

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100820\
 Data File : VX018837.D
 Acq On : 08 Oct 2020 14:32
 Operator : JC/SP
 Sample : L4240-10DL 10X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3S8DL

Quant Time: Oct 09 05:23:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 09 04:43:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	161865	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	148249	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	80867	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	36259	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.70	69	31791	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.34	63	61145	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.55	46	147479	59.46	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.92%
24) Chloroform-d	5.14	84	99909	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	6.03	65	58532	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.80%
32) Benzene-d6	6.04	84	173359	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	7.37	67	55647	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	8.70	98	159330	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
45) trans-1,3-Dichloropropene-	8.99	79	24820	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
48) 2-Hexanone-d5	9.43	63	117907	61.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.78%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	45512	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
65) 1,2-Dichlorobenzene-d4	12.36	152	67759	4.54	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.80%

Target Compounds

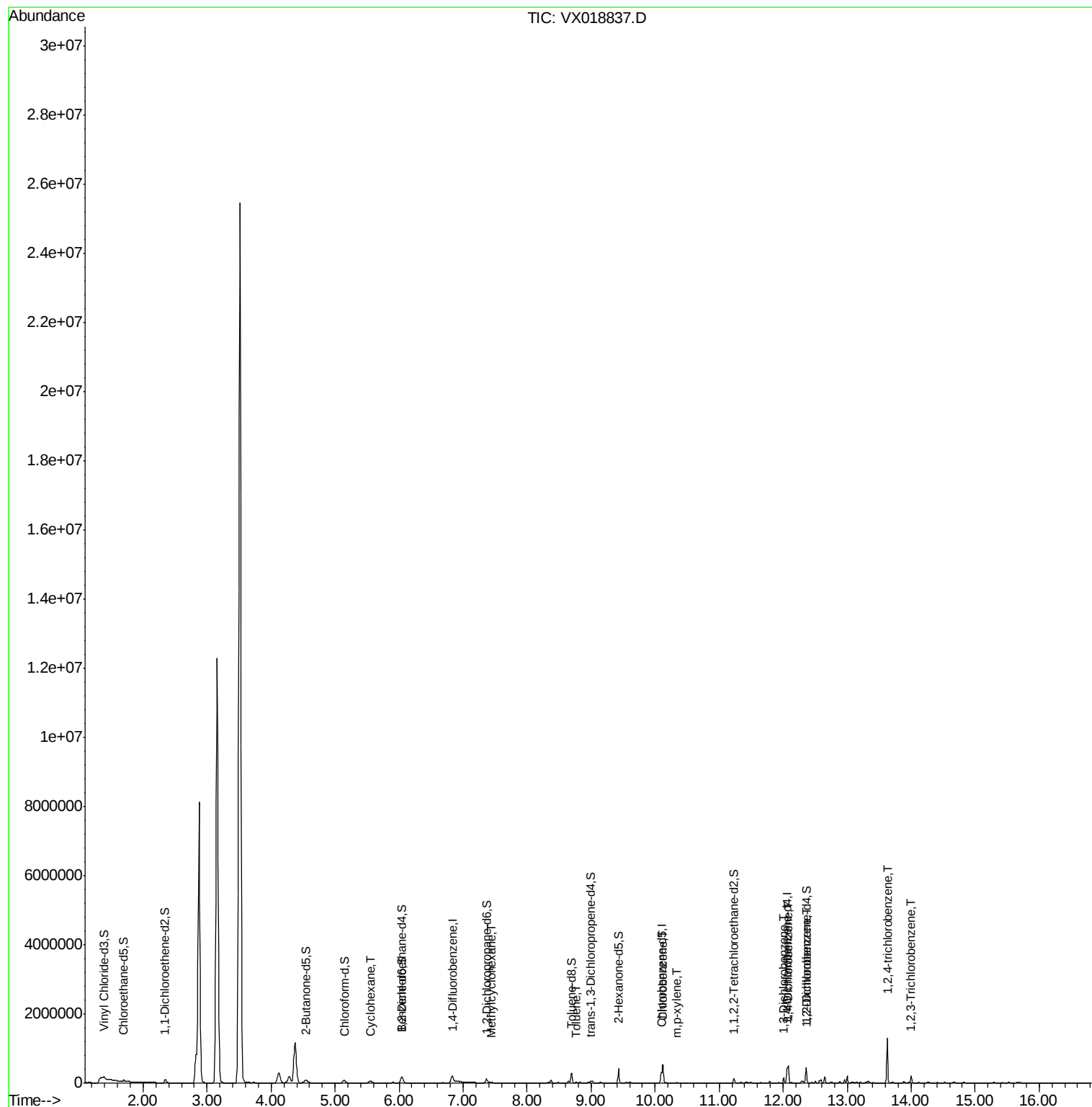
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
30) Cyclohexane	5.56	56	39063	3.211	ug/L	95
35) Methylcyclohexane	7.44	83	9670	0.745	ug/L	91
42) Toluene	8.76	91	13108	0.386	ug/L	91
53) Chlorobenzene	10.12	112	228679	9.841	ug/L	97
55) m,p-xylene	10.34	106	2970	0.200	ug/L	96
63) 1,3-Dichlorobenzene	12.01	146	46335	2.357	ug/L	93
64) 1,4-Dichlorobenzene	12.08	146	144770	7.385	ug/L	97
66) 1,2-Dichlorobenzene	12.37	146	10370	0.565	ug/L	95
69) 1,2,4-trichlorobenzene	13.63	180	308702	24.578	ug/L	91
71) 1,2,3-Trichlorobenzene	14.00	180	45524	4.028	ug/L	98

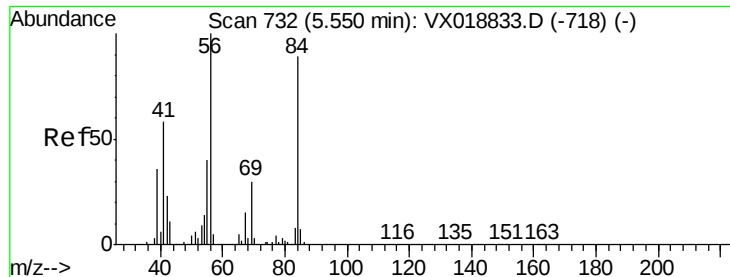
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

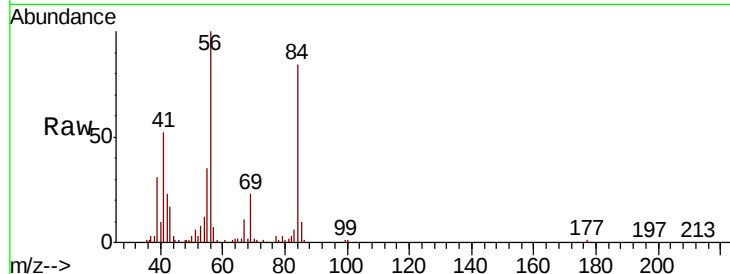




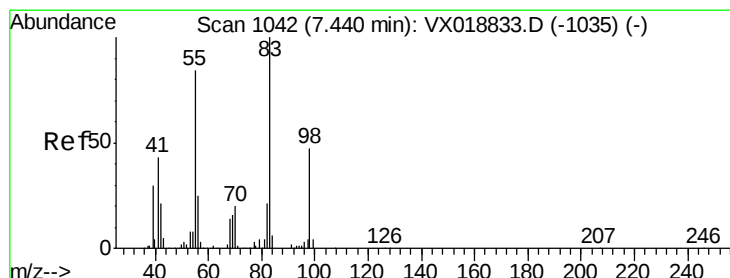
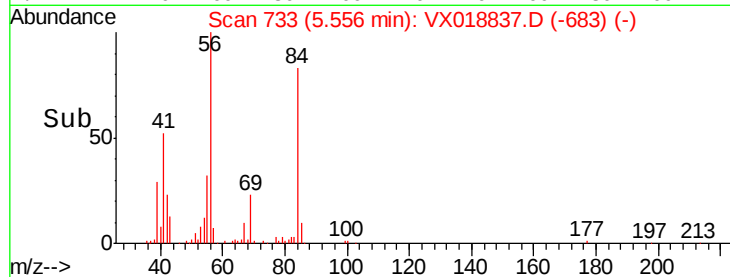
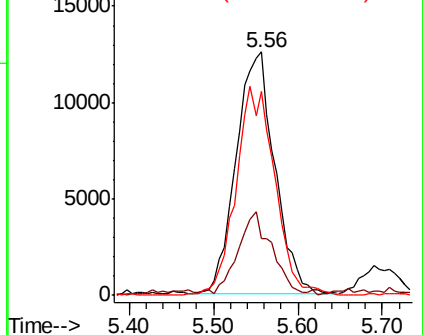
#30
Cyclohexane
Concen: 3.211 ug/L
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX018837.D
Acq: 08 Oct 2020 14:32

Instrument :
MSVOA_X
ClientSampleId :
BG3S8DL

Tot Ion: 56 Resp: 39063
Ion Ratio Lower Upper
56 100
69 31.0 26.0 39.0
84 86.6 73.8 110.6

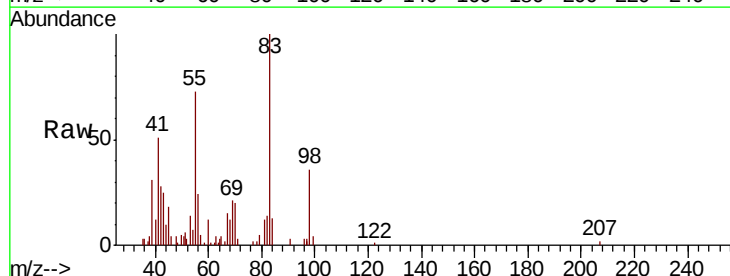


Abundance Ion 56.10 (55.80 to 56.80): VX0
Ion 69.15 (68.85 to 69.85): VX0
Ion 84.15 (83.85 to 84.85): VX0

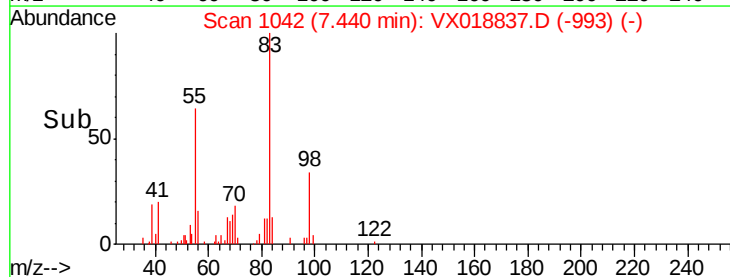
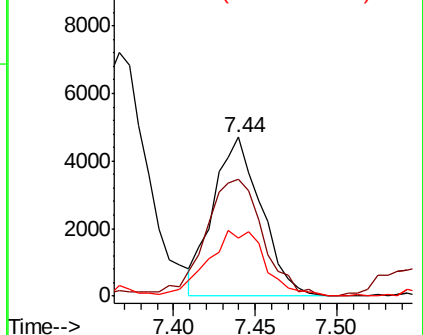


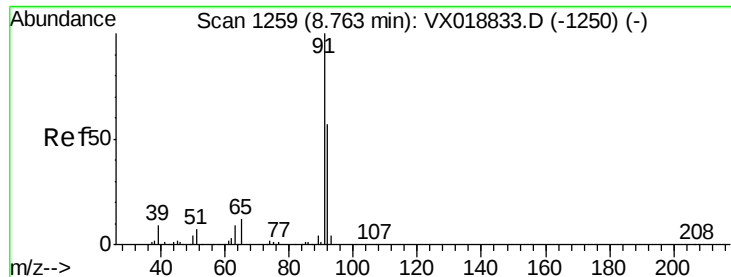
#35
Methylcyclohexane
Concen: 0.745 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX018837.D
Acq: 08 Oct 2020 14:32

Tgt Ion: 83 Resp: 9670
Ion Ratio Lower Upper
83 100
55 87.9 60.3 90.5
98 48.8 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: 0.386 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX018837.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

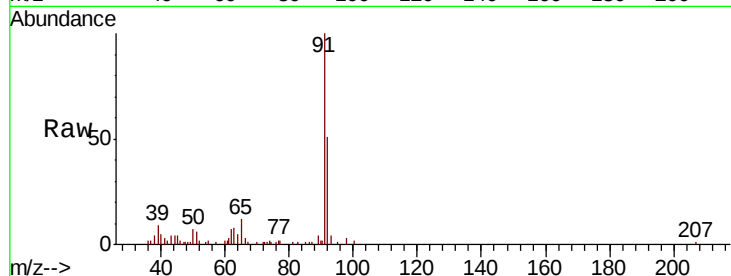
BG3S8DL

Tot Ion: 91 Resp: 13108

Ion Ratio Lower Upper

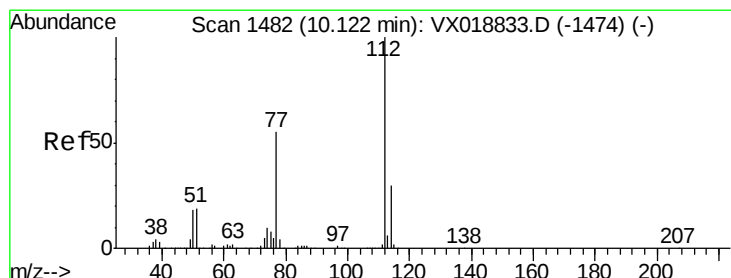
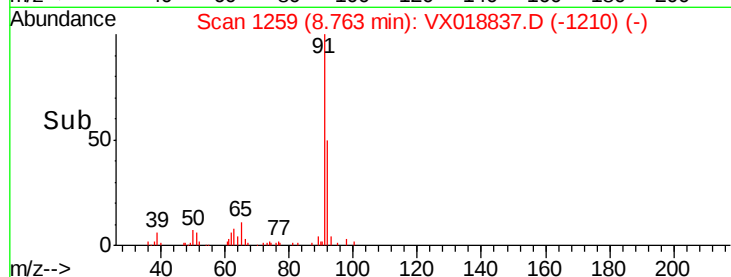
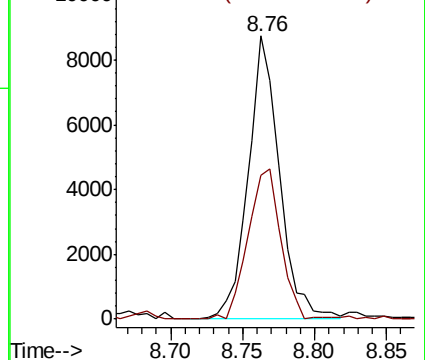
91 100

92 50.6 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: 9.841 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018837.D

Acq: 08 Oct 2020 14:32

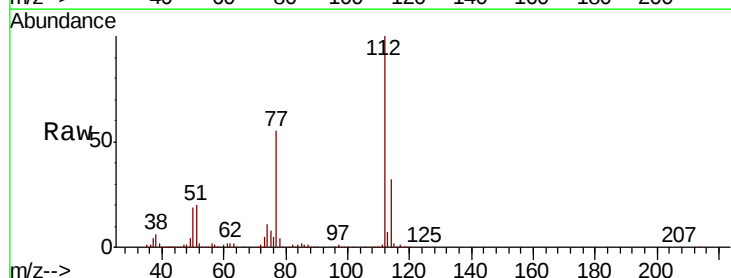
Tgt Ion: 112 Resp: 228679

Ion Ratio Lower Upper

112 100

114 32.2 21.3 39.5

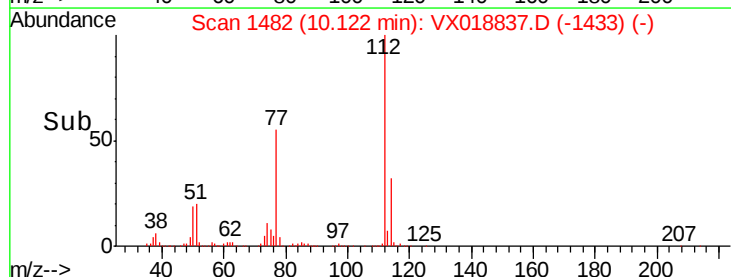
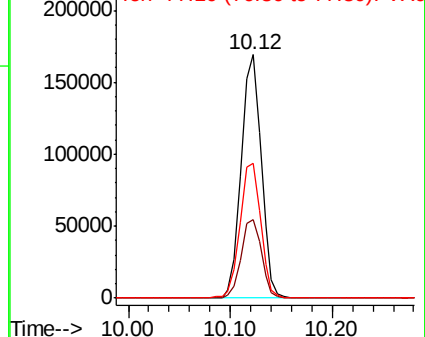
77 55.4 42.4 63.6

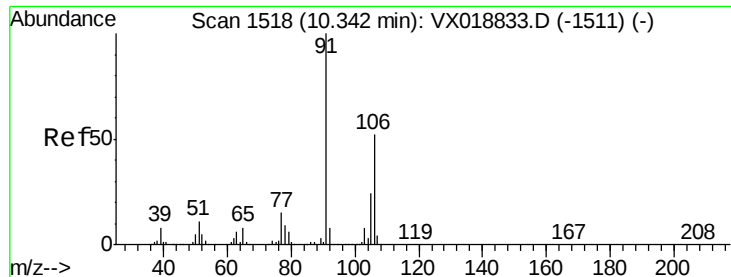


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0





#55

m,p-xylene

Concen: 0.200 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018837.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

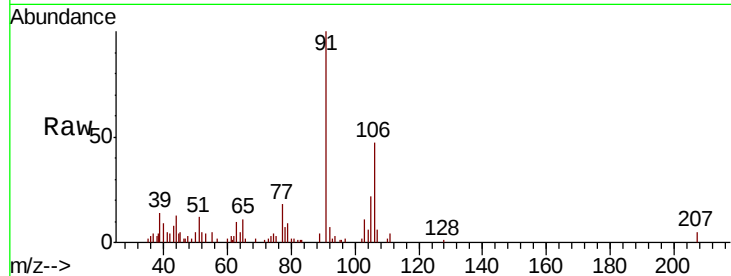
BG3S8DL

Tot Ion:106 Resp: 2970

Ion Ratio Lower Upper

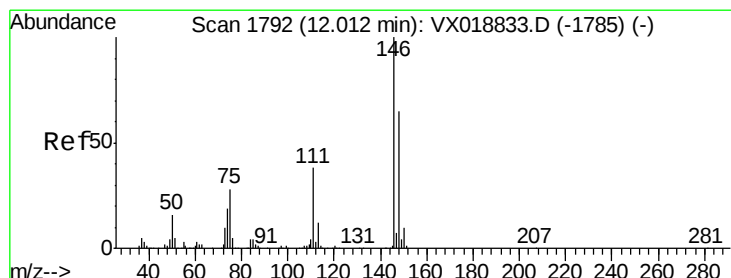
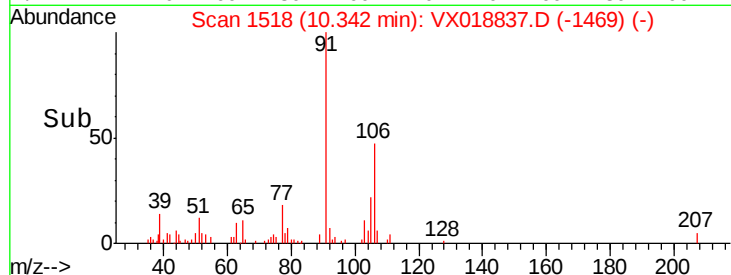
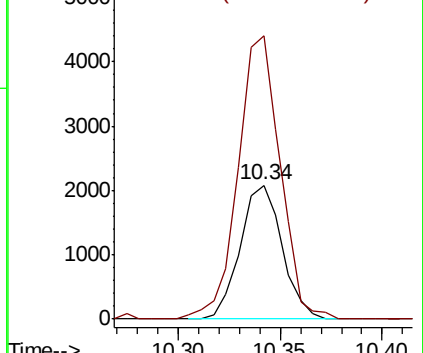
106 100

91 211.3 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#63

1,3-Dichlorobenzene

Concen: 2.357 ug/L

RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX018837.D

Acq: 08 Oct 2020 14:32

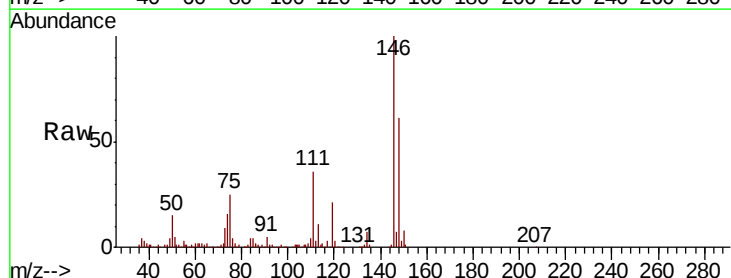
Tgt Ion:146 Resp: 46335

Ion Ratio Lower Upper

146 100

111 35.7 28.4 52.8

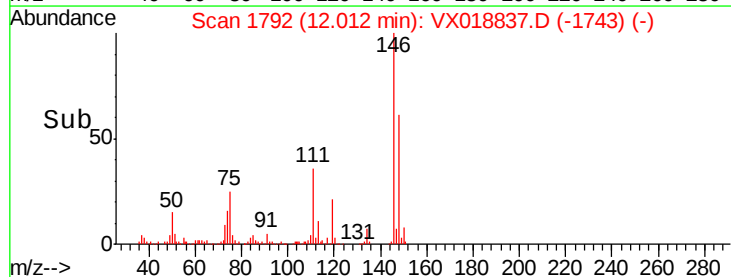
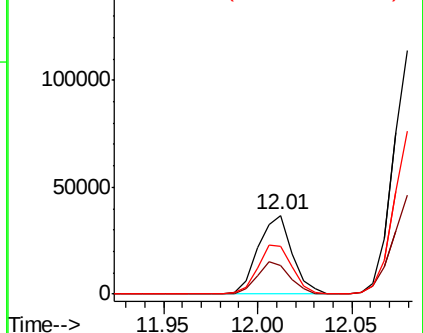
148 60.9 45.9 85.3

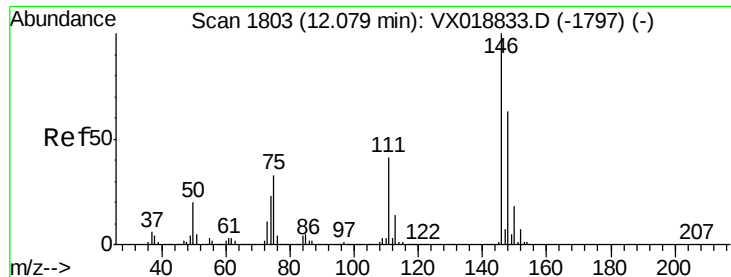


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 7.385 ug/L

RT: 12.08 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VX018837.D

Acq: 08 Oct 2020 14:32

Instrument :

MSVOA_X

ClientSampleId :

BG3S8DL

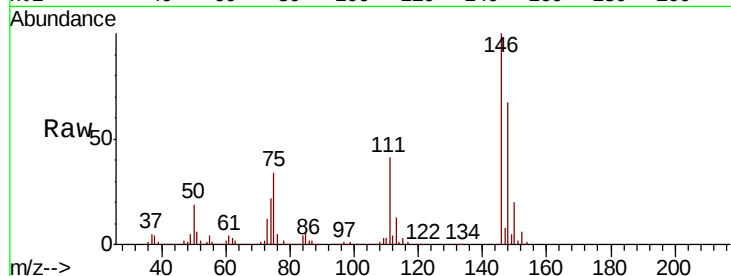
Tot Ion:146 Resp: 144770

Ion Ratio Lower Upper

146 100

111 40.6 28.6 53.2

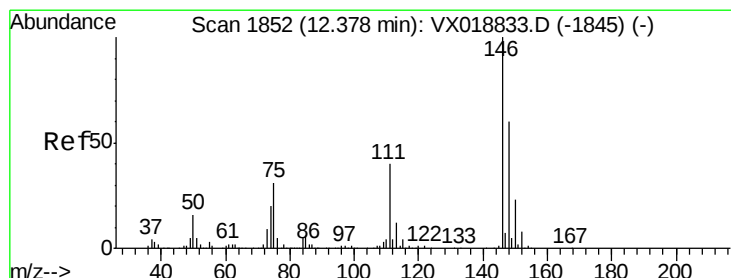
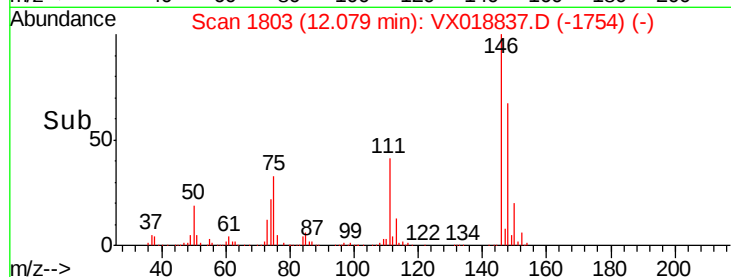
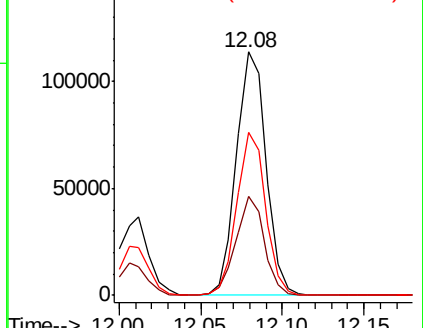
148 67.1 44.2 82.0



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: 0.565 ug/L

RT: 12.37 min Scan# 1851

Delta R.T. -0.01 min

Lab File: VX018837.D

Acq: 08 Oct 2020 14:32

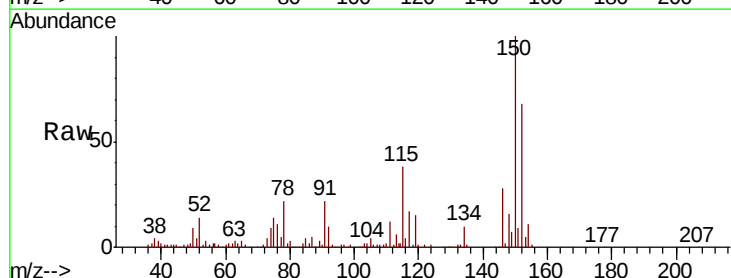
Tgt Ion:146 Resp: 10370

Ion Ratio Lower Upper

146 100

111 42.5 31.7 47.5

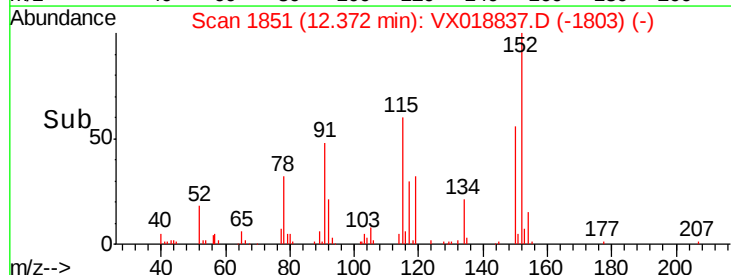
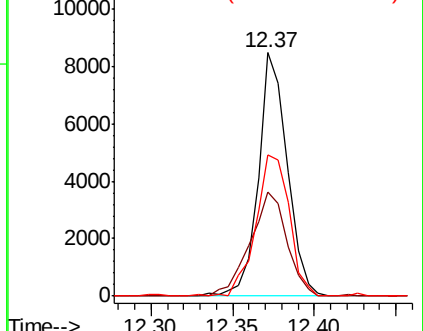
148 57.9 49.0 73.6

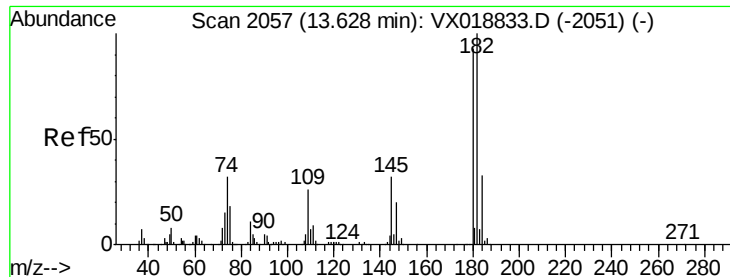


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

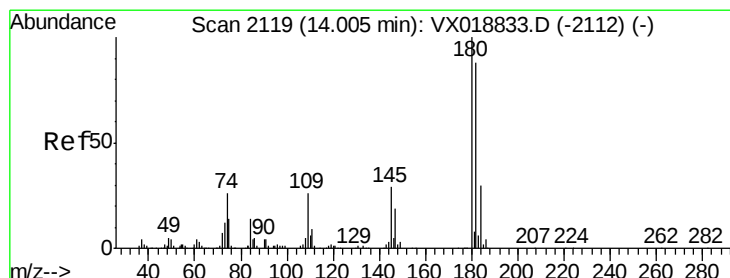
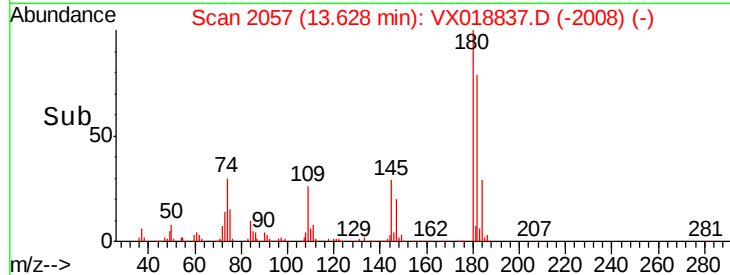
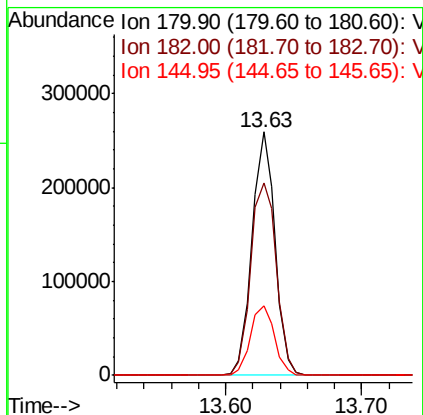
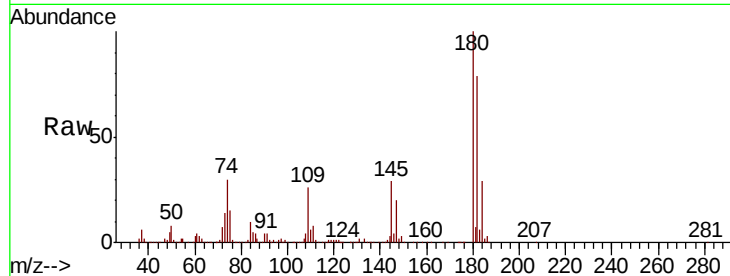




#69
 1,2,4-trichlorobenzene
 Concen: 24.578 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018837.D
 Acq: 08 Oct 2020 14:32

Instrument :
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 ClientSampleId :
 BG3S8DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.8	80.2	120.4
145	29.9	25.2	37.8



#71
 1,2,3-Trichlorobenzene
 Concen: 4.028 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018837.D
 Acq: 08 Oct 2020 14:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	73.6	110.4
145	35.9	26.6	40.0

