

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100620\
 Data File : VX018794.D
 Acq On : 06 Oct 2020 12:59
 Operator : JC/SP
 Sample : L4240-01DL 5X
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q7DL

Quant Time: Oct 07 02:00:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR100220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 07 01:30:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	132598	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	125317	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	64679	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	35378	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.70	69	32513	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.34	63	63045	3.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.20%
20) 2-Butanone-d5	4.54	46	127671	62.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.68%
24) Chloroform-d	5.14	84	92984	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	6.03	65	53515	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	6.04	84	166417	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	7.37	67	50075	5.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.20%
41) Toluene-d8	8.70	98	150871	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
45) trans-1,3-Dichloropropene-	8.99	79	22459	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
48) 2-Hexanone-d5	9.43	63	100151	61.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.38%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	40229	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	64237	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

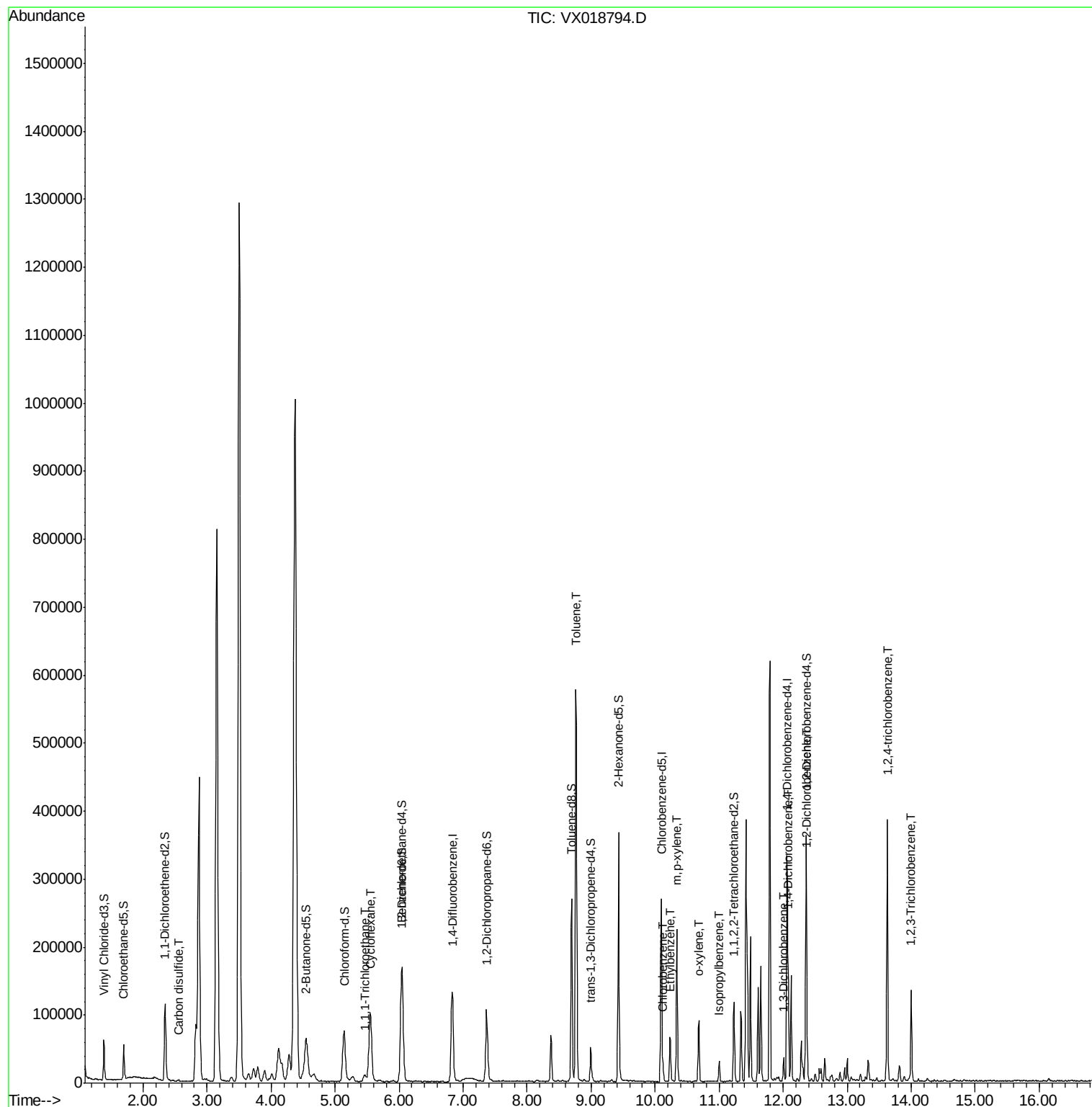
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Carbon disulfide	2.55	76	2772	0.134	ug/L	97
29) 1,1,1-Trichloroethane	5.46	97	9796	0.661	ug/L	99
30) Cyclohexane	5.54	56	65198	6.341	ug/L	98
42) Toluene	8.76	91	361540	12.590	ug/L	99
53) Chlorobenzene	10.12	112	8108	0.413	ug/L #	84
54) Ethylbenzene	10.23	91	36785	1.143	ug/L	98
55) m,p-xylene	10.34	106	50166	3.995	ug/L	97
56) o-xylene	10.68	106	19159	1.651	ug/L	93
58) Isopropylbenzene	11.00	105	14112	0.434	ug/L	96
63) 1,3-Dichlorobenzene	12.01	146	8341	0.531	ug/L	99
64) 1,4-Dichlorobenzene	12.08	146	36669	2.339	ug/L	95
66) 1,2-Dichlorobenzene	12.37	146	10733	0.731	ug/L	93
69) 1,2,4-trichlorobenzene	13.63	180	84962	8.457	ug/L	96
71) 1,2,3-Trichlorobenzene	14.00	180	30315	3.354	ug/L	95

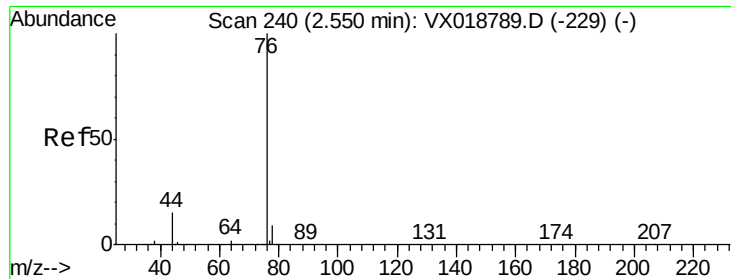
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 07 01:30:09 2020
Response via : Initial Calibration





#14

Carbon disulfide

Concen: 0.134 ug/L

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX018794.D

Acq: 06 Oct 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

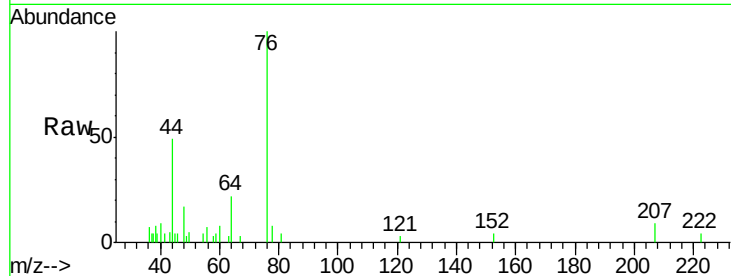
BG3Q7DL

Tot Ion: 76 Resp: 2772

Ion Ratio Lower Upper

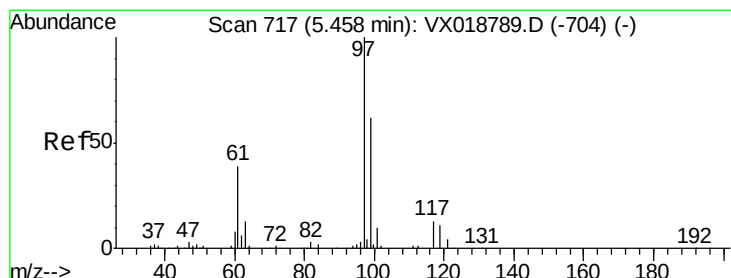
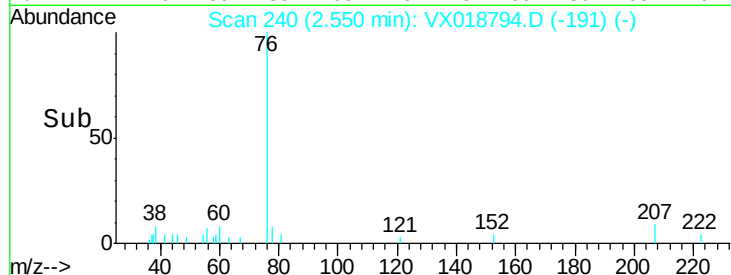
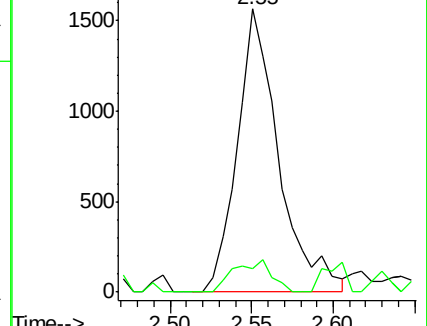
76 100

78 8.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#29

1,1,1-Trichloroethane

Concen: 0.661 ug/L

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX018794.D

Acq: 06 Oct 2020 12:59

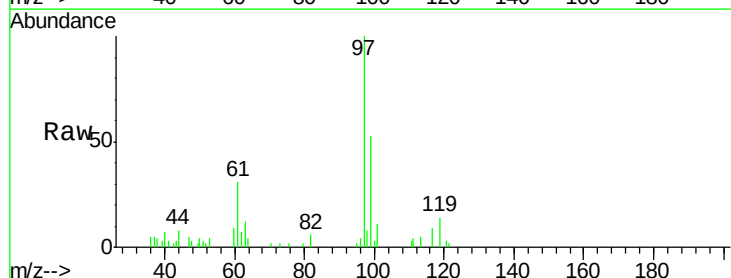
Tgt Ion: 97 Resp: 9796

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

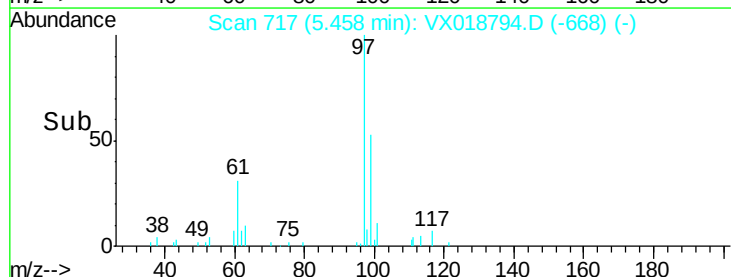
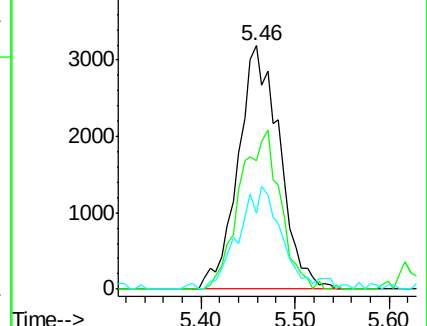
61 42.5 33.3 49.9

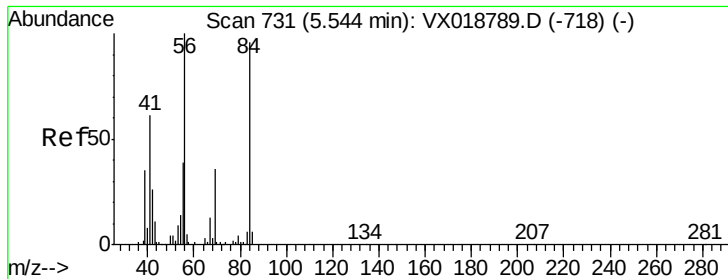


Abundance Ion 96.95 (96.65 to 97.65): VX0

Ion 99.05 (98.75 to 99.75): VX0

Ion 61.05 (60.75 to 61.75): VX0

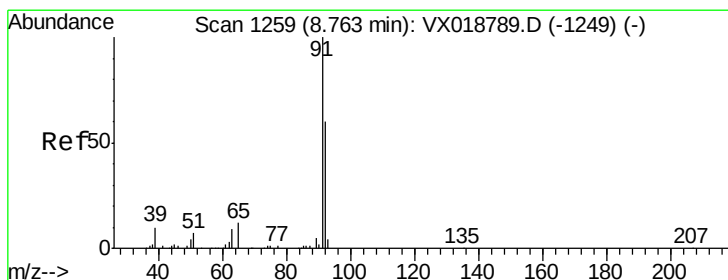
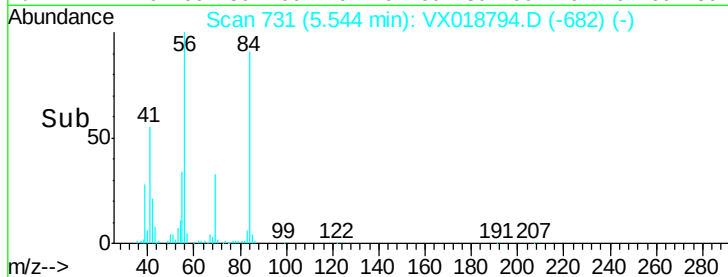
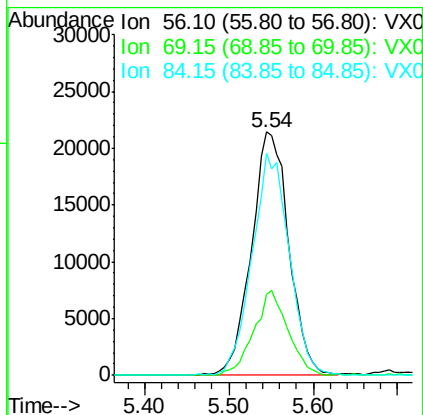
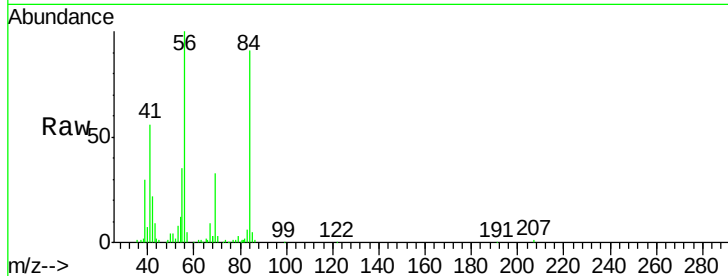




#30
Cyclohexane
Concen: 6.341 ug/L
RT: 5.54 min Scan# 731
Delta R.T. 0.00 min
Lab File: VX018794.D
Acq: 06 Oct 2020 12:59

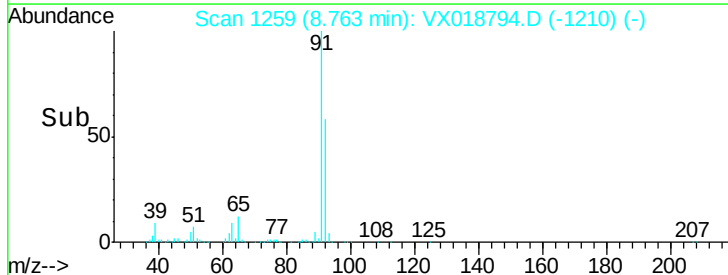
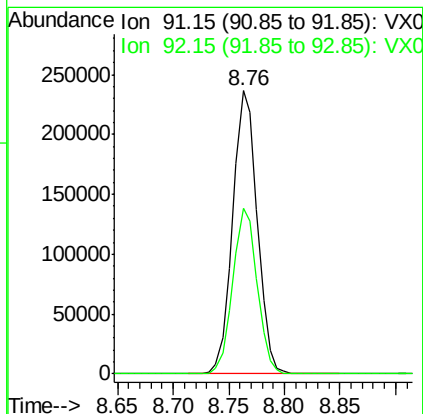
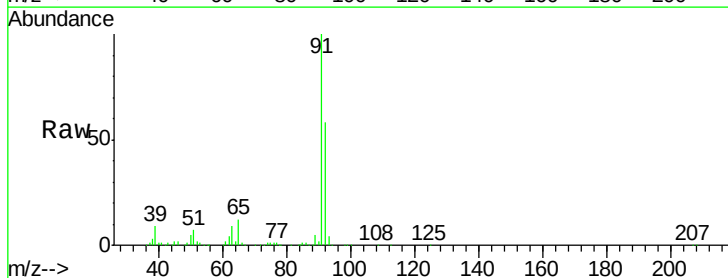
Instrument :
MSVOA_X
ClientSampleId :
BG3Q7DL

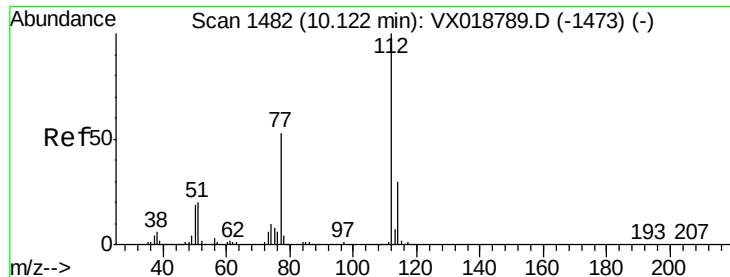
Tot Ion: 56 Resp: 65198
Ion Ratio Lower Upper
56 100
69 31.8 26.0 39.0
84 90.7 73.8 110.6



#42
Toluene
Concen: 12.590 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX018794.D
Acq: 06 Oct 2020 12:59

Tgt Ion: 91 Resp: 361540
Ion Ratio Lower Upper
91 100
92 58.4 40.3 74.9





#53

Chlorobenzene

Concen: 0.413 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX018794.D

Acq: 06 Oct 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

BG3Q7DL

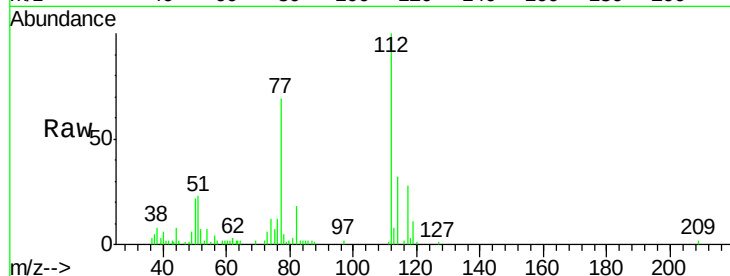
Tot Ion:112 Resp: 8108

Ion Ratio Lower Upper

112 100

114 32.4 21.3 39.5

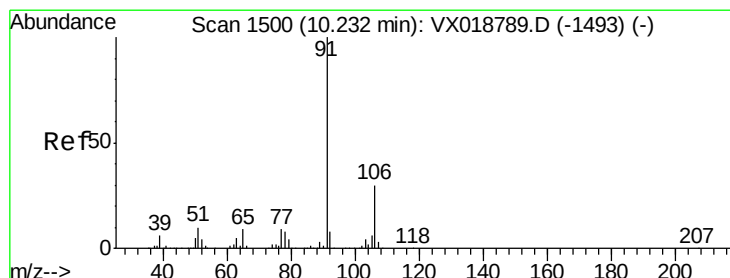
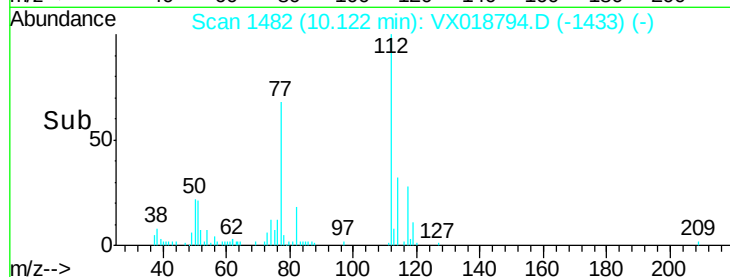
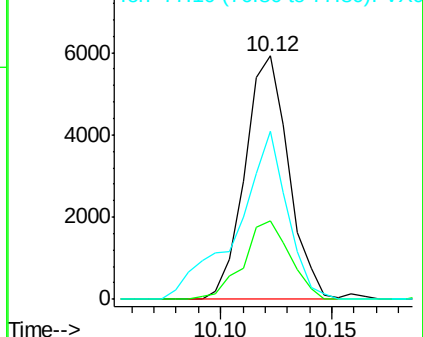
77 69.2 42.4 63.6#



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: 1.143 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX018794.D

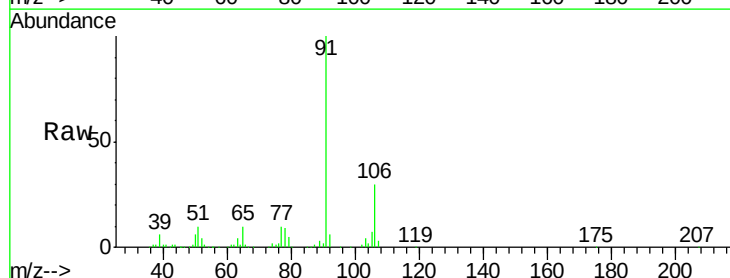
Acq: 06 Oct 2020 12:59

Tgt Ion: 91 Resp: 36785

Ion Ratio Lower Upper

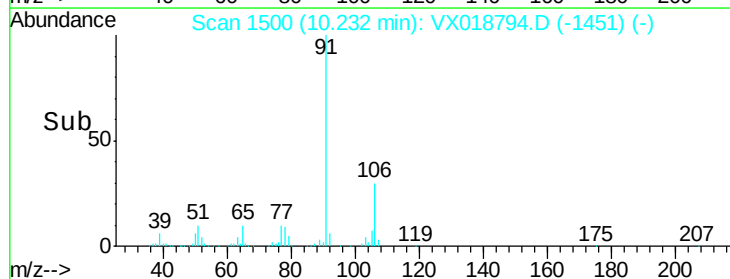
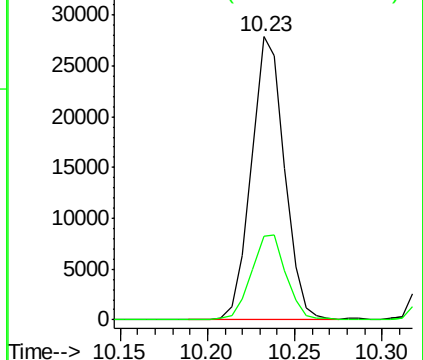
91 100

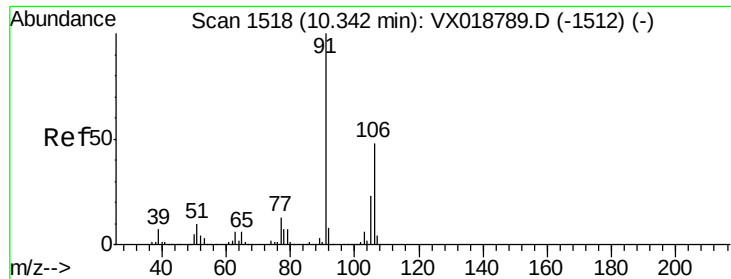
106 29.8 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VX0

Ion 106.15 (105.85 to 106.85): V





#55

m,p-xylene

Concen: 3.995 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX018794.D

Acq: 06 Oct 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

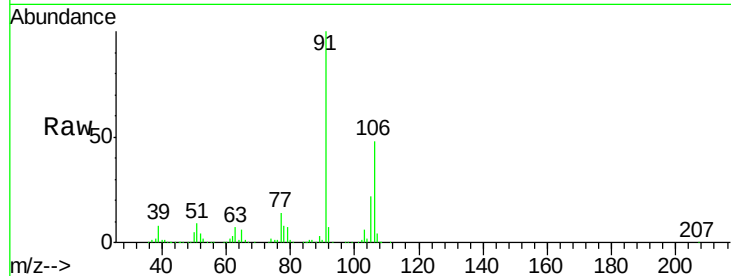
BG3Q7DL

Tot Ion:106 Resp: 50166

Ion Ratio Lower Upper

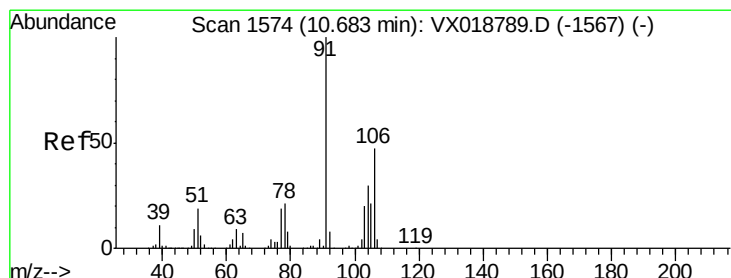
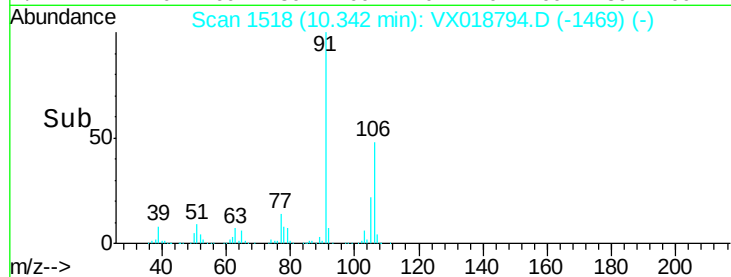
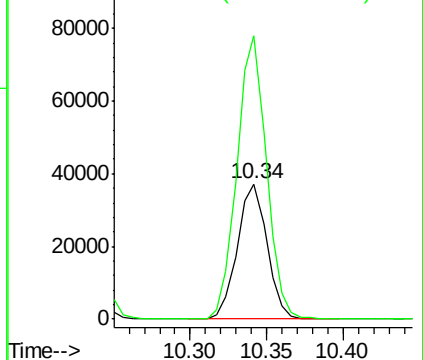
106 100

91 208.9 143.4 266.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#56

o-xylene

Concen: 1.651 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX018794.D

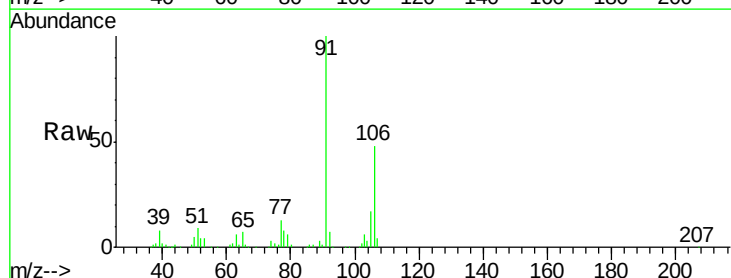
Acq: 06 Oct 2020 12:59

Tgt Ion:106 Resp: 19159

Ion Ratio Lower Upper

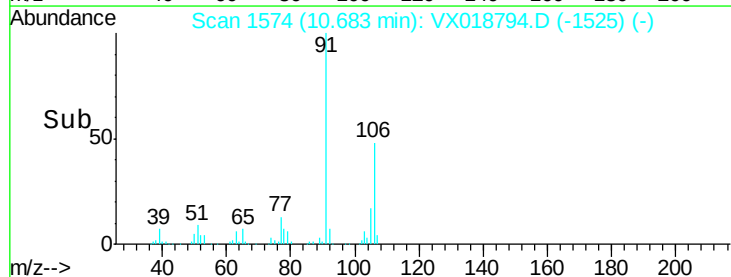
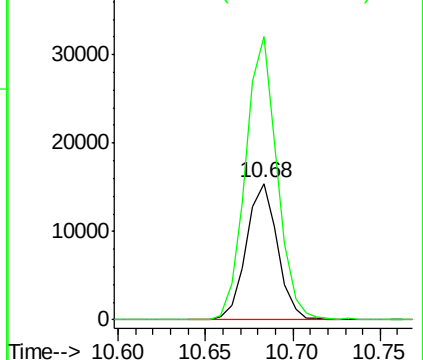
106 100

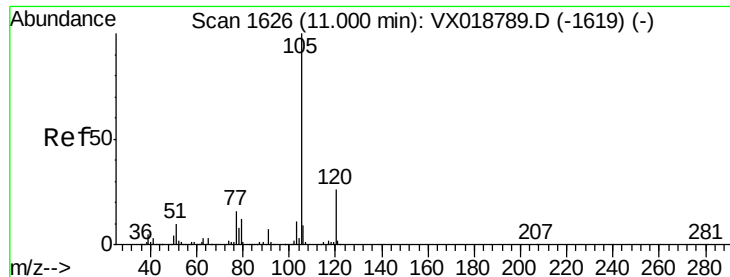
91 207.9 153.4 284.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





#58

Isopropylbenzene

Concen: 0.434 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX018794.D

Acq: 06 Oct 2020 12:59

Instrument :

MSVOA_X

ClientSampleId :

BG3Q7DL

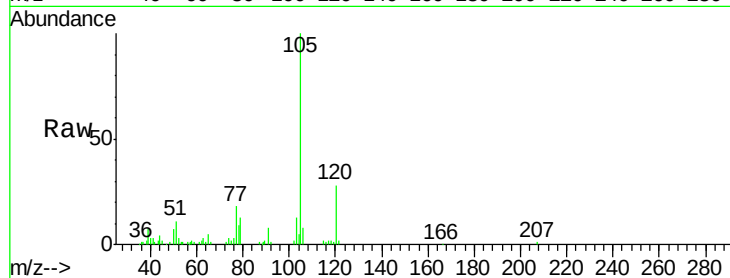
Tot Ion:105 Resp: 14112

Ion Ratio Lower Upper

105 100

120 27.6 20.2 30.2

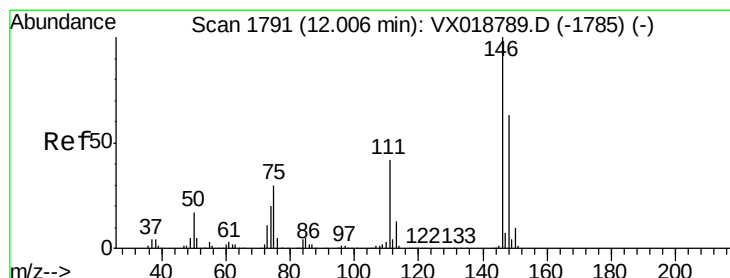
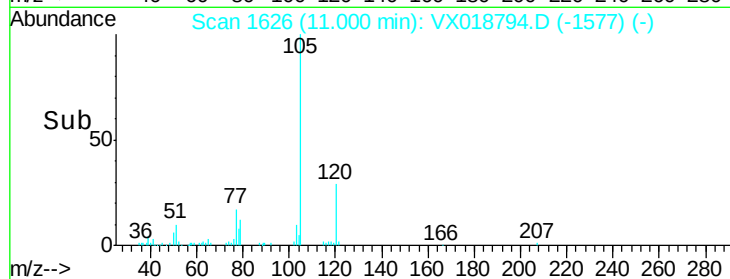
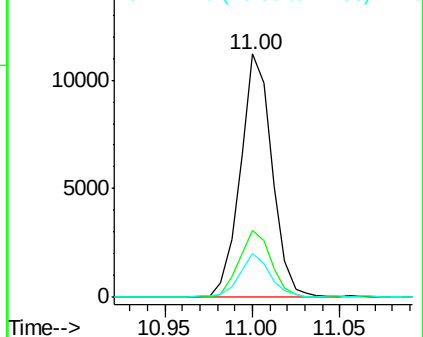
77 17.6 13.3 19.9



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: 0.531 ug/L

RT: 12.01 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX018794.D

Acq: 06 Oct 2020 12:59

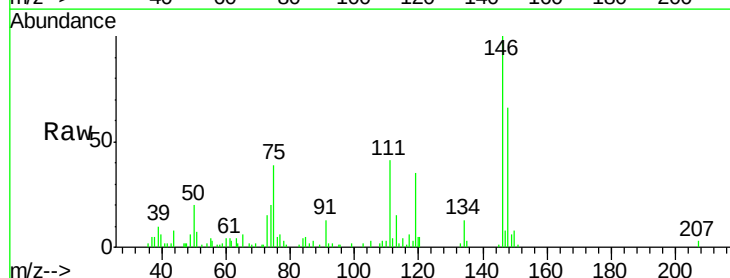
Tgt Ion:146 Resp: 8341

Ion Ratio Lower Upper

146 100

111 41.2 28.4 52.8

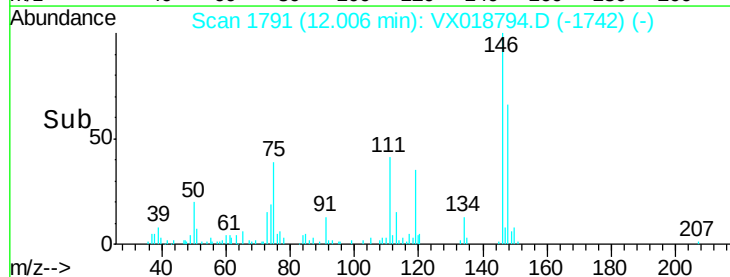
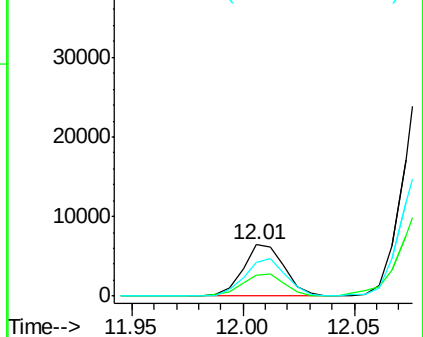
148 66.4 45.9 85.3

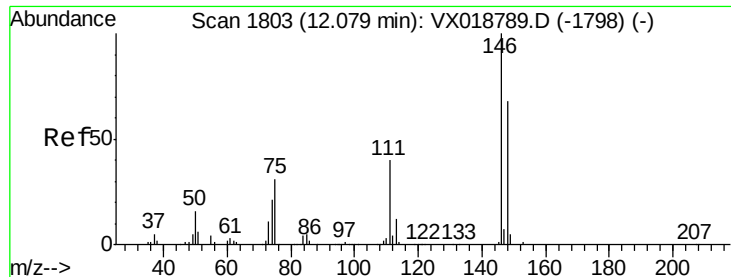


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

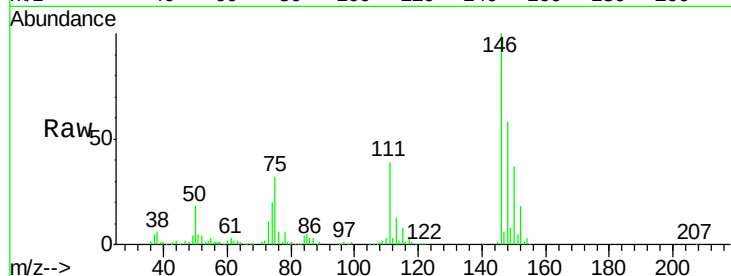




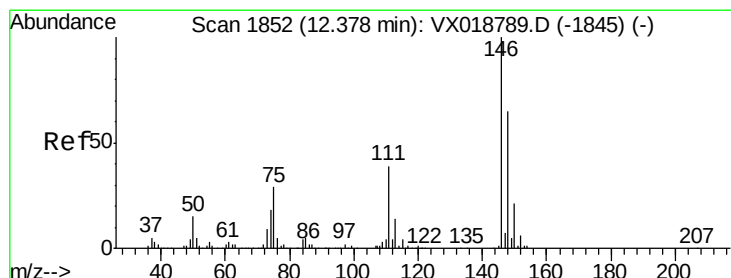
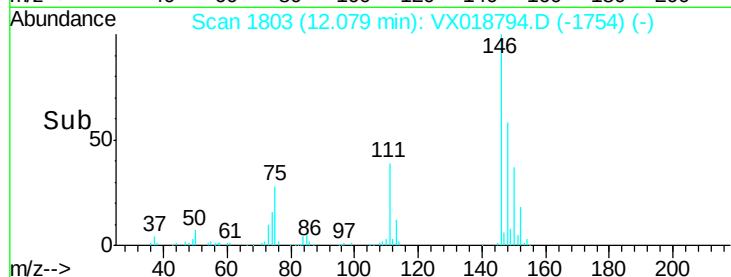
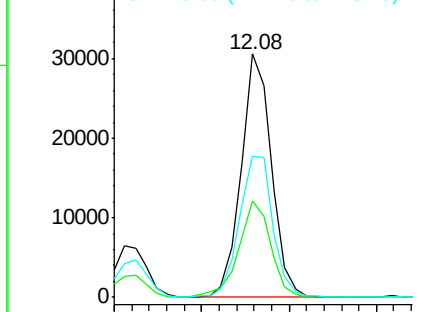
#64
 1,4-Dichlorobenzene
 Concen: 2.339 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX018794.D
 Acq: 06 Oct 2020 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q7DL

Tot Ion:146 Resp: 36669
 Ion Ratio Lower Upper
 146 100
 111 39.4 28.6 53.2
 148 57.8 44.2 82.0

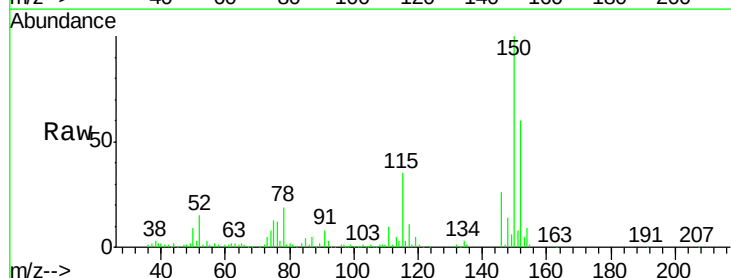


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

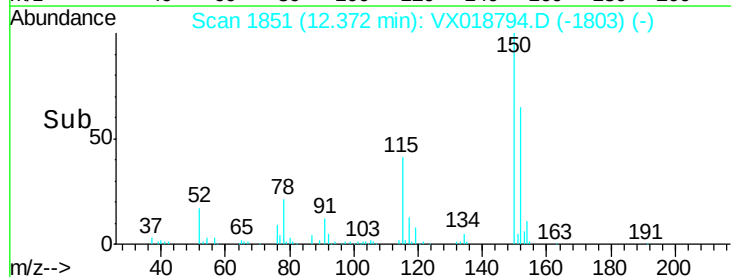
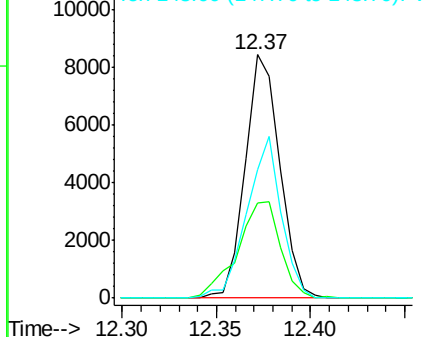


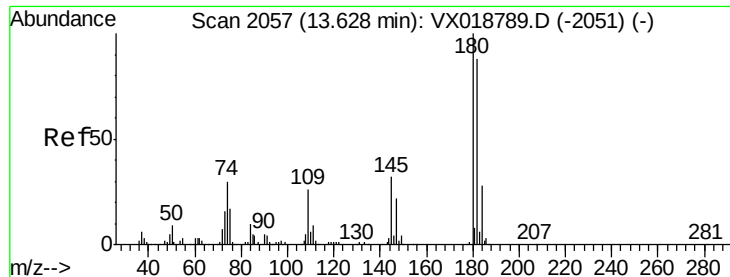
#66
 1,2-Dichlorobenzene
 Concen: 0.731 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018794.D
 Acq: 06 Oct 2020 12:59

Tgt Ion:146 Resp: 10733
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.7 47.5
 148 52.9 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

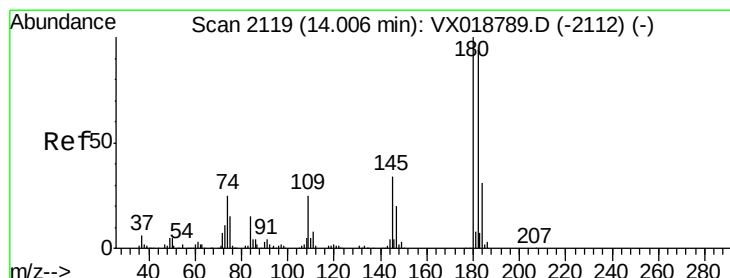
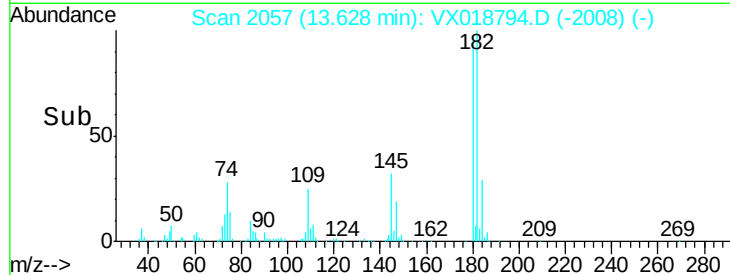
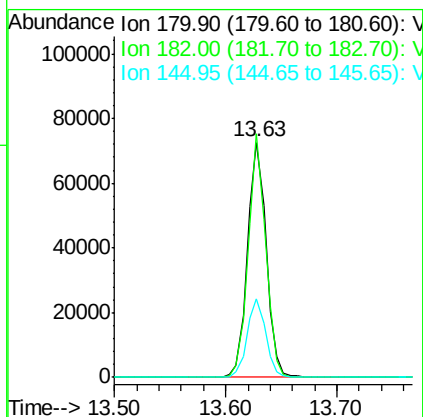
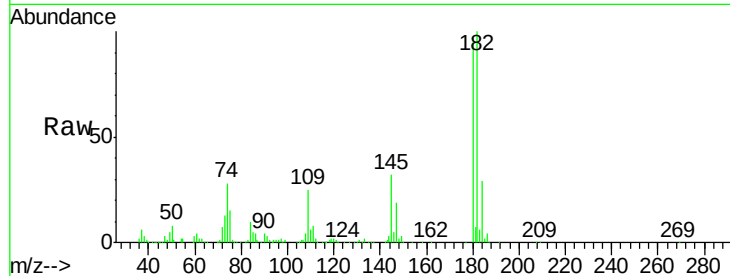




#69
 1,2,4-trichlorobenzene
 Concen: 8.457 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX018794.D
 Acq: 06 Oct 2020 12:59

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3Q7DL

Tot Ion:180 Resp: 84962
 Ion Ratio Lower Upper
 180 100
 182 96.1 80.2 120.4
 145 33.2 25.2 37.8



#71
 1,2,3-Trichlorobenzene
 Concen: 3.354 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018794.D
 Acq: 06 Oct 2020 12:59

Tgt Ion:180 Resp: 30315
 Ion Ratio Lower Upper
 180 100
 182 98.4 73.6 110.4
 145 32.5 26.6 40.0

