

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018628.D
 Acq On : 28 Sep 2020 20:31
 Operator : JC/SP
 Sample : L4135-08
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG482

Quant Time: Oct 01 11:35:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	283054	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	265826	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	130577	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	68791	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.70	69	58799	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.34	63	114810	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.55	46	190752	50.50	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.00%
24) Chloroform-d	5.14	84	156716	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	6.04	65	84518	4.13	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
32) Benzene-d6	6.05	84	292763	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	7.37	67	91361	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	8.70	98	272786	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
45) trans-1,3-Dichloropropene-	8.99	79	37011	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
48) 2-Hexanone-d5	9.43	63	153869	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	67532	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	102918	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

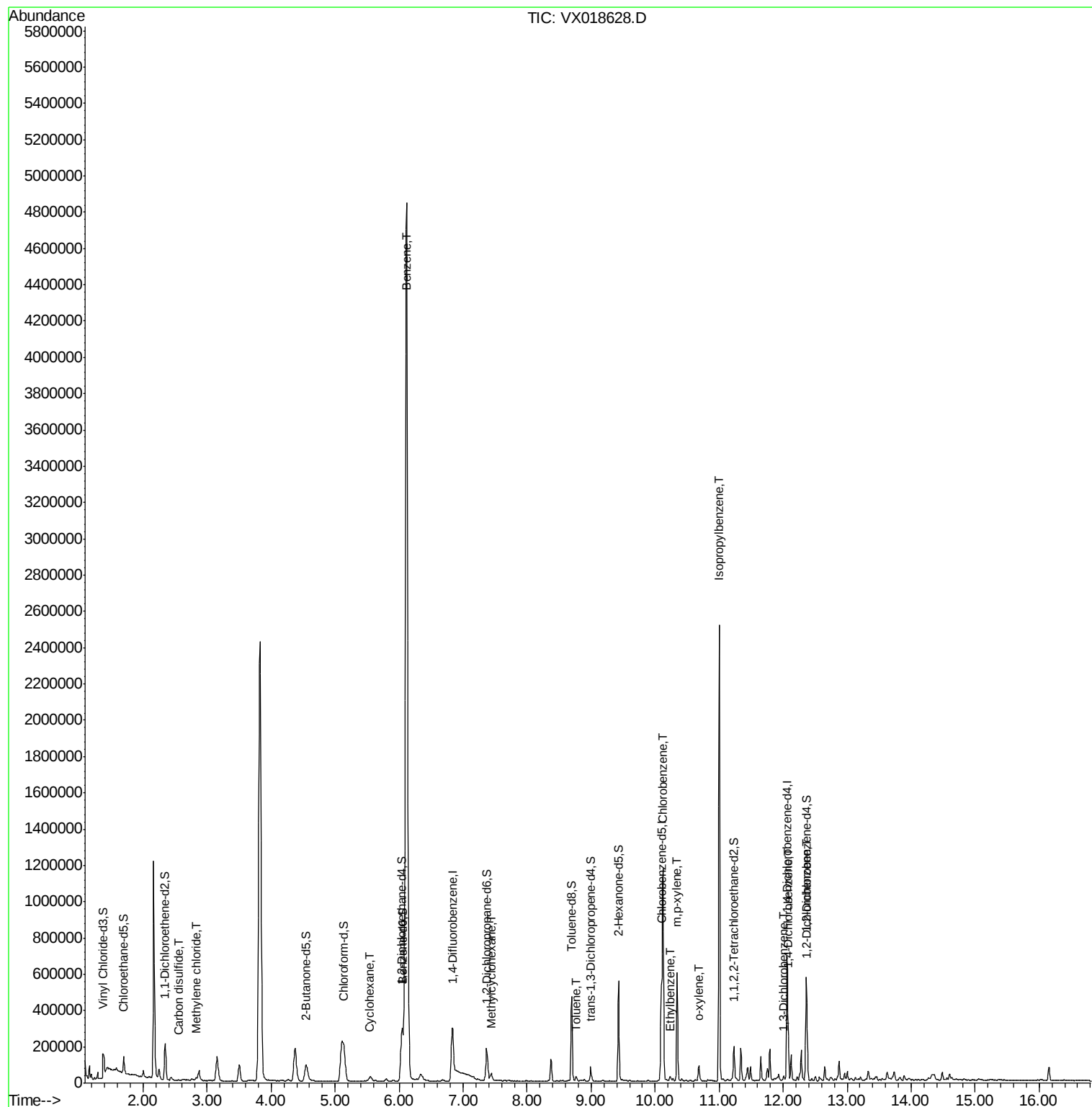
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.56	76	4987	0.119	ug/L	98
16) Methylene chloride	2.84	84	3544	0.188	ug/L	78
30) Cyclohexane	5.55	56	18049	0.896	ug/L	89
33) Benzene	6.12	78	5718014	111.566	ug/L	100
35) Methylcyclohexane	7.44	83	18407	0.892	ug/L	94
42) Toluene	8.76	91	16301	0.294	ug/L	97
53) Chlorobenzene	10.12	112	496461	13.575	ug/L	98
54) Ethylbenzene	10.23	91	14776	0.245	ug/L	97
55) m,p-xylene	10.34	106	137443	5.961	ug/L	97
56) o-xylene	10.68	106	18308	0.840	ug/L	80
58) Isopropylbenzene	11.00	105	1277152	21.863	ug/L	100
63) 1,3-Dichlorobenzene	12.01	146	6101	0.215	ug/L	89
64) 1,4-Dichlorobenzene	12.08	146	56933	1.986	ug/L	92
66) 1,2-Dichlorobenzene	12.38	146	72310	2.734	ug/L	96

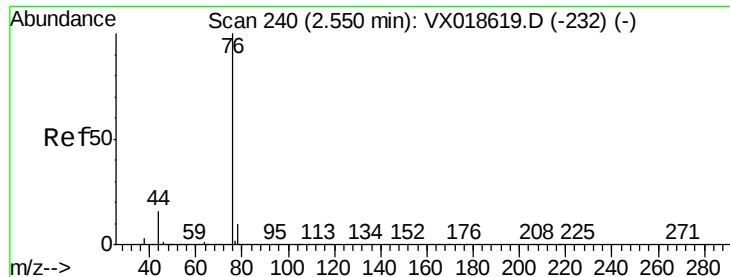
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 02:30:52 2020
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.119 ug/L

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

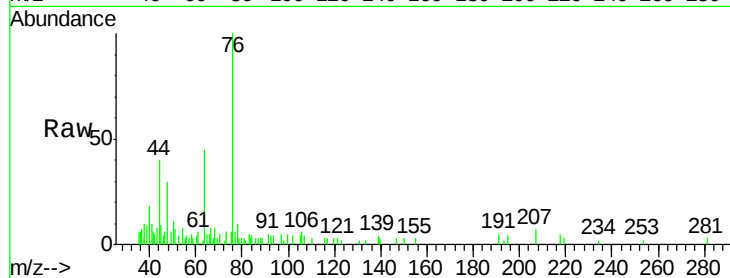
BG482

Tot Ion: 76 Resp: 4987

Ion Ratio Lower Upper

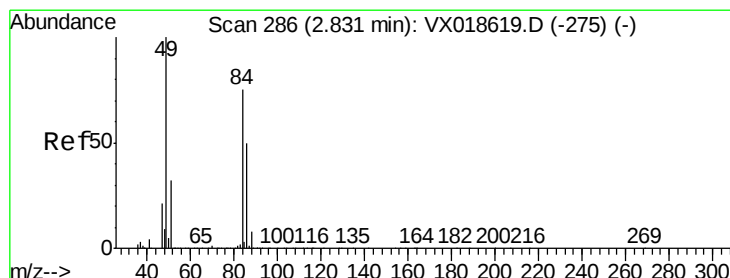
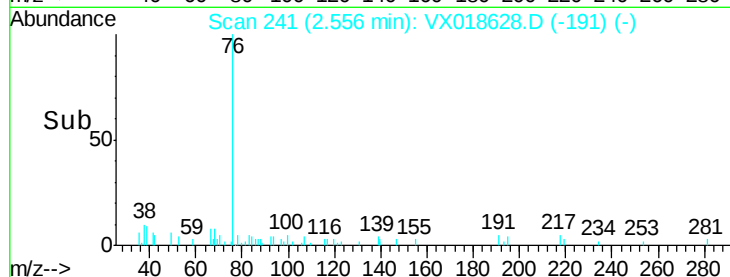
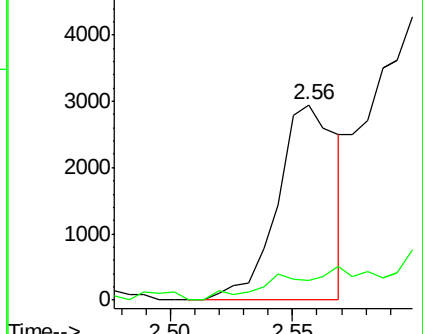
76 100

78 9.8 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#16

Methylene chloride

Concen: 0.188 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

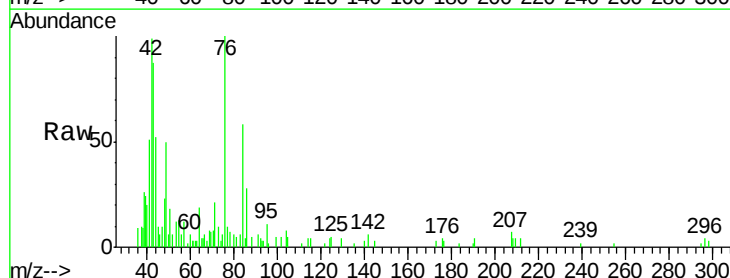
Tgt Ion: 84 Resp: 3544

Ion Ratio Lower Upper

84 100

86 48.2 41.9 77.7

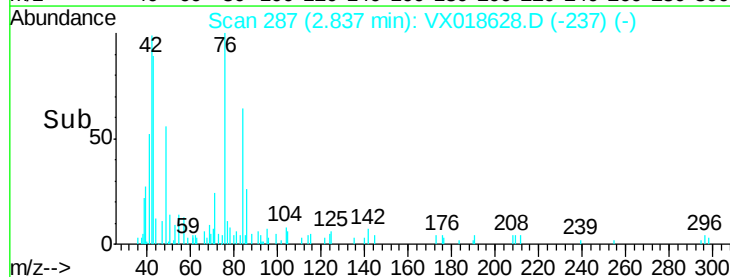
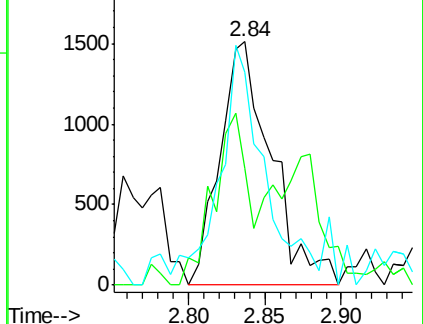
49 87.3 80.8 150.2

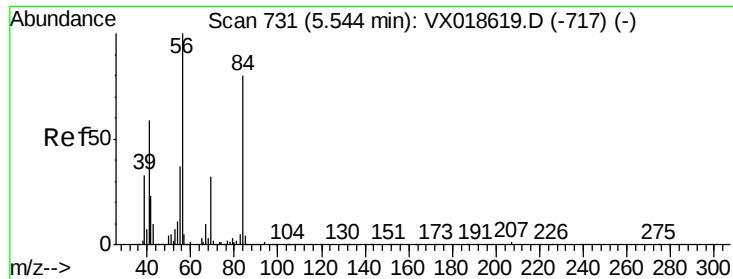


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

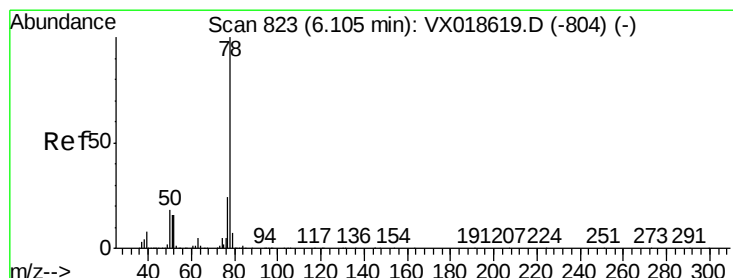
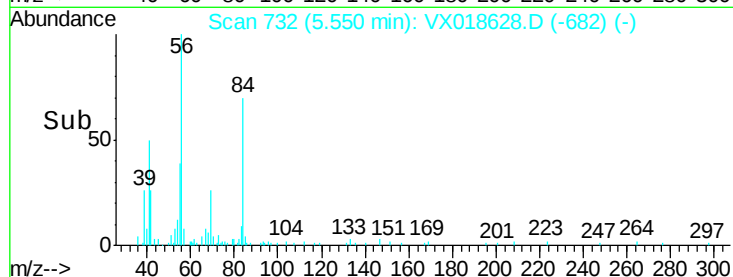
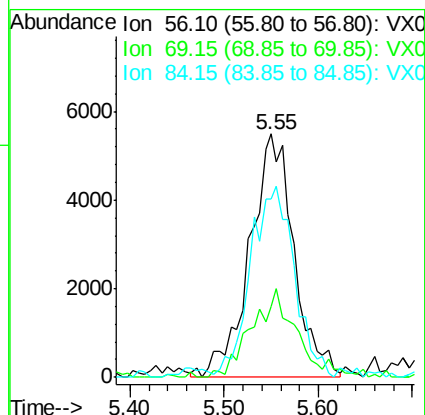
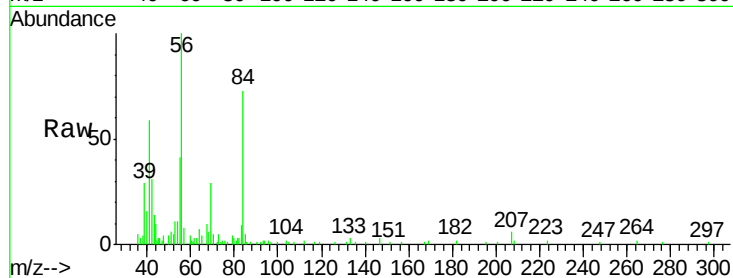




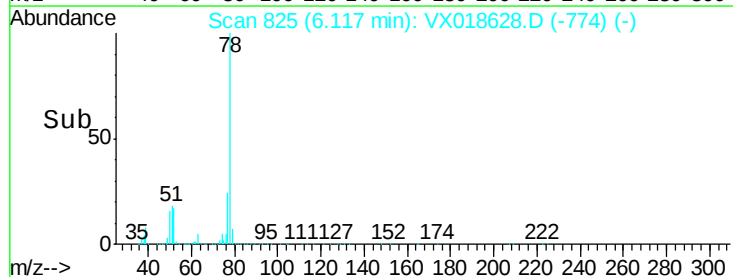
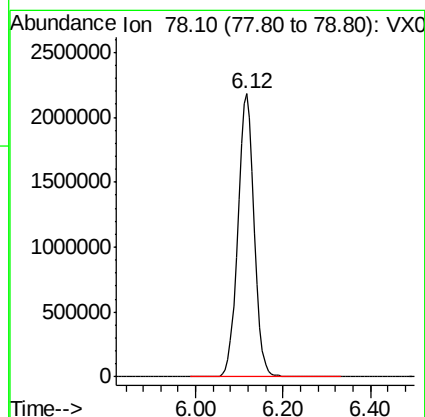
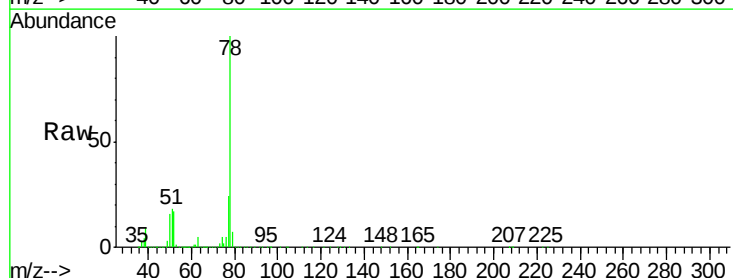
#30
Cyclohexane
Concen: 0.896 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018628.D
Acq: 28 Sep 2020 20:31

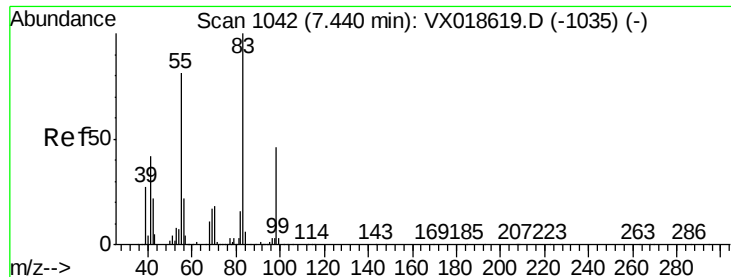
Instrument :
MSVOA_X
ClientSampleId :
BG482

Tot Ion: 56 Resp: 18049
Ion Ratio Lower Upper
56 100
69 34.8 26.4 39.6
84 77.7 72.7 109.1



#33
Benzene
Concen: 111.566 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018628.D
Acq: 28 Sep 2020 20:31
Tgt Ion: 78 Resp: 5718014

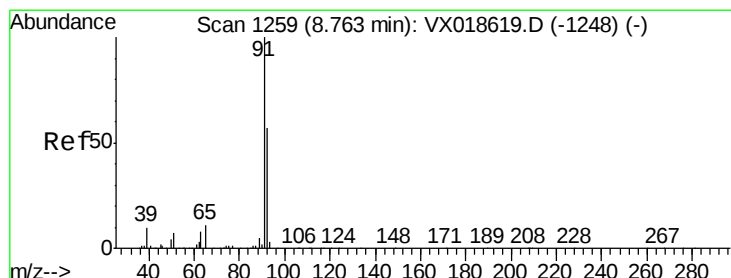
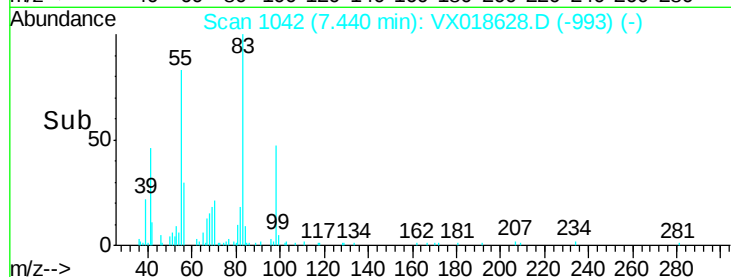
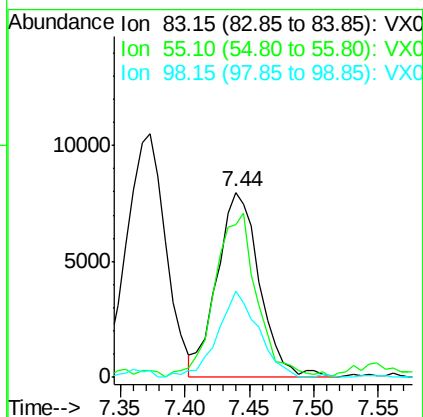
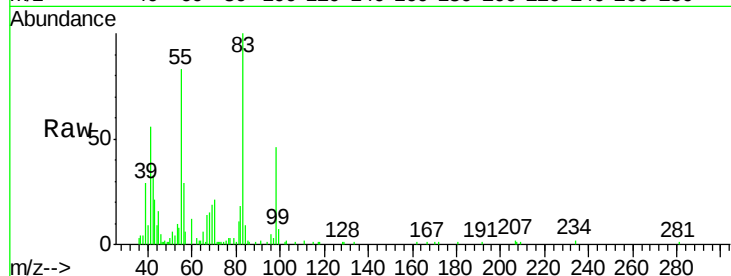




#35
Methvlcvclohexane
Concen: 0.892 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018628.D
Acq: 28 Sep 2020 20:31

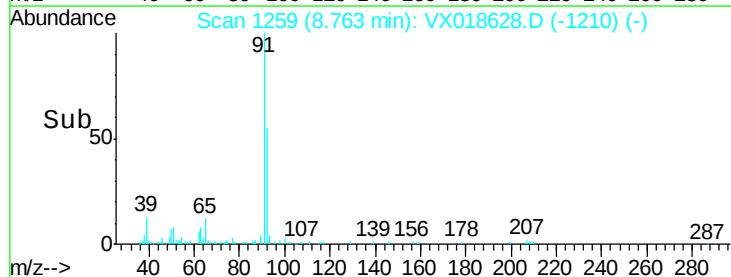
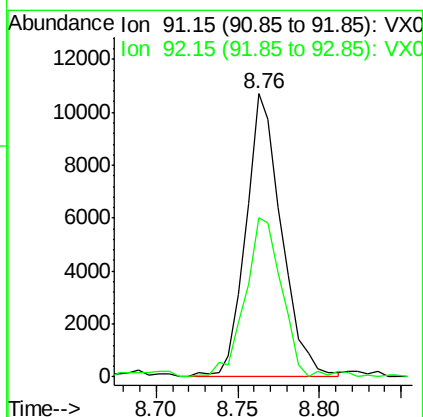
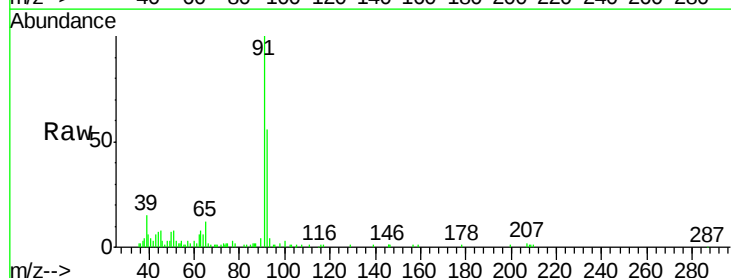
Instrument :
MSVOA_X
ClientSampled :
BG482

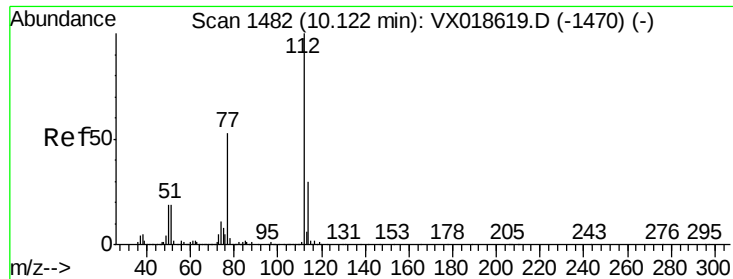
Tot Ion	83	Resp	18407
Ion Ratio	Lower	Upper	
83	100		
55	88.3	67.4	101.0
98	44.7	41.1	61.7



#42
Toluene
Concen: 0.294 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018628.D
Acq: 28 Sep 2020 20:31

Tgt Ion	91	Resp	16301
Ion Ratio	Lower	Upper	
91	100		
92	56.1	41.1	76.3





#53

Chlorobenzene

Concen: 13.575 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

BG482

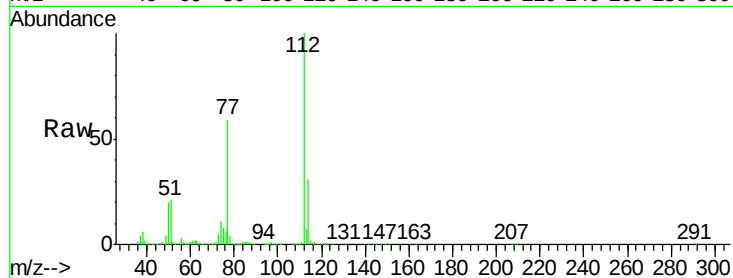
Tot Ion:112 Resp: 496461

Ion Ratio Lower Upper

112 100

114 30.7 20.6 38.4

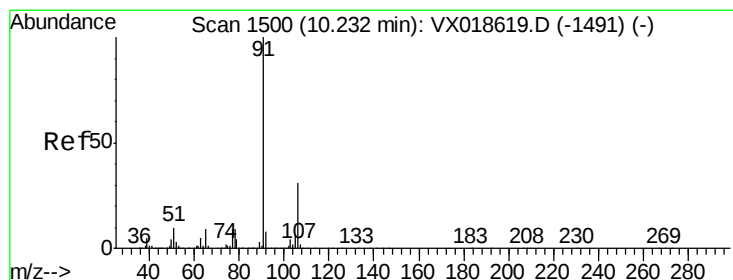
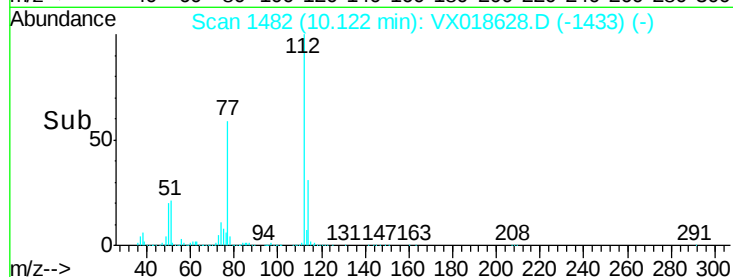
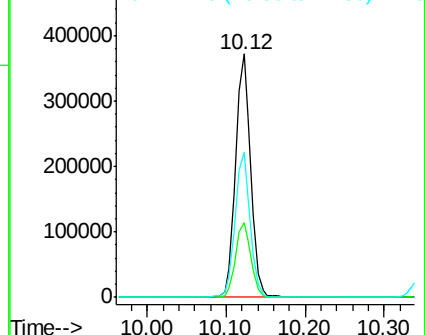
77 59.5 46.6 69.8



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: 0.245 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX018628.D

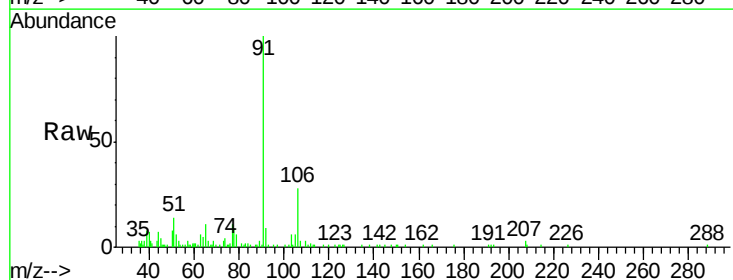
Acq: 28 Sep 2020 20:31

Tgt Ion: 91 Resp: 14776

Ion Ratio Lower Upper

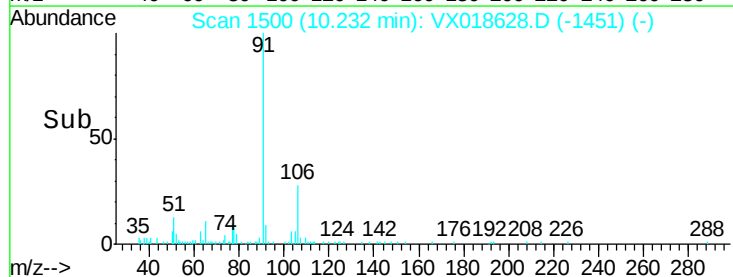
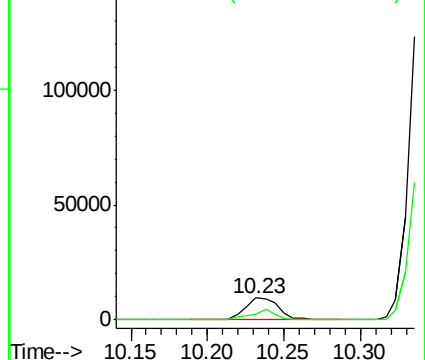
91 100

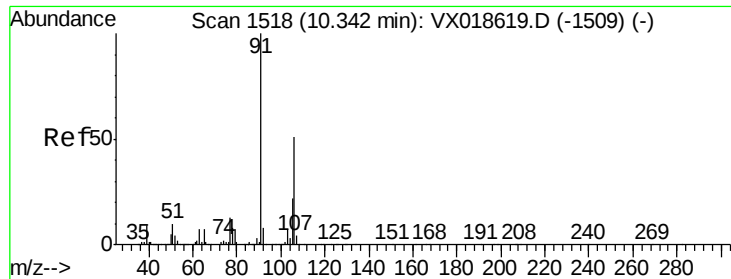
106 28.1 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 5.961 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

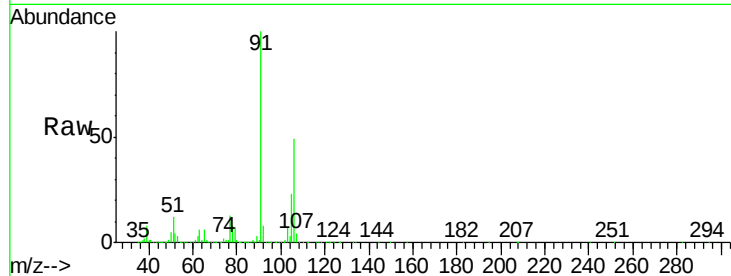
BG482

Tot Ion:106 Resp: 137443

Ion Ratio Lower Upper

106 100

91 204.9 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

200000

150000

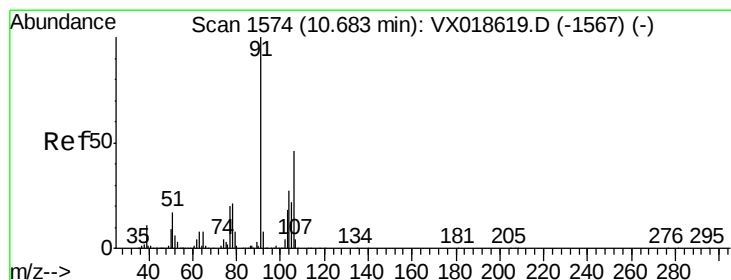
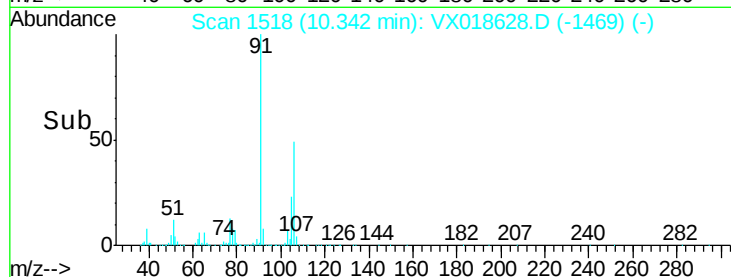
100000

50000

0

10.34

Time-->



#56

o-xylene

Concen: 0.840 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX018628.D

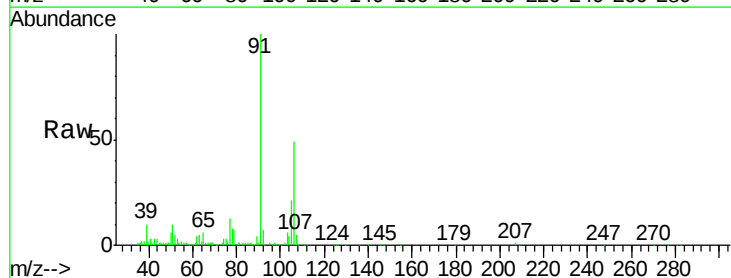
Acq: 28 Sep 2020 20:31

Tgt Ion:106 Resp: 18308

Ion Ratio Lower Upper

106 100

91 206.1 167.5 311.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

30000

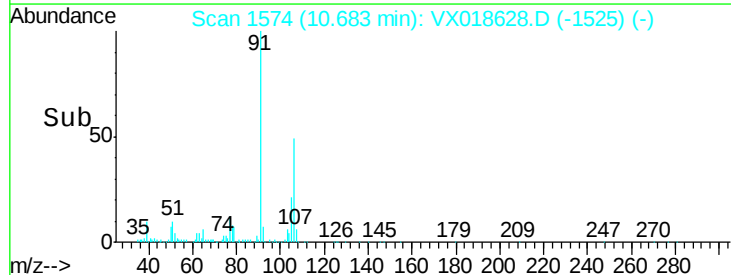
20000

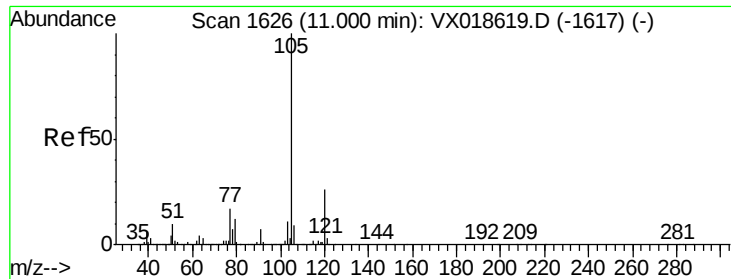
10000

0

10.68

Time-->





#58

Isopropylbenzene

Concen: 21.863 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

Instrument :

MSVOA_X

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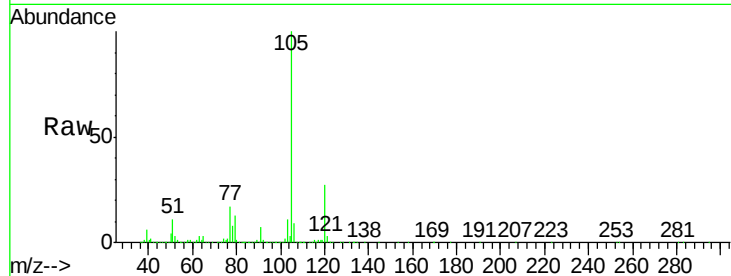
Tot Ion:105 Resp: 1277152

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

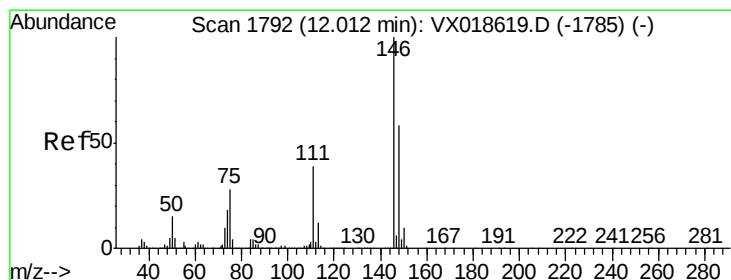
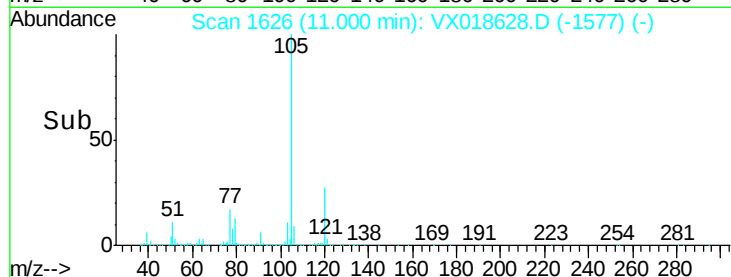
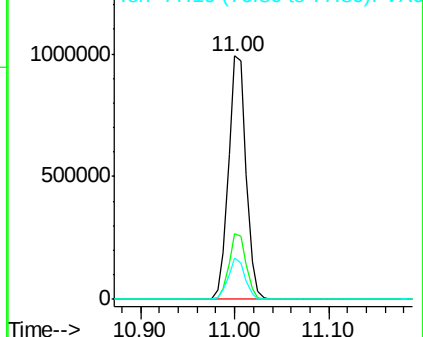
77 16.1 13.3 19.9



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



#63

1,3-Dichlorobenzene

Concen: 0.215 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

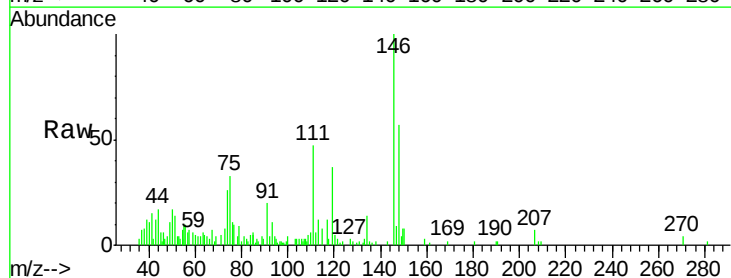
Tgt Ion:146 Resp: 6101

Ion Ratio Lower Upper

146 100

111 46.6 26.7 49.7

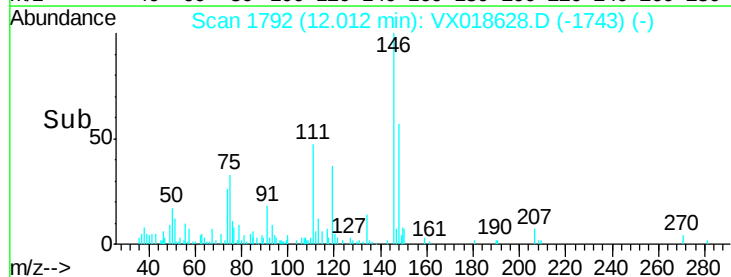
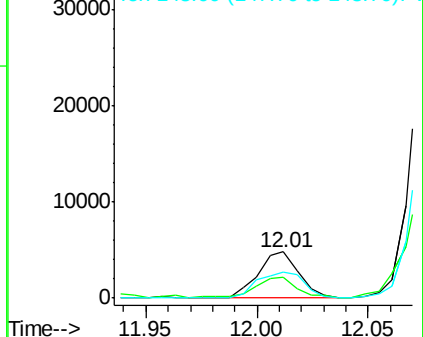
148 56.6 44.4 82.5

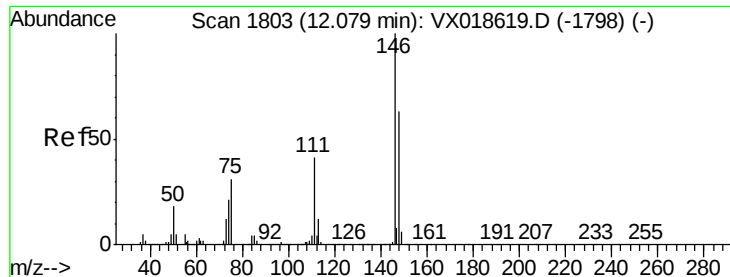


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.986 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

Instrument :

MSVOA_X

ClientSampleId :

BG482

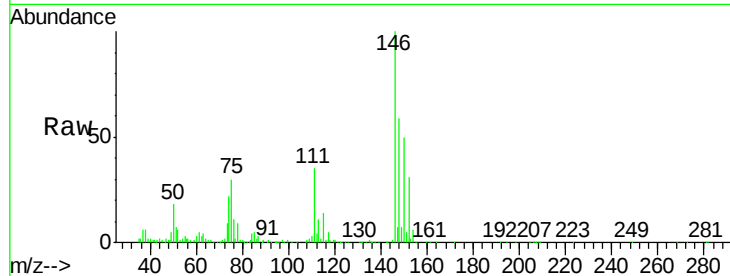
Tot Ion:146 Resp: 56933

Ion Ratio Lower Upper

146 100

111 34.7 28.8 53.4

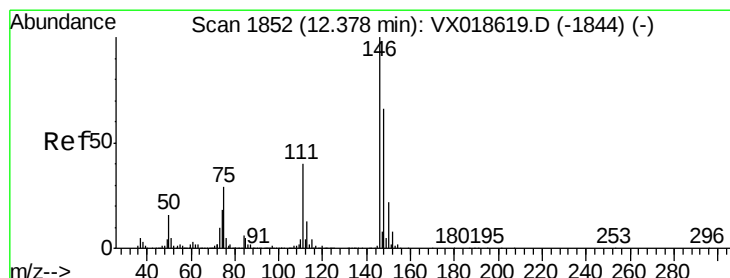
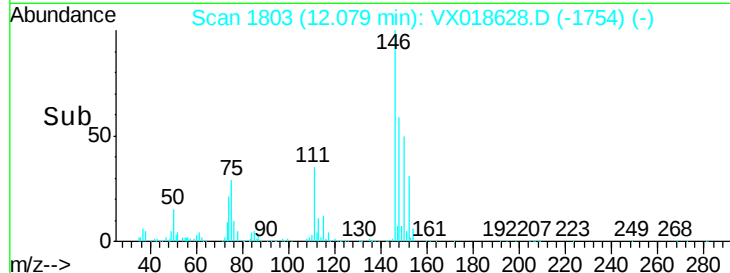
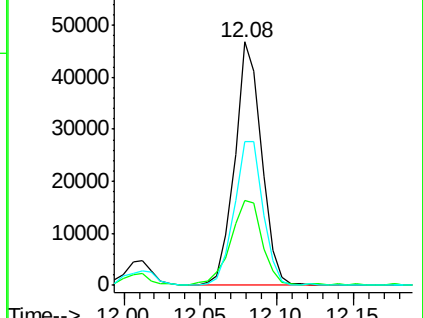
148 59.0 44.9 83.3



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



#66

1,2-Dichlorobenzene

Concen: 2.734 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX018628.D

Acq: 28 Sep 2020 20:31

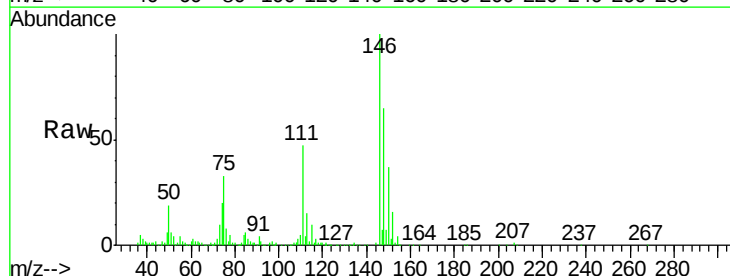
Tgt Ion:146 Resp: 72310

Ion Ratio Lower Upper

146 100

111 47.3 33.6 50.4

148 65.3 53.4 80.2



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

