

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX093020\
 Data File : VX018718.D
 Acq On : 30 Sep 2020 23:39
 Operator : JC/SP
 Sample : L4171-12
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3T9

Quant Time: Oct 01 05:59:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 01:06:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	205257	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	198212	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	112043	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	36422	3.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.80%
7) Chloroethane-d5	1.70	69	37400	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.34	63	72904	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.55	46	154992	56.59	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.18%
24) Chloroform-d	5.14	84	121465	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	6.03	65	69694	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	6.05	84	203791	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	7.37	67	65838	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	8.70	98	185334	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
45) trans-1,3-Dichloropropene-	8.99	79	27143	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
48) 2-Hexanone-d5	9.43	63	124007	55.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.70%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	53691	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	84697	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.44	43	188428	124.297	ug/L	94
14) Carbon disulfide	2.55	76	101181	3.321	ug/L	96
19) 1,1-Dichloroethane	3.67	63	7094	0.395	ug/L #	87
21) 2-Butanone	4.66	43	78075	32.447	ug/L #	52
29) 1,1,1-Trichloroethane	5.47	97	4215	0.223	ug/L #	68
30) Cyclohexane	5.56	56	4152	0.276	ug/L #	44
33) Benzene	6.12	78	3526	0.092	ug/L	100
34) Trichloroethene	7.19	95	1238	0.112	ug/L #	76
35) Methylcyclohexane	7.44	83	3177	0.207	ug/L #	70
42) Toluene	8.76	91	4289	0.104	ug/L	87
49) Tetrachloroethene	9.31	164	914	0.105	ug/L #	64
50) 2-Hexanone	9.48	43	20892	5.222	ug/L #	93
54) Ethylbenzene	10.23	91	8608	0.191	ug/L	89
55) m,p-xylene	10.34	106	2107	0.123	ug/L	87
56) o-xylene	10.68	106	2278	0.140	ug/L	94
58) Isopropylbenzene	11.00	105	67559	1.551	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	5522	0.227	ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 01 01:06:26 2020
Response via : Initial Calibration

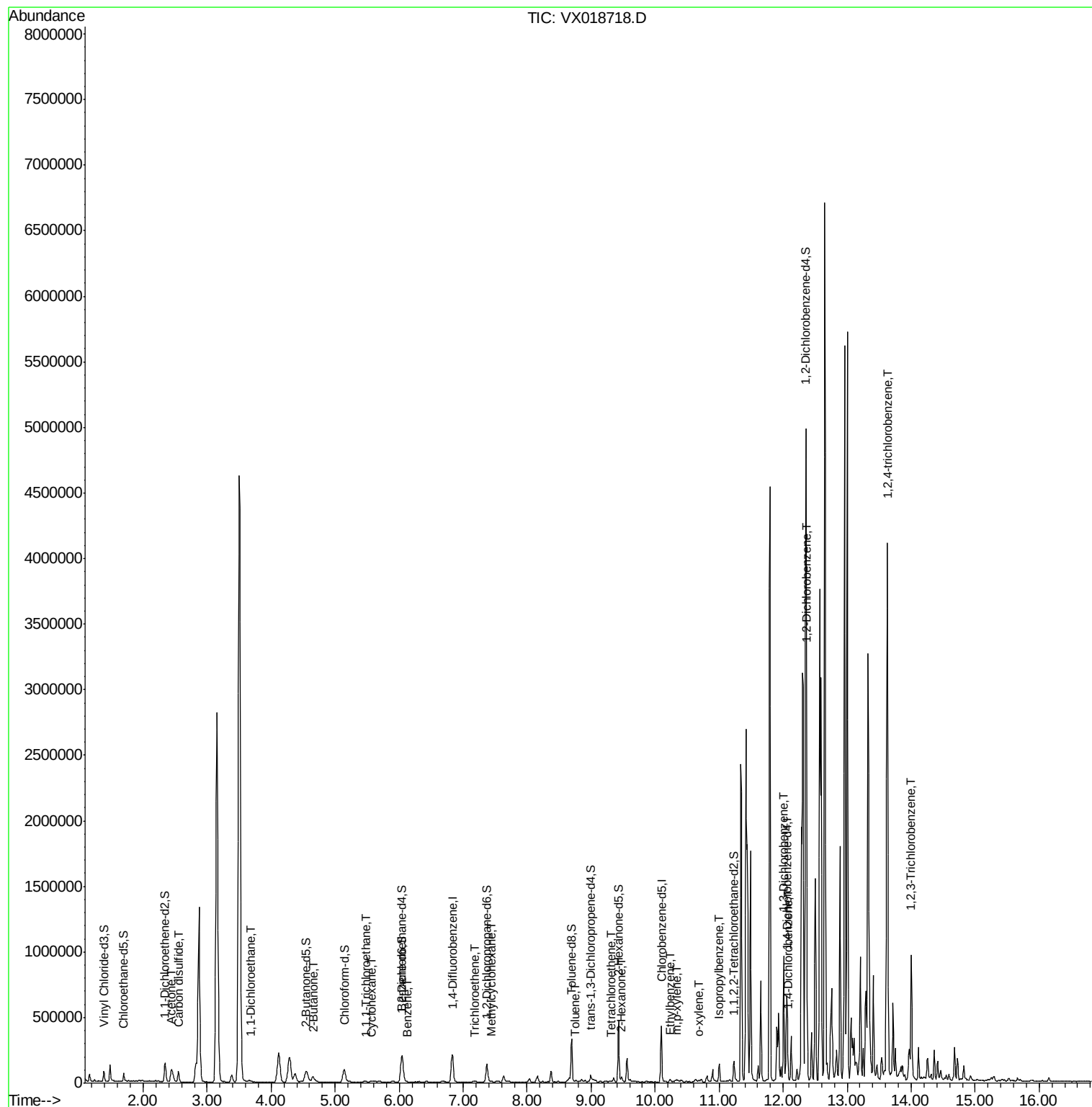
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	12.08	146	3614	0.147	ug/L #	48
66) 1,2-Dichlorobenzene	12.37	146	8089	0.356	ug/L #	83
69) 1,2,4-trichlorobenzene	13.63	180	777809	51.889	ug/L	96
71) 1,2,3-Trichlorobenzene	14.00	180	215888	15.937	ug/L	99

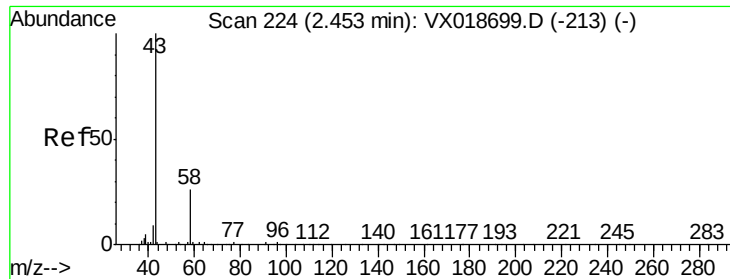
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 124.297 ug/L

RT: 2.44 min Scan# 222

Delta R.T. -0.02 min

Lab File: VX018718.D

Acq: 30 Sep 2020 23:39

Instrument :

MSVOA_X

ClientSampleId :

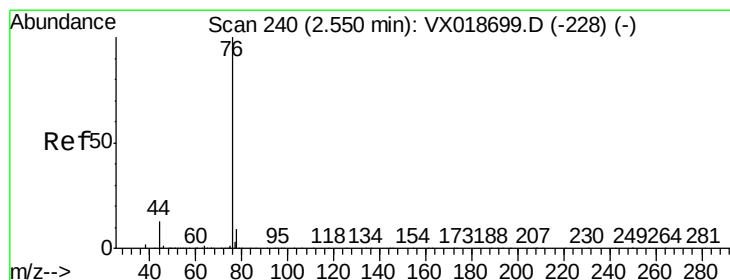
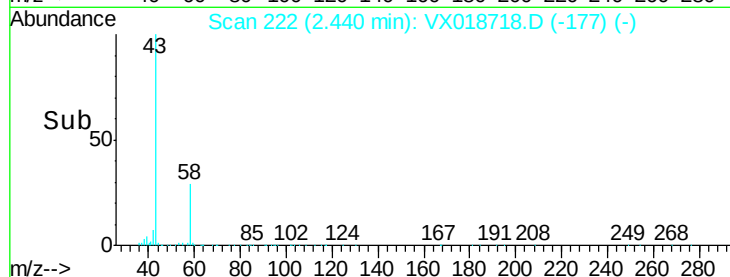
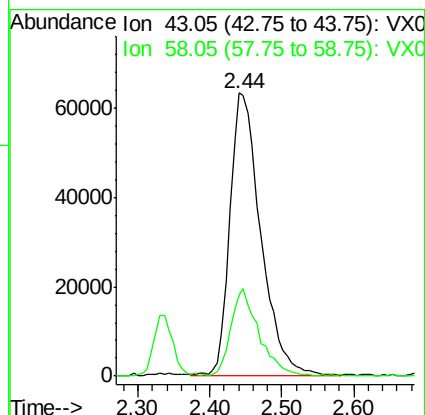
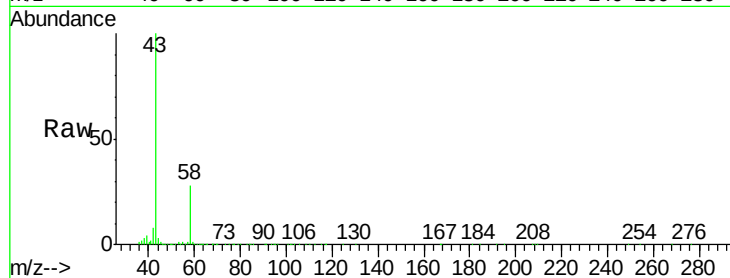
BG3T9

Tot Ion: 43 Resp: 188428

Ion Ratio Lower Upper

43 100

58 27.8 0.0 61.6



#14

Carbon disulfide

Concen: 3.321 ug/L

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018718.D

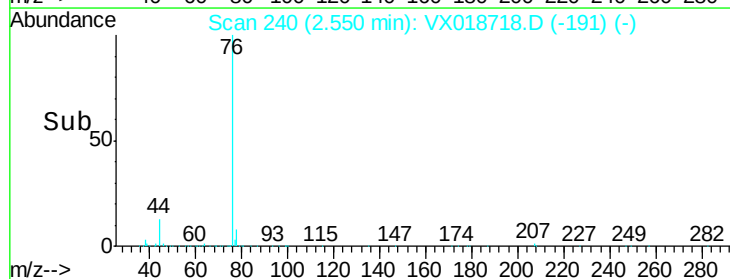
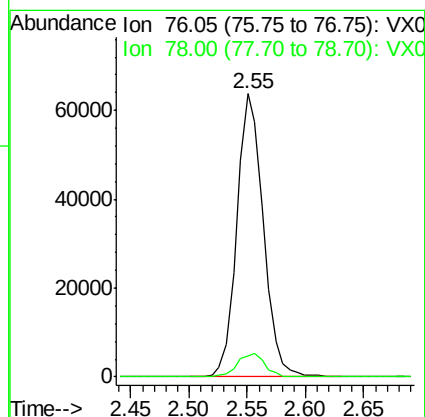
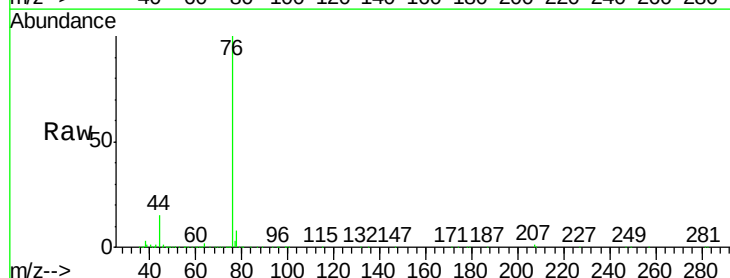
Acq: 30 Sep 2020 23:39

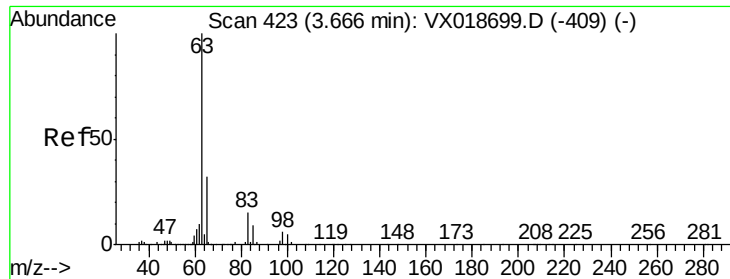
Tgt Ion: 76 Resp: 101181

Ion Ratio Lower Upper

76 100

78 7.6 7.4 11.0





#19

1,1-Dichloroethane

Concen: 0.395 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX018718.D

Acq: 30 Sep 2020 23:39

Instrument :

MSVOA_X

ClientSampleId :

BG3T9

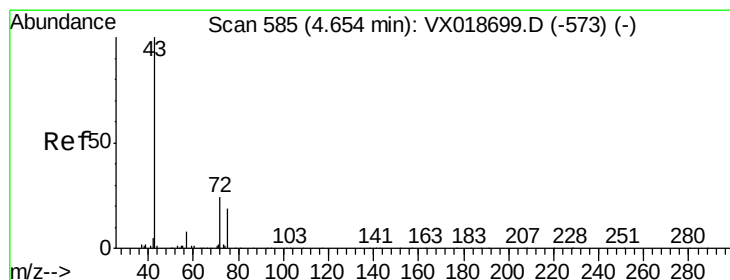
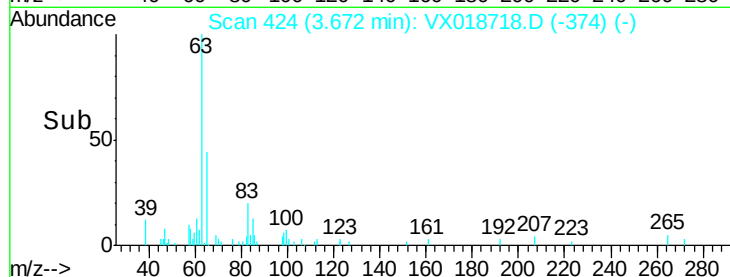
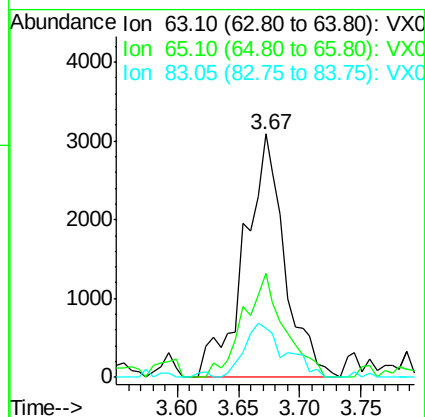
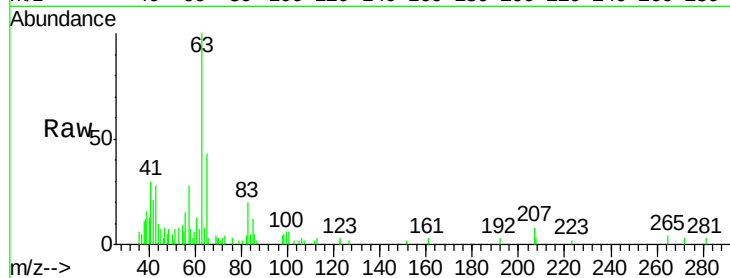
Tot Ion: 63 Resp: 7094

Ion Ratio Lower Upper

63 100

65 39.6 22.7 42.1

83 18.5 9.3 17.3#



#21

2-Butanone

Concen: 32.447 ug/L

RT: 4.66 min Scan# 586

Delta R.T. -0.01 min

Lab File: VX018718.D

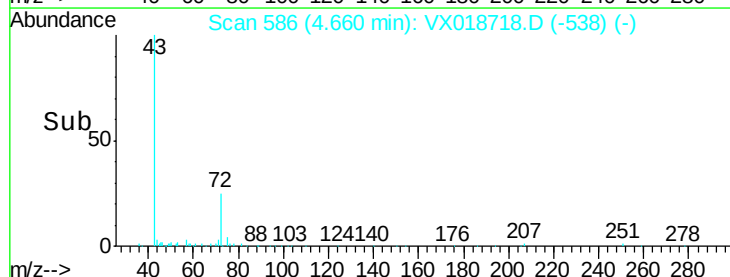
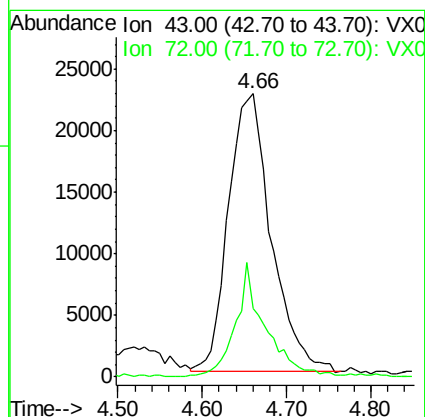
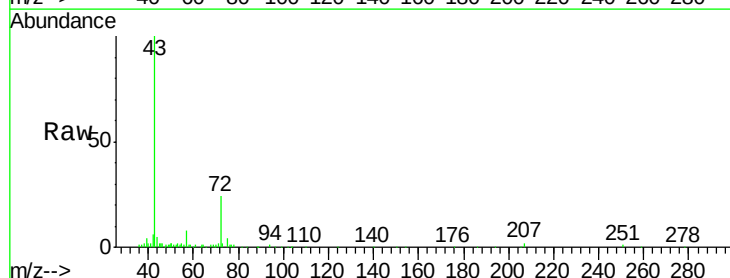
Acq: 30 Sep 2020 23:39

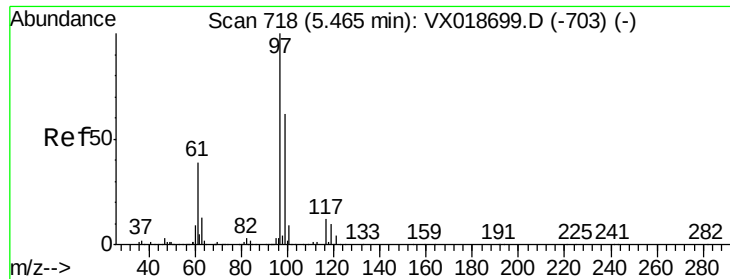
Tgt Ion: 43 Resp: 78075

Ion Ratio Lower Upper

43 100

72 28.3 5.2 15.6#

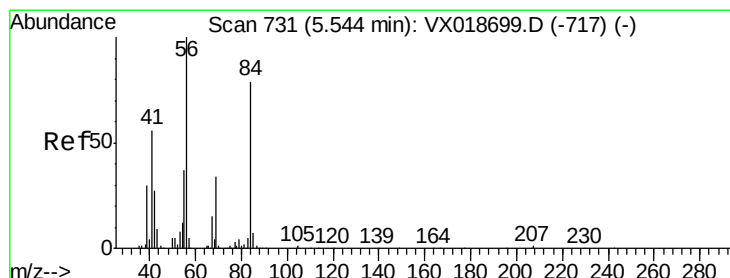
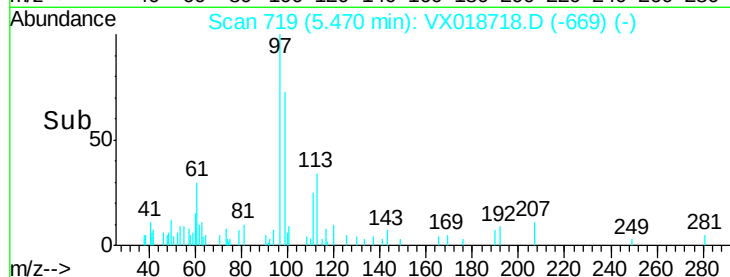
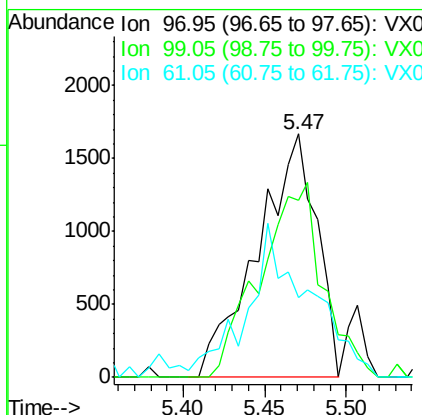
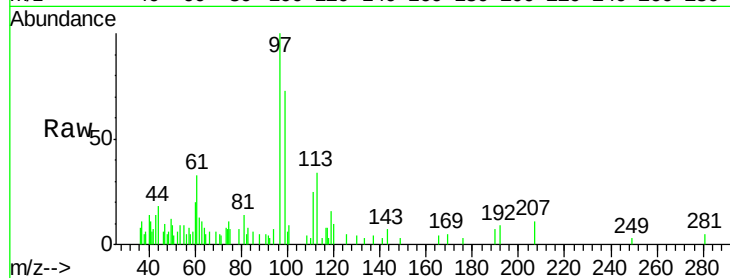




#29
 1,1,1-Trichloroethane
 Concen: 0.223 ug/L
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX018718.D
 Acq: 30 Sep 2020 23:39

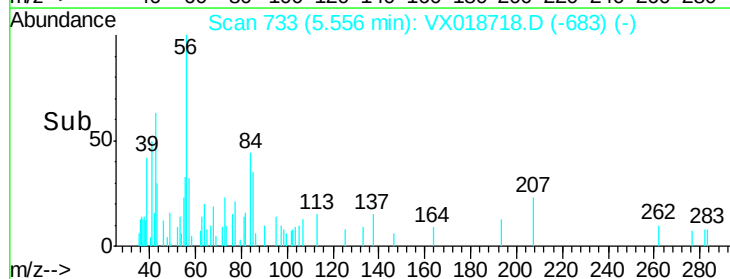
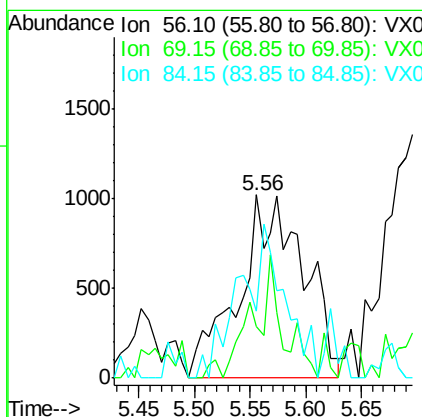
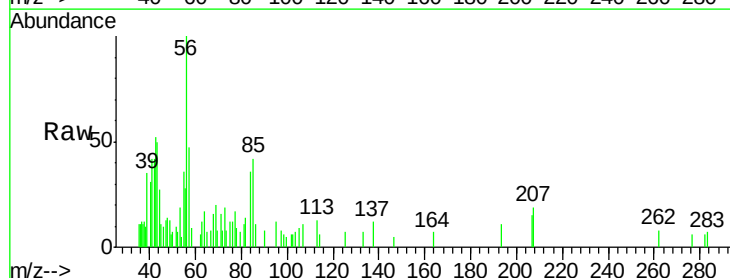
Instrument :
 MSVOA_X
 ClientSampled :
 BG3T9

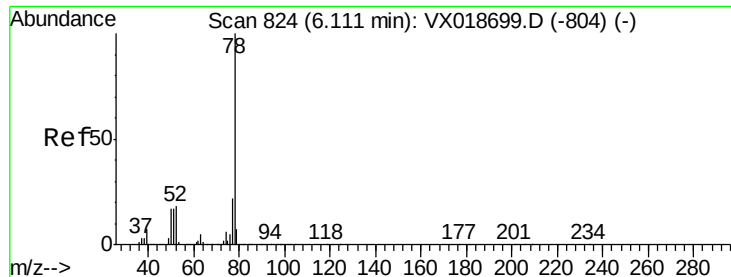
Tot Ion	Ratio	Lower	Upper
97	100		
99	85.1	50.0	75.0#
61	65.7	33.9	50.9#



#30
 Cyclohexane
 Concen: 0.276 ug/L
 RT: 5.56 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VX018718.D
 Acq: 30 Sep 2020 23:39

Tgt Ion	Ratio	Lower	Upper
56	100		
69	12.0	26.4	39.6#
84	31.9	72.7	109.1#





#33

Benzene

Concen: 0.092 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018718.D

Acq: 30 Sep 2020 23:39

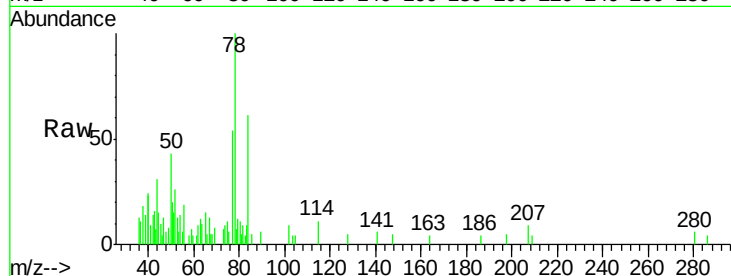
Instrument :

MSVOA_X

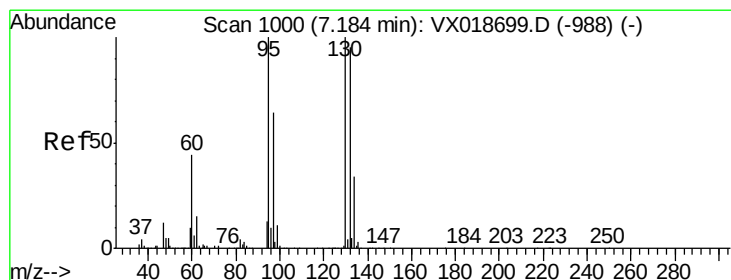
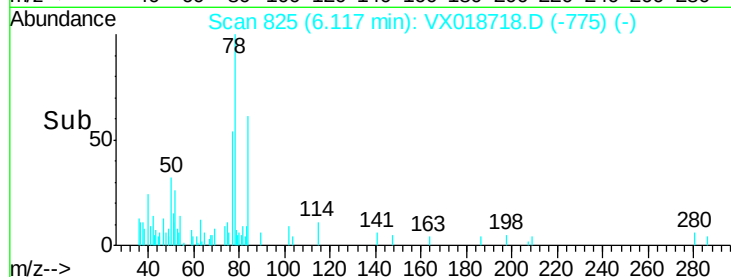
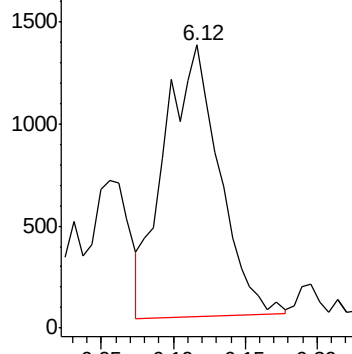
ClientSampleId :

BG3T9

Tgt Ion: 78 Resp: 3526



Abundance Ion 78.10 (77.80 to 78.80): VX0



#34

Trichloroethene

Concen: 0.112 ug/L

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX018718.D

Acq: 30 Sep 2020 23:39

Tgt Ion: 95 Resp: 1238

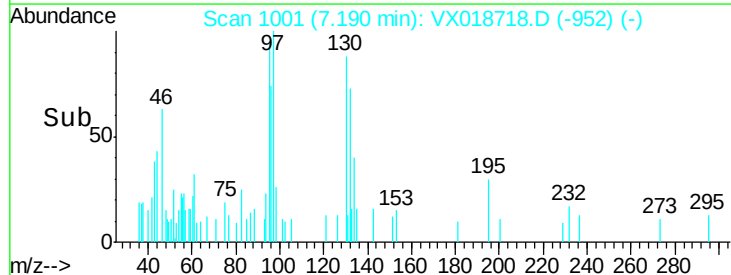
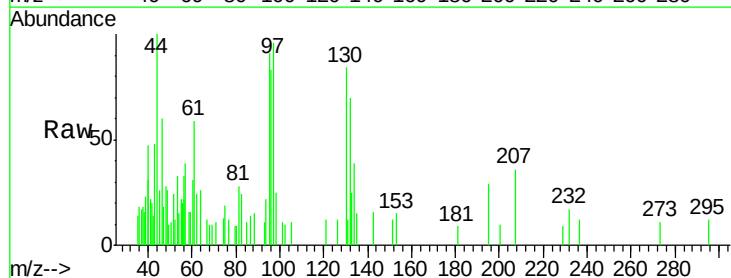
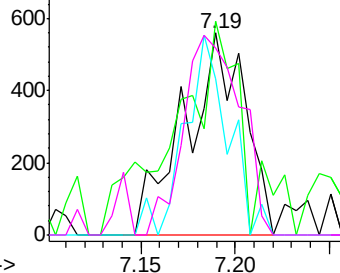
Ion	Ratio	Lower	Upper
95	100		
97	105.7	40.6	75.4#
132	77.5	64.3	119.5
130	92.7	70.6	131.0

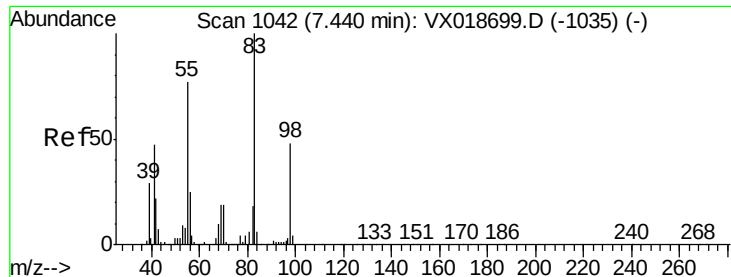
Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

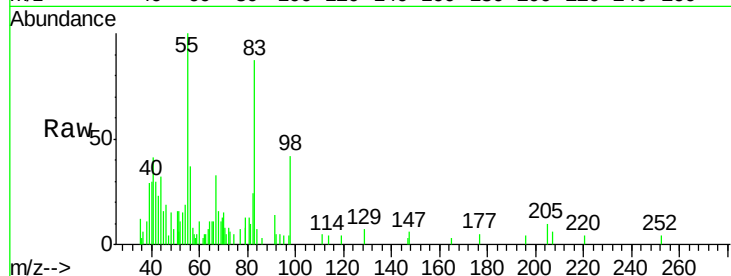




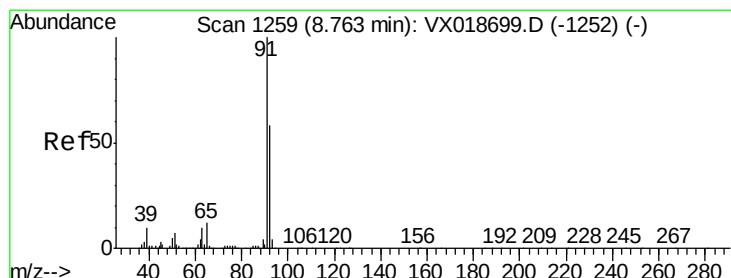
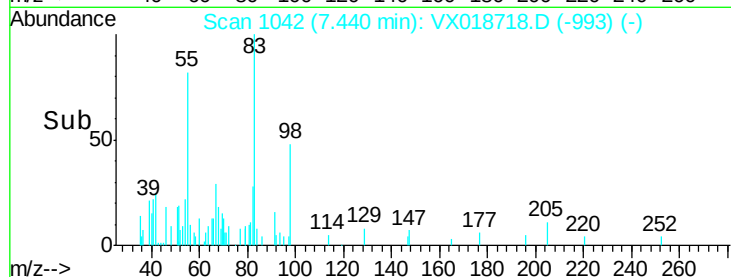
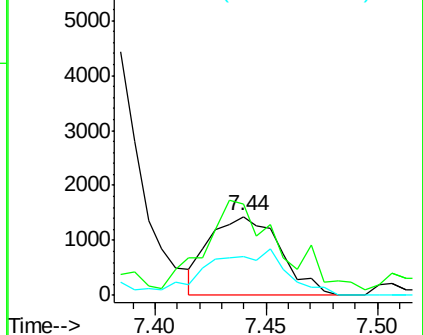
#35
Methylvlcyclohexane
Concen: 0.207 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX018718.D
Acq: 30 Sep 2020 23:39

Instrument :
MSVOA_X
ClientSampleId :
BG3T9

Tot Ion: 83 Resp: 3177
Ion Ratio Lower Upper
83 100
55 118.6 67.4 101.0#
98 63.3 41.1 61.7#

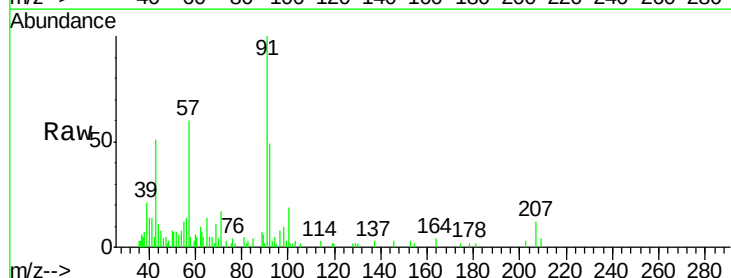


Abundance Ion 83.15 (82.85 to 83.85): VX0
Ion 55.10 (54.80 to 55.80): VX0
Ion 98.15 (97.85 to 98.85): VX0

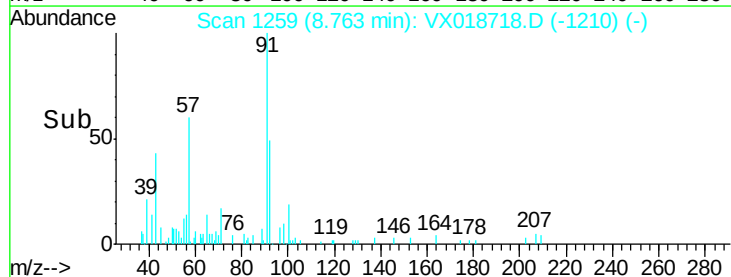
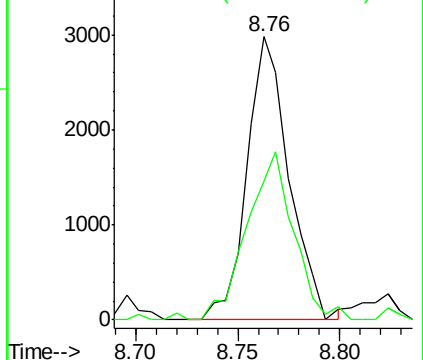


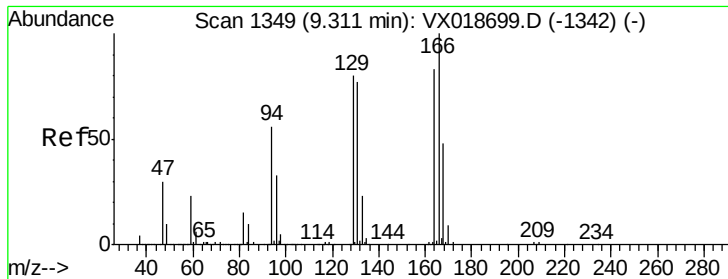
#42
Toluene
Concen: 0.104 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018718.D
Acq: 30 Sep 2020 23:39

Tgt Ion: 91 Resp: 4289
Ion Ratio Lower Upper
91 100
92 49.0 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VX0
Ion 92.15 (91.85 to 92.85): VX0





#49

Tetrachloroethene

Concen: 0.105 ug/L

RT: 9.31 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VX018718.D

Acq: 30 Sep 2020 23:39

Instrument :

MSVOA_X

ClientSampled :

BG3T9

Tot Ion:164 Resp: 914

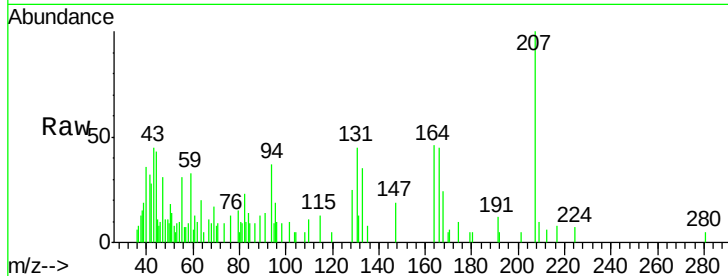
Ion Ratio Lower Upper

164 100

129 53.8 65.9 122.3#

131 126.2 61.4 114.0#

166 97.8 91.0 169.0

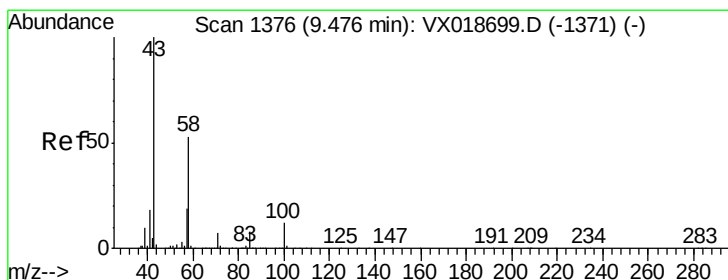
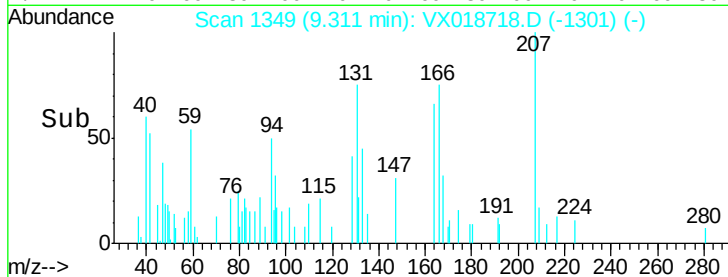
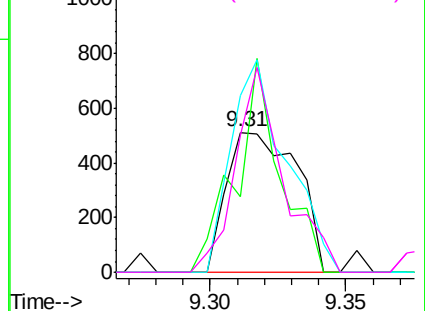


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 5.222 ug/L

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX018718.D

Acq: 30 Sep 2020 23:39

Tgt Ion: 43 Resp: 20892

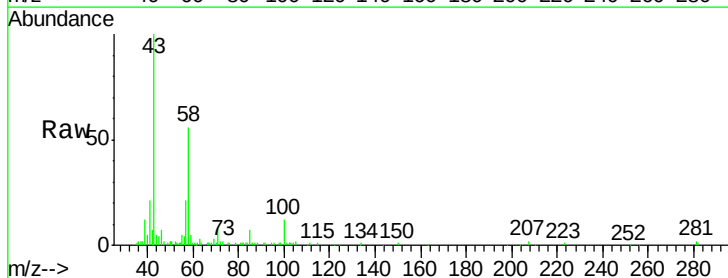
Ion Ratio Lower Upper

43 100

58 55.2 42.5 63.7

57 28.1 15.9 23.9#

100 13.3 9.4 14.0

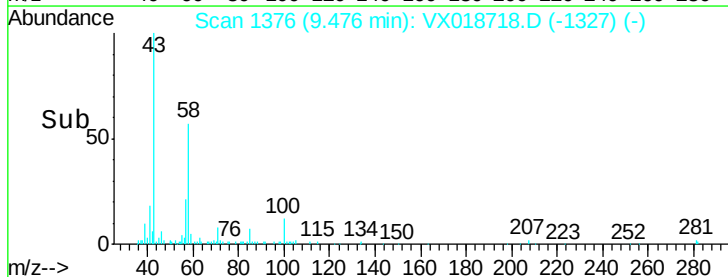
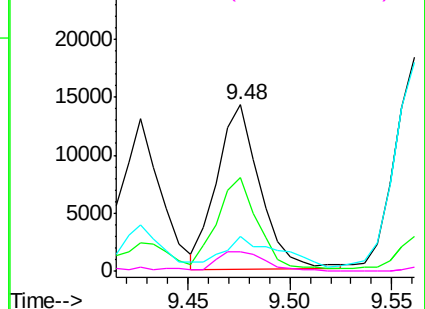


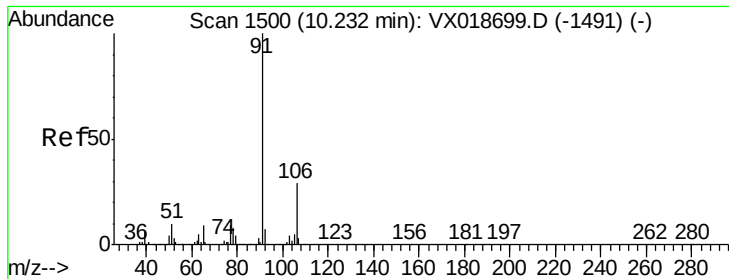
Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 57.20 (56.90 to 57.90): VX0

Ion 100.15 (99.85 to 100.85): VX0





#54

Ethylbenzene

Concen: 0.191 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX018718.D

Acq: 30 Sep 2020 23:39

Instrument :

MSVOA_X

ClientSampled :

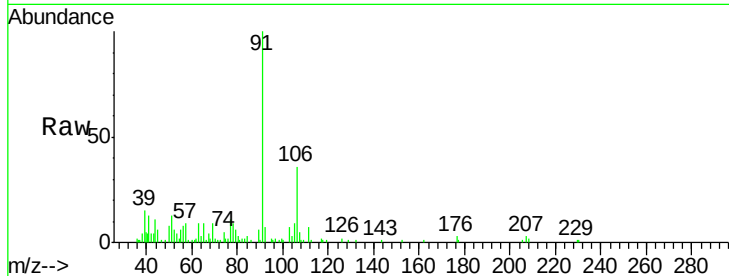
BG3T9

Tot Ion: 91 Resp: 8608

Ion Ratio Lower Upper

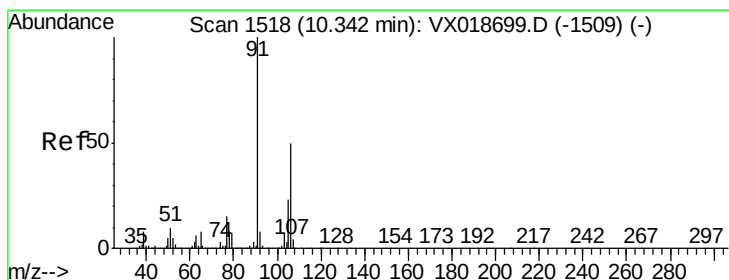
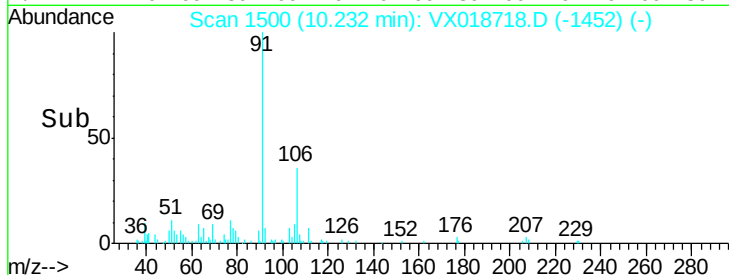
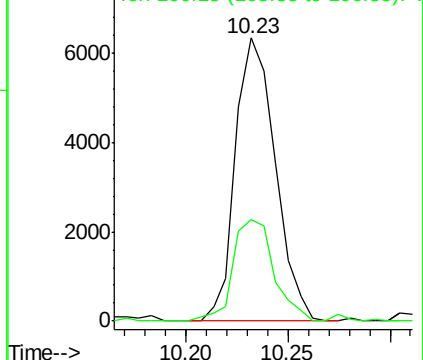
91 100

106 36.1 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: 0.123 ug/L

RT: 10.34 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VX018718.D

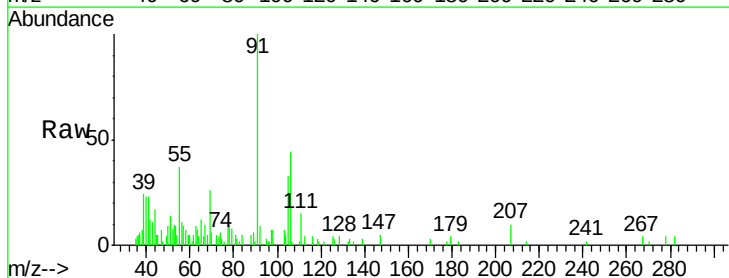
Acq: 30 Sep 2020 23:39

Tgt Ion: 106 Resp: 2107

Ion Ratio Lower Upper

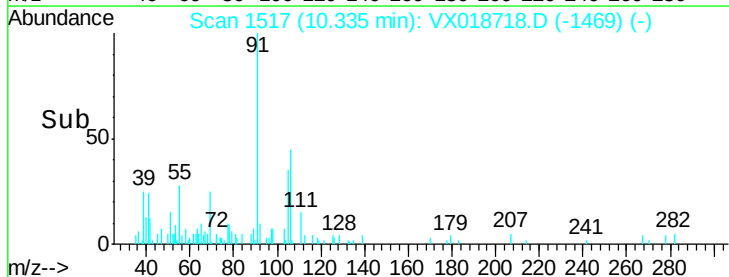
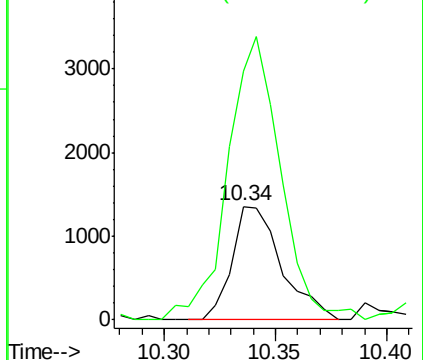
106 100

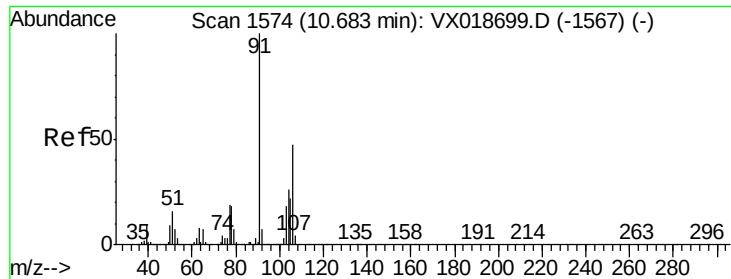
91 220.2 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0

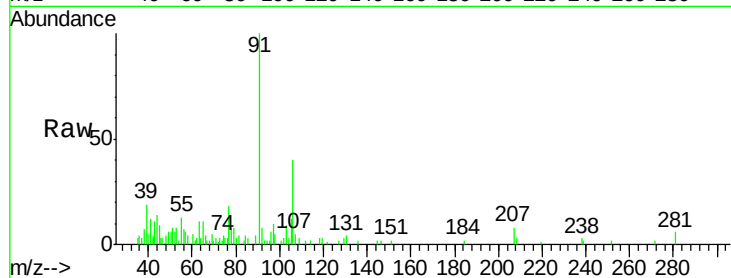




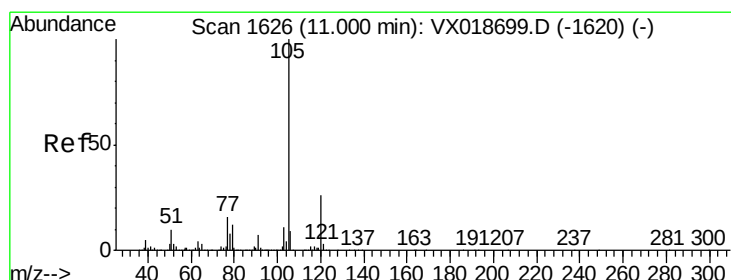
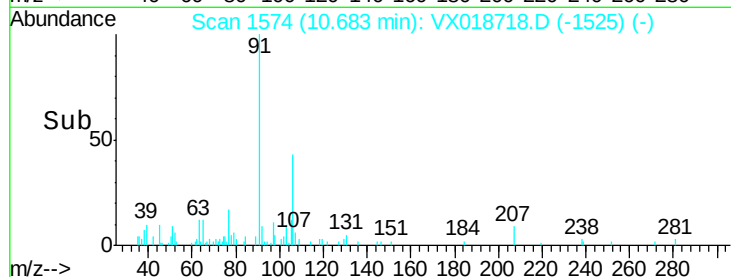
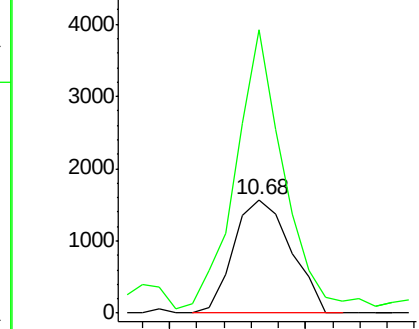
#56
o-xylene
Concen: 0.140 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018718.D
Acq: 30 Sep 2020 23:39

Instrument :
MSVOA_X
ClientSampleId :
BG3T9

Tot Ion:106 Resp: 2278
Ion Ratio Lower Upper
106 100
91 249.4 167.5 311.1

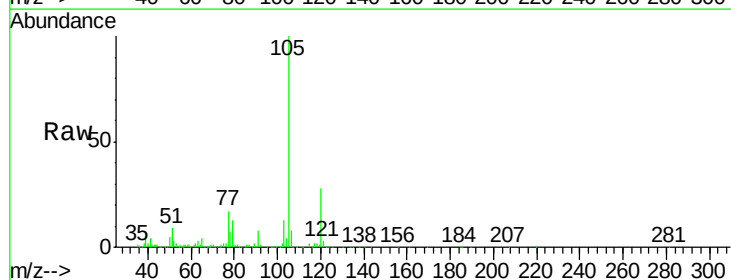


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VX0

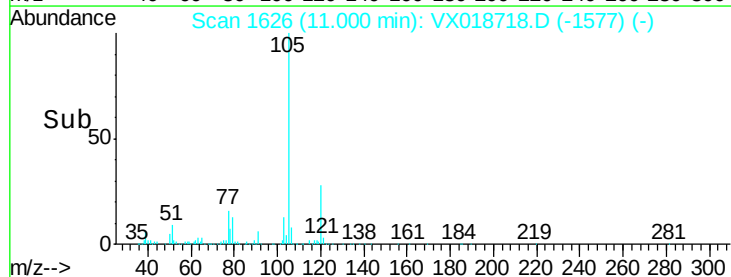
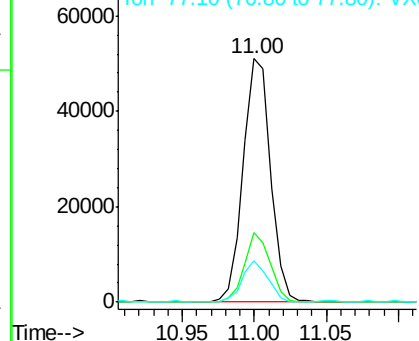


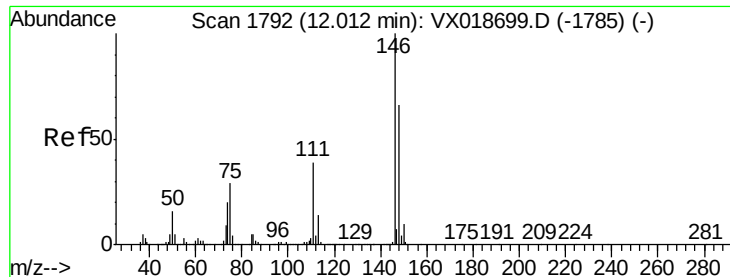
#58
Isopropylbenzene
Concen: 1.551 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX018718.D
Acq: 30 Sep 2020 23:39

Tgt Ion:105 Resp: 67559
Ion Ratio Lower Upper
105 100
120 26.8 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): VX0

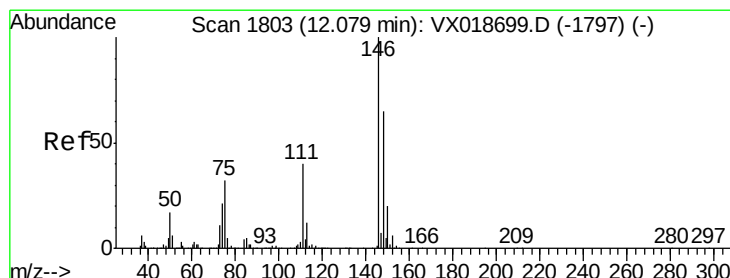
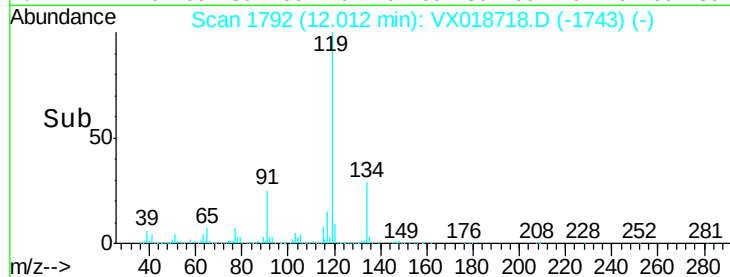
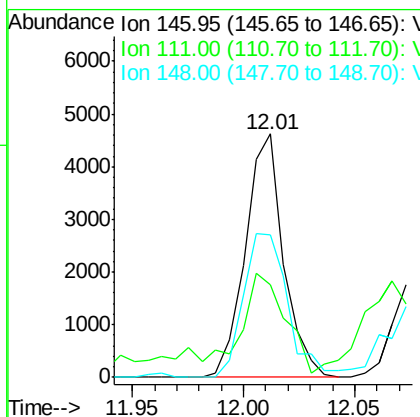
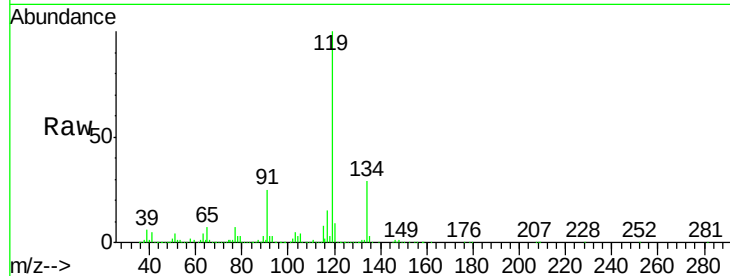




#63
 1,3-Dichlorobenzene
 Concen: 0.227 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018718.D
 Acq: 30 Sep 2020 23:39

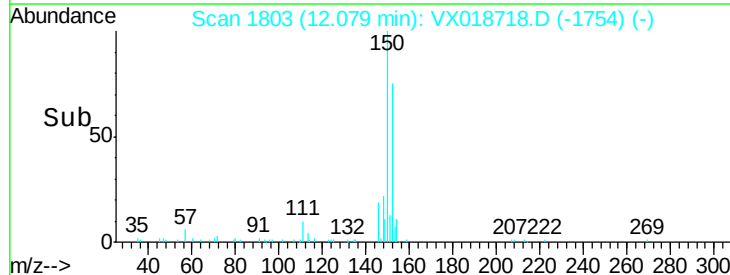
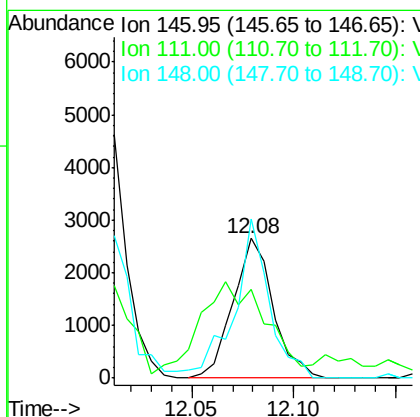
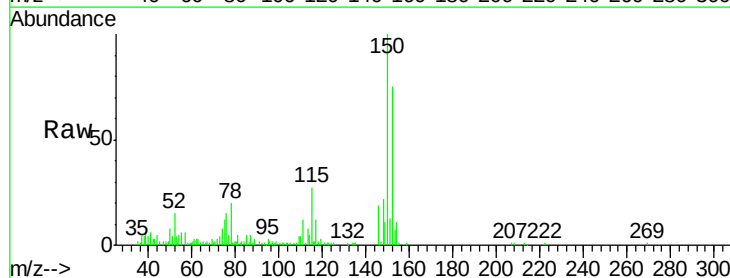
Instrument :
 MSVOA_X
 ClientSampled :
 BG3T9

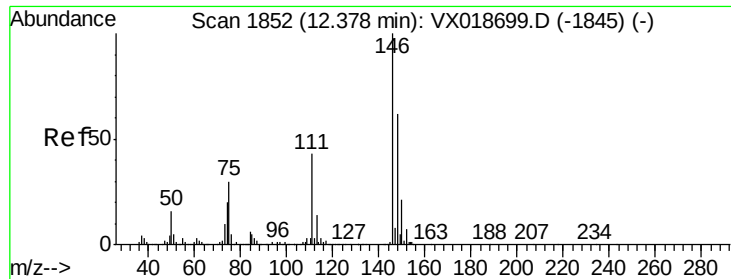
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	26.7	49.7
148	58.4	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 0.147 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018718.D
 Acq: 30 Sep 2020 23:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	63.1	28.8	53.4#
148	113.7	44.9	83.3#

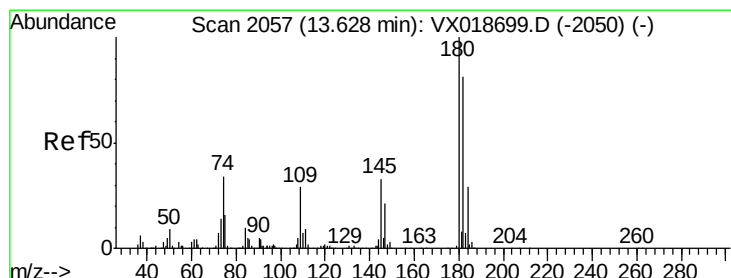
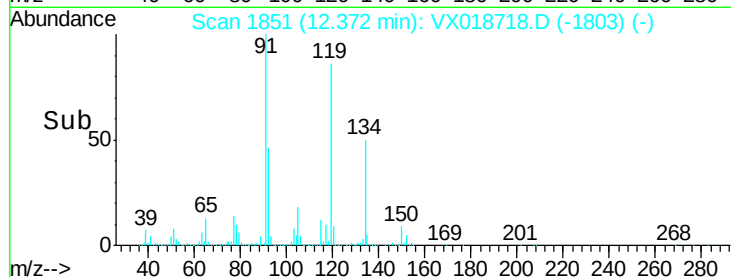
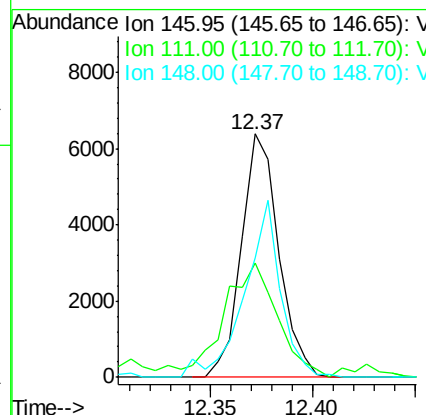
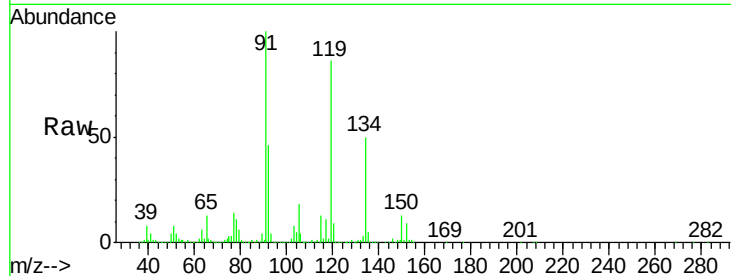




#66
 1,2-Dichlorobenzene
 Concen: 0.356 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX018718.D
 Acq: 30 Sep 2020 23:39

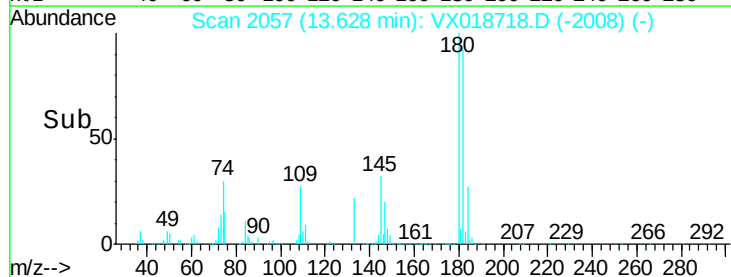
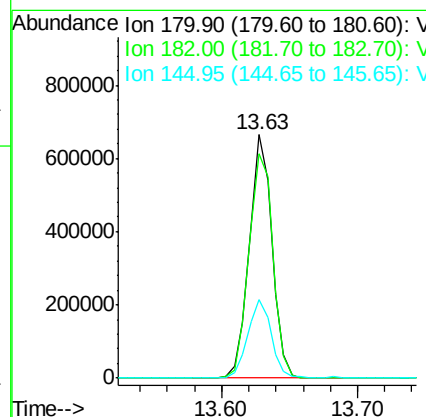
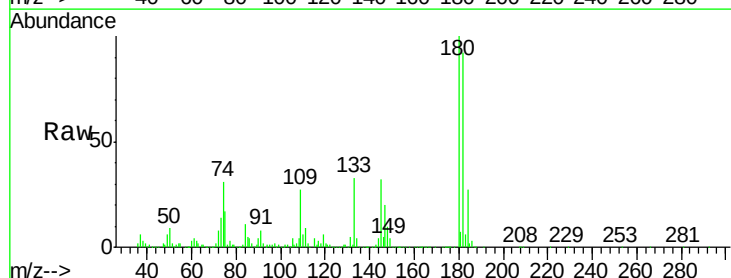
Instrument :
 MSVOA_X
 ClientSampled :
 BG3T9

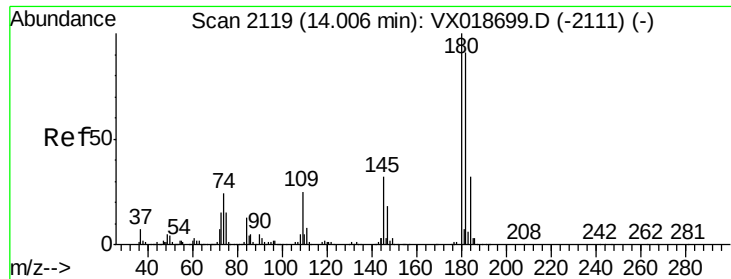
Tot Ion:146 Resp: 8089
 Ion Ratio Lower Upper
 146 100
 111 47.2 33.6 50.4
 148 49.2 53.4 80.2#



#69
 1,2,4-trichlorobenzene
 Concen: 51.889 ug/L
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX018718.D
 Acq: 30 Sep 2020 23:39

Tgt Ion:180 Resp: 777809
 Ion Ratio Lower Upper
 180 100
 182 97.3 74.6 112.0
 145 33.2 25.0 37.6





#71
 1,2,3-Trichlorobenzene
 Concen: 15.937 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX018718.D
 Acq: 30 Sep 2020 23:39

Instrument :
 MSVOA_X
 ClientSampleId :
 BG3T9

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	77.7	116.5
145	37.1	28.6	42.8

