

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
 Data File : VW027105.D
 Acq On : 14 Sep 2023 16:15
 Operator : SY/MD
 Sample : 04417-18
 Misc : 4.96g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 15 00:16:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 09 02:59:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	722681	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	562593	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	167086	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	104936	8.128	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	32.520%
7) Chloroethane-d5	2.899	69	107392	10.306	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	41.240%
11) 1,1-Dichloroethene-d2	4.027	65	47267	9.934	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	39.720%#
21) 2-Butanone-d5	6.880	46	135	0.054	ug/L	-0.20
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.100%#
24) Chloroform-d	7.667	84	16755	0.779	ug/L	0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	3.120%#
26) 1,2-Dichloroethane-d4	8.307	65	162002	14.332	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	57.320%#
32) Benzene-d6	8.276	84	648633	17.577	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	70.320%
36) 1,2-Dichloropropane-d6	9.276	67	221535	20.449	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.800%
41) Toluene-d8	10.319	98	496536	14.862	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	59.440%
43) trans-1,3-Dichloroprop...	10.581	79	46479	11.056	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	44.240%
47) 2-Hexanone-d5	11.026	63	170	0.168	ug/L	0.10
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.340%#
56) 1,1,2,2-Tetrachloroeth...	12.696	84	803	0.096	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.400%#
66) 1,2-Dichlorobenzene-d4	13.848	152	118670	20.535	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.160%
Target Compounds						
					Qvalue	
13) Acetone	4.125	43	25185	11.562	ug/L	80
16) Methylene chloride	4.917	84	26738	1.910	ug/L	85
25) Chloroform	7.679	83	325121	15.735	ug/L	95
29) Cyclohexane	7.959	56	36557	2.492	ug/L	97
33) Benzene	8.325	78	81619	2.121	ug/L	100
34) Trichloroethene	9.087	95	149159	15.088	ug/L	96
35) Methylcyclohexane	9.337	83	178963	10.655	ug/L	97
42) Toluene	10.386	91	81048	2.047	ug/L	99
45) 1,1,2-Trichloroethane	10.764	97	7860	1.111	ug/L #	26
48) 2-Hexanone	10.953	43	18483	5.350	ug/L #	79
52) Ethylbenzene	11.727	91	50363	1.147	ug/L	97
53) m,p-Xylene	11.837	106	69849	4.207	ug/L	79
54) o-Xylene	12.166	106	42104	2.710	ug/L	91
62) 1,3,5-Trimethylbenzene	12.940	105	52973	2.900	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	144257	8.079	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.495	75	2215	3.056	ug/L #	9
71) Naphthalene	15.360	128	297216	28.521	ug/L	97

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Instrument :
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Quant Time: Sep 15 00:16:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Sep 09 02:59:49 2023
Response via : Initial Calibration

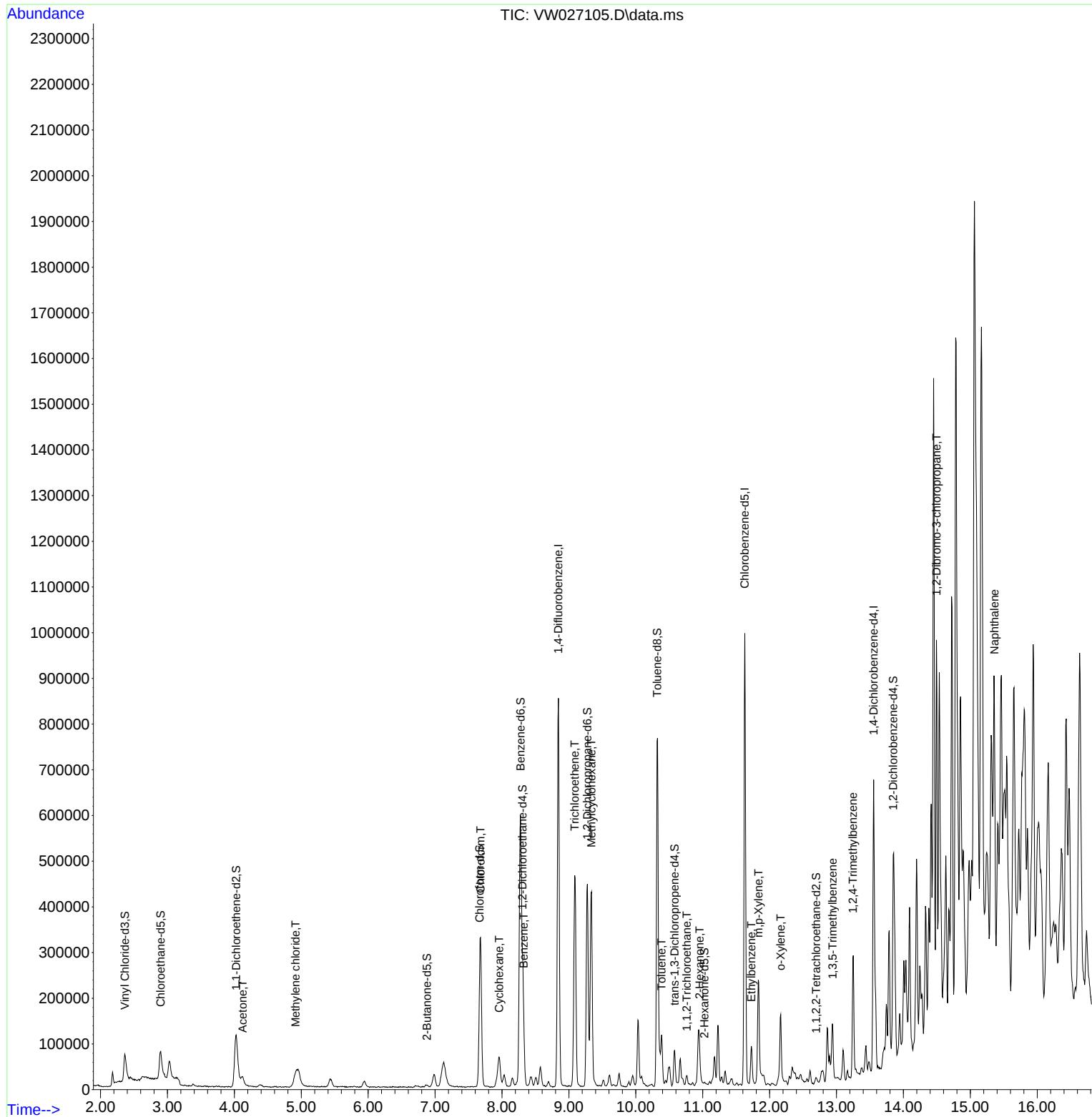
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

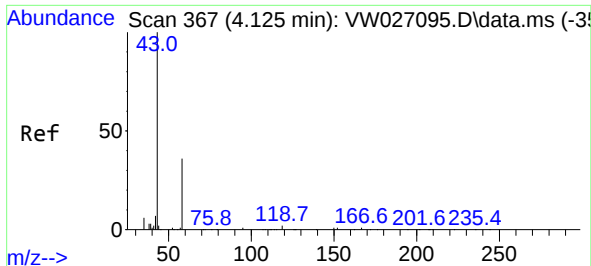
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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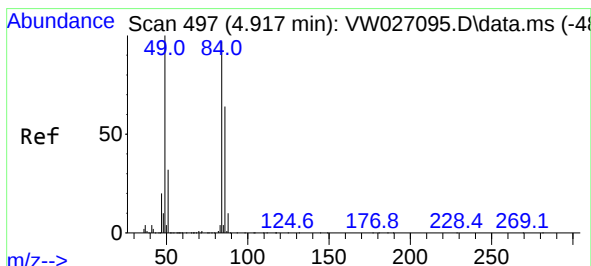
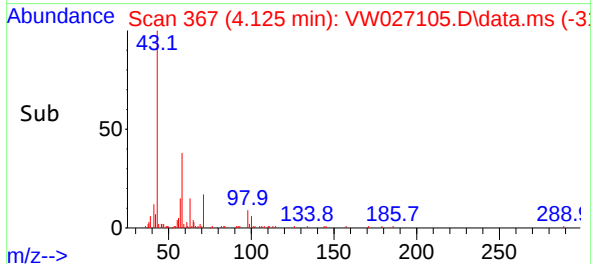
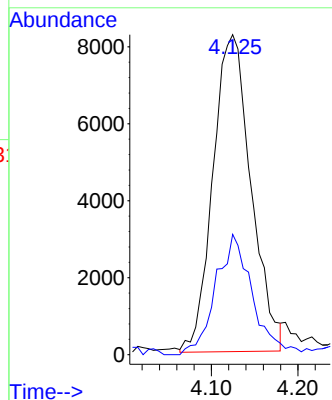
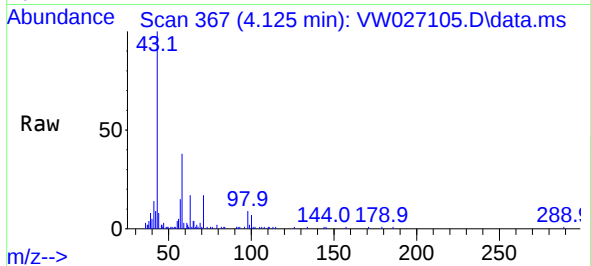




#13
Acetone
Concen: 11.562 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

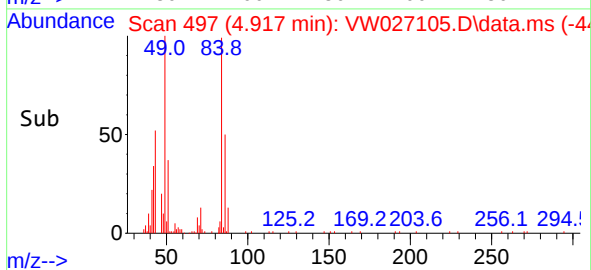
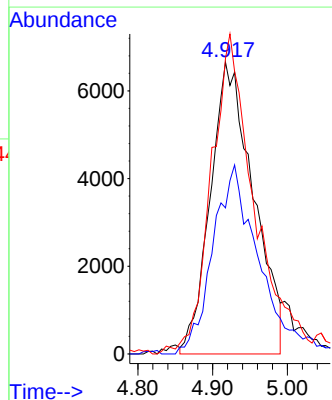
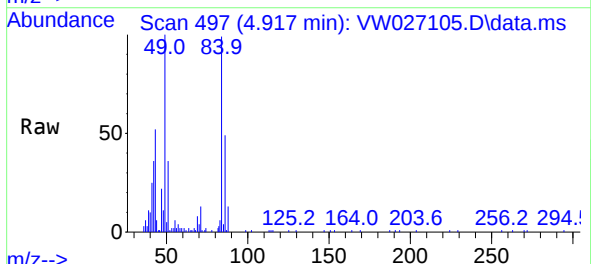
Instrument :
MSVOA_W
ClientSampleId :

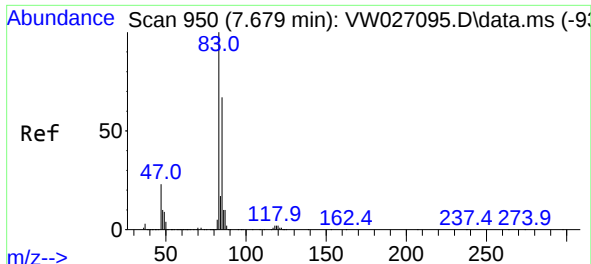
Tgt Ion: 43 Resp: 25185
Ion Ratio Lower Upper
43 100
58 21.9 0.0 66.4



#16
Methylene chloride
Concen: 1.910 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

Tgt Ion: 84 Resp: 26738
Ion Ratio Lower Upper
84 100
86 50.1 44.1 81.9
49 101.3 82.1 152.5

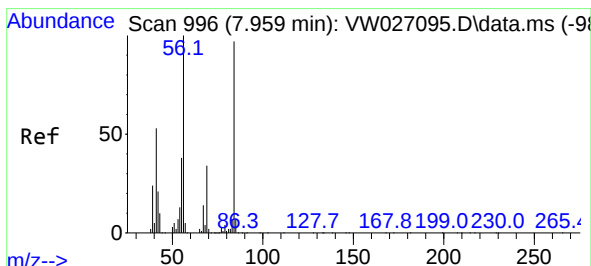
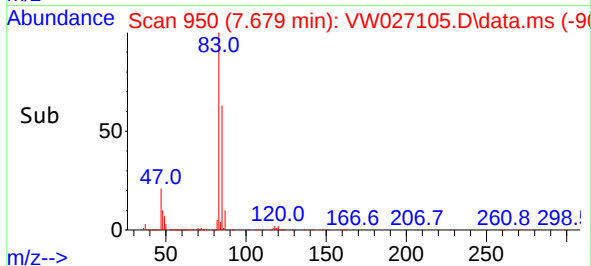
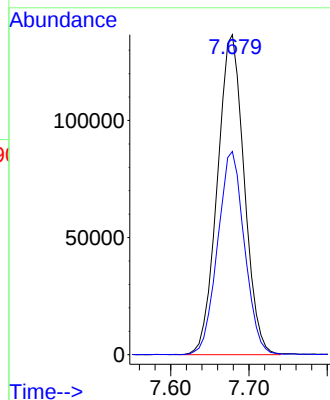
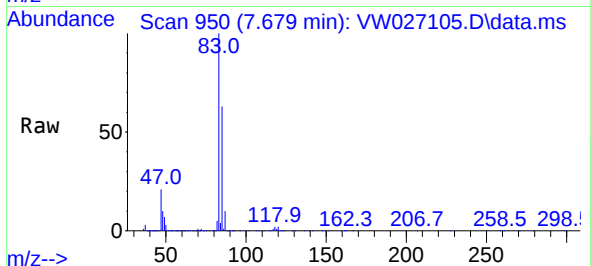




#25
Chloroform
Concen: 15.735 ug/L
RT: 7.679 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

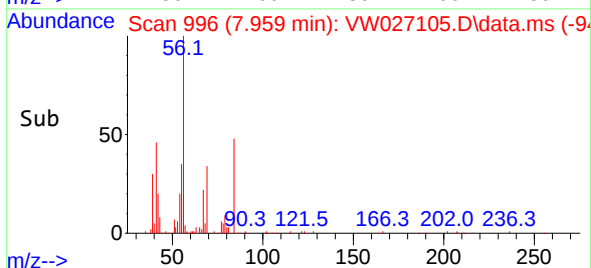
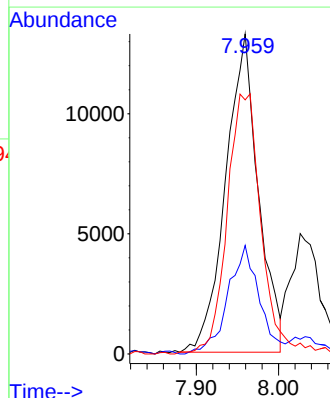
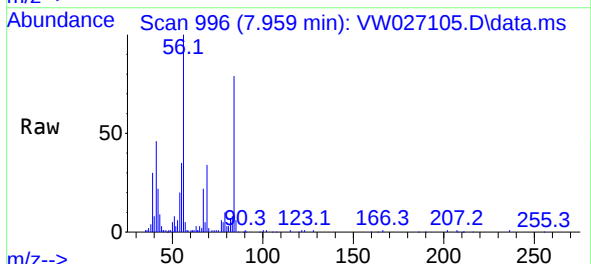
Instrument :
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ClientSampleId :

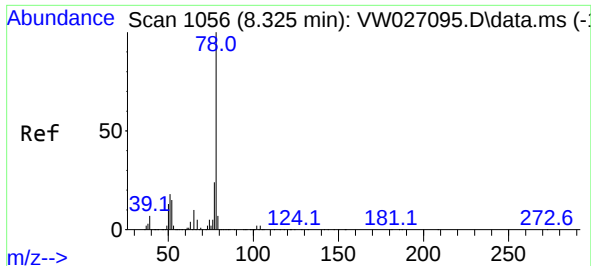
Tgt Ion: 83 Resp: 325121
Ion Ratio Lower Upper
83 100
85 63.5 47.3 87.9



#29
Cyclohexane
Concen: 2.492 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

Tgt Ion: 56 Resp: 36557
Ion Ratio Lower Upper
56 100
69 32.8 24.8 37.2
84 82.8 68.2 102.4

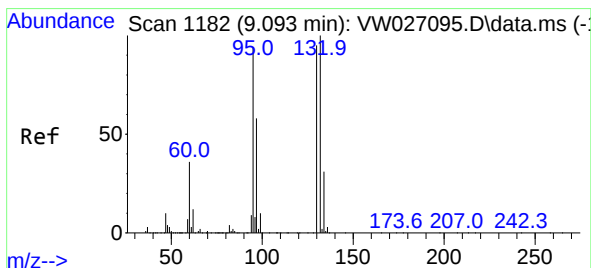
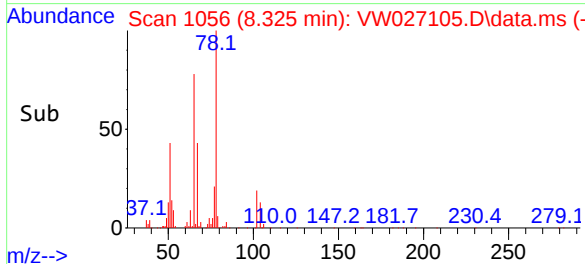
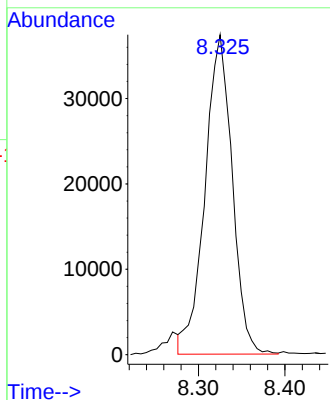
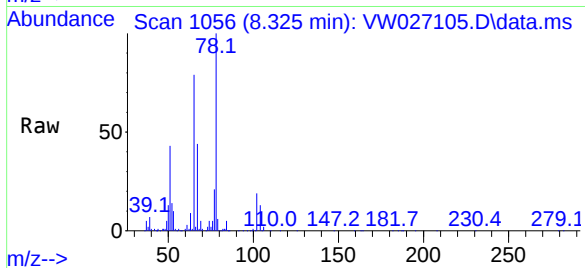




#33
Benzene
Concen: 2.121 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

Instrument :
MSVOA_W
ClientSampleId :

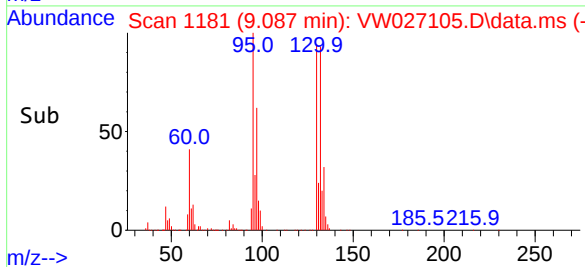
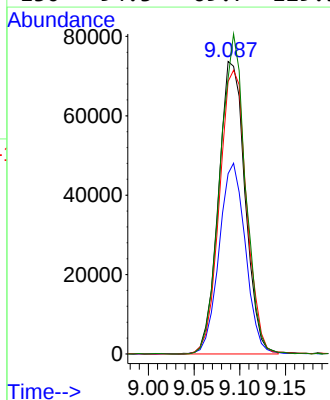
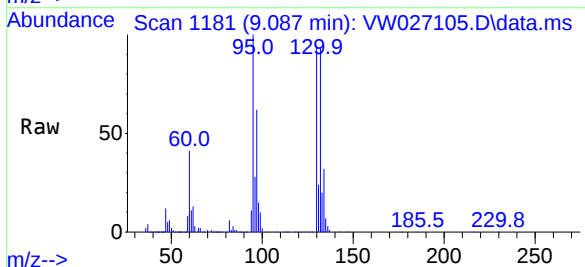
Tgt Ion: 78 Resp: 81619

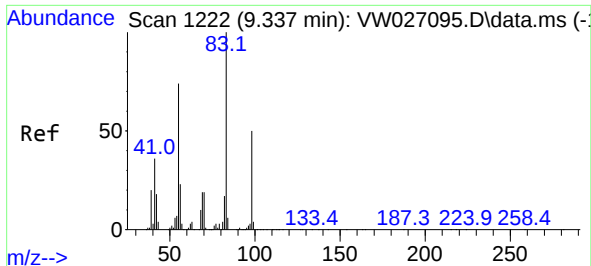


#34
Trichloroethene
Concen: 15.088 ug/L
RT: 9.087 min Scan# 1181
Delta R.T. -0.006 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

Tgt Ion: 95 Resp: 149159

Ion	Ratio	Lower	Upper
95	100		
97	61.7	42.4	78.8
132	93.1	63.1	117.3
130	94.3	69.7	129.5

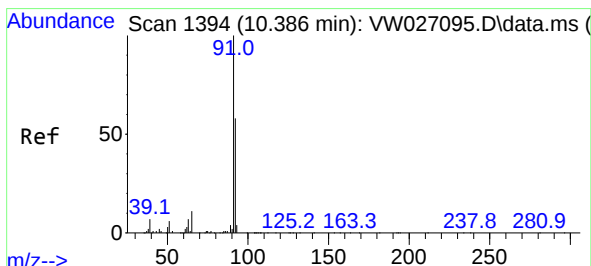
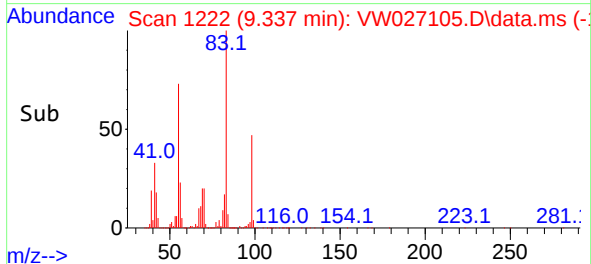
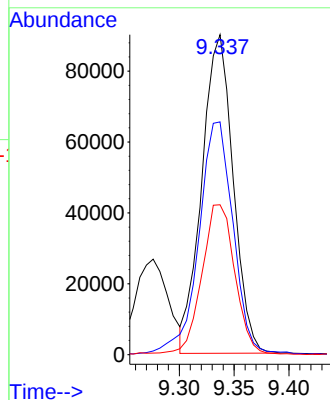
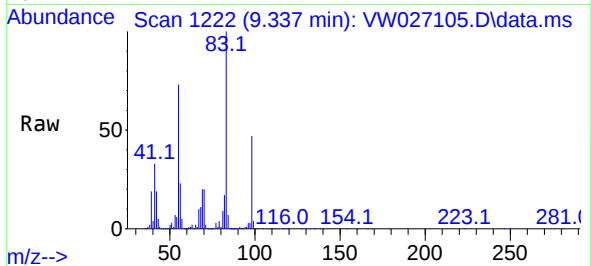




#35
Methylcyclohexane
Concen: 10.655 ug/L
RT: 9.337 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

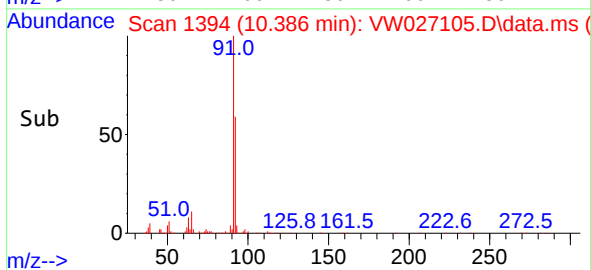
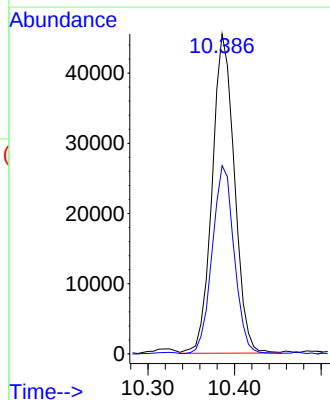
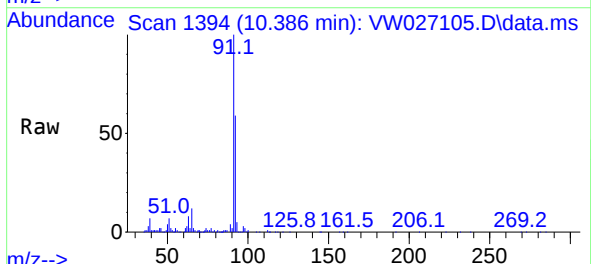
Instrument :
MSVOA_W
ClientSampleId :

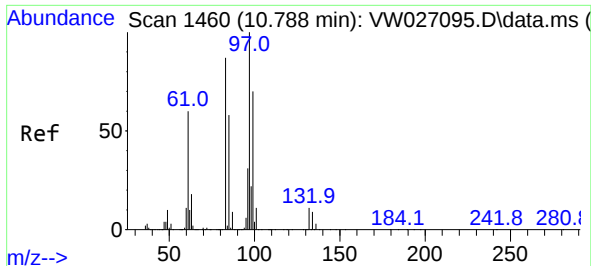
Tgt Ion: 83 Resp: 178963
Ion Ratio Lower Upper
83 100
55 80.2 61.7 92.5
98 49.6 38.3 57.5



#42
Toluene
Concen: 2.047 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

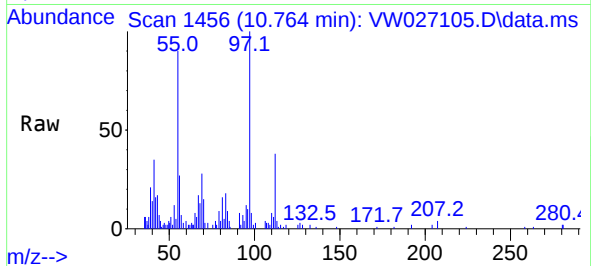
Tgt Ion: 91 Resp: 81048
Ion Ratio Lower Upper
91 100
92 58.8 41.6 77.2



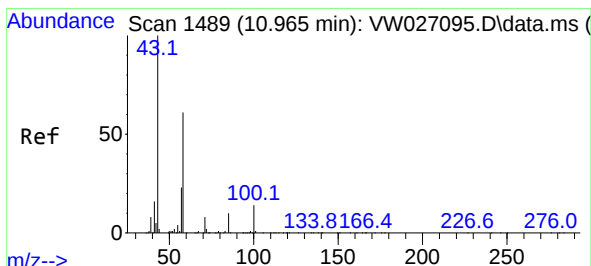
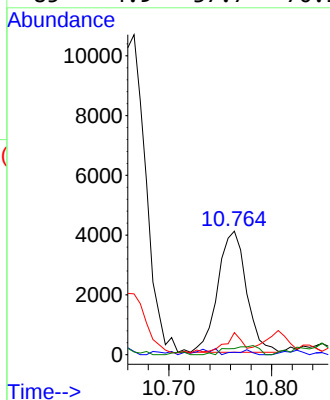
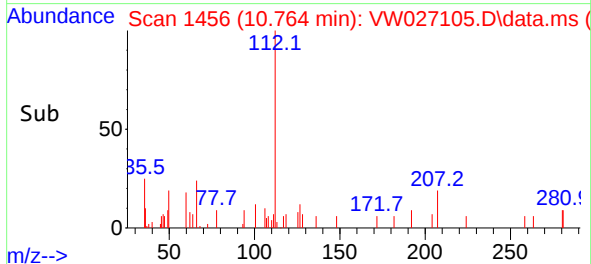


#45
1,1,2-Trichloroethane
Concen: 1.111 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.024 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

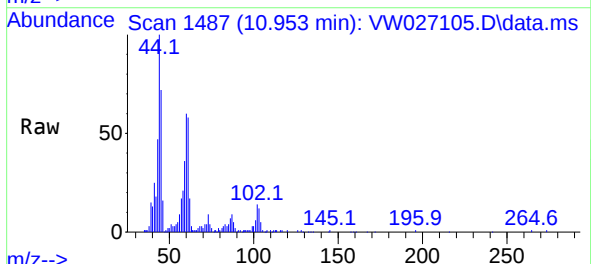
Instrument :
MSVOA_W
ClientSampleId :



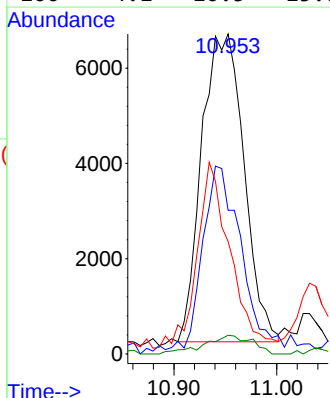
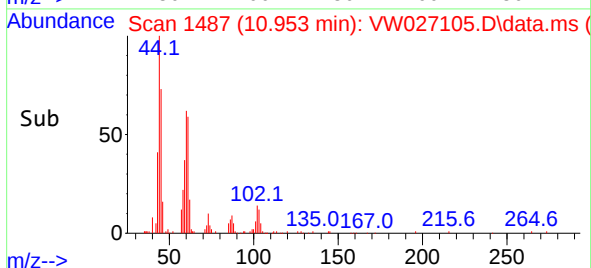
Tgt Ion: 97 Resp: 7860
Ion Ratio Lower Upper
97 100
99 2.0 44.7 82.9#
83 17.9 60.9 113.1#
85 4.9 37.7 70.1#

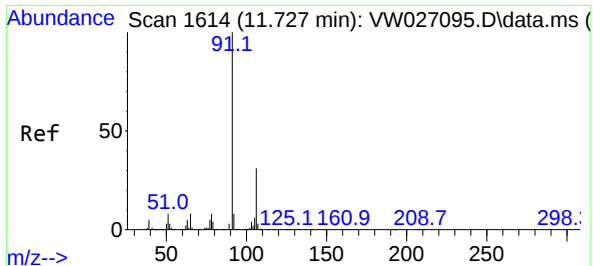


#48
2-Hexanone
Concen: 5.350 ug/L
RT: 10.953 min Scan# 1487
Delta R.T. -0.012 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15



Tgt Ion: 43 Resp: 18483
Ion Ratio Lower Upper
43 100
58 54.0 47.5 71.3
57 47.2 15.2 22.8#
100 4.1 10.5 15.7#

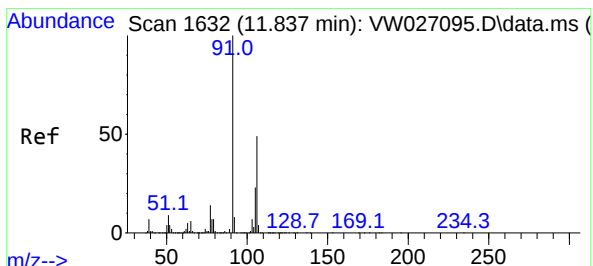
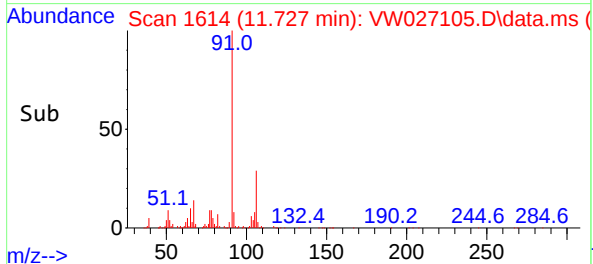
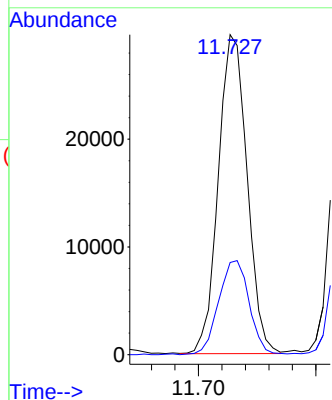
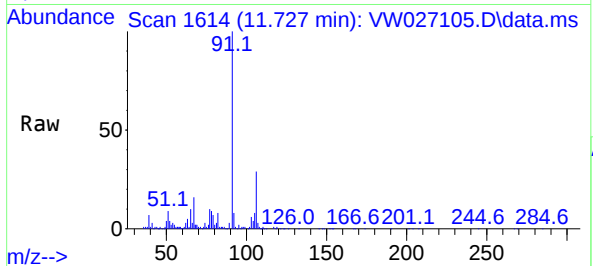




#52
Ethylbenzene
Concen: 1.147 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

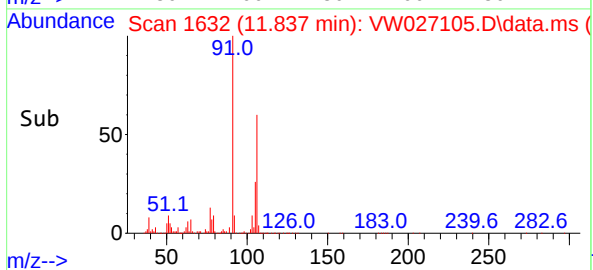
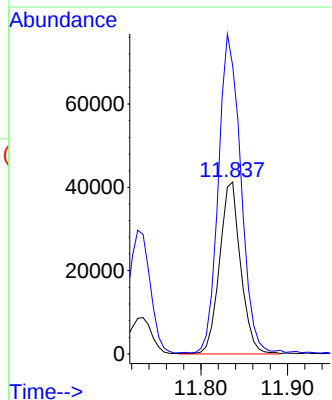
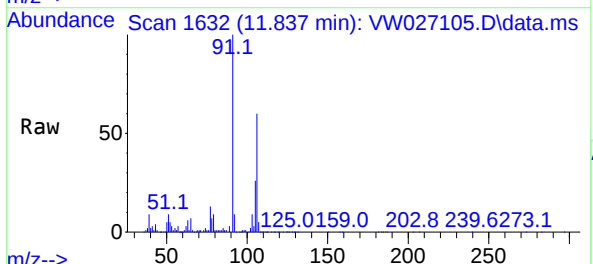
Instrument :
MSVOA_W
ClientSampleId :

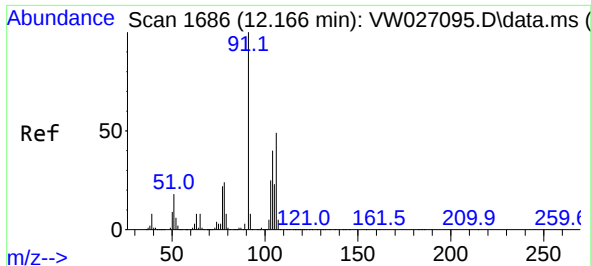
Tgt Ion: 91 Resp: 50363
Ion Ratio Lower Upper
91 100
106 28.8 21.1 39.3



#53
m,p-Xylene
Concen: 4.207 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

Tgt Ion:106 Resp: 69849
Ion Ratio Lower Upper
106 100
91 167.5 139.6 259.2

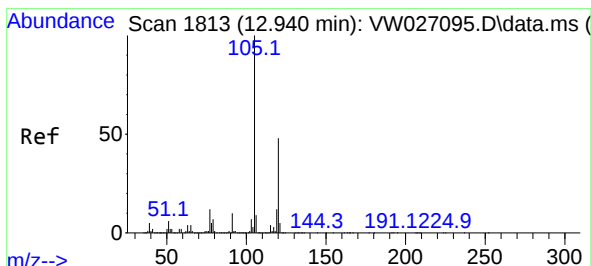
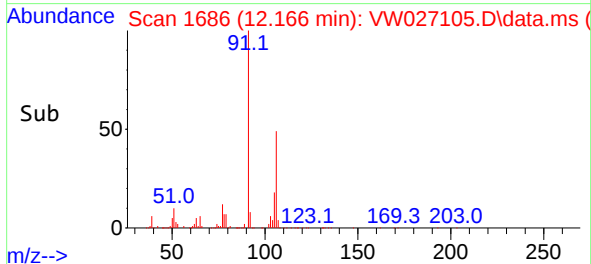
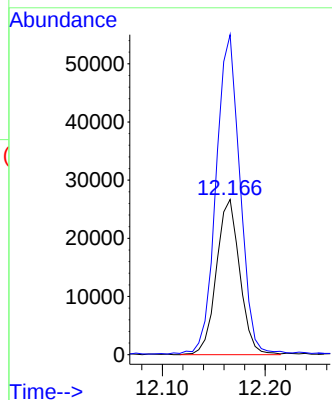
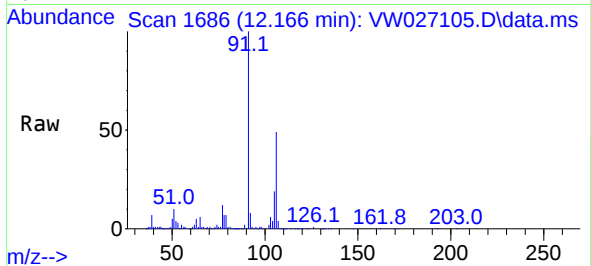




#54
o-Xylene
Concen: 2.710 ug/L
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

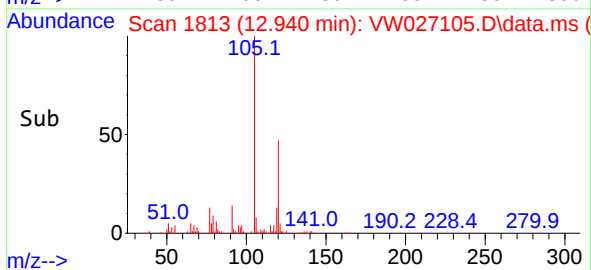
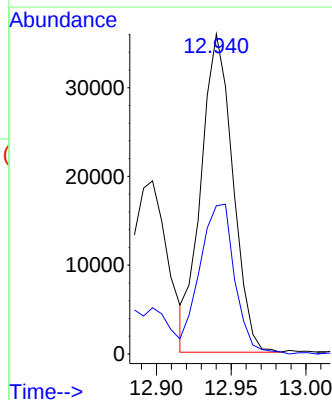
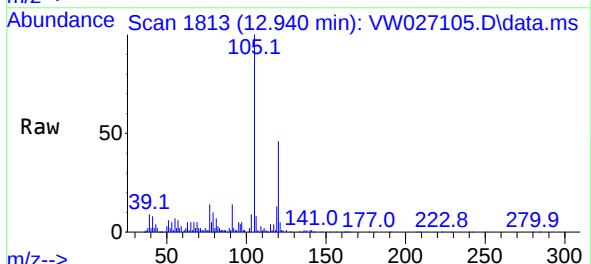
Instrument :
MSVOA_W
ClientSampleId :

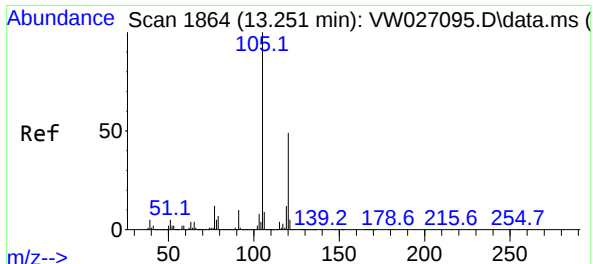
Tgt Ion:106 Resp: 42104
Ion Ratio Lower Upper
106 100
91 206.1 154.0 286.0



#62
1,3,5-Trimethylbenzene
Concen: 2.900 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

Tgt Ion:105 Resp: 52973
Ion Ratio Lower Upper
105 100
120 51.8 39.0 58.6

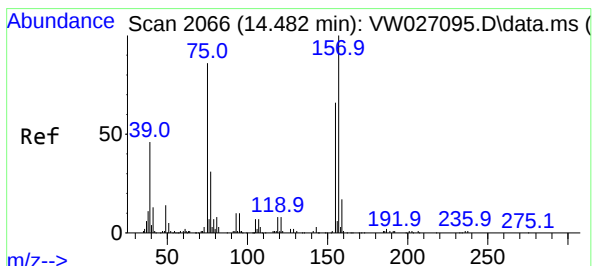
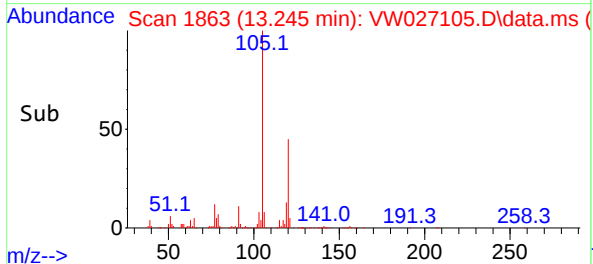
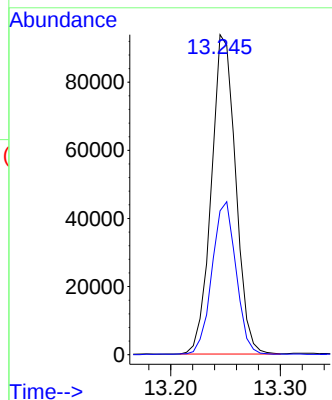
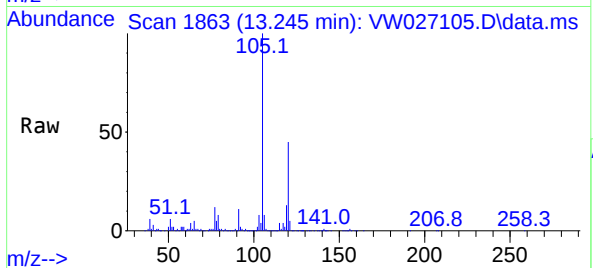




#63
1,2,4-Trimethylbenzene
Concen: 8.079 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

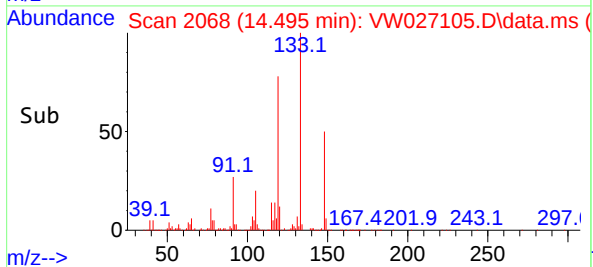
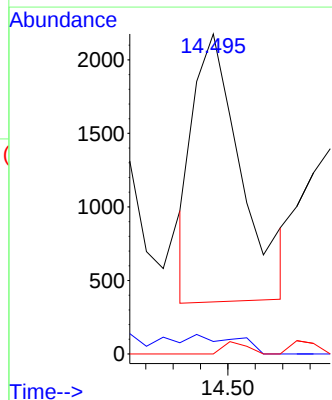
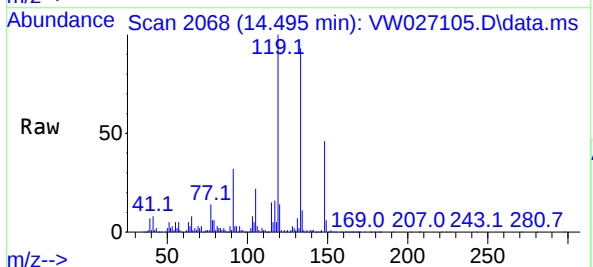
Instrument :
MSVOA_W
ClientSampleId :

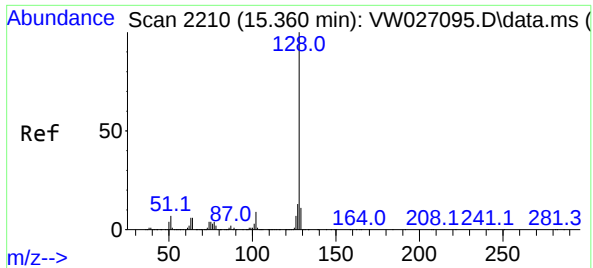
Tgt Ion:105 Resp: 144257
Ion Ratio Lower Upper
105 100
120 47.1 36.3 54.5



#68
1,2-Dibromo-3-chloropropane
Concen: 3.056 ug/L
RT: 14.495 min Scan# 2068
Delta R.T. 0.012 min
Lab File: VW027105.D
Acq: 14 Sep 2023 16:15

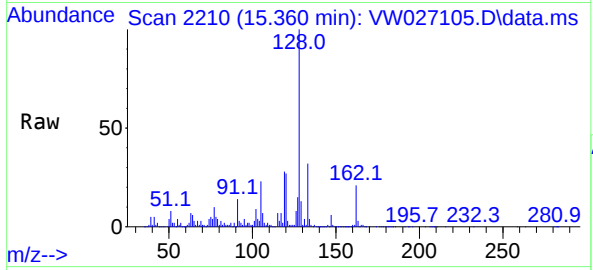
Tgt Ion: 75 Resp: 2215
Ion Ratio Lower Upper
75 100
155 3.9 65.9 98.9#
157 0.0 68.7 103.1#





#71
 Naphthalene
 Concen: 28.521 ug/L
 RT: 15.360 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW027105.D
 Acq: 14 Sep 2023 16:15

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:128 Resp: 297216

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.9	16.3
129	9.5	8.9	13.3

