

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018786.D
 Acq On : 06 Oct 2020 00:17
 Operator : JC/SP
 Sample : L4239-03DL2 400X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N2DL2

Quant Time: Oct 06 06:07:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 05:58:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	130032	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	123772	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	61461	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	38328	5.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.80%
7) Chloroethane-d5	1.70	69	33962	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.20%
11) 1,1-Dichloroethene-d2	2.34	63	67115	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	4.55	46	127876	64.18	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	128.36%
24) Chloroform-d	5.14	84	95172	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	6.03	65	54407	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	6.05	84	177063	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.20%
36) 1,2-Dichloropropane-d6	7.37	67	52460	5.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	118.00%
41) Toluene-d8	8.70	98	155935	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
45) trans-1,3-Dichloropropene-	8.99	79	23757	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
48) 2-Hexanone-d5	9.43	63	106226	66.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.50%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	41964	5.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	64611	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	569	0.090	ug/L #	41
5) Vinyl chloride	1.39	62	1131	0.161	ug/L #	30
6) Bromomethane	1.64	94	337	0.081	ug/L	88
12) 1,1-Dichloroethene	2.35	96	1488	0.230	ug/L #	1
15) Methyl Acetate	2.76	43	447	0.167	ug/L #	47
16) Methylene chloride	2.84	84	1804	0.230	ug/L	86
19) 1,1-Dichloroethane	3.67	63	10156	0.824	ug/L #	94
22) cis-1,2-Dichloroethene	4.56	96	38046	5.319	ug/L #	90
29) 1,1,1-Trichloroethane	5.46	97	61170	4.178	ug/L	98
30) Cyclohexane	5.54	56	3159	0.311	ug/L	95
35) Methylcyclohexane	7.37	83	13566	1.251	ug/L #	20
37) 1,2-Dichloropropane	7.37	63	6551	1.009	ug/L #	84
39) cis-1,3-Dichloropropene	8.37	75	1823	0.176	ug/L #	81
42) Toluene	8.76	91	419971	14.808	ug/L	99
43) 1,3,5-Trimethylbenzene	11.49	105	37329	1.391	ug/L	97
44) 1,2,4-Trimethylbenzene	11.79	105	144343	5.298	ug/L	96
53) Chlorobenzene	10.12	112	2097	0.108	ug/L #	71

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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 05:58:52 2020
Response via : Initial Calibration

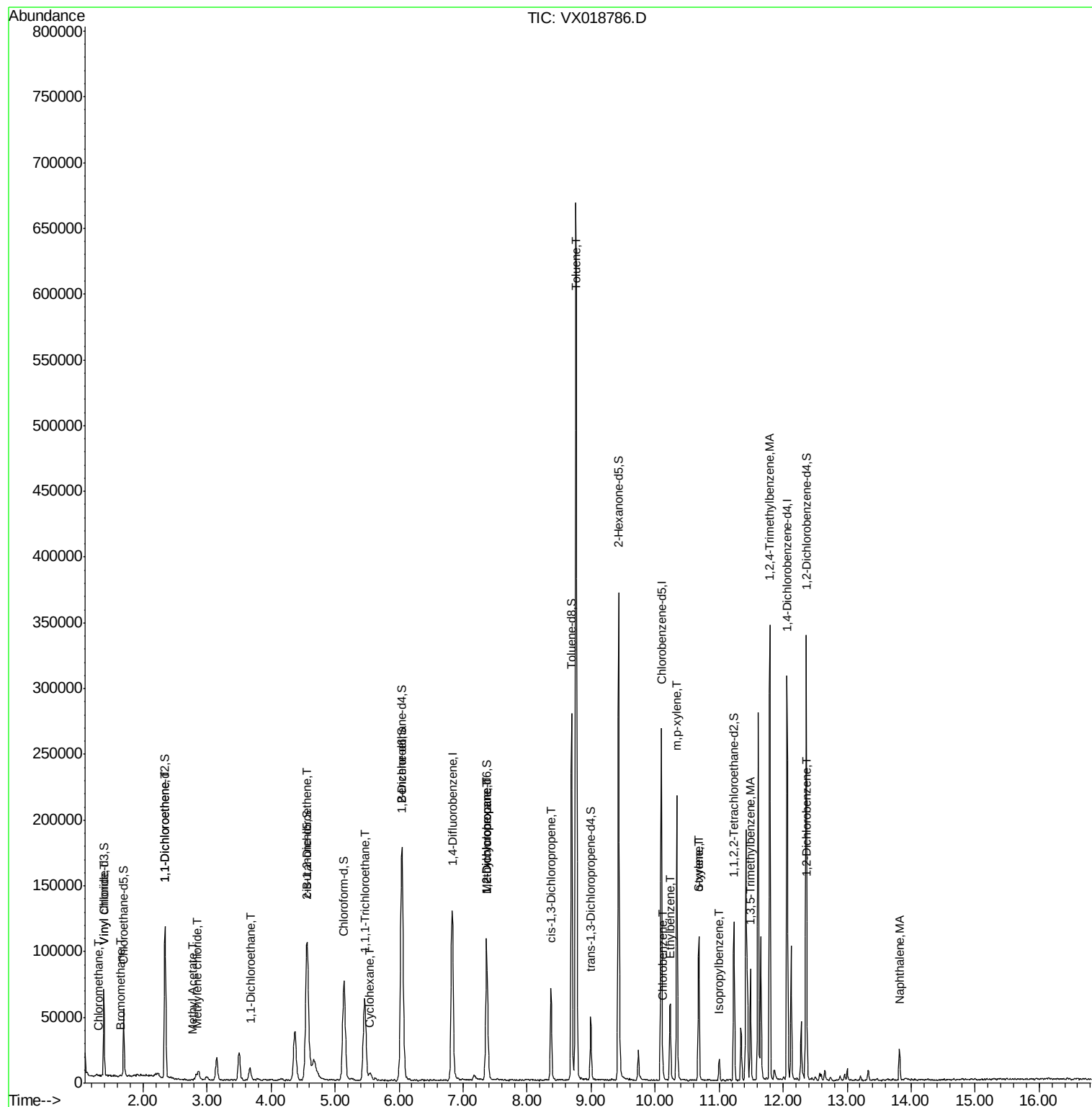
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) Ethylbenzene	10.24	91	33391	1.050	ug/L	100
55) m,p-xylene	10.34	106	47581	3.837	ug/L	95
56) o-xylene	10.68	106	23057	2.012	ug/L	89
57) Styrene	10.68	104	1406	0.072	ug/L #	1
58) Isopropylbenzene	11.01	105	8160	0.254	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	1830	0.131	ug/L	94
70) Naphthalene	13.82	128	14048	0.900	ug/L	99

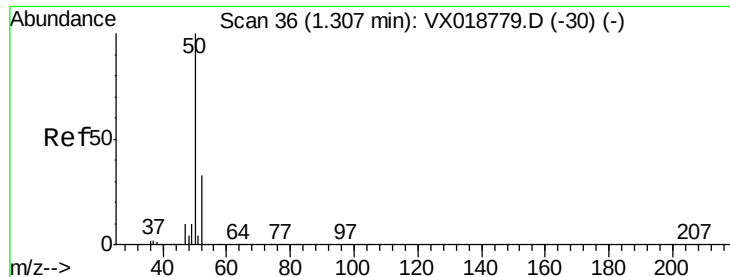
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.090 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.01 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

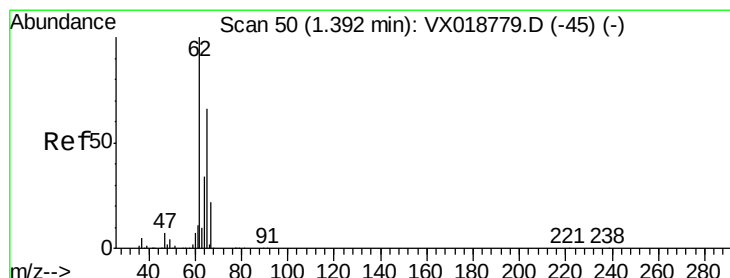
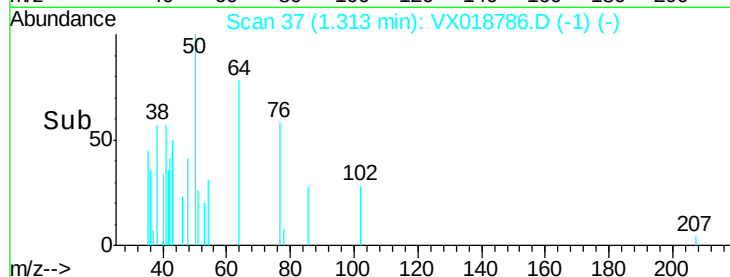
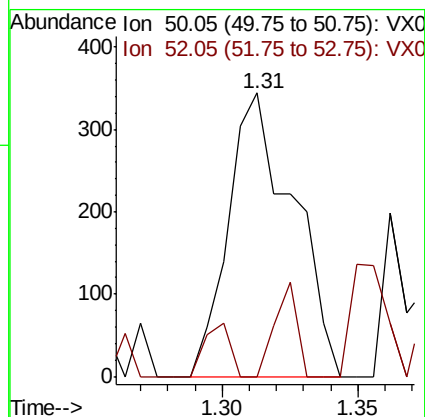
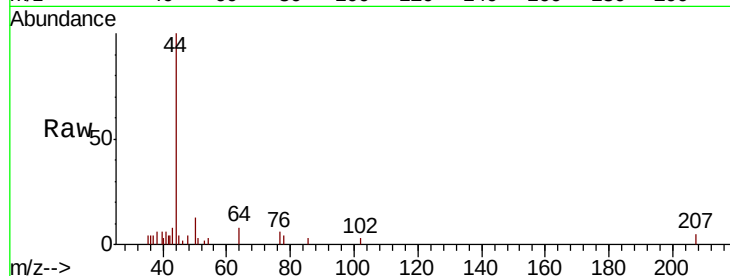
BG3N2DL2

Tot Ion: 50 Resp: 569

Ion Ratio Lower Upper

50 100

52 0.0 23.4 43.6#



#5

Vinyl chloride

Concen: 0.161 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX018786.D

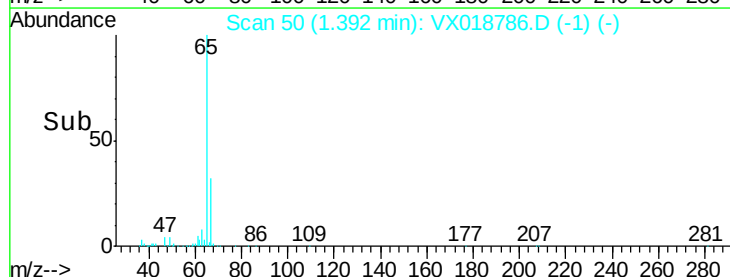
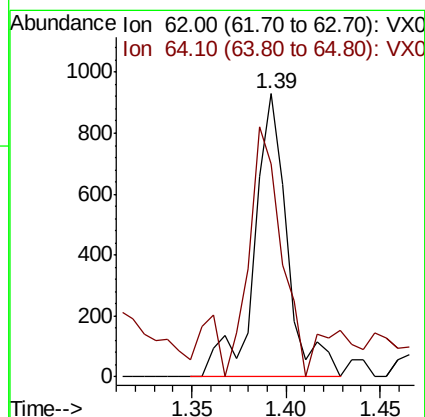
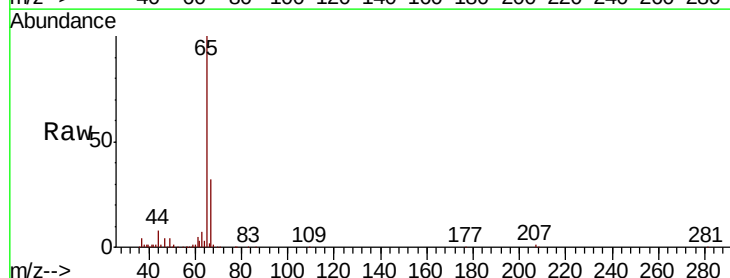
Acq: 06 Oct 2020 00:17

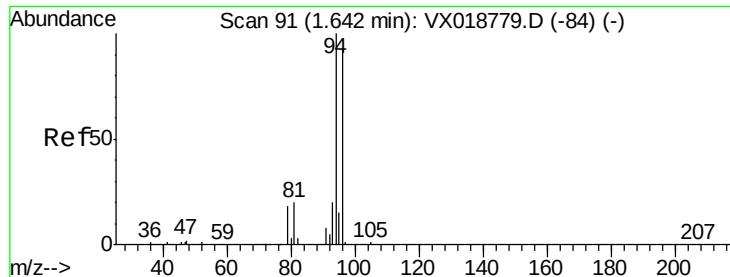
Tgt Ion: 62 Resp: 1131

Ion Ratio Lower Upper

62 100

64 75.5 24.3 45.1#





#6

Bromomethane

Concen: 0.081 ug/L

RT: 1.64 min Scan# 91

Delta R.T. 0.00 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

Instrument :

MSVOA_X

ClientSampled :

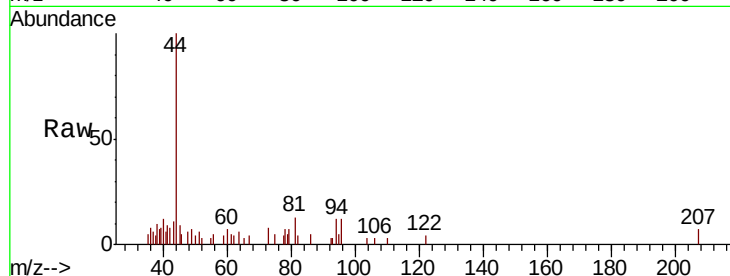
BG3N2DL2

Tot Ion: 94 Resp: 337

Ion Ratio Lower Upper

94 100

96 102.5 63.5 117.9



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

1.64

200

150

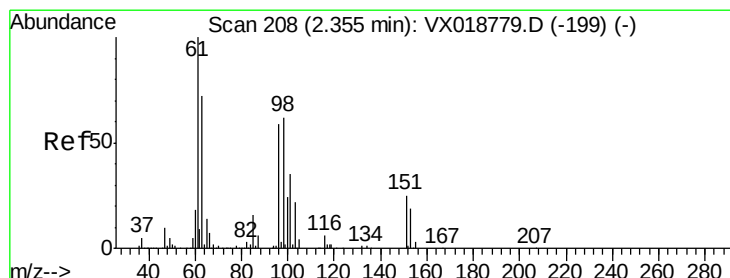
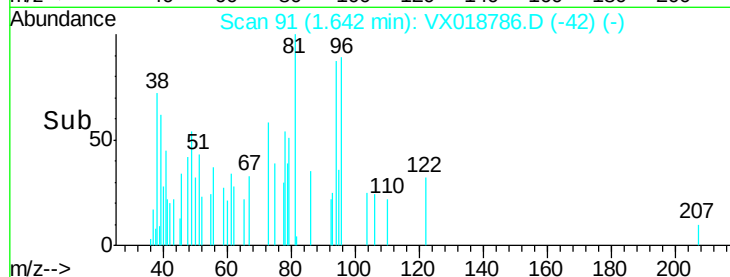
100

50

0

1.62 1.64 1.66 1.68

Time-->



#12

1,1-Dichloroethene

Concen: 0.230 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

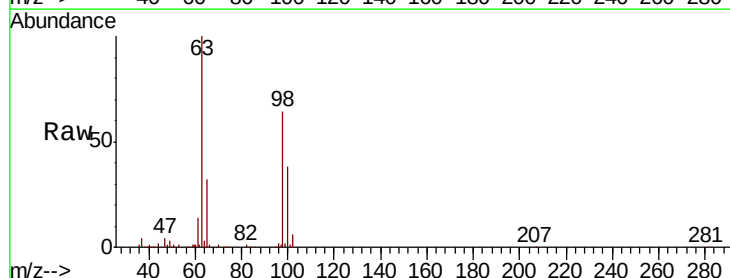
Tgt Ion: 96 Resp: 1488

Ion Ratio Lower Upper

96 100

61 602.3 133.2 247.4#

63 4404.3 115.1 213.7#



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

60000

50000

40000

30000

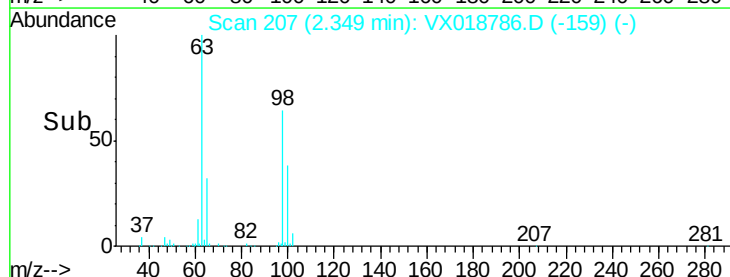
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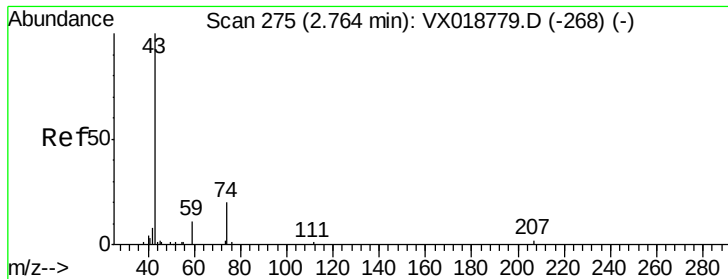
10000

0

2.30 2.35 2.40

Time-->

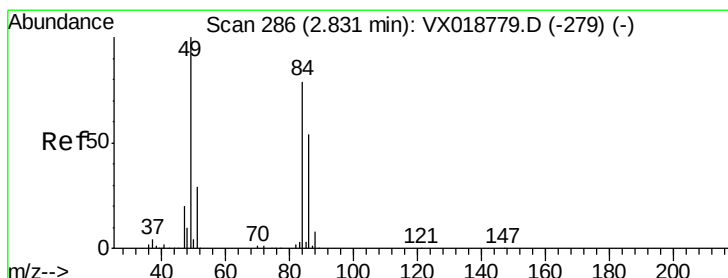
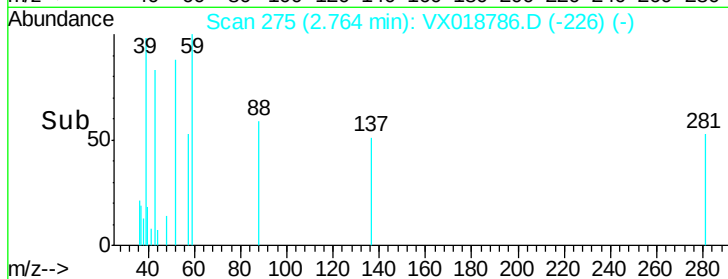
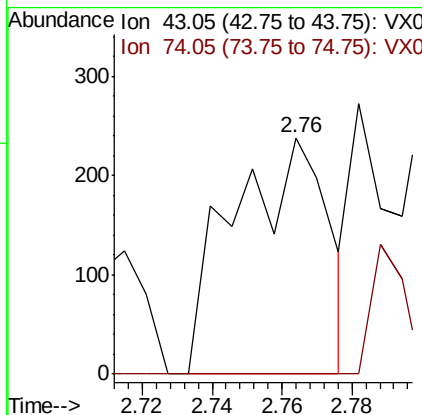
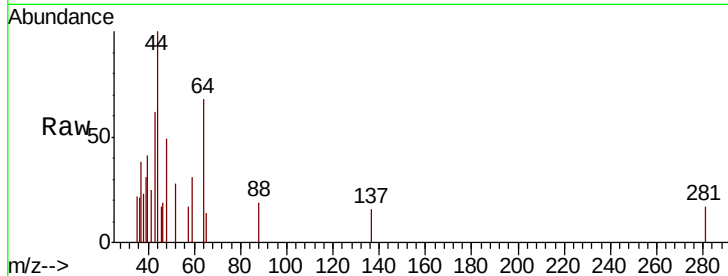




#15
Methyl Acetate
Concen: 0.167 ug/L
RT: 2.76 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX018786.D
Acq: 06 Oct 2020 00:17

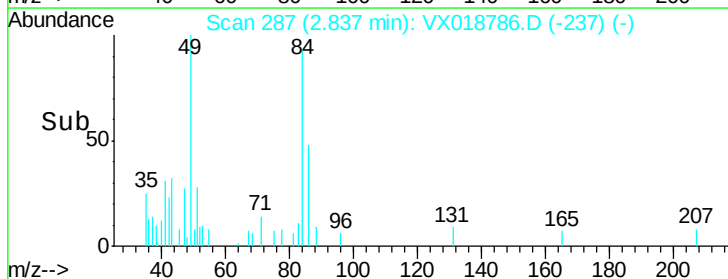
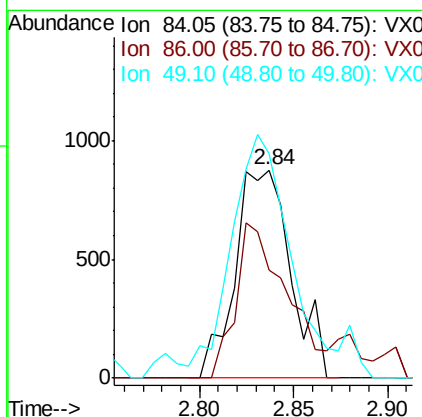
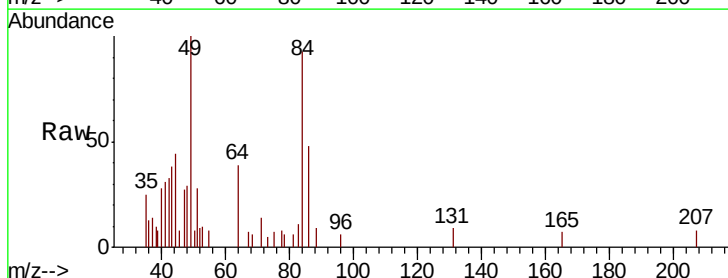
Instrument :
MSVOA_X
ClientSampleId :
BG3N2DL2

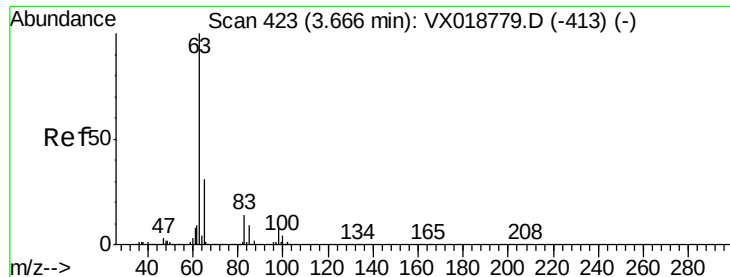
Tot Ion: 43 Resp: 447
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#16
Methylene chloride
Concen: 0.230 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018786.D
Acq: 06 Oct 2020 00:17

Tgt Ion: 84 Resp: 1804
Ion Ratio Lower Upper
84 100
86 52.0 45.6 84.8
49 107.9 85.8 159.3





#19

1,1-Dichloroethane

Concen: 0.824 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

Instrument :

MSVOA_X

ClientSampled :

BG3N2DL2

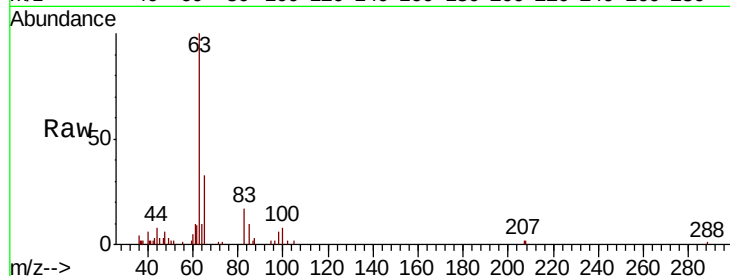
Tot Ion: 63 Resp: 10156

Ion Ratio Lower Upper

63 100

65 33.4 21.6 40.2

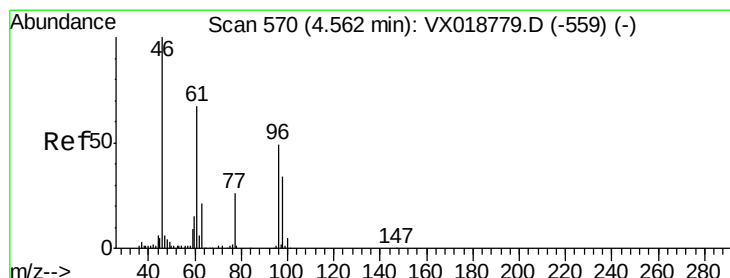
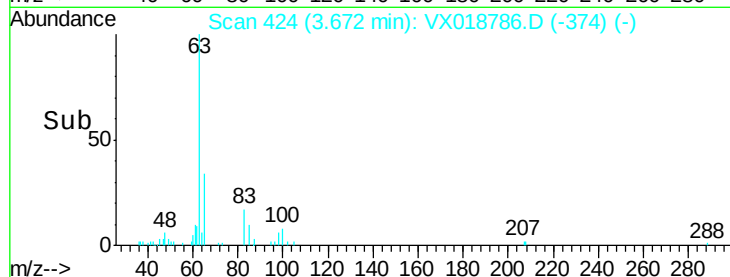
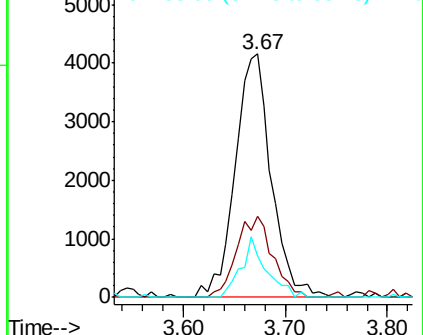
83 16.7 8.7 16.1#



Abundance Ion 63.10 (62.80 to 63.80): VX0

Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0



#22

cis-1,2-Dichloroethene

Concen: 5.319 ug/L

RT: 4.56 min Scan# 570

Delta R.T. 0.00 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

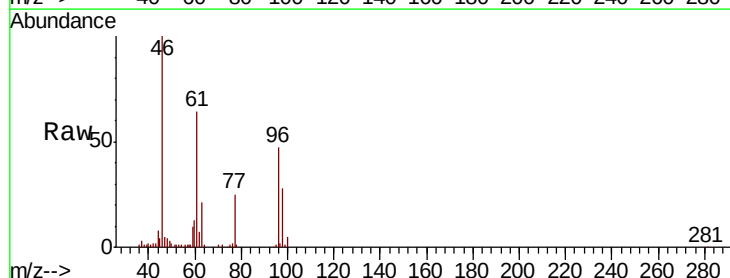
Tgt Ion: 96 Resp: 38046

Ion Ratio Lower Upper

96 100

61 133.9 86.2 160.0

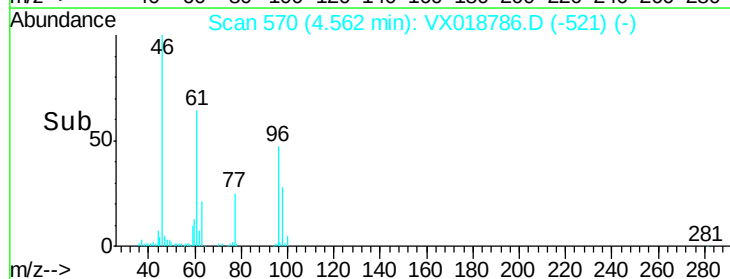
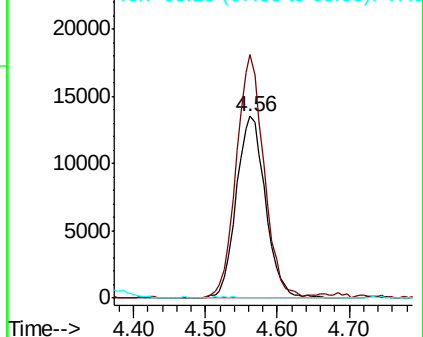
68 0.0 0.3 0.7#

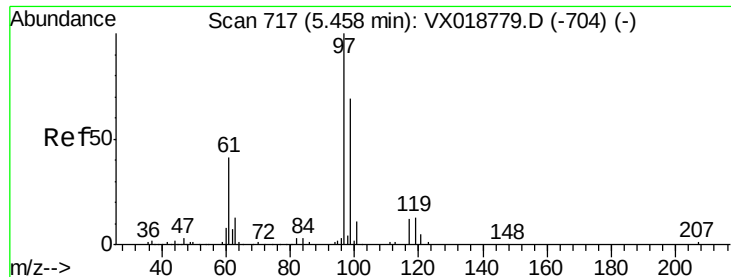


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 68.15 (67.85 to 68.85): VX0

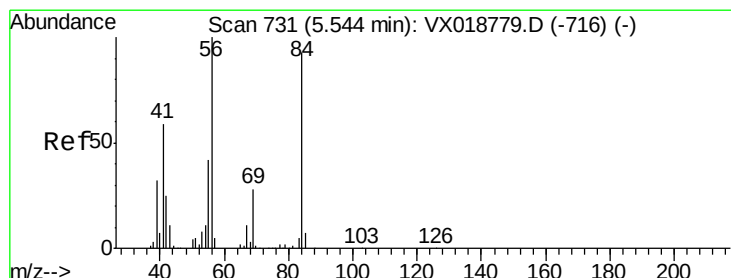
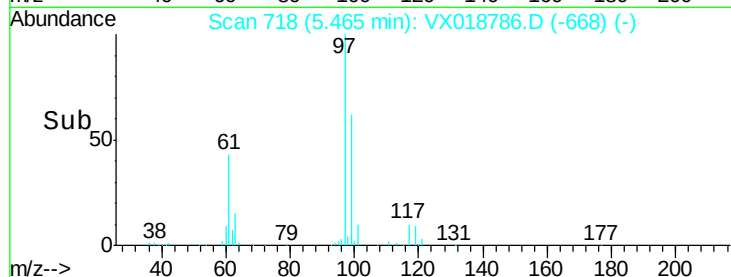
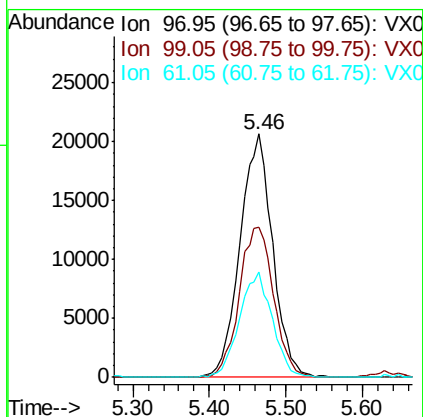
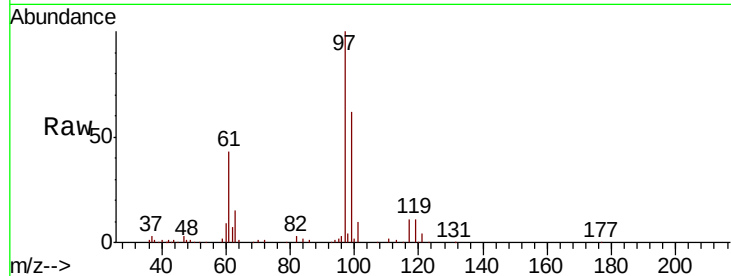




#29
 1,1,1-Trichloroethane
 Concen: 4.178 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX018786.D
 Acq: 06 Oct 2020 00:17

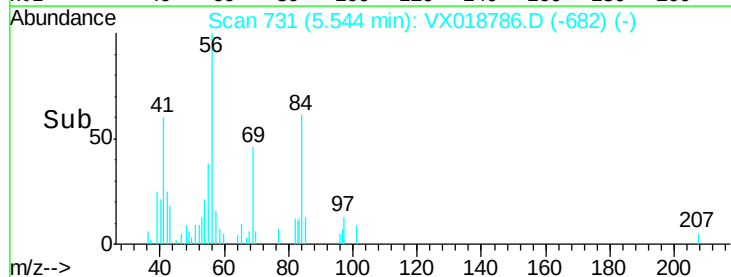
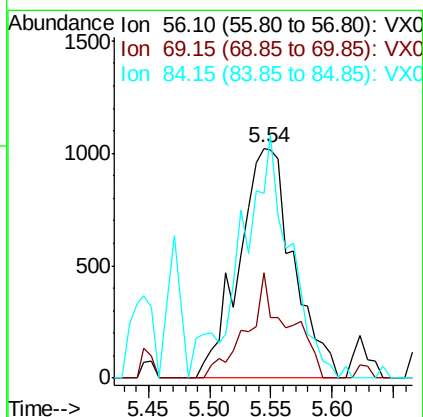
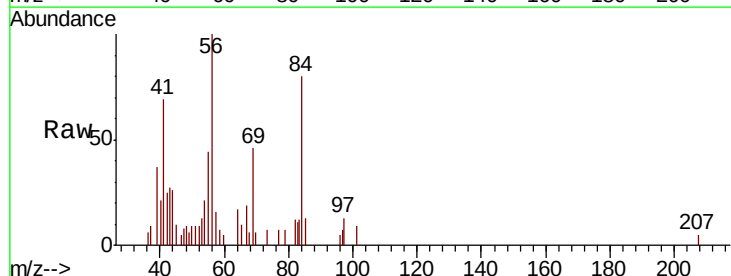
Instrument :
 MSVOA_X
 ClientSampled :
 BG3N2DL2

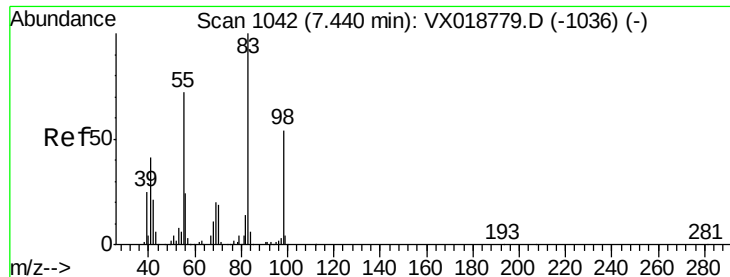
Tot Ion: 97 Resp: 61170
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.3 76.9
 61 43.4 33.3 49.9



#30
 Cyclohexane
 Concen: 0.311 ug/L
 RT: 5.54 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VX018786.D
 Acq: 06 Oct 2020 00:17

Tgt Ion: 56 Resp: 3159
 Ion Ratio Lower Upper
 56 100
 69 34.8 26.0 39.0
 84 86.8 73.8 110.6

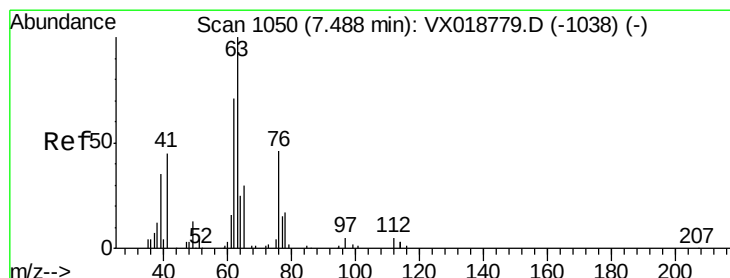
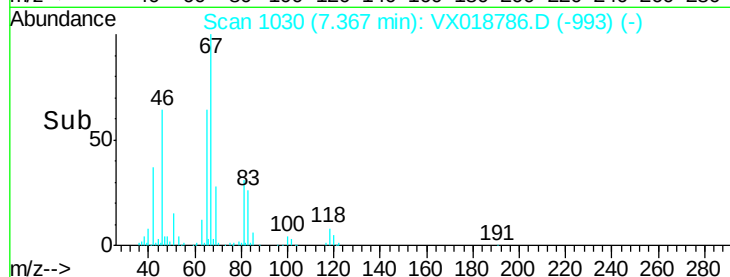
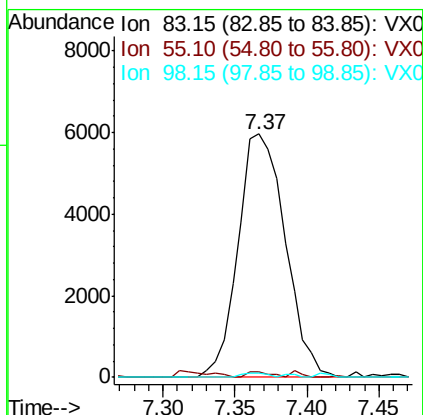
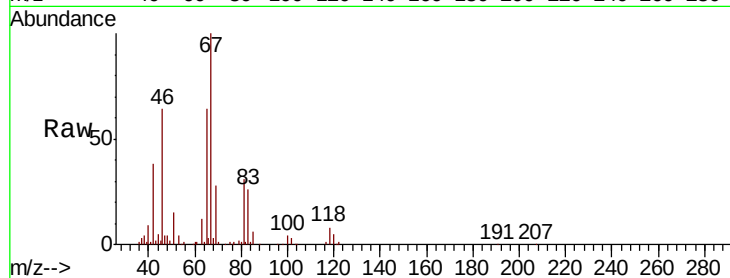




#35
Methylvlcyclohexane
Concen: 1.251 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.07 min
Lab File: VX018786.D
Acq: 06 Oct 2020 00:17

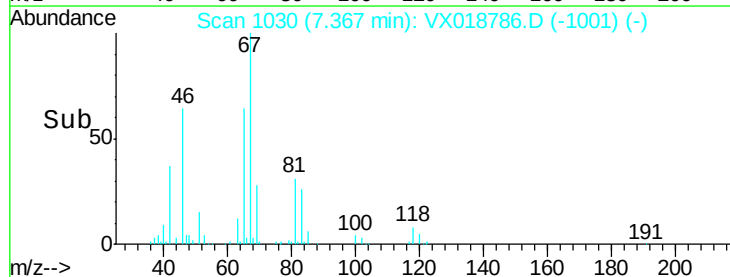
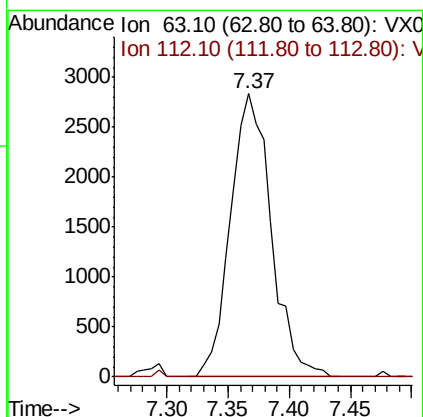
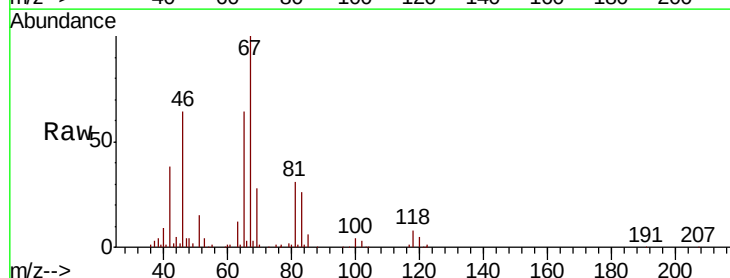
Instrument :
MSVOA_X
ClientSampleId :
BG3N2DL2

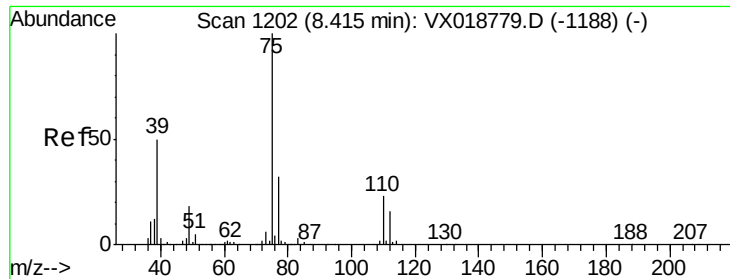
Tot Ion	83	Resp	13566
Ion Ratio	Lower	Upper	
83	100		
55	1.2	60.3	90.5#
98	1.0	39.4	59.0#



#37
1,2-Dichloropropane
Concen: 1.009 ug/L
RT: 7.37 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VX018786.D
Acq: 06 Oct 2020 00:17

Tgt Ion	63	Resp	6551
Ion Ratio	Lower	Upper	
63	100		
112	0.4	4.7	7.1#

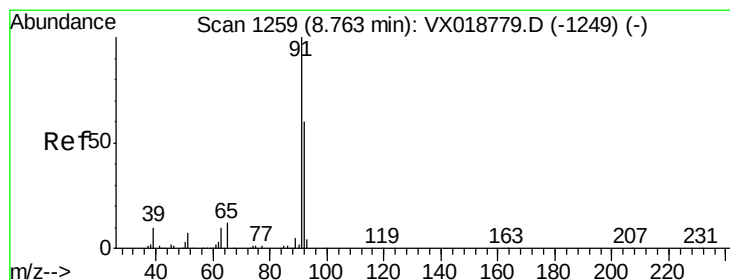
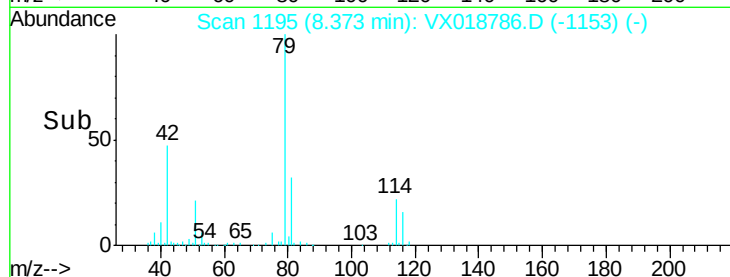
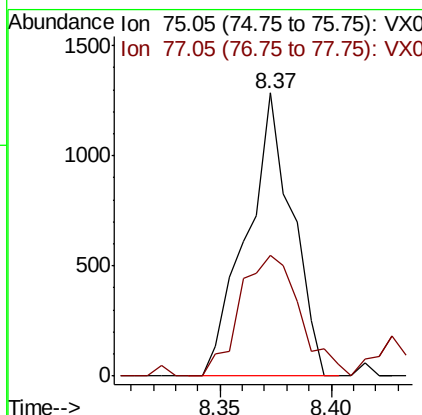
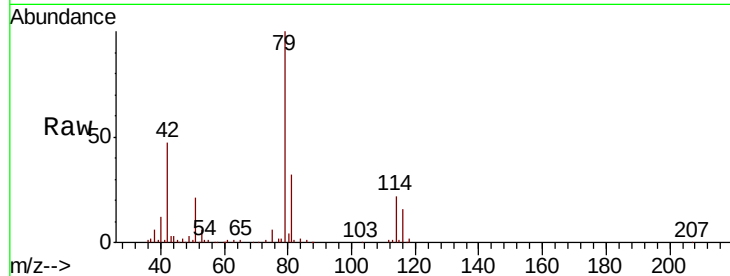




#39
 cis-1,3-Dichloropropene
 Concen: 0.176 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018786.D
 Acq: 06 Oct 2020 00:17

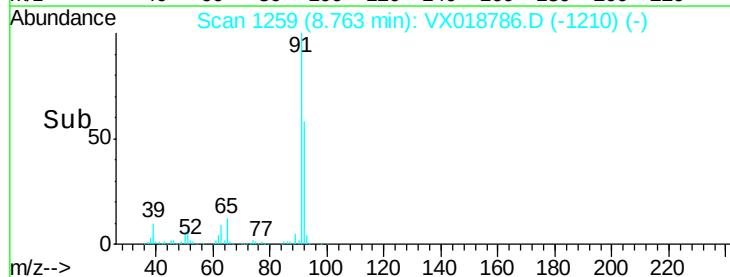
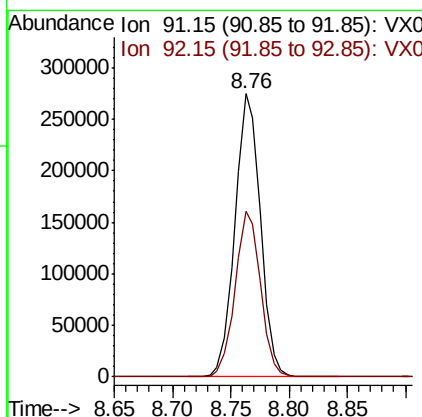
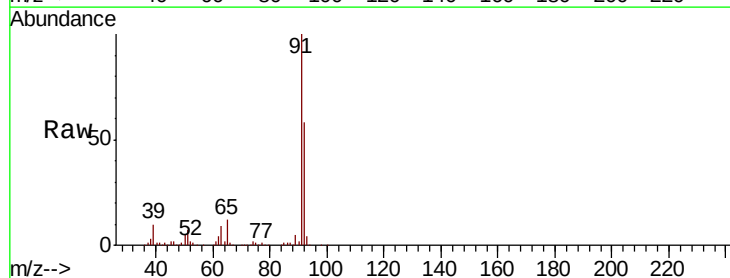
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N2DL2

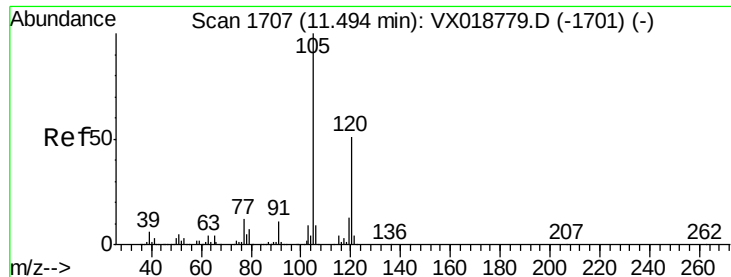
Tot Ion: 75 Resp: 1823
 Ion Ratio Lower Upper
 75 100
 77 42.8 22.5 41.7#



#42
 Toluene
 Concen: 14.808 ug/L
 RT: 8.76 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VX018786.D
 Acq: 06 Oct 2020 00:17

Tgt Ion: 91 Resp: 419971
 Ion Ratio Lower Upper
 91 100
 92 58.3 40.3 74.9





#43

1,3,5-Trimethylbenzene

Concen: 1.391 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

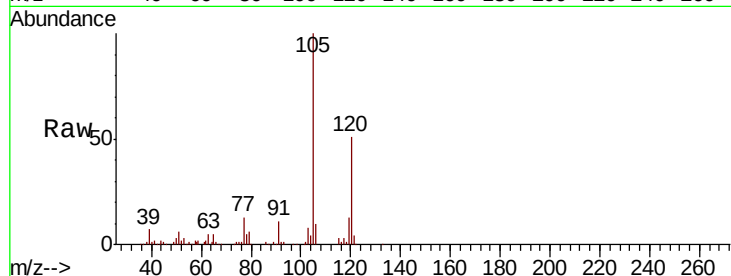
BG3N2DL2

Tot Ion:105 Resp: 37329

Ion Ratio Lower Upper

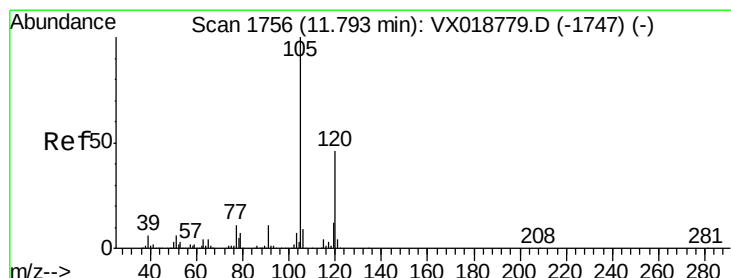
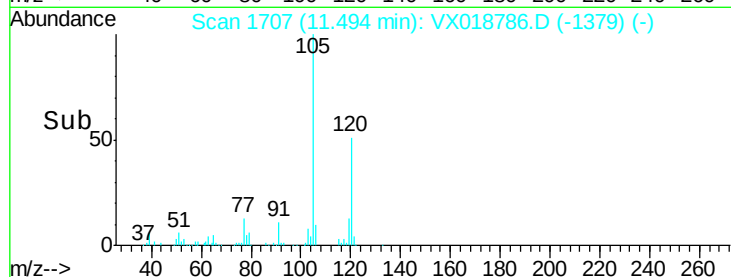
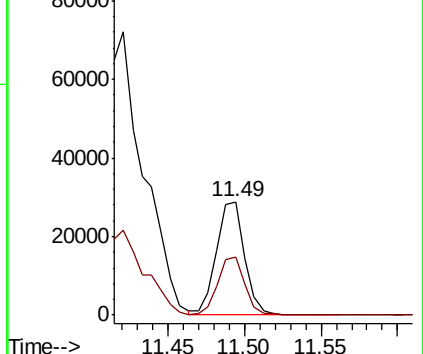
105 100

120 49.0 37.7 56.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#44

1,2,4-Trimethylbenzene

Concen: 5.298 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX018786.D

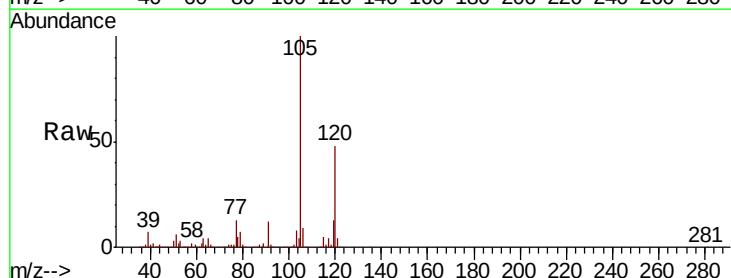
Acq: 06 Oct 2020 00:17

Tgt Ion:105 Resp: 144343

Ion Ratio Lower Upper

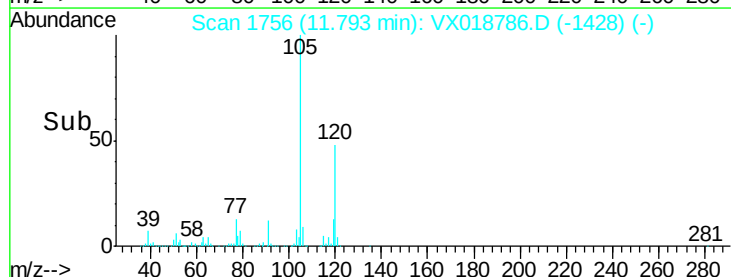
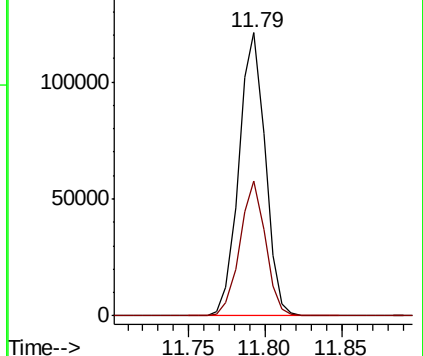
105 100

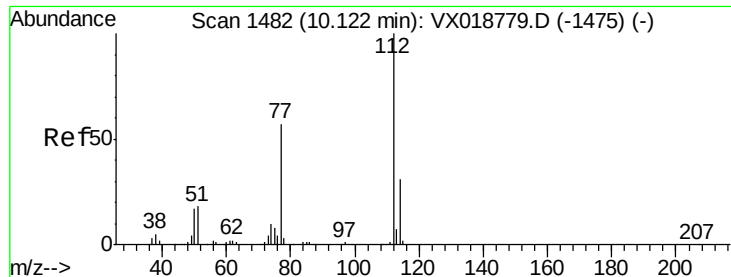
120 46.3 35.1 52.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#53

Chlorobenzene

Concen: 0.108 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

Instrument :

MSVOA_X

ClientSampleId :

BG3N2DL2

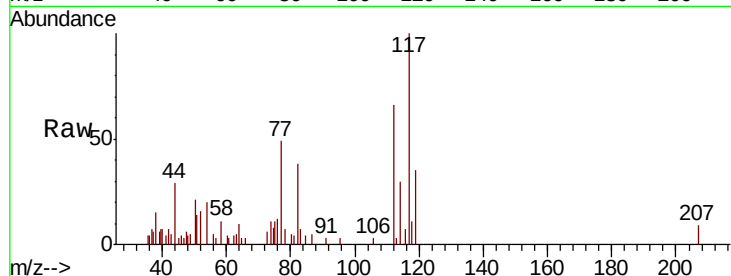
Tot Ion:112 Resp: 2097

Ion Ratio Lower Upper

112 100

114 45.9 21.3 39.5#

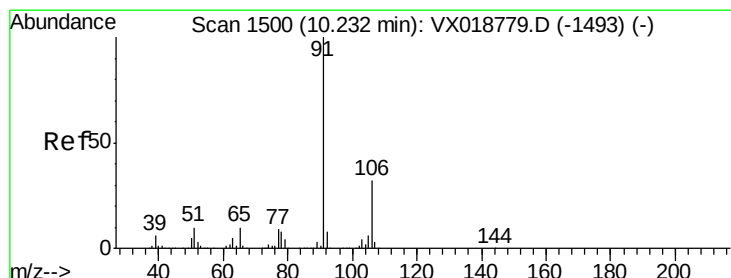
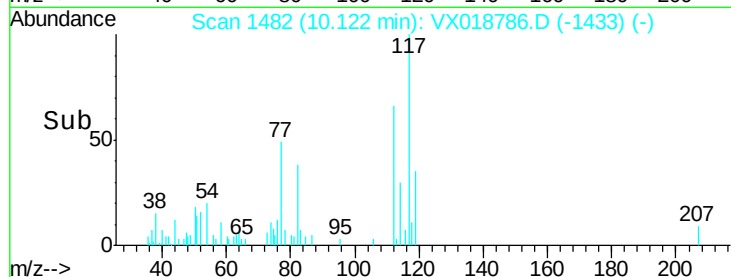
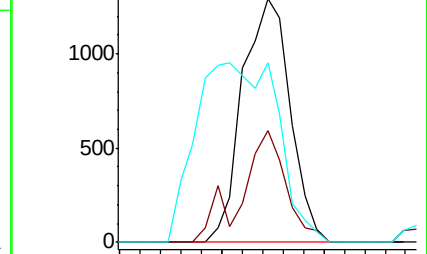
77 73.8 42.4 63.6#



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): V



#54

Ethylbenzene

Concen: 1.050 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018786.D

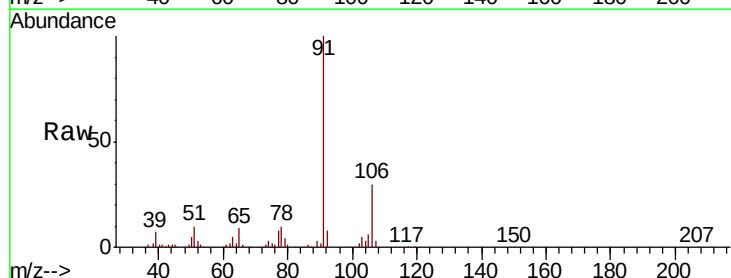
Acq: 06 Oct 2020 00:17

Tgt Ion: 91 Resp: 33391

Ion Ratio Lower Upper

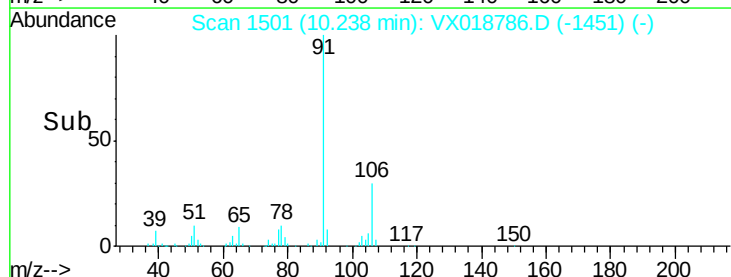
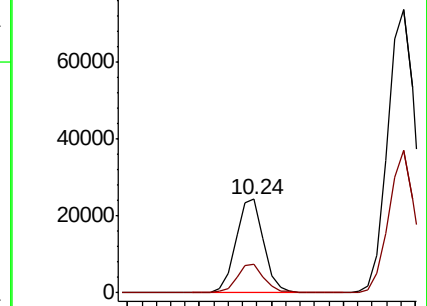
91 100

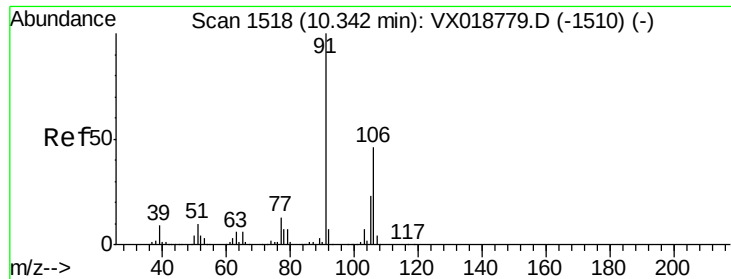
106 30.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 3.837 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

Instrument :

MSVOA_X

ClientSampled :

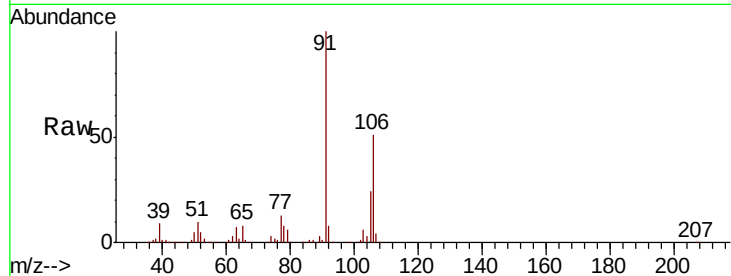
BG3N2DL2

Tot Ion:106 Resp: 47581

Ion Ratio Lower Upper

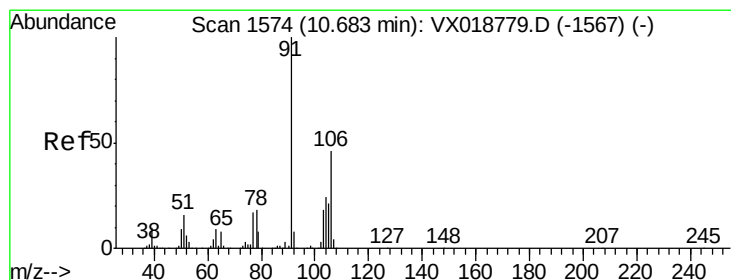
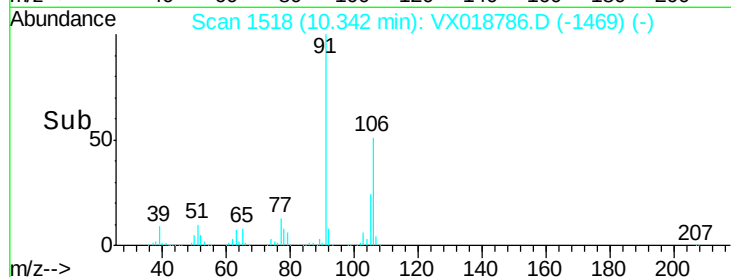
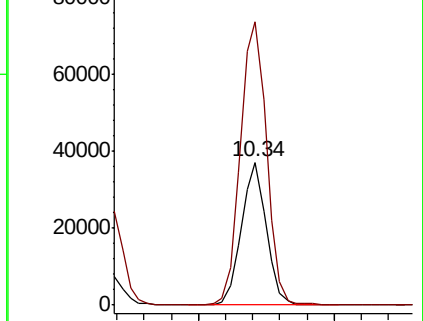
106 100

91 197.8 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 2.012 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018786.D

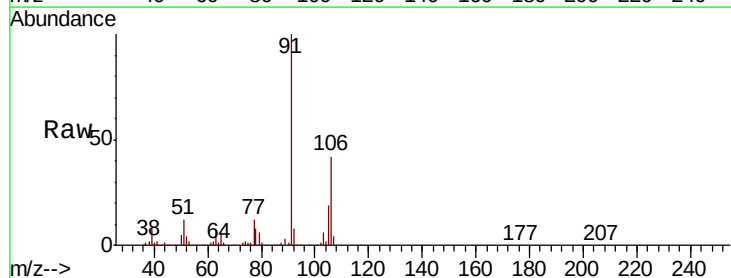
Acq: 06 Oct 2020 00:17

Tgt Ion:106 Resp: 23057

Ion Ratio Lower Upper

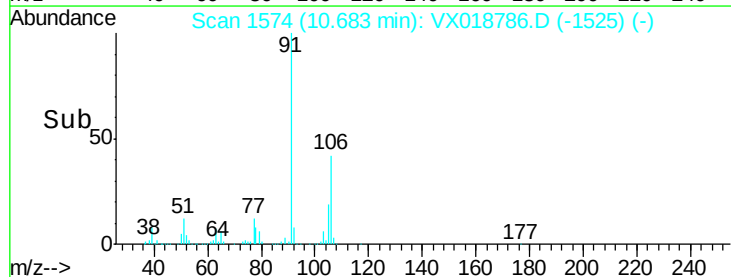
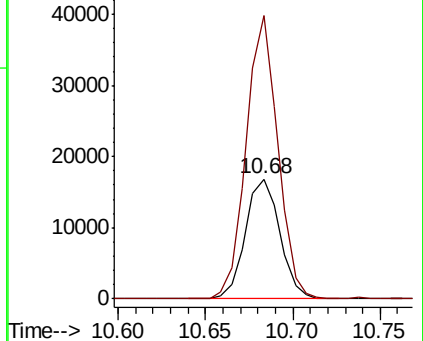
106 100

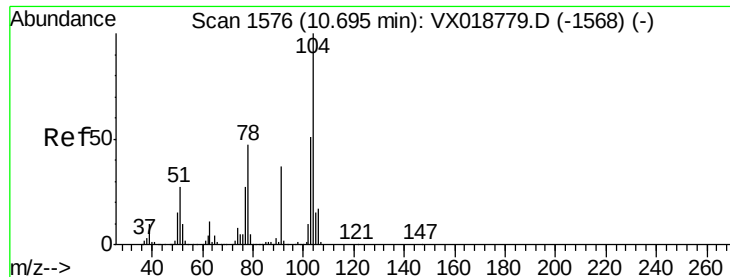
91 236.6 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#57

Stvrene

Concen: 0.072 ug/L

RT: 10.68 min Scan# 1573

Delta R.T. -0.02 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

Instrument :

MSVOA_X

ClientSampled :

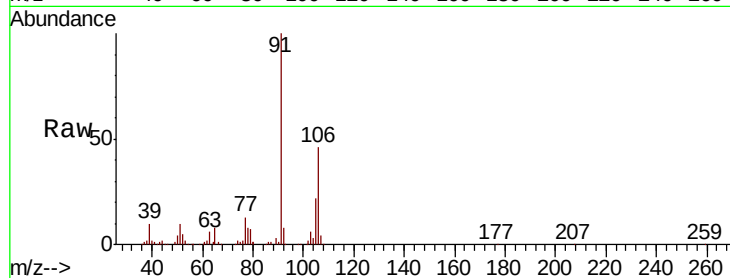
BG3N2DL2

Tot Ion:104 Resp: 1406

Ion Ratio Lower Upper

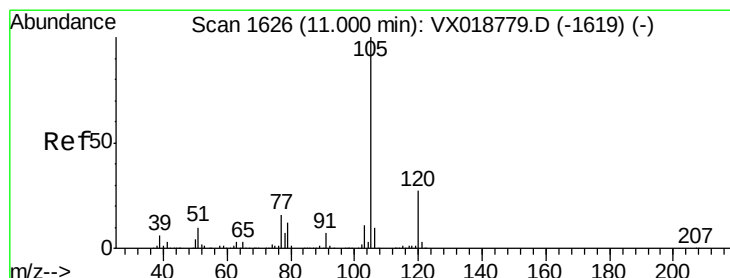
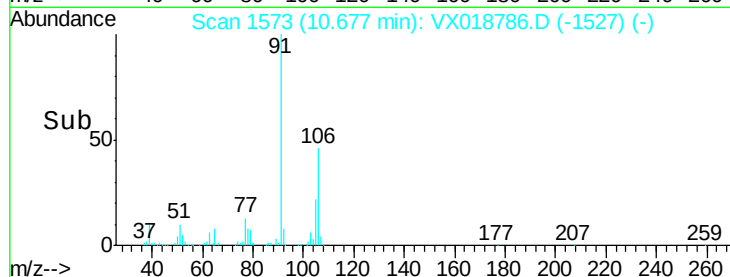
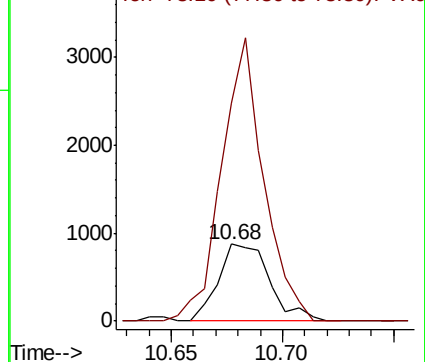
104 100

78 282.2 37.1 68.9#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0



#58

Isopropylbenzene

Concen: 0.254 ug/L

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX018786.D

Acq: 06 Oct 2020 00:17

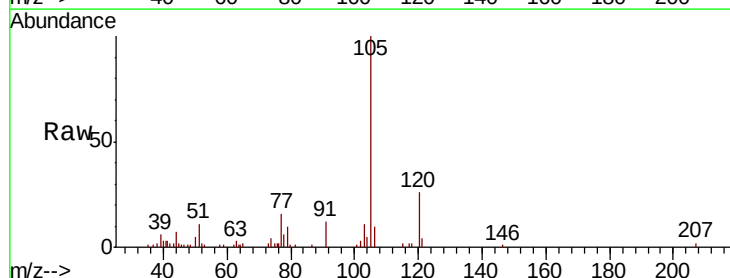
Tgt Ion:105 Resp: 8160

Ion Ratio Lower Upper

105 100

120 27.6 20.2 30.2

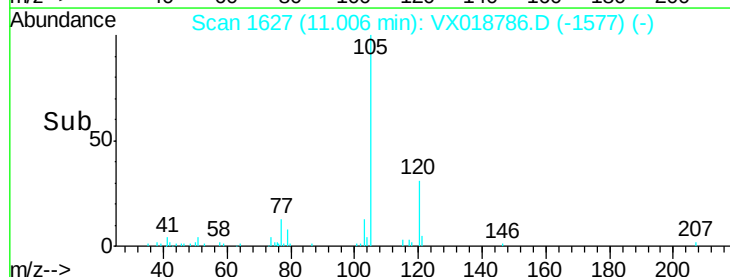
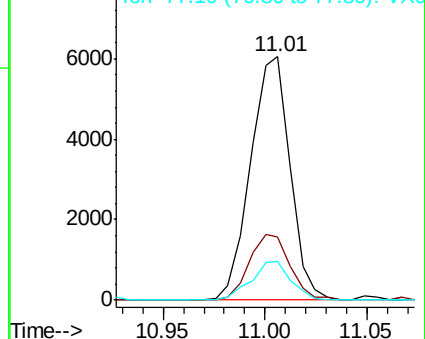
77 16.0 13.3 19.9

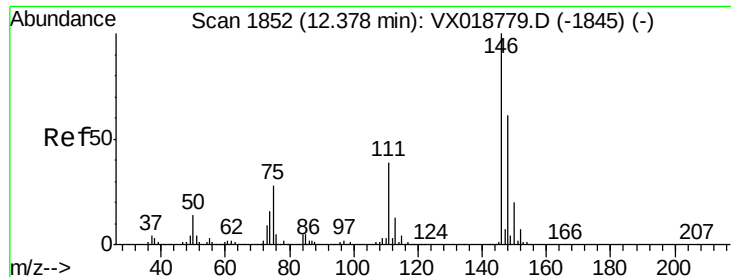


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VX0

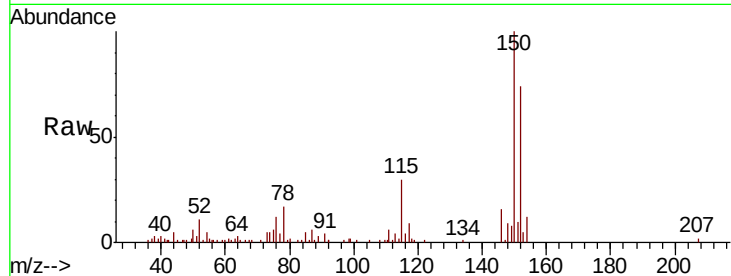




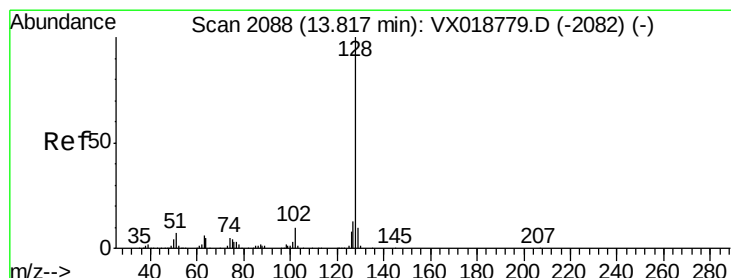
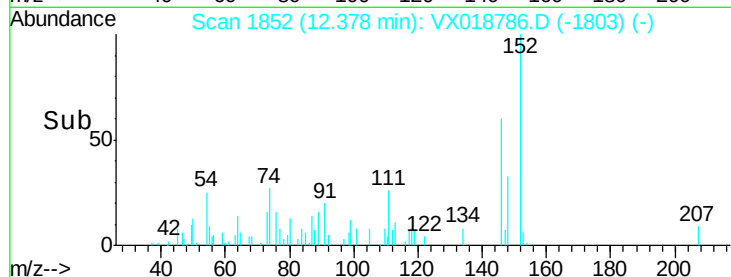
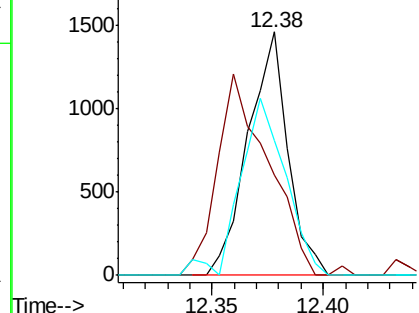
#66
 1,2-Dichlorobenzene
 Concen: 0.131 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018786.D
 Acq: 06 Oct 2020 00:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3N2DL2

Tot Ion:146 Resp: 1830
 Ion Ratio Lower Upper
 146 100
 111 41.1 31.7 47.5
 148 55.3 49.0 73.6

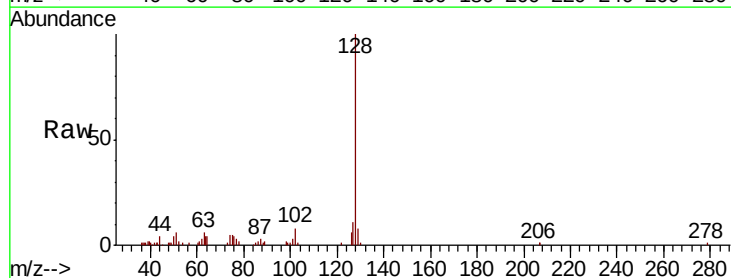


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#70
 Naphthalene
 Concen: 0.900 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX018786.D
 Acq: 06 Oct 2020 00:17

Tgt Ion:128 Resp: 14048
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.0 13.4
 127 12.9 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

