

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093020\
 Data File : VW016709.D
 Acq On : 30 Sep 2020 13:17
 Operator : SY/VA
 Sample : L4171-15
 Misc : 6.46G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y5

Quant Time: Oct 05 02:14:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 04:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	652298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	532130	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	200957	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	123977	19.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.56%
7) Chloroethane-d5	2.90	69	113865	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
10) 1,1-Dichloroethene-d2	4.03	63	199237	14.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.44%
20) 2-Butanone-d5	7.09	46	59118	34.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.68%
24) Chloroform-d	7.65	84	316931	23.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.92%
26) 1,2-Dichloroethane-d4	8.31	65	153398	21.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.60%
29) Benzene-d6	8.28	84	617274	25.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.44%
33) 1,2-Dichloropropane-d6	9.28	67	185743	28.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.88%
37) Toluene-d8	10.33	98	1625864	69.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	277.00%#
38) trans-1,3-Dichloropropene-	10.59	79	67274	20.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.56%
39) 2-Hexanone-d5	10.93	63	56312	47.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	114043	20.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	151618	23.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.44%

Target Compounds

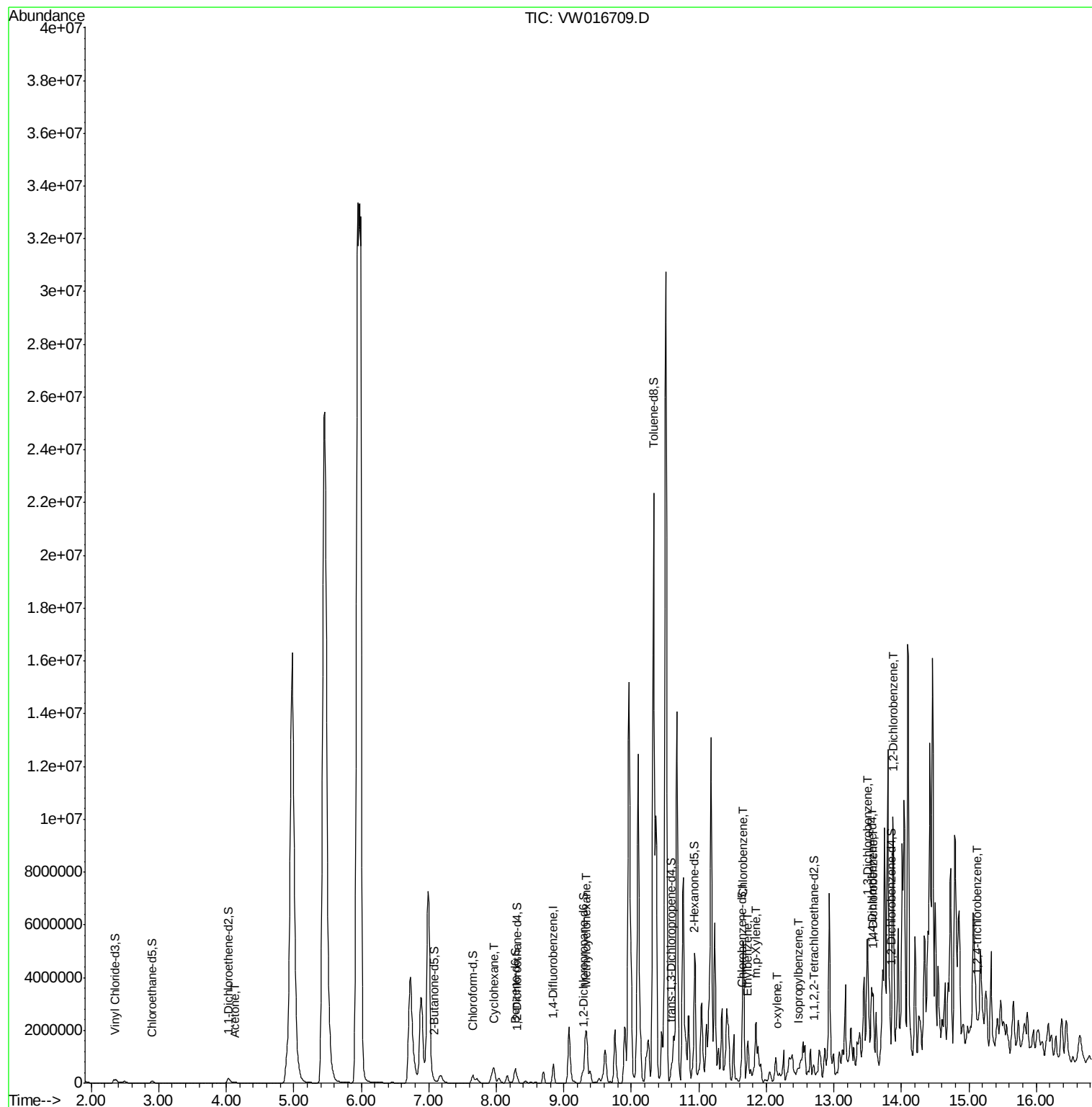
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	35909	26.630	ug/L	86
30) Cyclohexane	7.96	56	371628	31.958	ug/L	97
36) Methylcyclohexane	9.34	83	664747	47.493	ug/L #	47
52) Chlorobenzene	11.66	112	2961784	137.485	ug/L	99
53) Ethylbenzene	11.73	91	65894	1.810	ug/L	96
54) m,p-Xylene	11.84	106	36511	2.561	ug/L	99
55) o-xylene	12.17	106	6365	0.466	ug/L	97
57) Isopropylbenzene	12.47	105	108699	2.912	ug/L #	92
63) 1,3-Dichlorobenzene	13.50	146	1097730	83.982	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	1040998	81.324	ug/L	90
65) 1,2-Dichlorobenzene	13.87	146	52699	4.512	ug/L #	17
68) 1,2,4-trichlorobenzene	15.13	180	128888	16.667	ug/L #	1

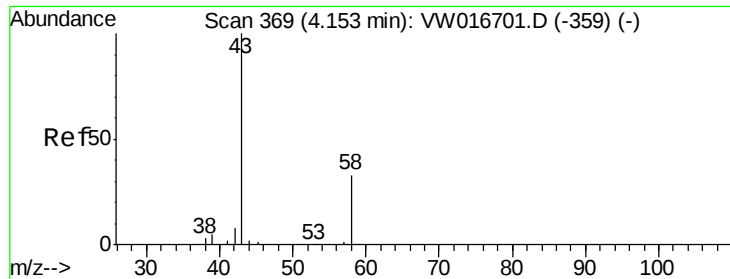
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 03 04:48:41 2020
Response via : Initial Calibration





#13

Acetone

Concen: 26.630 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

Lab File: VW016709.D

Acq: 30 Sep 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

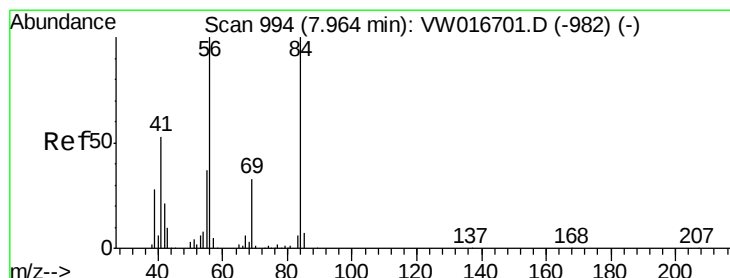
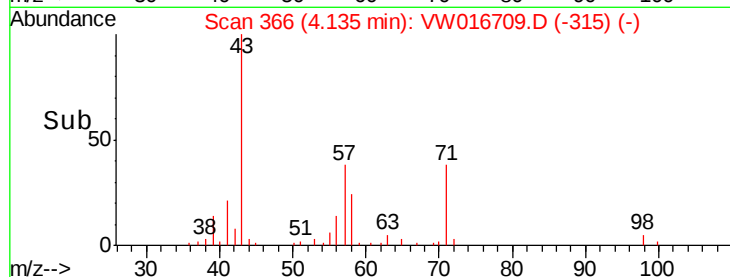
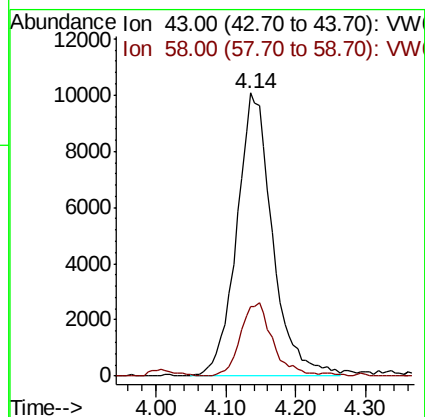
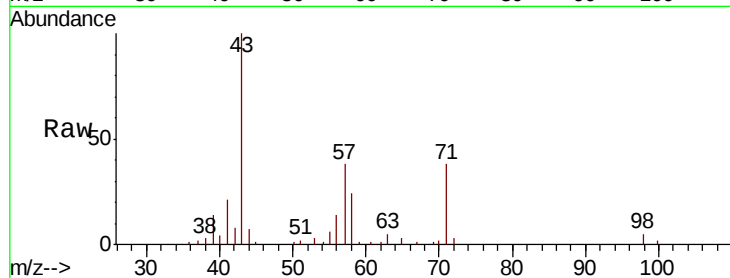
BG3Y5

Tot Ion: 43 Resp: 35909

Ion Ratio Lower Upper

43 100

58 22.8 0.0 60.2



#30

Cyclohexane

Concen: 31.958 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016709.D

Acq: 30 Sep 2020 13:17

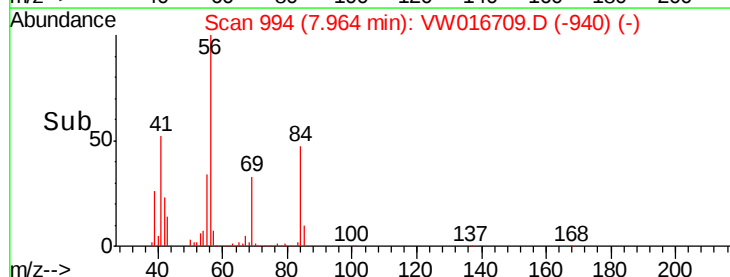
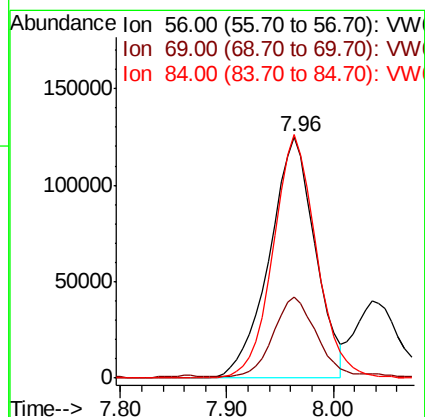
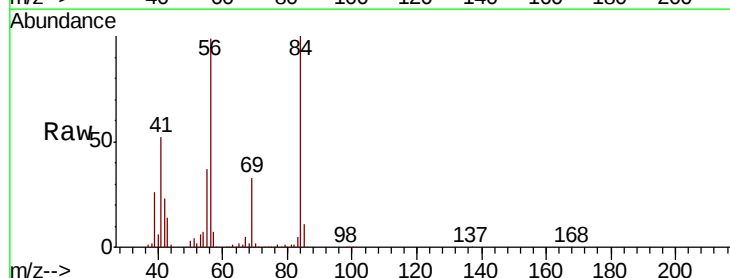
Tgt Ion: 56 Resp: 371628

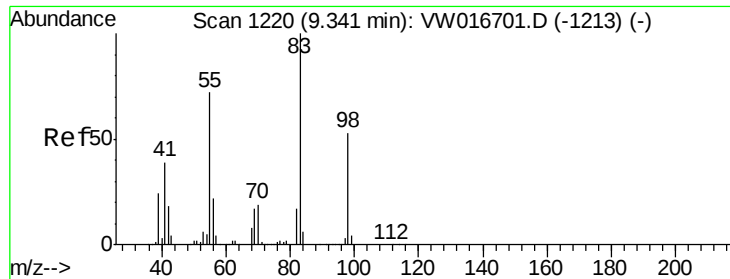
Ion Ratio Lower Upper

56 100

69 32.8 26.5 39.7

84 95.6 79.0 118.6

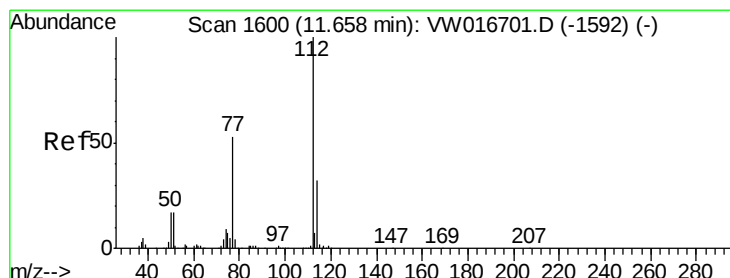
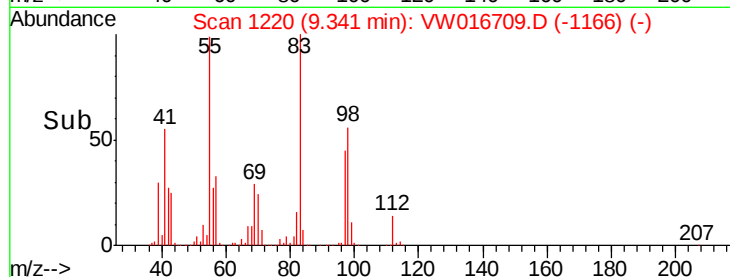
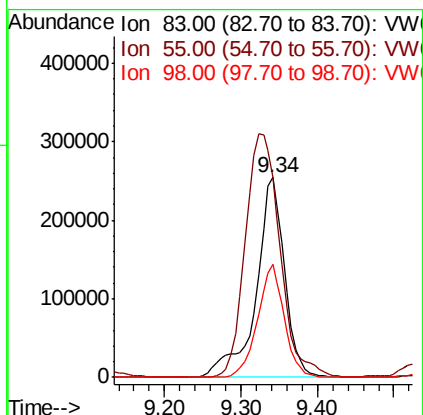
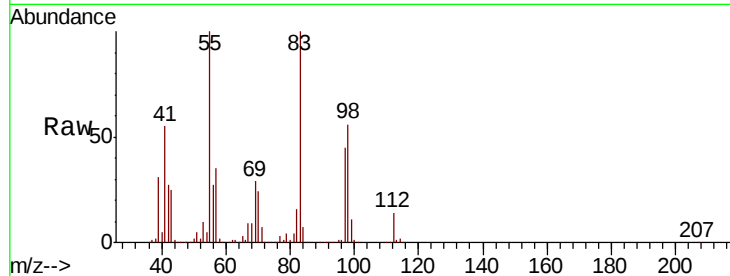




#36
Methvlcvclohexane
Concen: 47.493 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW016709.D
Acq: 30 Sep 2020 13:17

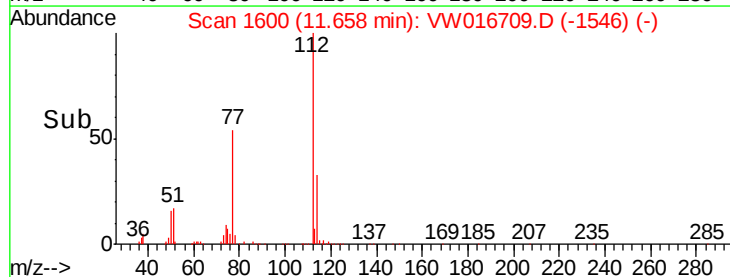
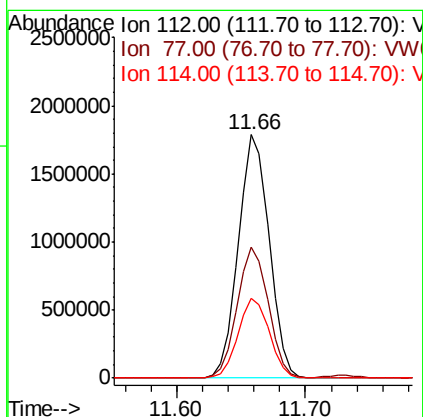
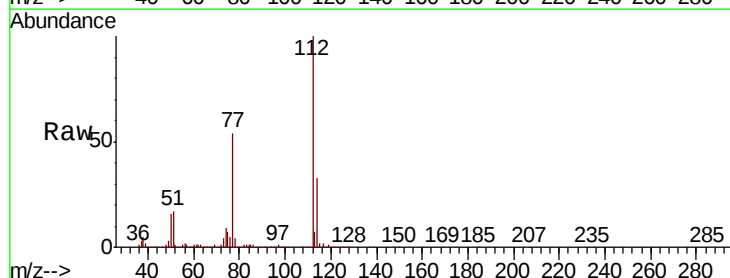
Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

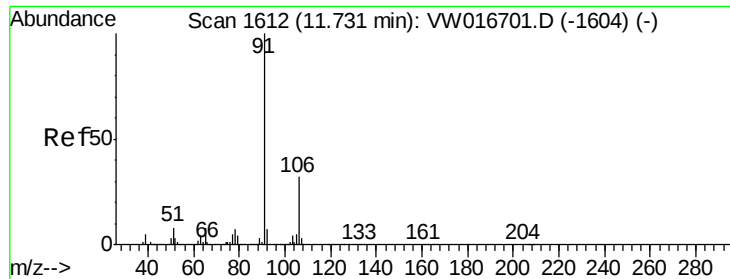
Tot Ion: 83 Resp: 664747
Ion Ratio Lower Upper
83 100
55 146.3 55.9 83.9#
98 52.4 42.1 63.1



#52
Chlorobenzene
Concen: 137.485 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016709.D
Acq: 30 Sep 2020 13:17

Tgt Ion: 112 Resp: 2961784
Ion Ratio Lower Upper
112 100
77 53.9 43.1 64.7
114 32.9 22.3 41.3





#53

Ethylbenzene

Concen: 1.810 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016709.D

Acq: 30 Sep 2020 13:17

Instrument :

MSVOA_W

ClientSampleId :

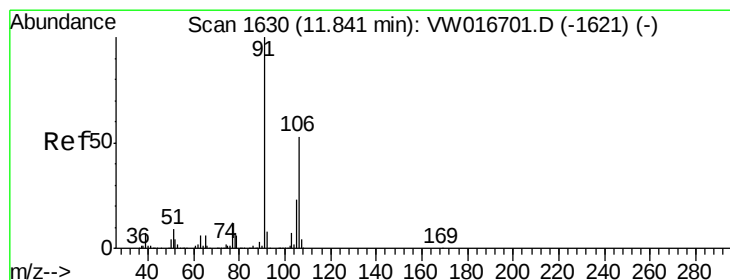
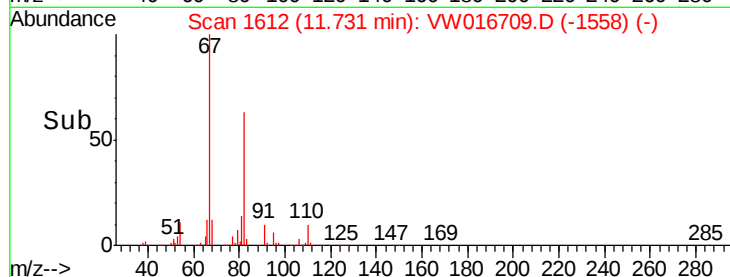
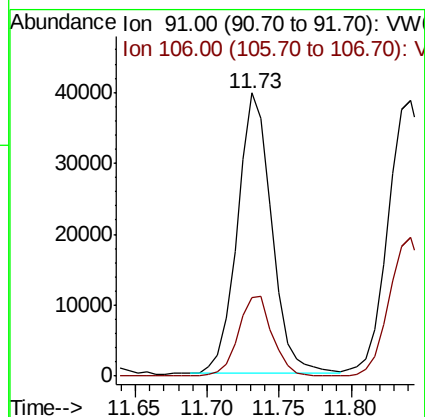
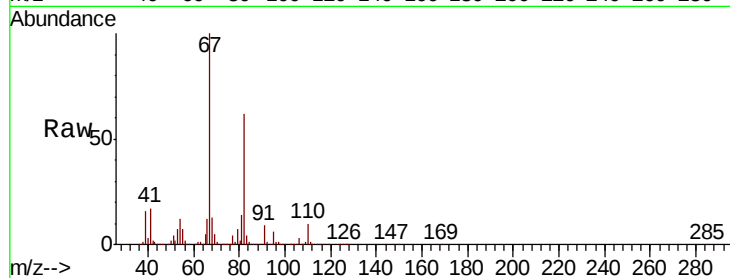
BG3Y5

Tot Ion: 91 Resp: 65894

Ion Ratio Lower Upper

91 100

106 27.6 20.7 38.5



#54

m,p-Xylene

Concen: 2.561 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016709.D

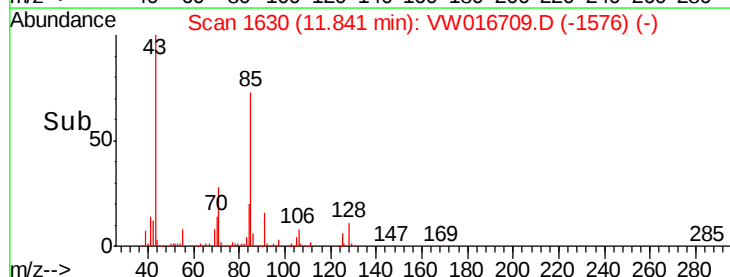
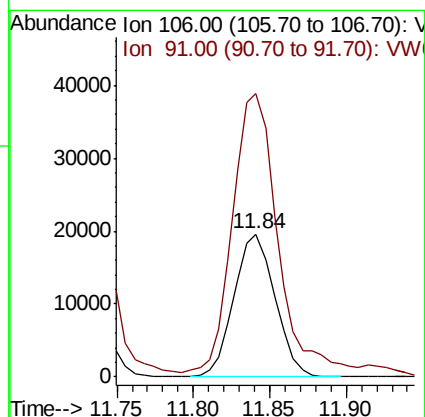
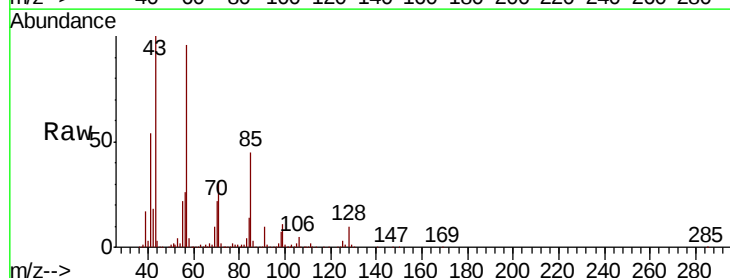
Acq: 30 Sep 2020 13:17

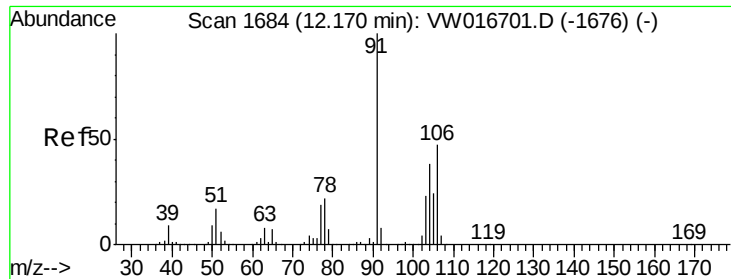
Tgt Ion:106 Resp: 36511

Ion Ratio Lower Upper

106 100

91 198.2 139.7 259.5

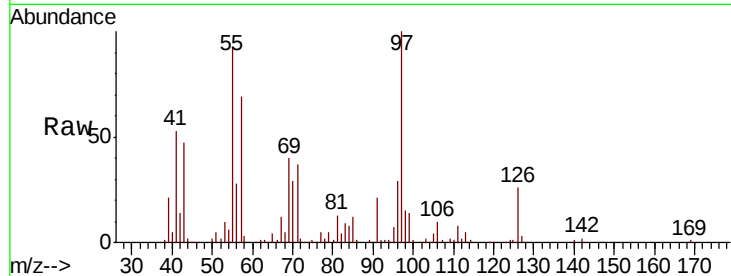




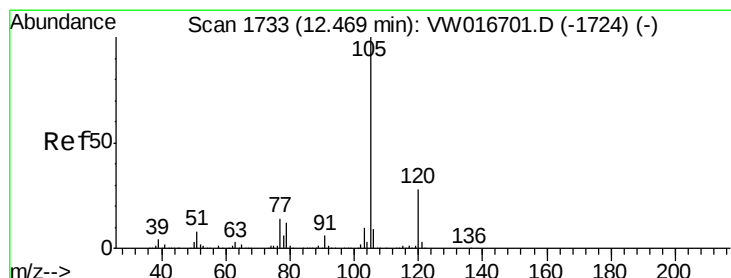
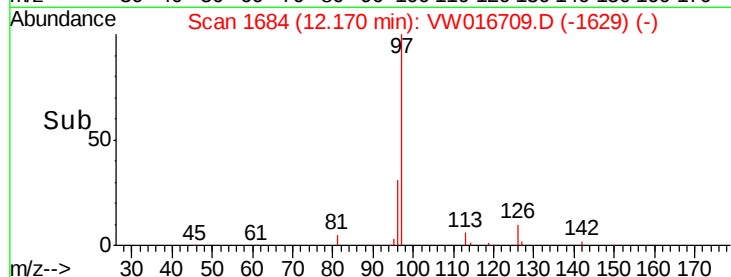
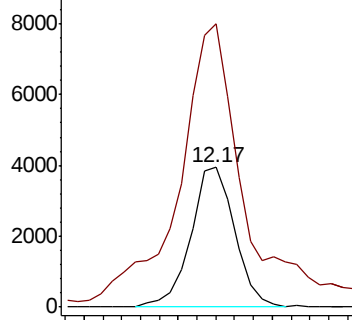
#55
o-xylene
Concen: 0.466 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016709.D
Acq: 30 Sep 2020 13:17

Instrument :
MSVOA_W
ClientSampleId :
BG3Y5

Tot Ion:106 Resp: 6365
Ion Ratio Lower Upper
106 100
91 202.8 144.8 268.8

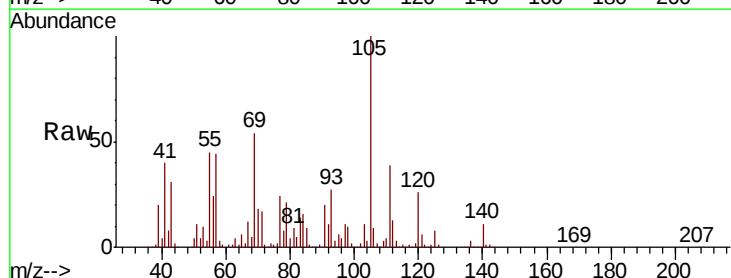


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

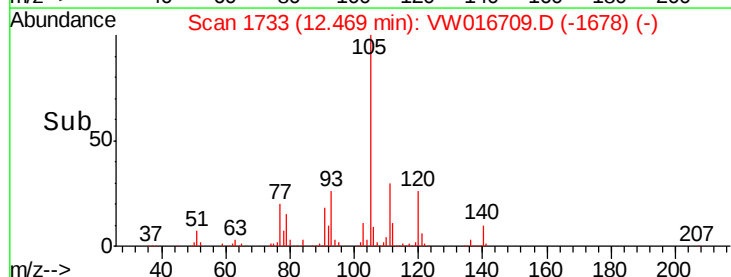
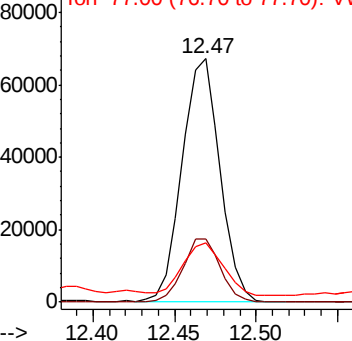


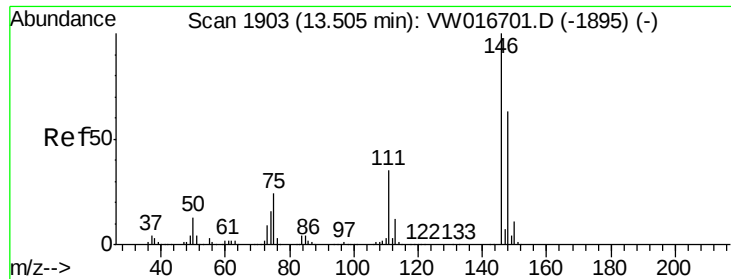
#57
Isopropylbenzene
Concen: 2.912 ug/L
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW016709.D
Acq: 30 Sep 2020 13:17

Tgt Ion:105 Resp: 108699
Ion Ratio Lower Upper
105 100
120 25.7 21.8 32.8
77 22.7 12.2 18.2#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V

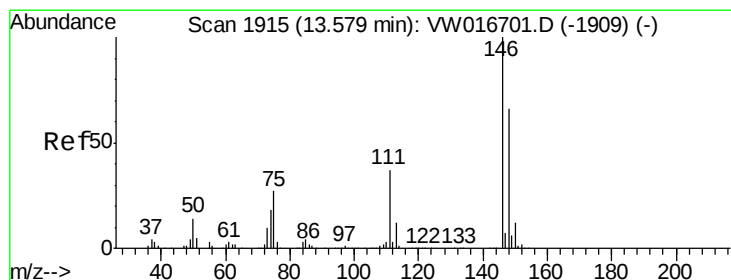
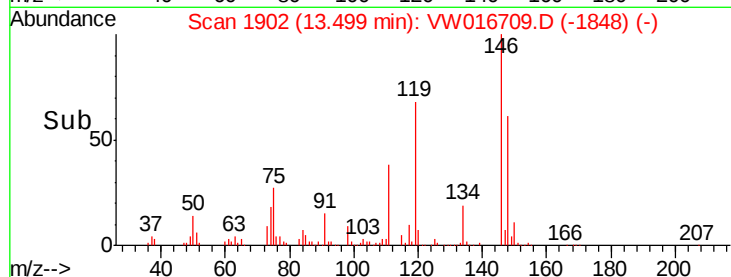
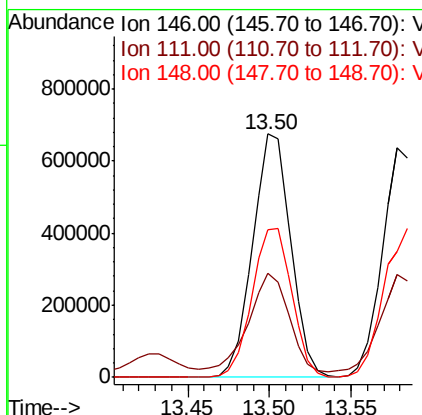
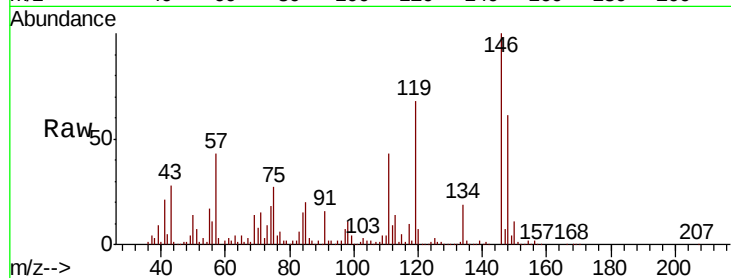




#63
 1,3-Dichlorobenzene
 Concen: 83.982 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016709.D
 Acq: 30 Sep 2020 13:17

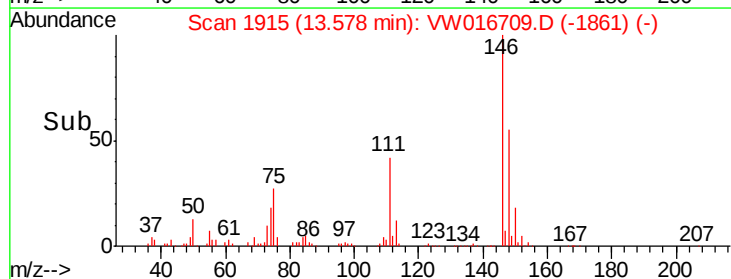
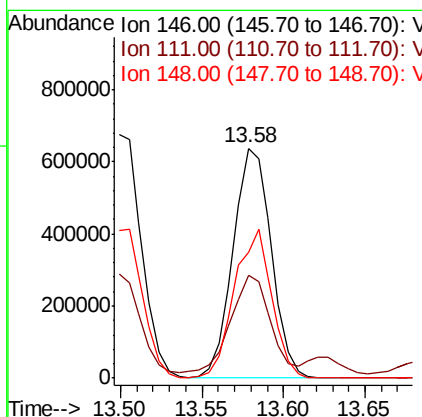
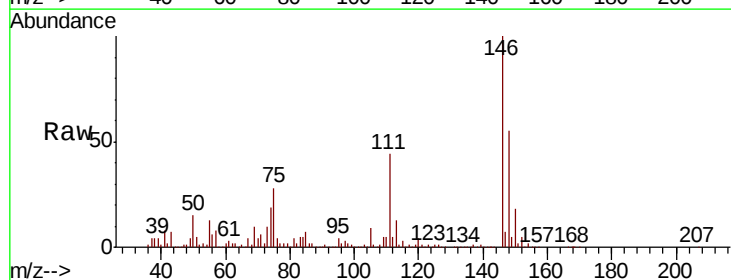
Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y5

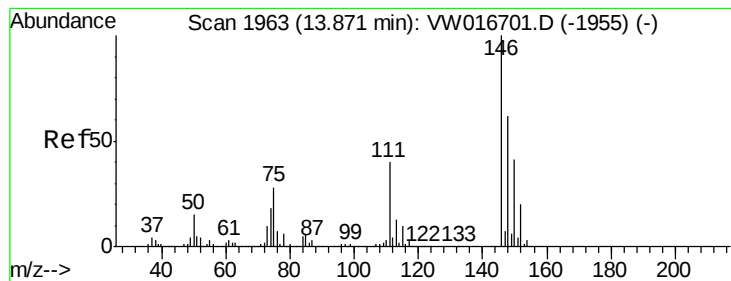
Tot Ion:146 Resp: 1097730
 Ion Ratio Lower Upper
 146 100
 111 42.9 25.0 46.4
 148 60.8 44.0 81.8



#64
 1,4-Dichlorobenzene
 Concen: 81.324 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016709.D
 Acq: 30 Sep 2020 13:17

Tgt Ion:146 Resp: 1040998
 Ion Ratio Lower Upper
 146 100
 111 44.5 25.1 46.5
 148 54.8 42.3 78.5





#65

1,2-Dichlorobenzene

Concen: 4.512 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016709.D

Acq: 30 Sep 2020 13:17

Instrument :

MSVOA_W

ClientSampled :

BG3Y5

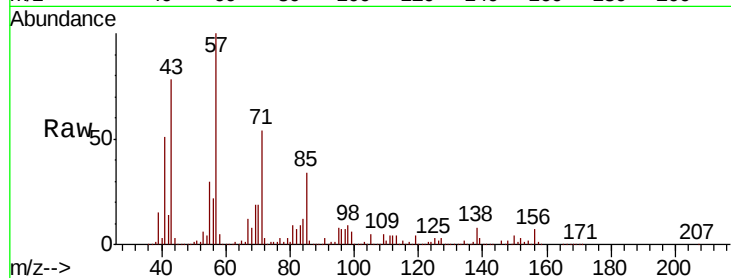
Tot Ion:146 Resp: 52699

Ion Ratio Lower Upper

146 100

111 165.5 31.4 47.0#

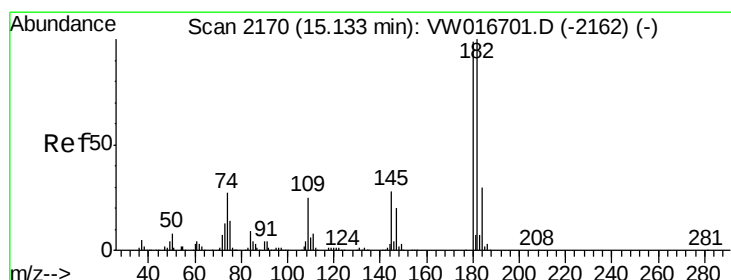
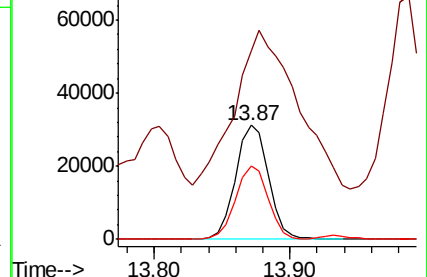
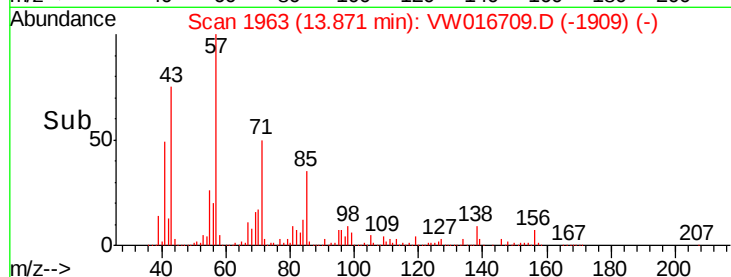
148 64.9 49.3 73.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 16.667 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW016709.D

Acq: 30 Sep 2020 13:17

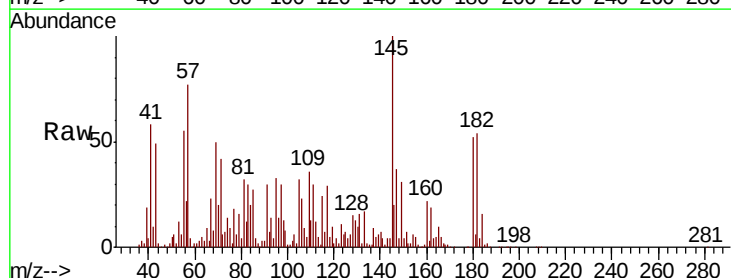
Tgt Ion:180 Resp: 128888

Ion Ratio Lower Upper

180 100

182 99.5 74.5 111.7

145 263.4 23.1 34.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

