

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100520\
 Data File : VX018767.D
 Acq On : 05 Oct 2020 15:47
 Operator : JC/SP
 Sample : L4239-01DL 40X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3M9DL

Quant Time: Oct 06 02:28:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 01:36:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	151122	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	142338	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	70886	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44233	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.70	69	38439	5.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.20%
11) 1,1-Dichloroethene-d2	2.34	63	76041	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.56	46	143852	62.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.26%
24) Chloroform-d	5.14	84	107092	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	6.03	65	61896	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	6.05	84	202506	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
36) 1,2-Dichloropropane-d6	7.37	67	62340	6.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	122.00%
41) Toluene-d8	8.70	98	178604	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
45) trans-1,3-Dichloropropene-	8.99	79	27155	4.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.60%
48) 2-Hexanone-d5	9.43	63	120869	65.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.10%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	48128	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	75096	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.55	76	1692	0.072	ug/L	96
16) Methylene chloride	2.84	84	2990	0.328	ug/L	94
18) trans-1,2-Dichloroethene	3.15	96	725	0.090	ug/L #	60
19) 1,1-Dichloroethane	3.67	63	5907	0.412	ug/L	92
22) cis-1,2-Dichloroethene	4.56	96	74822	9.001	ug/L #	97
29) 1,1,1-Trichloroethane	5.46	97	113485	6.740	ug/L	99
30) Cyclohexane	5.54	56	4948	0.424	ug/L #	92
34) Trichloroethene	7.19	95	1661	0.189	ug/L #	81
42) Toluene	8.76	91	931761	28.568	ug/L	97
53) Chlorobenzene	10.12	112	3275	0.147	ug/L #	82
54) Ethylbenzene	10.23	91	76628	2.096	ug/L	99
55) m,p-xylene	10.34	106	84928	5.955	ug/L	96
56) o-xylene	10.68	106	55053	4.177	ug/L	93
58) Isopropylbenzene	11.00	105	19846	0.538	ug/L	97
64) 1,4-Dichlorobenzene	12.09	146	2411	0.140	ug/L	84
66) 1,2-Dichlorobenzene	12.38	146	3658	0.227	ug/L #	75
69) 1,2,4-trichlorobenzene	13.63	180	1576	0.143	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration

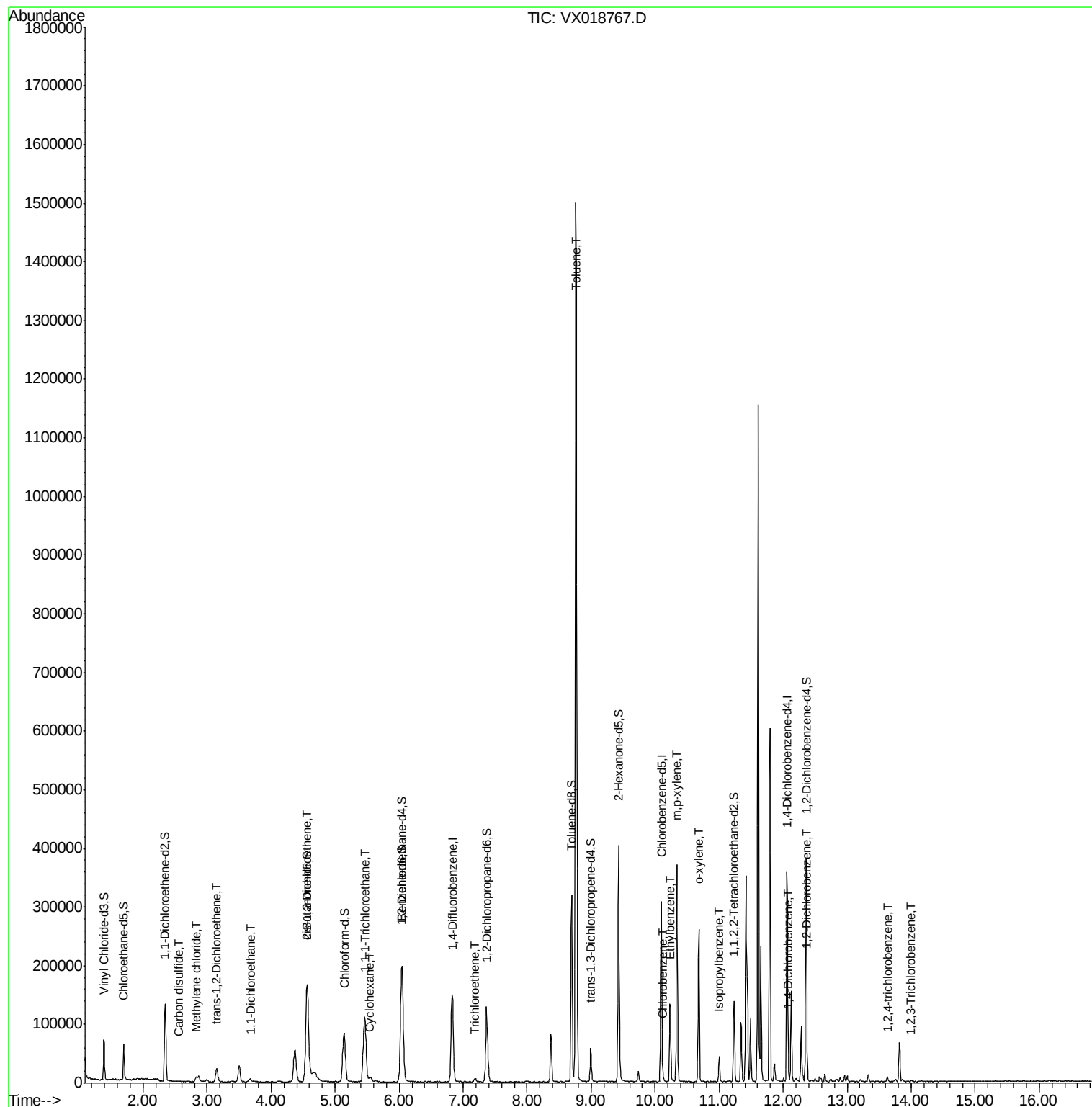
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,2,3-Trichlorobenzene	14.01	180	773	0.078	ug/L	95

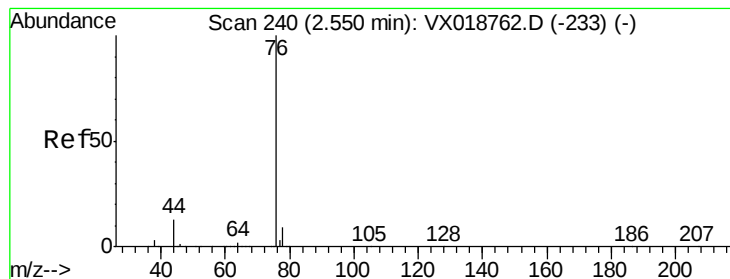
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 06 01:36:50 2020
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.072 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

Instrument :

MSVOA_X

ClientSampled :

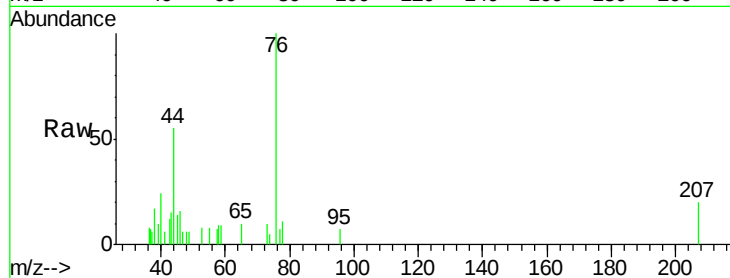
BG3M9DL

Tot Ion: 76 Resp: 1692

Ion Ratio Lower Upper

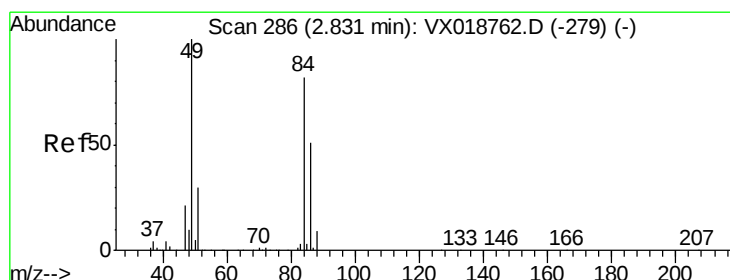
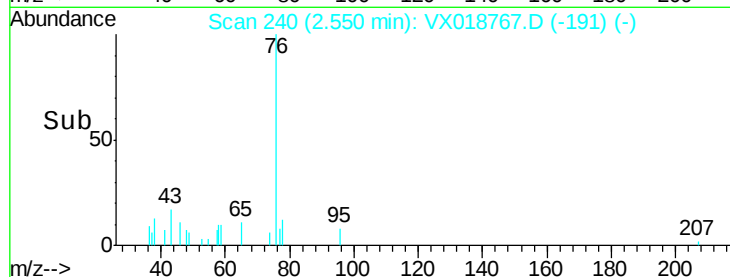
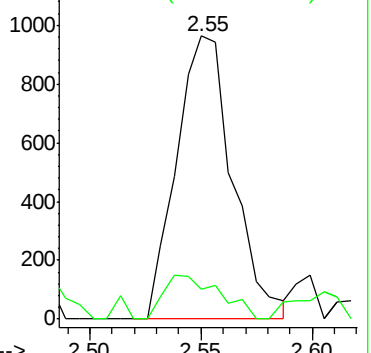
76 100

78 10.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#16

Methylene chloride

Concen: 0.328 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

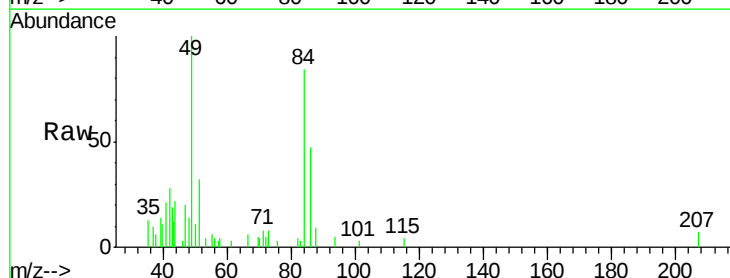
Tgt Ion: 84 Resp: 2990

Ion Ratio Lower Upper

84 100

86 56.2 45.6 84.8

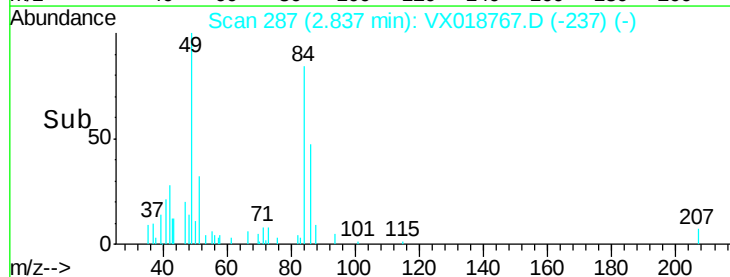
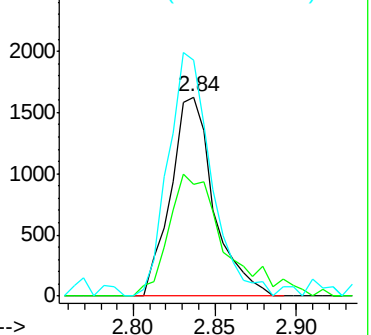
49 118.5 85.8 159.3

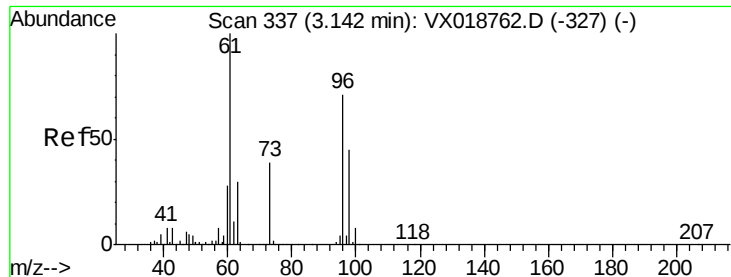


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0





#18

trans-1,2-Dichloroethene

Concen: 0.090 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

Instrument :

MSVOA_X

ClientSampled :

BG3M9DL

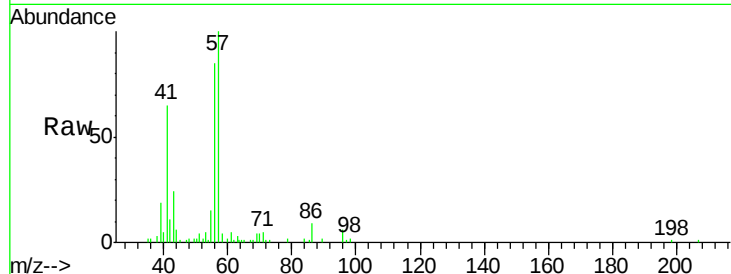
Tot Ion: 96 Resp: 725

Ion Ratio Lower Upper

96 100

61 84.5 97.6 181.4#

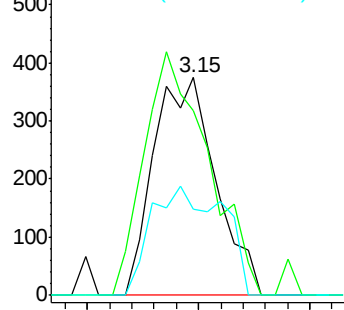
98 39.7 43.1 80.1#



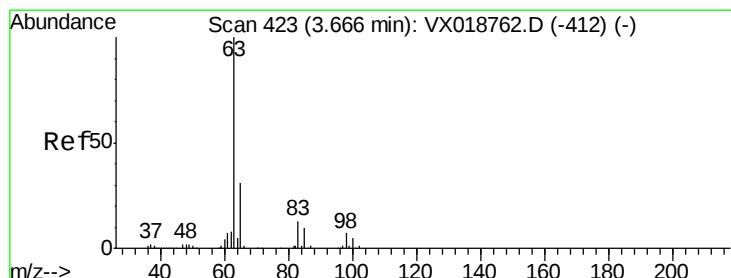
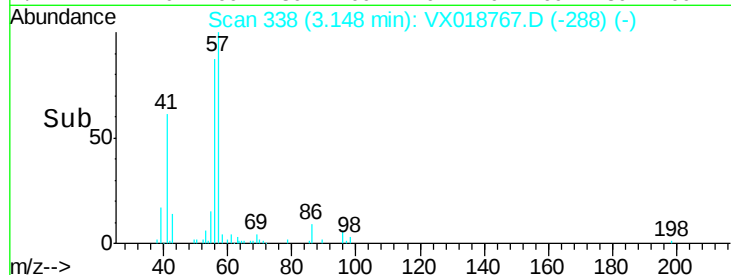
Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.05 (60.75 to 61.75): VX0

Ion 97.95 (97.65 to 98.65): VX0



Time-->



#19

1,1-Dichloroethane

Concen: 0.412 ug/L

RT: 3.67 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

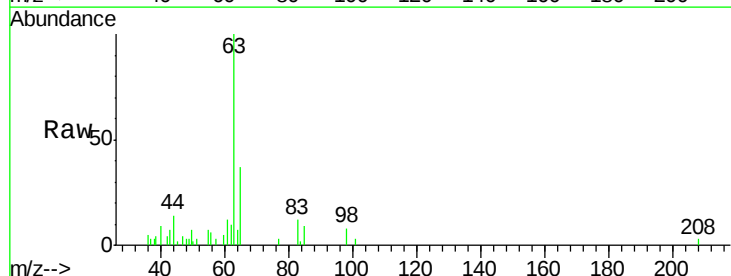
Tgt Ion: 63 Resp: 5907

Ion Ratio Lower Upper

63 100

65 37.1 21.6 40.2

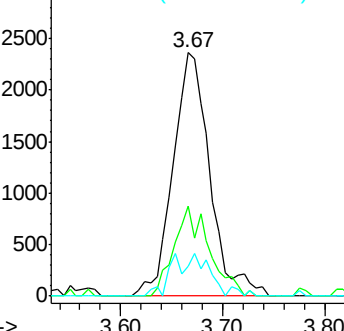
83 12.1 8.7 16.1



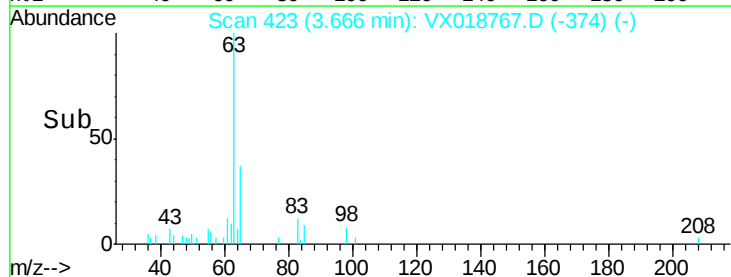
Abundance Ion 63.10 (62.80 to 63.80): VX0

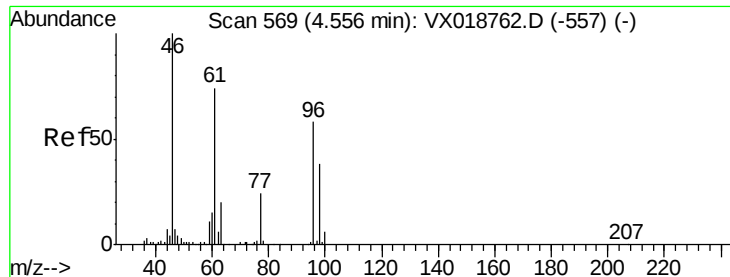
Ion 65.10 (64.80 to 65.80): VX0

Ion 83.05 (82.75 to 83.75): VX0



Time-->



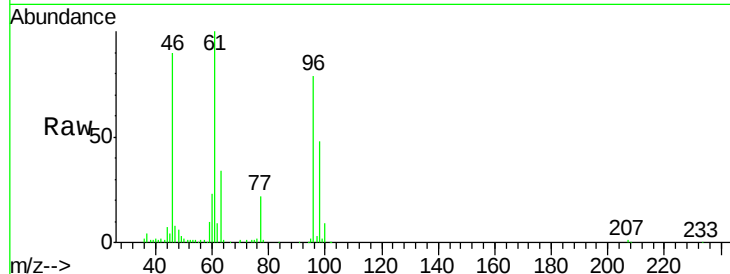


#22

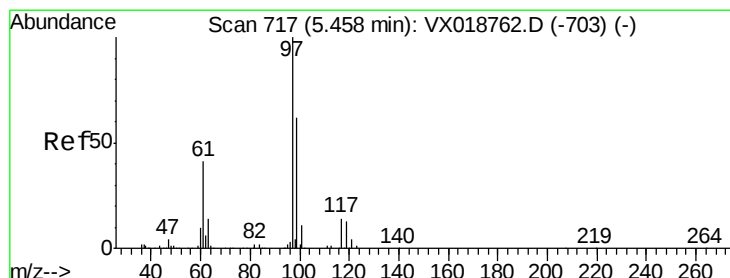
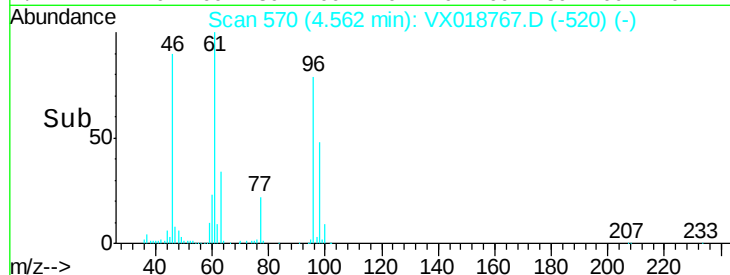
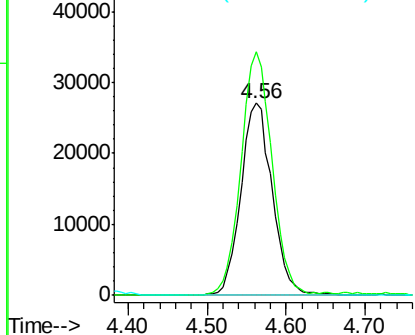
cis-1,2-Dichloroethene
Concen: 9.001 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX018767.D
Acq: 05 Oct 2020 15:47

Instrument :
MSVOA_X
ClientSampleId :
BG3M9DL

Tot Ion: 96 Resp: 74822
Ion Ratio Lower Upper
96 100
61 126.8 86.2 160.0
68 0.0 0.3 0.7#



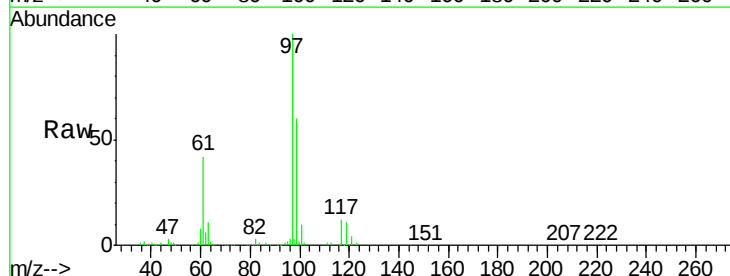
Abundance Ion 96.00 (95.70 to 96.70): VX0
Ion 61.05 (60.75 to 61.75): VX0
Ion 68.15 (67.85 to 68.85): VX0



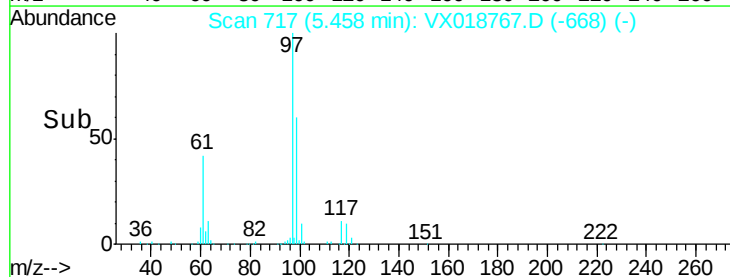
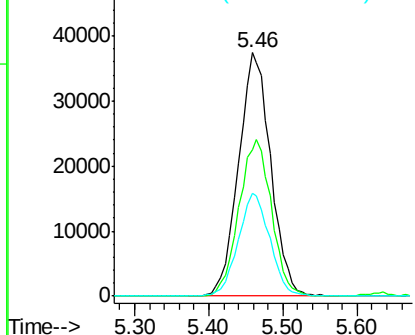
#29

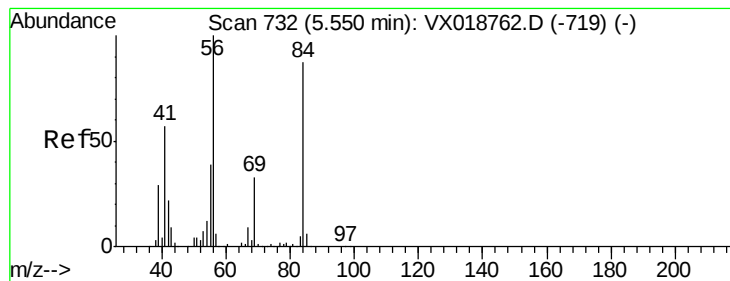
1,1,1-Trichloroethane
Concen: 6.740 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX018767.D
Acq: 05 Oct 2020 15:47

Tgt Ion: 97 Resp: 113485
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 41.5 33.3 49.9



Abundance Ion 96.95 (96.65 to 97.65): VX0
Ion 99.05 (98.75 to 99.75): VX0
Ion 61.05 (60.75 to 61.75): VX0





#30

Cyclohexane

Concen: 0.424 ug/L

RT: 5.54 min Scan# 731

Delta R.T. -0.01 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

BG3M9DL

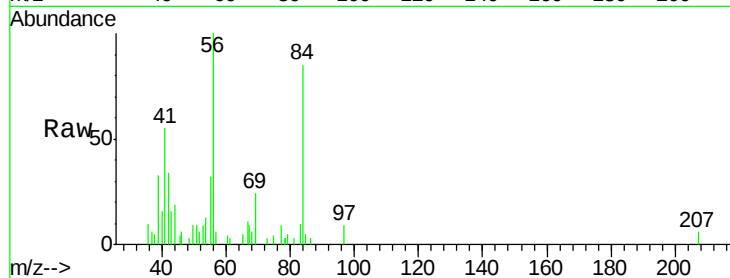
Tot Ion: 56 Resp: 4948

Ion Ratio Lower Upper

56 100

69 22.3 26.0 39.0#

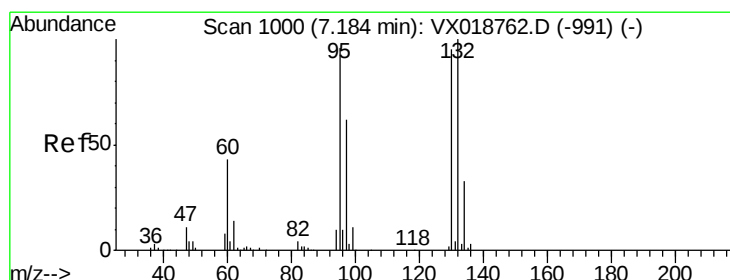
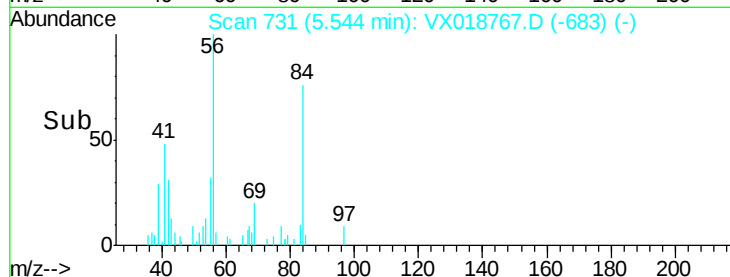
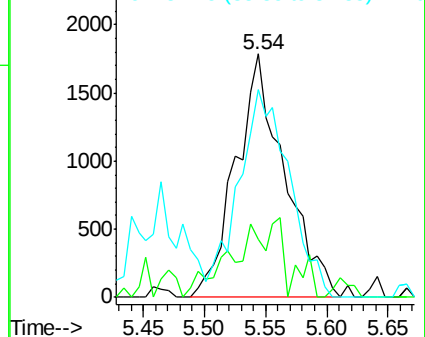
84 88.3 73.8 110.6



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



#34

Trichloroethene

Concen: 0.189 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

Tgt Ion: 95 Resp: 1661

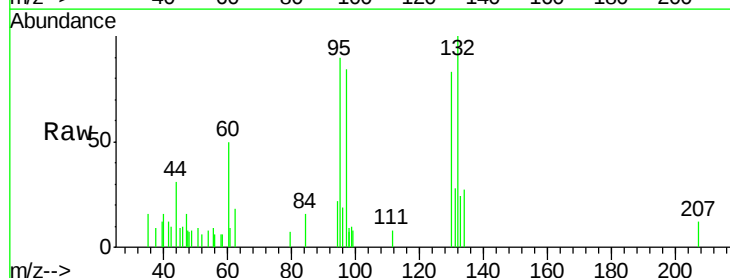
Ion Ratio Lower Upper

95 100

97 93.9 45.3 84.1#

132 111.1 68.6 127.4

130 92.1 74.5 138.3

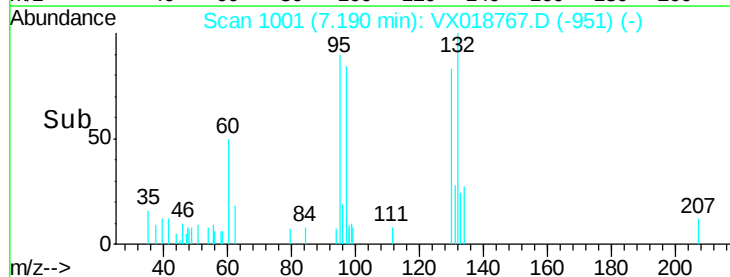
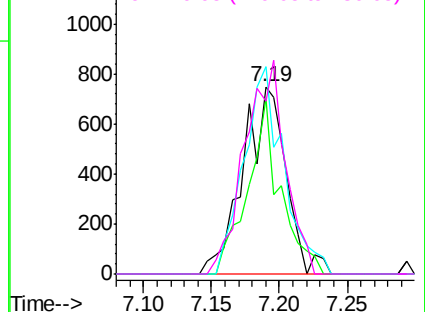


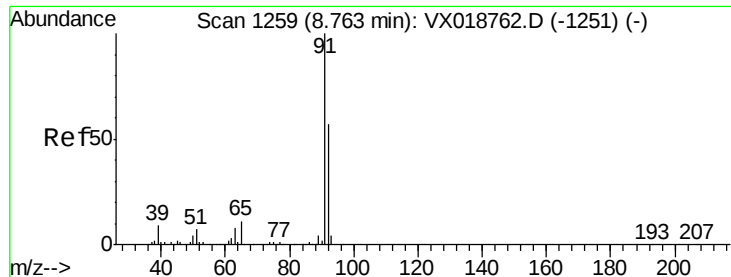
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#42

Toluene

Concen: 28.568 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

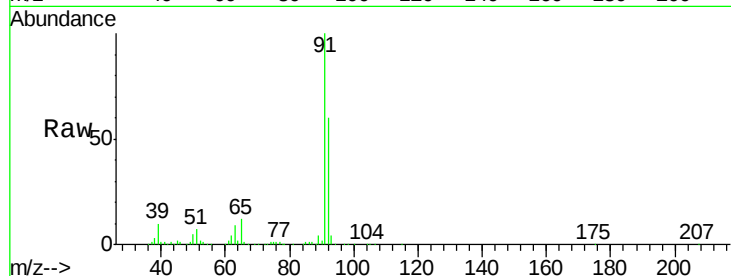
BG3M9DL

Tot Ion: 91 Resp: 931761

Ion Ratio Lower Upper

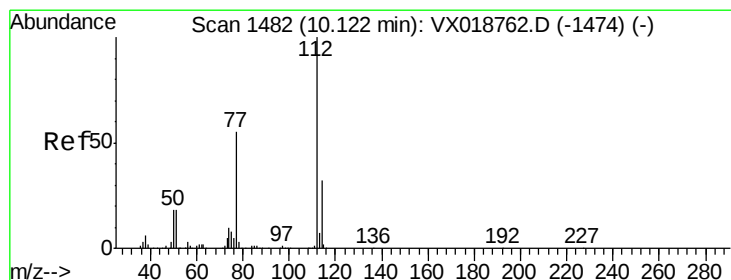
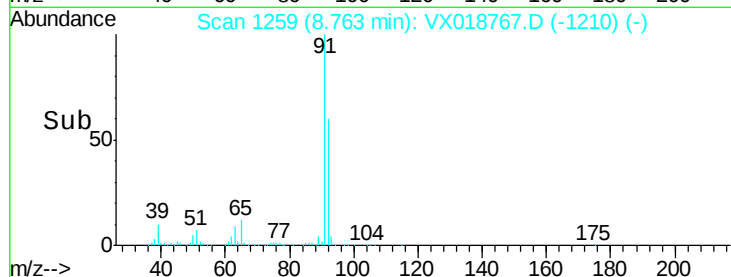
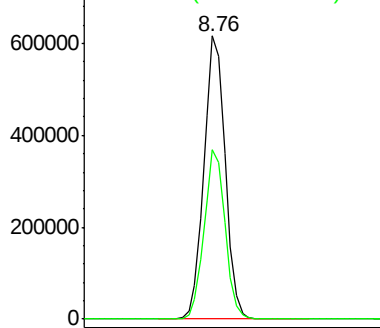
91 100

92 59.9 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: 0.147 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

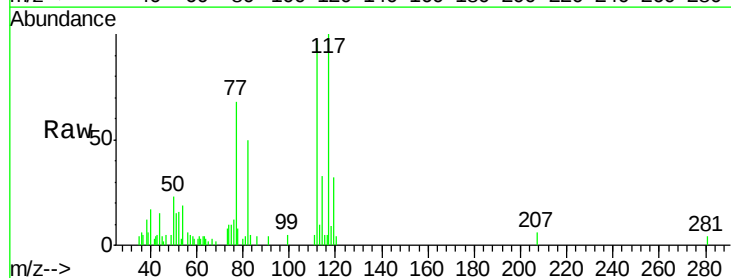
Tgt Ion: 112 Resp: 3275

Ion Ratio Lower Upper

112 100

114 34.5 21.3 39.5

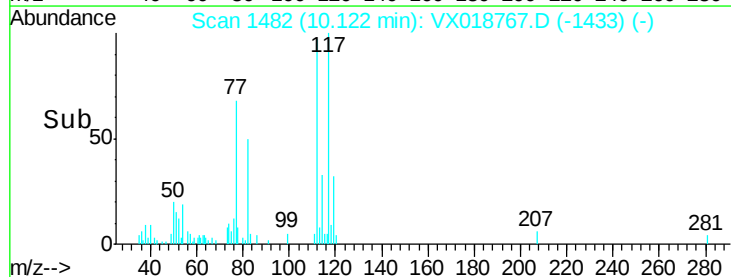
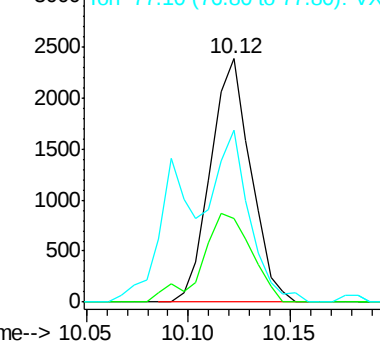
77 70.4 42.4 63.6#

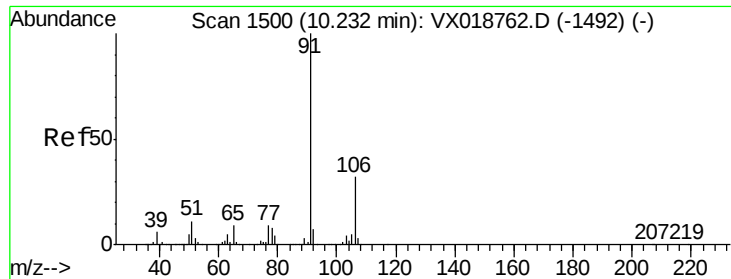


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 2.096 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018767.D

Acq: 05 Oct 2020 15:47

Instrument :

MSVOA_X

ClientSampleId :

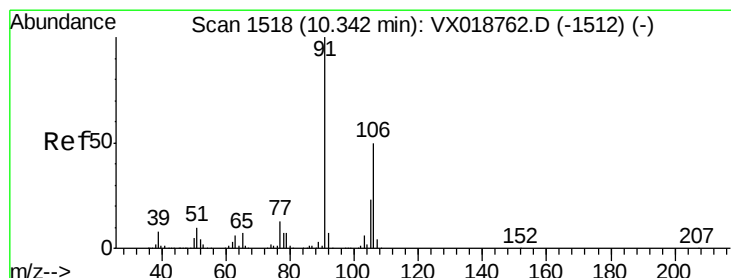
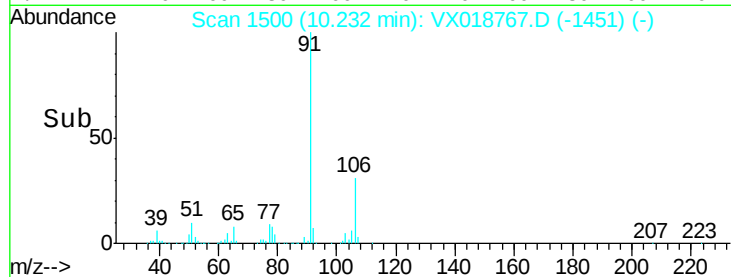
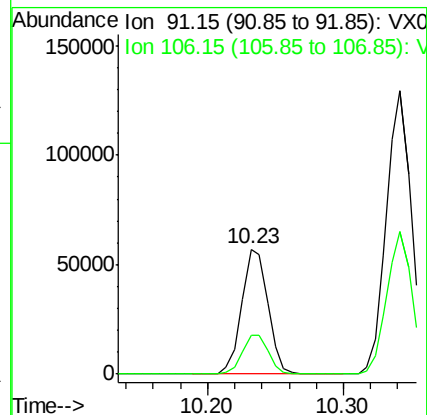
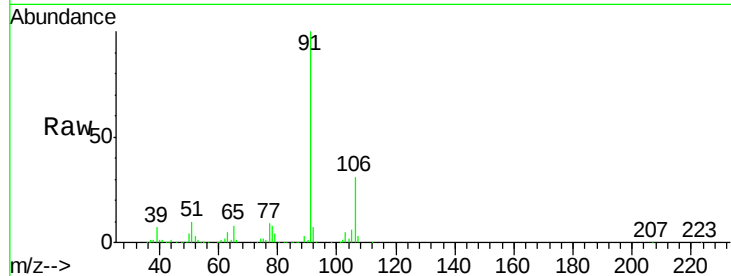
BG3M9DL

Tot Ion: 91 Resp: 76628

Ion Ratio Lower Upper

91 100

106 31.1 21.5 39.9



#55

m,p-xylene

Concen: 5.955 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018767.D

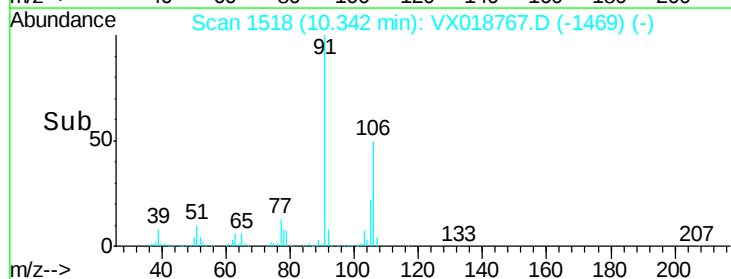
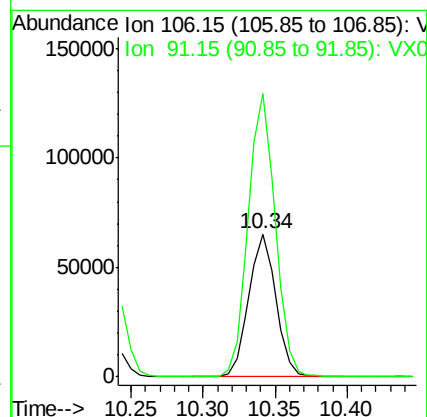
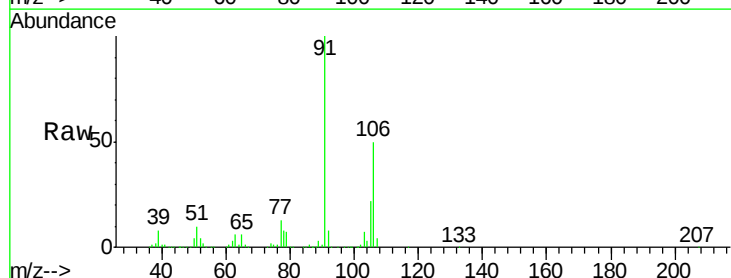
Acq: 05 Oct 2020 15:47

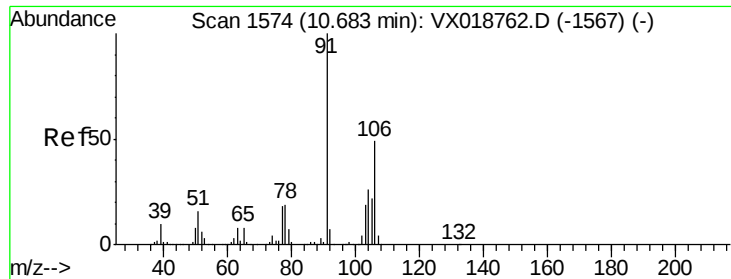
Tgt Ion: 106 Resp: 84928

Ion Ratio Lower Upper

106 100

91 198.1 143.4 266.2

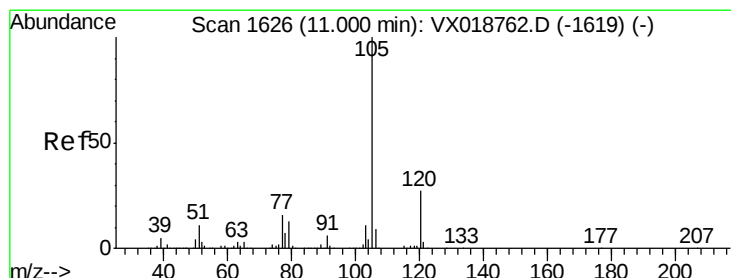
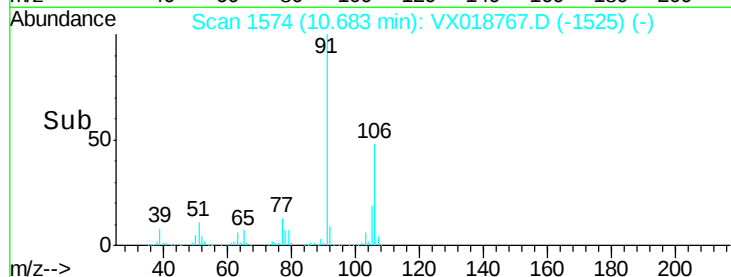
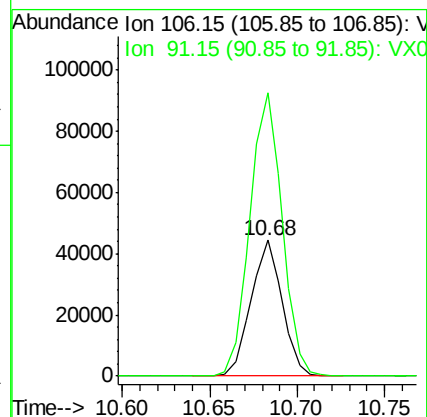
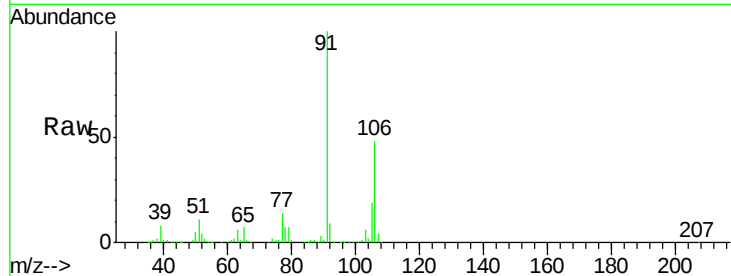




#56
o-xylene
Concen: 4.177 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018767.D
Acq: 05 Oct 2020 15:47

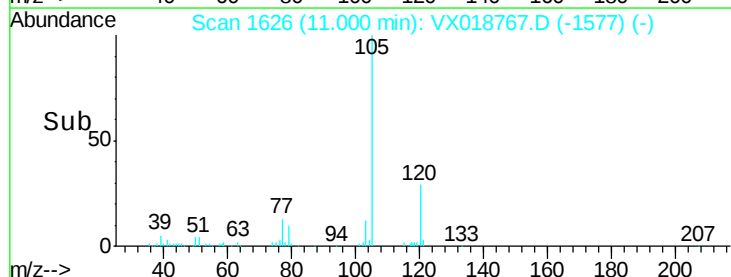
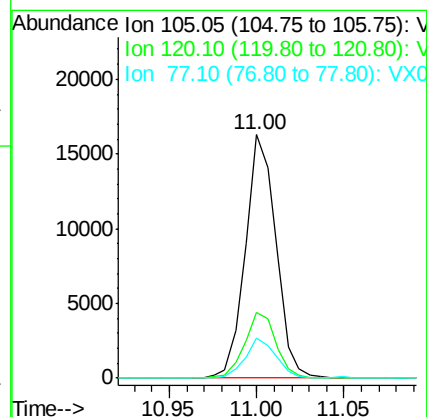
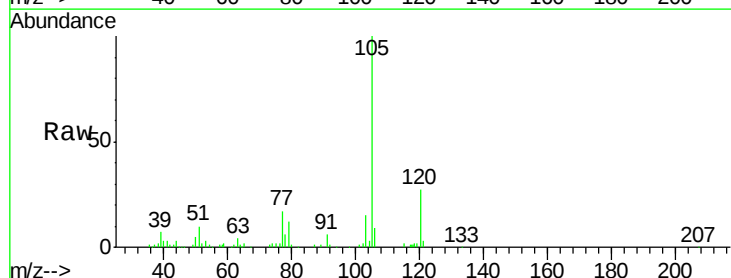
Instrument :
MSVOA_X
ClientSampled :
BG3M9DL

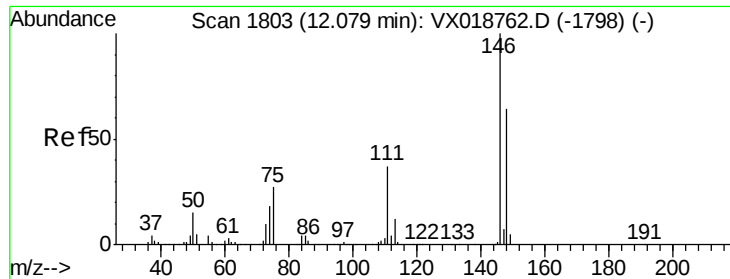
Tot Ion:106 Resp: 55053
Ion Ratio Lower Upper
106 100
91 208.5 153.4 284.8



#58
Isopropylbenzene
Concen: 0.538 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. 0.00 min
Lab File: VX018767.D
Acq: 05 Oct 2020 15:47

Tgt Ion:105 Resp: 19846
Ion Ratio Lower Upper
105 100
120 27.8 20.2 30.2
77 16.2 13.3 19.9

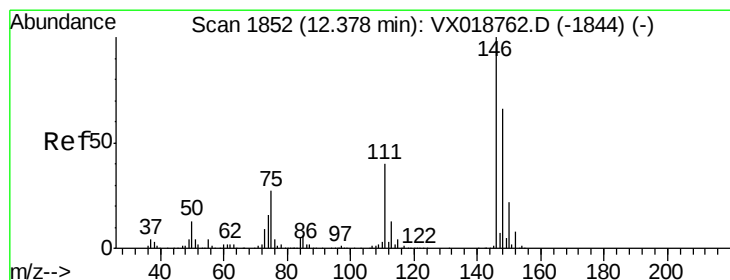
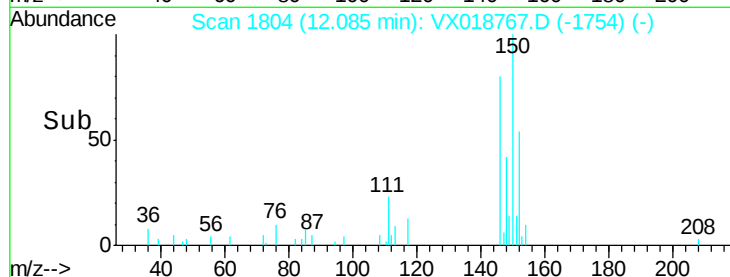
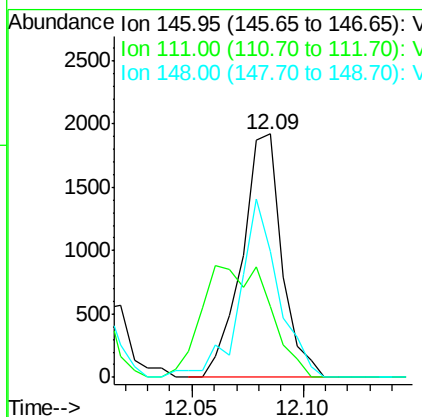
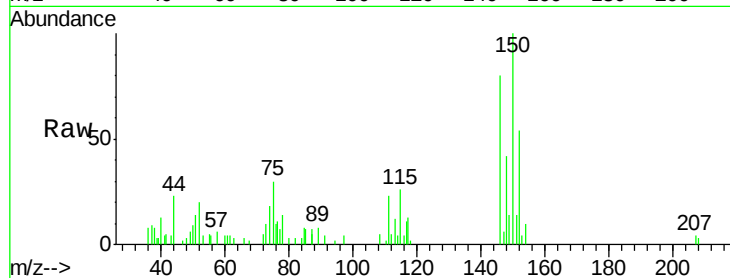




#64
 1,4-Dichlorobenzene
 Concen: 0.140 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018767.D
 Acq: 05 Oct 2020 15:47

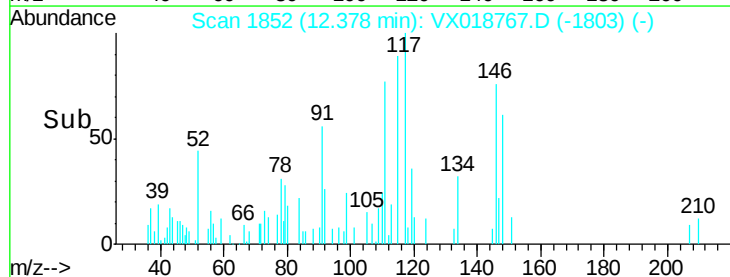
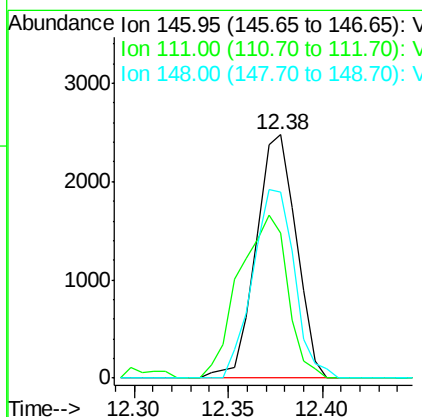
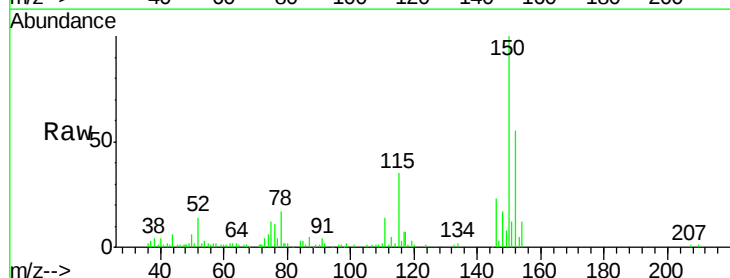
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3M9DL

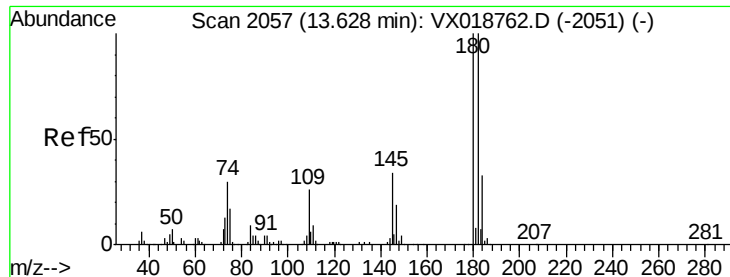
Tot Ion:146 Resp: 2411
 Ion Ratio Lower Upper
 146 100
 111 29.0 28.6 53.2
 148 51.8 44.2 82.0



#66
 1,2-Dichlorobenzene
 Concen: 0.227 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX018767.D
 Acq: 05 Oct 2020 15:47

Tgt Ion:146 Resp: 3658
 Ion Ratio Lower Upper
 146 100
 111 59.8 31.7 47.5#
 148 76.2 49.0 73.6#

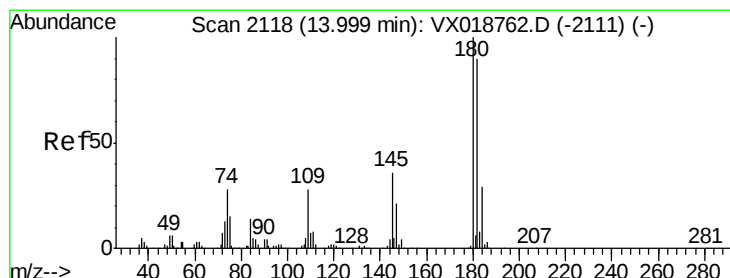
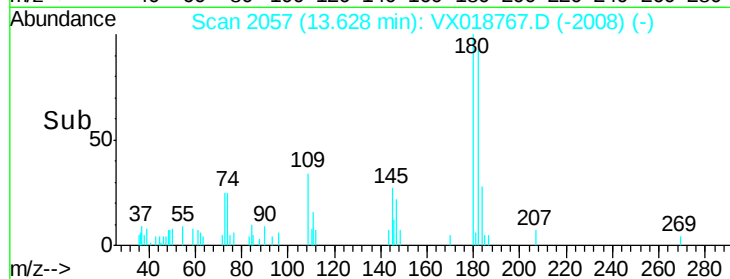
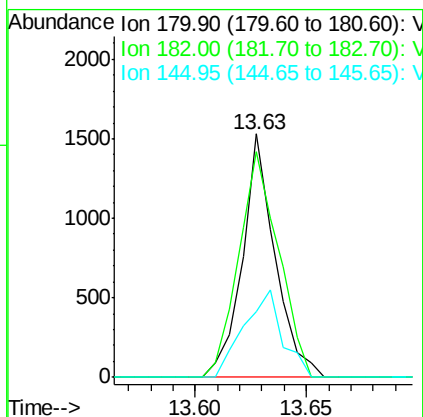
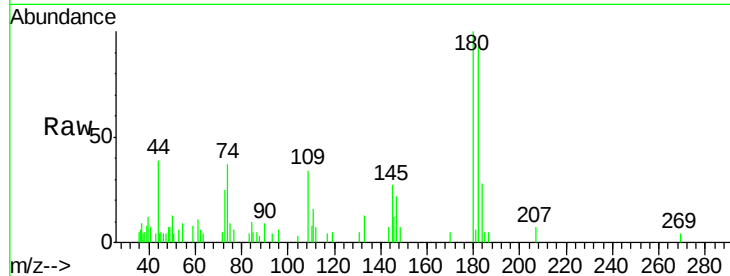




#69
 1,2,4-trichlorobenzene
 Concen: 0.143 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018767.D
 Acq: 05 Oct 2020 15:47

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3M9DL

Tot Ion:180 Resp: 1576
 Ion Ratio Lower Upper
 180 100
 182 111.9 80.2 120.4
 145 41.8 25.2 37.8#



#71
 1,2,3-Trichlorobenzene
 Concen: 0.078 ug/L
 RT: 14.01 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: VX018767.D
 Acq: 05 Oct 2020 15:47

Tgt Ion:180 Resp: 773
 Ion Ratio Lower Upper
 180 100
 182 85.8 73.6 110.4
 145 34.5 26.6 40.0

