

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
 Data File : VW015169.D
 Acq On : 08 Apr 2020 14:26
 Operator : SY/VA
 Sample : L2176-04
 Misc : 2.76G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2J0

Quant Time: Apr 09 01:21:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 09 01:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	655910	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	635168	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	2249421	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	230199	20.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.28%
7) Chloroethane-d5	2.89	69	216609	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.76%
10) 1,1-Dichloroethene-d2	4.02	63	322130	14.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.60%
20) 2-Butanone-d5	7.08	46	123872	48.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.08%
24) Chloroform-d	7.65	84	402275	20.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.08%
26) 1,2-Dichloroethane-d4	8.31	65	235856	20.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.12%
29) Benzene-d6	8.27	84	822876	20.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.96%
33) 1,2-Dichloropropane-d6	9.28	67	278233	20.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.40%
37) Toluene-d8	10.33	98	5532207	159.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	638.64%#
38) trans-1,3-Dichloropropene-	10.58	79	102621	19.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.44%
39) 2-Hexanone-d5	10.93	63	172804	86.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	173.28%#
48) 1,1,2,2-Tetrachloroethane-	12.72	84	2118649	229.38	ug/L	0.03
Spiked Amount	25.000	Range	45 - 120	Recovery	=	917.52%#
61) 1,2-Dichlorobenzene-d4	13.88	152	1032907	13.20	ug/L	0.03
Spiked Amount	25.000	Range	75 - 120	Recovery	=	52.80%#

Target Compounds

					Ovalue
13) Acetone	4.14	43	29148	12.667	ug/L 99
27) 1,2-Dichloroethane	8.43	62	13803	0.983	ug/L # 1
30) Cyclohexane	7.96	56	449726	21.700	ug/L 96
36) Methylcyclohexane	9.34	83	16982606	864.181	ug/L # 82
40) 1,2-Dichloropropane	9.34	63	257987	19.909	ug/L # 1
41) Bromodichloromethane	9.62	83	534927	36.282	ug/L # 70
43) 4-Methyl-2-pentanone	10.22	43	144434	19.700	ug/L # 58
44) Toluene	10.37	91	128895	2.774	ug/L # 40
46) 1,1,2-Trichloroethane	10.77	97	14080702	1848.480	ug/L # 20
49) 2-Hexanone	10.93	43	2887327	590.503	ug/L # 1
51) 1,2-Dibromoethane	11.24	107	22007	3.262	ug/L # 1
52) Chlorobenzene	11.68	112	44078	1.623	ug/L # 1
53) Ethylbenzene	11.83	91	403678	8.044	ug/L 89
54) m,p-Xylene	11.84	106	104145	5.919	ug/L # 1
55) o-xylene	12.17	106	33220	2.014	ug/L # 1
58) 1,1,2,2-Tetrachloroethane	12.71	83	8403326	881.405	ug/L # 82
59) 1,2,3-Trichloropropane	12.81	75	243570	34.155	ug/L # 1

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Quant Title : VOC Analysis
QLast Update : Thu Apr 09 01:17:46 2020
Response via : Initial Calibration

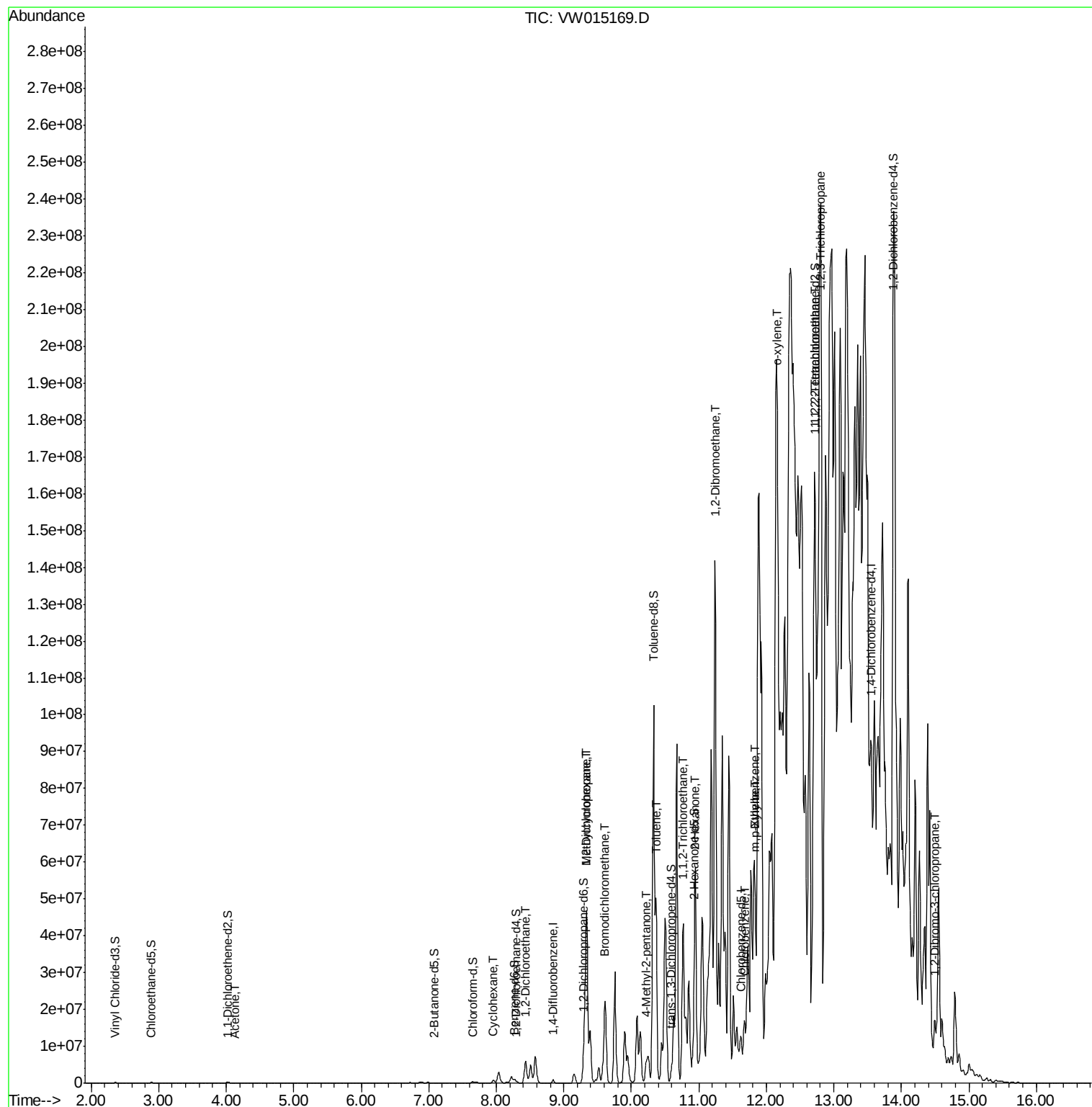
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	14.50	75	25906	2.027	ug/L #	25

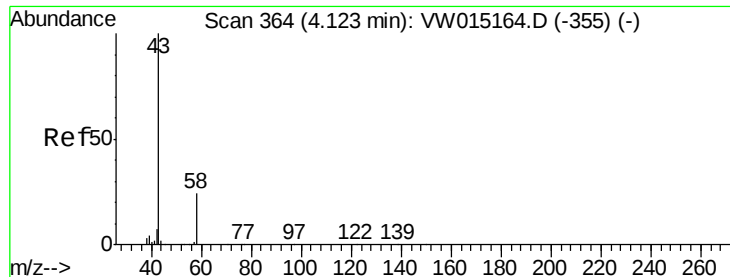
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 12.667 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015169.D

Acq: 08 Apr 2020 14:26

Instrument :

MSVOA_W

ClientSampleId :

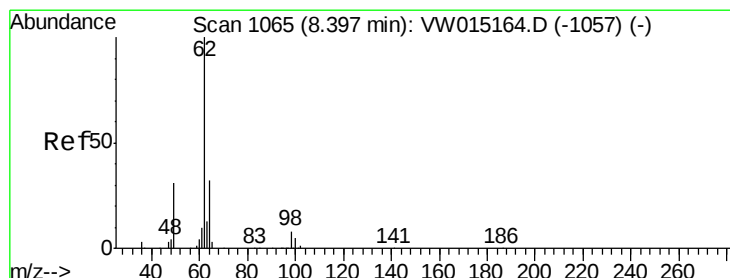
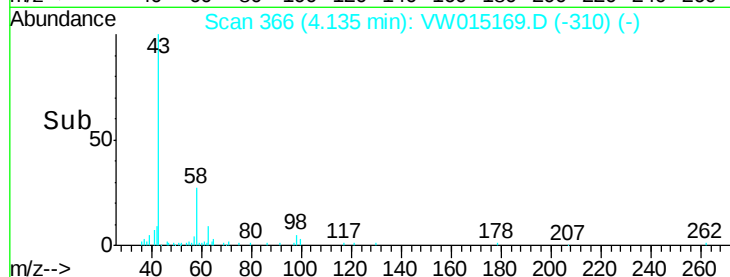
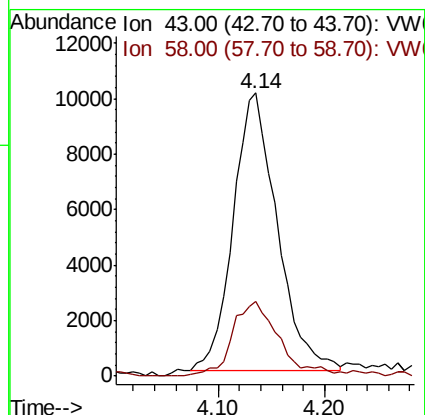
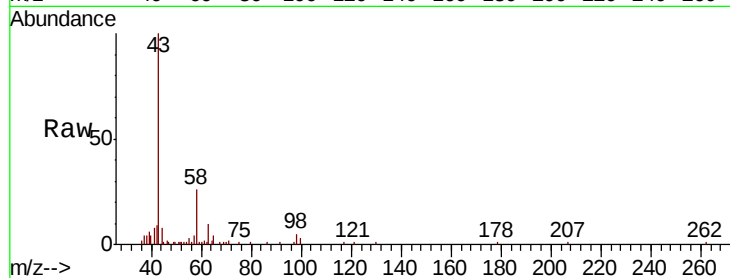
BG2J0

Tot Ion: 43 Resp: 29148

Ion Ratio Lower Upper

43 100

58 26.5 0.0 54.4



#27

1,2-Dichloroethane

Concen: 0.983 ug/L

RT: 8.43 min Scan# 1071

Delta R.T. 0.04 min

Lab File: VW015169.D

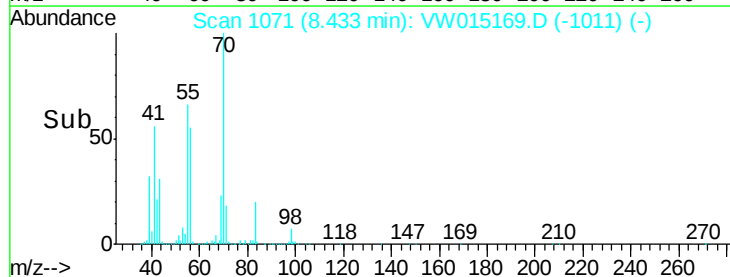
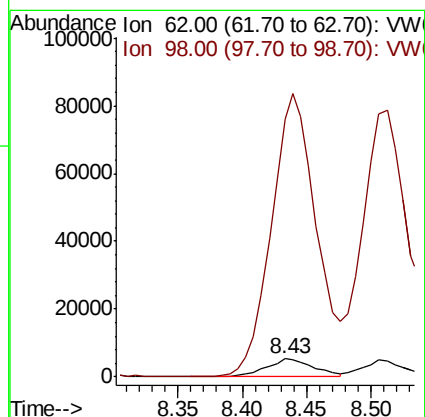
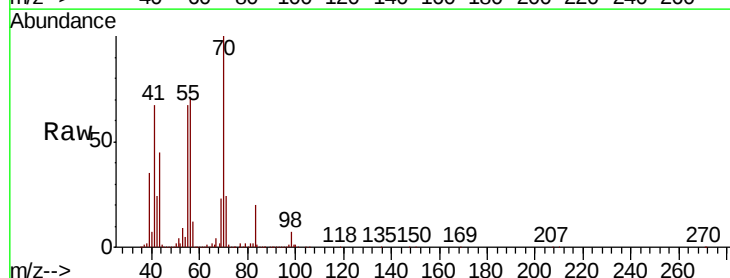
Acq: 08 Apr 2020 14:26

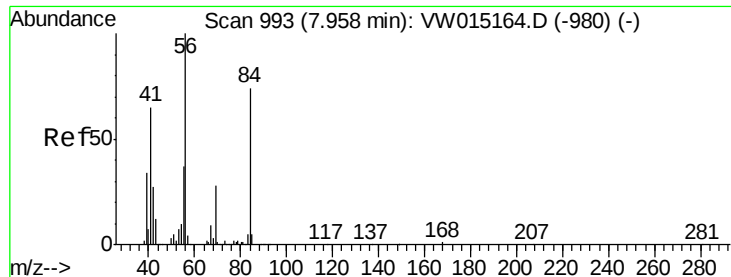
Tgt Ion: 62 Resp: 13803

Ion Ratio Lower Upper

62 100

98 1447.1 6.2 9.4#

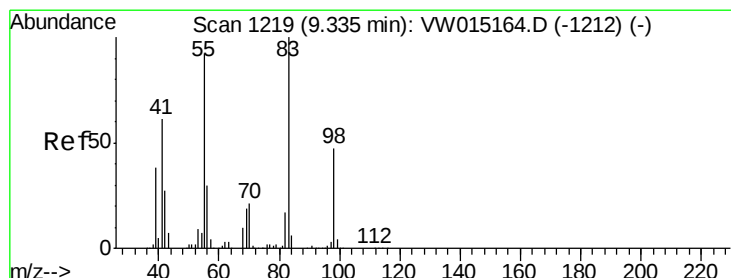
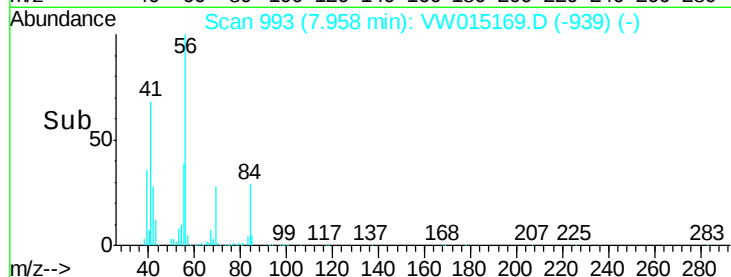
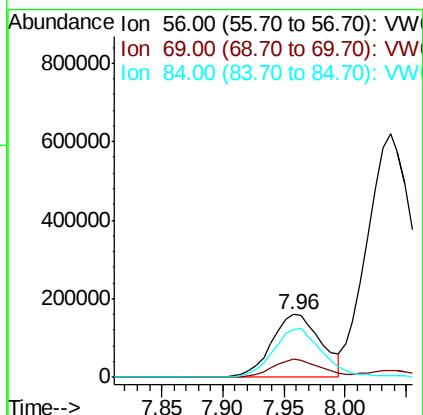
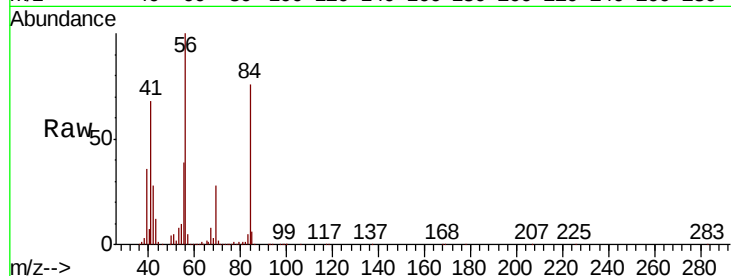




#30
Cyclohexane
Concen: 21.700 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

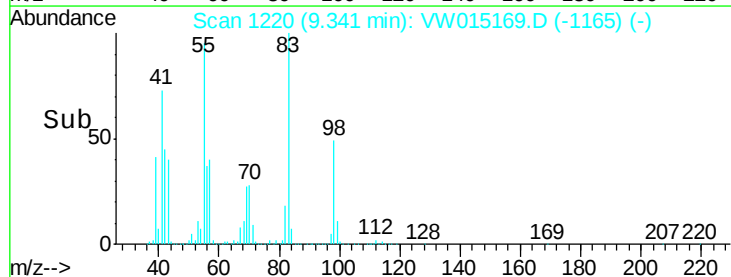
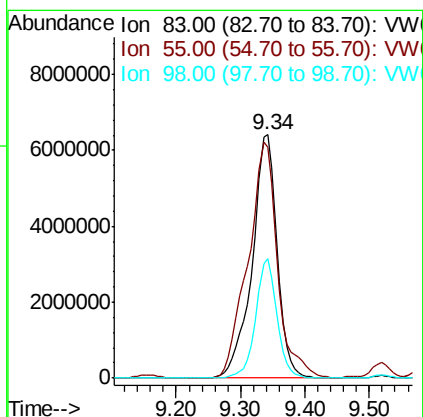
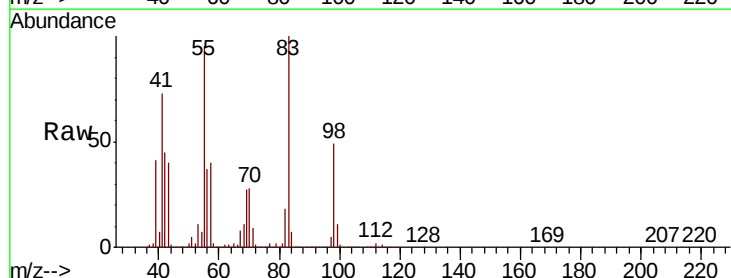
Instrument :
MSVOA_W
ClientSampled :
BG2J0

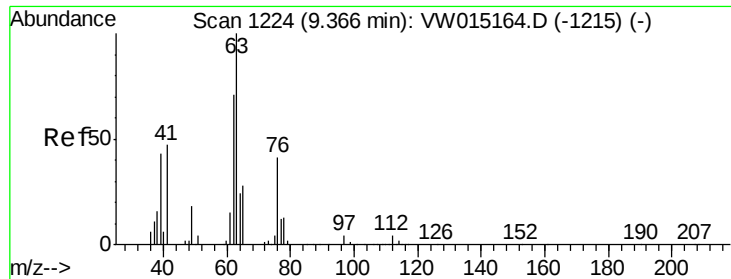
Tot Ion: 56 Resp: 449726
Ion Ratio Lower Upper
56 100
69 27.2 22.0 33.0
84 78.4 58.9 88.3



#36
Methylcyclohexane
Concen: 864.181 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

Tgt Ion: 83 Resp:16982606
Ion Ratio Lower Upper
83 100
55 114.8 73.4 110.2#
98 41.7 36.6 55.0

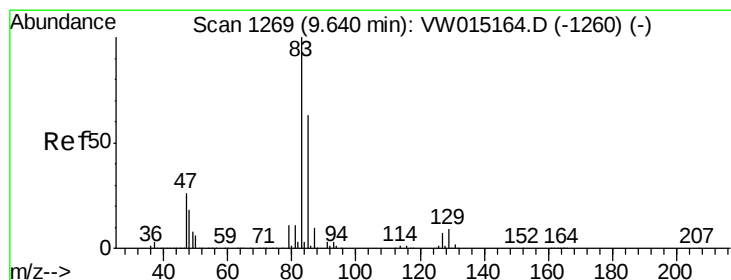
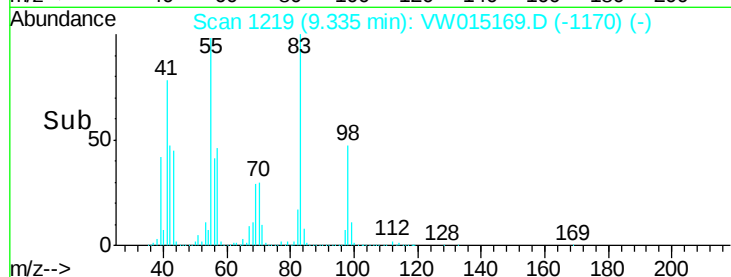
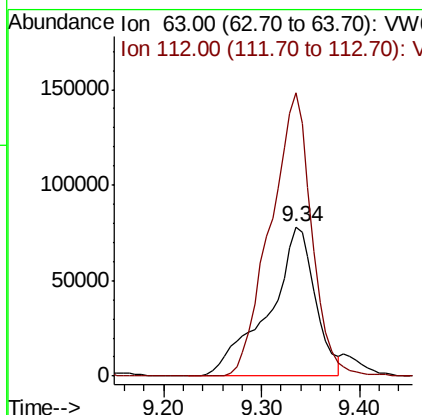
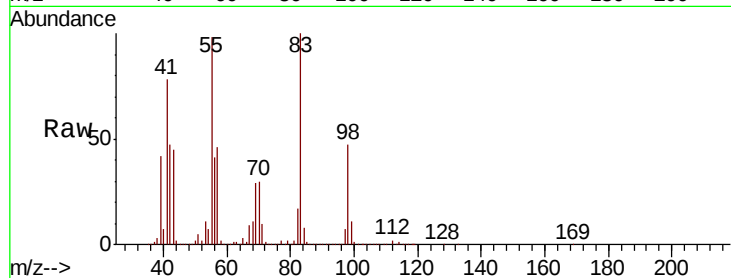




#40
 1,2-Dichloropropane
 Concen: 19.909 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.03 min
 Lab File: VW015169.D
 Acq: 08 Apr 2020 14:26

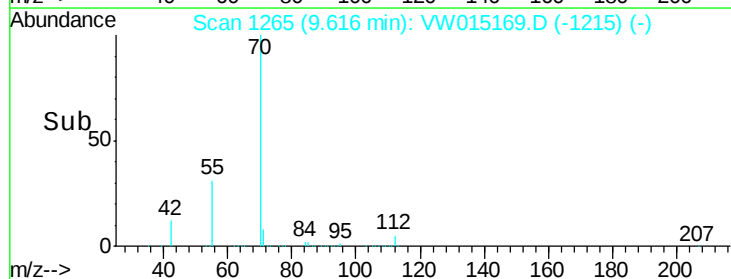
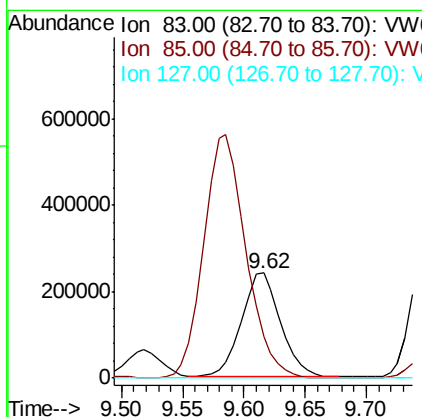
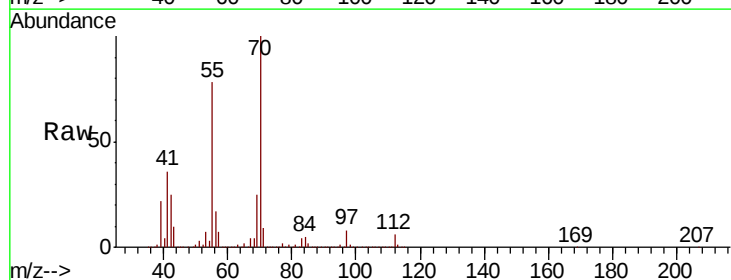
Instrument :
 MSVOA_W
 ClientSampled :
 BG2J0

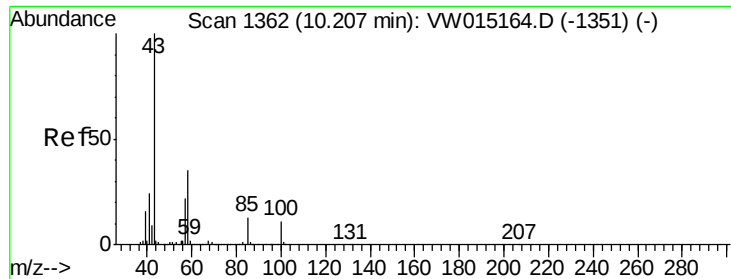
Tot Ion: 63 Resp: 257987
 Ion Ratio Lower Upper
 63 100
 112 169.0 2.9 4.3#



#41
 Bromodichloromethane
 Concen: 36.282 ug/L
 RT: 9.62 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: VW015169.D
 Acq: 08 Apr 2020 14:26

Tgt Ion: 83 Resp: 534927
 Ion Ratio Lower Upper
 83 100
 85 39.3 44.1 81.9#
 127 0.0 5.5 8.3#

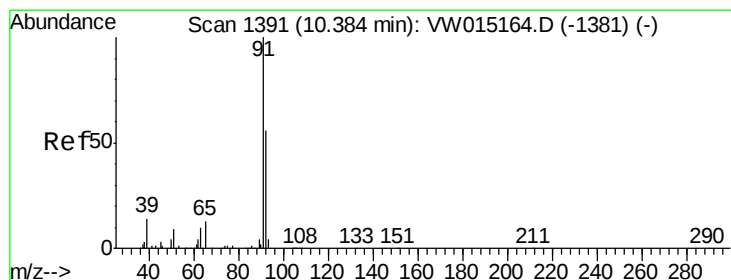
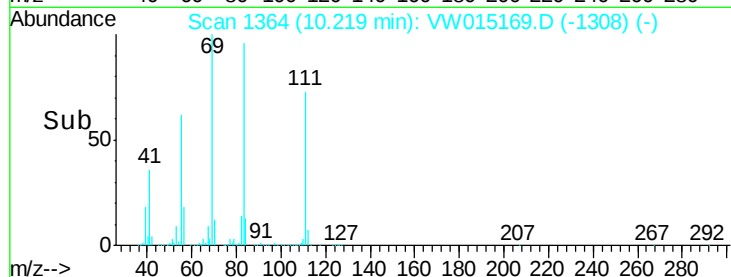
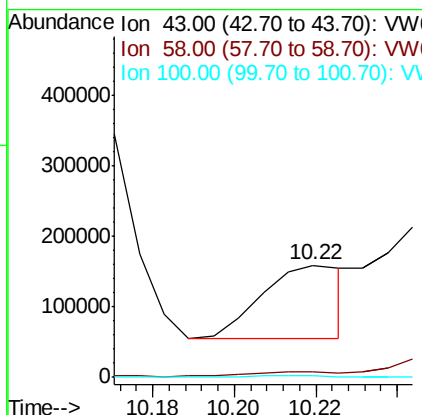
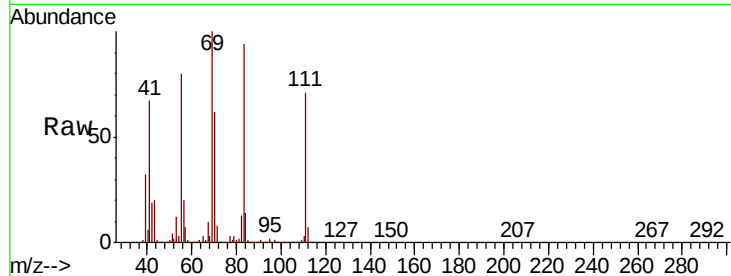




#43
4-Methyl-2-pentanone
Concen: 19.700 ug/L
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

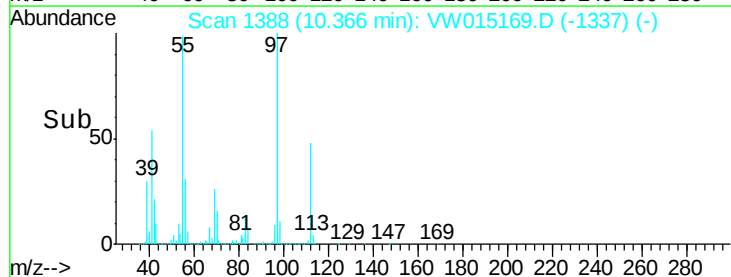
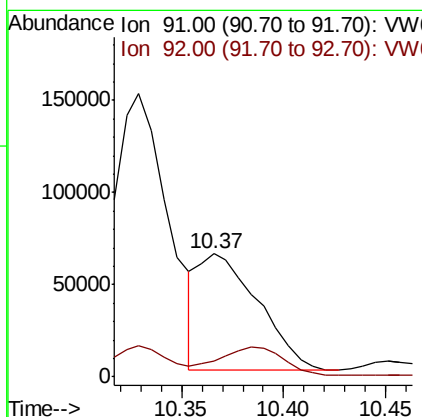
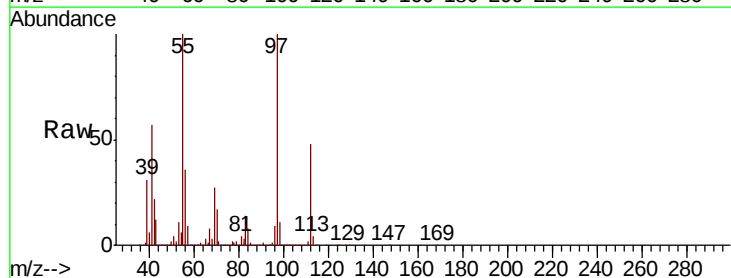
Instrument :
MSVOA_W
ClientSampleId :
BG2J0

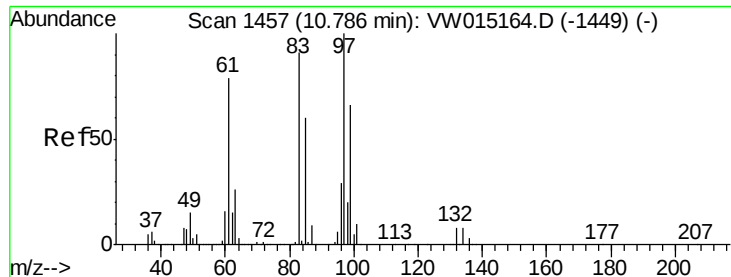
Tot Ion: 43 Resp: 144434
Ion Ratio Lower Upper
43 100
58 6.9 27.9 41.9#
100 2.4 8.9 13.3#



#44
Toluene
Concen: 2.774 ug/L
RT: 10.37 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

Tgt Ion: 91 Resp: 128895
Ion Ratio Lower Upper
91 100
92 13.1 40.2 74.6#



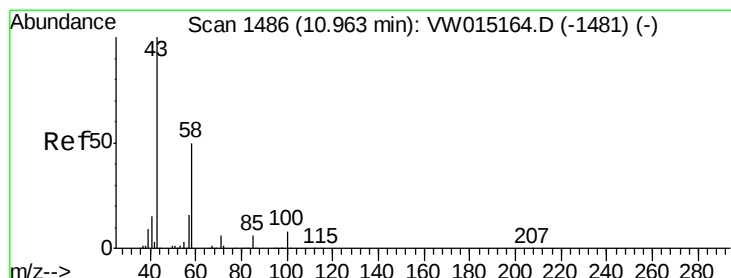
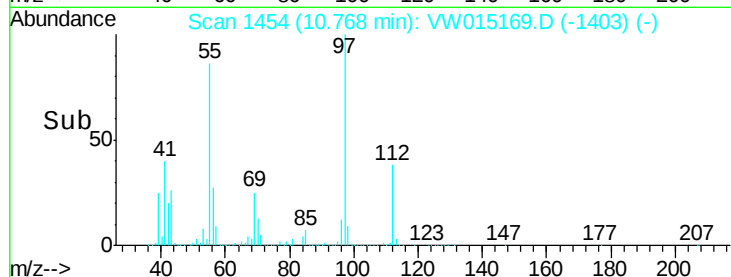
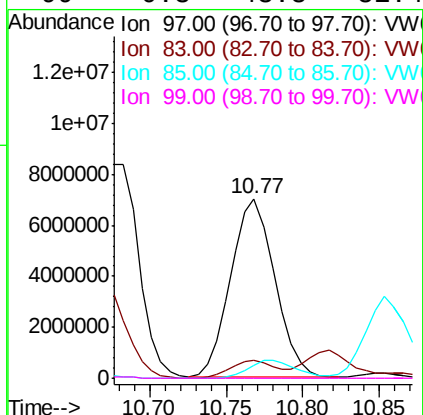
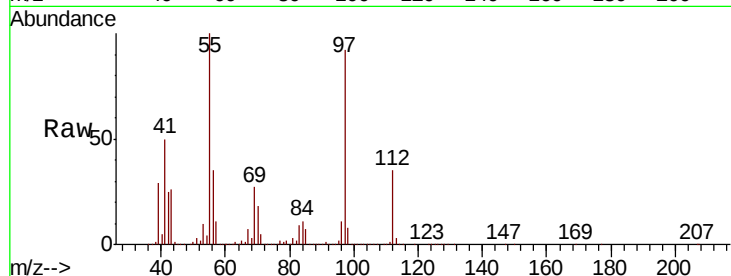


#46
 1,1,2-Trichloroethane
 Concen: 1848.480 ug/L
 RT: 10.77 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VW015169.D
 Acq: 08 Apr 2020 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2J0

Tot Ion: 97 Resp:14080702

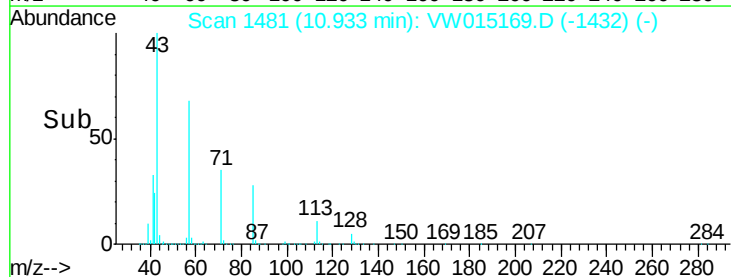
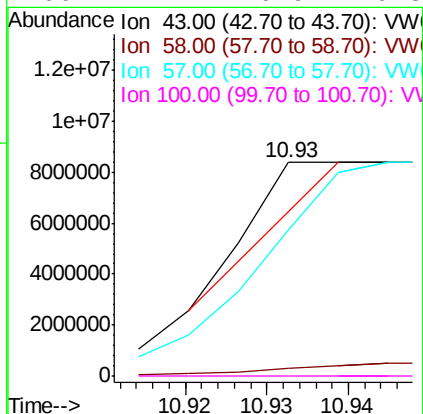
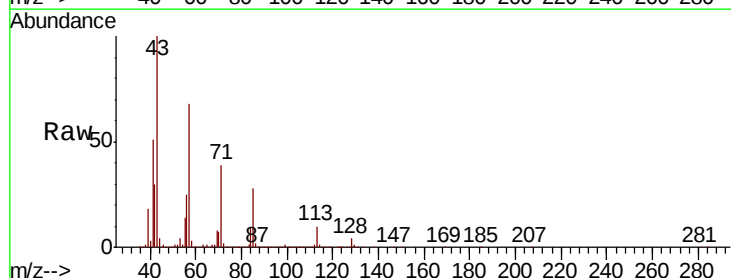
Ion	Ratio	Lower	Upper
97	100		
83	10.0	64.8	120.4#
85	7.3	40.9	75.9#
99	0.3	43.8	81.4#

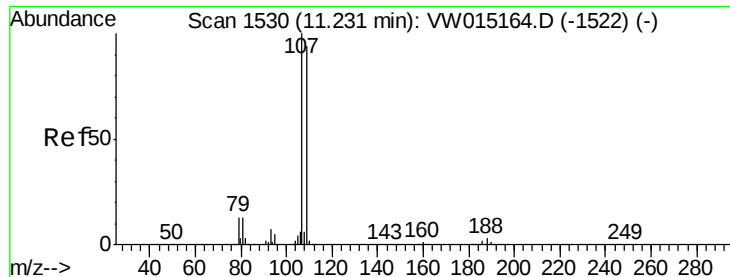


#49
 2-Hexanone
 Concen: 590.503 ug/L
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.03 min
 Lab File: VW015169.D
 Acq: 08 Apr 2020 14:26

Tgt Ion: 43 Resp: 2887327

Ion	Ratio	Lower	Upper
43	100		
58	35.3	38.5	57.7#
57	682.0	12.9	19.3#
100	1.2	6.9	10.3#

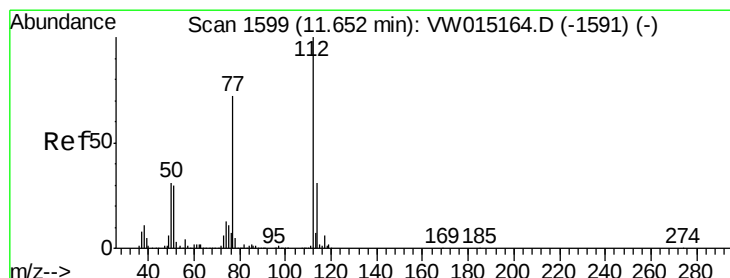
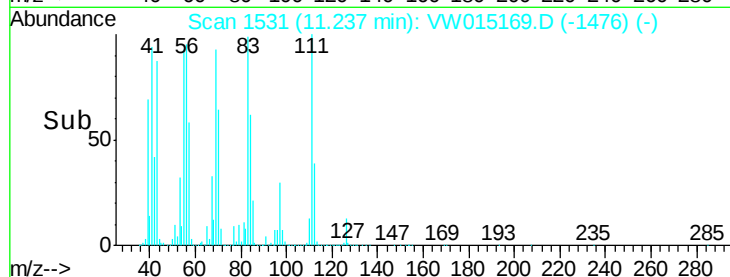
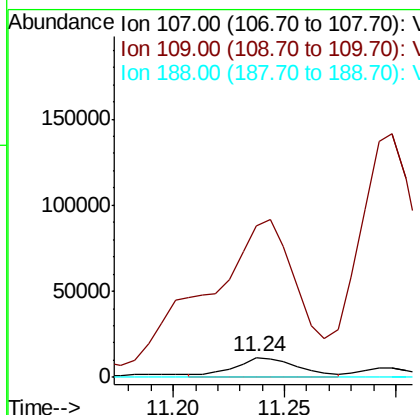
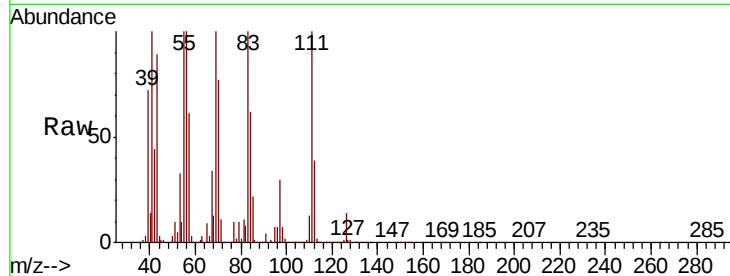




#51
1,2-Dibromoethane
Concen: 3.262 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

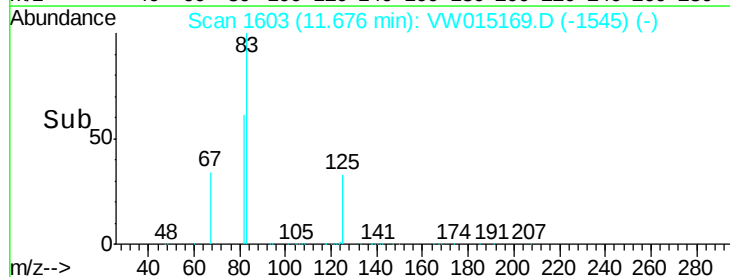
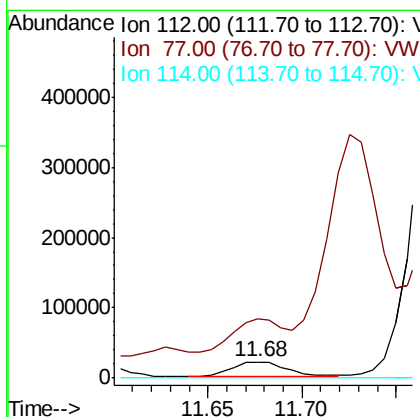
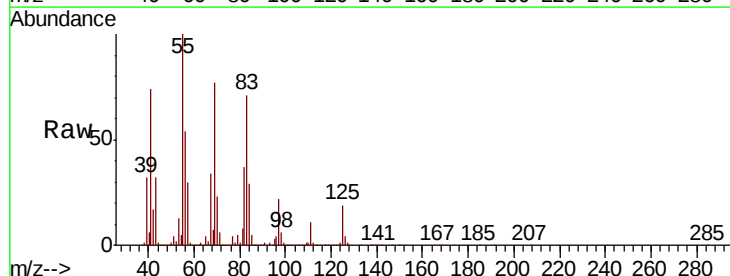
Instrument :
MSVOA_W
ClientSampleId :
BG2J0

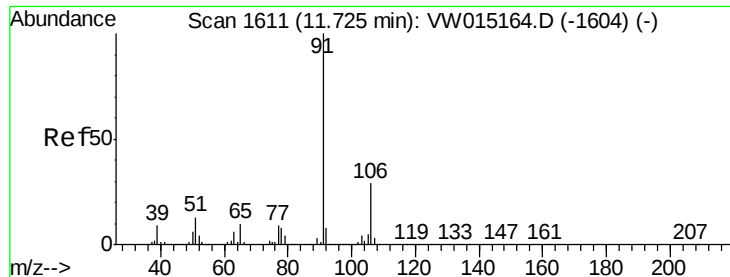
Tot Ion:107 Resp: 22007
Ion Ratio Lower Upper
107 100
109 771.0 65.9 122.5#
188 0.0 2.3 3.5#



#52
Chlorobenzene
Concen: 1.623 ug/L
RT: 11.68 min Scan# 1603
Delta R.T. 0.02 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

Tgt Ion:112 Resp: 44078
Ion Ratio Lower Upper
112 100
77 363.2 53.5 80.3#
114 0.3 22.0 40.8#





#53

Ethylbenzene

Concen: 8.044 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.11 min

Lab File: VW015169.D

Acq: 08 Apr 2020 14:26

Instrument :

MSVOA_W

ClientSampled :

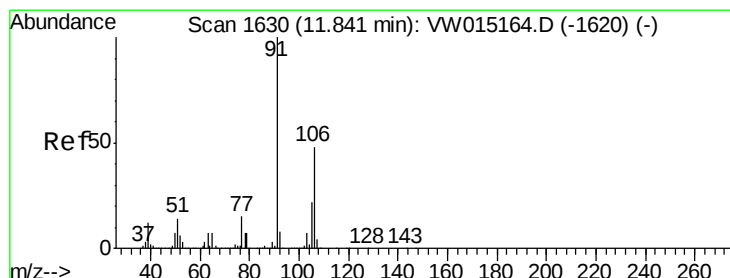
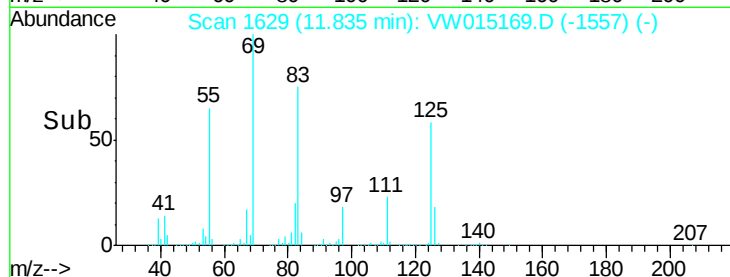
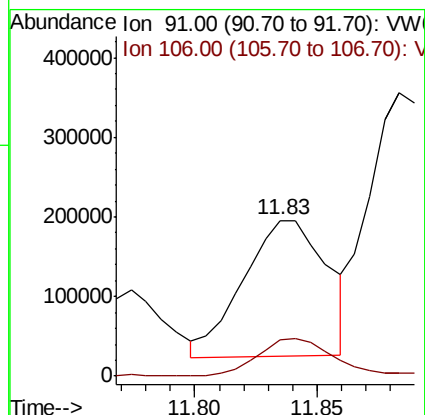
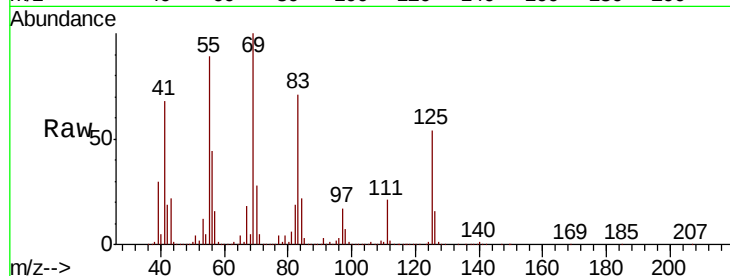
BG2J0

Tot Ion: 91 Resp: 403678

Ion Ratio Lower Upper

91 100

106 23.5 20.6 38.2



#54

m,p-Xylene

Concen: 5.919 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015169.D

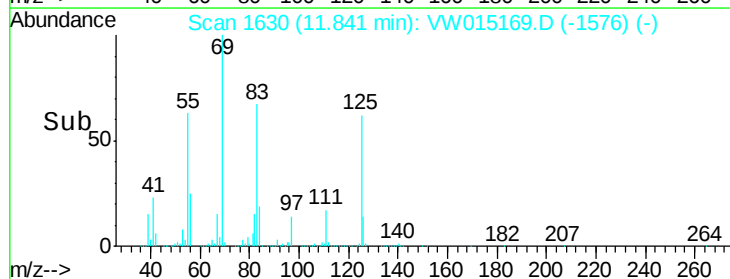
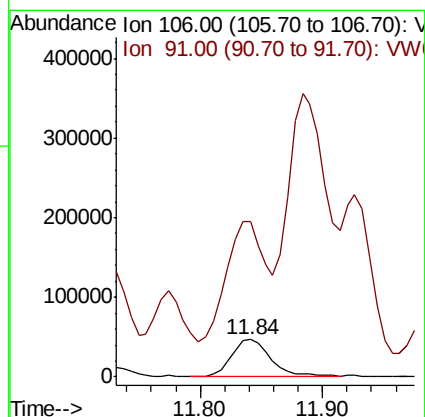
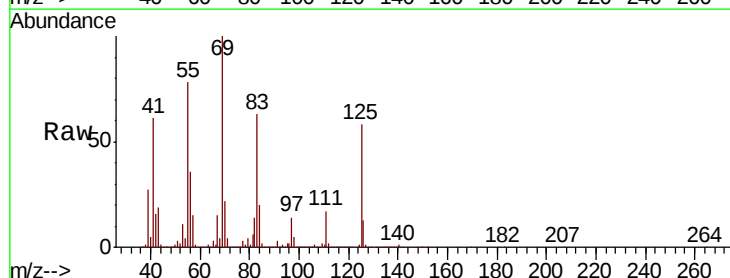
Acq: 08 Apr 2020 14:26

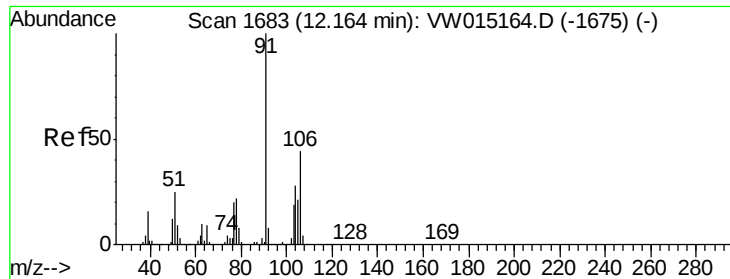
Tgt Ion: 106 Resp: 104145

Ion Ratio Lower Upper

106 100

91 416.9 147.3 273.6#

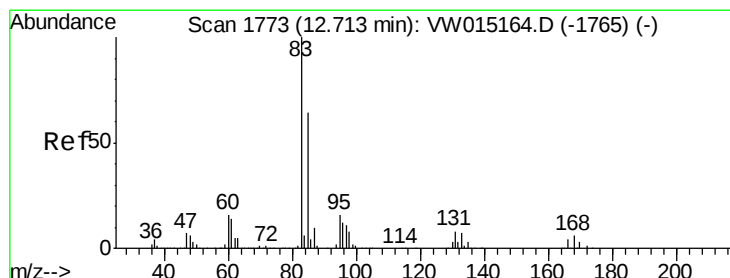
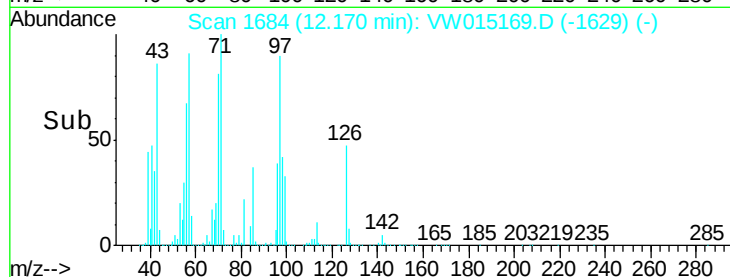
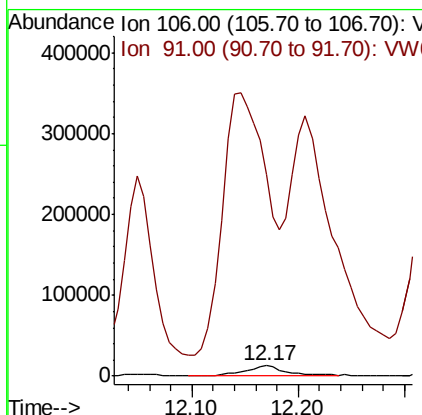
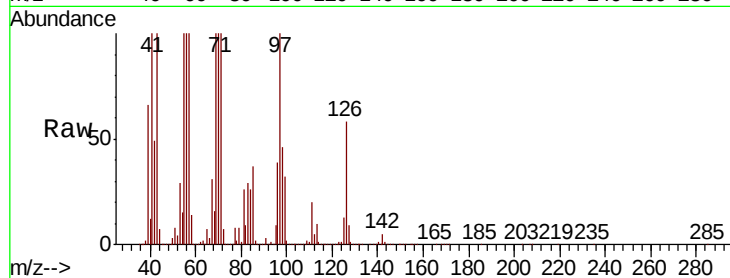




#55
o-xylene
Concen: 2.014 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

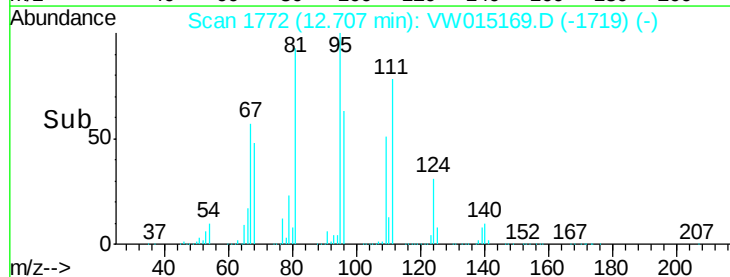
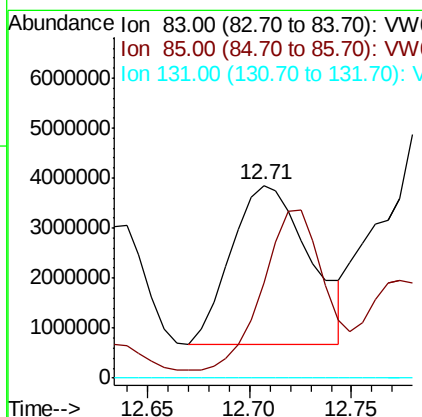
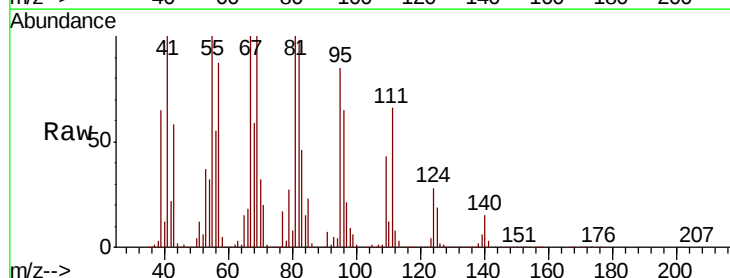
Instrument :
MSVOA_W
ClientSampled :
BG2J0

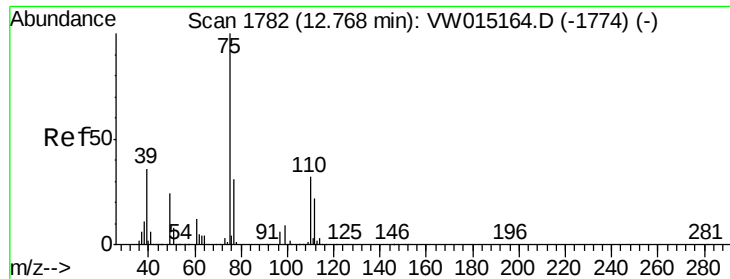
Tot Ion:106 Resp: 33220
Ion Ratio Lower Upper
106 100
91 1941.5 158.6 294.6#



#58
1,1,2,2-Tetrachloroethane
Concen: 881.405 ug/L
RT: 12.71 min Scan# 1772
Delta R.T. -0.01 min
Lab File: VW015169.D
Acq: 08 Apr 2020 14:26

Tgt Ion: 83 Resp: 8403326
Ion Ratio Lower Upper
83 100
85 49.5 44.1 81.9
131 0.0 5.9 8.9#





#59

1,2,3-Trichloropropane

Concen: 34.155 ug/L

RT: 12.81 min Scan# 1789

Delta R.T. 0.04 min

Lab File: VW015169.D

Acq: 08 Apr 2020 14:26

Instrument :

MSVOA_W

ClientSampleId :

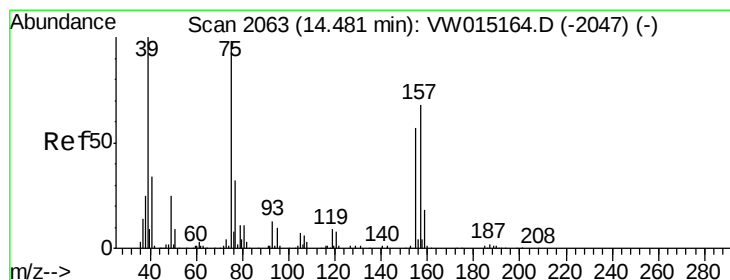
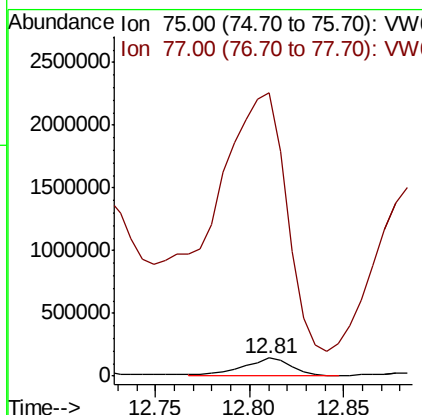
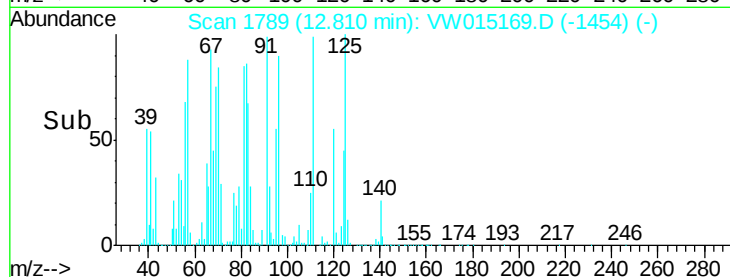
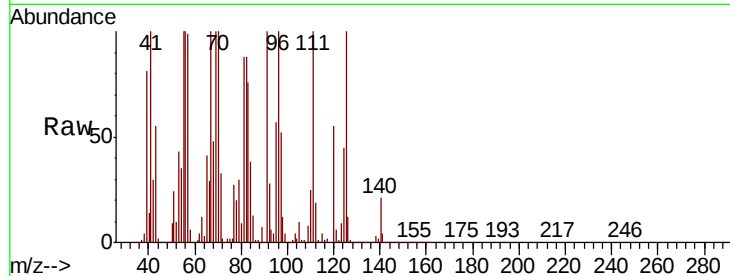
BG2J0

Tot Ion: 75 Resp: 243570

Ion Ratio Lower Upper

75 100

77 2029.9 25.8 38.6#



#66

1,2-Dibromo-3-chloropropane

Concen: 2.027 ug/L

RT: 14.50 min Scan# 2066

Delta R.T. 0.02 min

Lab File: VW015169.D

Acq: 08 Apr 2020 14:26

Tgt Ion: 75 Resp: 25906

Ion Ratio Lower Upper

75 100

157 0.6 57.3 85.9#

155 9.8 43.2 64.8#

