

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062920\
 Data File : VW015761.D
 Acq On : 29 Jun 2020 14:35
 Operator : SY/VA
 Sample : L3131-03
 Misc : 5.31G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2L8

Quant Time: Jun 30 03:05:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062920S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 30 03:03:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	303583	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	277730	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	130881	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	107902	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.90	69	87848	21.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.28%
10) 1,1-Dichloroethene-d2	4.01	63	150698	17.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.88%
20) 2-Butanone-d5	7.09	46	50471	48.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.06%
24) Chloroform-d	7.65	84	186724	22.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.24%
26) 1,2-Dichloroethane-d4	8.31	65	111895	23.25	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.00%
29) Benzene-d6	8.27	84	381897	23.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.24%
33) 1,2-Dichloropropane-d6	9.27	67	111895	22.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.28%
37) Toluene-d8	10.33	98	350735	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.04%
38) trans-1,3-Dichloropropene-	10.58	79	46749	21.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.12%
39) 2-Hexanone-d5	10.93	63	37915	47.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.92%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	84595	22.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	116722	23.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.00%

Target Compounds

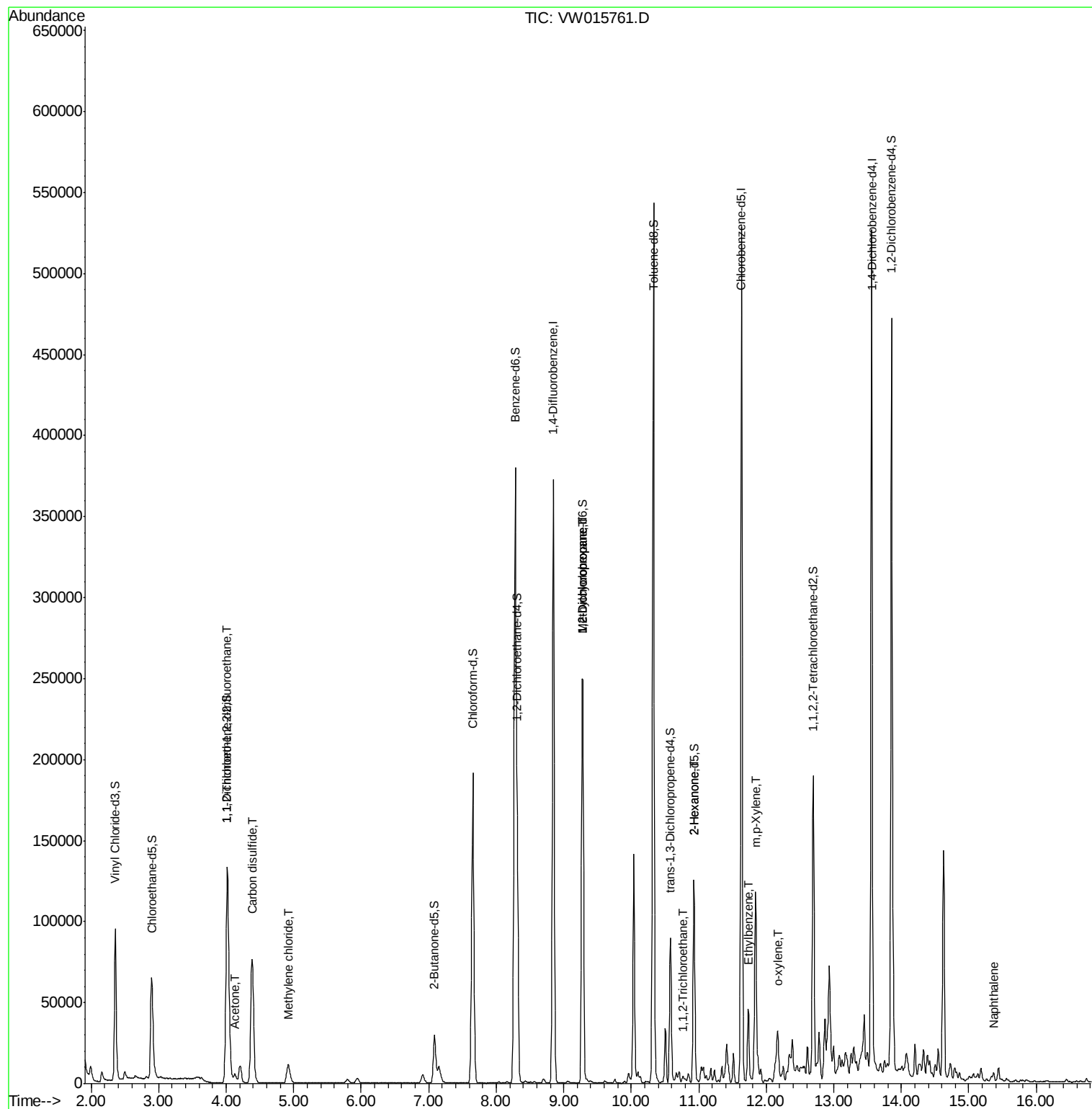
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) 1,1,2-Trichloro-1,2,2-trif	4.01	101	1428	0.390	ug/L #	20
13) Acetone	4.14	43	9293	10.663	ug/L	99
14) Carbon disulfide	4.39	76	172184	15.704	ug/L	98
16) Methylene chloride	4.93	84	9632	2.162	ug/L	92
36) Methylcyclohexane	9.27	83	27830	3.967	ug/L #	18
40) 1,2-Dichloropropane	9.27	63	13571	3.656	ug/L #	85
46) 1,1,2-Trichloroethane	10.76	97	1314	0.490	ug/L #	26
49) 2-Hexanone	10.93	43	9208	6.035	ug/L #	48
53) Ethylbenzene	11.73	91	31465	1.679	ug/L	98
54) m,p-Xylene	11.84	106	21437	3.061	ug/L	100
55) o-xylene	12.17	106	6803	1.016	ug/L	97
69) Naphthalene	15.37	128	4150	0.528	ug/L	98

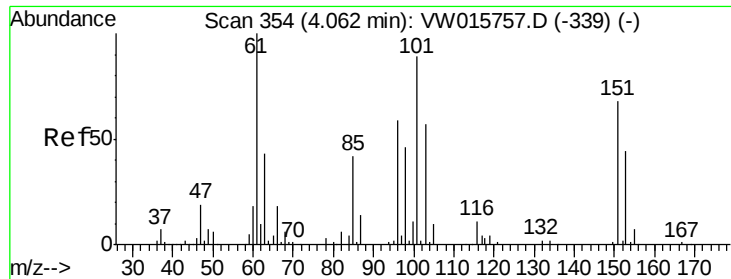
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Jun 30 03:03:23 2020
Response via : Initial Calibration





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.390 ug/L

RT: 4.01 min Scan# 346

Delta R.T. -0.05 min

Lab File: VW015761.D

Acq: 29 Jun 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

BG2L8

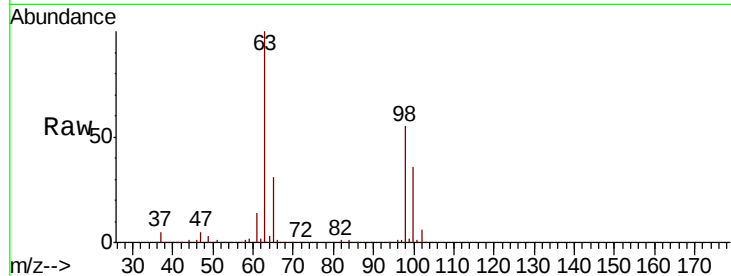
Tot Ion:101 Resp: 1428

Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

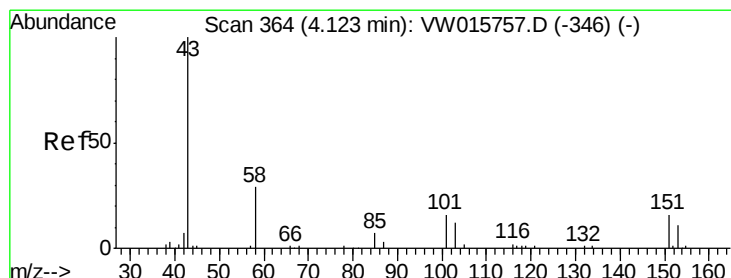
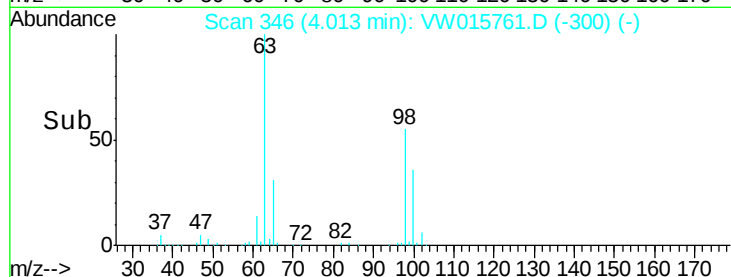
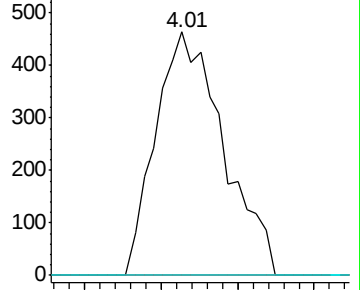
151 0.0 58.6 88.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 10.663 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015761.D

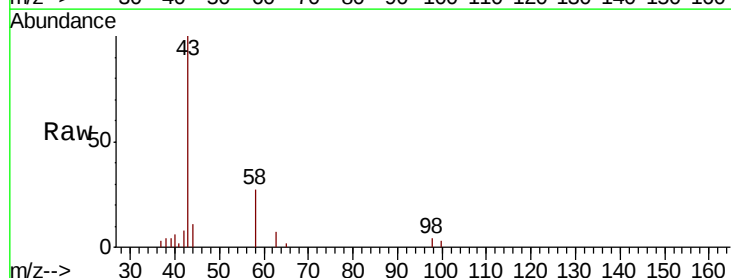
Acq: 29 Jun 2020 14:35

Tgt Ion: 43 Resp: 9293

Ion Ratio Lower Upper

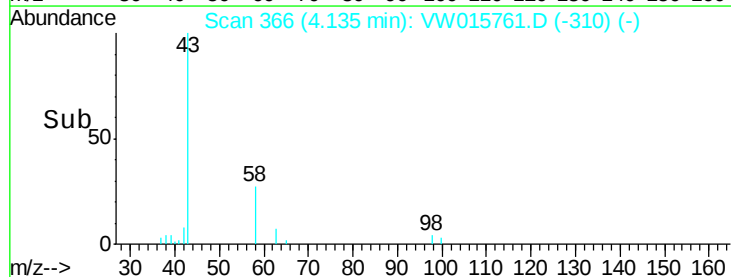
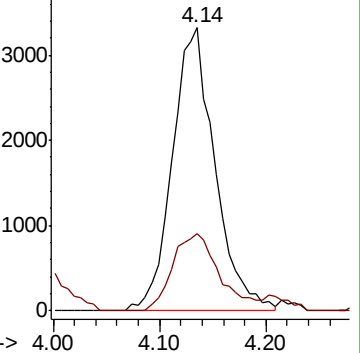
43 100

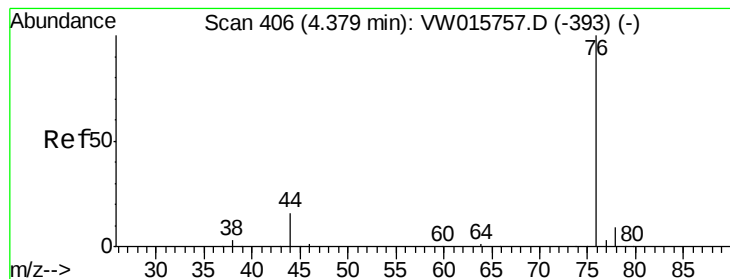
58 30.2 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 15.704 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW015761.D

Acq: 29 Jun 2020 14:35

Instrument :

MSVOA_W

ClientSampled :

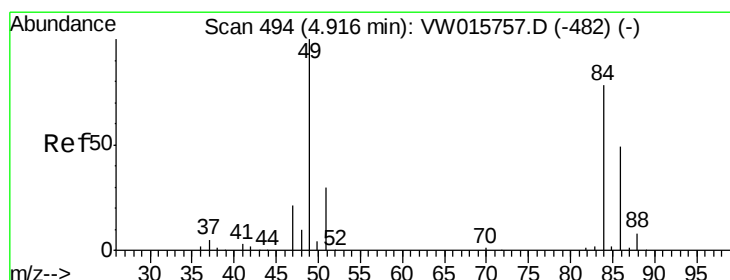
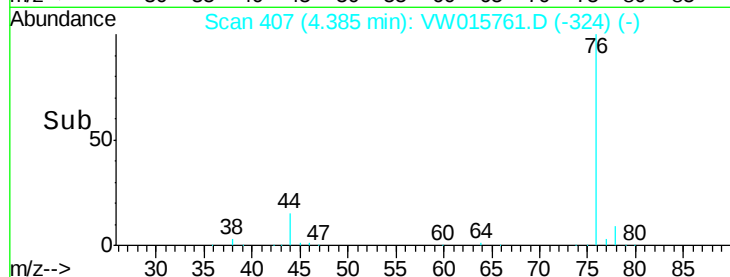
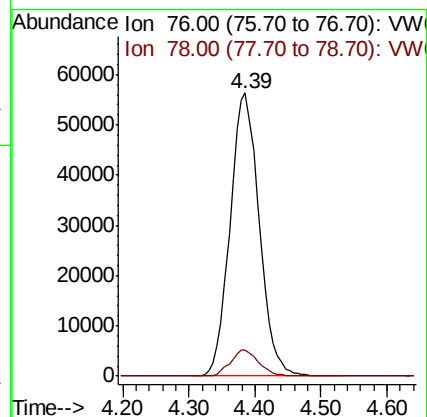
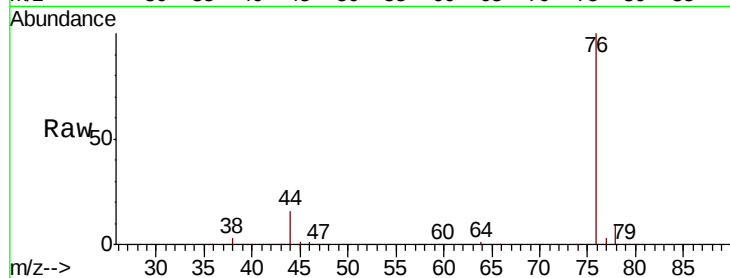
BG2L8

Tot Ion: 76 Resp: 172184

Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3



#16

Methylene chloride

Concen: 2.162 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015761.D

Acq: 29 Jun 2020 14:35

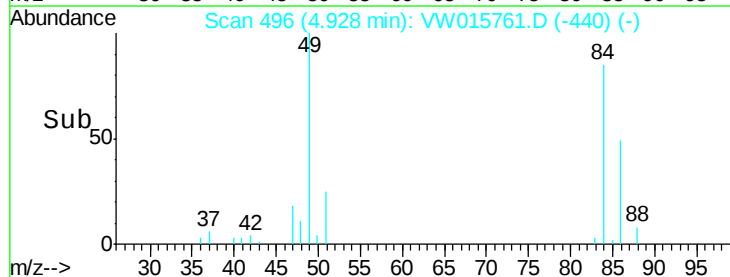
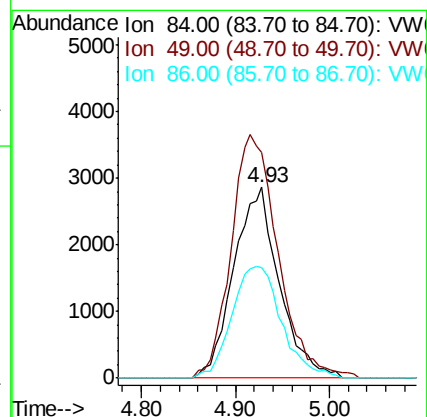
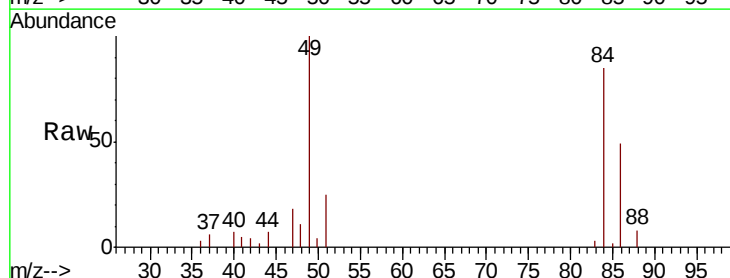
Tgt Ion: 84 Resp: 9632

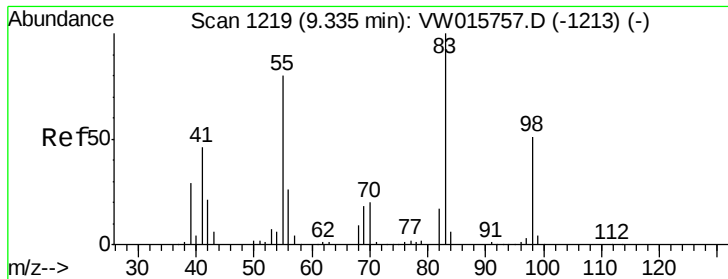
Ion Ratio Lower Upper

84 100

49 117.9 90.0 167.2

86 57.9 44.0 81.8

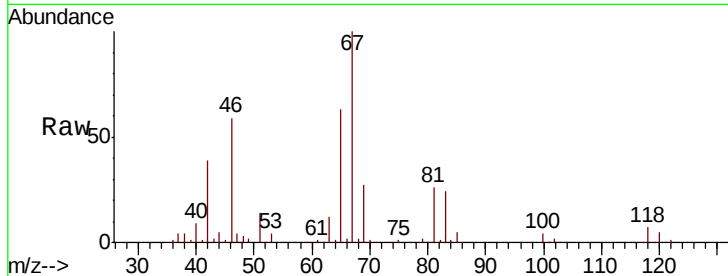




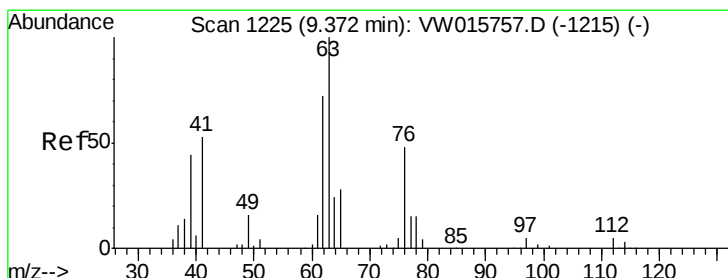
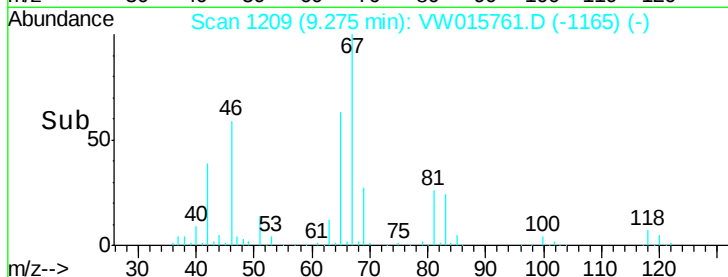
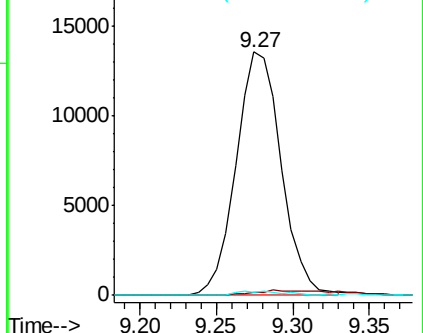
#36
Methvlcvclohexane
Concen: 3.967 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW015761.D
Acq: 29 Jun 2020 14:35

Instrument :
MSVOA_W
ClientSampled :
BG2L8

Tot Ion: 83 Resp: 27830
Ion Ratio Lower Upper
83 100
55 0.3 62.7 94.1#
98 0.9 39.4 59.2#

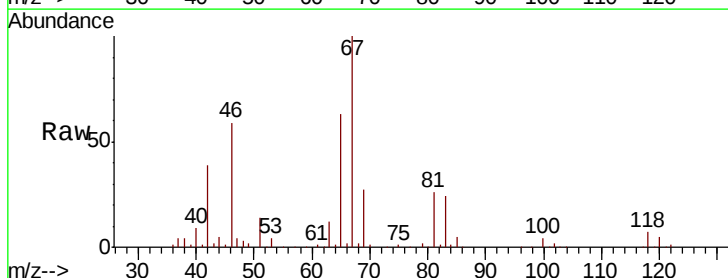


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

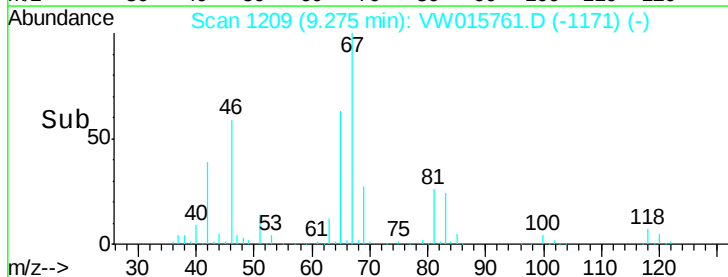
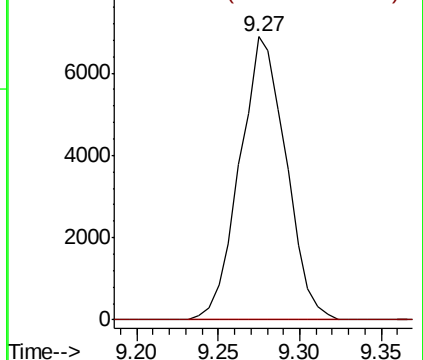


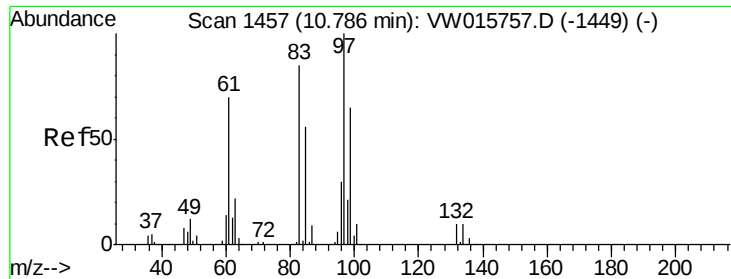
#40
1,2-Dichloropropane
Concen: 3.656 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW015761.D
Acq: 29 Jun 2020 14:35

Tgt Ion: 63 Resp: 13571
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V

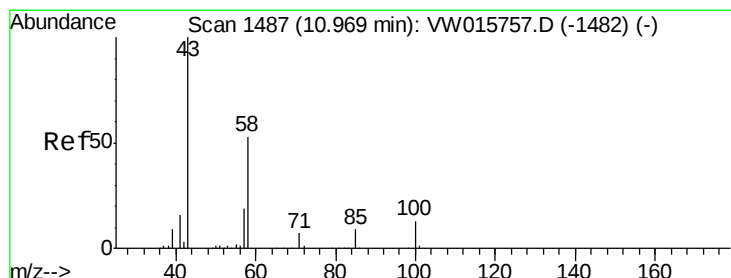
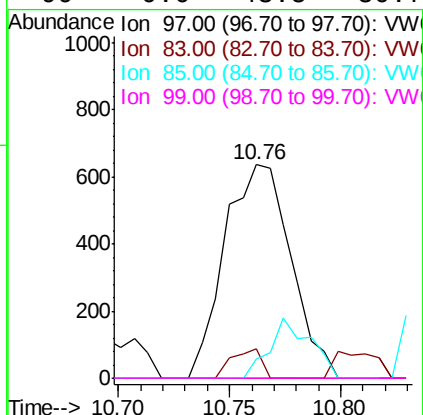
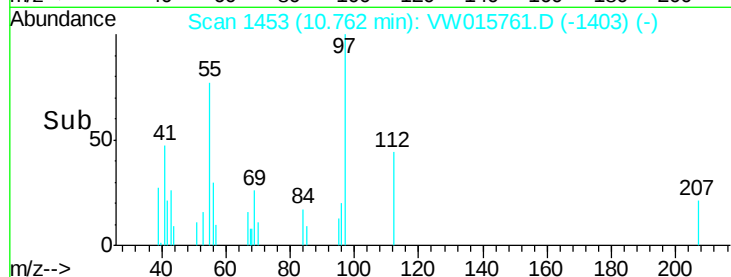
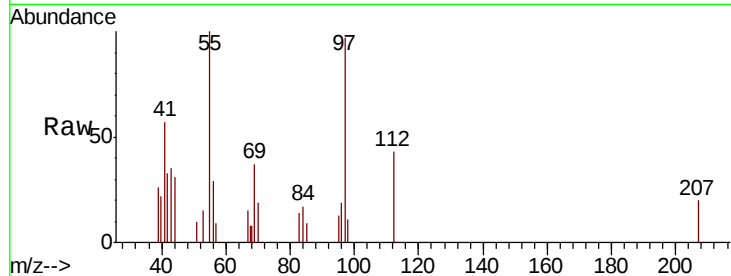




#46
 1,1,2-Trichloroethane
 Concen: 0.490 ug/L
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW015761.D
 Acq: 29 Jun 2020 14:35

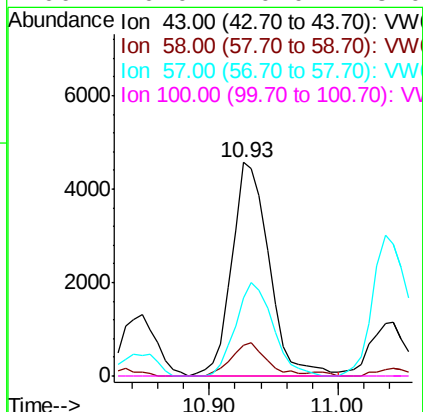
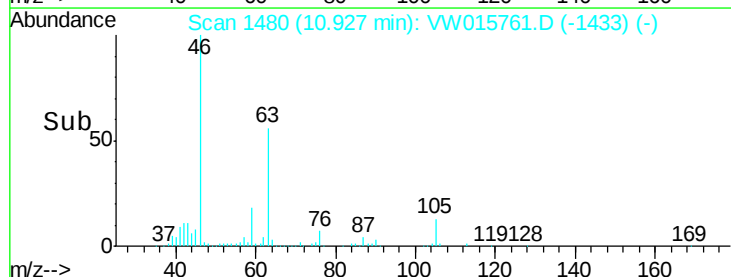
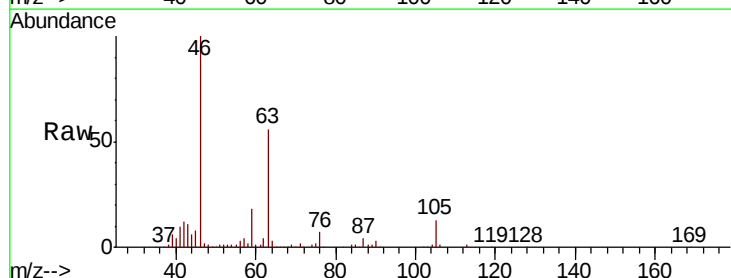
Instrument :
 MSVOA_W
 ClientSampled :
 BG2L8

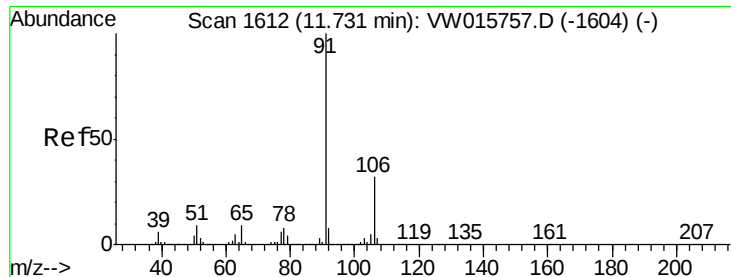
Tot Ion: 97 Resp: 1314
 Ion Ratio Lower Upper
 97 100
 83 14.0 58.4 108.4#
 85 9.3 39.2 72.8#
 99 0.0 43.5 80.7#



#49
 2-Hexanone
 Concen: 6.035 ug/L
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.04 min
 Lab File: VW015761.D
 Acq: 29 Jun 2020 14:35

Tgt Ion: 43 Resp: 9208
 Ion Ratio Lower Upper
 43 100
 58 14.6 43.5 65.3#
 57 43.5 15.4 23.0#
 100 0.0 10.0 15.0#





#53

Ethylbenzene

Concen: 1.679 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015761.D

Acq: 29 Jun 2020 14:35

Instrument :

MSVOA_W

ClientSampleId :

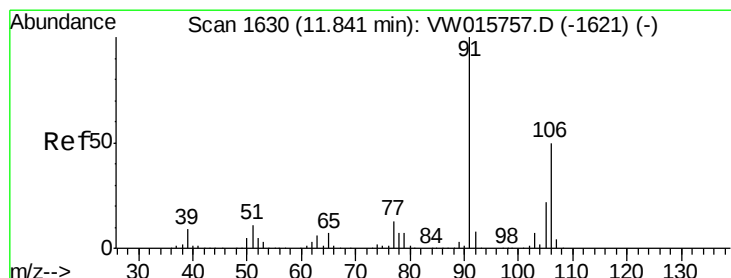
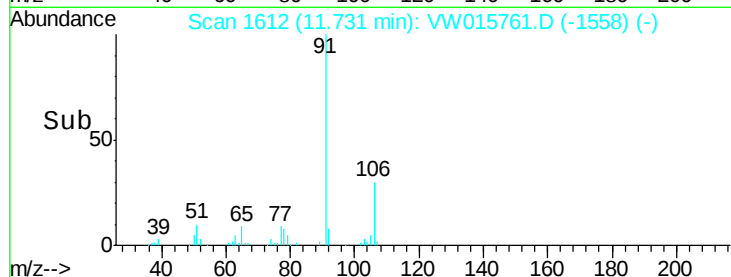
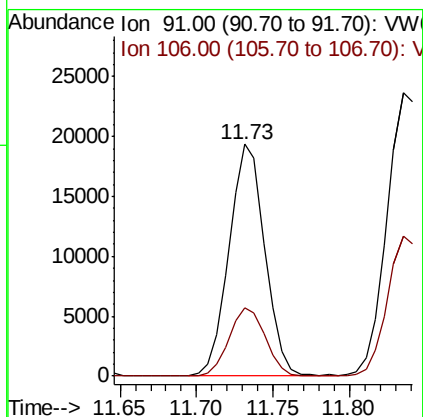
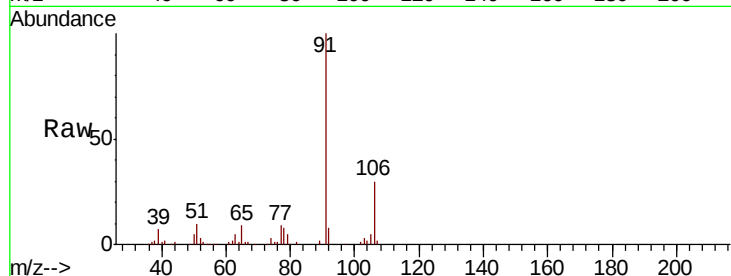
BG2L8

Tot Ion: 91 Resp: 31465

Ion Ratio Lower Upper

91 100

106 29.6 21.4 39.8



#54

m,p-Xylene

Concen: 3.061 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015761.D

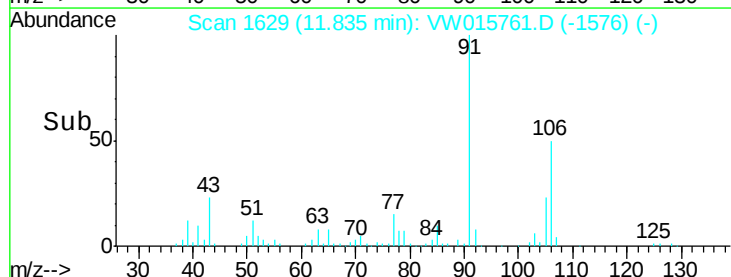
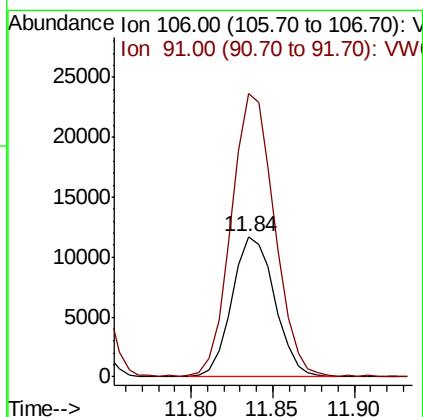
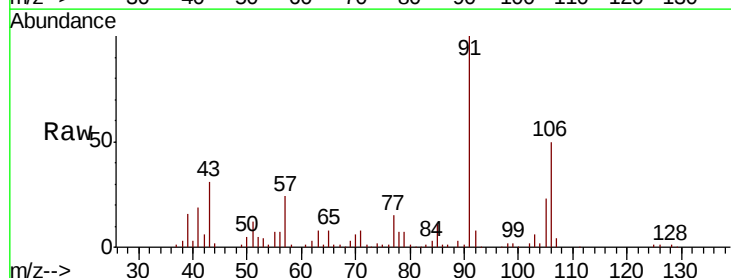
Acq: 29 Jun 2020 14:35

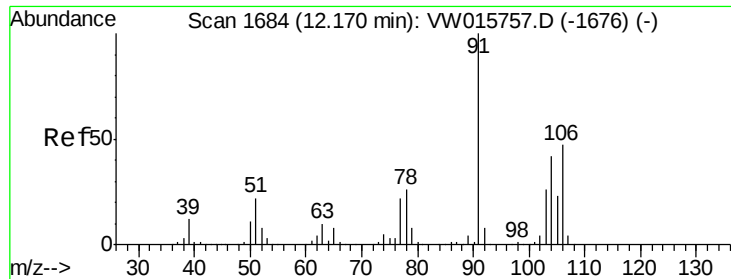
Tgt Ion: 106 Resp: 21437

Ion Ratio Lower Upper

106 100

91 201.6 141.5 262.9

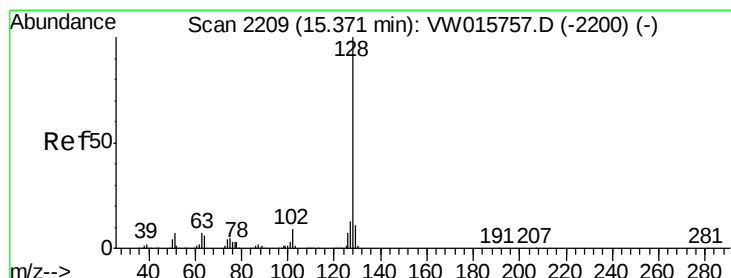
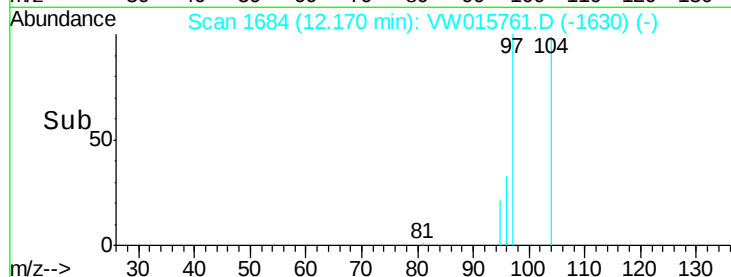
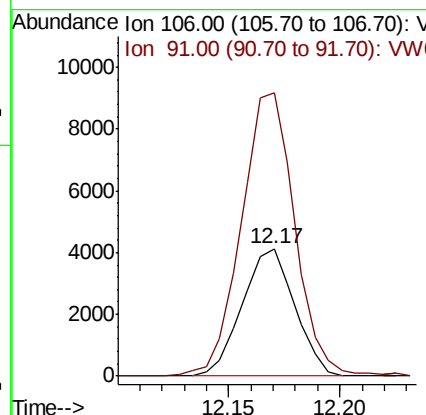
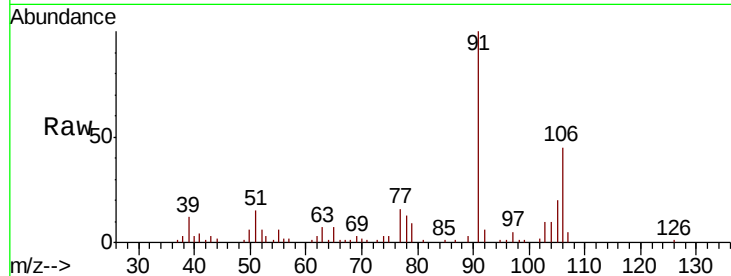




#55
o-xylene
Concen: 1.016 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW015761.D
Acq: 29 Jun 2020 14:35

Instrument :
MSVOA_W
ClientSampled :
BG2L8

Tot Ion:106 Resp: 6803
Ion Ratio Lower Upper
106 100
91 221.4 151.3 280.9



#69
Naphthalene
Concen: 0.528 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW015761.D
Acq: 29 Jun 2020 14:35

Tgt Ion:128 Resp: 4150
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 12.8 10.6 16.0

