

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082823\
 Data File : VW026938.D
 Acq On : 28 Aug 2023 13:58
 Operator : SY/MD
 Sample : 04175-10RE
 Misc : 5.63g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 22:27:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 26 05:14:45 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	74971	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	64964	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	21725	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.350	65	16548	13.427	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.720%
7) Chloroethane-d5	2.881	69	16329	17.818	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.280%
11) 1,1-Dichloroethene-d2	4.015	65	10357	17.086	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.360%
21) 2-Butanone-d5	7.081	46	21255	60.004	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.000%
24) Chloroform-d	7.648	84	59608	23.689	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.760%
26) 1,2-Dichloroethane-d4	8.045	65	187	0.135	ug/L	-0.26
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.520%#
32) Benzene-d6	8.276	84	97444	21.764	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.040%
36) 1,2-Dichloropropane-d6	9.270	67	34821	24.968	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.880%
41) Toluene-d8	10.325	98	74696	19.435	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.760%
43) trans-1,3-Dichloroprop...	10.581	79	12520	21.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.960%
47) 2-Hexanone-d5	10.922	63	9291	63.401	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.800%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	30467	27.663	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.640%
66) 1,2-Dichlorobenzene-d4	13.848	152	18265	23.489	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.960%
Target Compounds					Qvalue	
13) Acetone	4.125	43	19090	54.201	ug/L	96
14) Carbon disulfide	4.387	76	36173	9.074	ug/L	99
16) Methylene chloride	4.917	84	8718	6.011	ug/L	95
29) Cyclohexane	7.935	56	4104	2.043	ug/L #	23
33) Benzene	8.319	78	3088	0.653	ug/L	100
35) Methylcyclohexane	9.331	83	16704	8.104	ug/L #	80
42) Toluene	10.392	91	3667	0.766	ug/L	91
45) 1,1,2-Trichloroethane	10.758	97	5607	6.327	ug/L #	24
51) Chlorobenzene	11.654	112	48324	15.986	ug/L	90
52) Ethylbenzene	11.727	91	67449	12.568	ug/L	100
53) m,p-Xylene	11.843	106	9390	4.723	ug/L	87
54) o-Xylene	12.160	106	2839	1.530	ug/L	92
60) Isopropylbenzene	13.099	105	20163	6.242	ug/L	94
63) 1,2,4-Trimethylbenzene	13.245	105	147539	58.974	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.446	75	1762	13.869	ug/L #	17
71) Naphthalene	15.354	128	22010	14.340	ug/L #	96

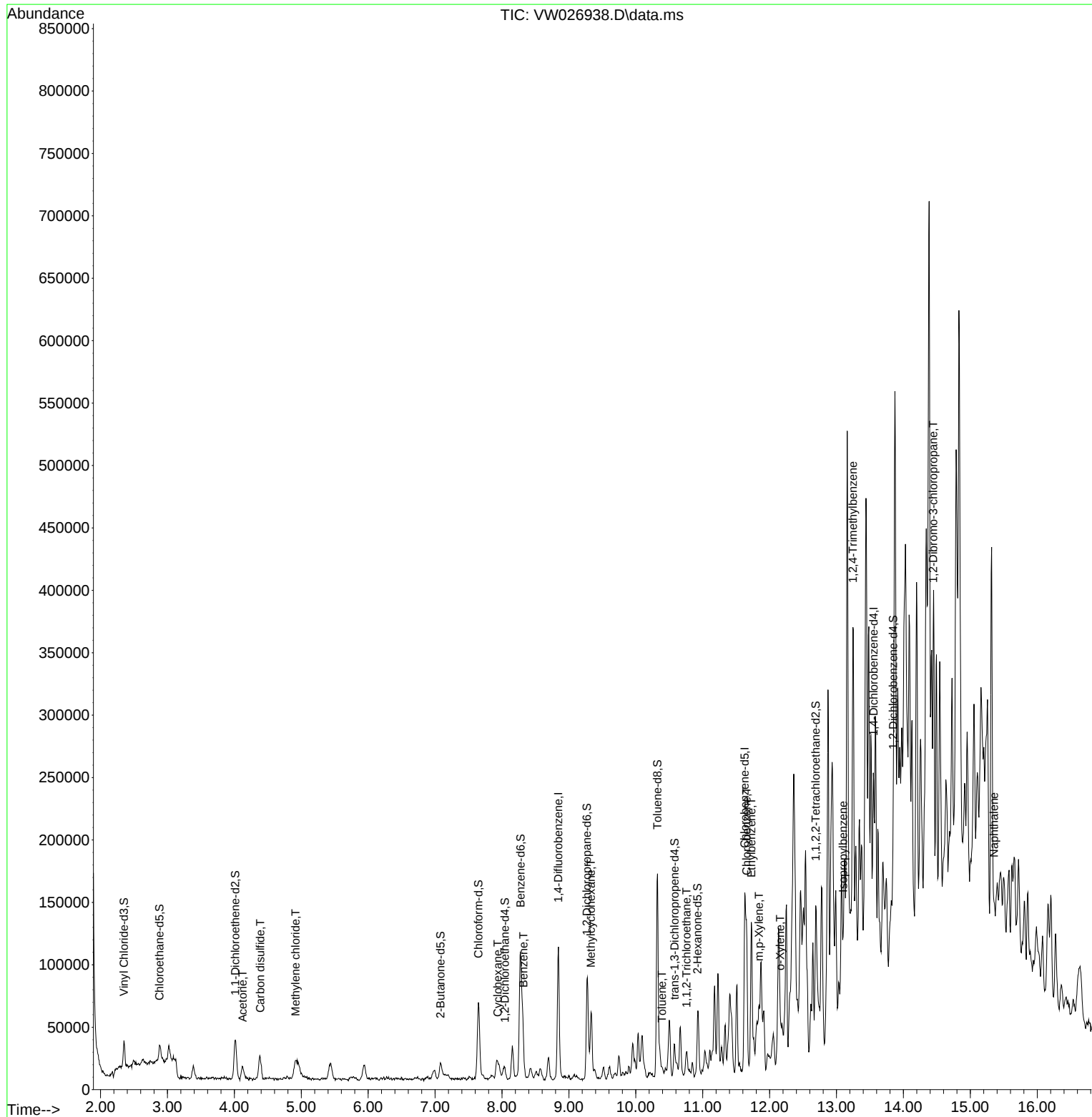
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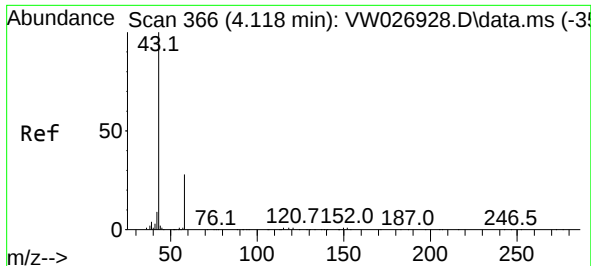
Instrument :
MSVOA_W
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
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Response via : Initial Calibration

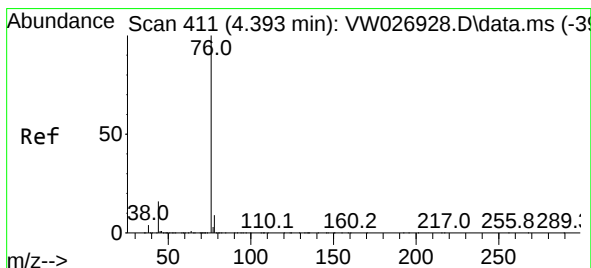
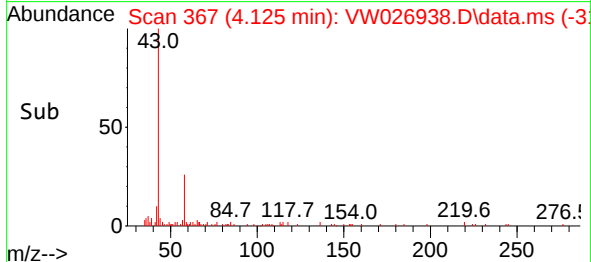
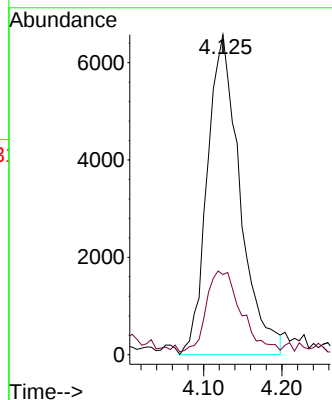
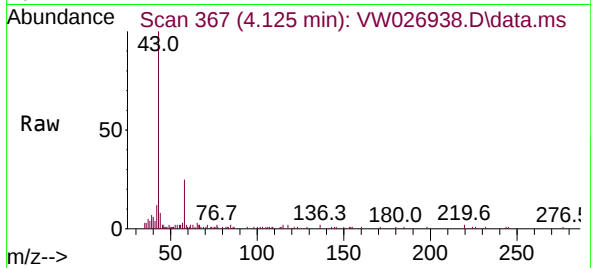




#13
Acetone
Concen: 54.201 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.000 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

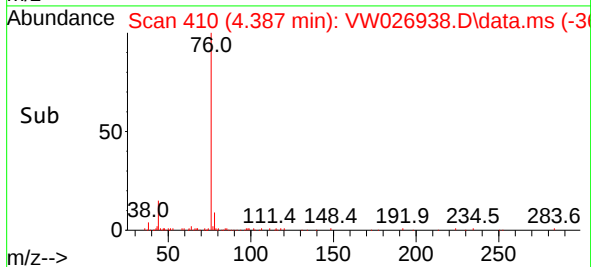
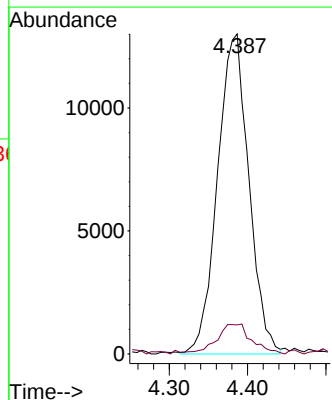
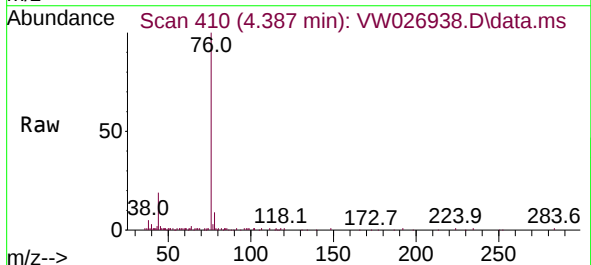
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MSVOA_W
ClientSampleId :

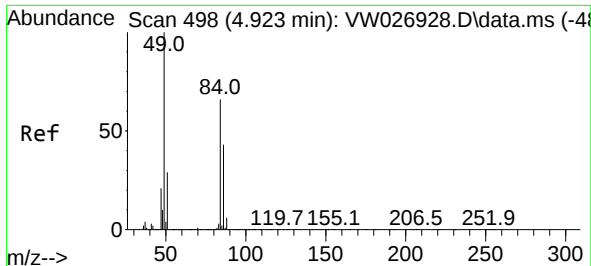
Tgt Ion: 43 Resp: 19090
Ion Ratio Lower Upper
43 100
58 26.4 0.0 57.4



#14
Carbon disulfide
Concen: 9.074 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

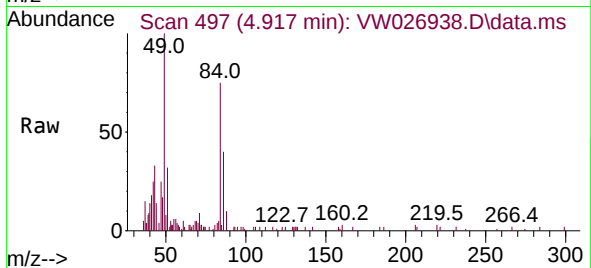
Tgt Ion: 76 Resp: 36173
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7





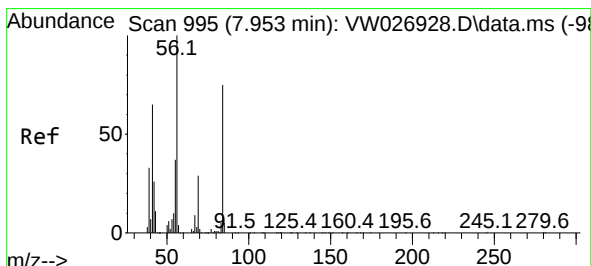
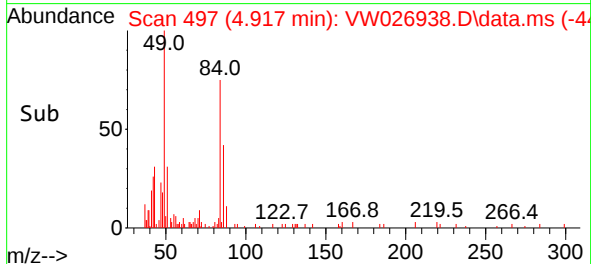
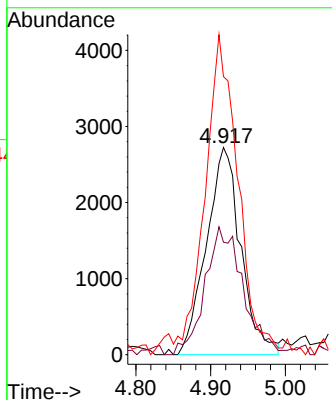
#16
Methylene chloride
Concen: 6.011 ug/L
RT: 4.917 min Scan# 49
Delta R.T. -0.006 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 8718

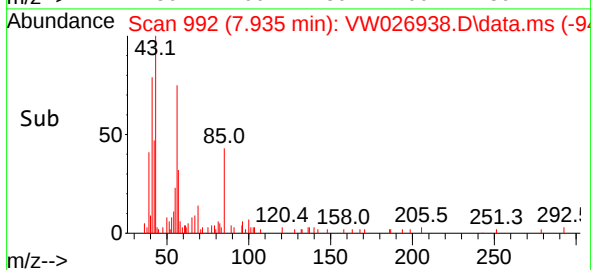
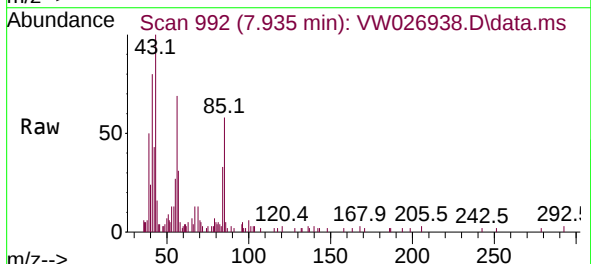
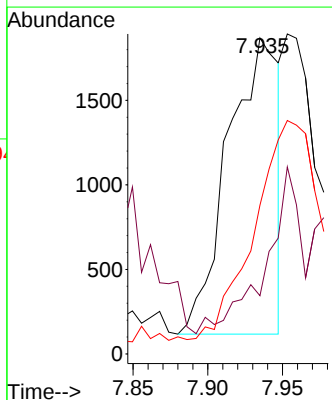
Ion	Ratio	Lower	Upper
84	100		
86	54.3	43.5	80.9
49	134.2	96.0	178.2

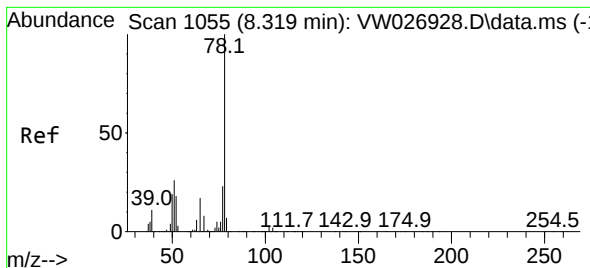


#29
Cyclohexane
Concen: 2.043 ug/L
RT: 7.935 min Scan# 992
Delta R.T. -0.018 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

Tgt Ion: 56 Resp: 4104

Ion	Ratio	Lower	Upper
56	100		
69	6.3	23.2	34.8#
84	0.0	62.7	94.1#





#33

Benzene

Concen: 0.653 ug/L

RT: 8.319 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VW026938.D

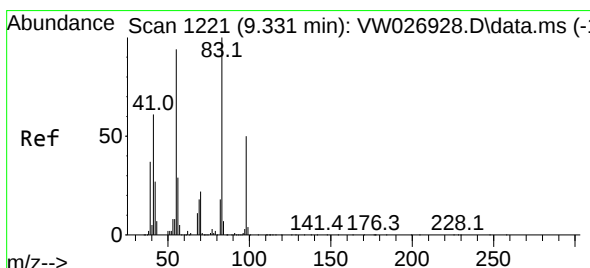
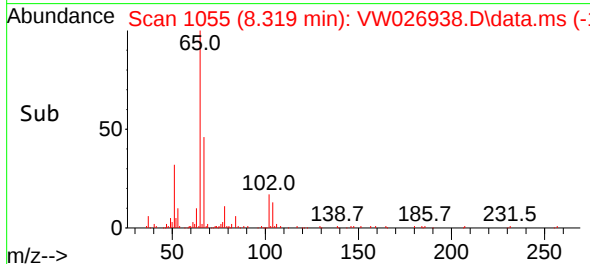
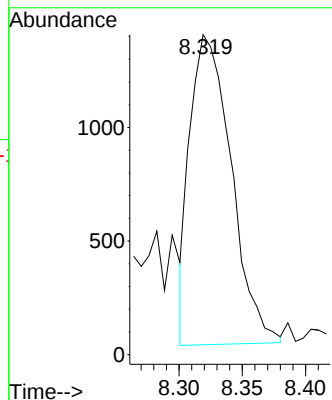
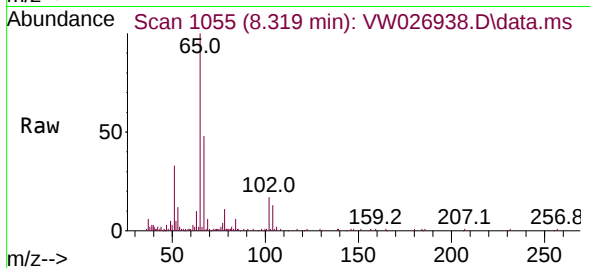
Acq: 28 Aug 2023 13:58

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 3088



#35

Methylcyclohexane

Concen: 8.104 ug/L

RT: 9.331 min Scan# 1221

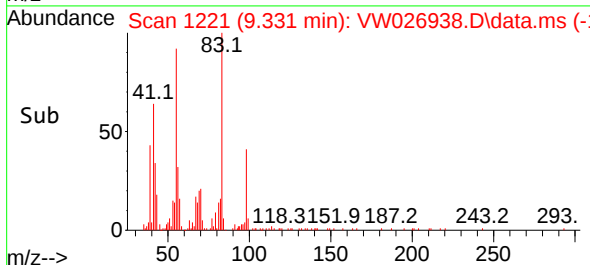
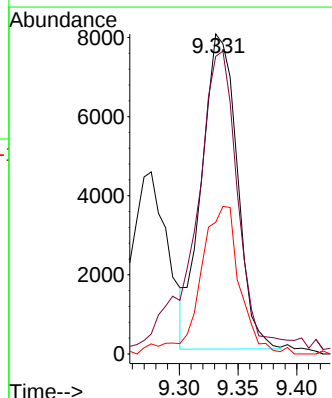
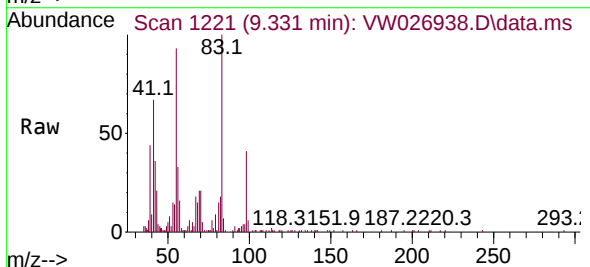
Delta R.T. -0.006 min

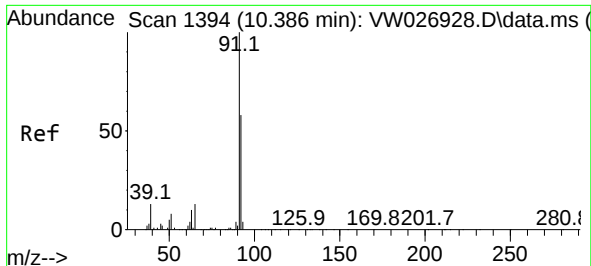
Lab File: VW026938.D

Acq: 28 Aug 2023 13:58

Tgt Ion: 83 Resp: 16704

Ion	Ratio	Lower	Upper
83	100		
55	115.1	69.3	103.9
98	47.0	37.4	56.0

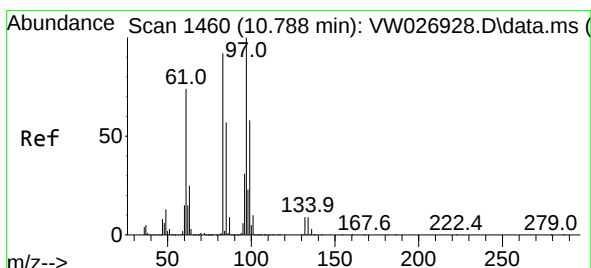
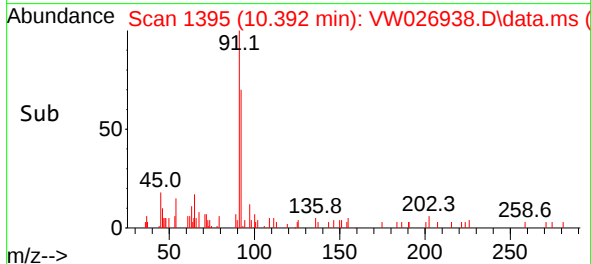
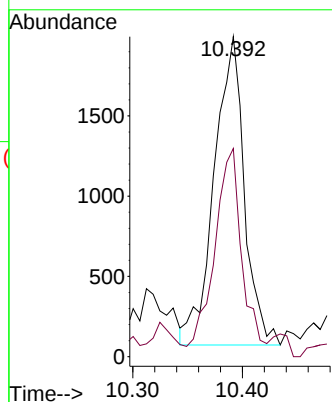
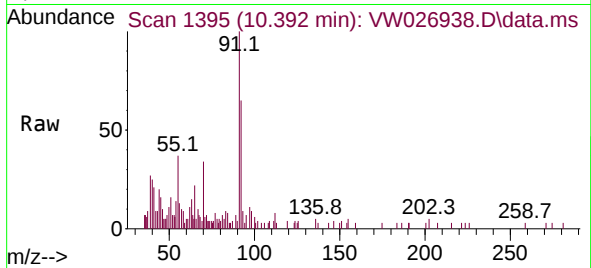




#42
Toluene
Concen: 0.766 ug/L
RT: 10.392 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

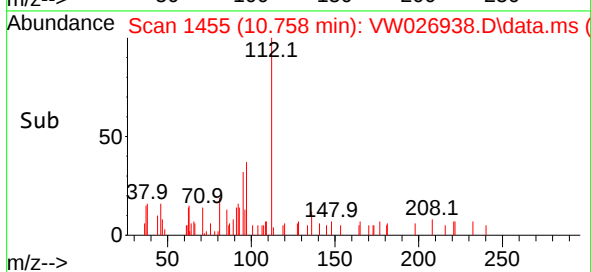
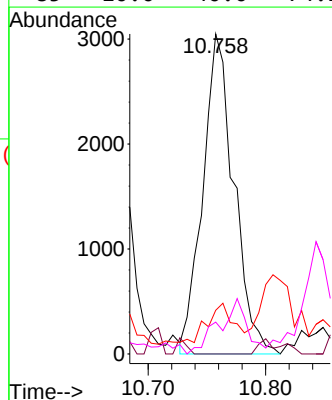
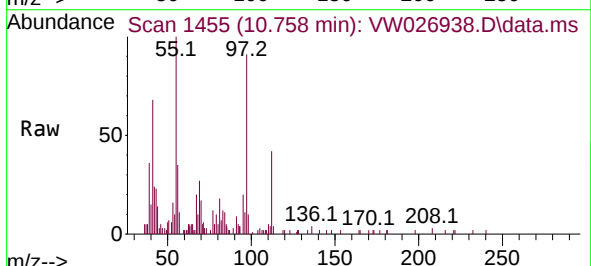
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MSVOA_W
ClientSampleId :

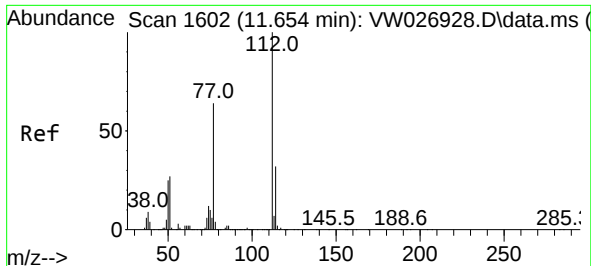
Tgt Ion: 91 Resp: 3667
Ion Ratio Lower Upper
91 100
92 65.0 40.8 75.8



#45
1,1,2-Trichloroethane
Concen: 6.327 ug/L
RT: 10.758 min Scan# 1455
Delta R.T. -0.030 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

Tgt Ion: 97 Resp: 5607
Ion Ratio Lower Upper
97 100
99 0.0 44.2 82.0#
83 13.7 61.9 114.9#
85 10.0 40.0 74.2#

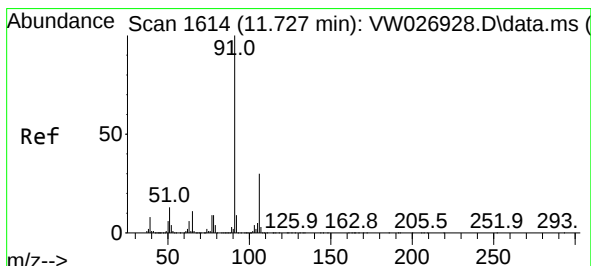
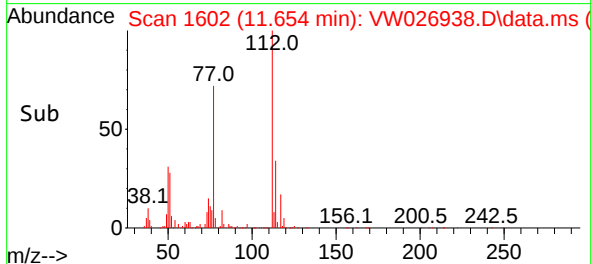
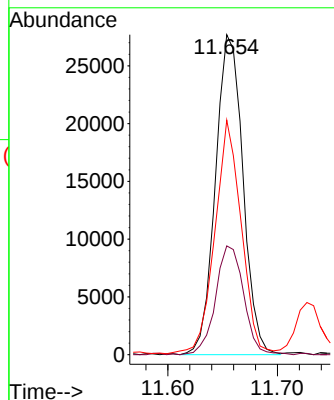
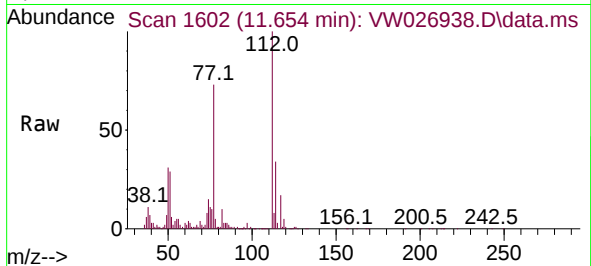




#51
Chlorobenzene
Concen: 15.986 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

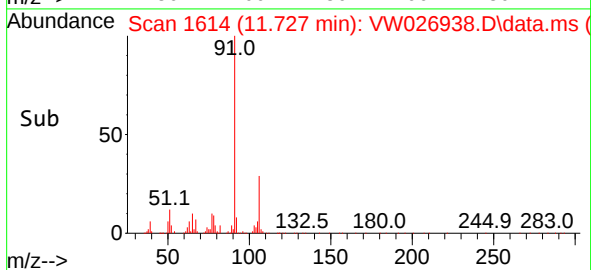
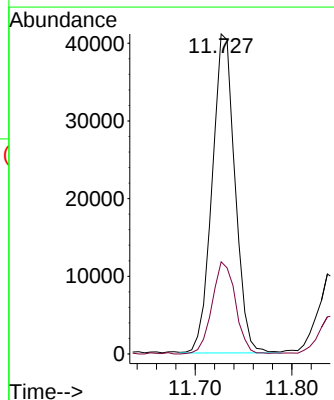
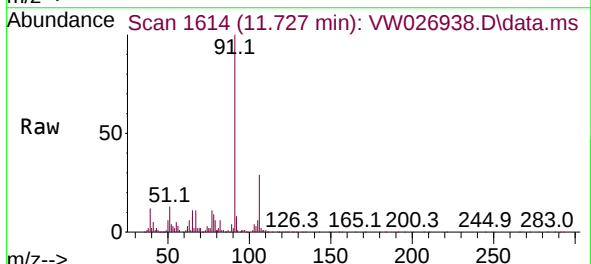
Instrument :
MSVOA_W
ClientSampleId :

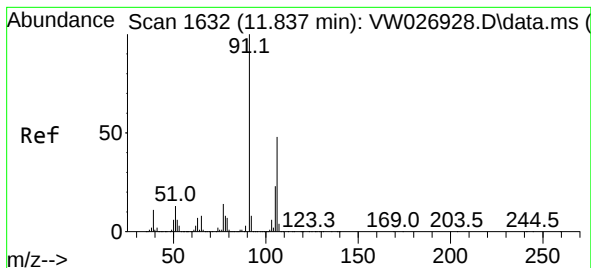
Tgt Ion:112 Resp: 48324
Ion Ratio Lower Upper
112 100
114 34.0 22.4 41.6
77 73.3 50.2 75.2



#52
Ethylbenzene
Concen: 12.568 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

Tgt Ion: 91 Resp: 67449
Ion Ratio Lower Upper
91 100
106 28.8 20.2 37.6

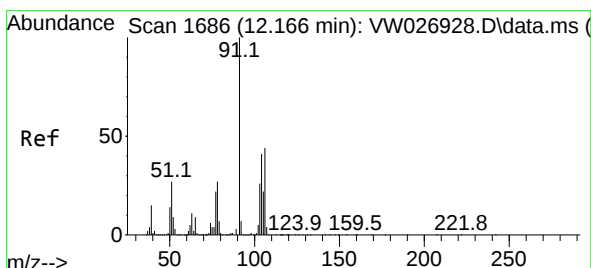
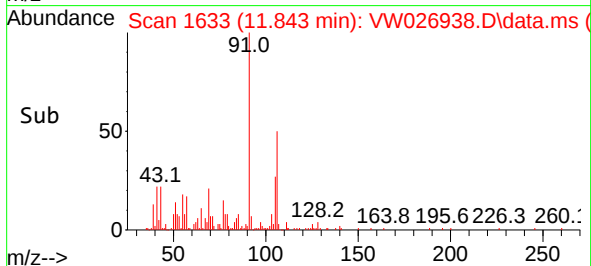
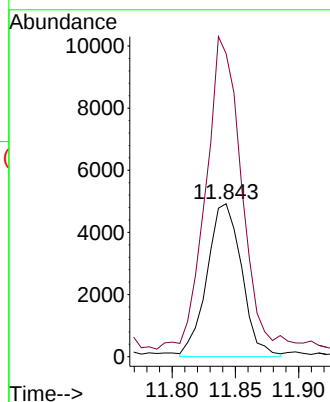
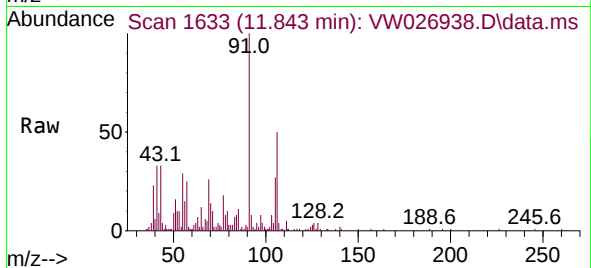




#53
m,p-Xylene
Concen: 4.723 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

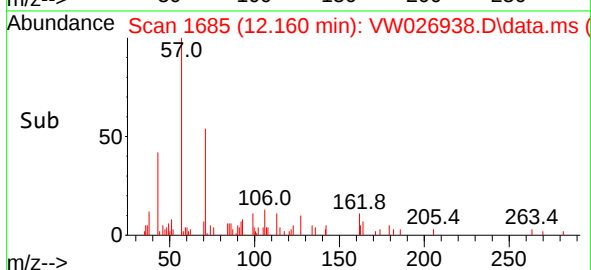
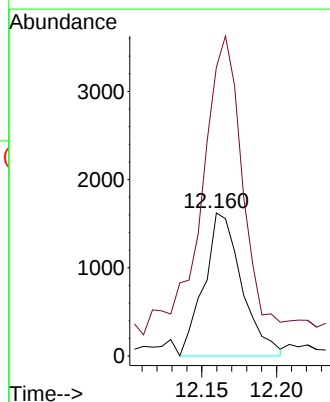
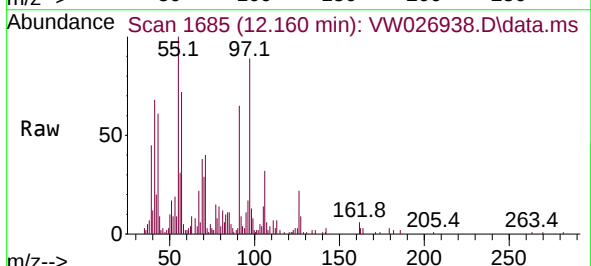
Instrument :
MSVOA_W
ClientSampleId :

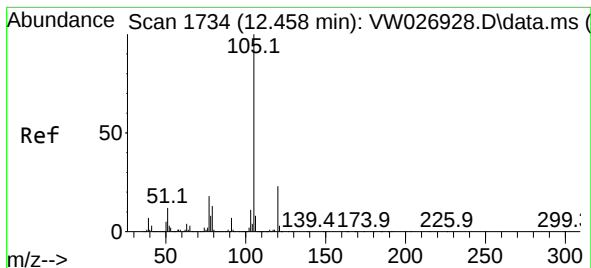
Tgt Ion:106 Resp: 9390
Ion Ratio Lower Upper
106 100
91 198.2 152.9 284.1



#54
o-Xylene
Concen: 1.530 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW026938.D
Acq: 28 Aug 2023 13:58

Tgt Ion:106 Resp: 2839
Ion Ratio Lower Upper
106 100
91 201.7 149.9 278.3





#60

Isopropylbenzene

Concen: 6.242 ug/L

RT: 13.099 min Scan# 1839

Delta R.T. 0.640 min

Lab File: VW026938.D

Acq: 28 Aug 2023 13:58

Instrument :

MSVOA_W

ClientSampleId :

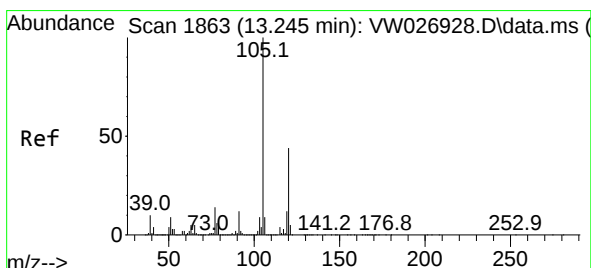
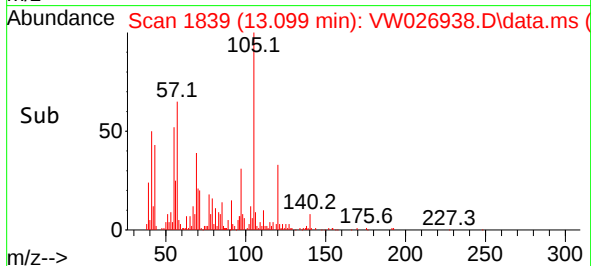
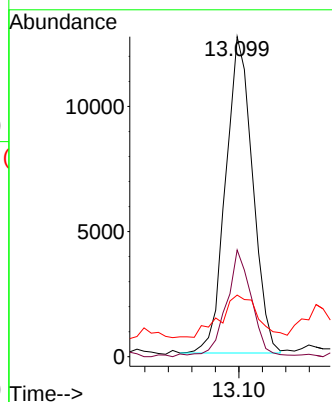
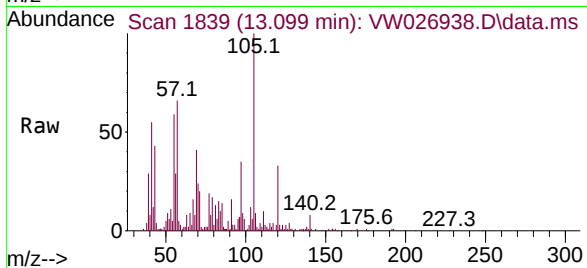
Tgt Ion:105 Resp: 20163

Ion Ratio Lower Upper

105 100

120 29.9 21.0 31.6

77 18.2 13.4 20.2



#63

1,2,4-Trimethylbenzene

Concen: 58.974 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026938.D

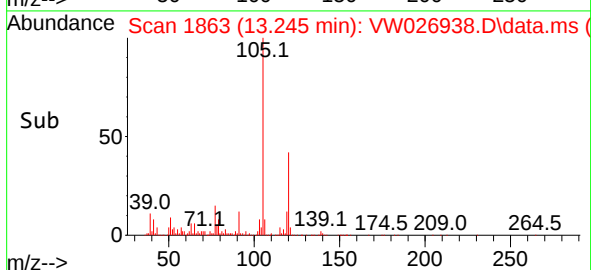
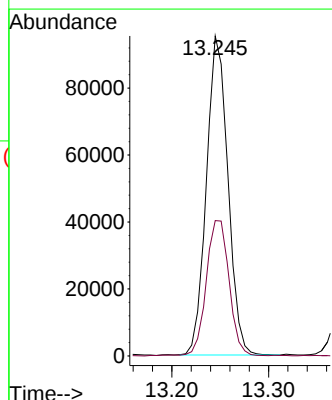
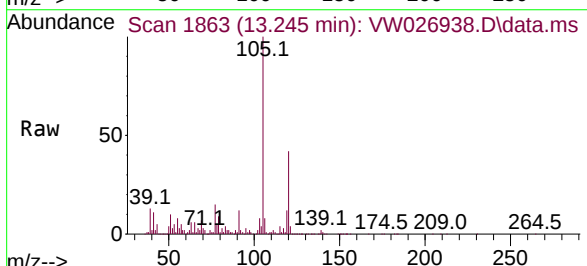
Acq: 28 Aug 2023 13:58

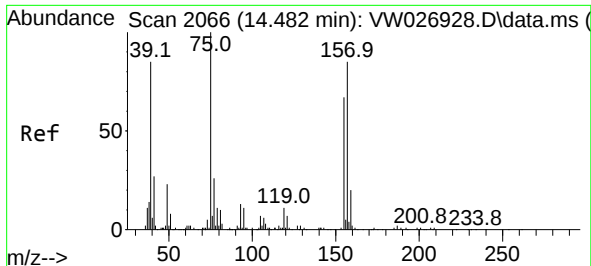
Tgt Ion:105 Resp: 147539

Ion Ratio Lower Upper

105 100

120 44.8 36.2 54.4





#68

1,2-Dibromo-3-chloropropane

Concen: 13.869 ug/L

RT: 14.446 min Scan# 2066

Delta R.T. -0.037 min

Lab File: VW026938.D

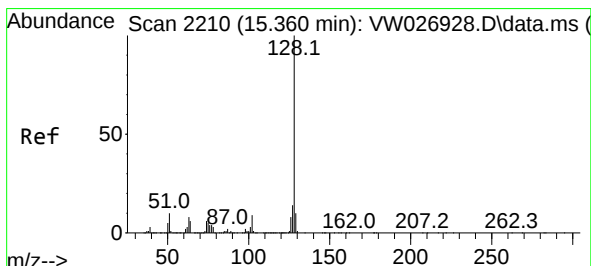
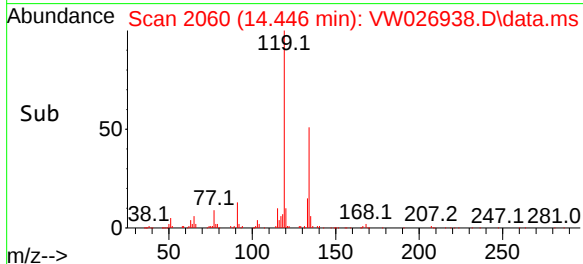
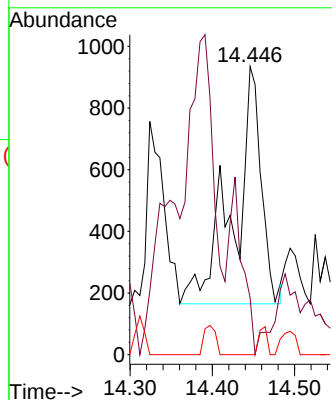
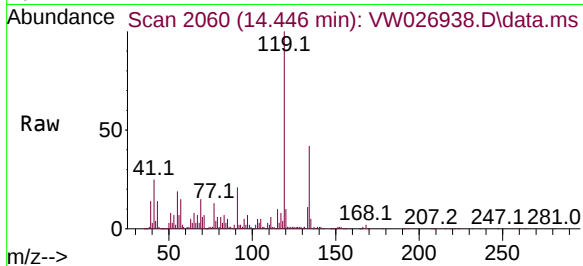
Acq: 28 Aug 2023 13:58

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	75	Resp:	1762
Ion	Ratio	Lower	Upper
75	100		
155	19.8	55.0	82.6#
157	0.0	77.8	116.6#



#71

Naphthalene

Concen: 14.340 ug/L

RT: 15.354 min Scan# 2209

Delta R.T. -0.006 min

Lab File: VW026938.D

Acq: 28 Aug 2023 13:58

Tgt Ion:	128	Resp:	22010
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.7	16.1
129	8.3	9.0	13.4#

