

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072320\
 Data File : VW015932.D
 Acq On : 23 Jul 2020 19:25
 Operator : SY/VA
 Sample : L3395-04
 Misc : 5.82G/10ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 07:04:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 06:59:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	414568	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	384675	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	167883	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123084	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.16%
7) Chloroethane-d5	2.90	69	96788	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.48%
10) 1,1-Dichloroethene-d2	4.17	63	99	0.01	ug/L	0.15
Spiked Amount	25.000	Range	45 - 110	Recovery	=	0.04%#
20) 2-Butanone-d5	7.09	46	80636	52.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.96%
24) Chloroform-d	7.65	84	234717	20.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.64%
26) 1,2-Dichloroethane-d4	8.31	65	133399	20.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.48%
29) Benzene-d6	8.28	84	466021	19.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.60%
33) 1,2-Dichloropropane-d6	9.28	67	161041	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.76%
37) Toluene-d8	10.32	98	415550	19.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.36%
38) trans-1,3-Dichloropropene-	10.58	79	65718	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.84%
39) 2-Hexanone-d5	10.93	63	70697	60.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.98%
48) 1,1,2,2-Tetrachloroethane-	12.76	84	264732	49.06	ug/L	0.06
Spiked Amount	25.000	Range	45 - 120	Recovery	=	196.24%#
61) 1,2-Dichlorobenzene-d4	13.86	152	145124	22.17	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.68%

Target Compounds

					Ovalue
13) Acetone	4.12	43	79773	61.818	ug/L 77
14) Carbon disulfide	4.38	76	34892	2.073	ug/L 100
21) 2-Butanone	7.18	43	59660	37.387	ug/L # 53
25) Chloroform	7.70	83	3774	0.367	ug/L # 1
27) 1,2-Dichloroethane	8.27	62	2814	0.402	ug/L 96
36) Methylcyclohexane	9.30	83	225221	21.237	ug/L # 1
40) 1,2-Dichloropropane	9.39	63	21299	3.680	ug/L # 86
41) Bromodichloromethane	9.62	83	110972	14.846	ug/L # 58
43) 4-Methyl-2-pentanone	10.26	43	4447907	1316.599	ug/L # 79
44) Toluene	10.39	91	7670	0.313	ug/L 88
46) 1,1,2-Trichloroethane	10.82	97	25881	6.218	ug/L # 1
49) 2-Hexanone	10.94	43	1965882	820.010	ug/L # 17
50) Dibromochloromethane	11.04	129	10904	2.263	ug/L 83
51) 1,2-Dibromoethane	11.20	107	9167	2.302	ug/L # 1
53) Ethylbenzene	11.70	91	8948	0.325	ug/L # 45
58) 1,1,2,2-Tetrachloroethane	12.71	83	68595	14.035	ug/L # 1
66) 1,2-Dibromo-3-chloropropan	14.50	75	8967	12.207	ug/L # 14

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072320\
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Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 24 07:04:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 06:59:55 2020
Response via : Initial Calibration

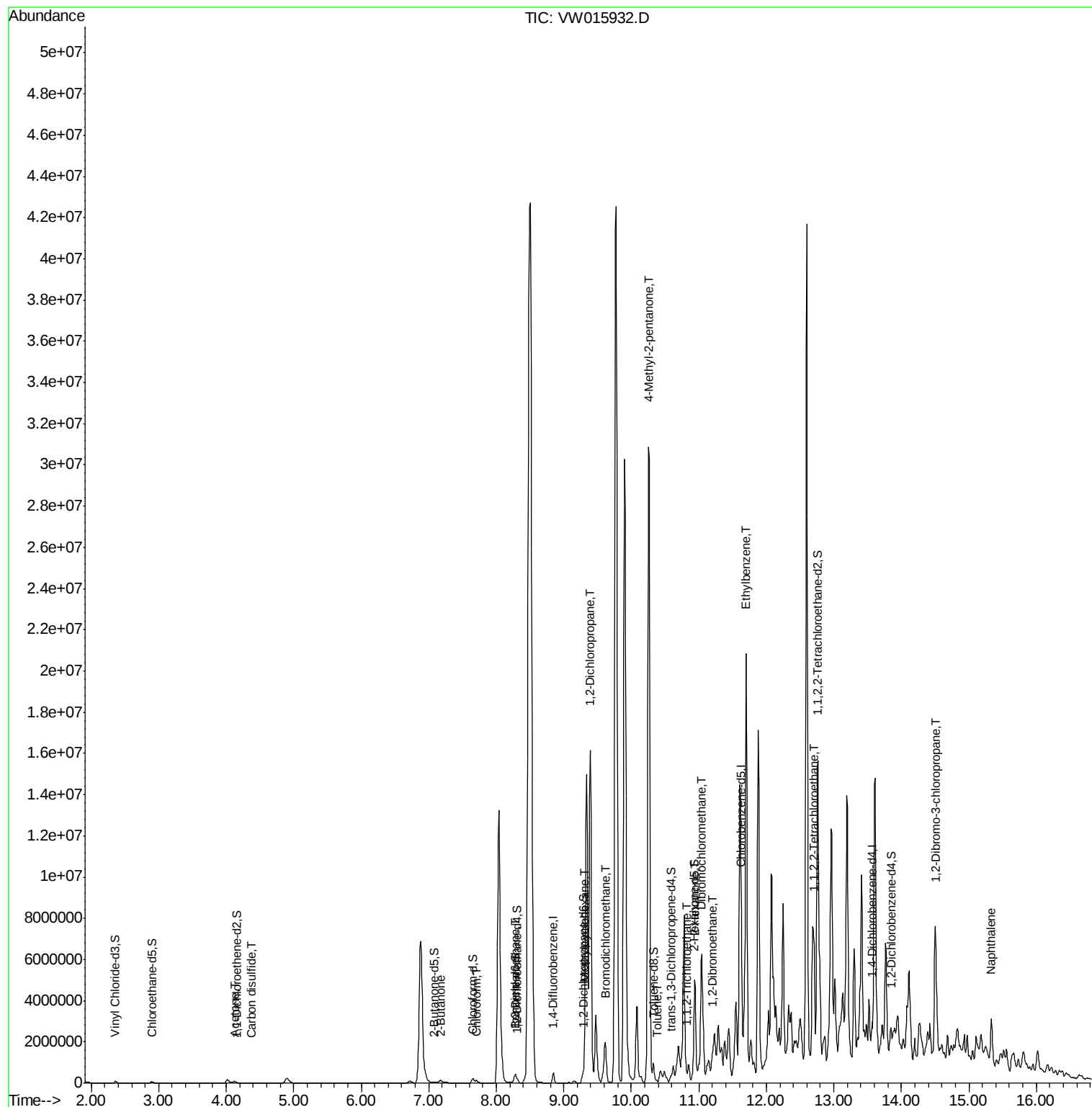
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	15.33	128	48623	4.301	ug/L #	1

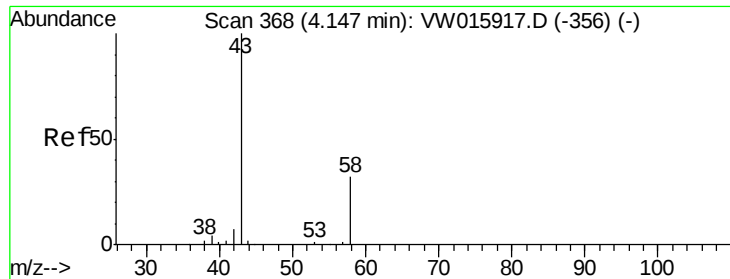
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072320\
Data File : VW015932.D
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Quant Time: Jul 24 07:04:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 24 06:59:55 2020
Response via : Initial Calibration





#13

Acetone

Concen: 61.818 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_W

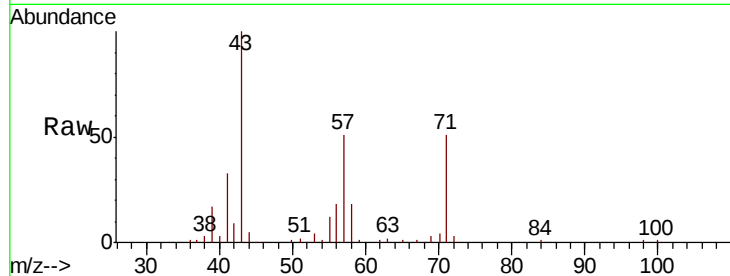
ClientSampled :

Tot Ion: 43 Resp: 79773

Ion Ratio Lower Upper

43 100

58 17.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

25000

20000

15000

10000

5000

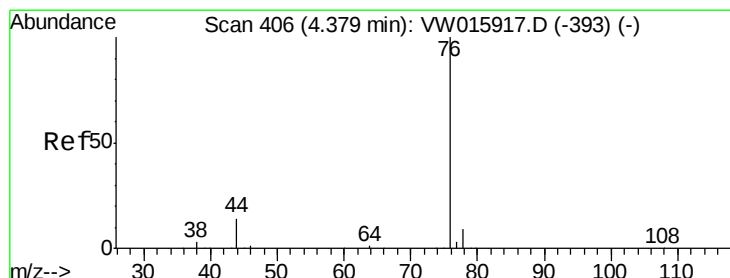
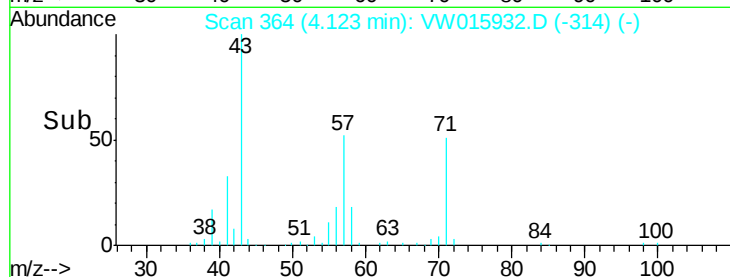
0

4.00

4.10

4.20

Time-->



#14

Carbon disulfide

Concen: 2.073 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015932.D

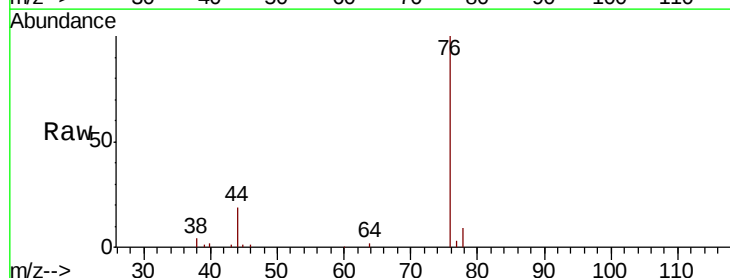
Acq: 23 Jul 2020 19:25

Tgt Ion: 76 Resp: 34892

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

12000

10000

8000

6000

4000

2000

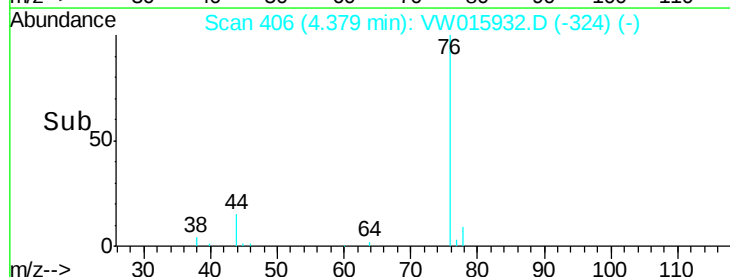
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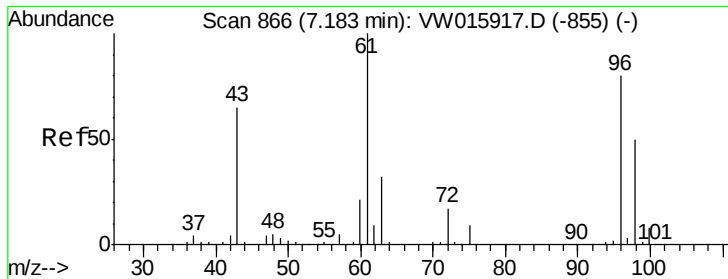
4.30

4.40

4.50

Time-->





#21

2-Butanone

Concen: 37.387 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_W

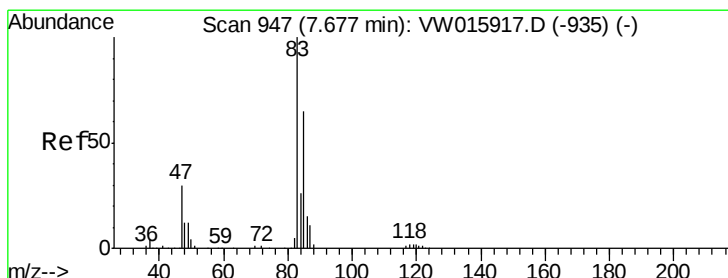
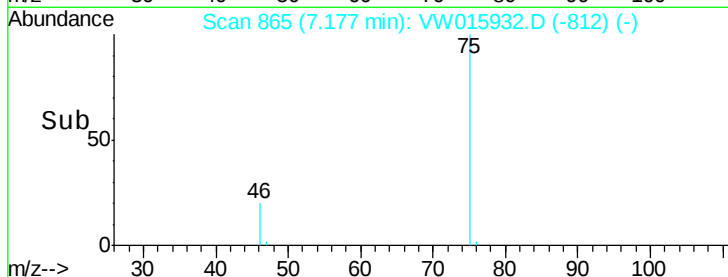
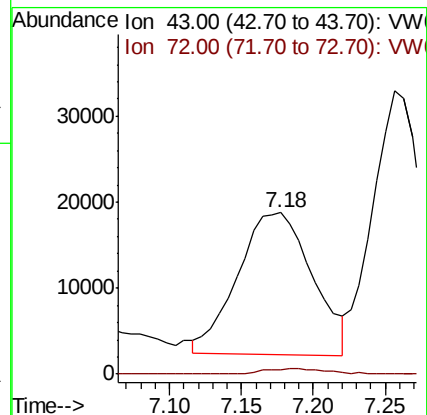
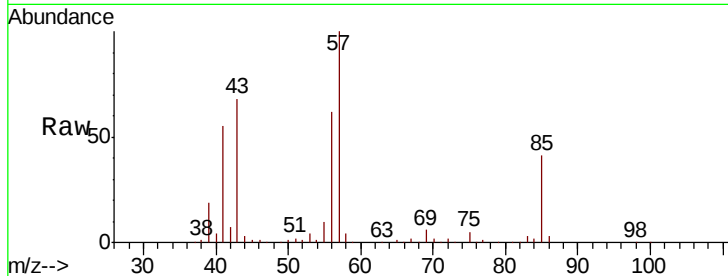
ClientSampleId :

Tot Ion: 43 Resp: 59660

Ion Ratio Lower Upper

43 100

72 3.4 13.9 41.7#



#25

Chloroform

Concen: 0.367 ug/L

RT: 7.70 min Scan# 951

Delta R.T. 0.02 min

Lab File: VW015932.D

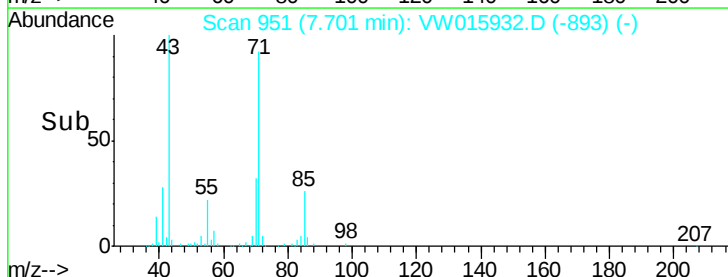
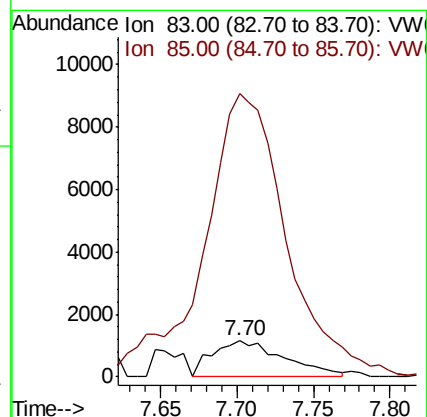
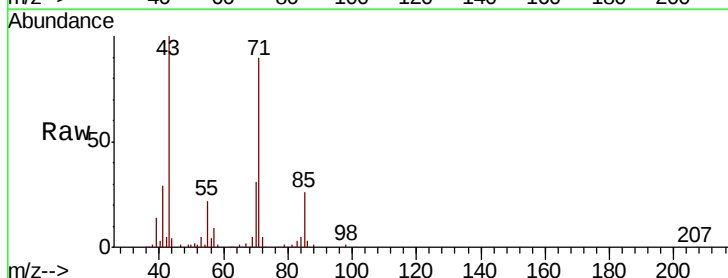
Acq: 23 Jul 2020 19:25

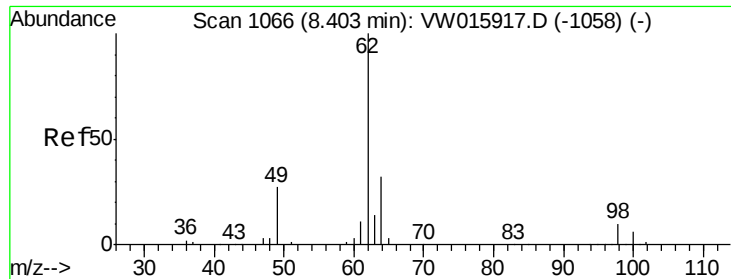
Tgt Ion: 83 Resp: 3774

Ion Ratio Lower Upper

83 100

85 844.6 46.5 86.5#

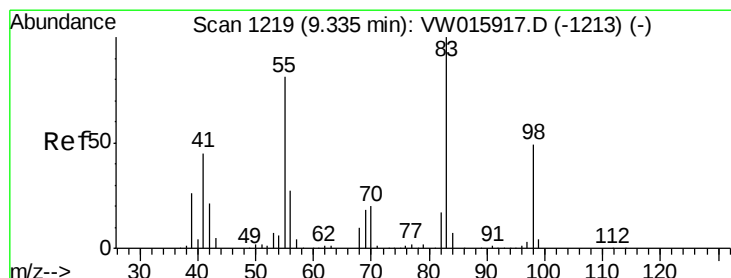
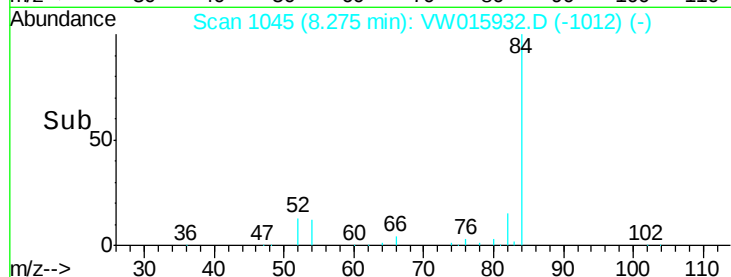
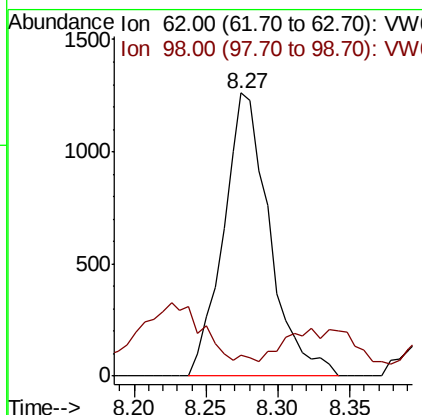
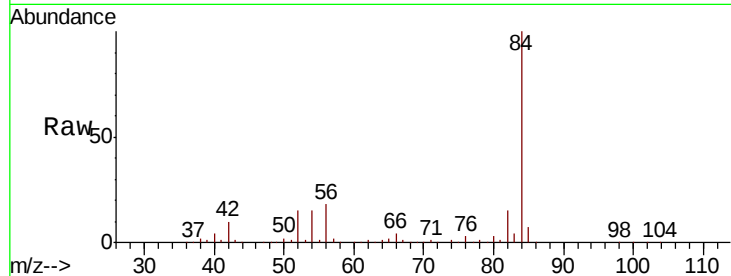




#27
 1,2-Dichloroethane
 Concen: 0.402 ug/L
 RT: 8.27 min Scan# 1045
 Delta R.T. -0.13 min
 Lab File: VW015932.D
 Acq: 23 Jul 2020 19:25

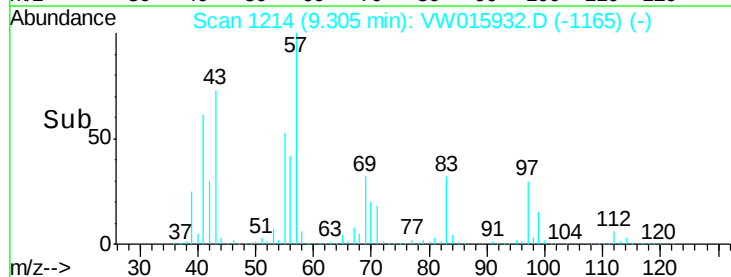
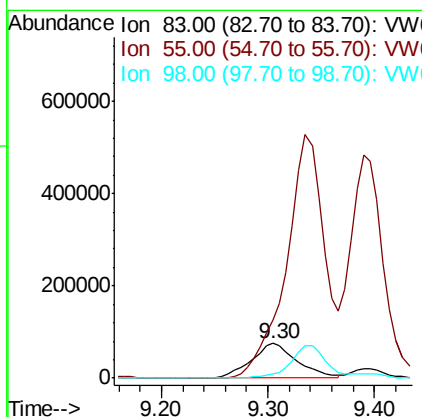
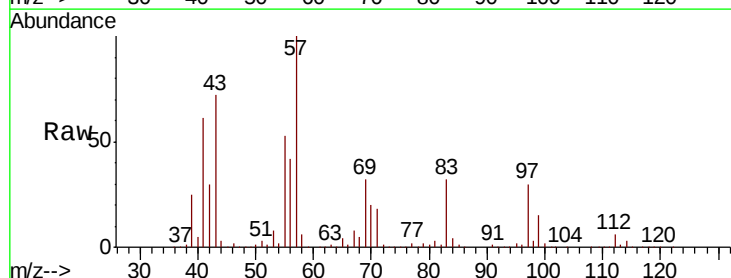
Instrument :
 MSVOA_W
 ClientSampled :

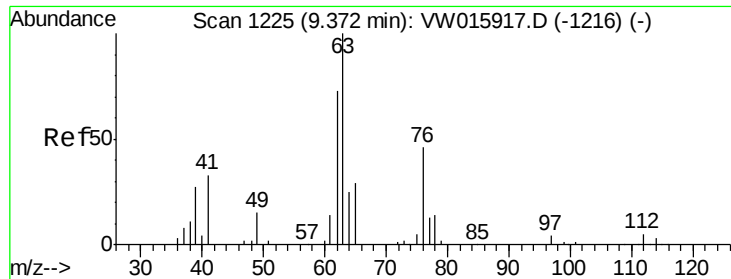
Tot Ion: 62 Resp: 2814
 Ion Ratio Lower Upper
 62 100
 98 7.4 7.0 10.6



#36
 Methylcyclohexane
 Concen: 21.237 ug/L
 RT: 9.30 min Scan# 1214
 Delta R.T. -0.03 min
 Lab File: VW015932.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 83 Resp: 225221
 Ion Ratio Lower Upper
 83 100
 55 575.9 63.5 95.3#
 98 71.8 39.0 58.4#





#40

1,2-Dichloropropane

Concen: 3.680 ug/L

RT: 9.39 min Scan# 1228

Delta R.T. 0.02 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_W

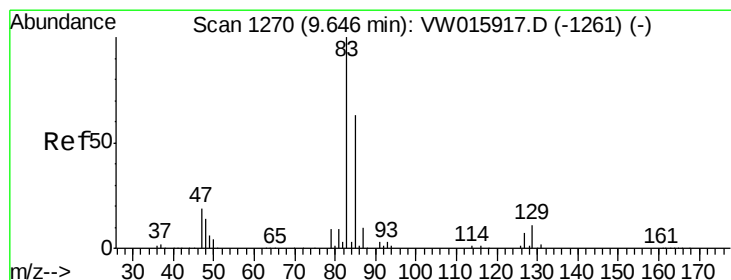
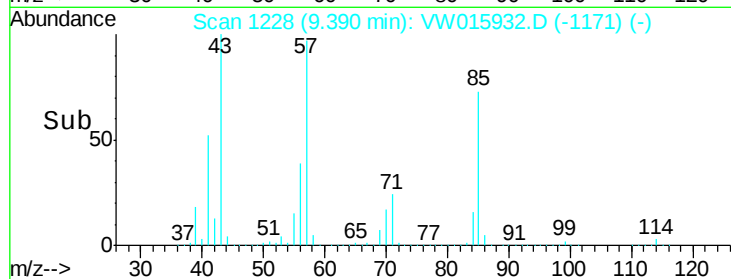
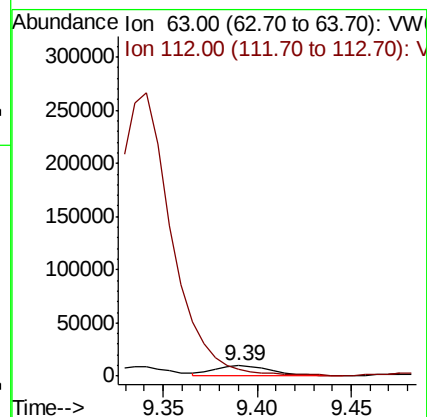
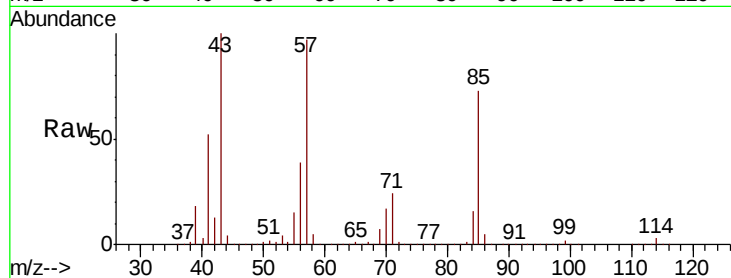
ClientSampled :

Tot Ion: 63 Resp: 21299

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#41

Bromodichloromethane

Concen: 14.846 ug/L

RT: 9.62 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

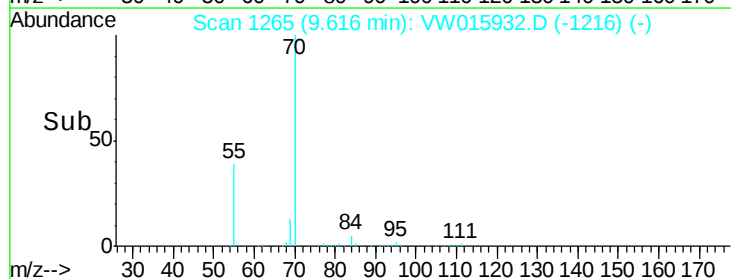
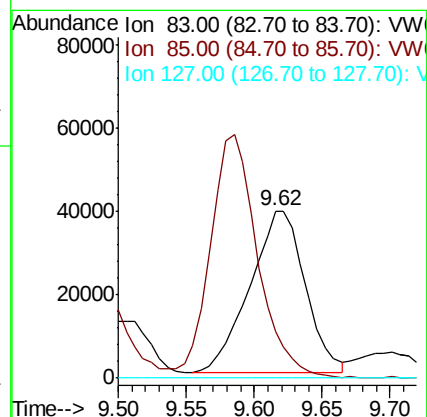
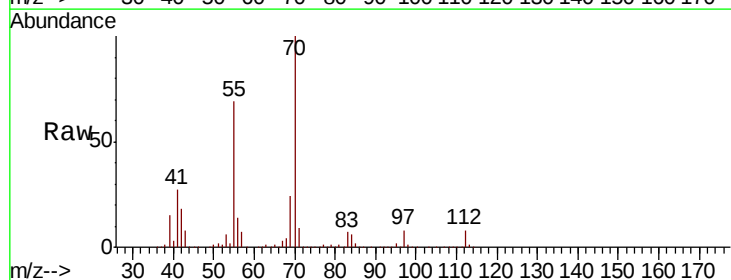
Tgt Ion: 83 Resp: 110972

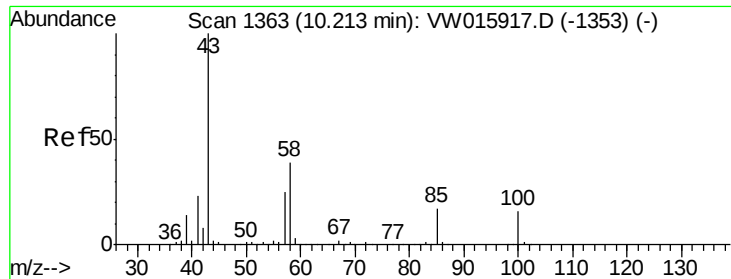
Ion Ratio Lower Upper

83 100

85 28.1 43.7 81.1#

127 0.0 6.5 9.7#

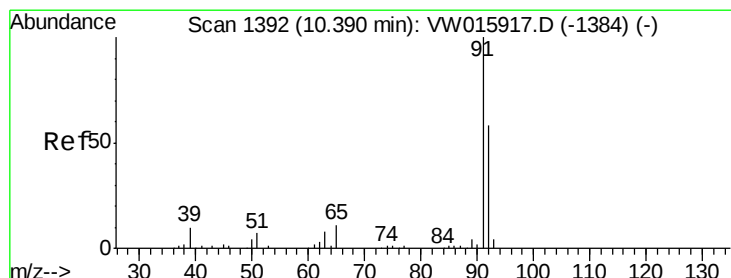
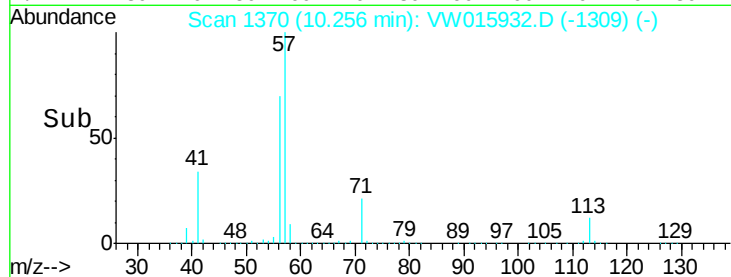
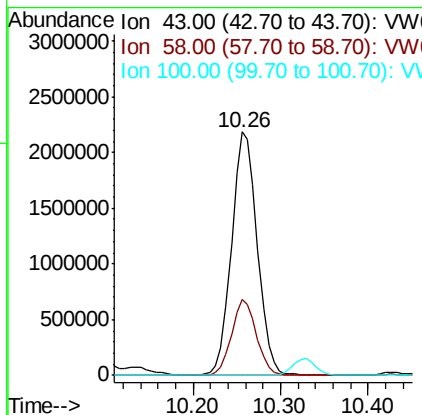
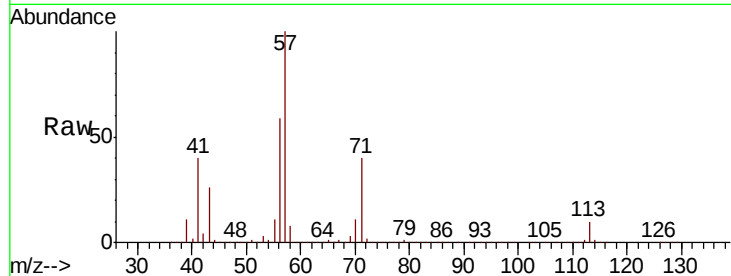




#43
4-Methyl-2-pentanone
Concen: 1316.599 ug/L
RT: 10.26 min Scan# 1370
Delta R.T. 0.04 min
Lab File: VW015932.D
Acq: 23 Jul 2020 19:25

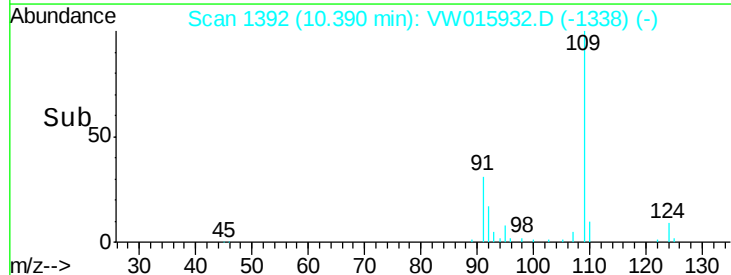
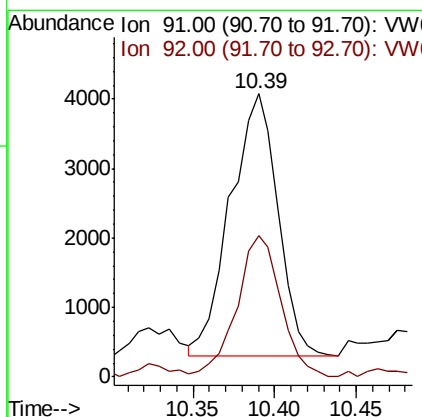
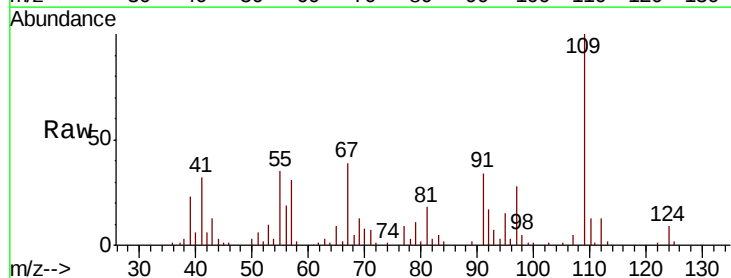
Instrument :
MSVOA_W
ClientSampleId :

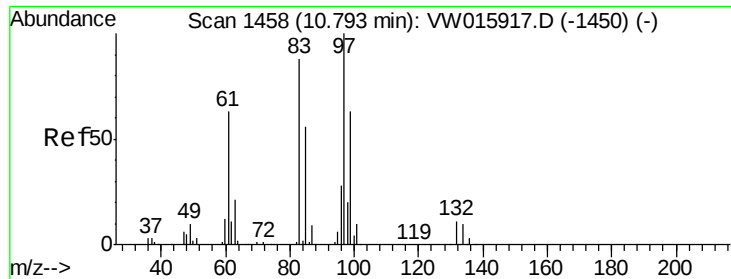
Tot Ion: 43 Resp: 4447907
Ion Ratio Lower Upper
43 100
58 30.2 31.0 46.4#
100 0.0 12.6 19.0#



#44
Toluene
Concen: 0.313 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW015932.D
Acq: 23 Jul 2020 19:25

Tgt Ion: 91 Resp: 7670
Ion Ratio Lower Upper
91 100
92 49.9 41.2 76.4

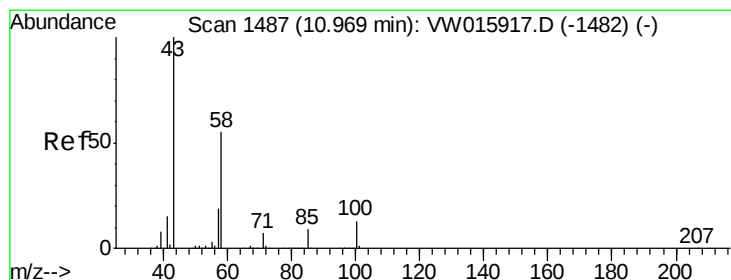
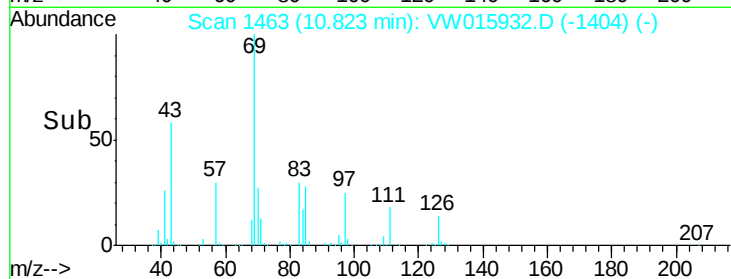
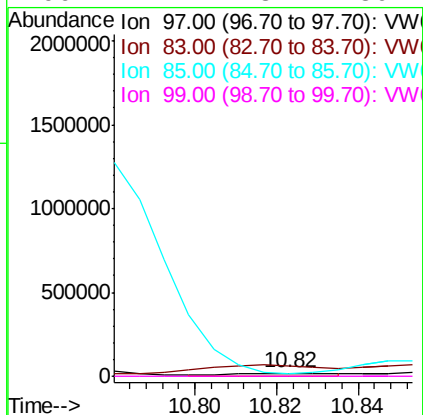
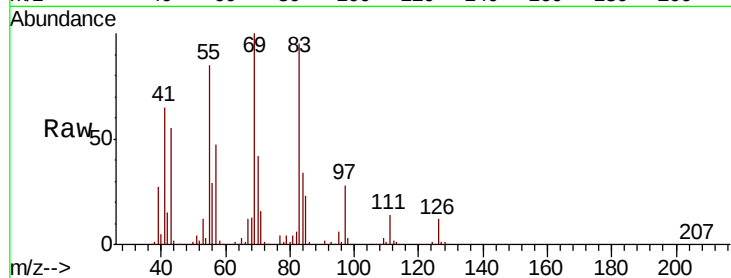




#46
 1,1,2-Trichloroethane
 Concen: 6.218 ug/L
 RT: 10.82 min Scan# 1463
 Delta R.T. 0.03 min
 Lab File: VW015932.D
 Acq: 23 Jul 2020 19:25

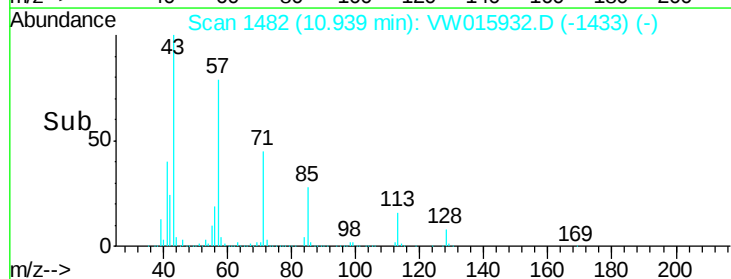
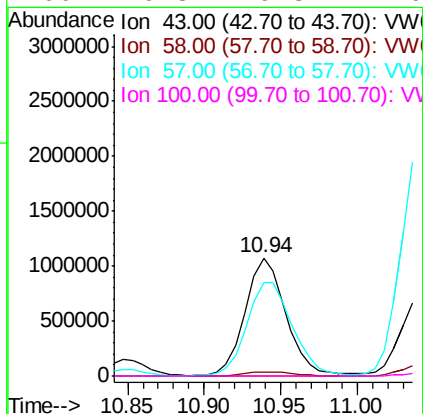
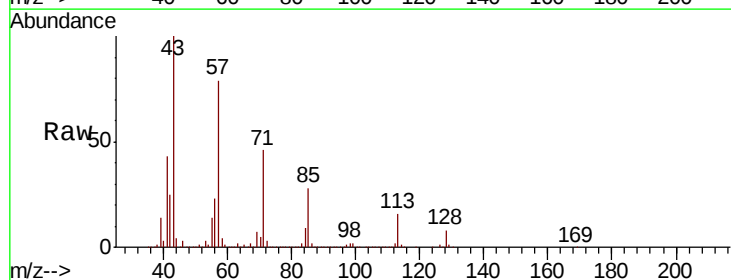
Instrument :
 MSVOA_W
 ClientSampleId :

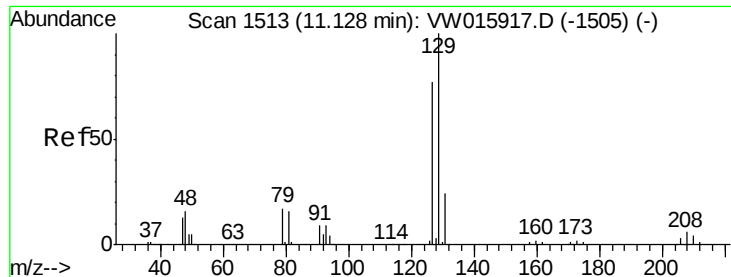
Tot Ion: 97 Resp: 25881
 Ion Ratio Lower Upper
 97 100
 83 337.9 60.6 112.6#
 85 80.8 38.9 72.2#
 99 1.1 43.1 80.1#



#49
 2-Hexanone
 Concen: 820.010 ug/L
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW015932.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 43 Resp: 1965882
 Ion Ratio Lower Upper
 43 100
 58 4.1 42.4 63.6#
 57 89.0 15.6 23.4#
 100 0.3 9.8 14.6#





#50

Dibromochloromethane

Concen: 2.263 ug/L

RT: 11.04 min Scan# 1499

Delta R.T. -0.09 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_W

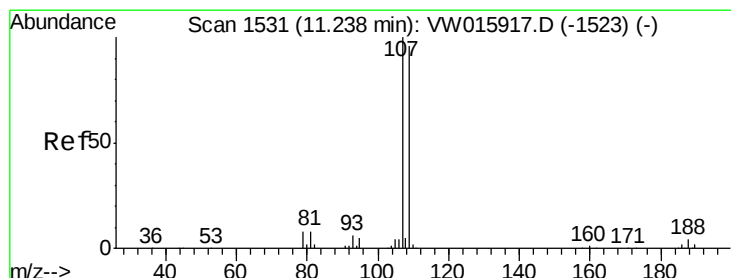
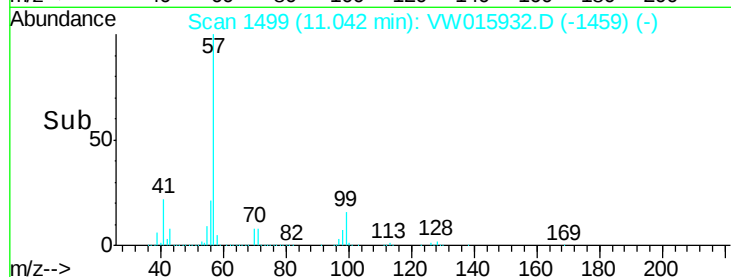
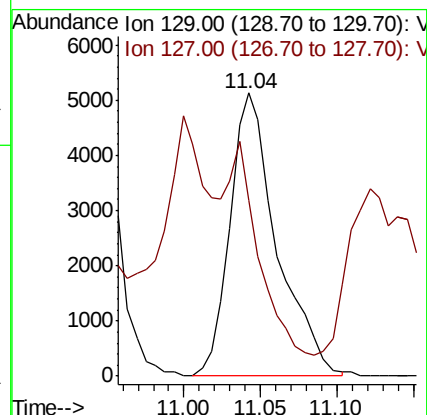
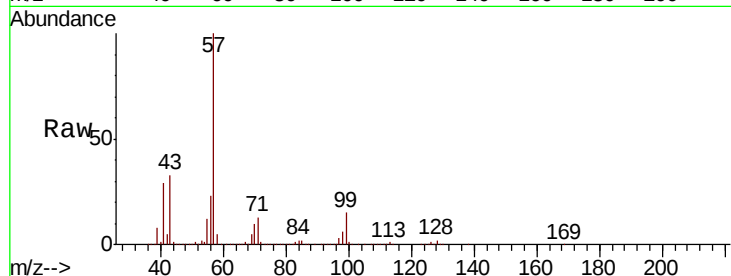
ClientSampled :

Tot Ion:129 Resp: 10904

Ion Ratio Lower Upper

129 100

127 61.9 53.8 100.0



#51

1,2-Dibromoethane

Concen: 2.302 ug/L

RT: 11.20 min Scan# 1525

Delta R.T. -0.04 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

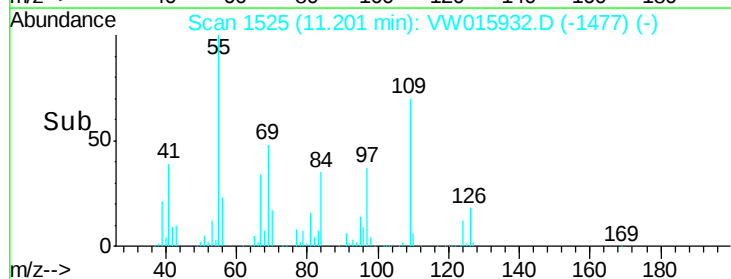
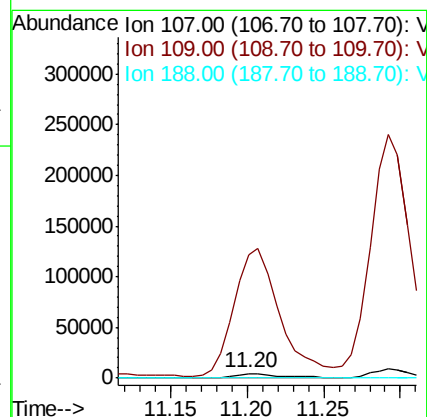
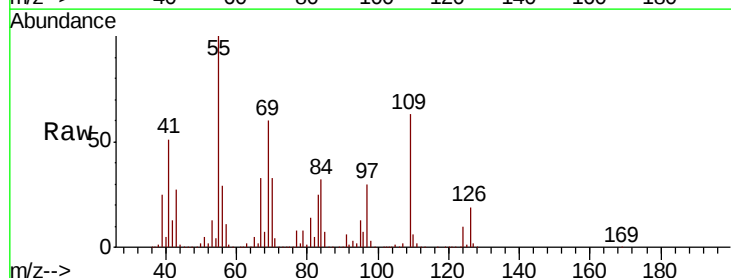
Tgt Ion:107 Resp: 9167

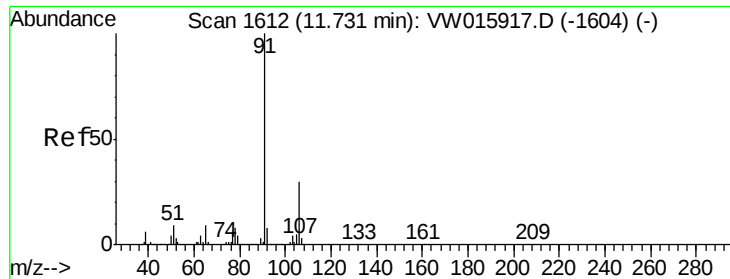
Ion Ratio Lower Upper

107 100

109 2919.2 66.9 124.3#

188 0.0 3.2 4.8#





#53

Ethylbenzene

Concen: 0.325 ug/L

RT: 11.70 min Scan# 1607

Delta R.T. -0.03 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

Instrument :

MSVOA_W

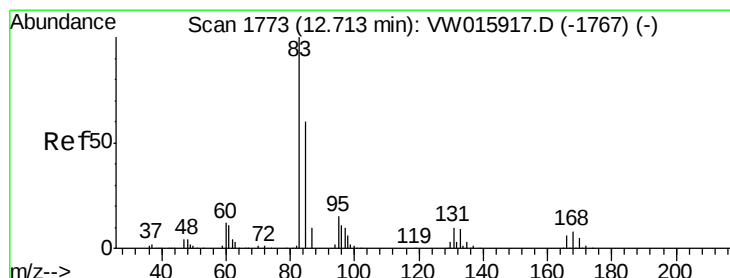
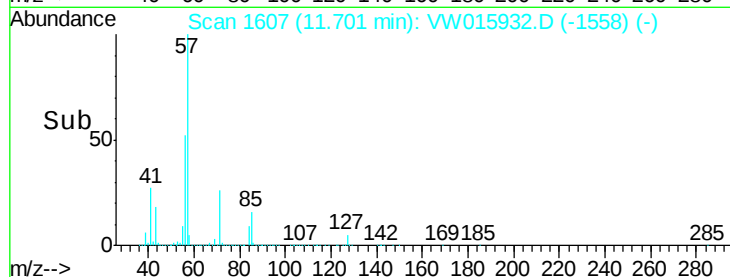
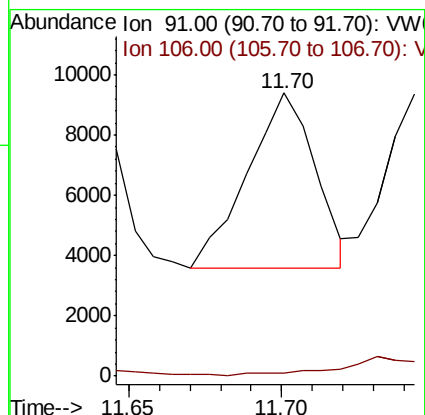
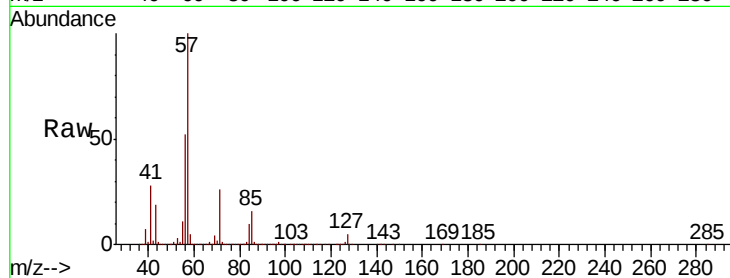
ClientSampleId :

Tot Ion: 91 Resp: 8948

Ion Ratio Lower Upper

91 100

106 1.3 22.4 41.6#



#58

1,1,2,2-Tetrachloroethane

Concen: 14.035 ug/L

RT: 12.71 min Scan# 1772

Delta R.T. -0.01 min

Lab File: VW015932.D

Acq: 23 Jul 2020 19:25

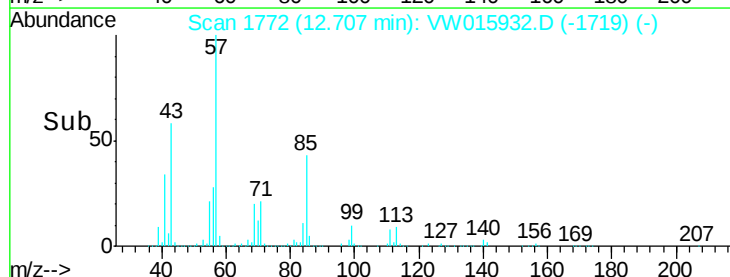
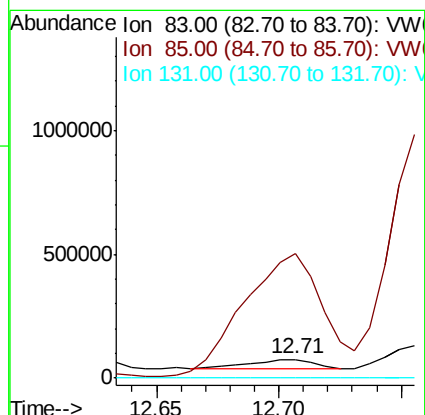
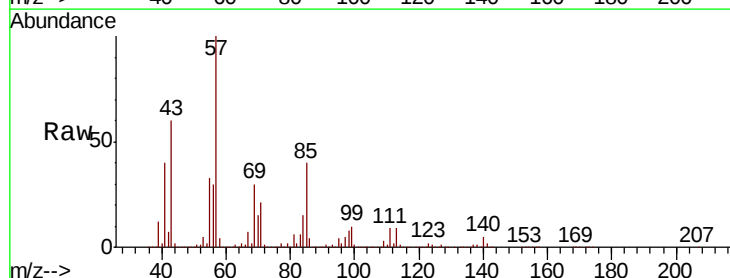
Tgt Ion: 83 Resp: 68595

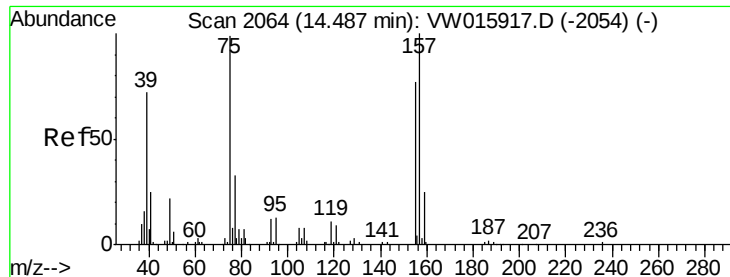
Ion Ratio Lower Upper

83 100

85 670.8 45.1 83.7#

131 0.5 8.2 12.4#

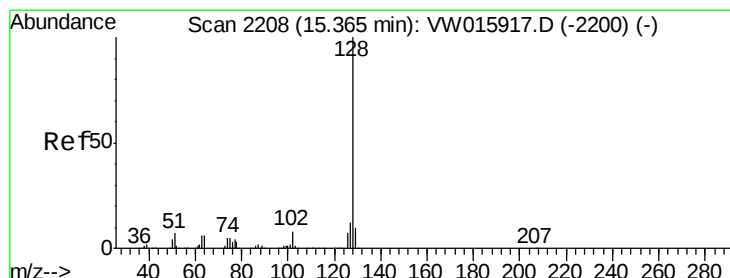
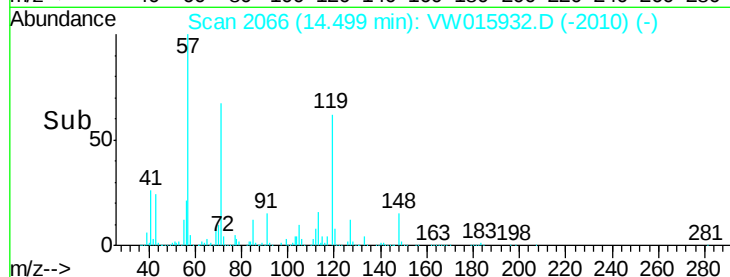
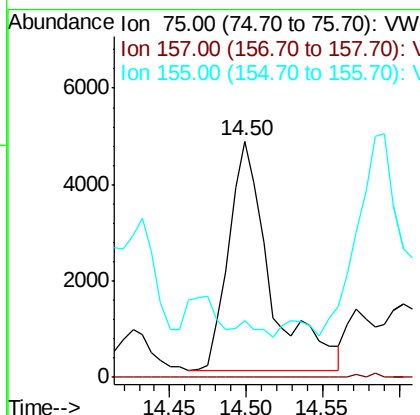
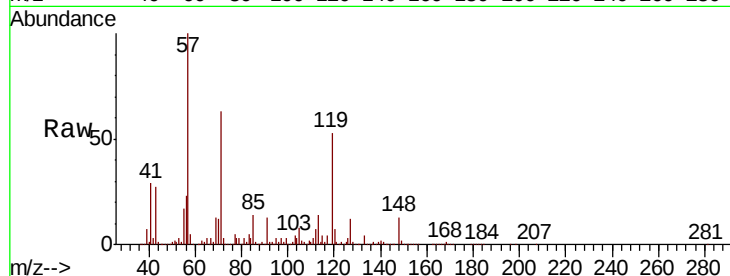




#66
 1,2-Dibromo-3-chloropropane
 Concen: 12.207 ug/L
 RT: 14.50 min Scan# 2066
 Delta R.T. 0.01 min
 Lab File: VW015932.D
 Acq: 23 Jul 2020 19:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 75 Resp: 8967
 Ion Ratio Lower Upper
 75 100
 157 0.0 83.0 124.4#
 155 23.8 66.9 100.3#



#69
 Naphthalene
 Concen: 4.301 ug/L
 RT: 15.33 min Scan# 2203
 Delta R.T. -0.03 min
 Lab File: VW015932.D
 Acq: 23 Jul 2020 19:25

Tgt Ion: 128 Resp: 48623
 Ion Ratio Lower Upper
 128 100
 129 76.8 8.6 12.8#
 127 147.9 10.5 15.7#

