

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092520\
 Data File : VW016647.D
 Acq On : 24 Sep 2020 18:00
 Operator : SY/VA
 Sample : L4109-12
 Misc : 6.21G/10ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X2

Quant Time: Sep 28 11:00:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 07:55:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	657711	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	531458	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187303	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	133218	20.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.72%
7) Chloroethane-d5	2.91	69	120308	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.56%
10) 1,1-Dichloroethene-d2	4.03	63	227407	15.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.92%
20) 2-Butanone-d5	7.09	46	75132	43.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.58%
24) Chloroform-d	7.65	84	340755	24.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	8.31	65	180980	25.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.48%
29) Benzene-d6	8.28	84	652669	27.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.52%
33) 1,2-Dichloropropane-d6	9.28	67	185991	28.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.20%
37) Toluene-d8	10.33	98	589812	25.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.60%
38) trans-1,3-Dichloropropene-	10.58	79	82573	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.44%
39) 2-Hexanone-d5	10.93	63	66097	56.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133925	24.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	156480	26.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
13) Acetone	4.13	43	53745	39.529 ug/L	89
14) Carbon disulfide	4.40	76	29544	1.175 ug/L	98
16) Methylene chloride	4.93	84	37520	3.699 ug/L #	1
22) cis-1,2-Dichloroethene	7.17	96	1956	0.219 ug/L	90
30) Cyclohexane	7.96	56	243751	20.988 ug/L	93
31) 1,1,1-Trichloroethane	7.88	97	10729	0.864 ug/L	97
36) Methylcyclohexane	9.34	83	37054	2.651 ug/L #	59
44) Toluene	10.39	91	400223	12.495 ug/L	100
47) Tetrachloroethene	10.87	164	8089	1.087 ug/L	93
53) Ethylbenzene	11.73	91	486387	13.375 ug/L	95
54) m,p-Xylene	11.83	106	688091	48.322 ug/L	97
55) o-xylene	12.17	106	253806	18.605 ug/L	98
57) Isopropylbenzene	12.47	105	1560962	41.875 ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	1925470	267.142 ug/L	96
70) 1,2,3-Trichlorobenzene	15.56	180	433746	69.971 ug/L #	96

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Quant Time: Sep 28 11:00:50 2020
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Quant Title : VOC Analysis
QLast Update : Fri Sep 25 07:55:30 2020
Response via : Initial Calibration

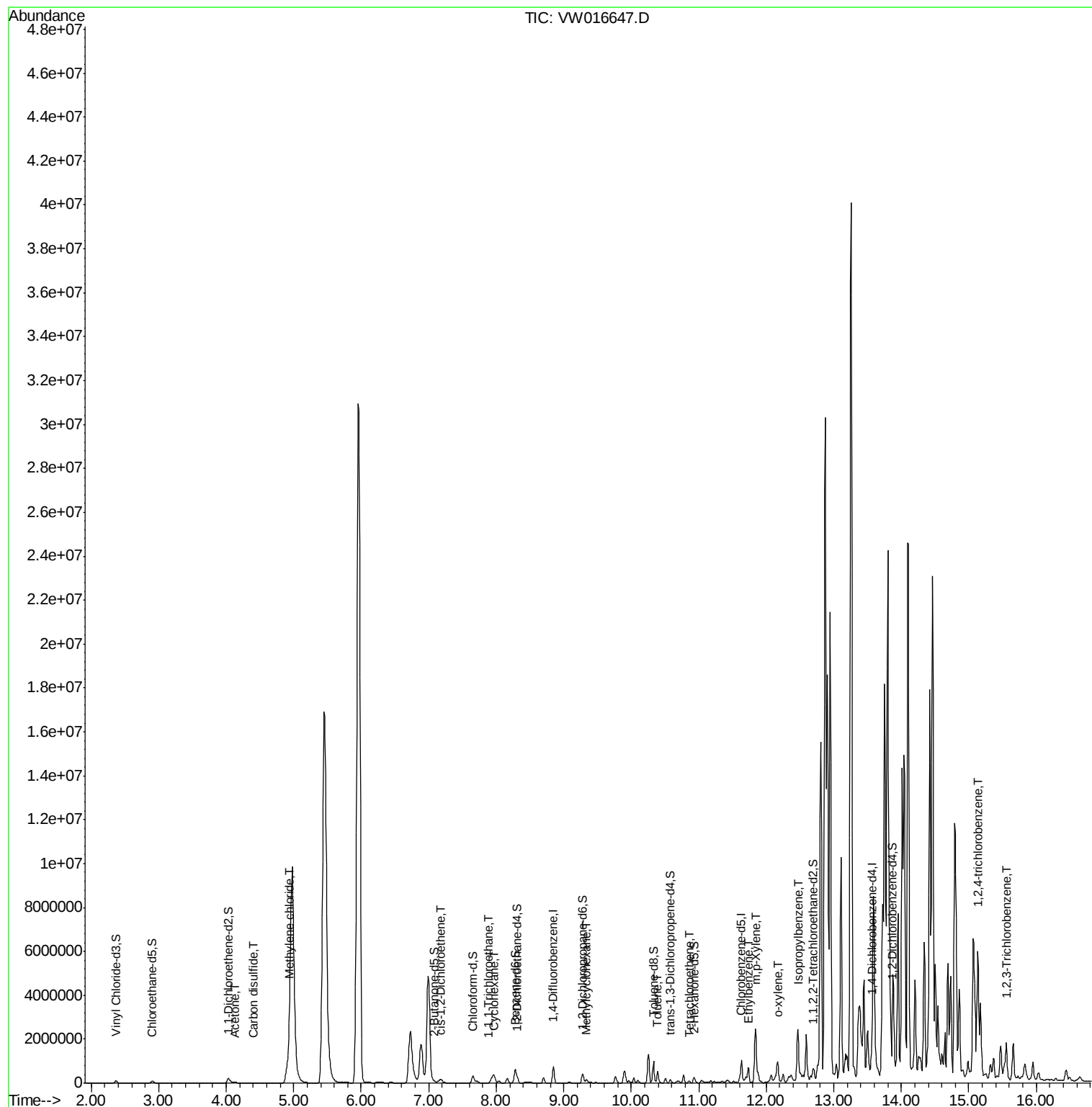
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

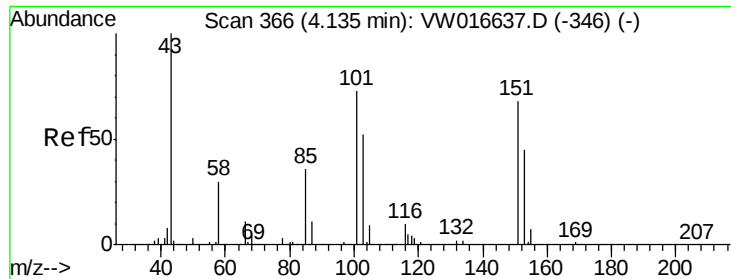
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#13

Acetone

Concen: 39.529 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW016647.D

Acq: 24 Sep 2020 18:00

Instrument :

MSVOA_W

ClientSampled :

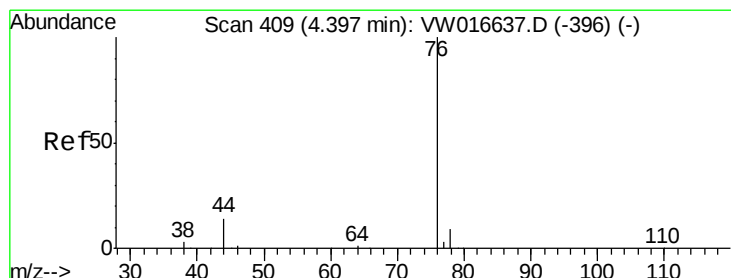
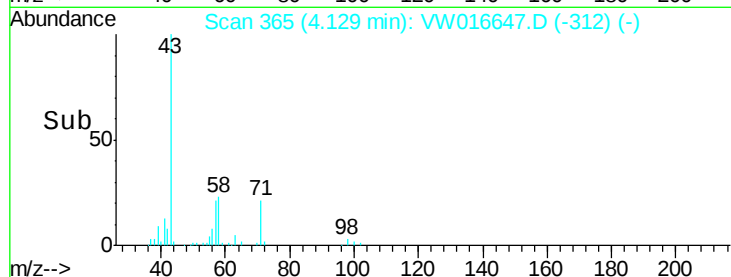
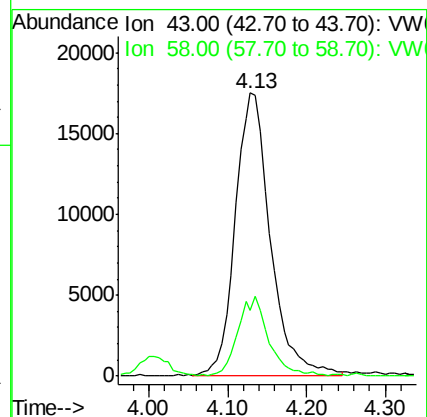
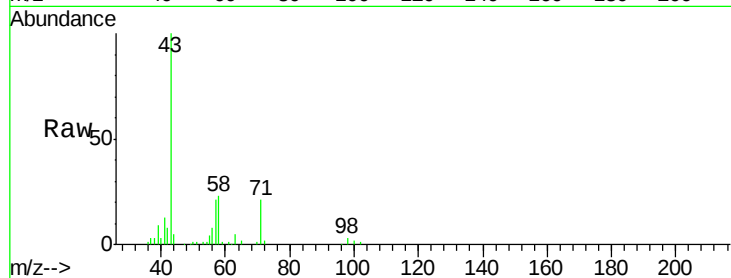
BG3X2

Tot Ion: 43 Resp: 53745

Ion Ratio Lower Upper

43 100

58 23.9 0.0 60.2



#14

Carbon disulfide

Concen: 1.175 ug/L

RT: 4.40 min Scan# 409

Delta R.T. -0.00 min

Lab File: VW016647.D

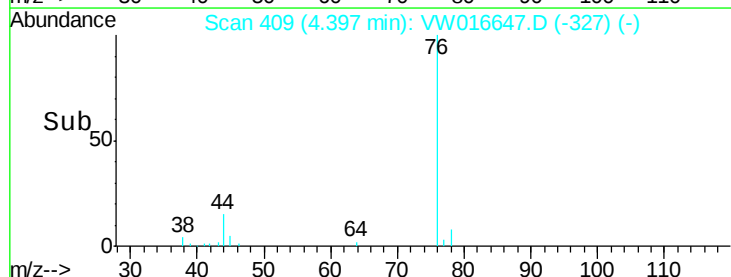
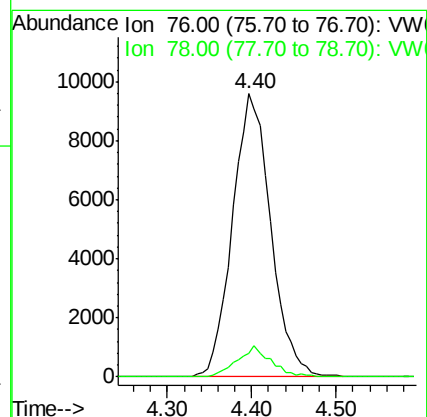
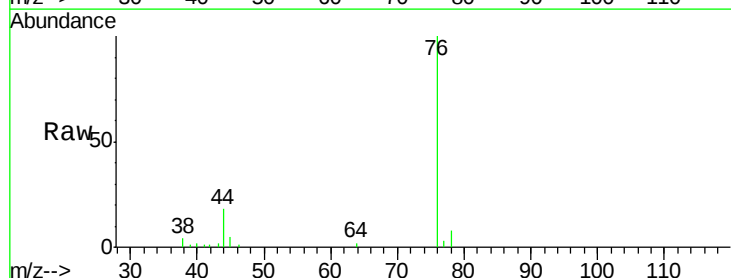
Acq: 24 Sep 2020 18:00

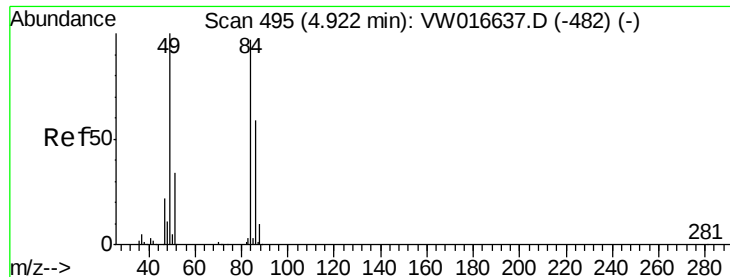
Tgt Ion: 76 Resp: 29544

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9

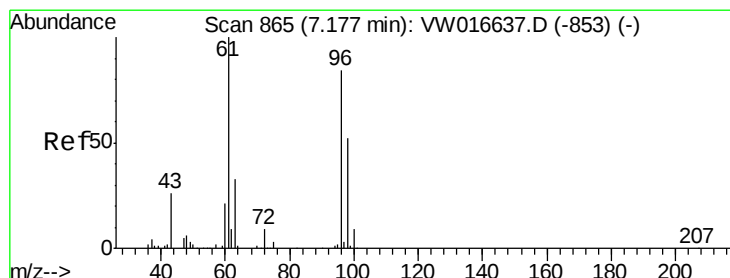
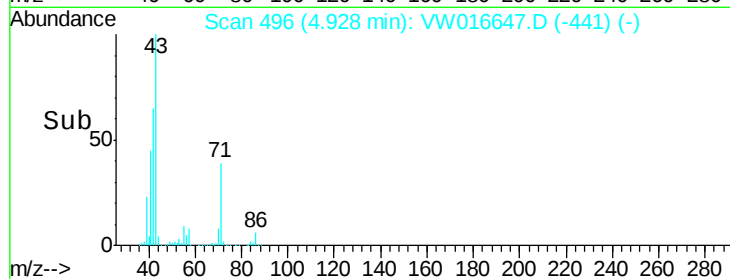
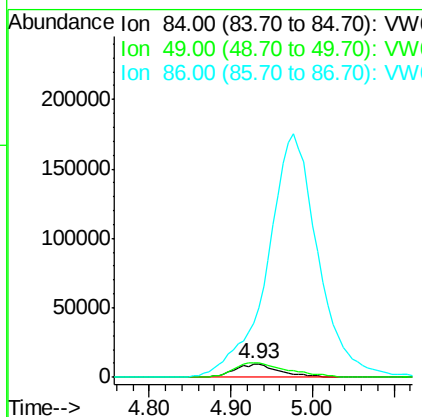
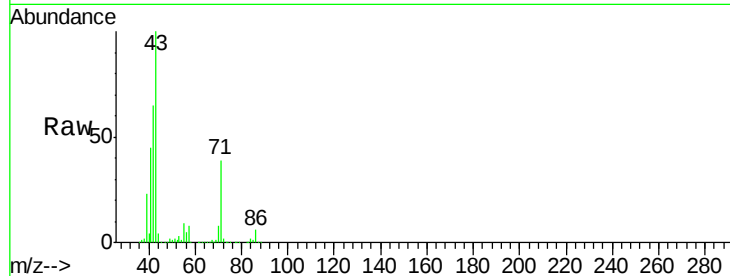




#16
Methylene chloride
Concen: 3.699 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016647.D
Acq: 24 Sep 2020 18:00

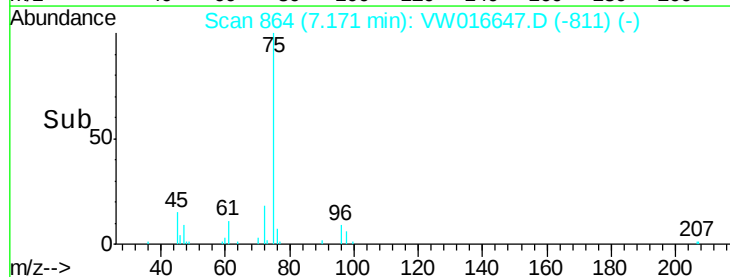
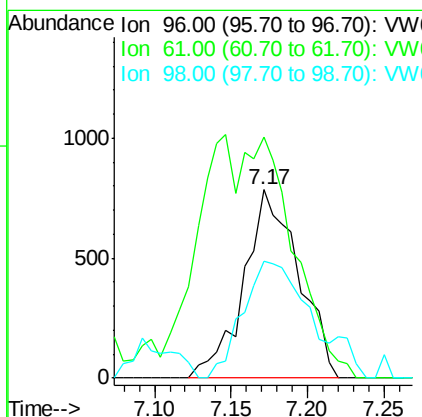
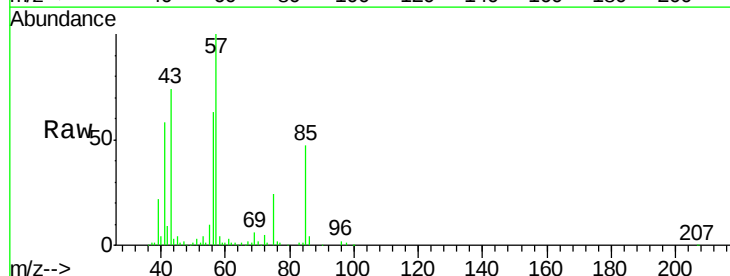
Instrument :
MSVOA_W
ClientSampleId :
BG3X2

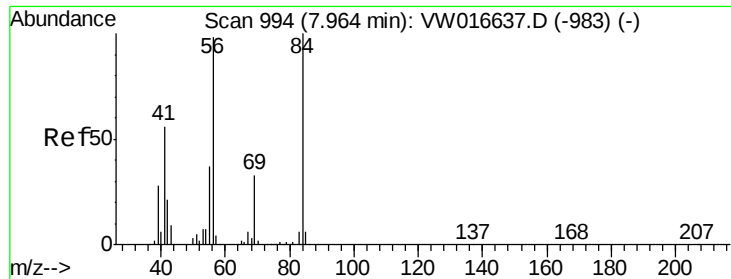
Tot Ion: 84 Resp: 37520
Ion Ratio Lower Upper
84 100
49 111.2 76.0 141.2
86 404.3 45.6 84.6#



#22
cis-1,2-Dichloroethene
Concen: 0.219 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW016647.D
Acq: 24 Sep 2020 18:00

Tgt Ion: 96 Resp: 1956
Ion Ratio Lower Upper
96 100
61 127.8 78.4 145.6
98 62.0 44.8 83.2

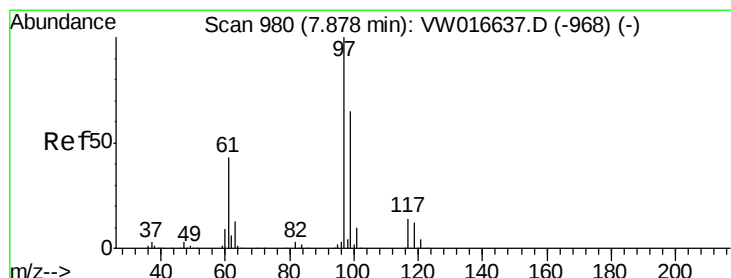
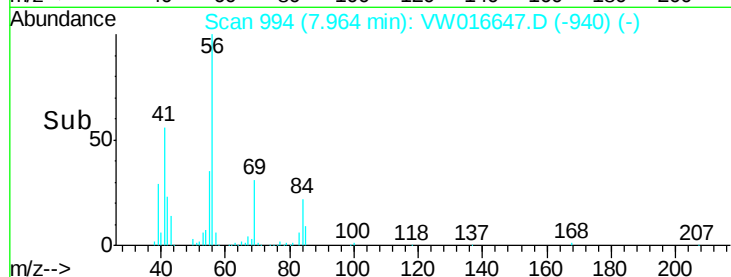
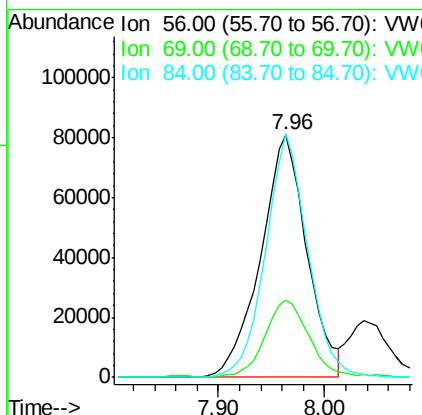
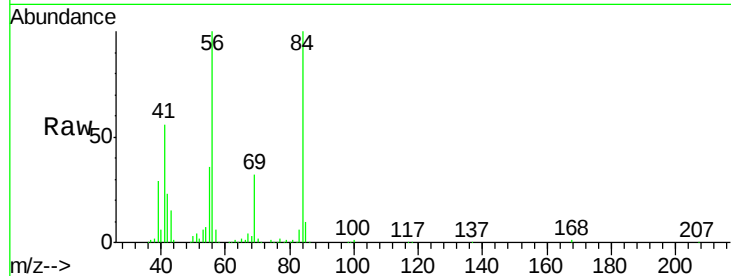




#30
Cvclohexane
Concen: 20.988 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW016647.D
Acq: 24 Sep 2020 18:00

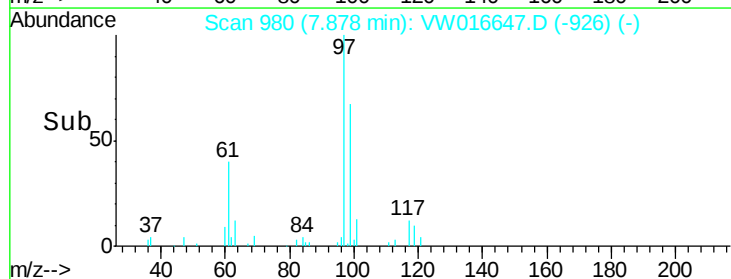
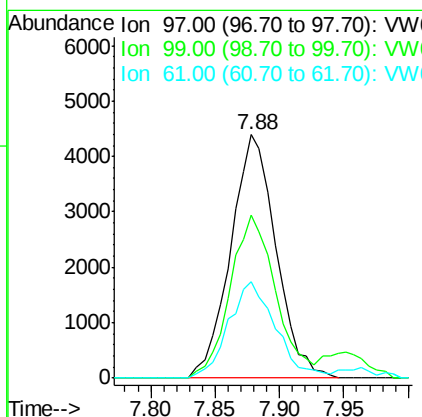
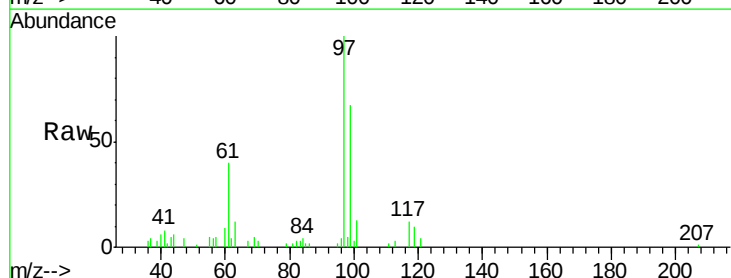
Instrument :
MSVOA_W
ClientSampled :
BG3X2

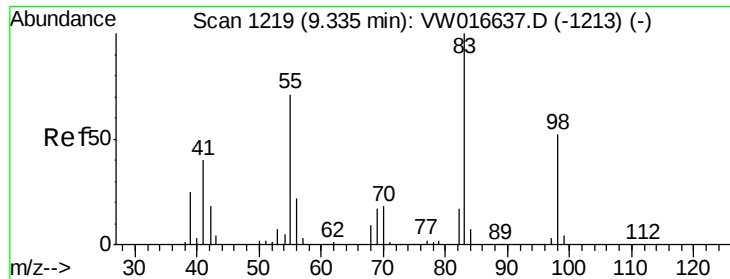
Tot Ion: 56 Resp: 243751
Ion Ratio Lower Upper
56 100
69 29.9 26.5 39.7
84 91.9 79.0 118.6



#31
1,1,1-Trichloroethane
Concen: 0.864 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016647.D
Acq: 24 Sep 2020 18:00

Tgt Ion: 97 Resp: 10729
Ion Ratio Lower Upper
97 100
99 67.5 51.8 77.6
61 41.1 33.6 50.4

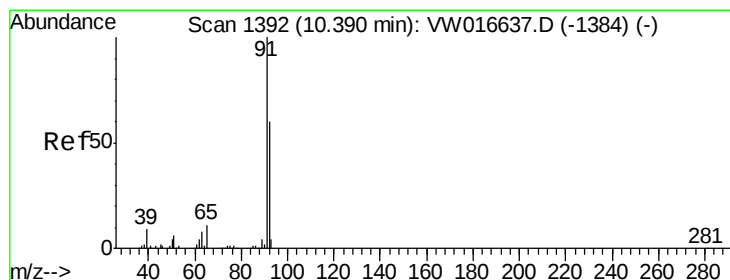
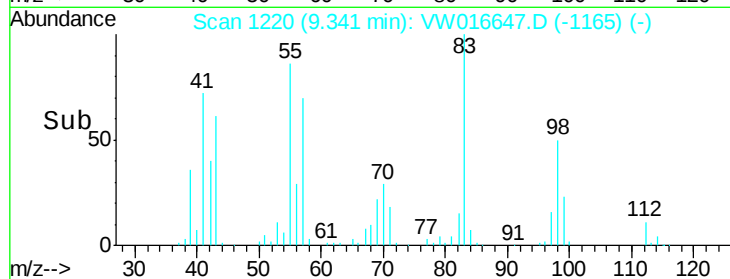
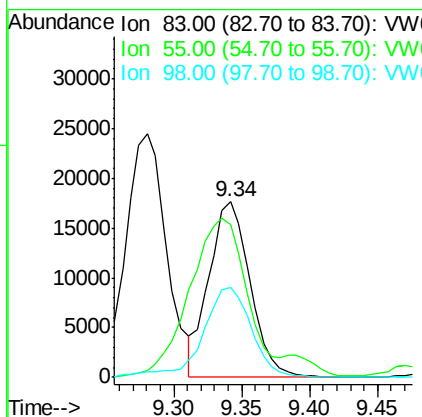
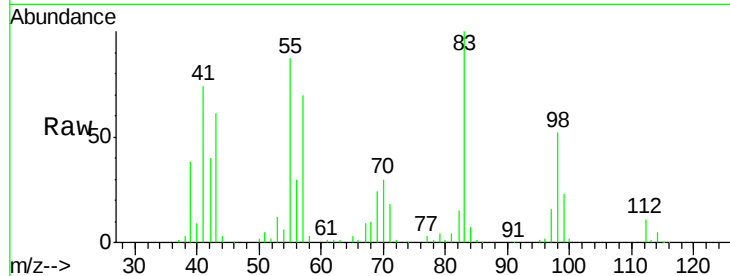




#36
Methylcyclohexane
Concen: 2.651 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW016647.D
Acq: 24 Sep 2020 18:00

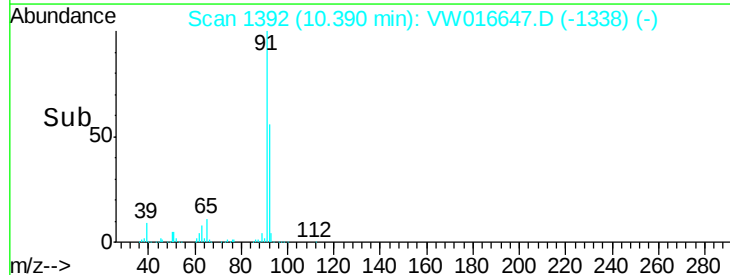
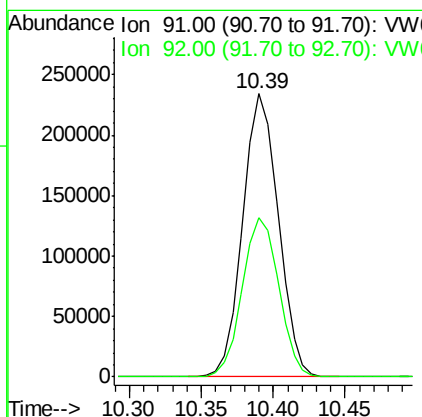
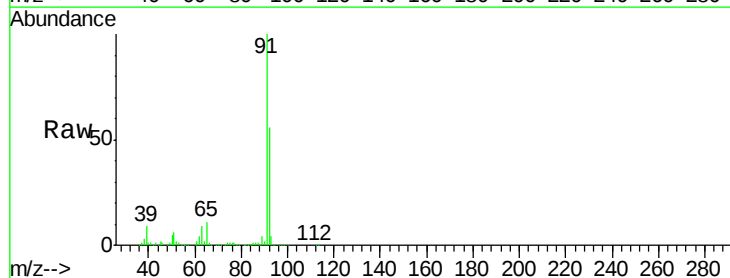
Instrument :
MSVOA_W
ClientSampled :
BG3X2

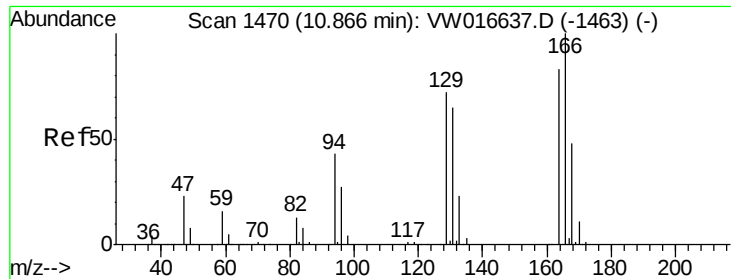
Tot Ion: 83 Resp: 37054
Ion Ratio Lower Upper
83 100
55 125.2 55.9 83.9#
98 57.2 42.1 63.1



#44
Toluene
Concen: 12.495 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016647.D
Acq: 24 Sep 2020 18:00

Tgt Ion: 91 Resp: 400223
Ion Ratio Lower Upper
91 100
92 56.4 39.6 73.6





#47

Tetrachloroethene

Concen: 1.087 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016647.D

Acq: 24 Sep 2020 18:00

Instrument :

MSVOA_W

ClientSampleId :

BG3X2

Tot Ion:164 Resp: 8089

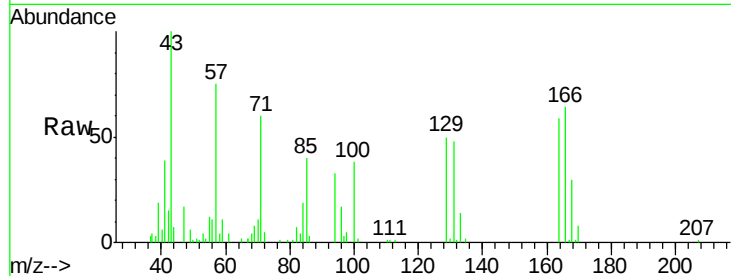
Ion Ratio Lower Upper

164 100

129 85.2 55.6 103.2

131 82.5 57.2 106.2

166 110.0 86.5 160.6

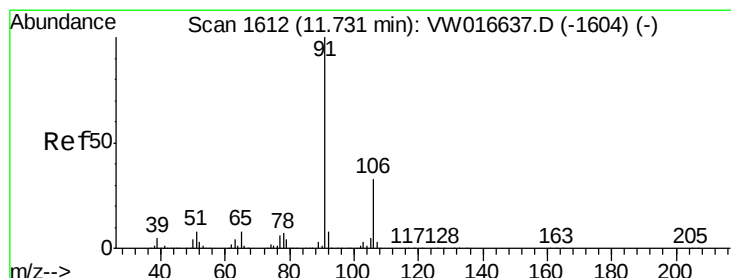
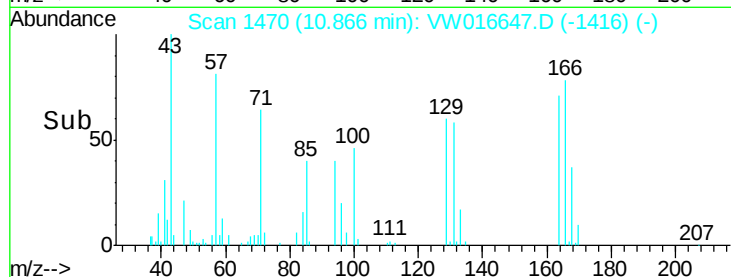
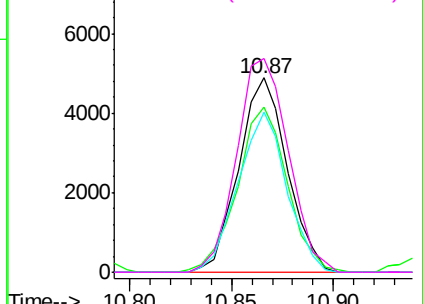


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#53

Ethylbenzene

Concen: 13.375 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016647.D

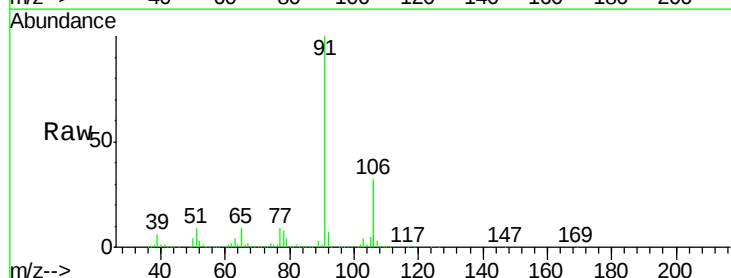
Acq: 24 Sep 2020 18:00

Tgt Ion: 91 Resp: 486387

Ion Ratio Lower Upper

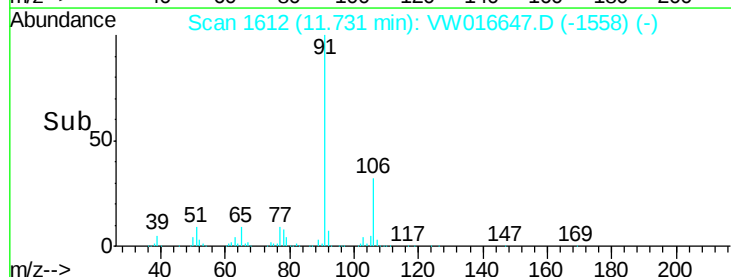
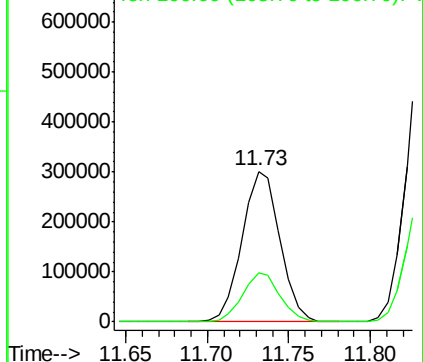
91 100

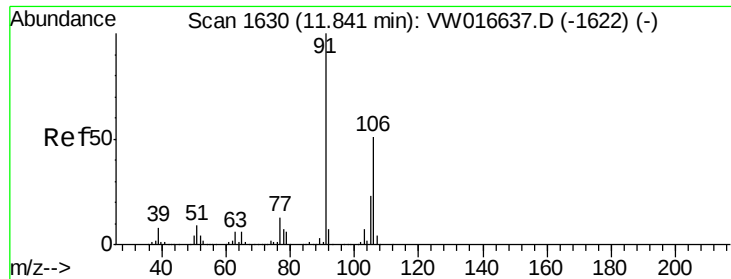
106 32.4 20.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 48.322 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW016647.D

Acq: 24 Sep 2020 18:00

Instrument :

MSVOA_W

ClientSampleId :

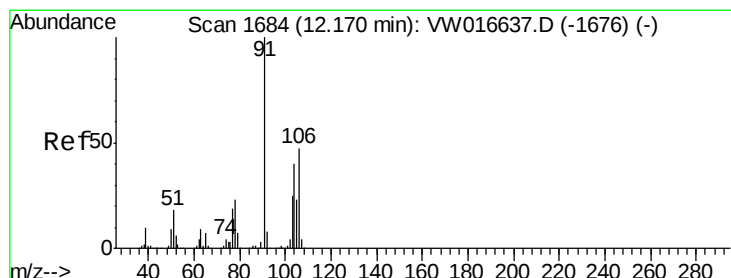
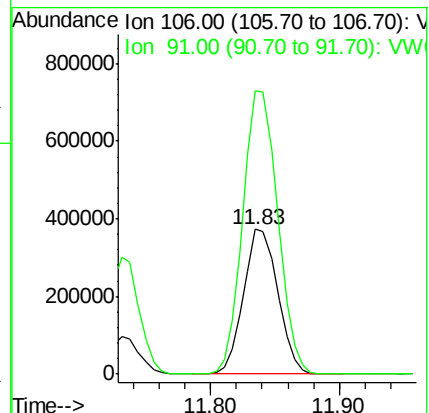
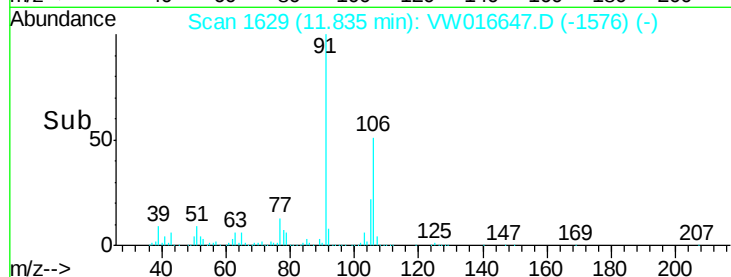
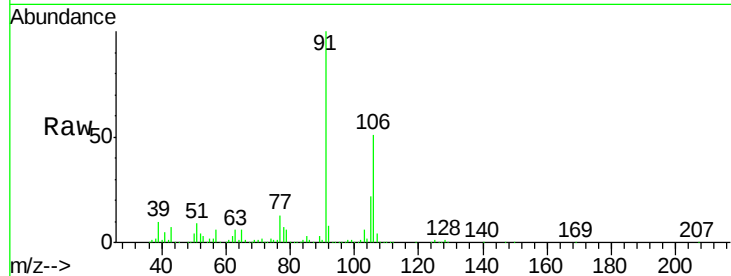
BG3X2

Tot Ion:106 Resp: 688091

Ion Ratio Lower Upper

106 100

91 195.3 139.7 259.5



#55

o-xylene

Concen: 18.605 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016647.D

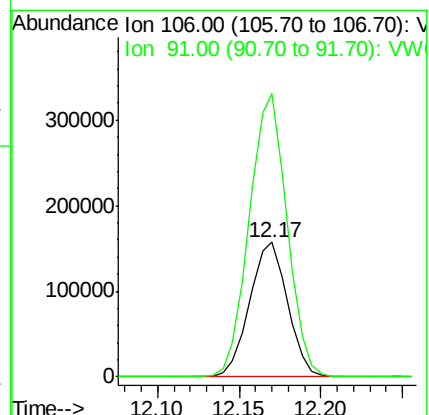
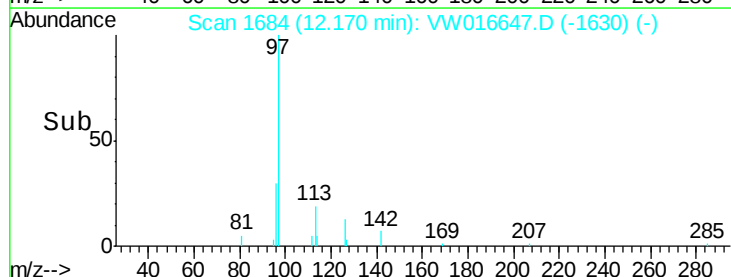
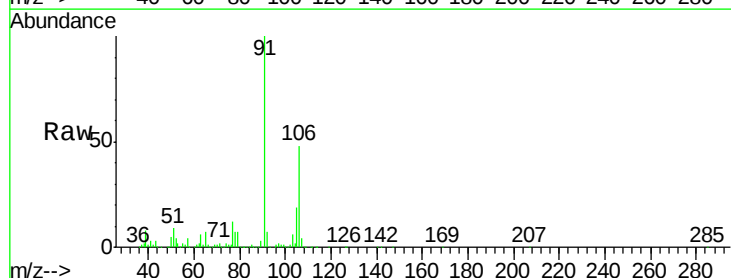
Acq: 24 Sep 2020 18:00

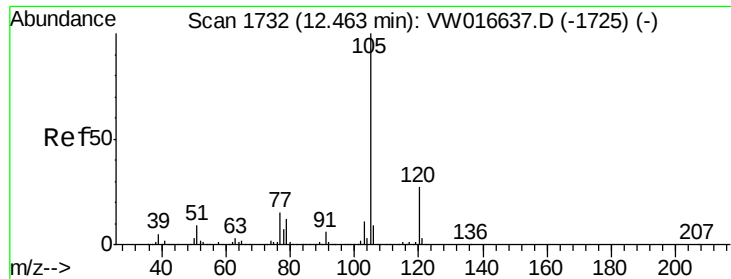
Tgt Ion:106 Resp: 253806

Ion Ratio Lower Upper

106 100

91 210.3 144.8 268.8





#57

Isopropylbenzene

Concen: 41.875 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016647.D

Acq: 24 Sep 2020 18:00

Instrument :

MSVOA_W

ClientSampleId :

BG3X2

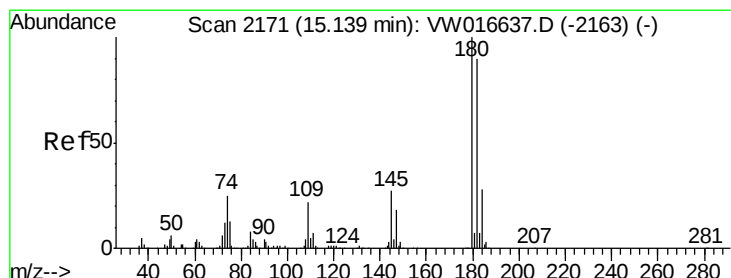
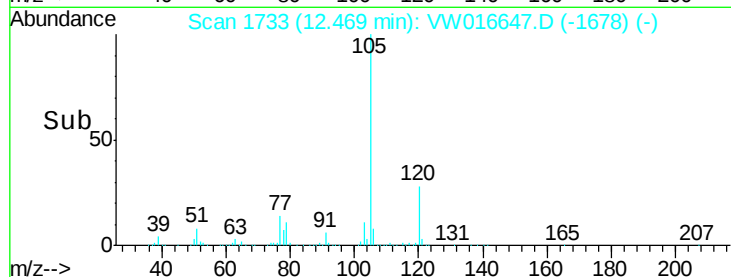
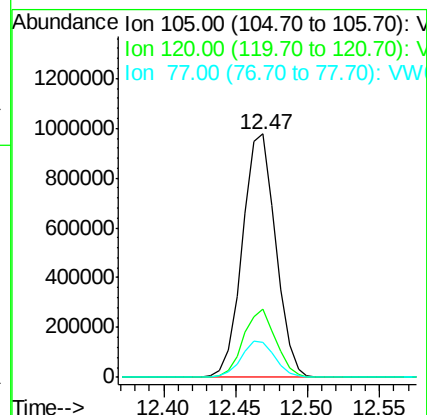
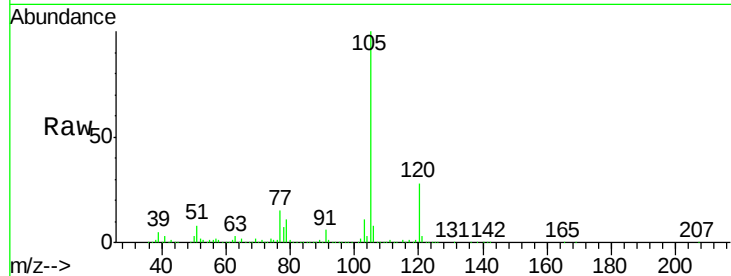
Tot Ion:105 Resp: 1560962

Ion Ratio Lower Upper

105 100

120 27.1 21.8 32.8

77 15.1 12.2 18.2



#68

1,2,4-trichlorobenzene

Concen: 267.142 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.01 min

Lab File: VW016647.D

Acq: 24 Sep 2020 18:00

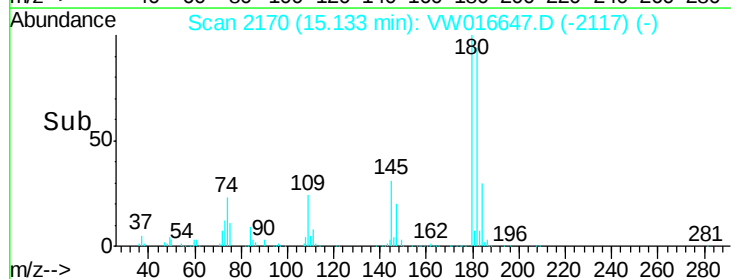
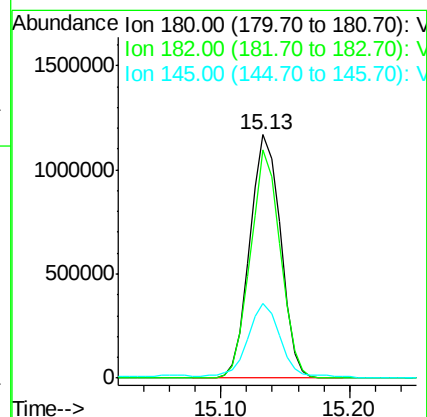
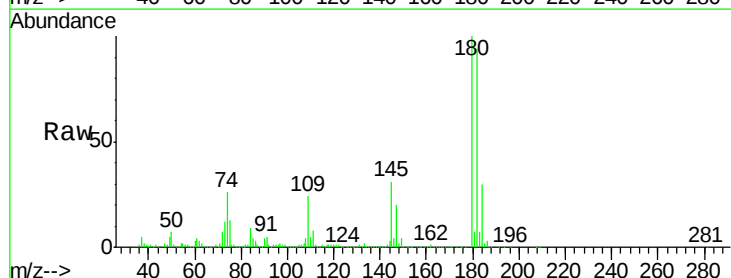
Tgt Ion:180 Resp: 1925470

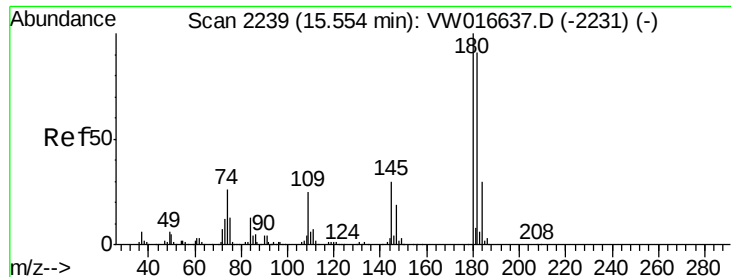
Ion Ratio Lower Upper

180 100

182 90.9 74.5 111.7

145 34.0 23.1 34.7





#70
 1,2,3-Trichlorobenzene
 Concen: 69.971 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW016647.D
 Acq: 24 Sep 2020 18:00

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3X2

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.3	114.5
145	39.4	24.1	36.1

