

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071224\
 Data File : VW029560.D
 Acq On : 12 Jul 2024 19:08
 Operator : SY/MD
 Sample : P3230-05
 Misc : 5.18g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 23:29:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 12 23:17:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	472648	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	415998	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	193780	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	100132	13.114	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.440%
7) Chloroethane-d5	2.899	69	79996	14.551	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.200%
11) 1,1-Dichloroethene-d2	4.021	65	48648	14.189	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.760%
21) 2-Butanone-d5	7.081	46	83820	36.570	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.140%
24) Chloroform-d	7.648	84	208045	15.226	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	60.920%
26) 1,2-Dichloroethane-d4	8.502	65	68	0.008	ug/L	0.19
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.040%#
32) Benzene-d6	8.276	84	414261	16.623	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	66.480%
36) 1,2-Dichloropropane-d6	9.276	67	136108	17.082	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	68.320%#
41) Toluene-d8	10.319	98	362423	16.537	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.160%
43) trans-1,3-Dichloroprop...	10.575	79	54535	16.163	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.640%
47) 2-Hexanone-d5	10.922	63	56974	39.350	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.700%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	118338	18.292	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.160%
66) 1,2-Dichlorobenzene-d4	13.848	152	116195	17.218	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	68.880%#
Target Compounds						Qvalue
5) Vinyl chloride	2.375	62	56751	8.031	ug/L	98
13) Acetone	4.125	43	16429	7.102	ug/L	98
14) Carbon disulfide	4.393	76	11324	0.593	ug/L	97
15) Methyl Acetate	4.685	43	1332	0.328	ug/L	95
16) Methylene chloride	4.923	84	24374	2.880	ug/L	99
17) trans-1,2-Dichloroethene	5.429	96	2007	0.308	ug/L	87
20) cis-1,2-Dichloroethene	7.173	96	1246167	175.140	ug/L	90
34) Trichloroethene	9.093	95	576100	83.817	ug/L	97
42) Toluene	10.386	91	98479	3.698	ug/L	98
45) 1,1,2-Trichloroethane	10.757	97	3727	0.720	ug/L #	22
46) Tetrachloroethene	10.873	164	13121902	2687.195	ug/L	93
52) Ethylbenzene	11.727	91	11012	0.365	ug/L	99
53) m,p-Xylene	11.830	106	27376	2.472	ug/L	95
54) o-Xylene	12.160	106	11996	1.171	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	8623	0.445	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	11811	0.552	ug/L	96

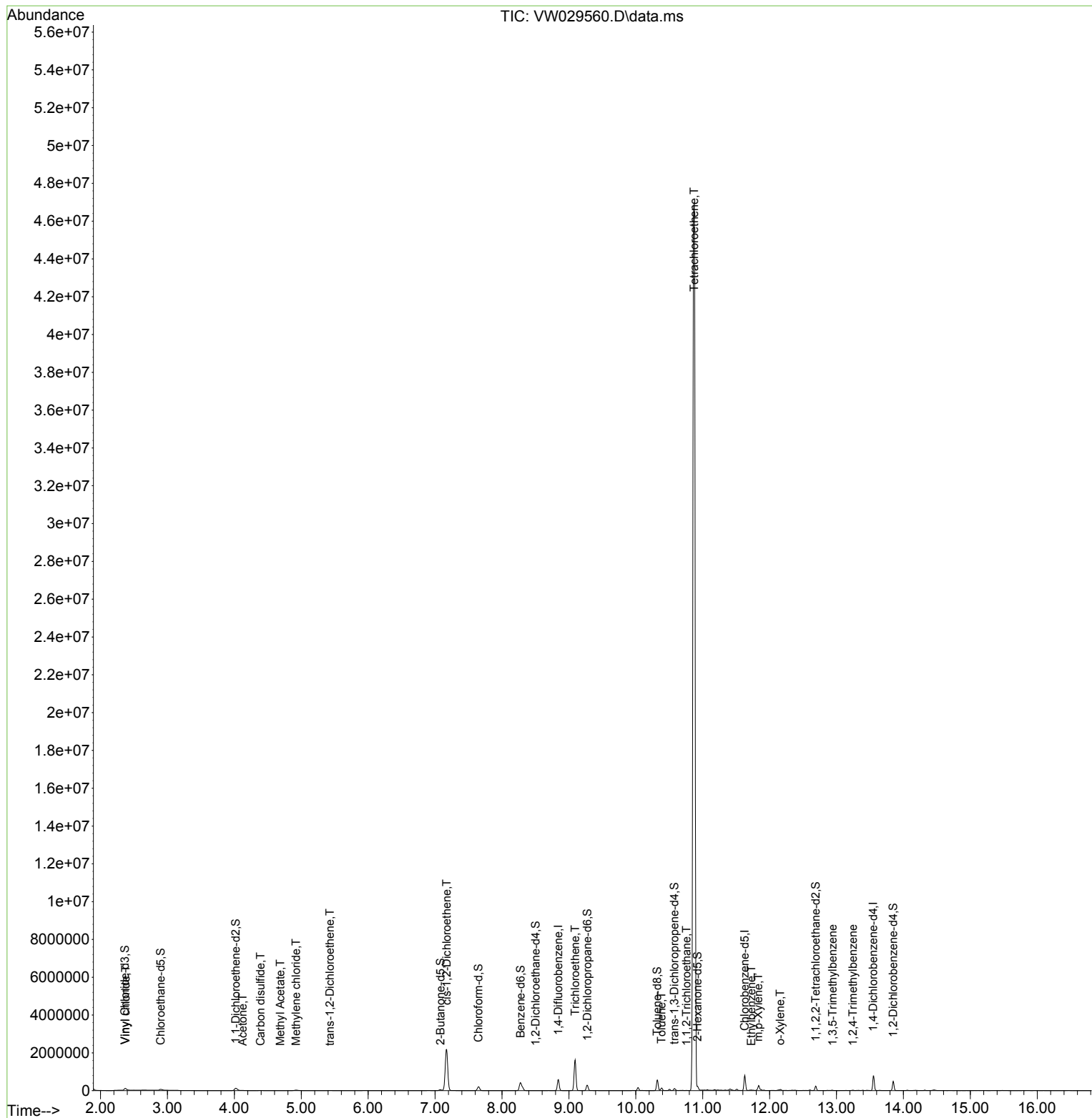
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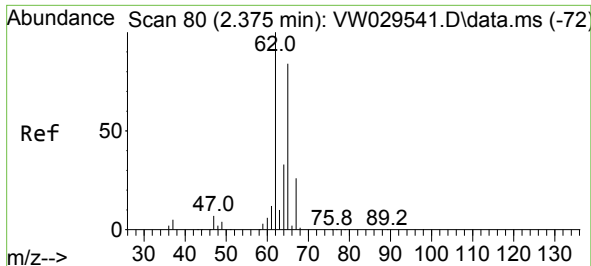
Instrument :
MSVOA_W
ClientSampleId :

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Quant Title : SFAM01.0
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Response via : Initial Calibration

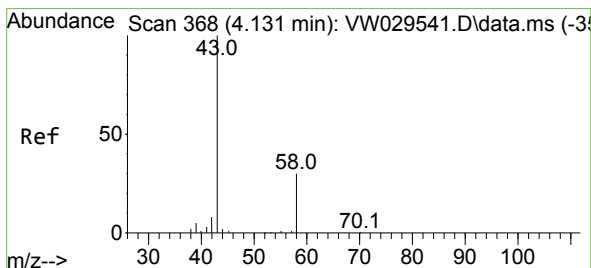
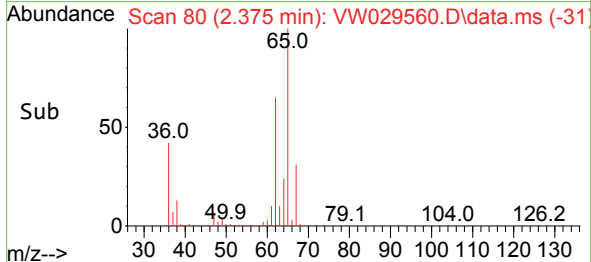
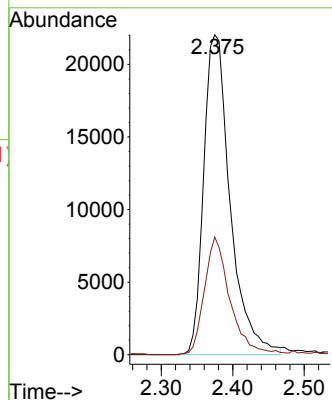
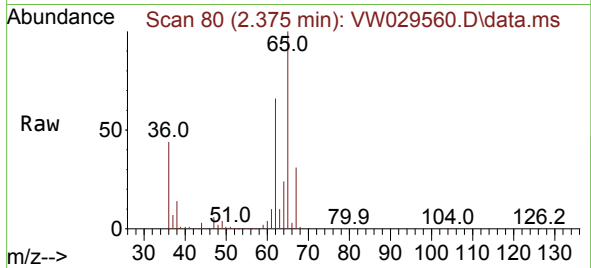




#5
 Vinyl chloride
 Concen: 8.031 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW029560.D
 Acq: 12 Jul 2024 19:08

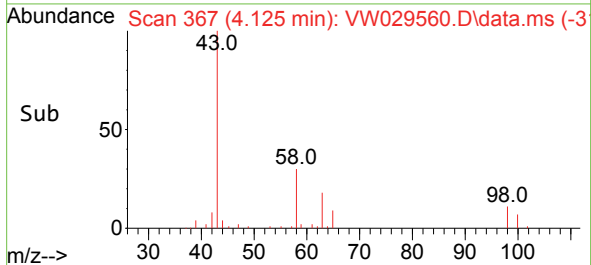
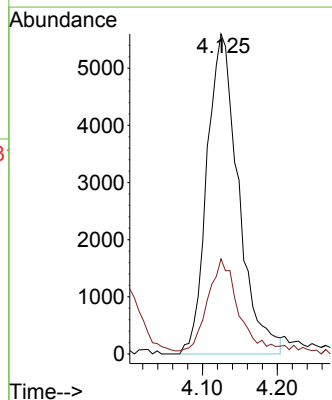
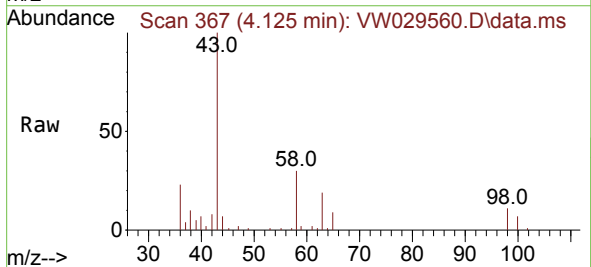
Instrument :
 MSVOA_W
 ClientSampleId :

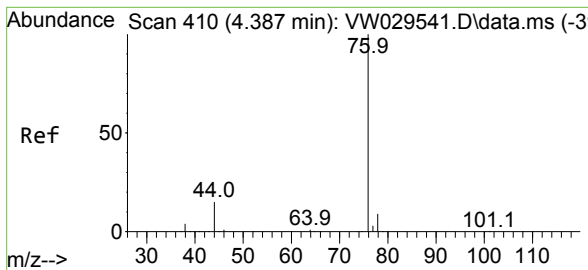
Tgt Ion: 62 Resp: 56751
 Ion Ratio Lower Upper
 62 100
 64 36.8 25.1 46.5



#13
 Acetone
 Concen: 7.102 ug/L
 RT: 4.125 min Scan# 367
 Delta R.T. -0.006 min
 Lab File: VW029560.D
 Acq: 12 Jul 2024 19:08

Tgt Ion: 43 Resp: 16429
 Ion Ratio Lower Upper
 43 100
 58 26.5 0.0 55.6





#14

Carbon disulfide

Concen: 0.593 ug/L

RT: 4.393 min Scan# 411

Delta R.T. 0.006 min

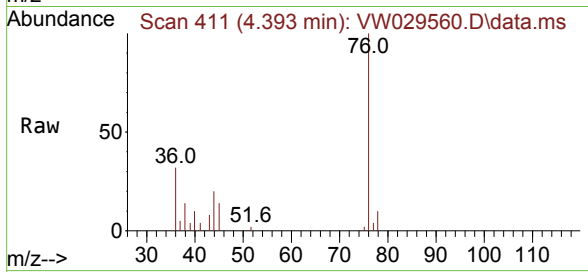
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Acq: 12 Jul 2024 19:08

Instrument :

MSVOA_W

ClientSampleId :

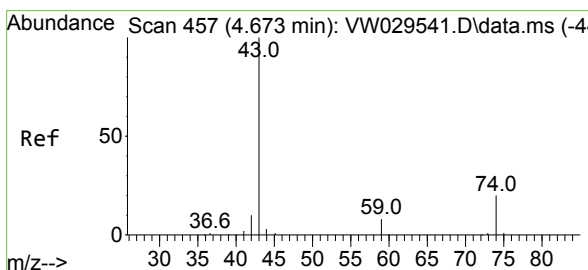
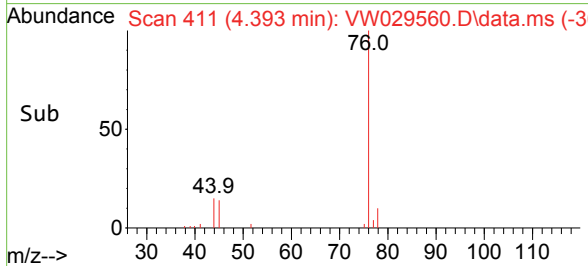
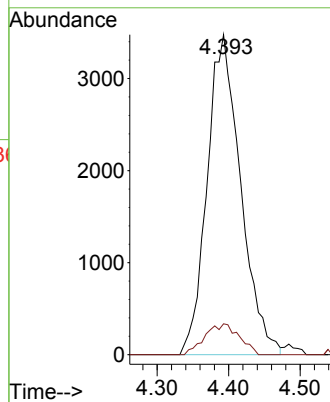


Tgt Ion: 76 Resp: 11324

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4



#15

Methyl Acetate

Concen: 0.328 ug/L

RT: 4.685 min Scan# 459

Delta R.T. 0.012 min

Lab File: VW029560.D

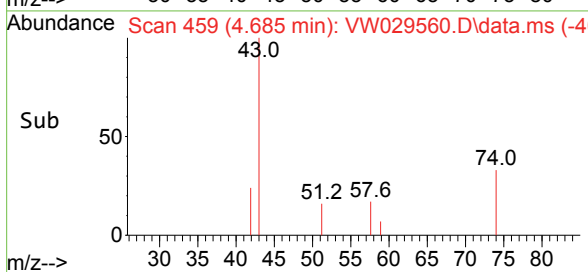
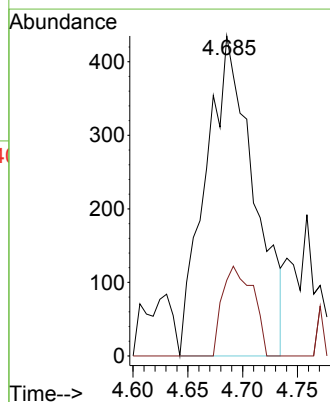
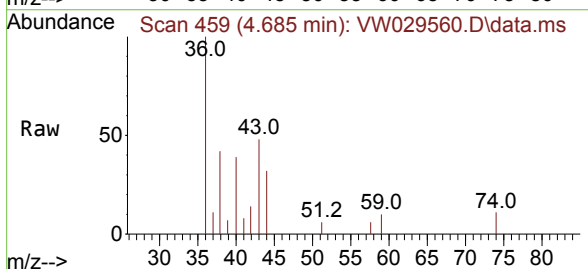
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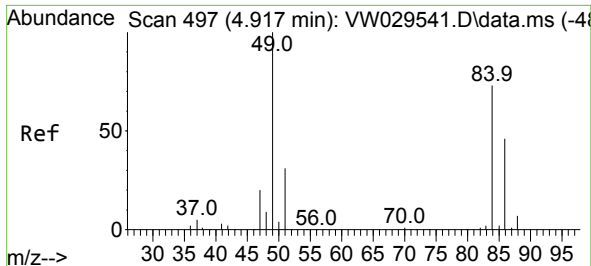
Tgt Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

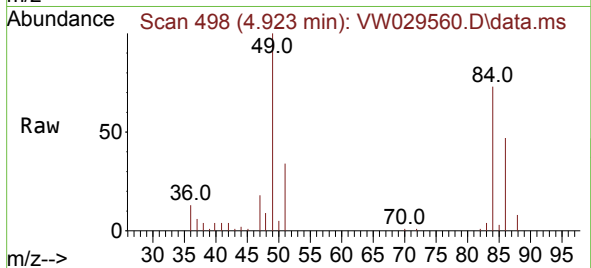
74 17.9 16.2 24.4



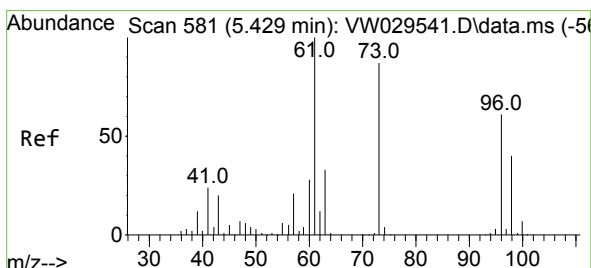
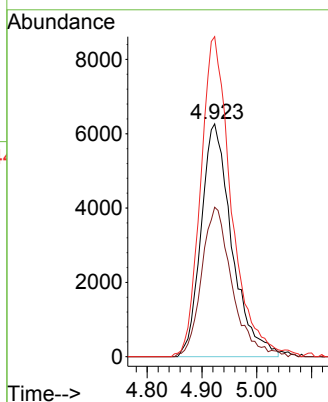
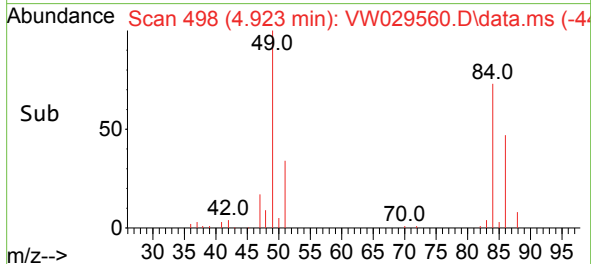


#16
Methylene chloride
Concen: 2.880 ug/L
RT: 4.923 min Scan# 497
Delta R.T. 0.006 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08

Instrument :
MSVOA_W
ClientSampleId :

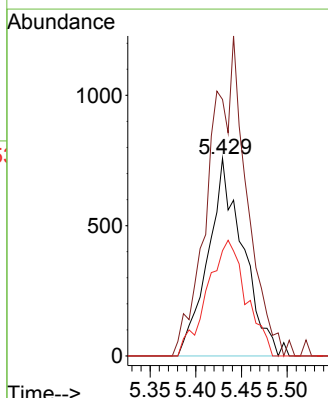
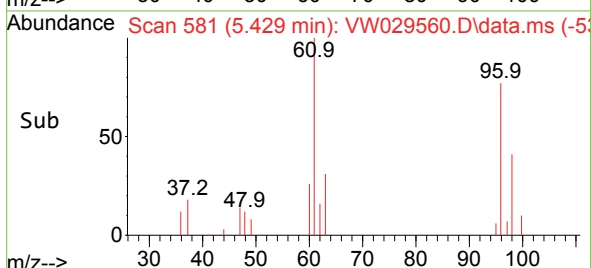
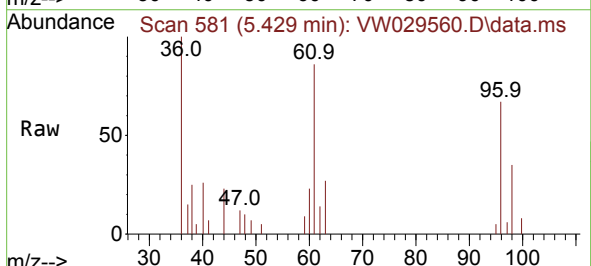


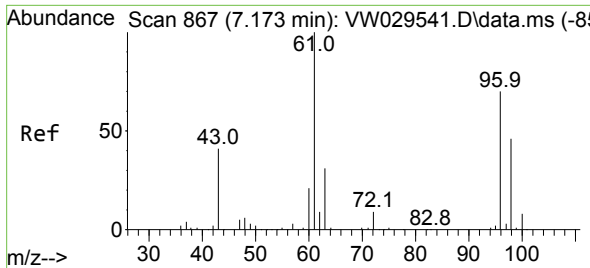
Tgt Ion: 84 Resp: 24374
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 137.5 96.7 179.7



#17
trans-1,2-Dichloroethene
Concen: 0.308 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08

Tgt Ion: 96 Resp: 2007
Ion Ratio Lower Upper
96 100
61 129.8 102.9 191.1
98 53.3 43.9 81.5

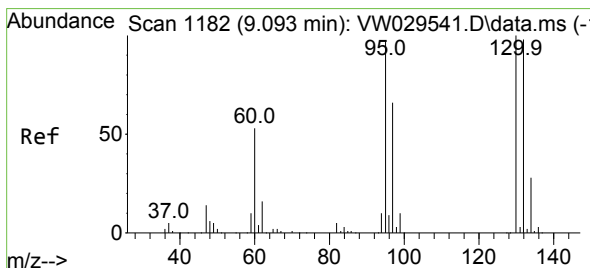
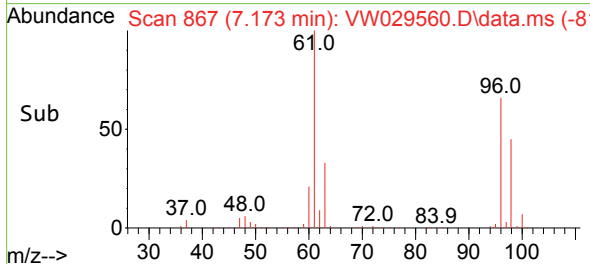
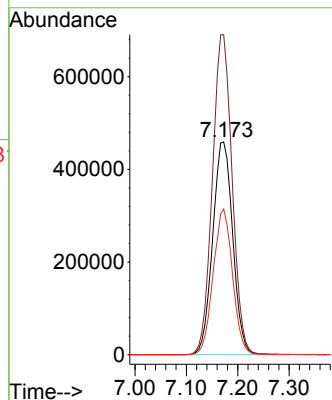
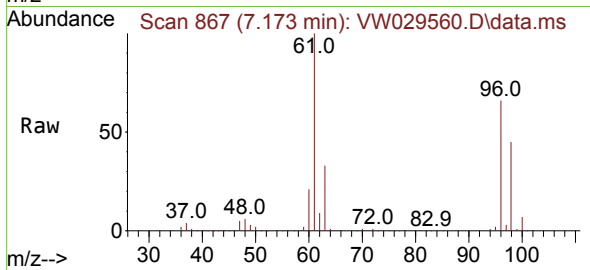




#20
cis-1,2-Dichloroethene
Concen: 175.140 ug/L
RT: 7.173 min Scan# 867
Delta R.T. -0.000 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08

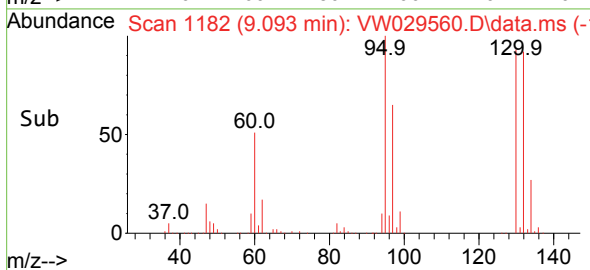
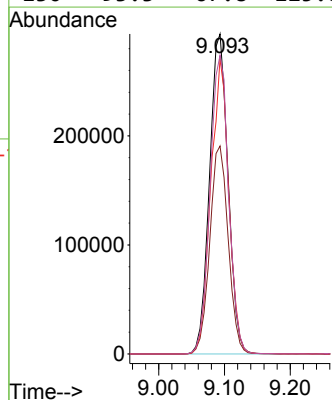
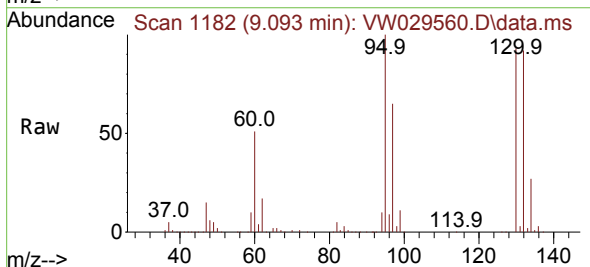
Instrument :
MSVOA_W
ClientSampleId :

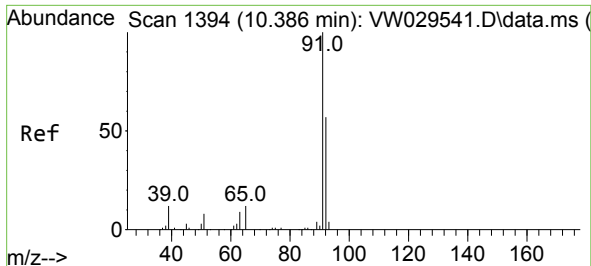
Tgt Ion: 96 Resp: 1246167
Ion Ratio Lower Upper
96 100
61 150.4 97.4 180.8
98 68.4 41.6 77.2



#34
Trichloroethene
Concen: 83.817 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08

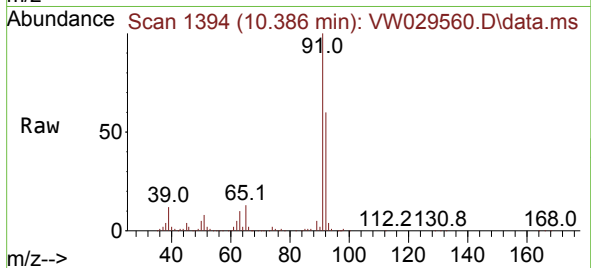
Tgt Ion: 95 Resp: 576100
Ion Ratio Lower Upper
95 100
97 65.0 47.3 87.9
132 92.3 65.8 122.2
130 93.3 67.8 125.8



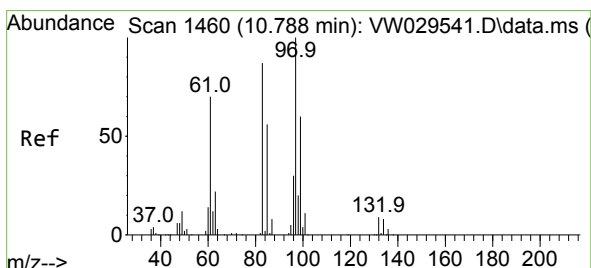
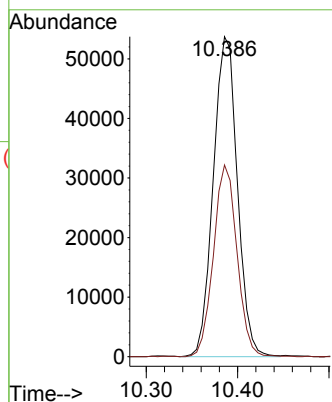
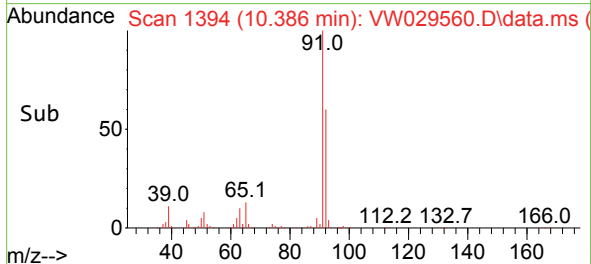


#42
Toluene
Concen: 3.698 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08

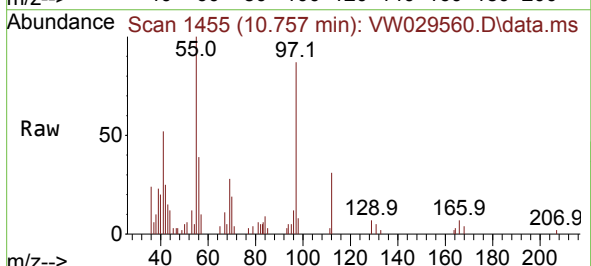
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MSVOA_W
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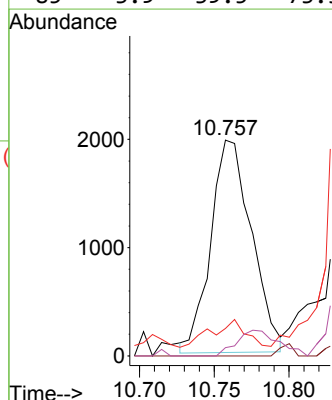
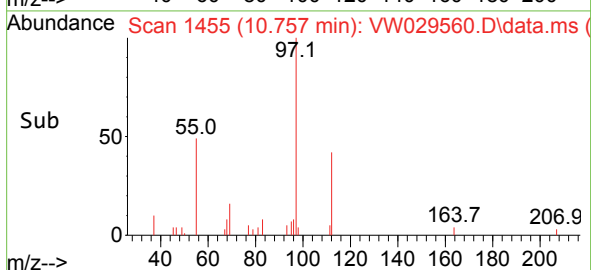
Tgt Ion: 91 Resp: 98479
Ion Ratio Lower Upper
91 100
92 59.9 41.1 76.3

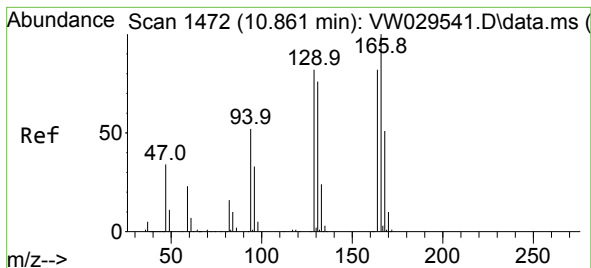


#45
1,1,2-Trichloroethane
Concen: 0.720 ug/L
RT: 10.757 min Scan# 1455
Delta R.T. -0.031 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08



Tgt Ion: 97 Resp: 3727
Ion Ratio Lower Upper
97 100
99 0.0 43.8 81.4#
83 12.7 60.3 111.9#
85 3.9 39.5 73.3#





#46

Tetrachloroethene

Concen: 2687.195 ug/L

RT: 10.873 min Scan# 1472

Delta R.T. 0.012 min

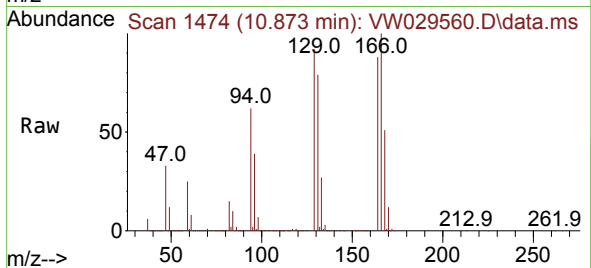
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Acq: 12 Jul 2024 19:08

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp:13121902

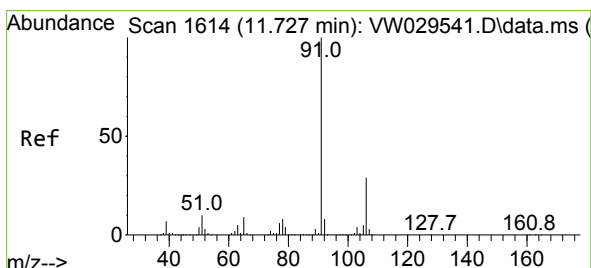
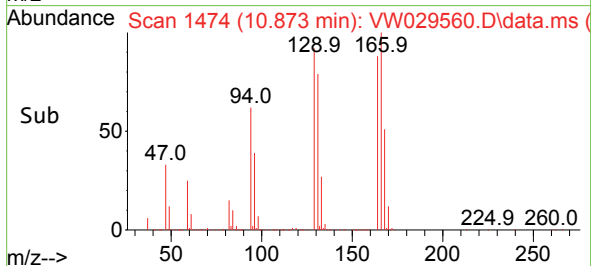
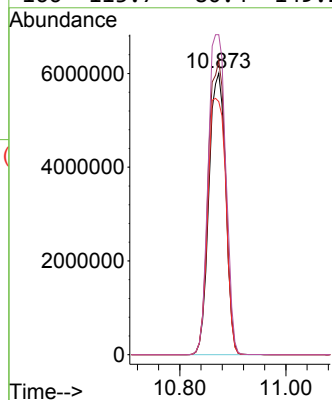
Ion Ratio Lower Upper

164 100

129 104.5 60.0 111.4

131 89.9 64.6 120.0

166 113.7 80.4 149.2



#52

Ethylbenzene

Concen: 0.365 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW029560.D

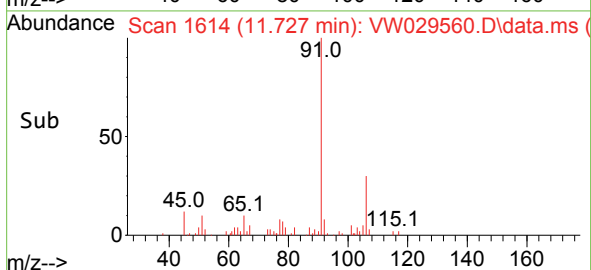
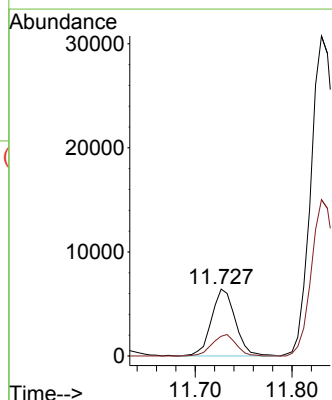
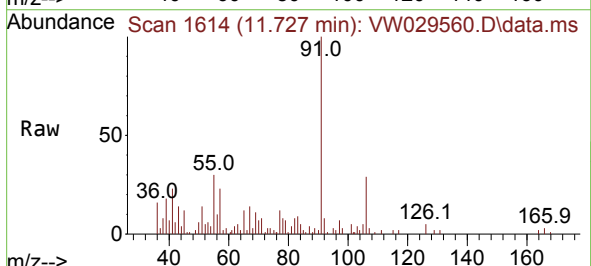
Acq: 12 Jul 2024 19:08

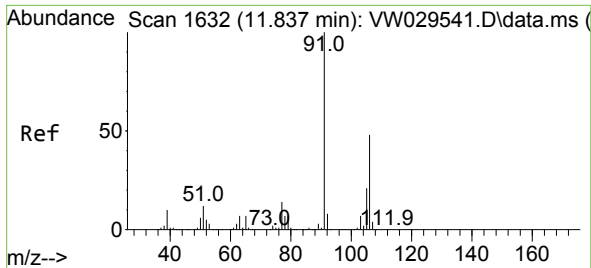
Tgt Ion: 91 Resp: 11012

Ion Ratio Lower Upper

91 100

106 29.4 20.2 37.6

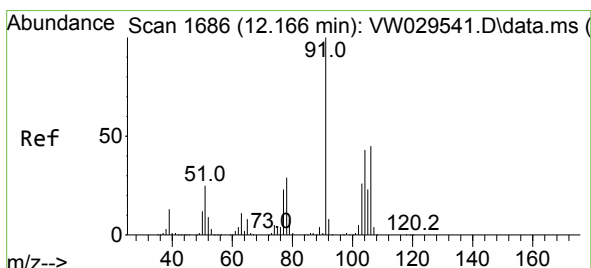
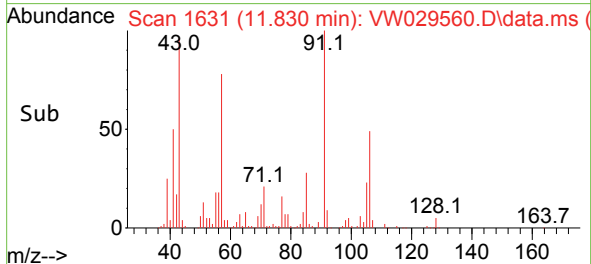
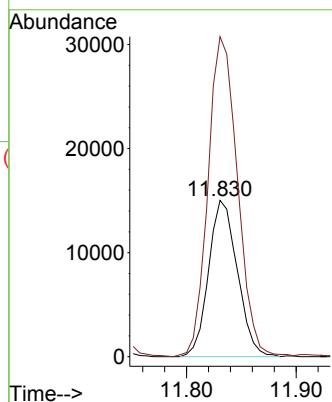
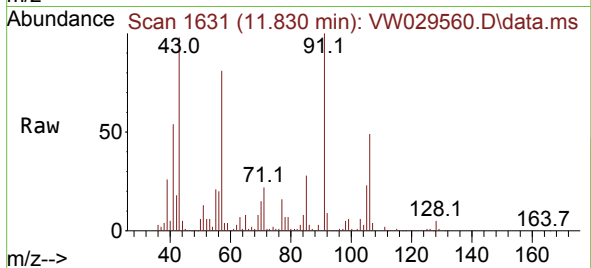




#53
m,p-Xylene
Concen: 2.472 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08

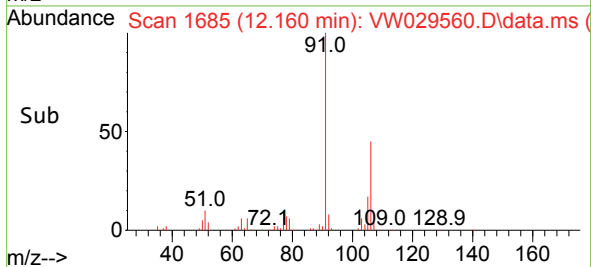
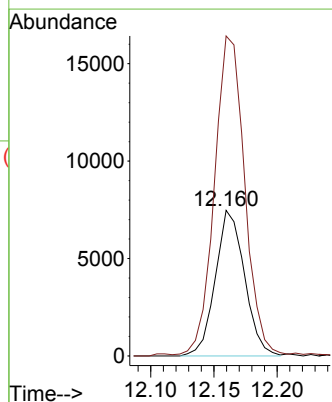
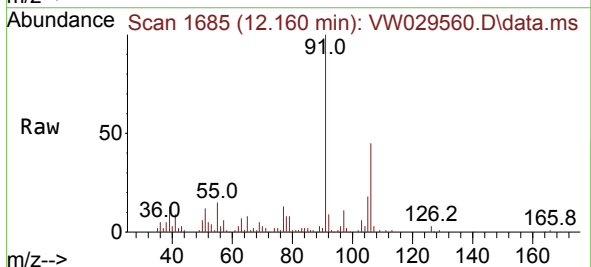
Instrument :
MSVOA_W
ClientSampleId :

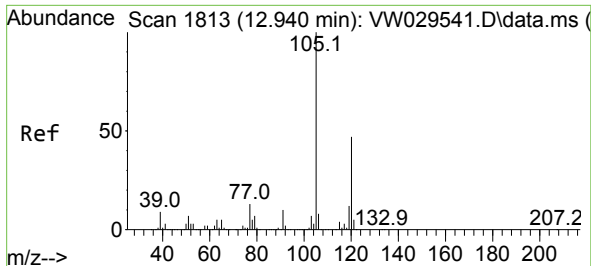
Tgt Ion:106 Resp: 27376
Ion Ratio Lower Upper
106 100
91 204.8 149.3 277.3



#54
o-Xylene
Concen: 1.171 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW029560.D
Acq: 12 Jul 2024 19:08

Tgt Ion:106 Resp: 11996
Ion Ratio Lower Upper
106 100
91 219.9 159.2 295.6





#62

1,3,5-Trimethylbenzene

Concen: 0.445 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW029560.D

Acq: 12 Jul 2024 19:08

Instrument :

MSVOA_W

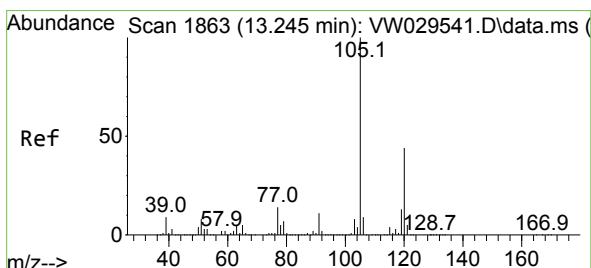
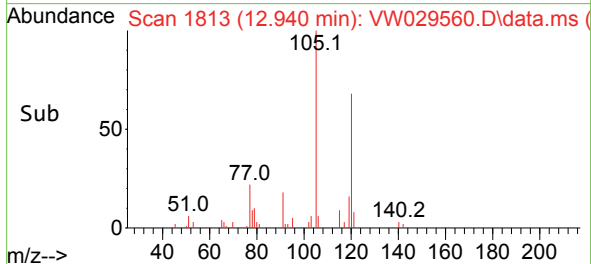
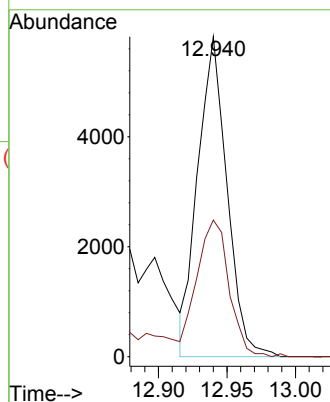
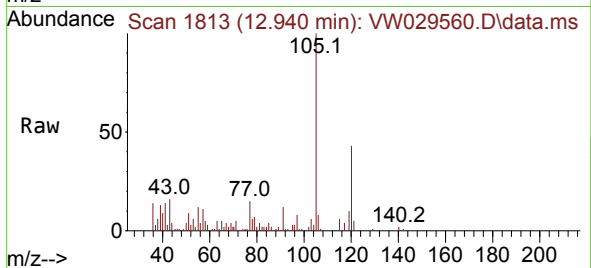
ClientSampleId :

Tgt Ion:105 Resp: 8623

Ion Ratio Lower Upper

105 100

120 46.9 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 0.552 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW029560.D

Acq: 12 Jul 2024 19:08

Tgt Ion:105 Resp: 11811

Ion Ratio Lower Upper

105 100

120 40.9 34.7 52.1

