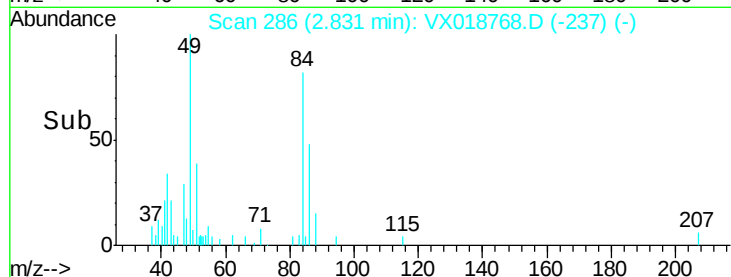
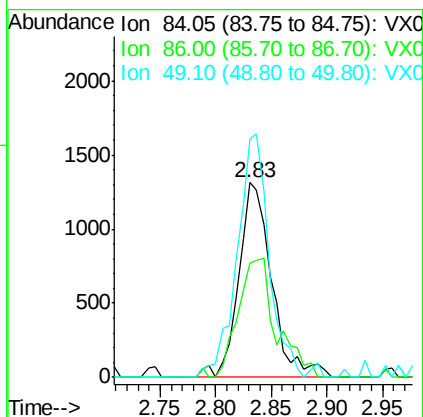
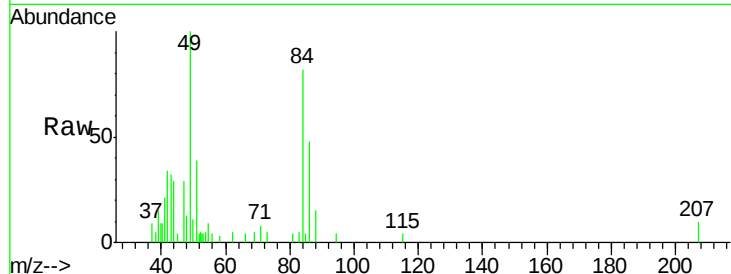




#16
Methvlene chloride
Concen: 0.303 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX018768.D
Acq: 05 Oct 2020 16:12

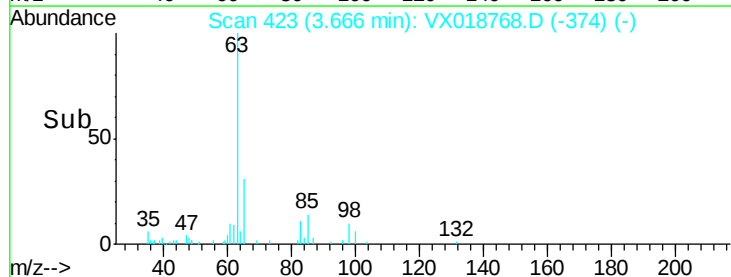
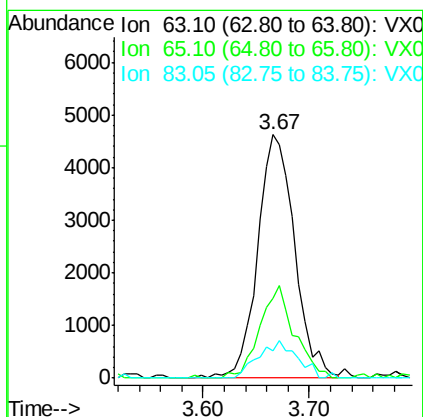
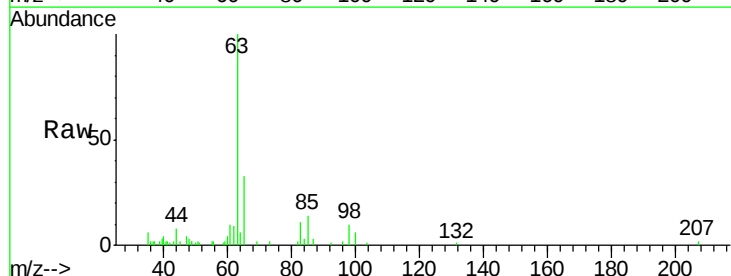
Instrument :
MSVOA_X
ClientSampleId :
BG3N2DL2

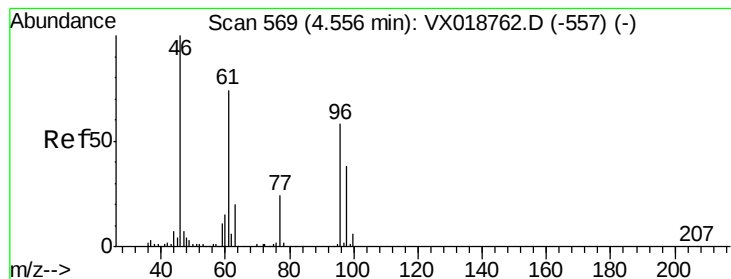
Tot Ion: 84 Resp: 2711
Ion Ratio Lower Upper
84 100
86 58.6 45.6 84.8
49 122.1 85.8 159.3



#19
1,1-Dichloroethane
Concen: 0.799 ug/L
RT: 3.67 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX018768.D
Acq: 05 Oct 2020 16:12

Tgt Ion: 63 Resp: 11220
Ion Ratio Lower Upper
63 100
65 32.7 21.6 40.2
83 11.0 8.7 16.1



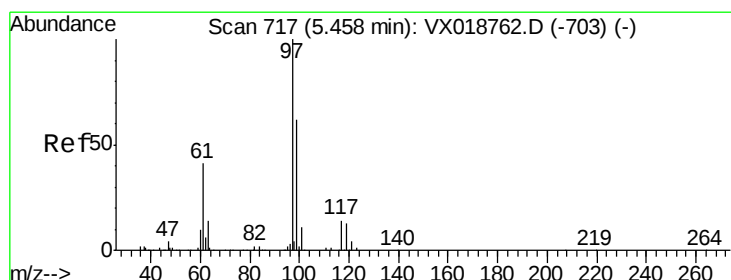
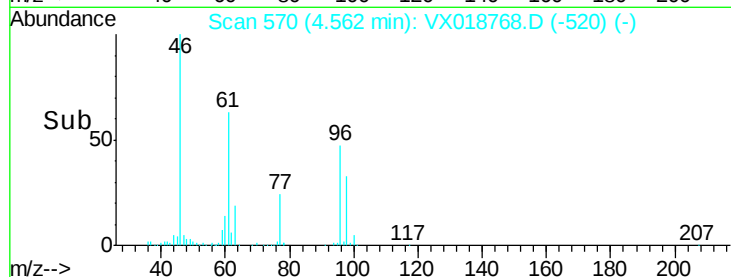
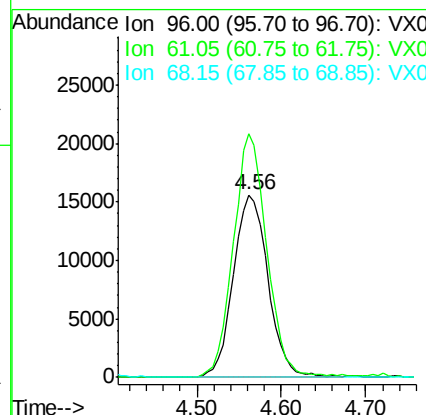
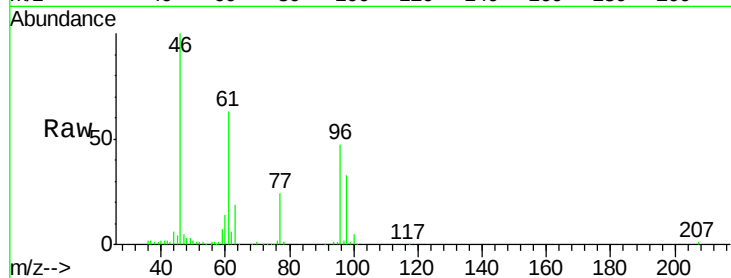


#22

cis-1,2-Dichloroethene
 Concen: 5.347 ug/L
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX018768.D
 Acq: 05 Oct 2020 16:12

Instrument :
 MSVOA_X
 ClientSampled :
 BG3N2DL2

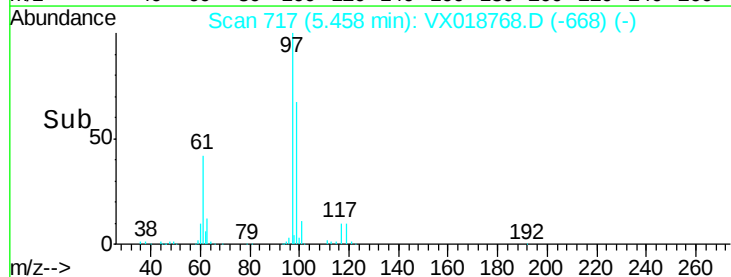
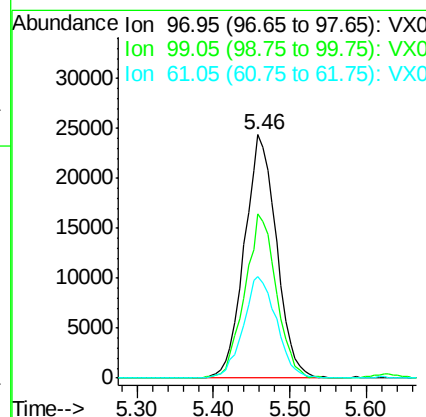
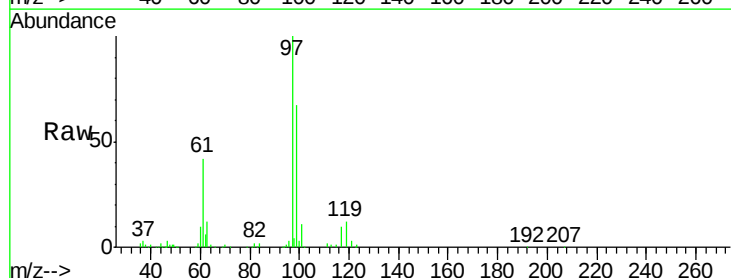
Tot Ion: 96 Resp: 43548
 Ion Ratio Lower Upper
 96 100
 61 133.6 86.2 160.0
 68 0.4 0.3 0.7

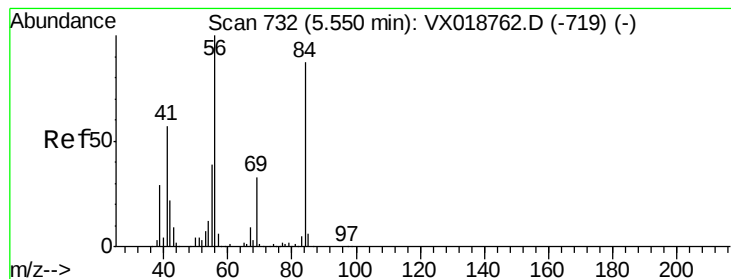


#29

1,1,1-Trichloroethane
 Concen: 4.294 ug/L
 RT: 5.46 min Scan# 717
 Delta R.T. -0.00 min
 Lab File: VX018768.D
 Acq: 05 Oct 2020 16:12

Tgt Ion: 97 Resp: 71037
 Ion Ratio Lower Upper
 97 100
 99 66.1 51.3 76.9
 61 43.1 33.3 49.9





#30

Cyclohexane

Concen: 0.399 ug/L

RT: 5.54 min Scan# 730

Delta R.T. -0.01 min

Lab File: VX018768.D

Acq: 05 Oct 2020 16:12

Instrument :

MSVOA_X

ClientSampleId :

BG3N2DL2

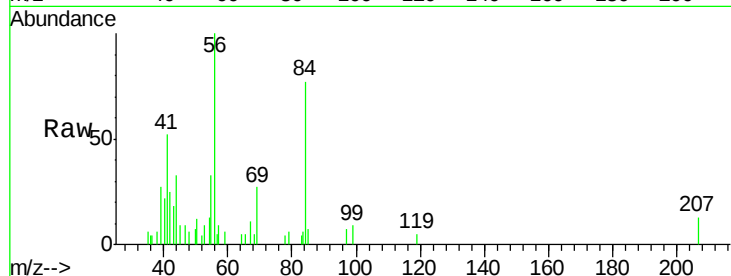
Tot Ion: 56 Resp: 4575

Ion Ratio Lower Upper

56 100

69 32.9 26.0 39.0

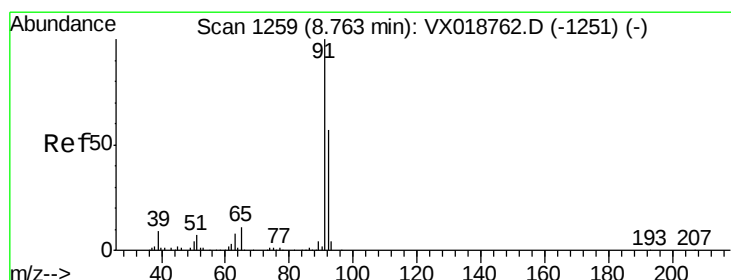
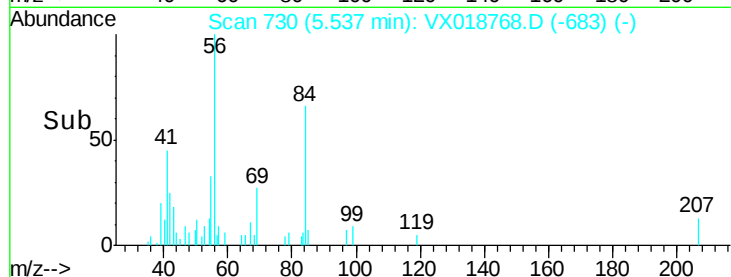
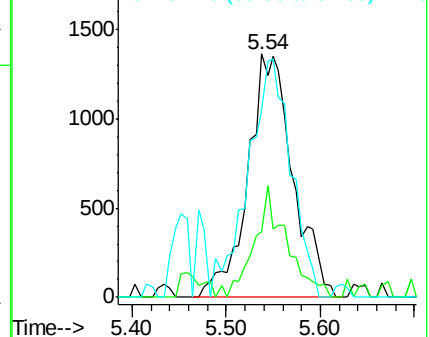
84 93.4 73.8 110.6



Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0



#42

Toluene

Concen: 15.254 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX018768.D

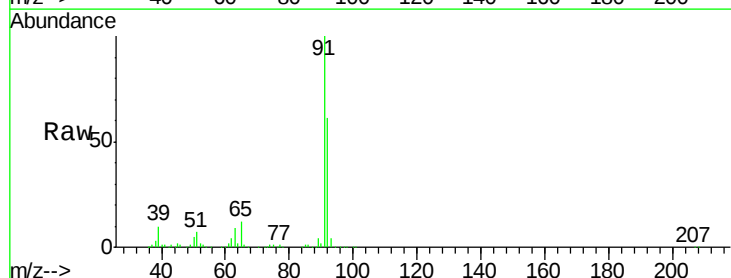
Acq: 05 Oct 2020 16:12

Tgt Ion: 91 Resp: 488781

Ion Ratio Lower Upper

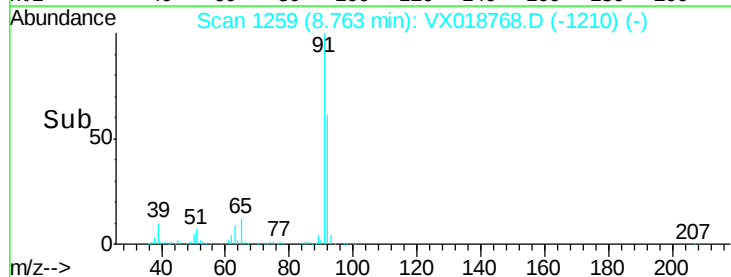
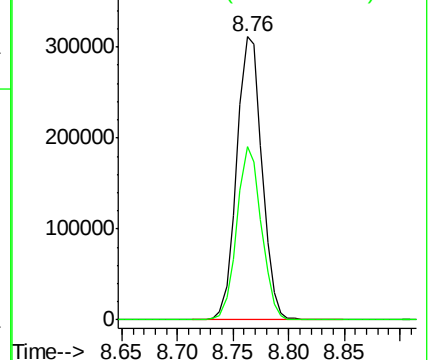
91 100

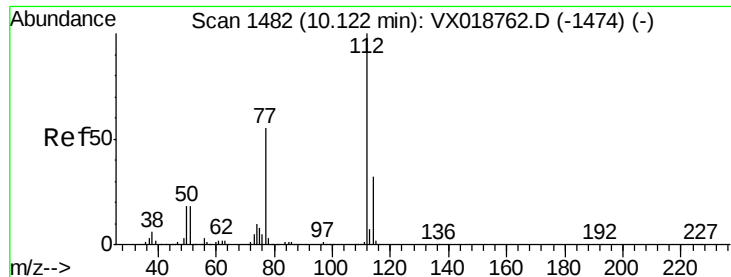
92 61.3 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 92.15 (91.85 to 92.85): VX0





#53

Chlorobenzene

Concen: 0.068 ug/L

RT: 10.13 min Scan# 1483

Delta R.T. 0.01 min

Lab File: VX018768.D

Acq: 05 Oct 2020 16:12

Instrument :

MSVOA_X

ClientSampled :

BG3N2DL2

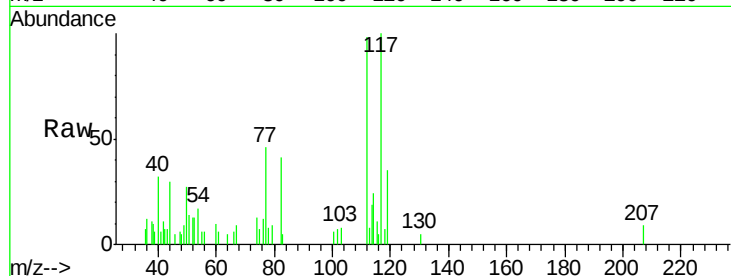
Tot Ion: 112 Resp: 1498

Ion Ratio Lower Upper

112 100

114 22.8 21.3 39.5

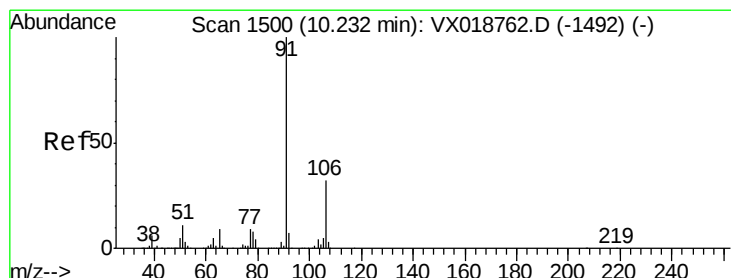
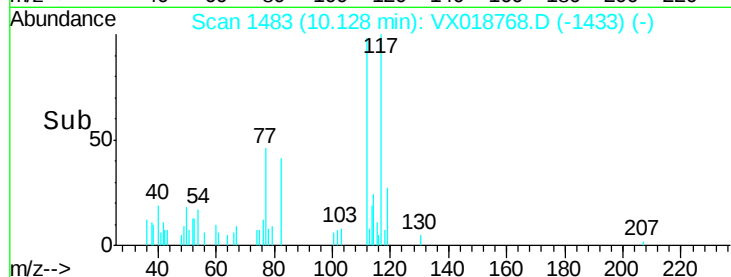
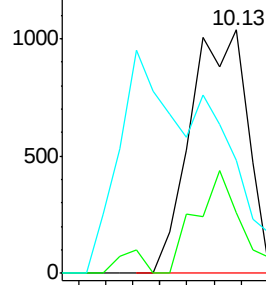
77 42.8 42.4 63.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0



#54

Ethylbenzene

Concen: 1.095 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018768.D

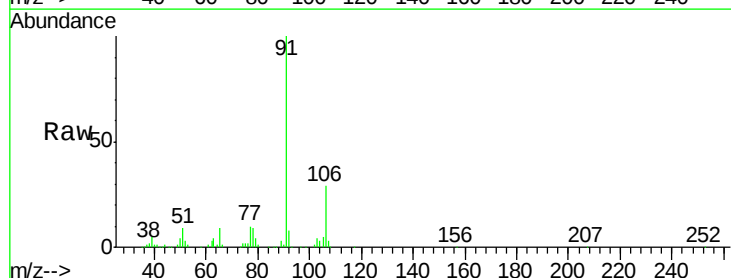
Acq: 05 Oct 2020 16:12

Tgt Ion: 91 Resp: 39316

Ion Ratio Lower Upper

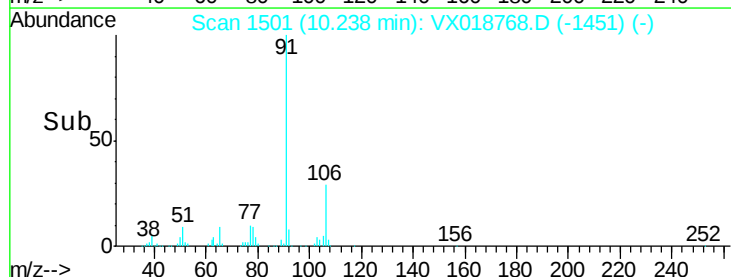
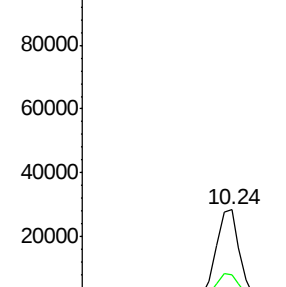
91 100

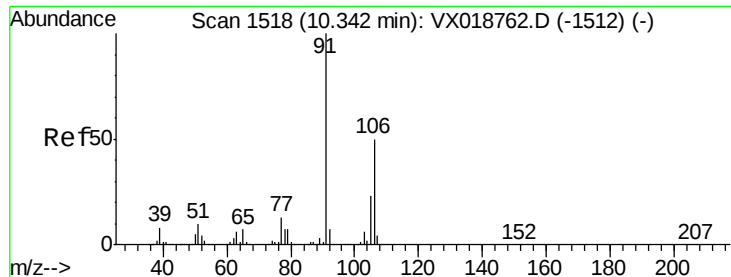
106 29.2 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 4.134 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018768.D

Acq: 05 Oct 2020 16:12

Instrument :

MSVOA_X

ClientSampled :

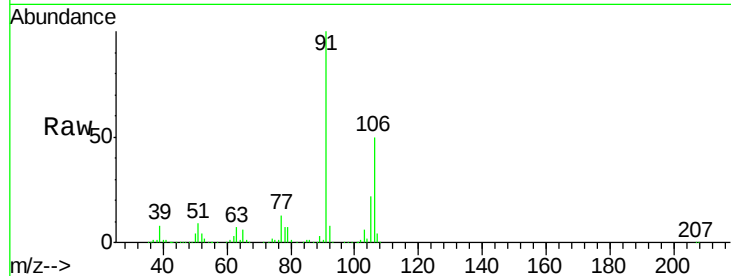
BG3N2DL2

Tot Ion:106 Resp: 57929

Ion Ratio Lower Upper

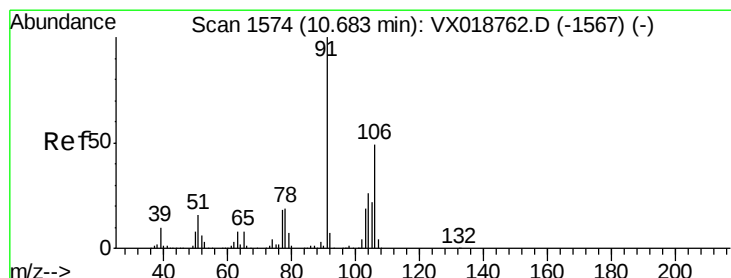
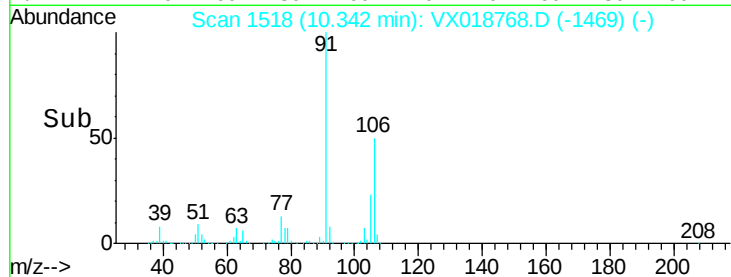
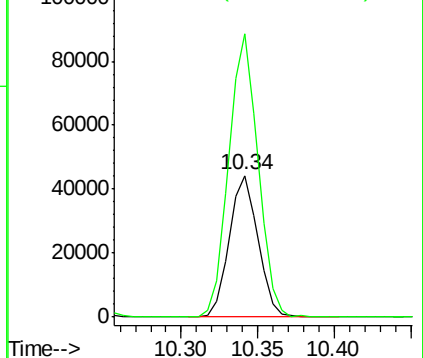
106 100

91 200.3 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 2.186 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018768.D

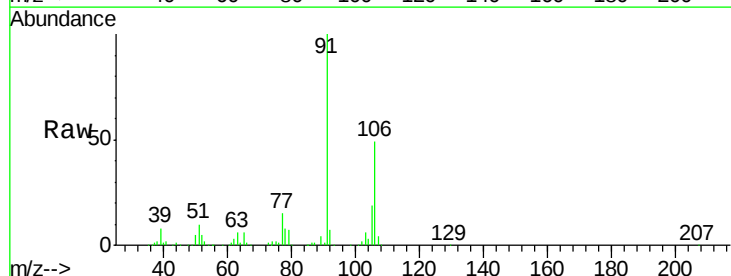
Acq: 05 Oct 2020 16:12

Tgt Ion:106 Resp: 28309

Ion Ratio Lower Upper

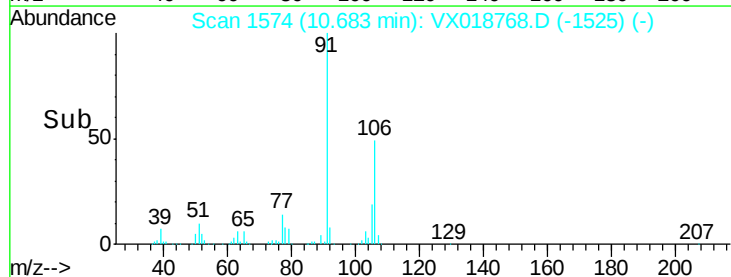
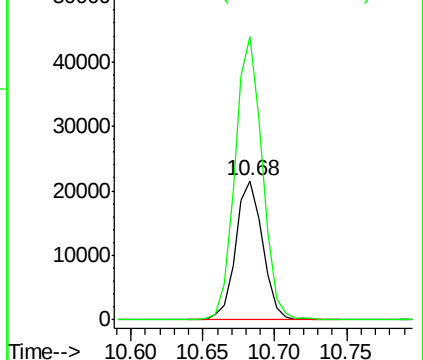
106 100

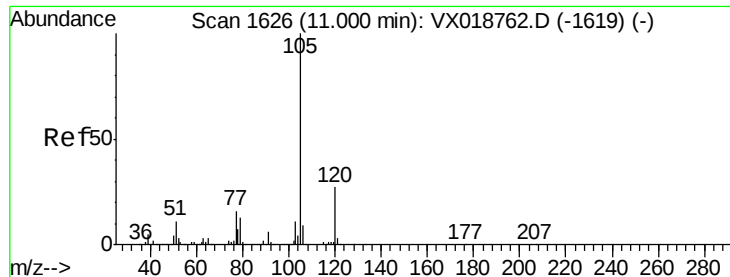
91 203.3 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.253 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018768.D

Acq: 05 Oct 2020 16:12

Instrument :

MSVOA_X

ClientSampleId :

BG3N2DL2

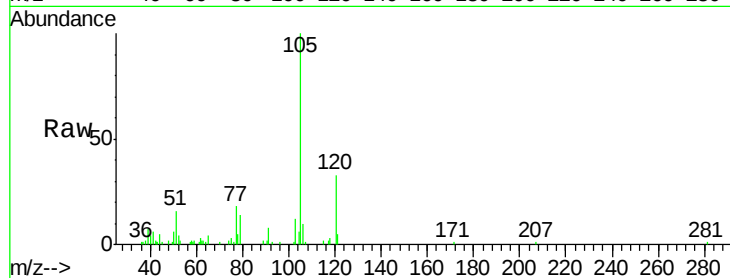
Tot Ion:105 Resp: 9164

Ion Ratio Lower Upper

105 100

120 29.5 20.2 30.2

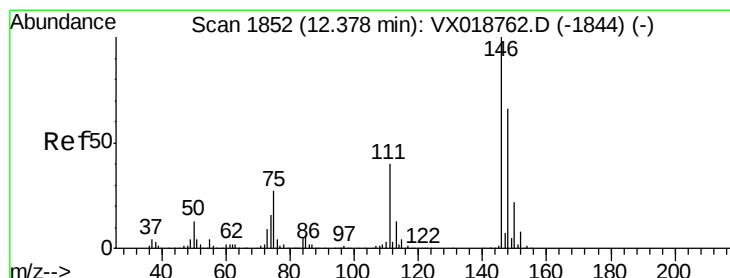
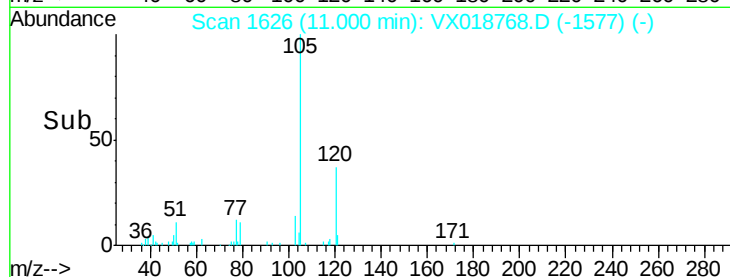
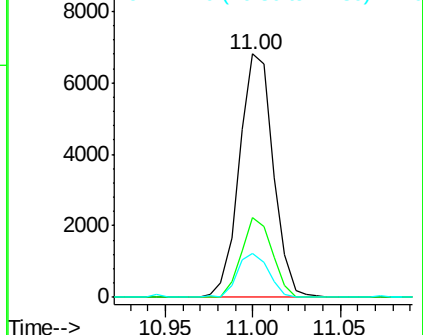
77 16.9 13.3 19.9



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: 0.154 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018768.D

Acq: 05 Oct 2020 16:12

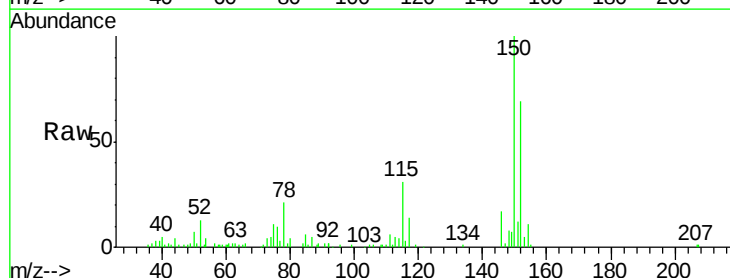
Tgt Ion:146 Resp: 2452

Ion Ratio Lower Upper

146 100

111 35.0 31.7 47.5

148 47.5 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

