

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
 Data File : VX018783.D
 Acq On : 05 Oct 2020 23:00
 Operator : JC/SP
 Sample : L4240-04 40X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3R2DL

Quant Time: Oct 06 06:06:35 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	138919	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	133205	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	60015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	38345	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.70	69	34994	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.34	63	69876	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.56	46	131241	61.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.32%
24) Chloroform-d	5.14	84	99450	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	6.03	65	57120	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	6.05	84	181211	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
36) 1,2-Dichloropropane-d6	7.37	67	55980	5.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.00%
41) Toluene-d8	8.70	98	162622	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
45) trans-1,3-Dichloropropene-	8.99	79	24223	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
48) 2-Hexanone-d5	9.43	63	104151	60.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.72%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	43674	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	66076	5.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	619	0.092	ug/L	82
12) 1,1-Dichloroethene	2.35	96	904	0.131	ug/L #	1
14) Carbon disulfide	2.56	76	1503	0.069	ug/L	95
15) Methyl Acetate	2.76	43	727	0.255	ug/L #	70
16) Methylene chloride	2.84	84	3125	0.372	ug/L	91
30) Cyclohexane	5.54	56	3211	0.294	ug/L #	22
33) Benzene	6.12	78	1772	0.064	ug/L	100
35) Methylcyclohexane	7.37	83	15100	1.294	ug/L #	20
37) 1,2-Dichloropropane	7.37	63	7054	1.009	ug/L #	84
39) cis-1,3-Dichloropropene	8.37	75	1861	0.167	ug/L #	45
44) 1,2,4-Trimethylbenzene	11.79	105	2712	0.092	ug/L	100
50) 2-Hexanone	9.43	43	13437	4.570	ug/L #	75
53) Chlorobenzene	10.12	112	139493	6.681	ug/L	96
54) Ethylbenzene	10.24	91	5068	0.148	ug/L	95
55) m,p-xylene	10.34	106	1828	0.137	ug/L	90
63) 1,3-Dichlorobenzene	12.01	146	2719	0.186	ug/L	97
64) 1,4-Dichlorobenzene	12.08	146	3489	0.240	ug/L #	89

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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

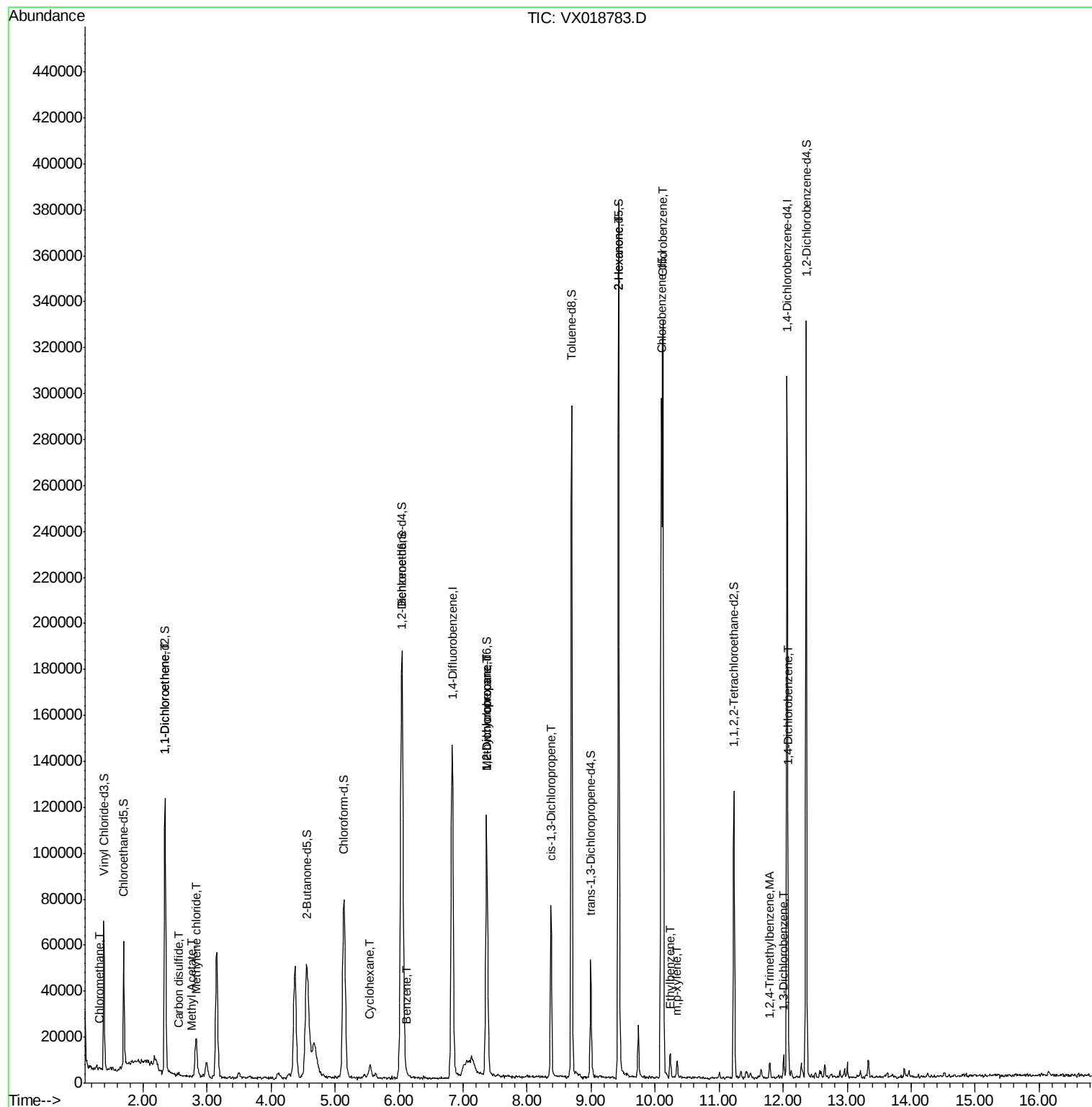
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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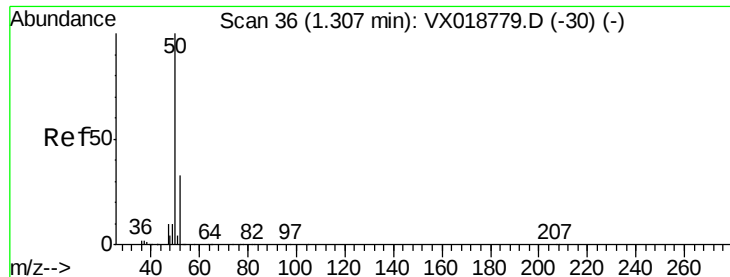
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.092 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.01 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

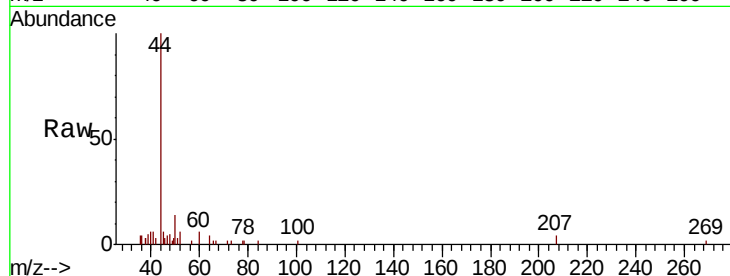
BG3R2DL

Tot Ion: 50 Resp: 619

Ion Ratio Lower Upper

50 100

52 43.5 23.4 43.6



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0

1.31

400

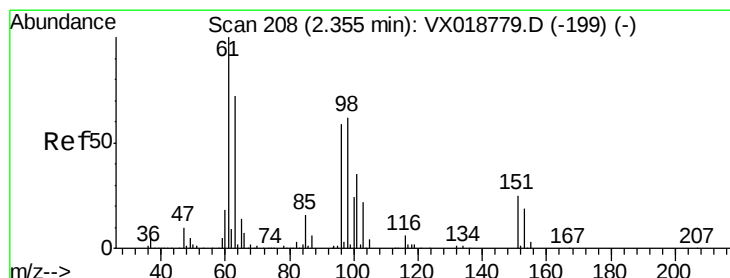
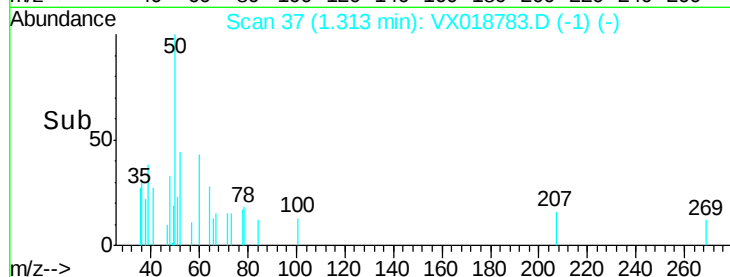
300

200

100

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.131 ug/L

RT: 2.35 min Scan# 207

Delta R.T. -0.01 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

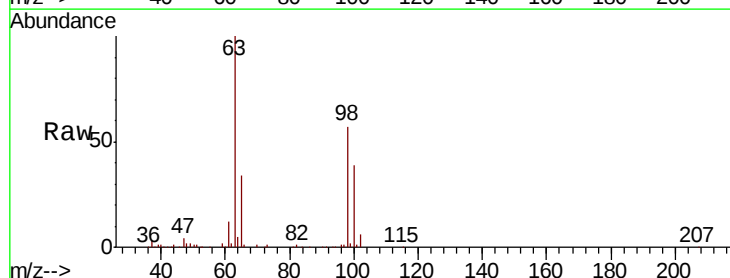
Tgt Ion: 96 Resp: 904

Ion Ratio Lower Upper

96 100

61 601.5 133.2 247.4#

63 5104.5 115.1 213.7#



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

60000

50000

40000

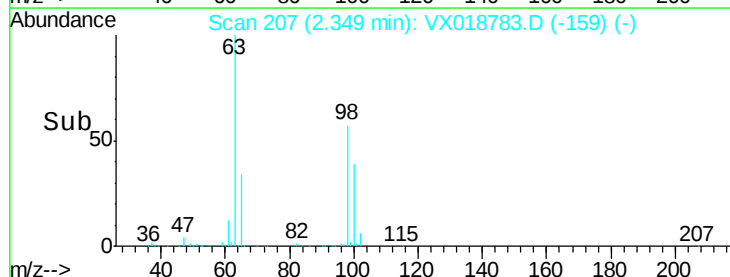
30000

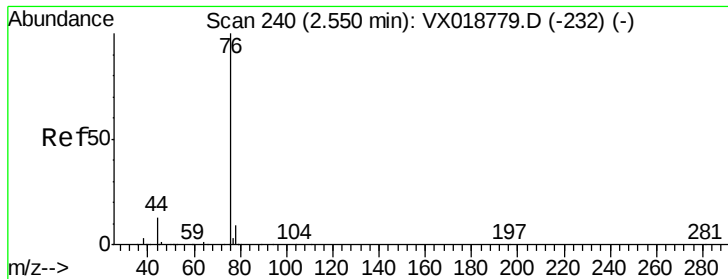
20000

10000

0

Time-->





#14

Carbon disulfide

Concen: 0.069 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

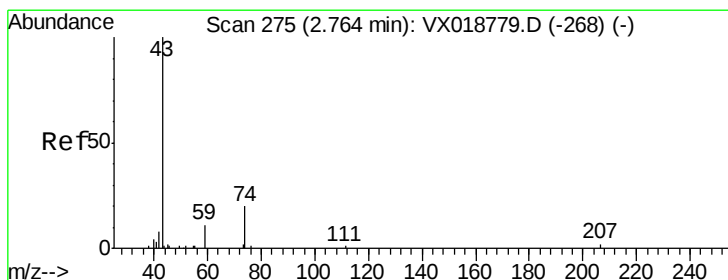
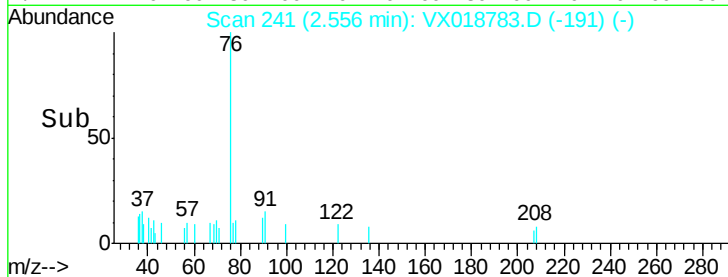
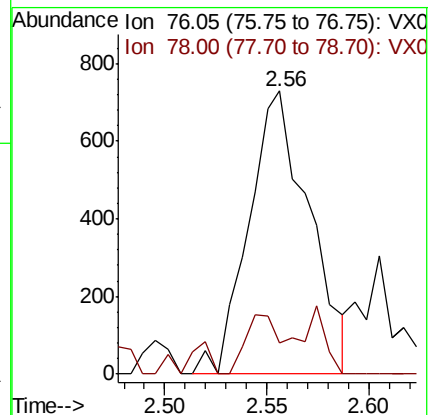
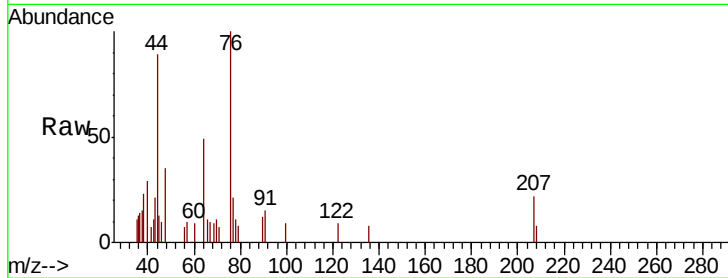
BG3R2DL

Tot Ion: 76 Resp: 1503

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.2



#15

Methyl Acetate

Concen: 0.255 ug/L

RT: 2.76 min Scan# 275

Delta R.T. 0.00 min

Lab File: VX018783.D

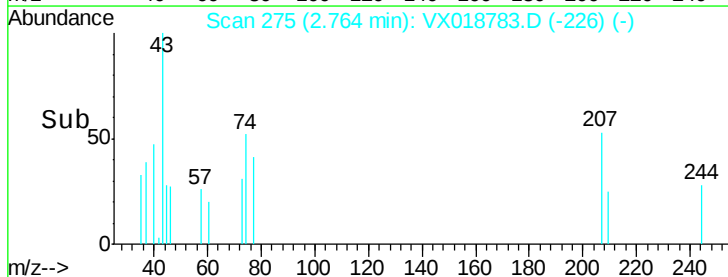
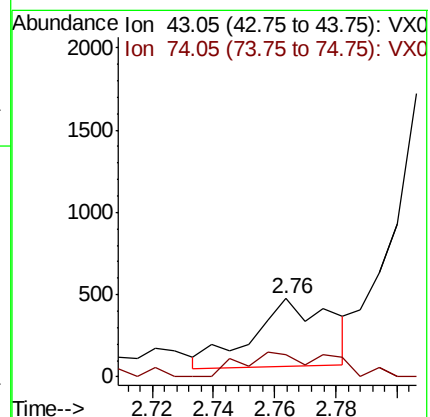
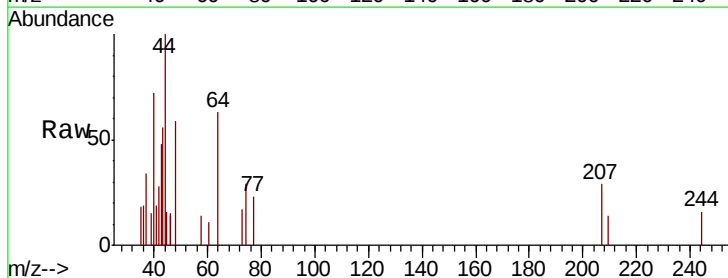
Acq: 05 Oct 2020 23:00

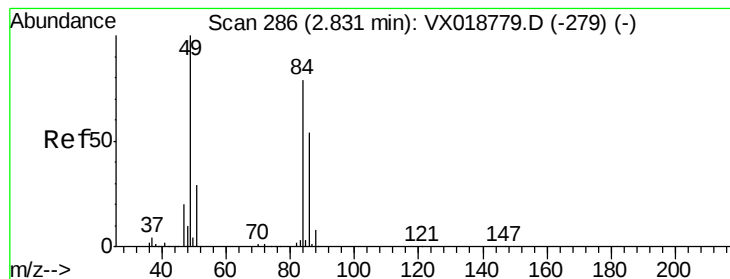
Tgt Ion: 43 Resp: 727

Ion Ratio Lower Upper

43 100

74 42.9 21.9 32.9#





#16

Methylene chloride

Concen: 0.372 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

Instrument :

MSVOA_X

ClientSampled :

BG3R2DL

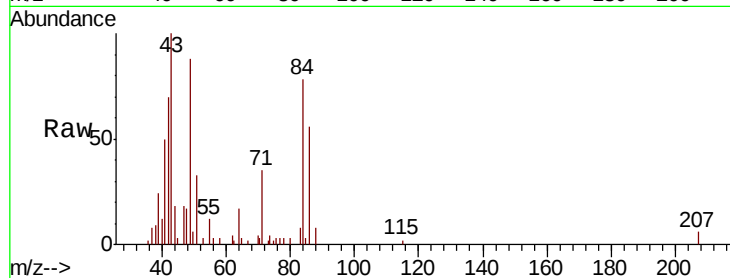
Tot Ion: 84 Resp: 3125

Ion Ratio Lower Upper

84 100

86 71.7 45.6 84.8

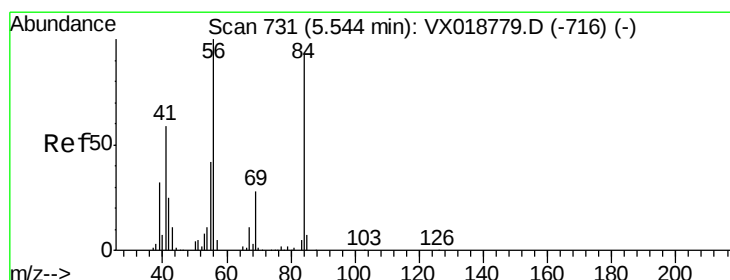
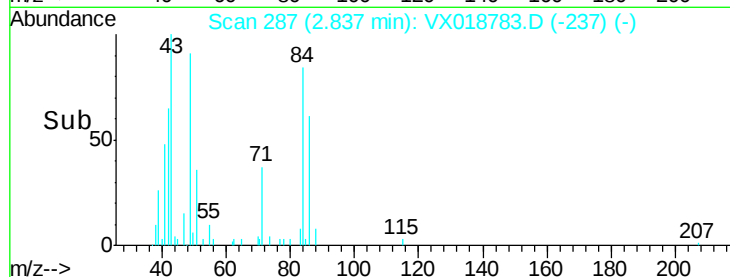
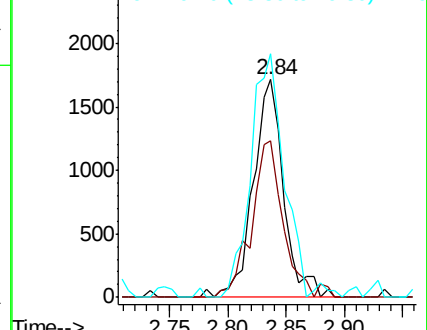
49 111.9 85.8 159.3



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



#30

Cyclohexane

Concen: 0.294 ug/L

RT: 5.54 min Scan# 731

Delta R.T. 0.00 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

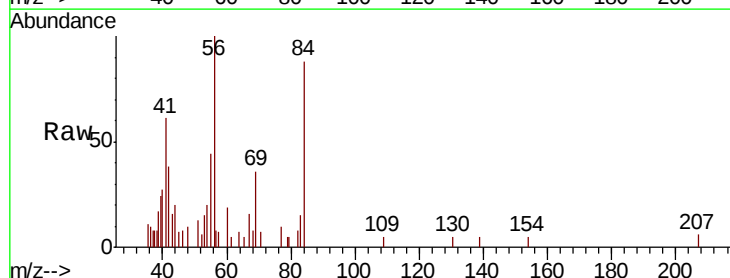
Tgt Ion: 56 Resp: 3211

Ion Ratio Lower Upper

56 100

69 18.5 26.0 39.0#

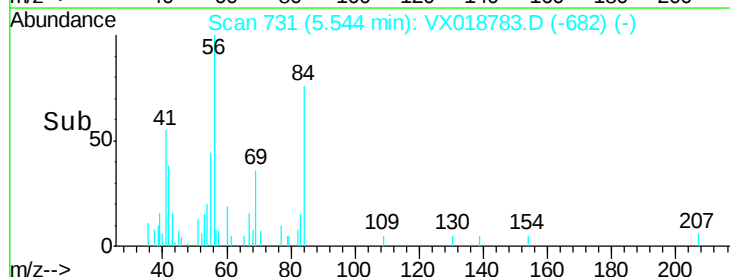
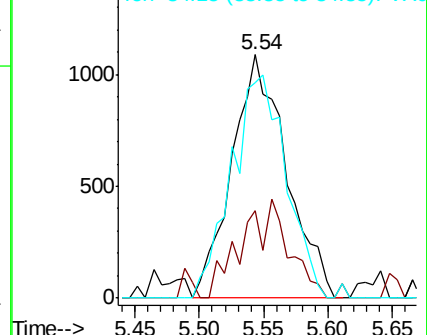
84 0.0 73.8 110.6#

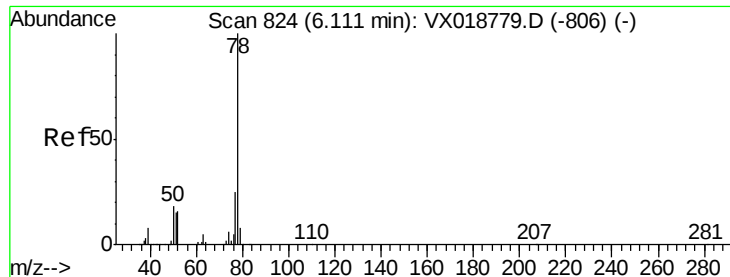


Abundance Ion 56.10 (55.80 to 56.80): VX0

Ion 69.15 (68.85 to 69.85): VX0

Ion 84.15 (83.85 to 84.85): VX0





#33

Benzene

Concen: 0.064 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

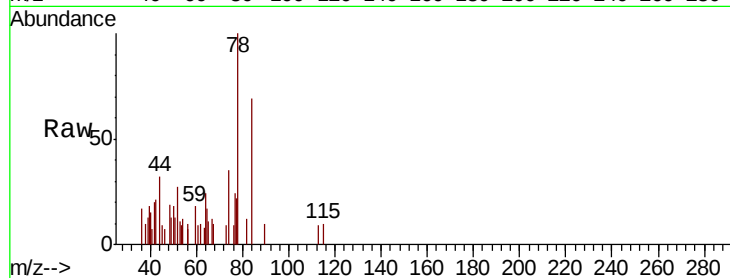
Instrument :

MSVOA_X

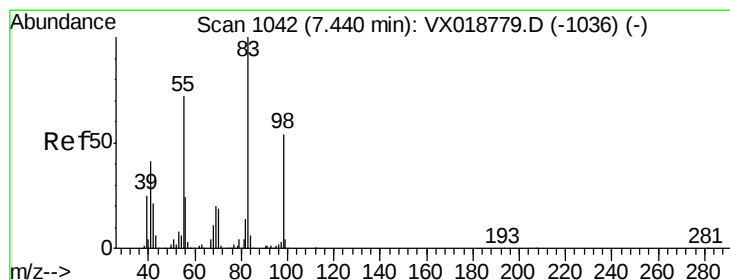
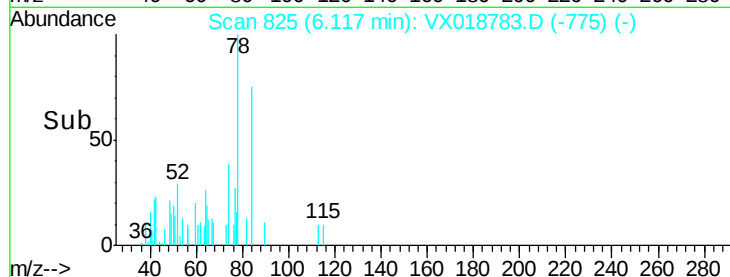
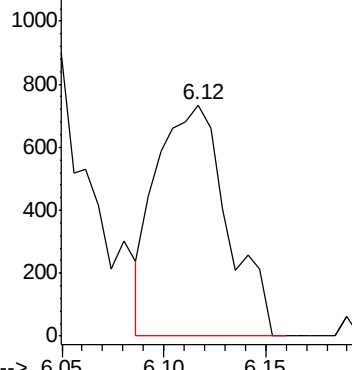
ClientSampleId :

BG3R2DL

Tgt Ion: 78 Resp: 1772



Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 1.294 ug/L

RT: 7.37 min Scan# 1030

Delta R.T. -0.07 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

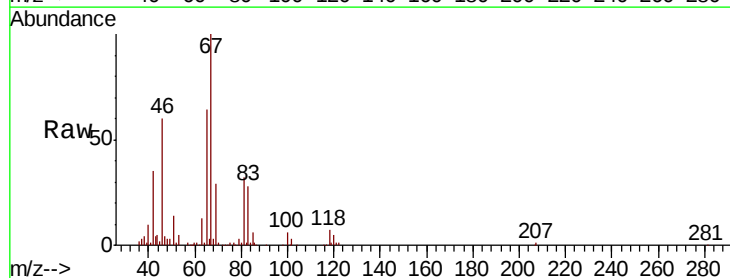
Tgt Ion: 83 Resp: 15100

Ion Ratio Lower Upper

83 100

55 0.7 60.3 90.5#

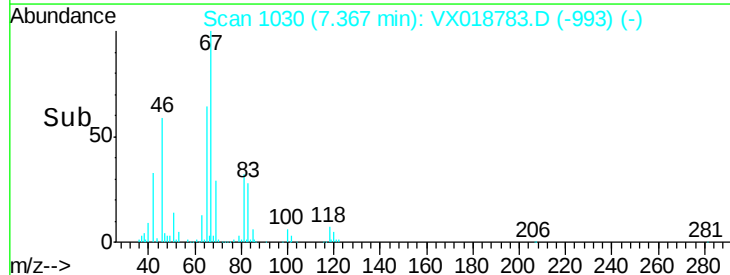
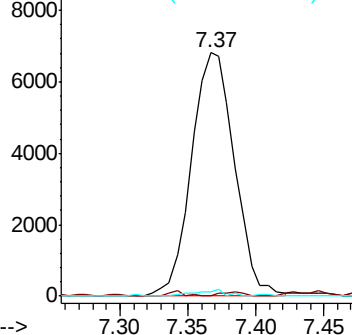
98 1.7 39.4 59.0#

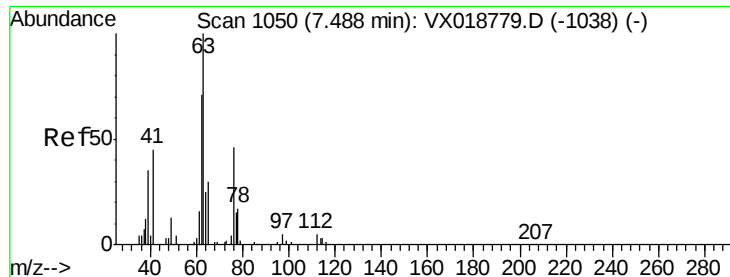


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0

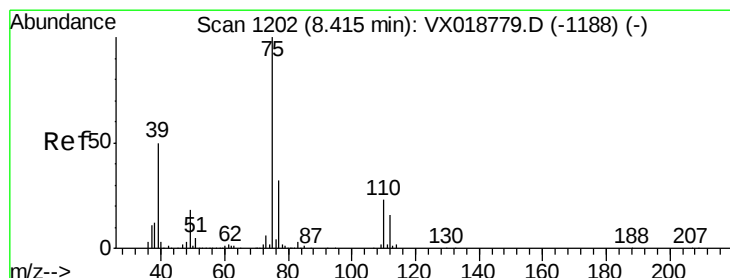
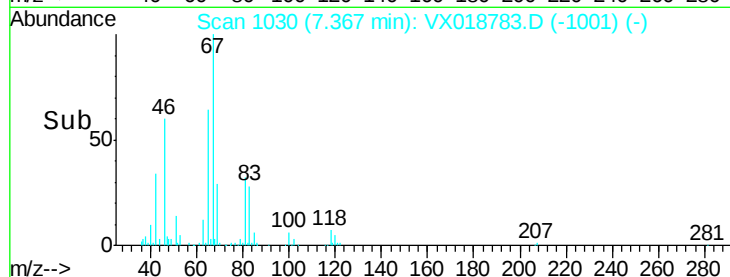
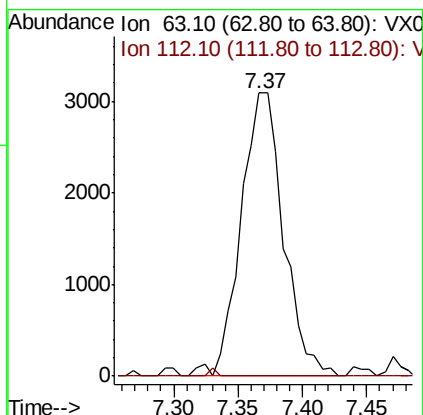
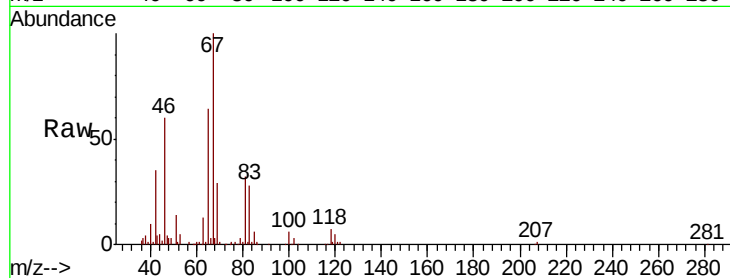




#37
 1,2-Dichloropropane
 Concen: 1.009 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018783.D
 Acq: 05 Oct 2020 23:00

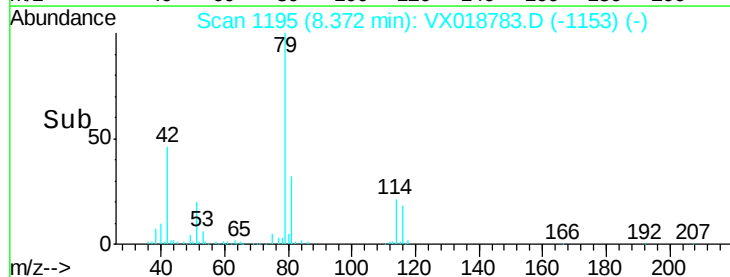
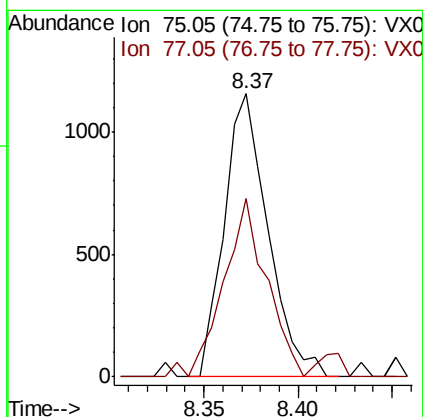
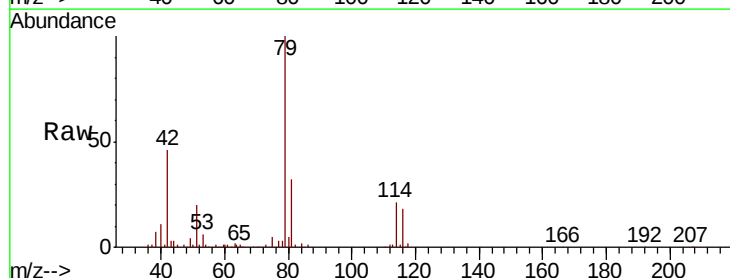
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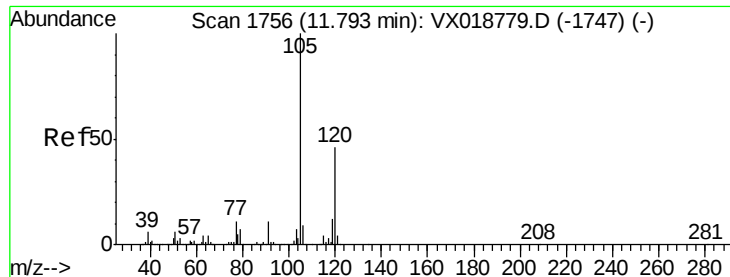
Tot Ion: 63 Resp: 7054
 Ion Ratio Lower Upper
 63 100
 112 0.5 4.7 7.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.167 ug/L
 RT: 8.37 min Scan# 1195
 Delta R.T. -0.04 min
 Lab File: VX018783.D
 Acq: 05 Oct 2020 23:00

Tgt Ion: 75 Resp: 1861
 Ion Ratio Lower Upper
 75 100
 77 63.1 22.5 41.7#





#44

1,2,4-Trimethylbenzene

Concen: 0.092 ug/L

RT: 11.79 min Scan# 1755

Delta R.T. -0.01 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

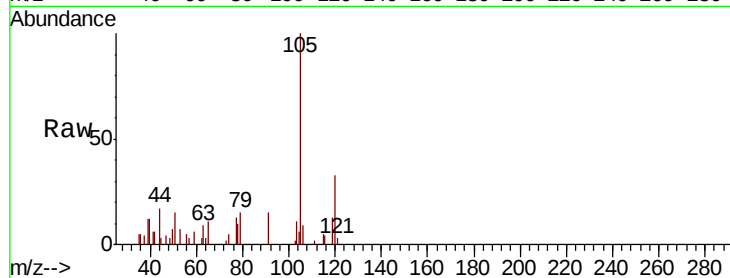
BG3R2DL

Tot Ion:105 Resp: 2712

Ion Ratio Lower Upper

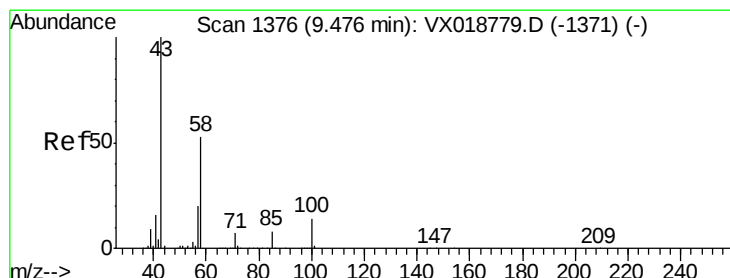
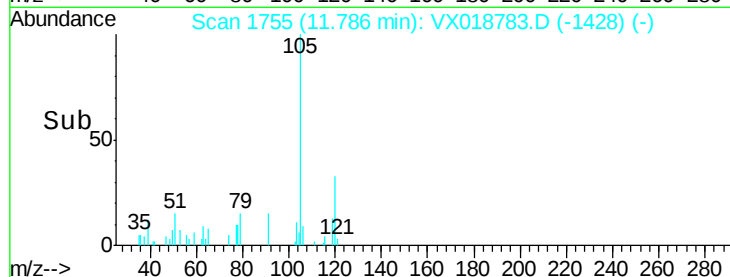
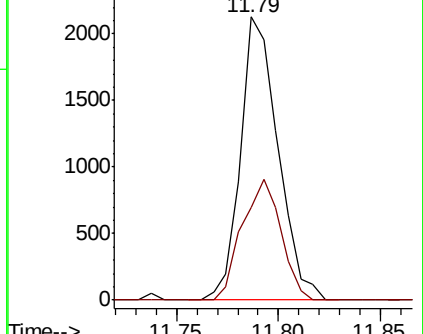
105 100

120 44.2 35.1 52.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#50

2-Hexanone

Concen: 4.570 ug/L

RT: 9.43 min Scan# 1368

Delta R.T. -0.05 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

Tgt Ion: 43 Resp: 13437

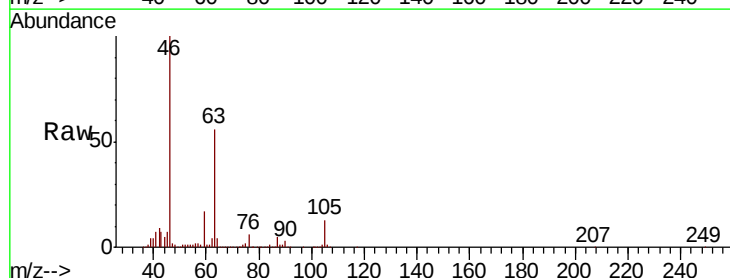
Ion Ratio Lower Upper

43 100

58 32.3 41.0 61.4#

57 28.9 15.9 23.9#

100 1.5 10.1 15.1#

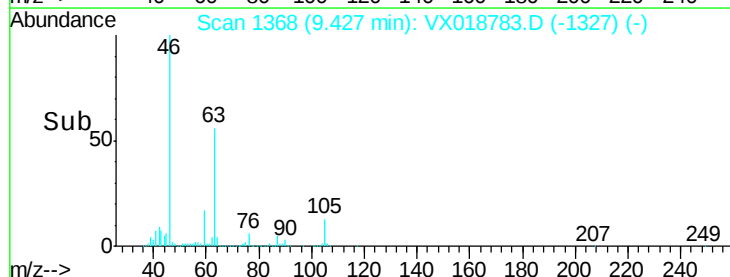
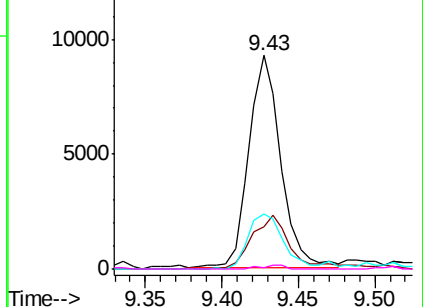


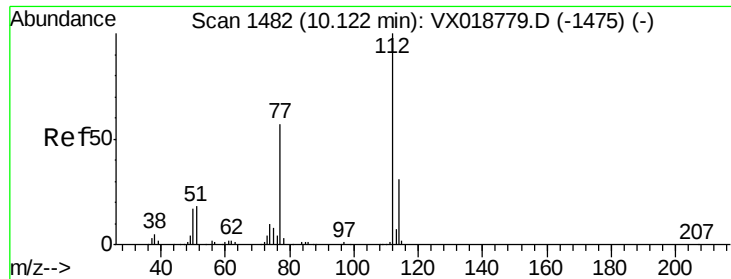
Abundance Ion 43.05 (42.75 to 43.75): VX0

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





#53

Chlorobenzene

Concen: 6.681 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

Instrument :

MSVOA_X

ClientSampled :

BG3R2DL

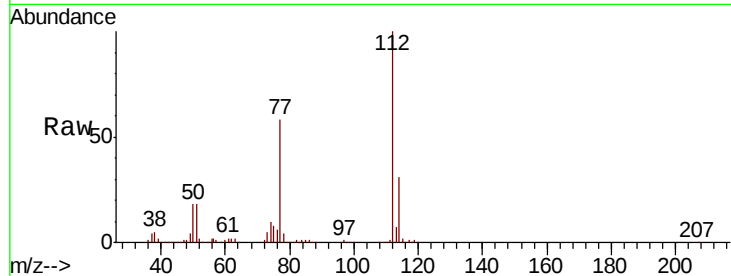
Tot Ion:112 Resp: 139493

Ion Ratio Lower Upper

112 100

114 30.5 21.3 39.5

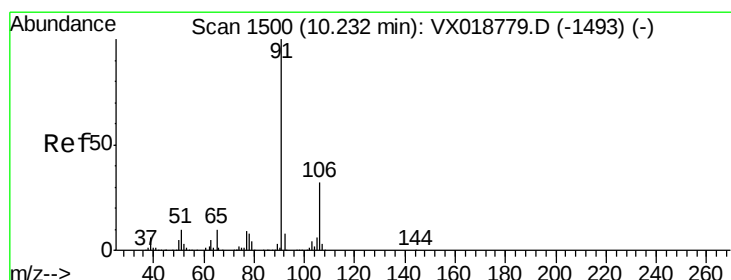
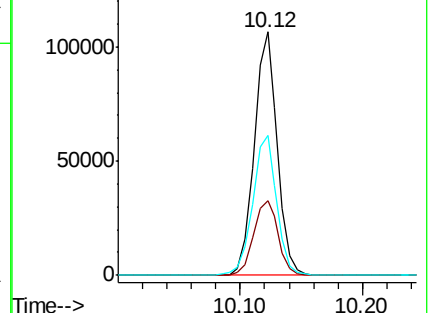
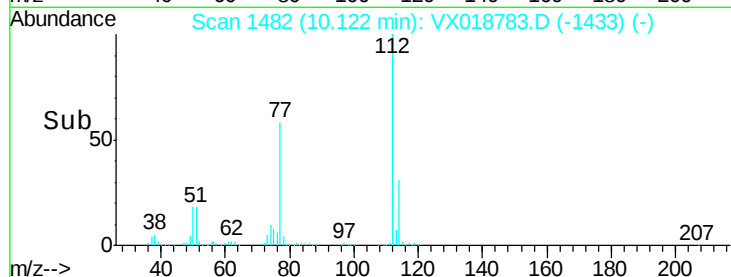
77 57.7 42.4 63.6



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: 0.148 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018783.D

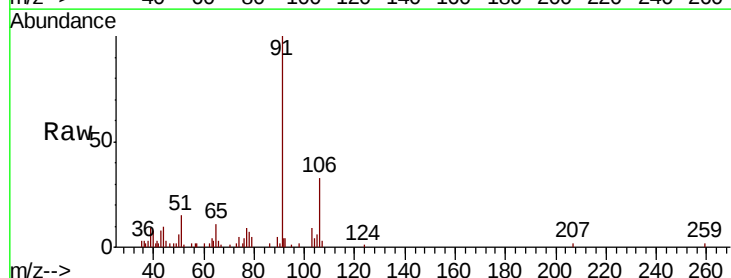
Acq: 05 Oct 2020 23:00

Tgt Ion: 91 Resp: 5068

Ion Ratio Lower Upper

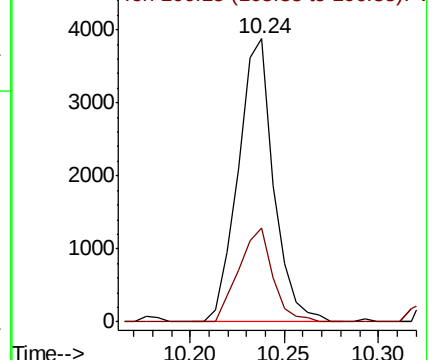
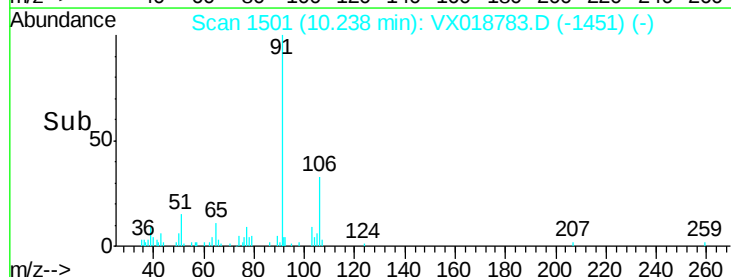
91 100

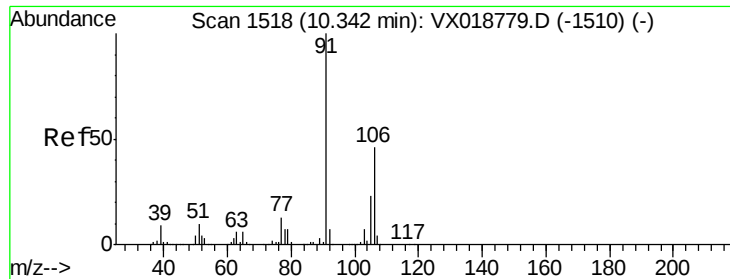
106 33.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.137 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

Instrument :

MSVOA_X

ClientSampleId :

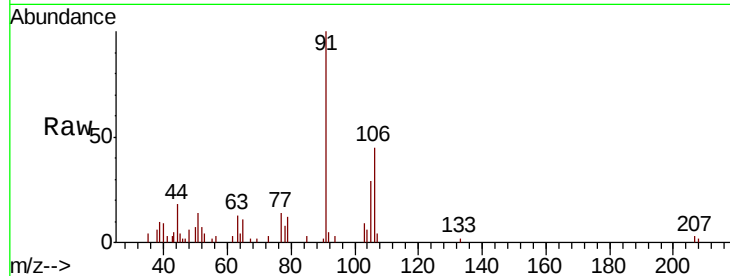
BG3R2DL

Tot Ion:106 Resp: 1828

Ion Ratio Lower Upper

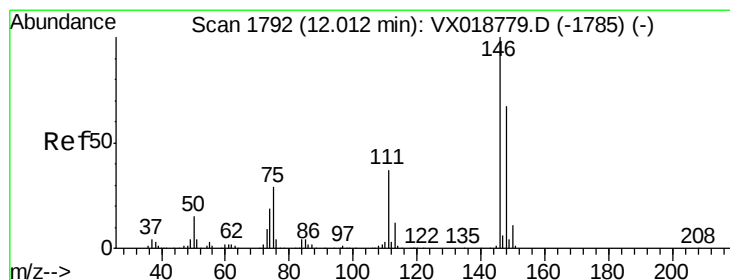
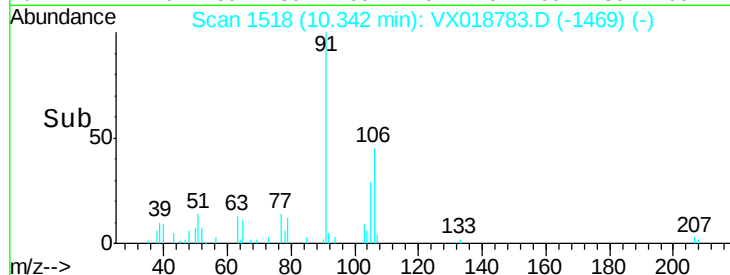
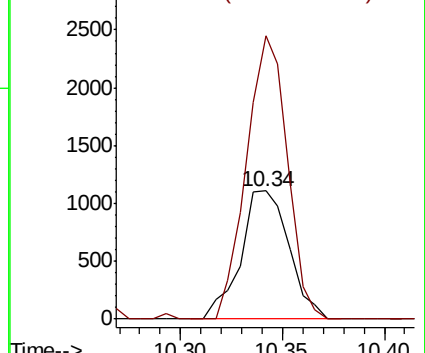
106 100

91 220.5 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#63

1,3-Dichlorobenzene

Concen: 0.186 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018783.D

Acq: 05 Oct 2020 23:00

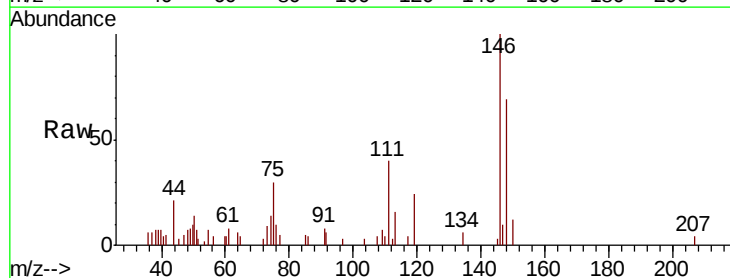
Tgt Ion:146 Resp: 2719

Ion Ratio Lower Upper

146 100

111 40.2 28.4 52.8

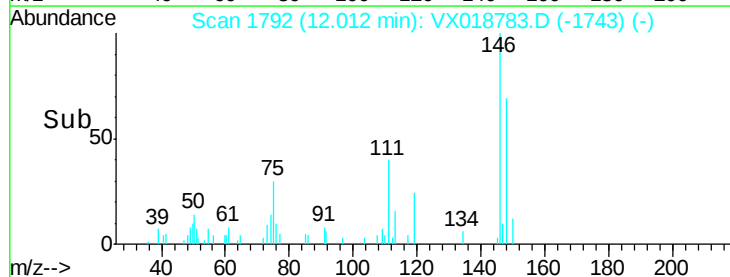
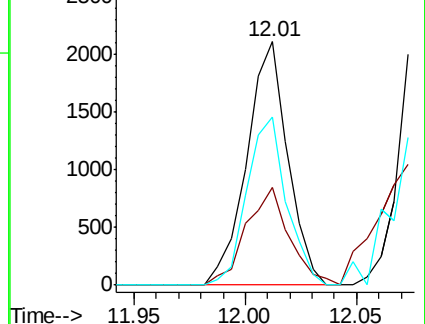
148 69.1 45.9 85.3

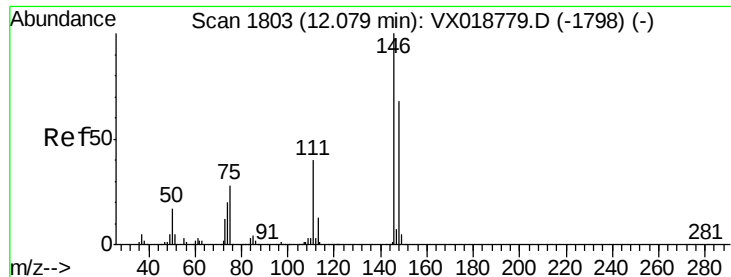


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64
 1,4-Dichlorobenzene
 Concen: 0.240 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018783.D
 Acq: 05 Oct 2020 23:00

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3R2DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.5	28.6	53.2#
148	66.6	44.2	82.0

