

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100720\
 Data File : VX018816.D
 Acq On : 07 Oct 2020 17:15
 Operator : JC/SP
 Sample : L4240-15 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3T7

Quant Time: Oct 08 02:11:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 08 01:16:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	121091	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	118355	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	61236	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	34062	4.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.20%
7) Chloroethane-d5	1.70	69	32264	5.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.60%
11) 1,1-Dichloroethene-d2	2.34	63	61615	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	4.55	46	140884	75.93	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	151.86%#
24) Chloroform-d	5.14	84	95793	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.00%
26) 1,2-Dichloroethane-d4	6.03	65	56424	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	6.05	84	165995	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.80%
36) 1,2-Dichloropropane-d6	7.37	67	51897	6.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	122.00%
41) Toluene-d8	8.70	98	147013	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
45) trans-1,3-Dichloropropene-	8.99	79	23224	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
48) 2-Hexanone-d5	9.43	63	108719	70.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	141.82%#
59) 1,1,2,2-Tetrachloroethane-	11.23	84	44388	6.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.40%#
65) 1,2-Dichlorobenzene-d4	12.36	152	65692	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

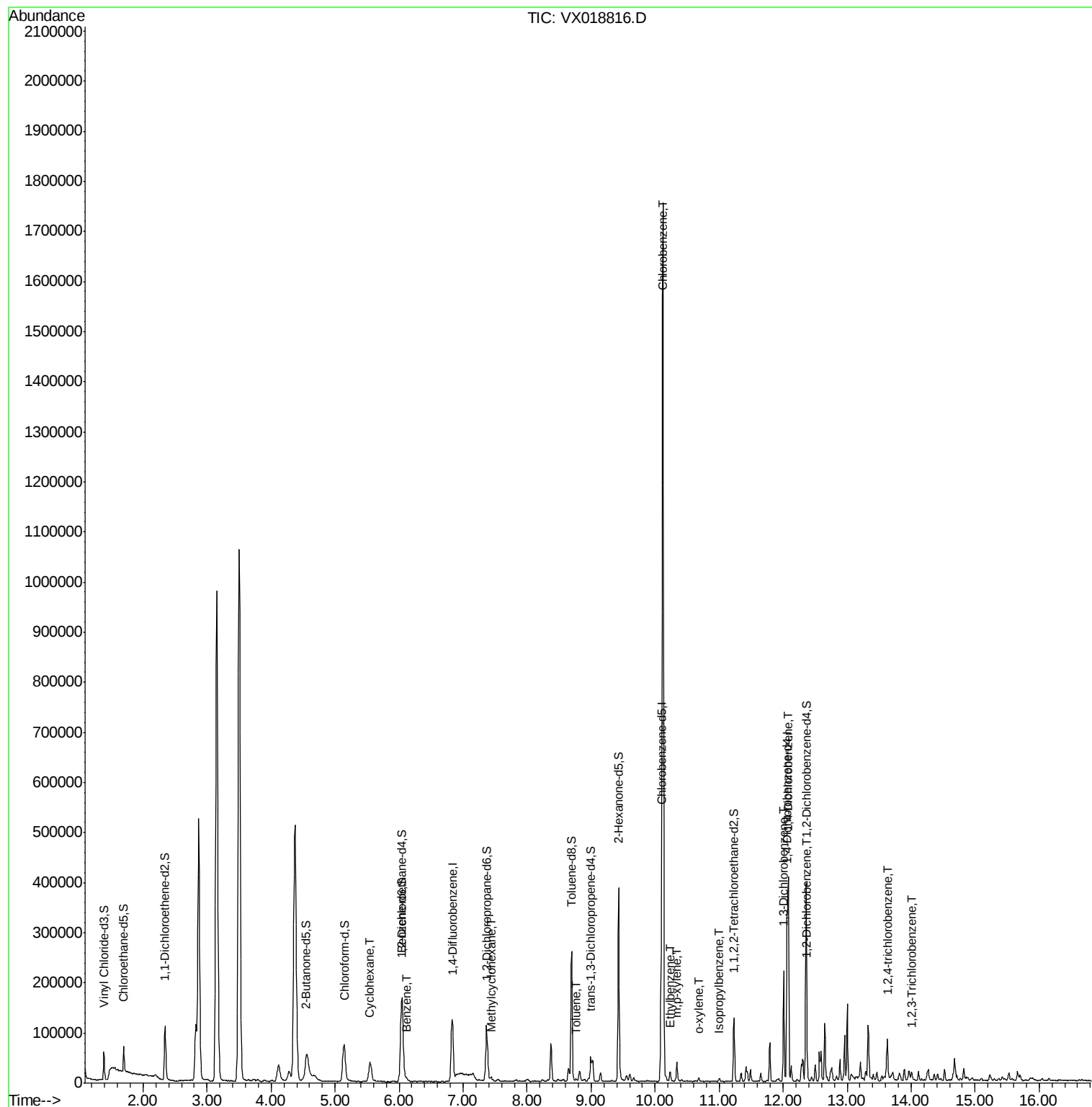
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
30) Cyclohexane	5.55	56	23229	2.392	ug/L	97
33) Benzene	6.11	78	7080	0.286	ug/L	100
35) Methylcyclohexane	7.43	83	2587	0.249	ug/L	93
42) Toluene	8.77	91	2419	0.089	ug/L	100
53) Chlorobenzene	10.12	112	737181	39.738	ug/L	96
54) Ethylbenzene	10.23	91	9567	0.315	ug/L	89
55) m,p-xylene	10.34	106	8413	0.709	ug/L	90
56) o-xylene	10.68	106	1606	0.147	ug/L	94
58) Isopropylbenzene	11.00	105	3236	0.105	ug/L #	88
63) 1,3-Dichlorobenzene	12.01	146	69581	4.675	ug/L	99
64) 1,4-Dichlorobenzene	12.08	146	119318	8.038	ug/L	97
66) 1,2-Dichlorobenzene	12.38	146	5110	0.368	ug/L	98
69) 1,2,4-trichlorobenzene	13.63	180	13616	1.432	ug/L #	87
71) 1,2,3-Trichlorobenzene	14.01	180	2218	0.259	ug/L #	73

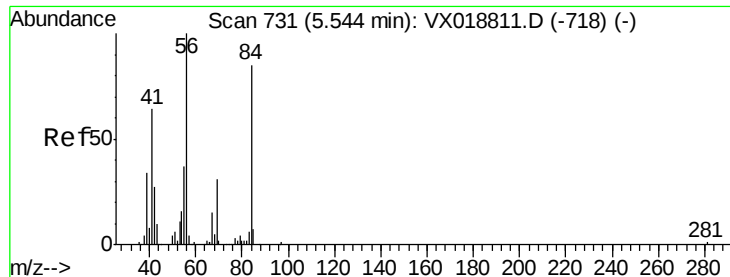
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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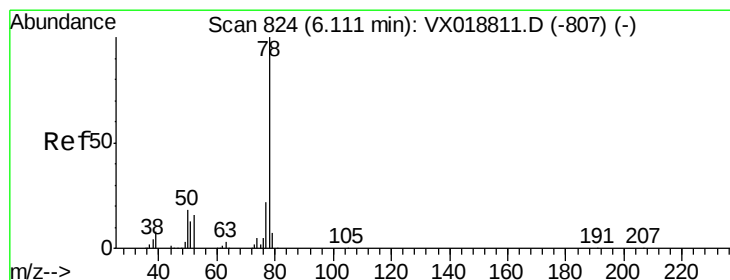
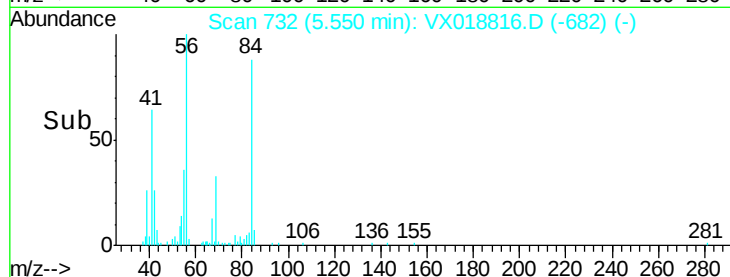
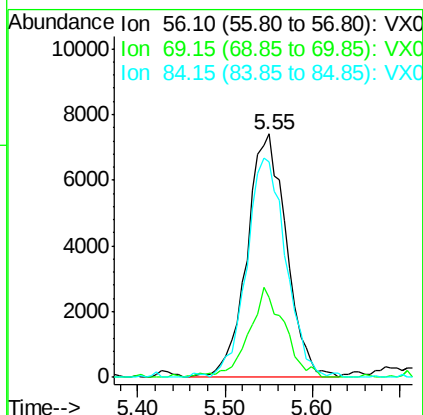
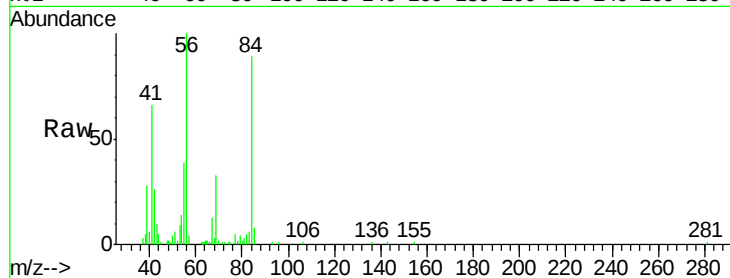




#30
Cyclohexane
Concen: 2.392 ug/L
RT: 5.55 min Scan# 732
Delta R.T. 0.01 min
Lab File: VX018816.D
Acq: 07 Oct 2020 17:15

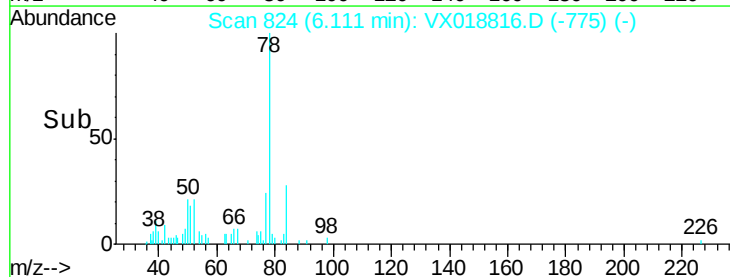
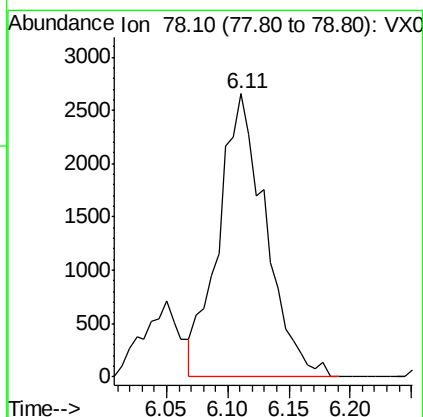
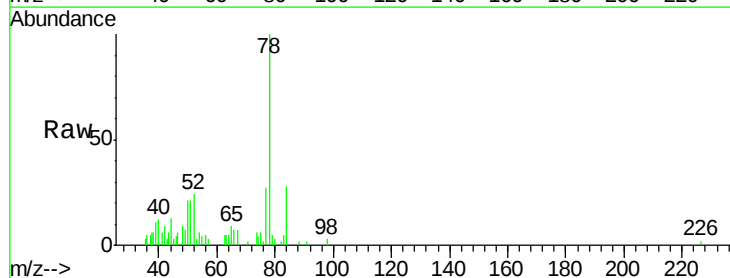
Instrument :
MSVOA_X
ClientSampleId :
BG3T7

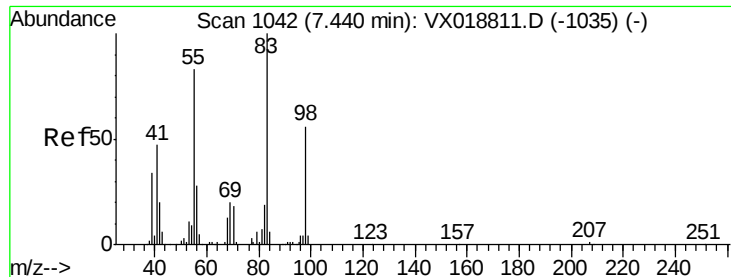
Tot Ion: 56 Resp: 23229
Ion Ratio Lower Upper
56 100
69 33.4 26.0 39.0
84 89.1 73.8 110.6



#33
Benzene
Concen: 0.286 ug/L
RT: 6.11 min Scan# 824
Delta R.T. 0.00 min
Lab File: VX018816.D
Acq: 07 Oct 2020 17:15

Tgt Ion: 78 Resp: 7080

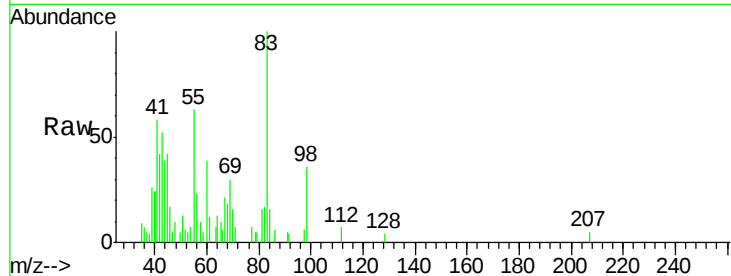




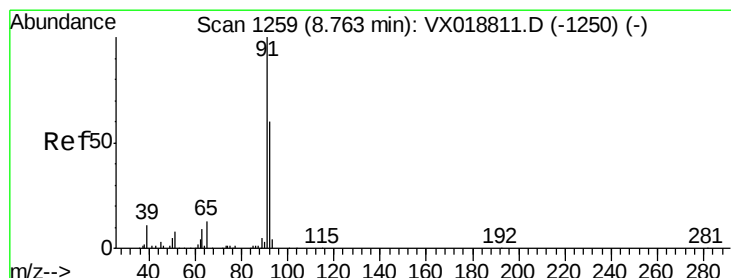
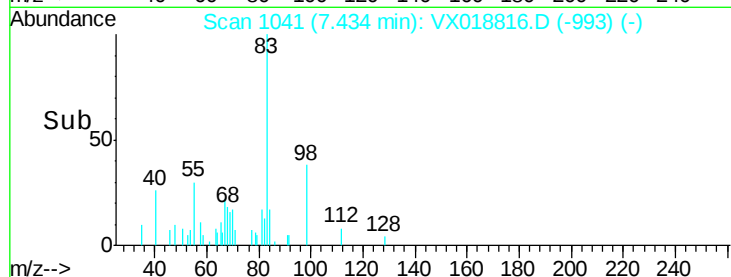
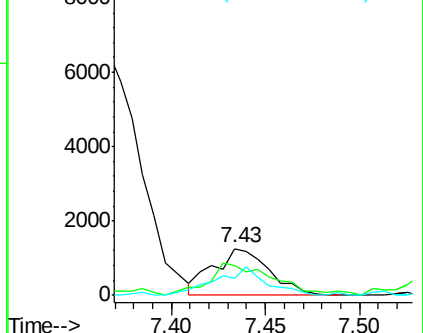
#35
Methvlcvclohexane
Concen: 0.249 ug/L
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX018816.D
Acq: 07 Oct 2020 17:15

Instrument :
MSVOA_X
ClientSampleId :
BG3T7

Tot Ion: 83 Resp: 2587
Ion Ratio Lower Upper
83 100
55 80.7 60.3 90.5
98 54.3 39.4 59.0

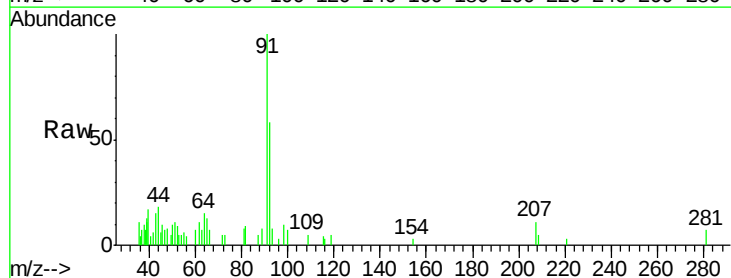


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

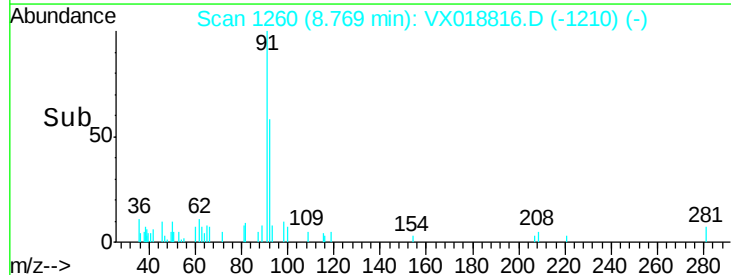
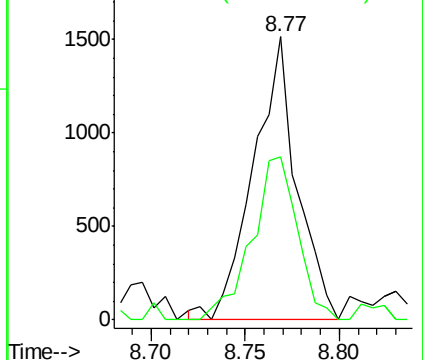


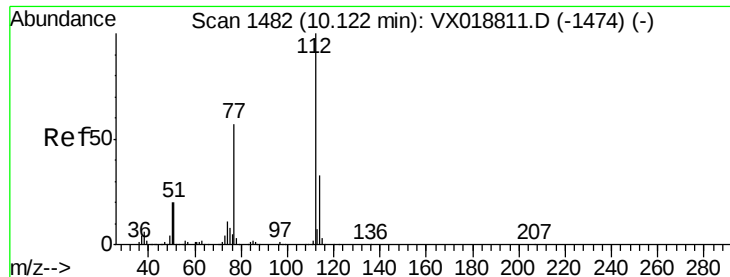
#42
Toluene
Concen: 0.089 ug/L
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX018816.D
Acq: 07 Oct 2020 17:15

Tgt Ion: 91 Resp: 2419
Ion Ratio Lower Upper
91 100
92 57.8 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: 39.738 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

BG3T7

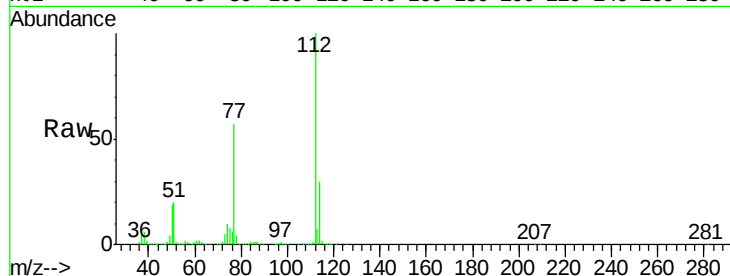
Tot Ion:112 Resp: 737181

Ion Ratio Lower Upper

112 100

114 30.4 21.3 39.5

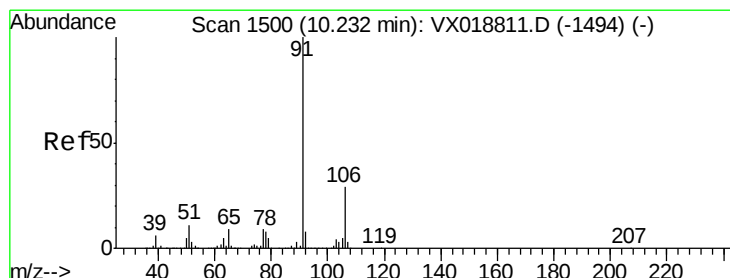
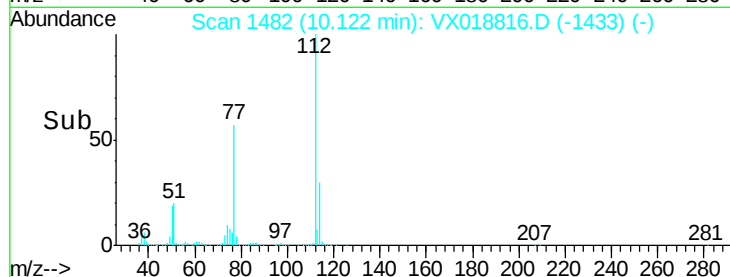
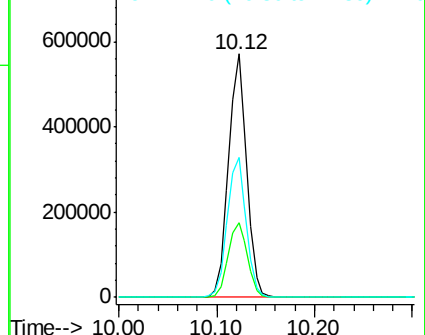
77 57.3 42.4 63.6



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: 0.315 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018816.D

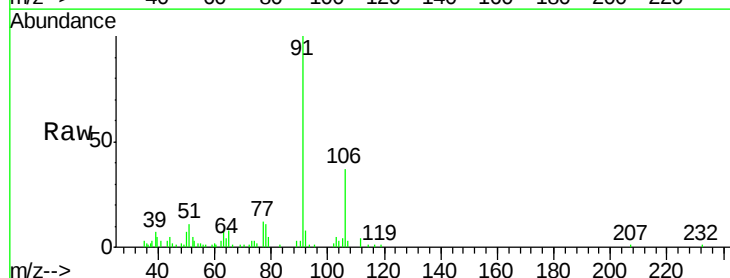
Acq: 07 Oct 2020 17:15

Tgt Ion: 91 Resp: 9567

Ion Ratio Lower Upper

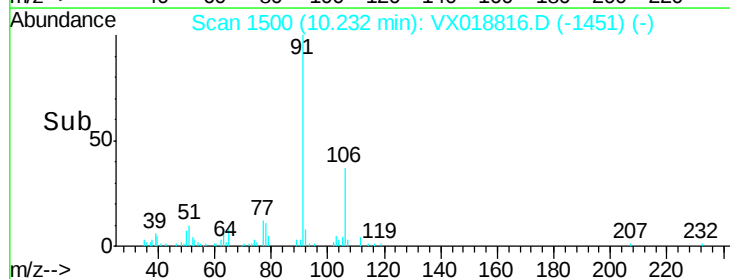
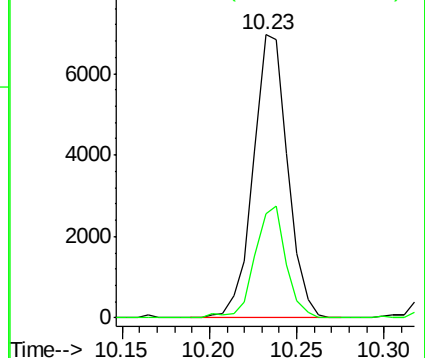
91 100

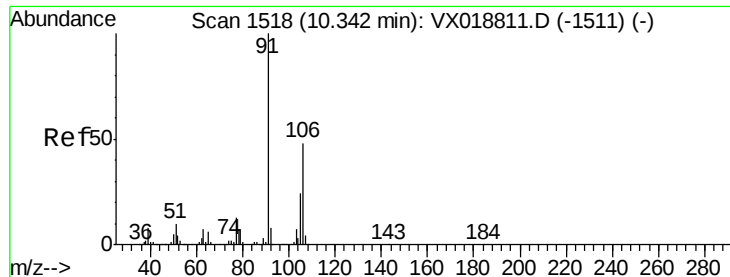
106 36.6 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 0.709 ug/L

RT: 10.34 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

Instrument :

MSVOA_X

ClientSampled :

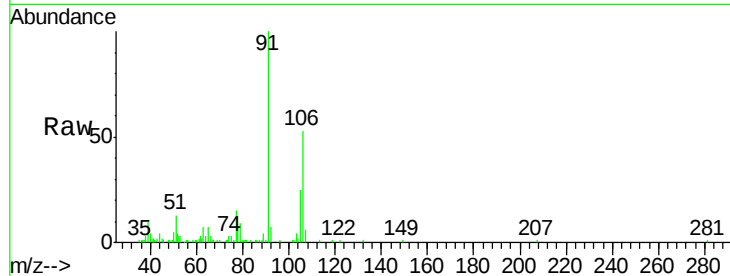
BG3T7

Tot Ion:106 Resp: 8413

Ion Ratio Lower Upper

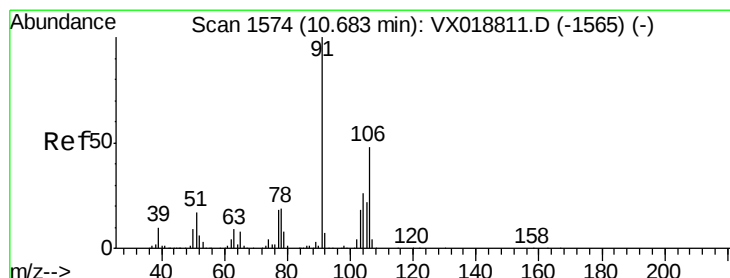
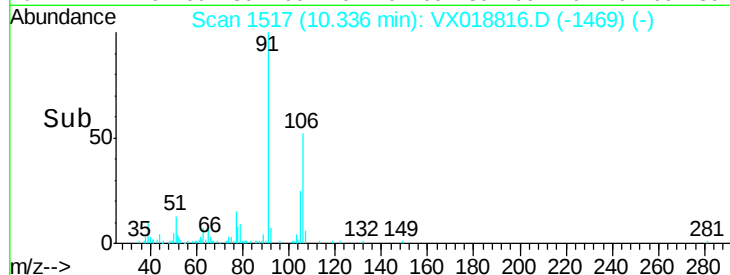
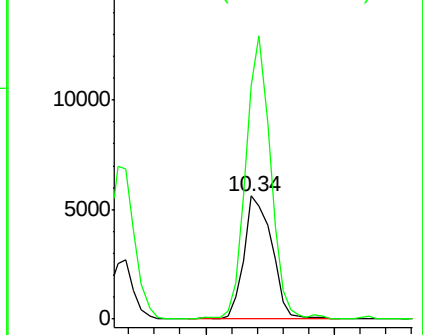
106 100

91 189.5 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 0.147 ug/L

RT: 10.68 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VX018816.D

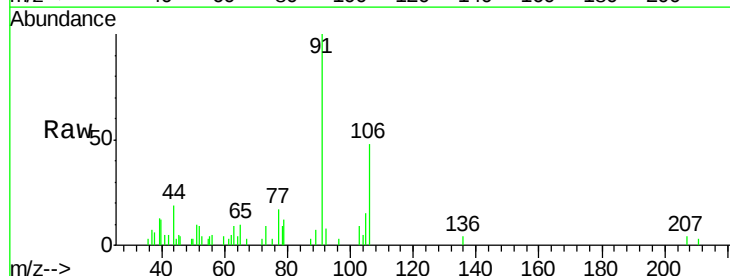
Acq: 07 Oct 2020 17:15

Tgt Ion:106 Resp: 1606

Ion Ratio Lower Upper

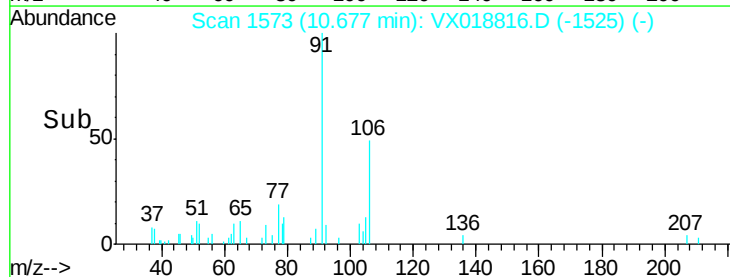
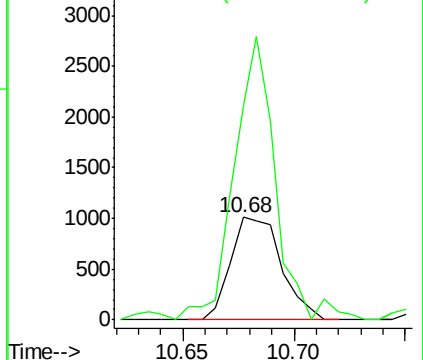
106 100

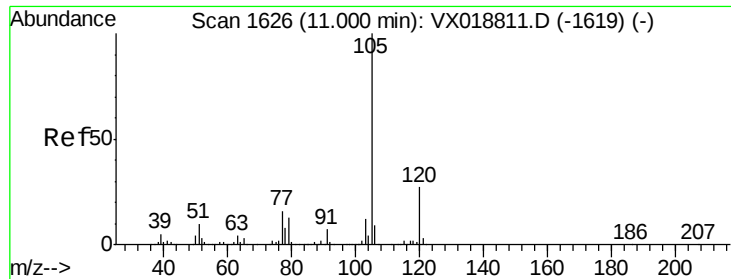
91 208.9 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.105 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

Instrument :

MSVOA_X

ClientSampleId :

BG3T7

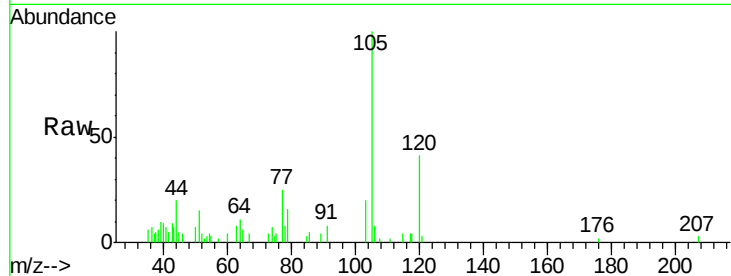
Tot Ion:105 Resp: 3236

Ion Ratio Lower Upper

105 100

120 31.1 20.2 30.2#

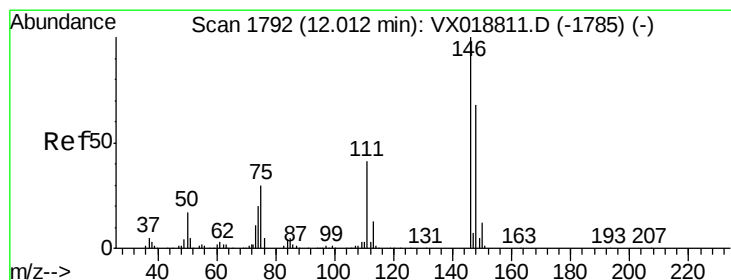
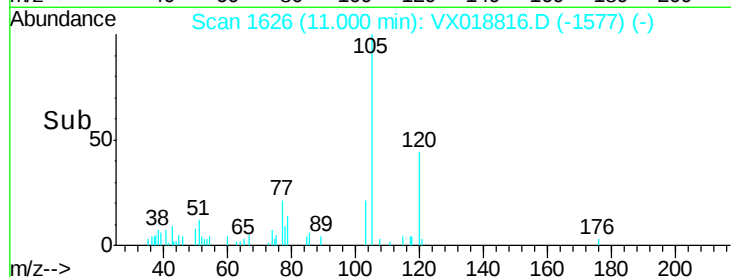
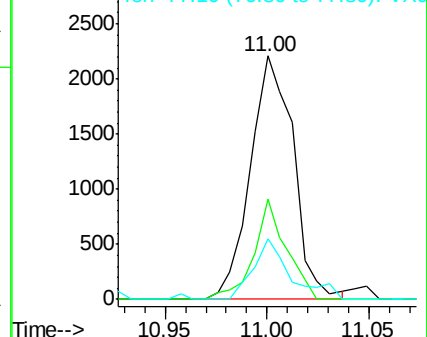
77 21.6 13.3 19.9#



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: 4.675 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

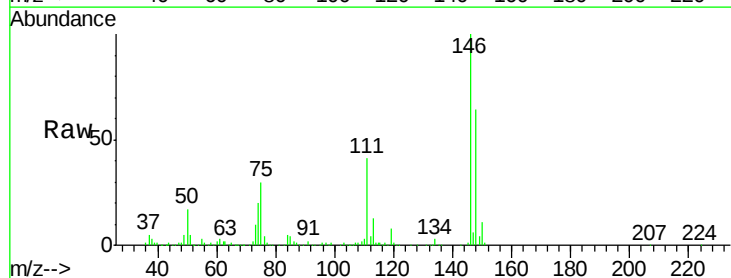
Tgt Ion:146 Resp: 69581

Ion Ratio Lower Upper

146 100

111 40.7 28.4 52.8

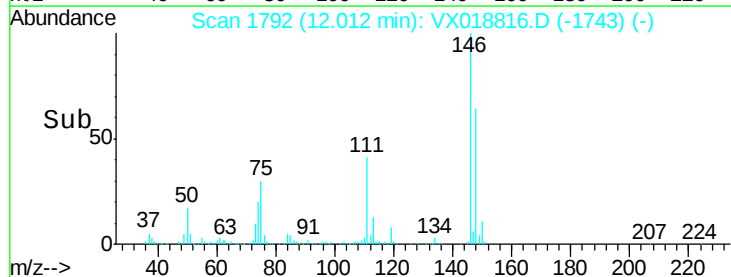
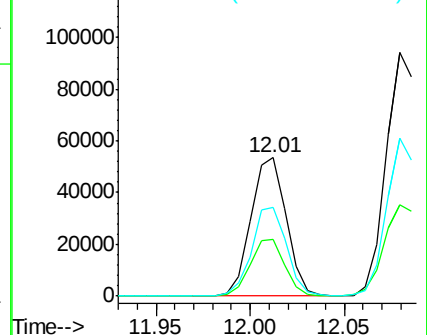
148 64.2 45.9 85.3

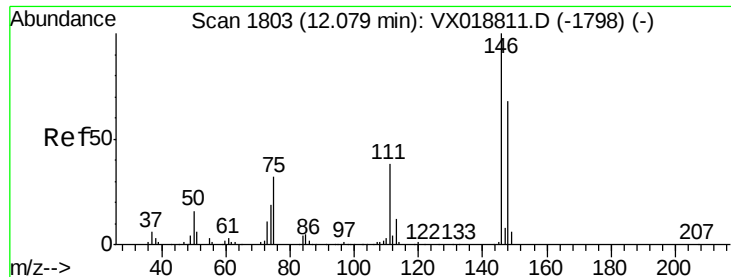


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 8.038 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

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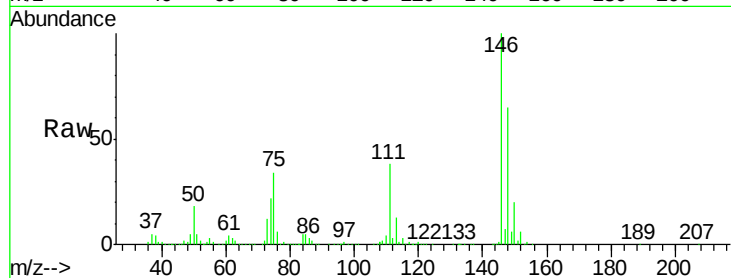
Tot Ion:146 Resp: 119318

Ion Ratio Lower Upper

146 100

111 37.5 28.6 53.2

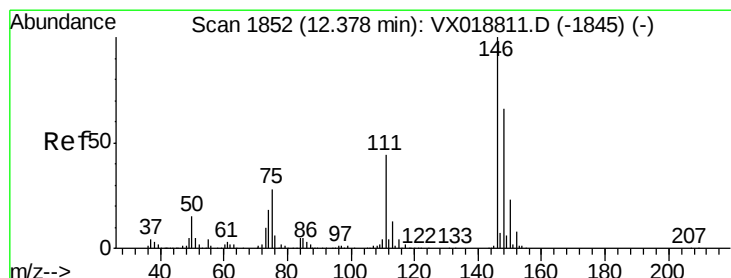
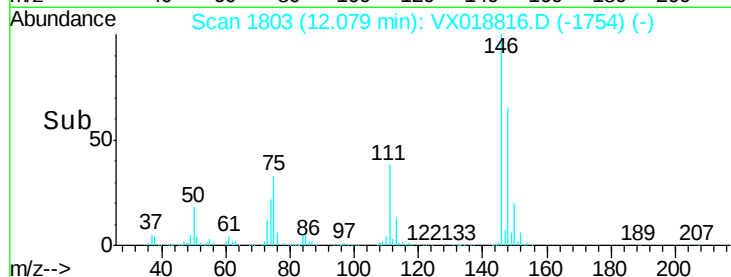
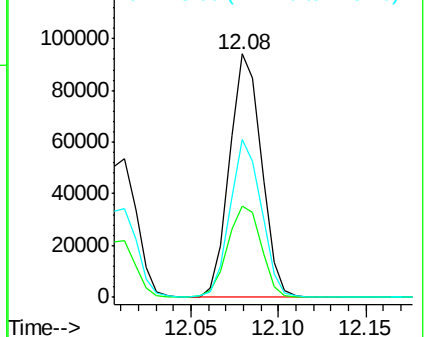
148 64.8 44.2 82.0



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



#66

1,2-Dichlorobenzene

Concen: 0.368 ug/L

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

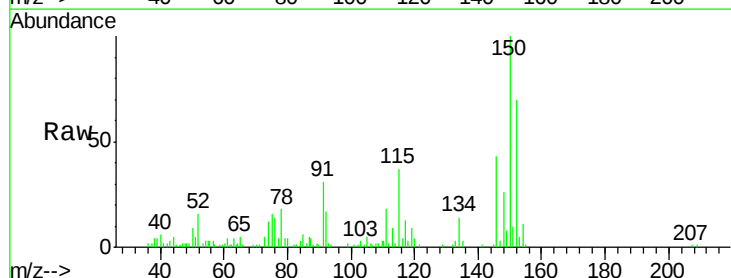
Tgt Ion:146 Resp: 5110

Ion Ratio Lower Upper

146 100

111 41.8 31.7 47.5

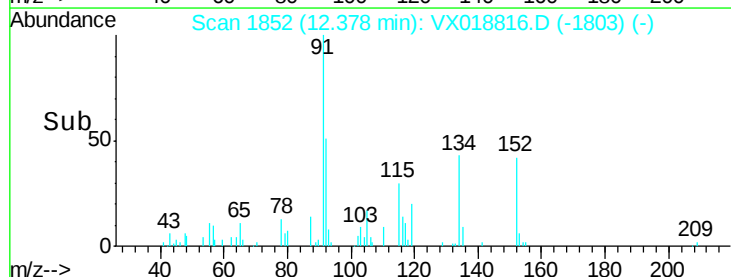
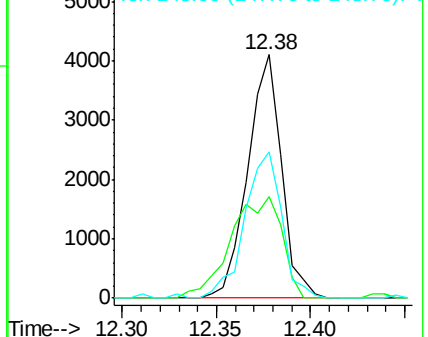
148 60.1 49.0 73.6

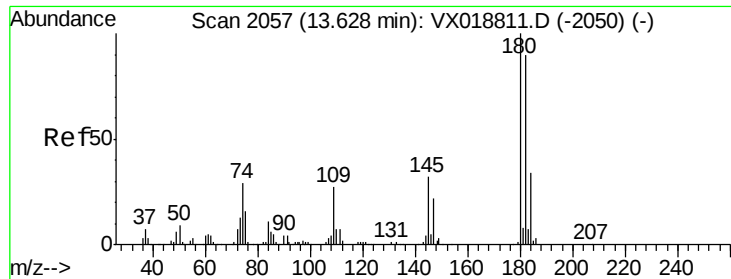


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

1,2,4-trichlorobenzene

Concen: 1.432 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. 0.00 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

Instrument :

MSVOA_X

ClientSampled :

BG3T7

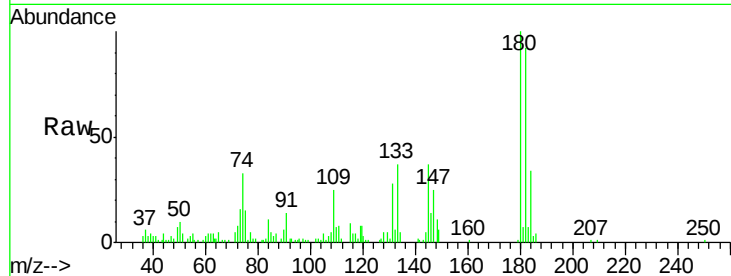
Tot Ion:180 Resp: 13616

Ion Ratio Lower Upper

180 100

182 88.4 80.2 120.4

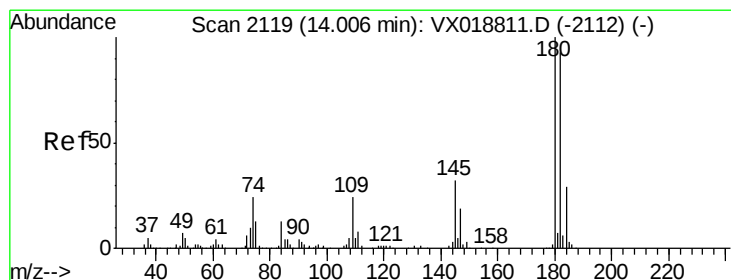
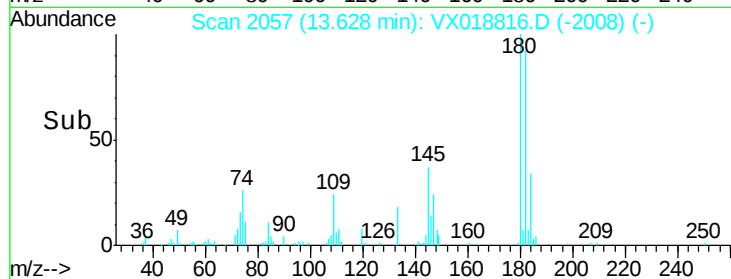
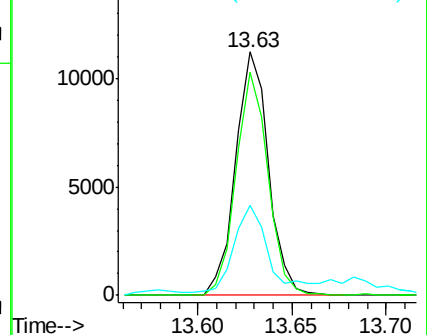
145 41.4 25.2 37.8#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#71

1,2,3-Trichlorobenzene

Concen: 0.259 ug/L

RT: 14.01 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VX018816.D

Acq: 07 Oct 2020 17:15

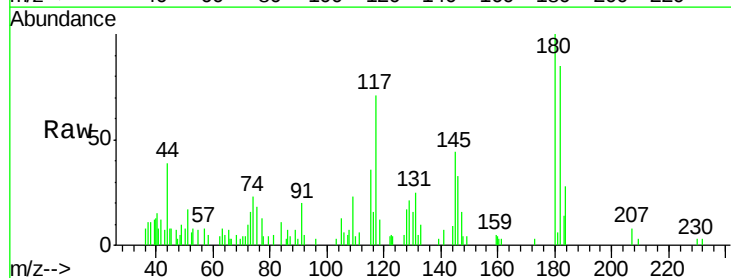
Tgt Ion:180 Resp: 2218

Ion Ratio Lower Upper

180 100

182 112.4 73.6 110.4#

145 56.5 26.6 40.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

