

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100520\
 Data File : VX018784.D
 Acq On : 05 Oct 2020 23:26
 Operator : JC/SP
 Sample : L4240-05 40X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3R3DL

Quant Time: Oct 06 06:06:50 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	138280	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	132326	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	59549	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	37206	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.70	69	33003	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.34	63	66165	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.56	46	129146	60.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.90%
24) Chloroform-d	5.13	84	94547	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	6.02	65	55364	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	6.05	84	175588	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	7.37	67	52883	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	8.70	98	155997	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
45) trans-1,3-Dichloropropene-	8.99	79	23378	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
48) 2-Hexanone-d5	9.43	63	99917	58.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.58%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	41842	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	63400	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

Target Compounds

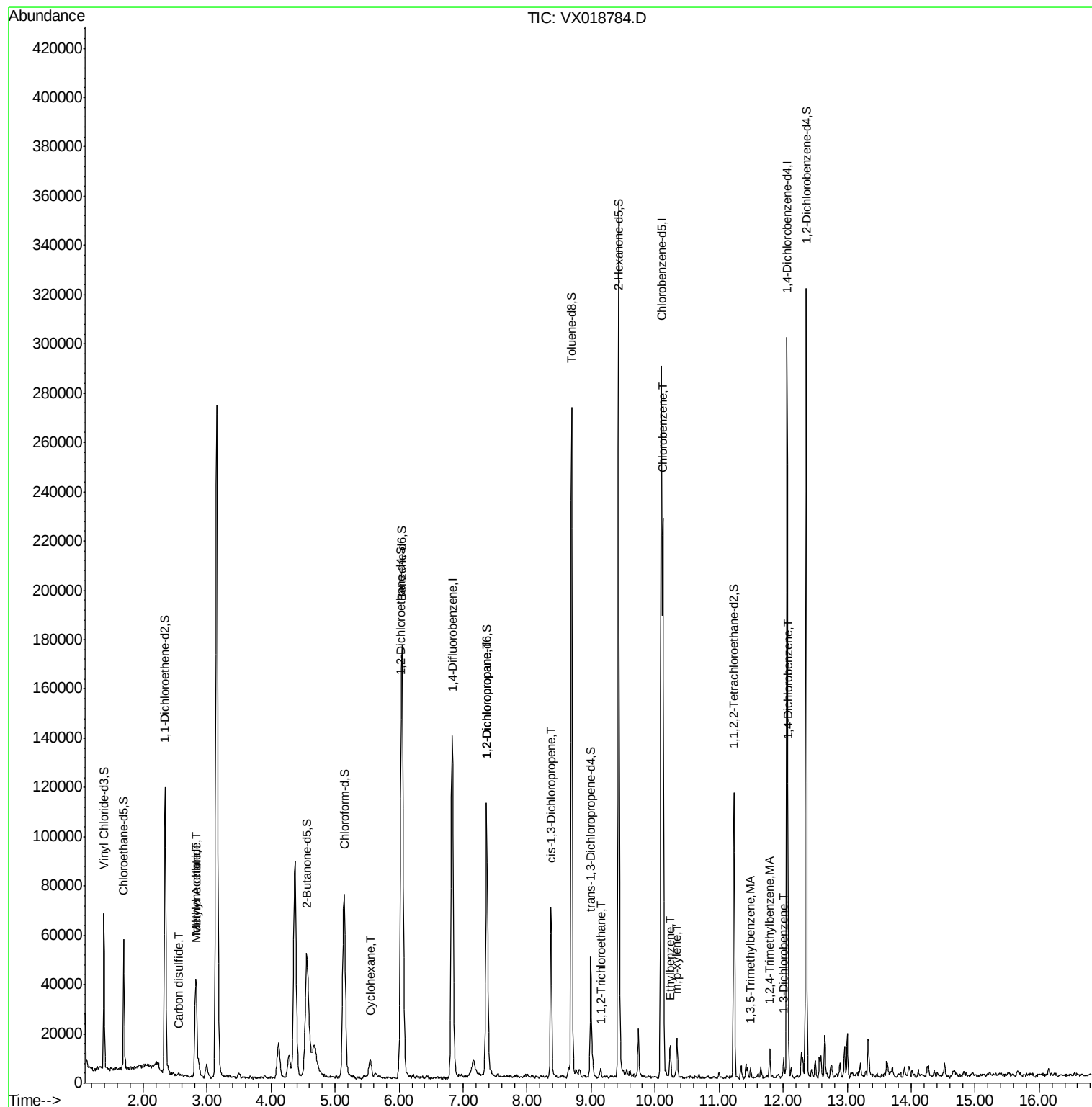
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.54	76	1194	0.055	ug/L #	70
15) Methyl Acetate	2.82	43	27971	9.838	ug/L #	48
16) Methylene chloride	2.84	84	3064	0.367	ug/L	89
30) Cyclohexane	5.54	56	4728	0.435	ug/L #	86
37) 1,2-Dichloropropane	7.37	63	6868	0.989	ug/L #	84
39) cis-1,3-Dichloropropene	8.38	75	1633	0.147	ug/L #	79
43) 1,3,5-Trimethylbenzene	11.49	105	1710	0.060	ug/L	95
44) 1,2,4-Trimethylbenzene	11.79	105	4760	0.163	ug/L	88
47) 1,1,2-Trichloroethane	9.15	97	876	0.167	ug/L #	21
53) Chlorobenzene	10.12	112	96759	4.665	ug/L	97
54) Ethylbenzene	10.24	91	6713	0.197	ug/L	89
55) m,p-xylene	10.34	106	3980	0.300	ug/L	94
63) 1,3-Dichlorobenzene	12.01	146	1616	0.112	ug/L	91
64) 1,4-Dichlorobenzene	12.08	146	2470	0.171	ug/L #	88

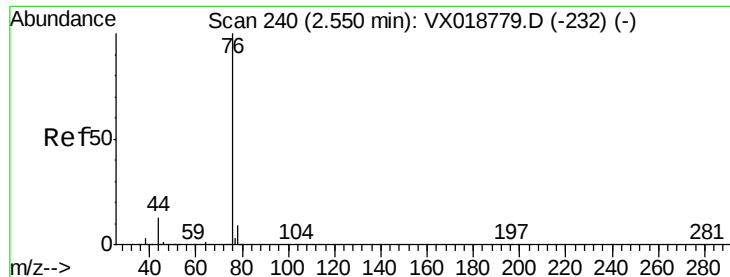
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 06 05:58:52 2020
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.055 ug/L

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX018784.D

Acq: 05 Oct 2020 23:26

Instrument :

MSVOA_X

ClientSampleID :

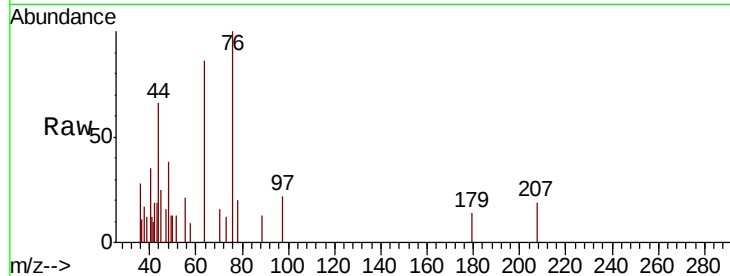
BG3R3DL

Tot Ion: 76 Resp: 1194

Ion Ratio Lower Upper

76 100

78 20.1 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

2.54

600

500

400

300

200

100

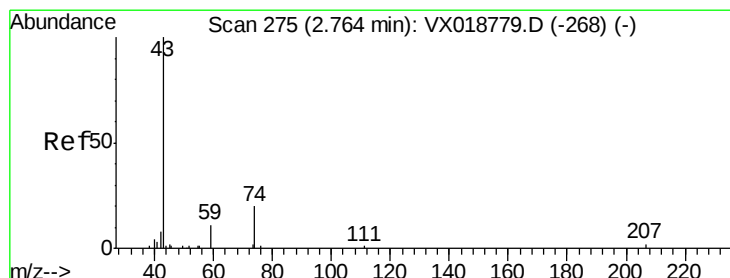
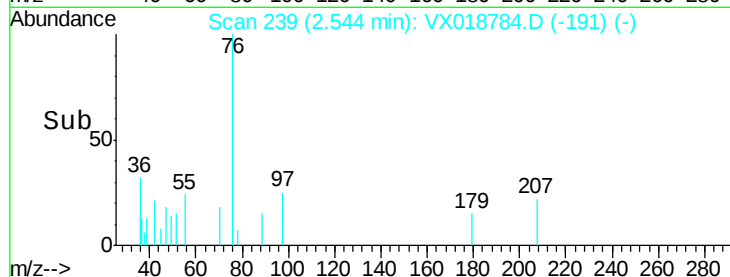
0

2.50

2.55

2.60

Time-->



#15

Methyl Acetate

Concen: 9.838 ug/L

RT: 2.82 min Scan# 285

Delta R.T. 0.06 min

Lab File: VX018784.D

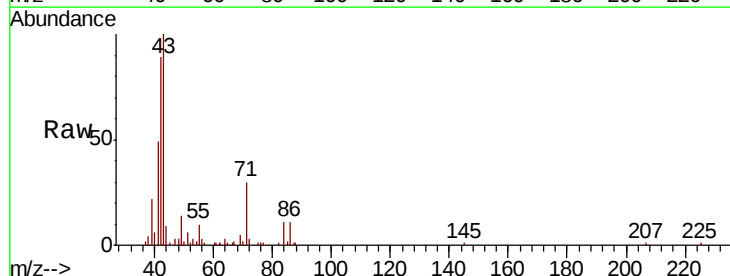
Acq: 05 Oct 2020 23:26

Tgt Ion: 43 Resp: 27971

Ion Ratio Lower Upper

43 100

74 0.2 21.9 32.9#



Abundance Ion 43.05 (42.75 to 43.75): VX0

12000 Ion 74.05 (73.75 to 74.75): VX0

10000

8000

6000

4000

2000

0

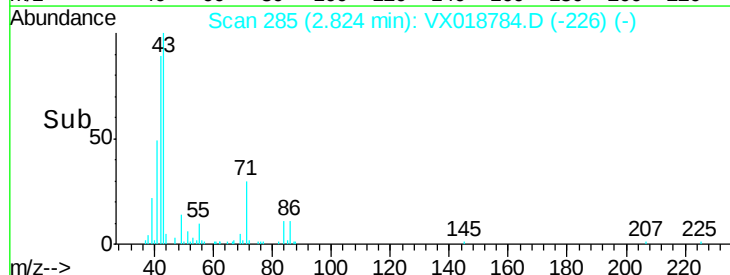
2.70

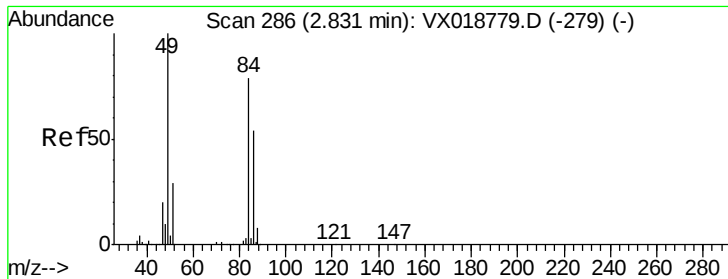
2.80

2.90

3.00

Time-->

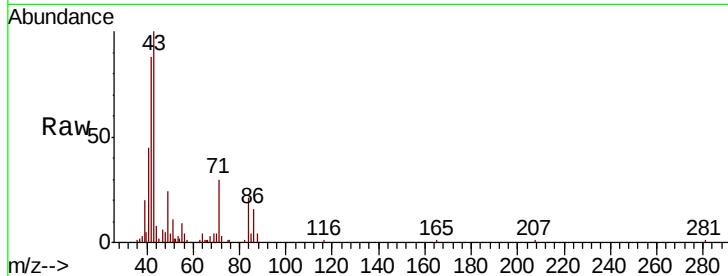




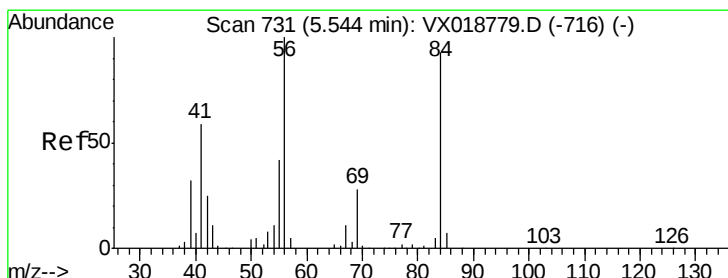
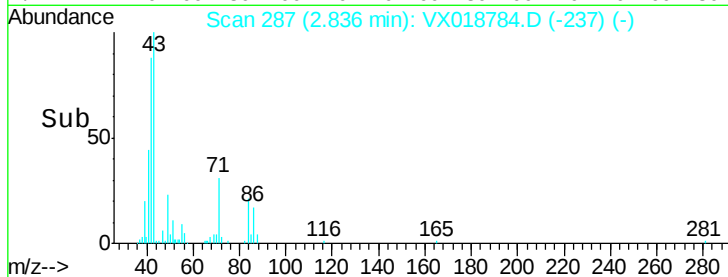
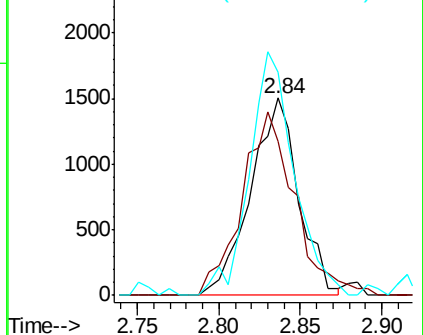
#16
Methvlene chloride
Concen: 0.367 ug/L
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018784.D
Acq: 05 Oct 2020 23:26

Instrument :
MSVOA_X
ClientSampleId :
BG3R3DL

Tot Ion: 84 Resp: 3064
Ion Ratio Lower Upper
84 100
86 78.1 45.6 84.8
49 113.3 85.8 159.3

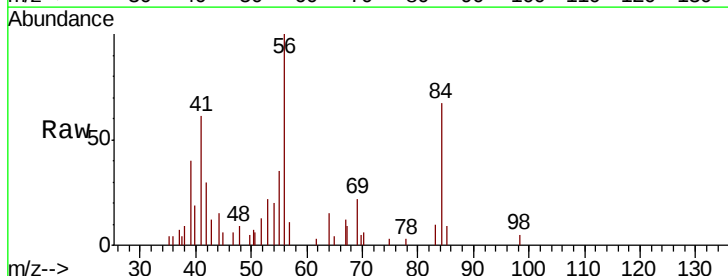


Abundance Ion 84.05 (83.75 to 84.75): VX0
Ion 86.00 (85.70 to 86.70): VX0
Ion 49.10 (48.80 to 49.80): VX0

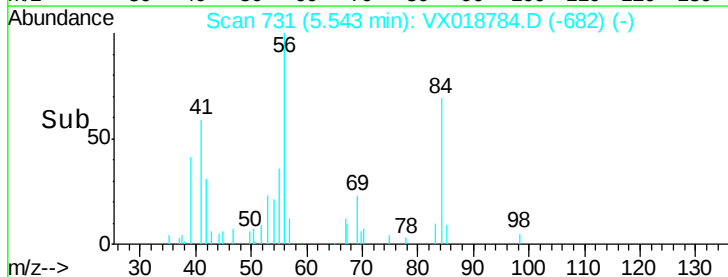
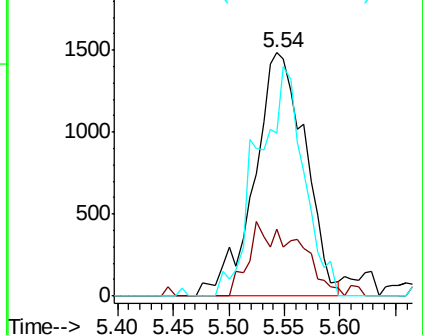


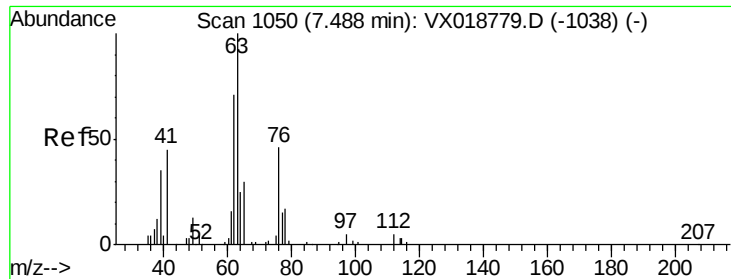
#30
Cyclohexane
Concen: 0.435 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.00 min
Lab File: VX018784.D
Acq: 05 Oct 2020 23:26

Tgt Ion: 56 Resp: 4728
Ion Ratio Lower Upper
56 100
69 12.5 26.0 39.0#
84 85.7 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

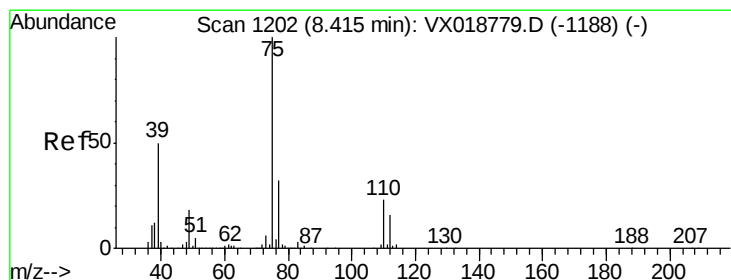
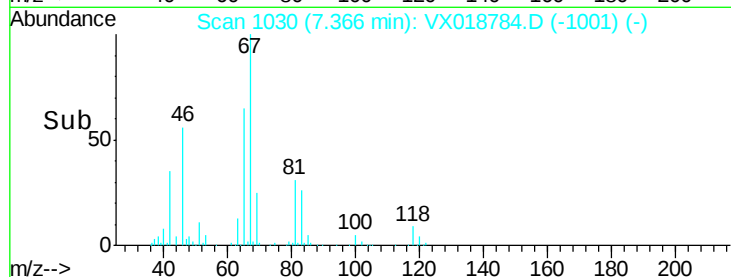
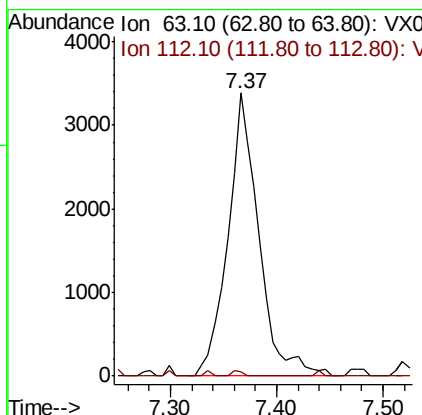
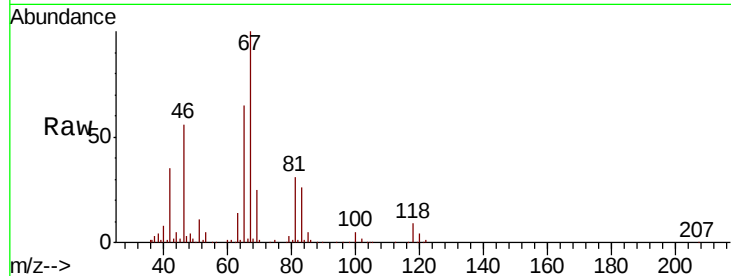




#37
 1,2-Dichloropropane
 Concen: 0.989 ug/L
 RT: 7.37 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VX018784.D
 Acq: 05 Oct 2020 23:26

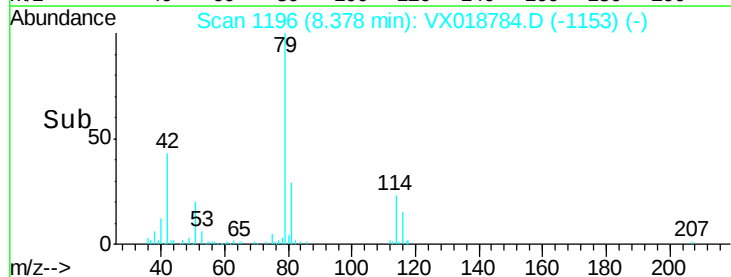
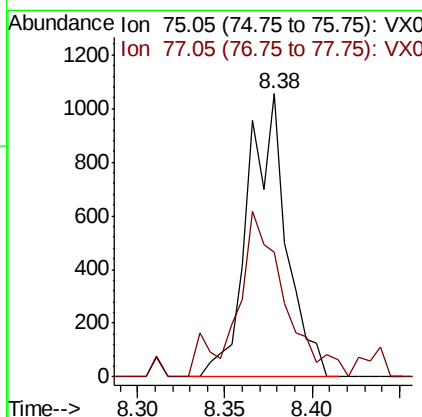
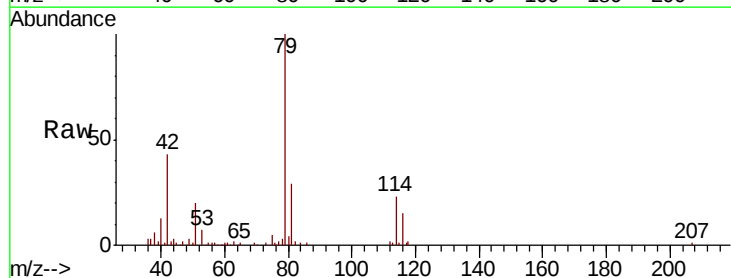
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3R3DL

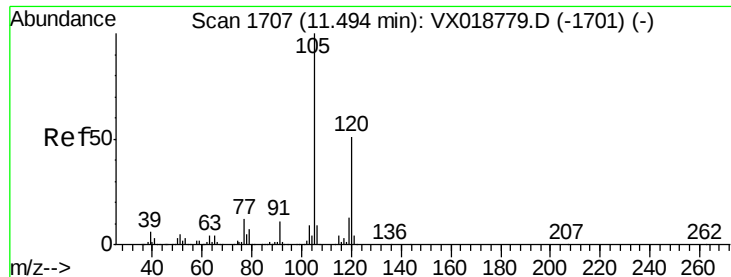
Tot Ion: 63 Resp: 6868
 Ion Ratio Lower Upper
 63 100
 112 0.6 4.7 7.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.147 ug/L
 RT: 8.38 min Scan# 1196
 Delta R.T. -0.04 min
 Lab File: VX018784.D
 Acq: 05 Oct 2020 23:26

Tgt Ion: 75 Resp: 1633
 Ion Ratio Lower Upper
 75 100
 77 44.0 22.5 41.7#

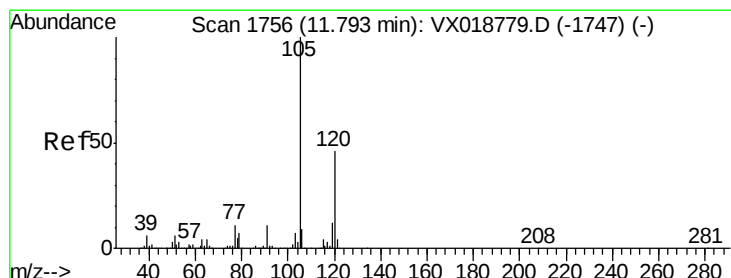
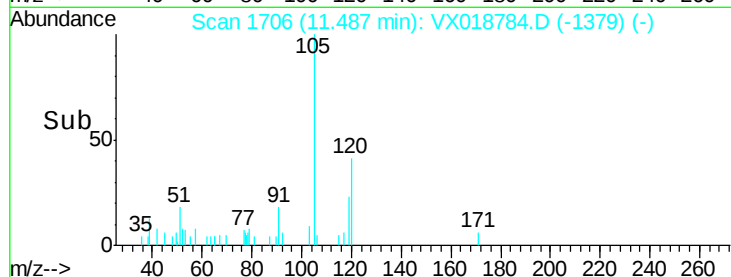
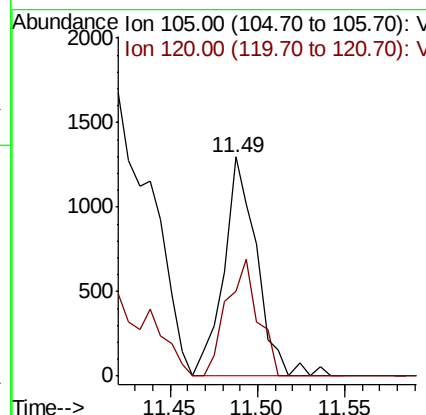
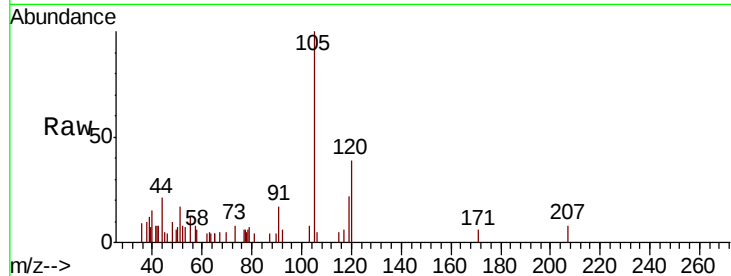




#43
 1,3,5-Trimethylbenzene
 Concen: 0.060 ug/L
 RT: 11.49 min Scan# 1706
 Delta R.T. -0.01 min
 Lab File: VX018784.D
 Acq: 05 Oct 2020 23:26

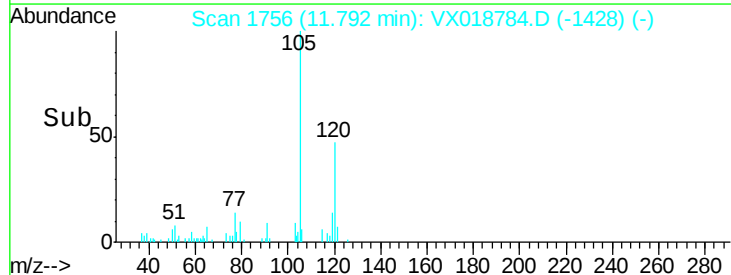
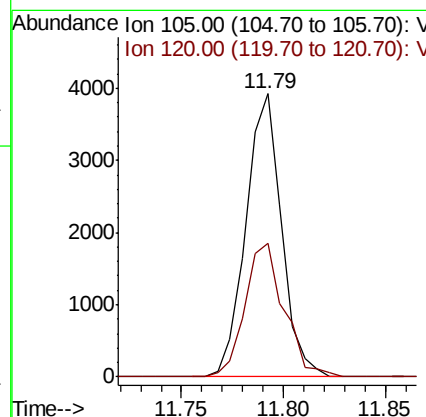
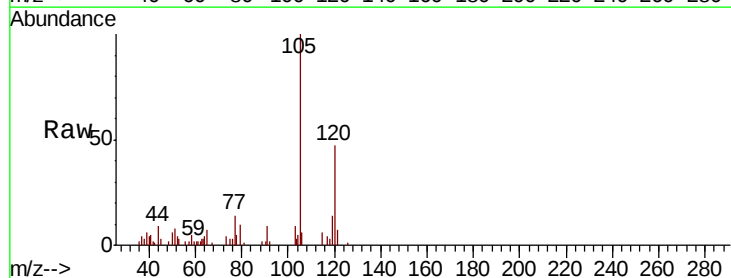
Instrument :
 MSVOA_X
 ClientSampleId :
 BG3R3DL

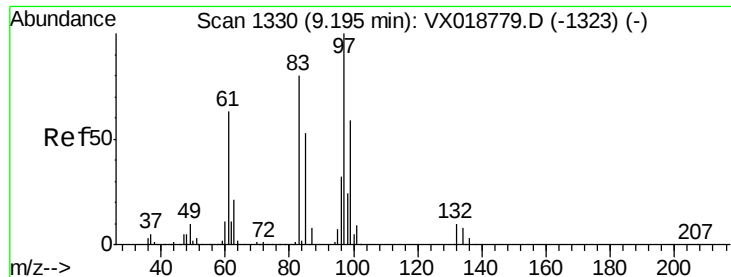
Tot Ion:105 Resp: 1710
 Ion Ratio Lower Upper
 105 100
 120 50.5 37.7 56.5



#44
 1,2,4-Trimethylbenzene
 Concen: 0.163 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018784.D
 Acq: 05 Oct 2020 23:26

Tgt Ion:105 Resp: 4760
 Ion Ratio Lower Upper
 105 100
 120 51.7 35.1 52.7





#47

1,1,2-Trichloroethane

Concen: 0.167 ug/L

RT: 9.15 min Scan# 1322

Delta R.T. -0.05 min

Lab File: VX018784.D

Acq: 05 Oct 2020 23:26

Instrument :

MSVOA_X

ClientSampleId :

BG3R3DL

Tot Ion: 97 Resp: 876

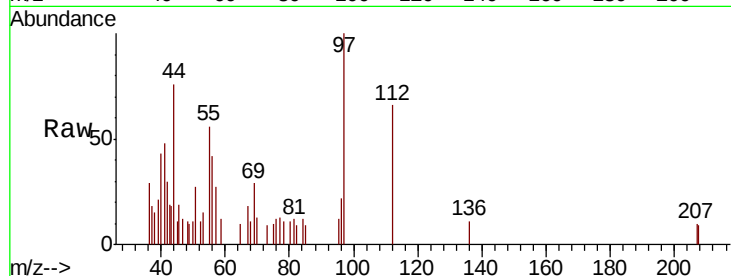
Ion Ratio Lower Upper

97 100

99 0.0 41.1 76.3#

83 0.0 57.5 106.7#

85 9.5 36.9 68.5#

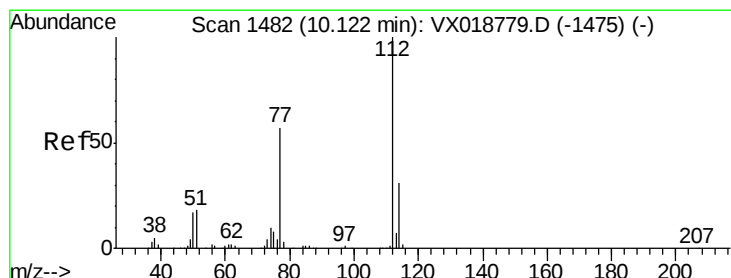
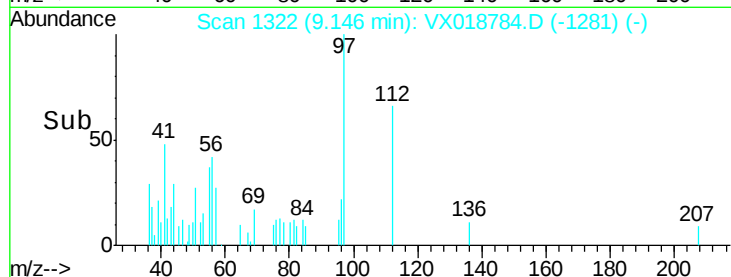
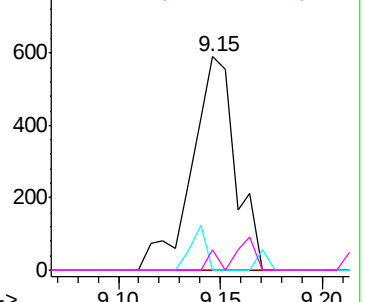


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 82.95 (82.65 to 83.65): VX0

Ion 85.00 (84.70 to 85.70): VX0



#53

Chlorobenzene

Concen: 4.665 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018784.D

Acq: 05 Oct 2020 23:26

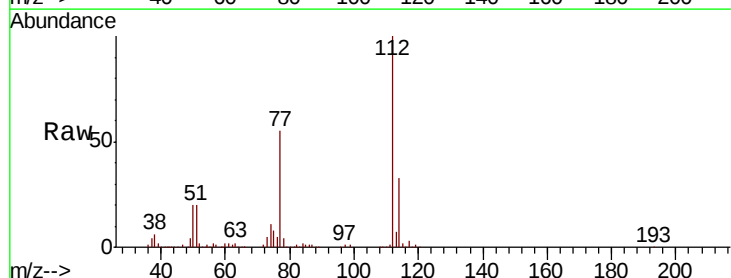
Tgt Ion: 112 Resp: 96759

Ion Ratio Lower Upper

112 100

114 32.9 21.3 39.5

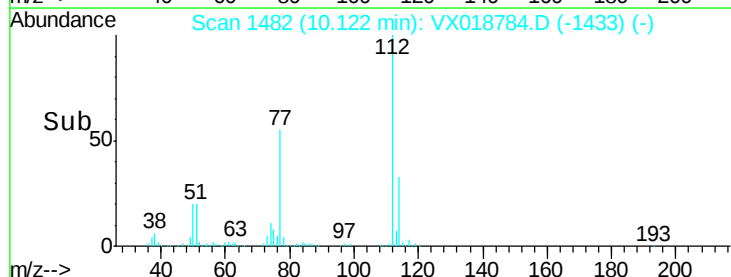
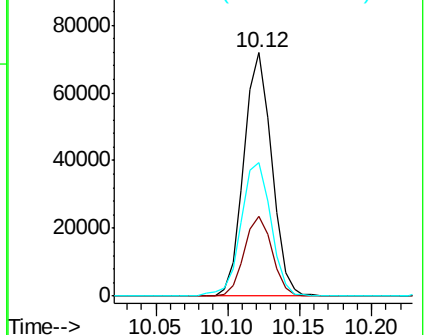
77 54.9 42.4 63.6

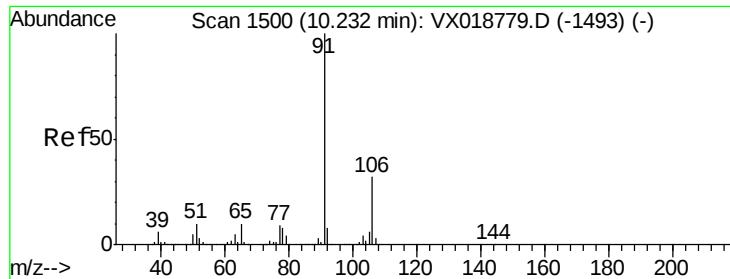


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#54

Ethylbenzene

Concen: 0.197 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VX018784.D

Acq: 05 Oct 2020 23:26

Instrument :

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ClientSampleId :

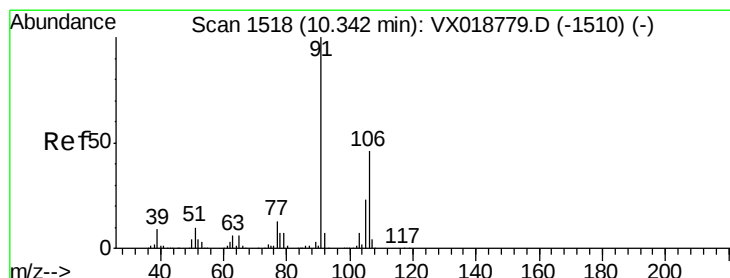
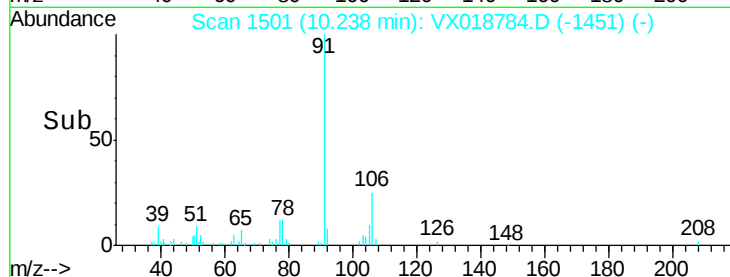
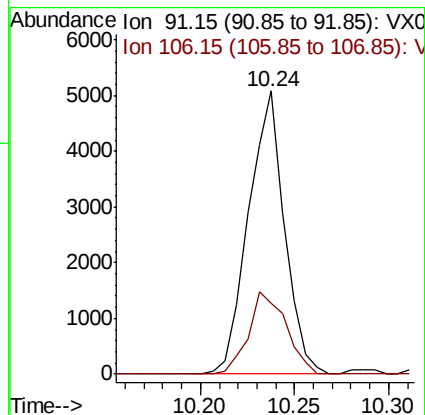
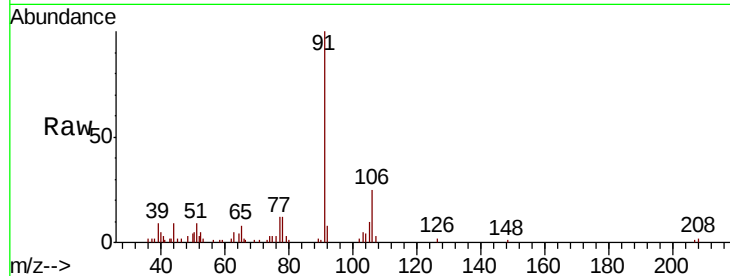
BG3R3DL

Tot Ion: 91 Resp: 6713

Ion Ratio Lower Upper

91 100

106 24.9 21.5 39.9



#55

m,p-xylene

Concen: 0.300 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018784.D

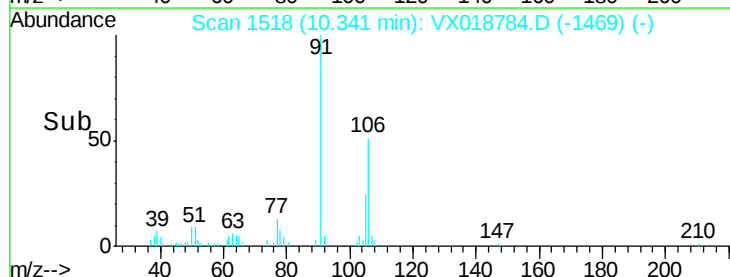
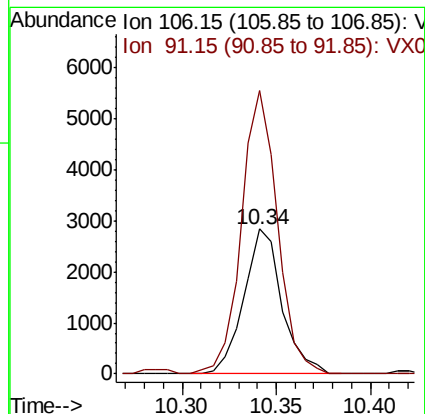
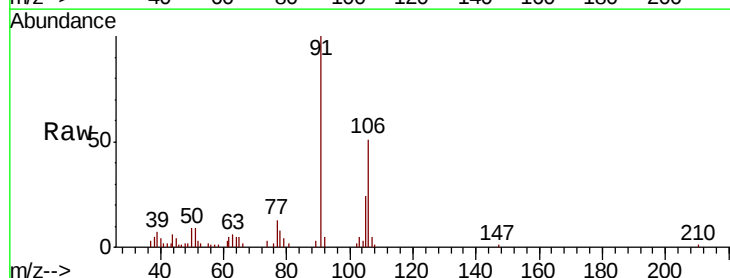
Acq: 05 Oct 2020 23:26

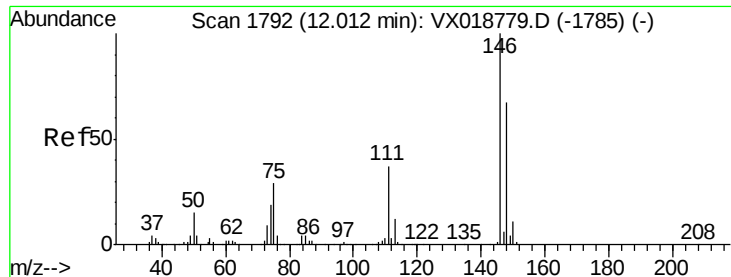
Tgt Ion: 106 Resp: 3980

Ion Ratio Lower Upper

106 100

91 195.1 143.4 266.2

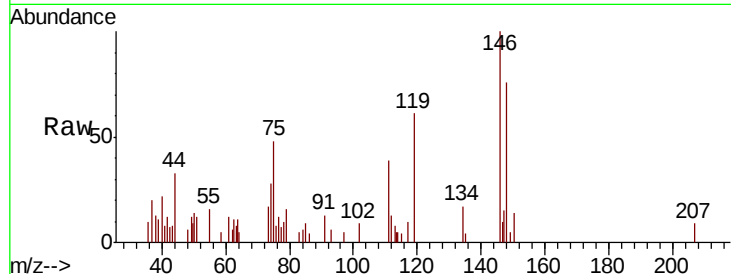




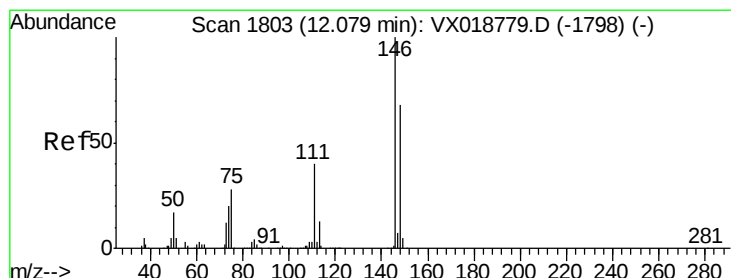
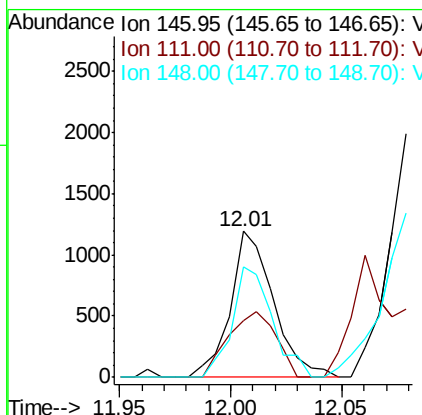
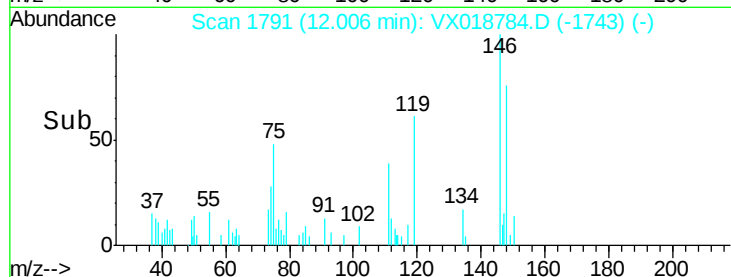
#63
 1,3-Dichlorobenzene
 Concen: 0.112 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX018784.D
 Acq: 05 Oct 2020 23:26

Instrument :
 MSVOA_X
 ClientSampled :
 BG3R3DL

Tot Ion:146 Resp: 1616
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.4 52.8
 148 76.2 45.9 85.3

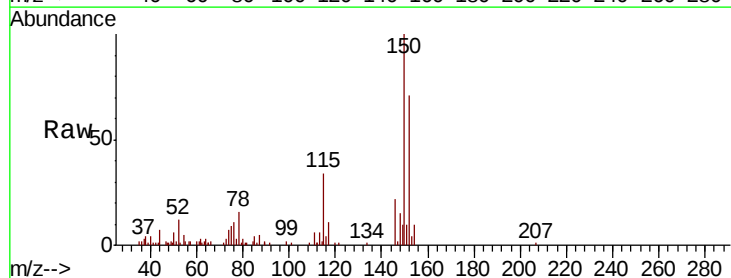


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#64
 1,4-Dichlorobenzene
 Concen: 0.171 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018784.D
 Acq: 05 Oct 2020 23:26

Tgt Ion:146 Resp: 2470
 Ion Ratio Lower Upper
 146 100
 111 27.9 28.6 53.2#
 148 67.7 44.2 82.0



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

