

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071224\
 Data File : VW029557.D
 Acq On : 12 Jul 2024 17:32
 Operator : SY/MD
 Sample : P3230-02
 Misc : 5.95g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 23:28:05 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	8.849	114	347998	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.648	117	271425	25.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	13.556	152	107175	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.375	65	123454	21.960	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.840%
7) Chloroethane-d5	2.899	69	67592	16.698	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.800%
11) 1,1-Dichloroethene-d2	4.039	65	41071	16.269	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.080%
21) 2-Butanone-d5	7.088	46	67996	40.293	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.580%
24) Chloroform-d	7.667	84	159618	15.866	ug/L	0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	63.480%
26) 1,2-Dichloroethane-d4	8.313	65	109171	18.501	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.000%
32) Benzene-d6	8.289	84	310678	19.107	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.440%
36) 1,2-Dichloropropane-d6	9.282	67	103328	19.875	ug/L	0.01
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.520%
41) Toluene-d8	10.337	98	283452	19.822	ug/L	0.02
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.280%
43) trans-1,3-Dichloroprop...	10.581	79	49350	22.416	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.680%
47) 2-Hexanone-d5	10.648	63	66	0.070	ug/L	-0.27
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.140%#
56) 1,1,2,2-Tetrachloroeth...	12.696	84	92947	22.020	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.080%
66) 1,2-Dichlorobenzene-d4	13.855	152	66324	17.770	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	71.080%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	2.381	62	4742935	911.572	ug/L	94
12) 1,1-Dichloroethene	4.064	96	49010	11.325	ug/L #	66
13) Acetone	4.125	43	22791	13.381	ug/L	94
14) Carbon disulfide	4.405	76	11525	0.820	ug/L	99
15) Methyl Acetate	4.686	43	905	0.303	ug/L #	80
16) Methylene chloride	4.948	84	20143	3.233	ug/L	95
17) trans-1,2-Dichloroethene	5.454	96	147373	30.761	ug/L	93
19) 1,1-Dichloroethane	6.240	63	21769	2.213	ug/L	97
22) 2-Butanone	7.197	43	18386	8.222	ug/L #	1
30) 1,1,1-Trichloroethane	7.886	97	28865	4.657	ug/L	99
34) Trichloroethene	9.099	95	15910450	3547.805	ug/L	96
35) Methylcyclohexane	9.349	83	24946	3.461	ug/L	96
39) cis-1,3-Dichloropropene	10.044	75	3846	0.545	ug/L	84
42) Toluene	10.398	91	4079586	234.819	ug/L	99
45) 1,1,2-Trichloroethane	10.715	97	47011	13.920	ug/L #	36
46) Tetrachloroethene	10.880	164	30146515	9461.955	ug/L	96
48) 2-Hexanone	10.977	43	21393	8.604	ug/L #	41
49) Dibromochloromethane	11.038	129	12139594	3453.887	ug/L #	12
52) Ethylbenzene	11.745	91	327294	16.628	ug/L	99

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ClientSampleId :

Quant Time: Jul 12 23:28:05 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

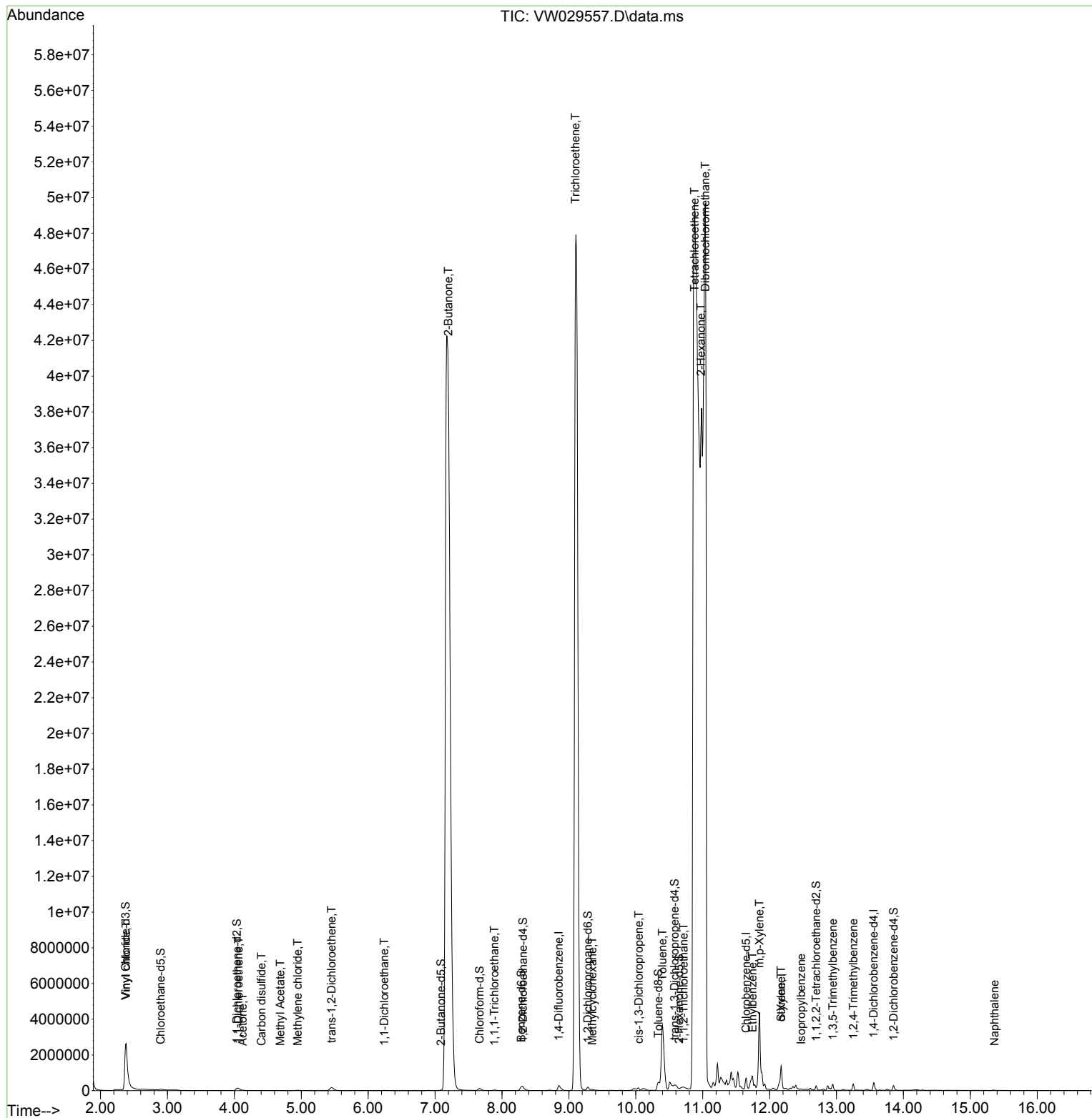
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	11.849	106	766314	106.052	ug/L	100
54) o-Xylene	12.172	106	296696	44.394	ug/L	95
55) Styrene	12.172	104	15298	1.302	ug/L #	1
60) Isopropylbenzene	12.471	105	34291	2.274	ug/L	98
62) 1,3,5-Trimethylbenzene	12.946	105	155178	14.467	ug/L	100
63) 1,2,4-Trimethylbenzene	13.251	105	188092	15.888	ug/L	98
71) Naphthalene	15.360	128	9352	1.148	ug/L	96

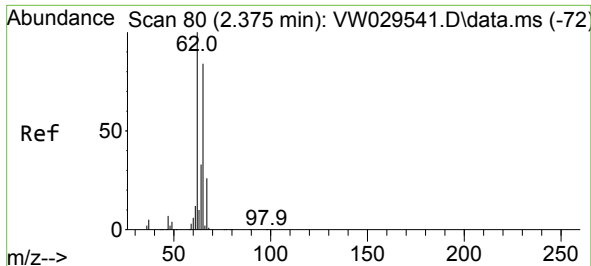
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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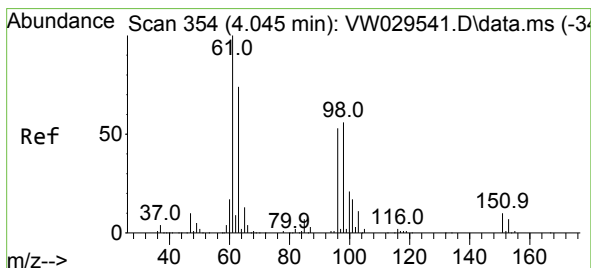
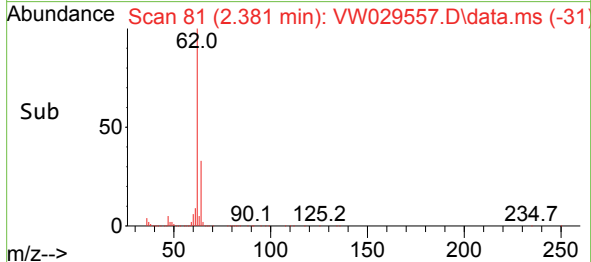
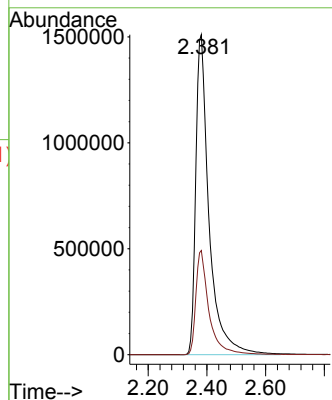
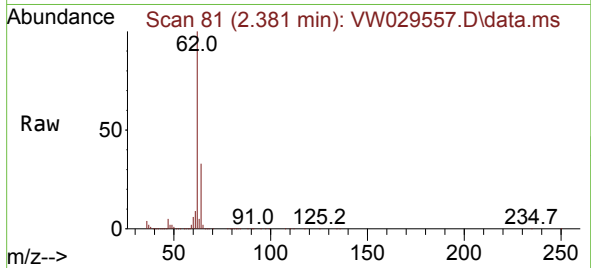




#5
 Vinyl chloride
 Concen: 911.572 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VW029557.D
 Acq: 12 Jul 2024 17:32

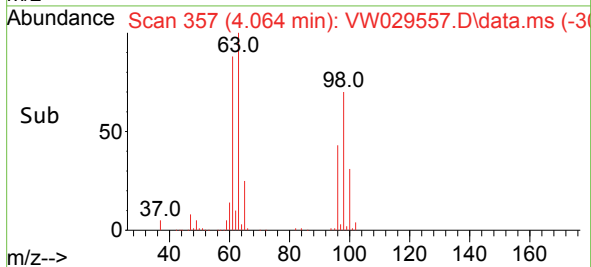
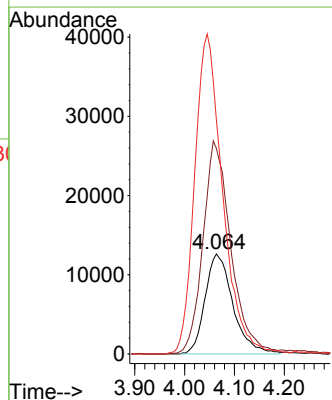
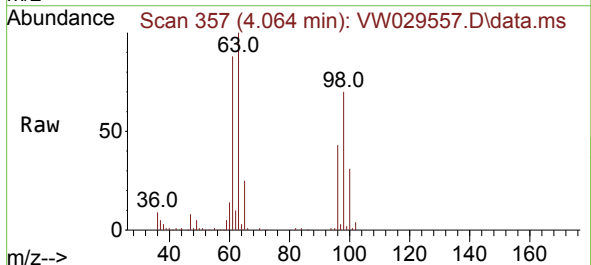
Instrument :
 MSVOA_W
 ClientSampleId :

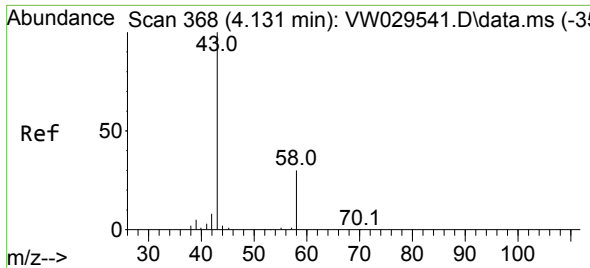
Tgt Ion: 62 Resp: 4742935
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.1 46.5



#12
 1,1-Dichloroethene
 Concen: 11.325 ug/L
 RT: 4.064 min Scan# 357
 Delta R.T. 0.018 min
 Lab File: VW029557.D
 Acq: 12 Jul 2024 17:32

Tgt Ion: 96 Resp: 49010
 Ion Ratio Lower Upper
 96 100
 61 205.4 132.4 245.8
 63 234.2 108.4 201.2#





#13

Acetone

Concen: 13.381 ug/L

RT: 4.125 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW029557.D

Acq: 12 Jul 2024 17:32

Instrument :

MSVOA_W

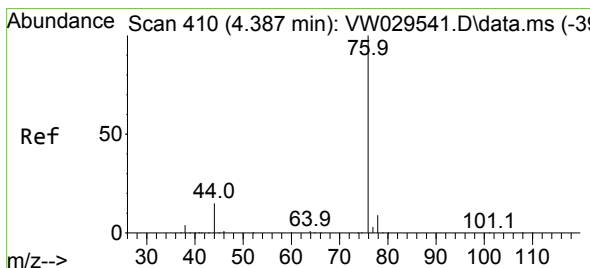
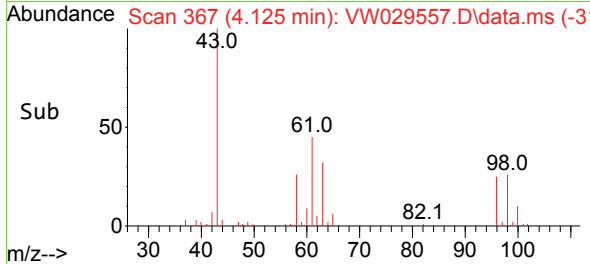
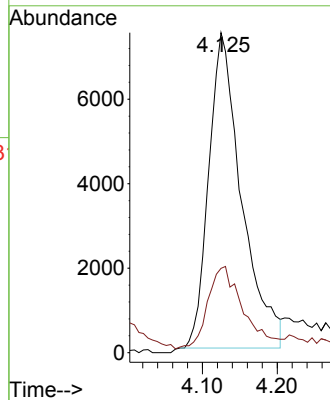
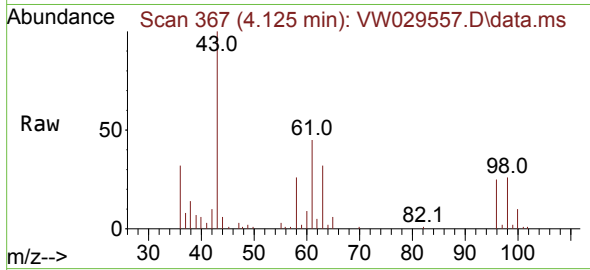
ClientSampleId :

Tgt Ion: 43 Resp: 22791

Ion Ratio Lower Upper

43 100

58 30.8 0.0 55.6



#14

Carbon disulfide

Concen: 0.820 ug/L

RT: 4.405 min Scan# 413

Delta R.T. 0.018 min

Lab File: VW029557.D

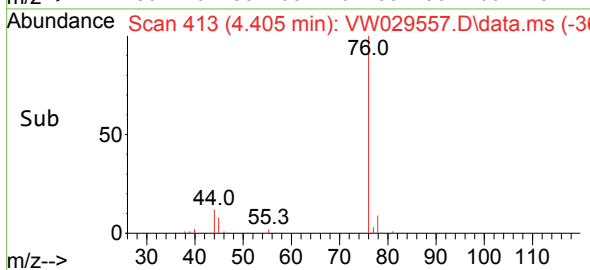
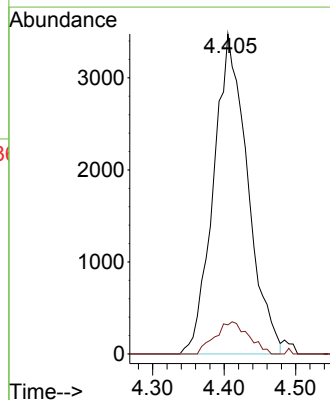
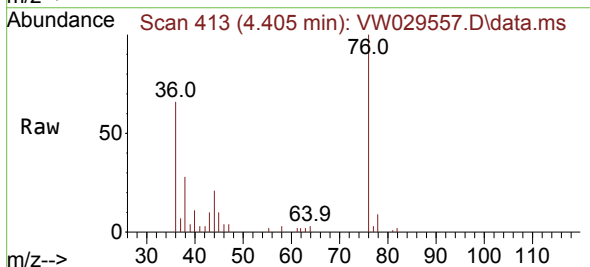
Acq: 12 Jul 2024 17:32

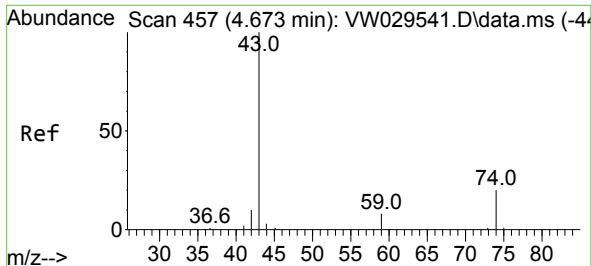
Tgt Ion: 76 Resp: 11525

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

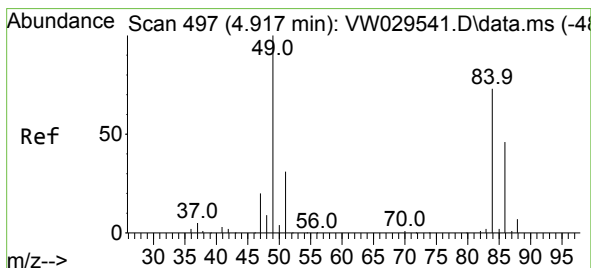
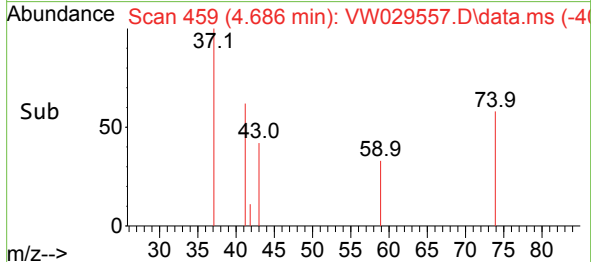
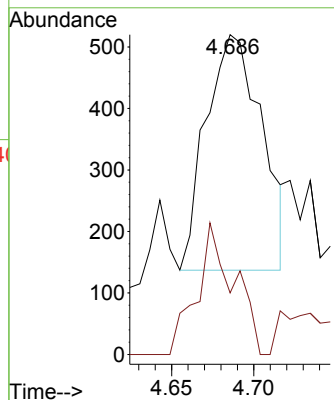
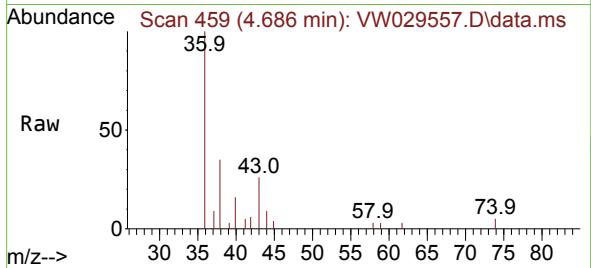




#15
Methyl Acetate
Concen: 0.303 ug/L
RT: 4.686 min Scan# 41
Delta R.T. 0.012 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

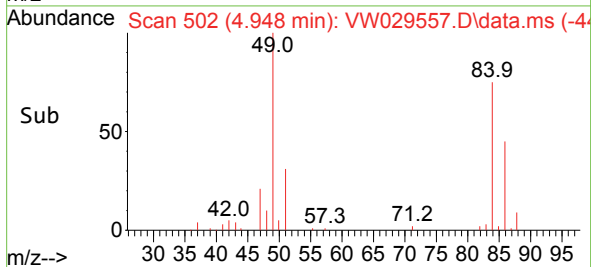
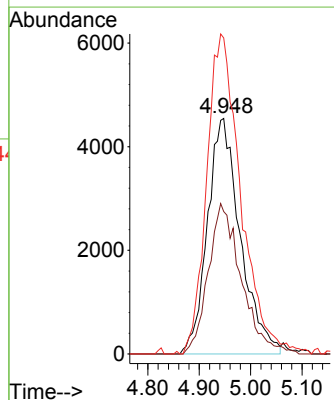
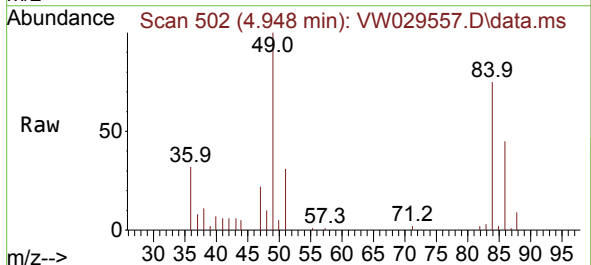
Instrument :
MSVOA_W
ClientSampleId :

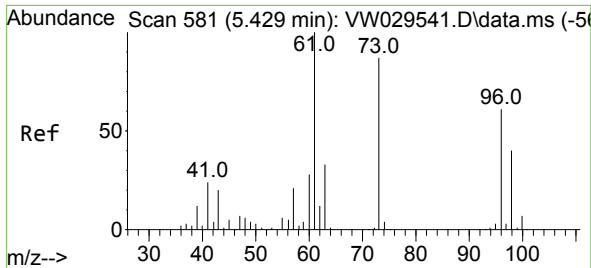
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
74 10.8 16.2 24.4#



#16
Methylene chloride
Concen: 3.233 ug/L
RT: 4.948 min Scan# 502
Delta R.T. 0.031 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

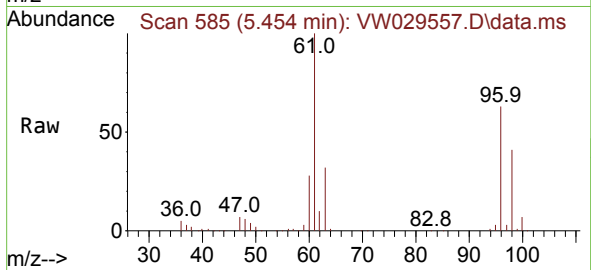
Tgt Ion: 84 Resp: 20143
Ion Ratio Lower Upper
84 100
86 60.5 46.2 85.8
49 134.1 96.7 179.7



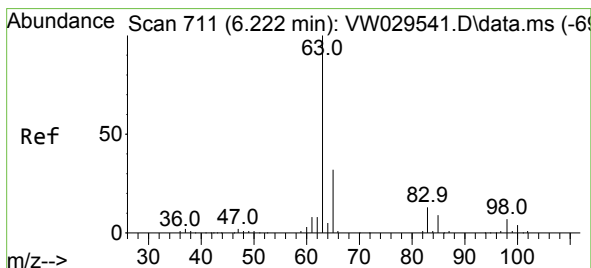
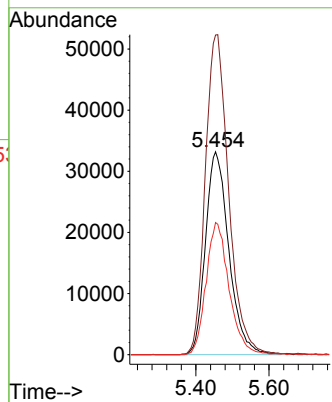
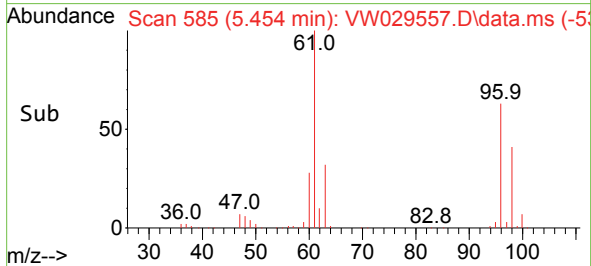


#17
trans-1,2-Dichloroethene
Concen: 30.761 ug/L
RT: 5.454 min Scan# 581
Delta R.T. 0.024 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

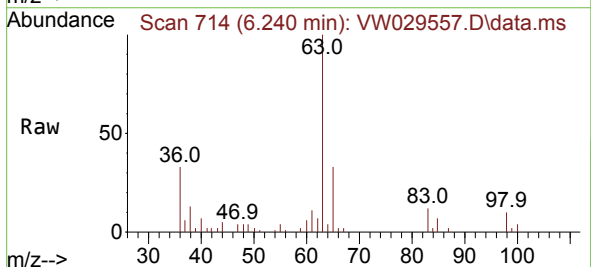
Instrument :
MSVOA_W
ClientSampleId :



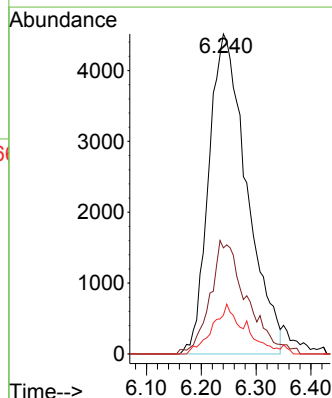
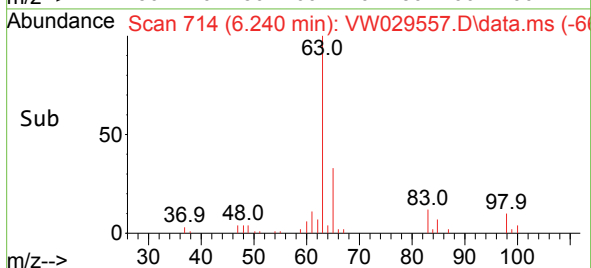
Tgt Ion: 96 Resp: 147373
Ion Ratio Lower Upper
96 100
61 157.5 102.9 191.1
98 65.1 43.9 81.5

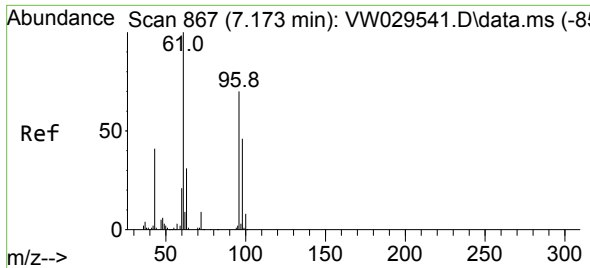


#19
1,1-Dichloroethane
Concen: 2.213 ug/L
RT: 6.240 min Scan# 714
Delta R.T. 0.018 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32



Tgt Ion: 63 Resp: 21769
Ion Ratio Lower Upper
63 100
65 33.1 21.5 39.9
83 12.1 8.7 16.1

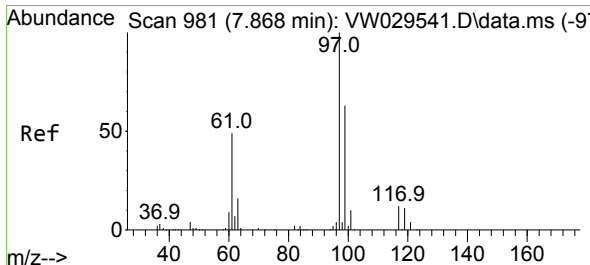
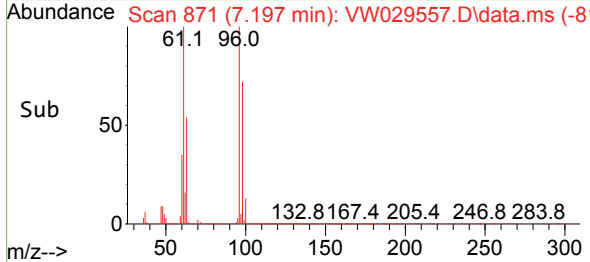
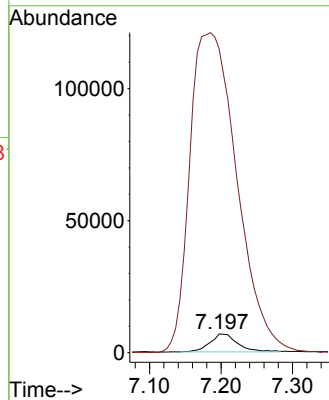
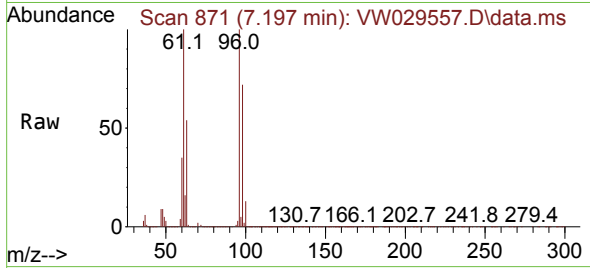




#22
2-Butanone
Concen: 8.222 ug/L
RT: 7.197 min Scan# 81
Delta R.T. 0.024 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

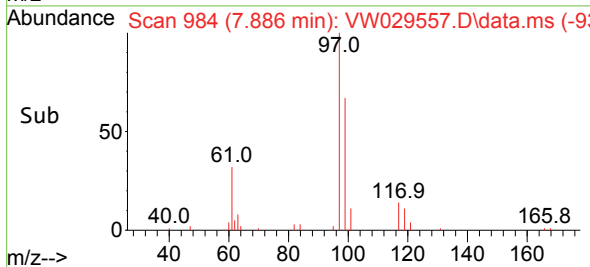
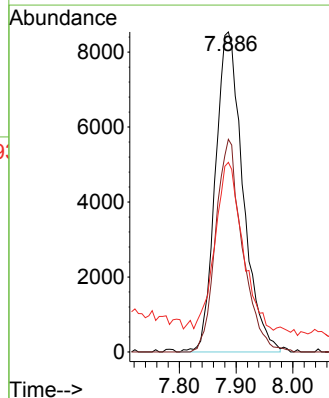
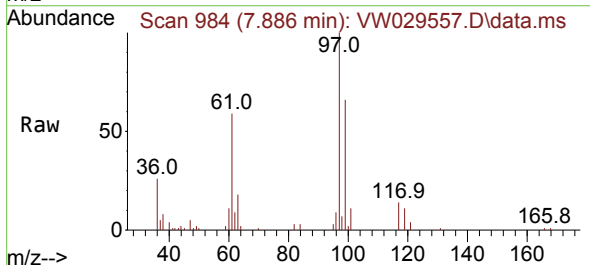
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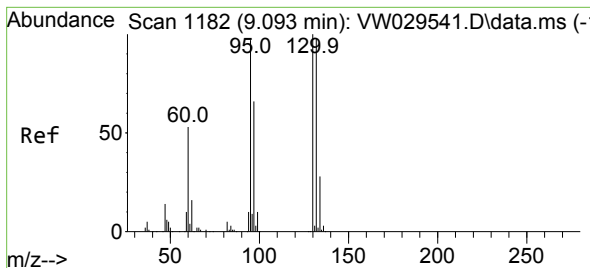
Tgt Ion: 43 Resp: 18386
Ion Ratio Lower Upper
43 100
72 3016.2 12.0 36.1#



#30
1,1,1-Trichloroethane
Concen: 4.657 ug/L
RT: 7.886 min Scan# 984
Delta R.T. 0.018 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

Tgt Ion: 97 Resp: 28865
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 51.8 40.6 61.0





#34

Trichloroethene

Concen: 3547.805 ug/L

RT: 9.099 min Scan# 1182

Delta R.T. 0.006 min

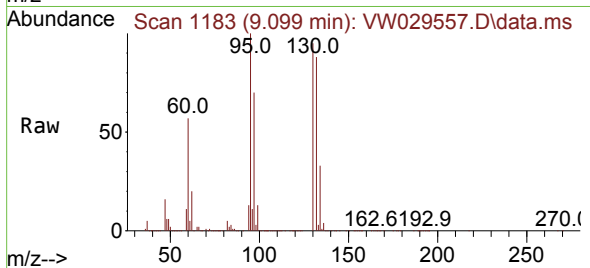
Lab File: VW029557.D

Acq: 12 Jul 2024 17:32

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp:15910450

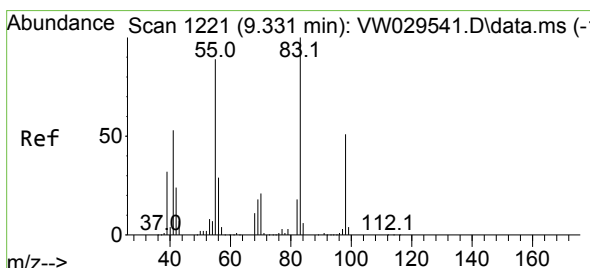
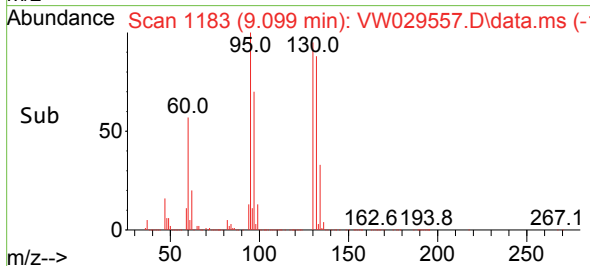
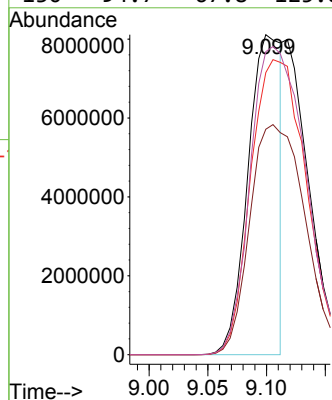
Ion Ratio Lower Upper

95 100

97 70.4 47.3 87.9

132 88.1 65.8 122.2

130 94.7 67.8 125.8



#35

Methylcyclohexane

Concen: 3.461 ug/L

RT: 9.349 min Scan# 1224

Delta R.T. 0.018 min

Lab File: VW029557.D

Acq: 12 Jul 2024 17:32

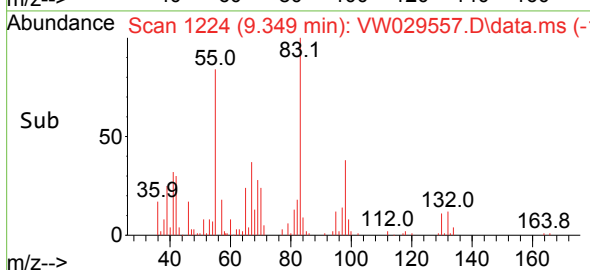
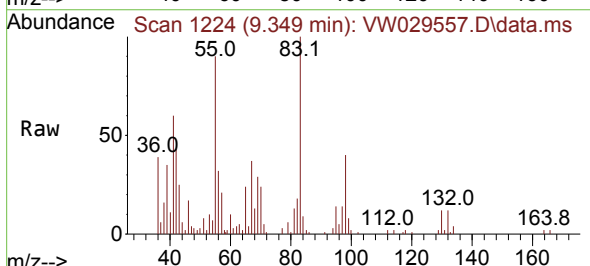
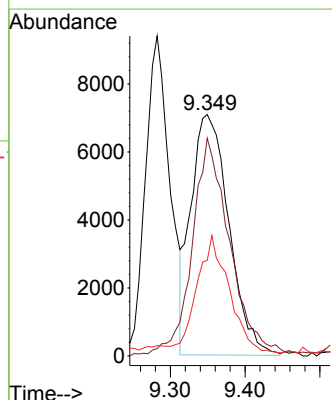
Tgt Ion: 83 Resp: 24946

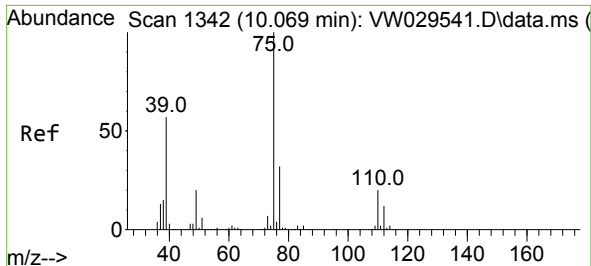
Ion Ratio Lower Upper

83 100

55 86.1 69.6 104.4

98 41.2 38.3 57.5

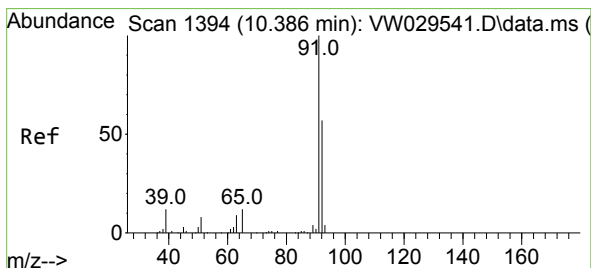
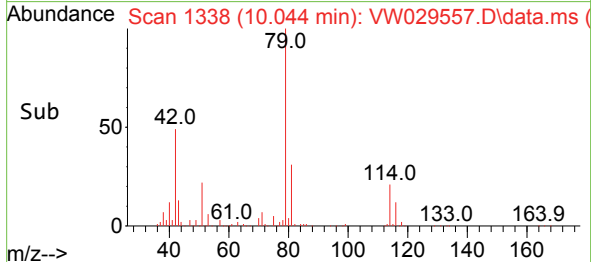
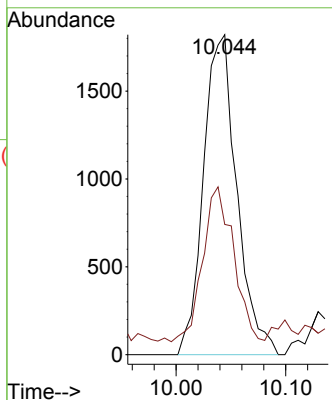
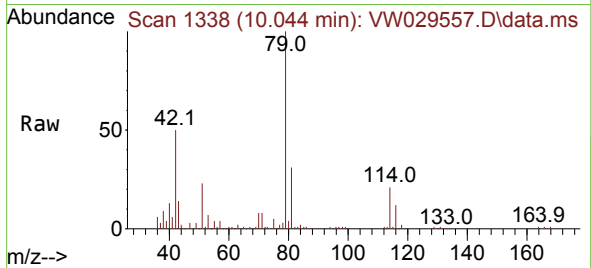




#39
 cis-1,3-Dichloropropene
 Concen: 0.545 ug/L
 RT: 10.044 min Scan# 1338
 Delta R.T. -0.024 min
 Lab File: VW029557.D
 Acq: 12 Jul 2024 17:32

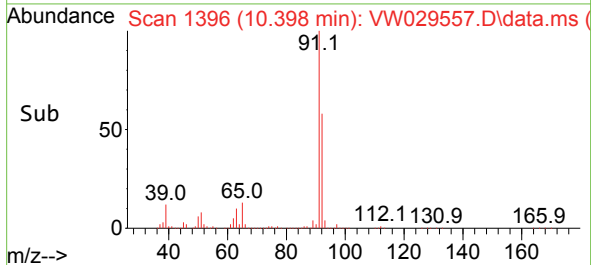
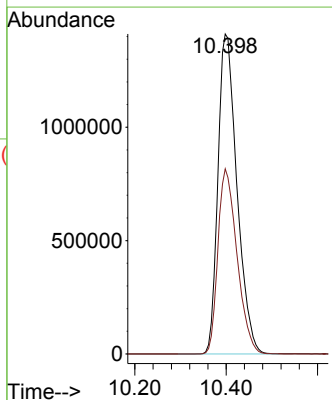
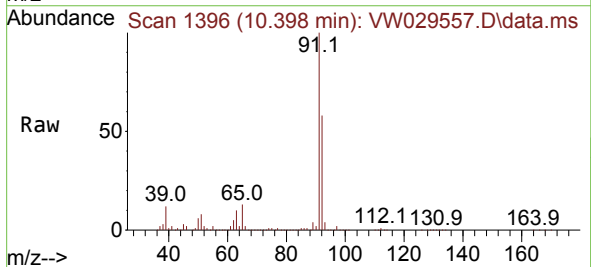
Instrument :
 MSVOA_W
 ClientSampleId :

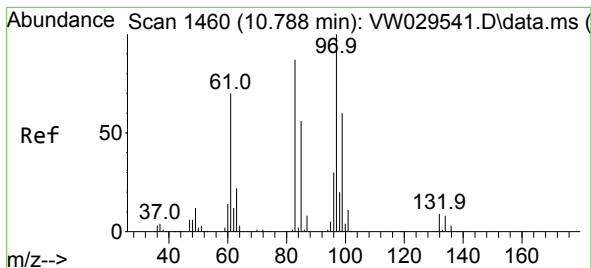
Tgt Ion: 75 Resp: 3846
 Ion Ratio Lower Upper
 75 100
 77 40.7 22.2 41.2



#42
 Toluene
 Concen: 234.819 ug/L
 RT: 10.398 min Scan# 1396
 Delta R.T. 0.012 min
 Lab File: VW029557.D
 Acq: 12 Jul 2024 17:32

Tgt Ion: 91 Resp: 4079586
 Ion Ratio Lower Upper
 91 100
 92 57.9 41.1 76.3





#45

1,1,2-Trichloroethane

Concen: 13.920 ug/L

RT: 10.715 min Scan# 14

Delta R.T. -0.073 min

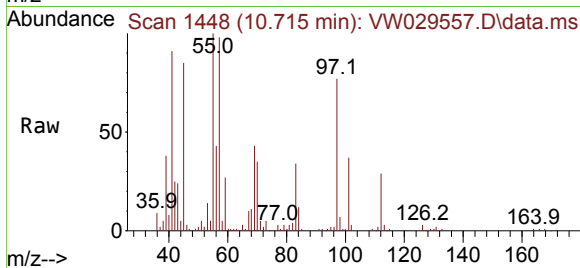
Lab File: VW029557.D

Acq: 12 Jul 2024 17:32

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 47011

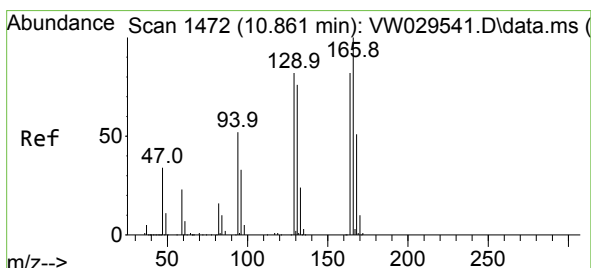
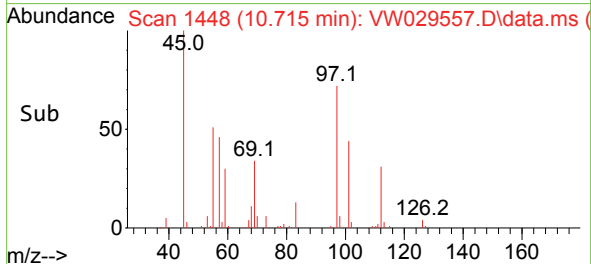
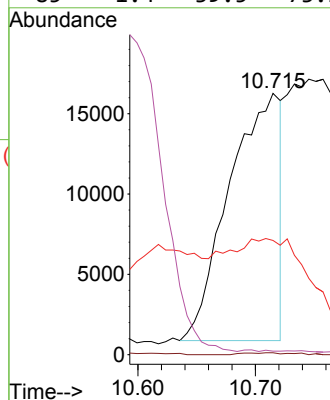
Ion Ratio Lower Upper

97 100

99 0.7 43.8 81.4#

83 43.7 60.3 111.9#

85 1.4 39.5 73.3#



#46

Tetrachloroethene

Concen: 9461.955 ug/L

RT: 10.880 min Scan# 1475

Delta R.T. 0.018 min

Lab File: VW029557.D

Acq: 12 Jul 2024 17:32

Tgt Ion:164 Resp:30146515

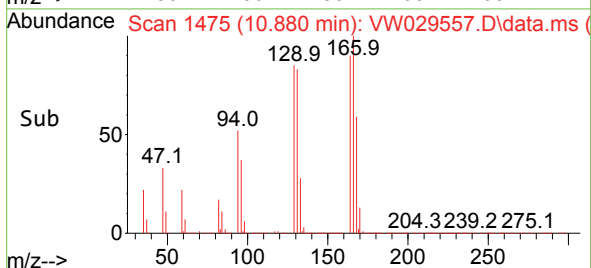
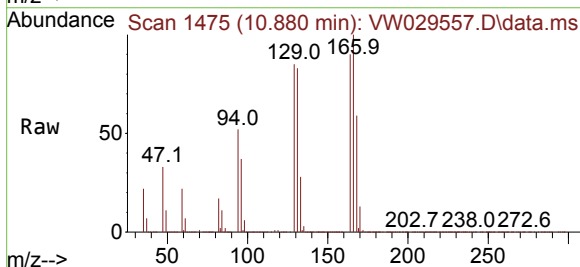
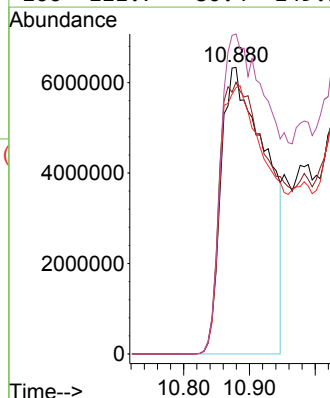
Ion Ratio Lower Upper

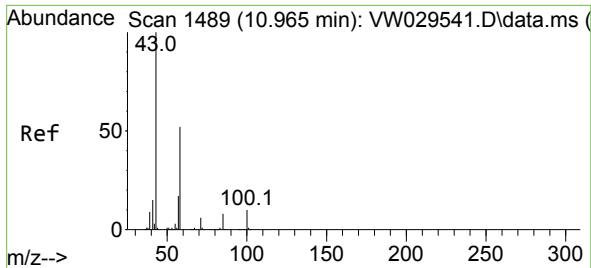
164 100

129 94.8 60.0 111.4

131 93.0 64.6 120.0

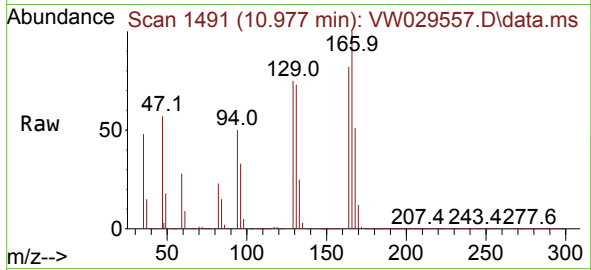
166 111.7 80.4 149.2



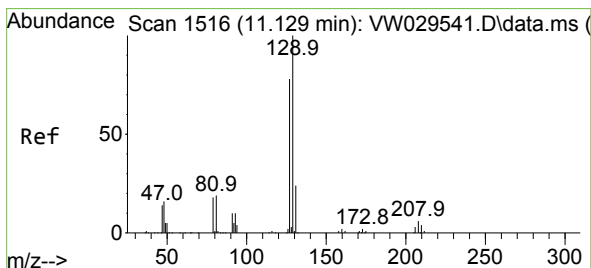
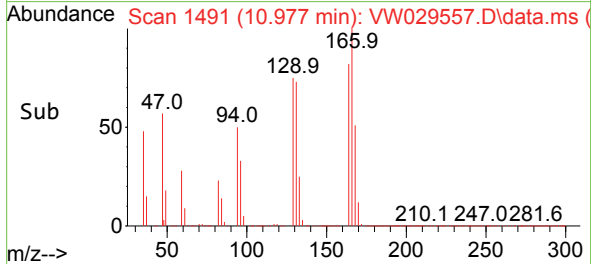
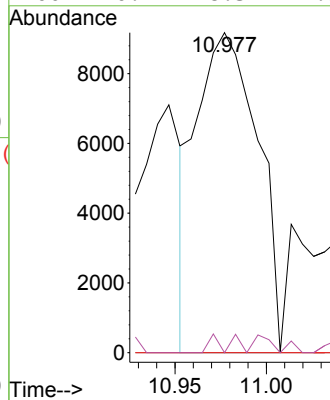


#48
2-Hexanone
Concen: 8.604 ug/L
RT: 10.977 min Scan# 1489
Delta R.T. 0.012 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

Instrument :
MSVOA_W
ClientSampleId :

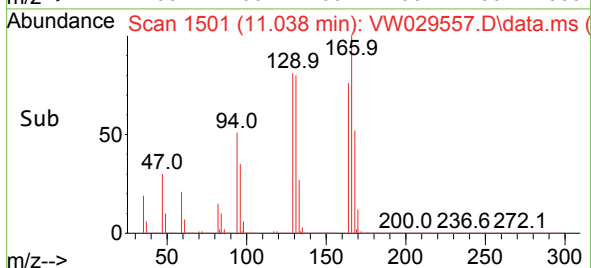
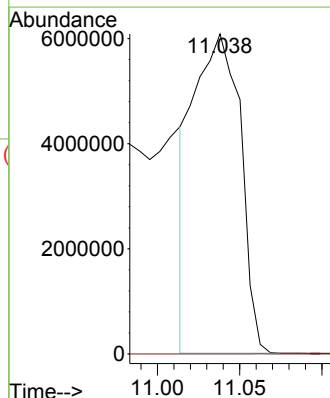
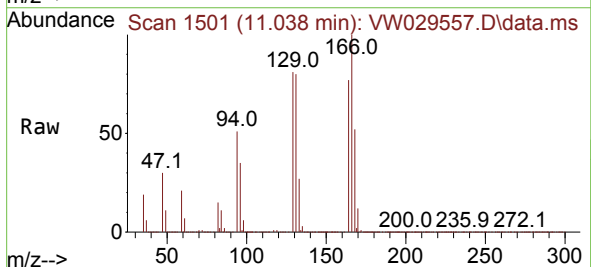


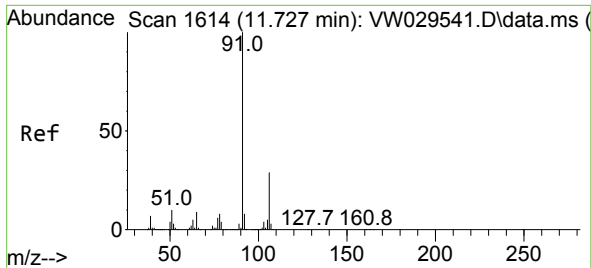
Tgt Ion: 43 Resp: 21393
Ion Ratio Lower Upper
43 100
58 0.0 39.8 59.8#
57 0.0 14.6 21.8#
100 0.9 8.3 12.5#



#49
Dibromochloromethane
Concen: 3453.887 ug/L
RT: 11.038 min Scan# 1501
Delta R.T. -0.091 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

Tgt Ion: 129 Resp: 12139594
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.3#

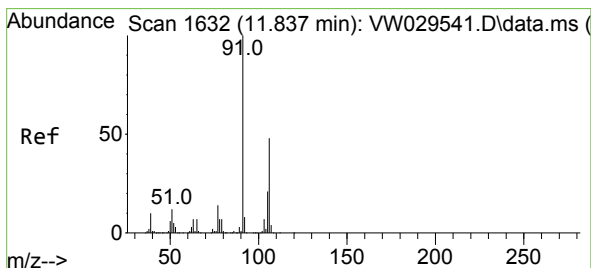
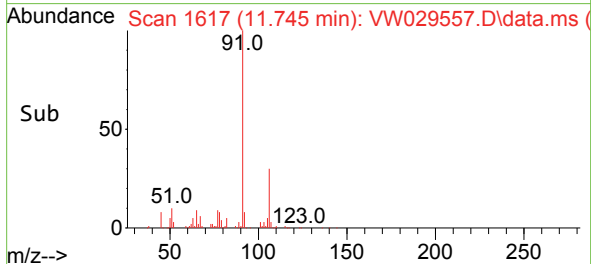
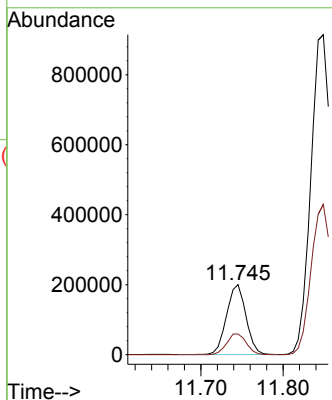
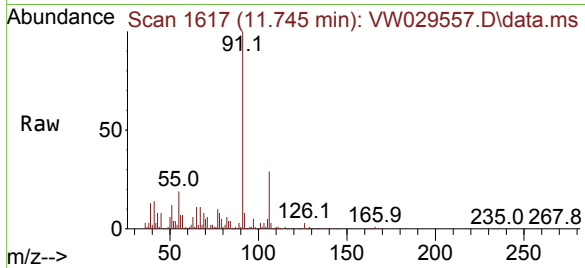




#52
Ethylbenzene
Concen: 16.628 ug/L
RT: 11.745 min Scan# 1617
Delta R.T. 0.018 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

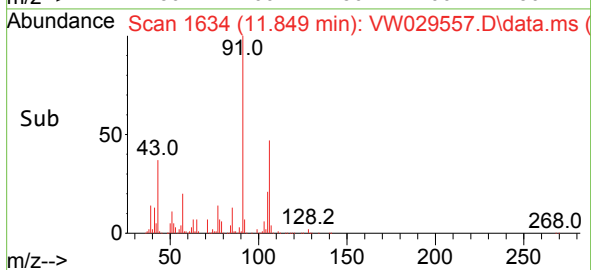
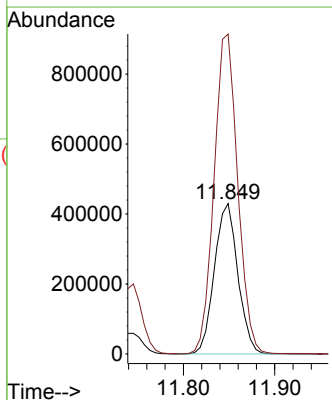
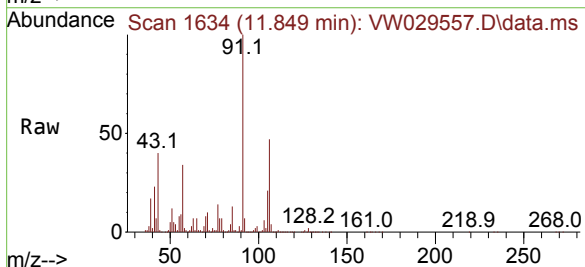
Instrument :
MSVOA_W
ClientSampleId :

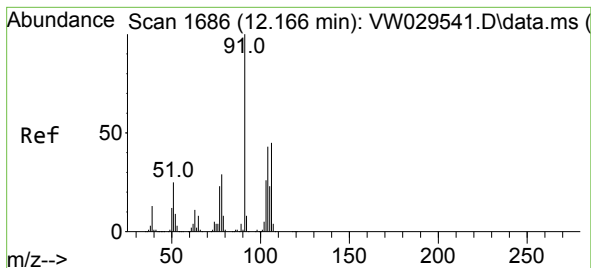
Tgt Ion: 91 Resp: 327294
Ion Ratio Lower Upper
91 100
106 29.4 20.2 37.6



#53
m,p-Xylene
Concen: 106.052 ug/L
RT: 11.849 min Scan# 1634
Delta R.T. 0.012 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

Tgt Ion:106 Resp: 766314
Ion Ratio Lower Upper
106 100
91 212.7 149.3 277.3

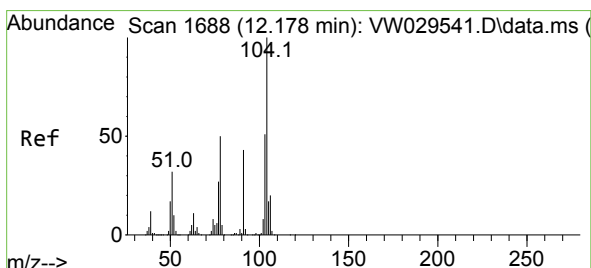
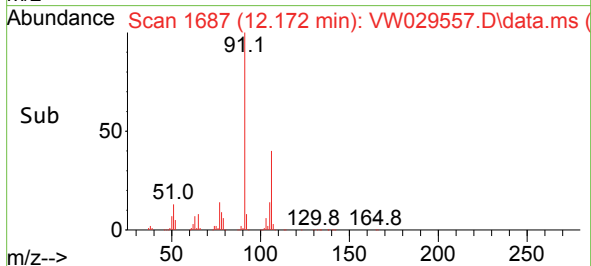
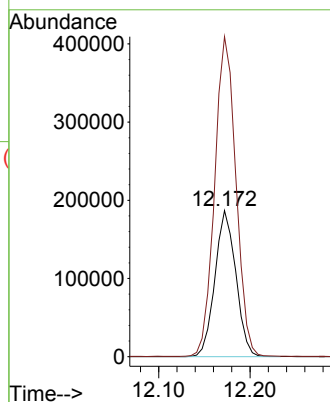
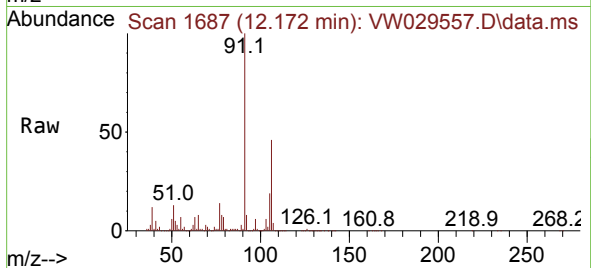




#54
o-Xylene
Concen: 44.394 ug/L
RT: 12.172 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

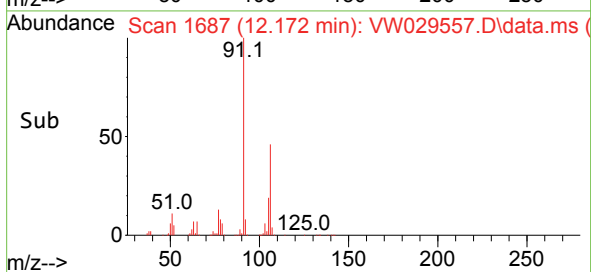
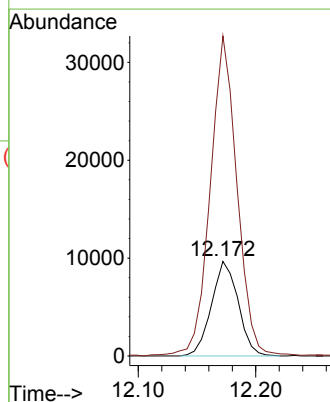
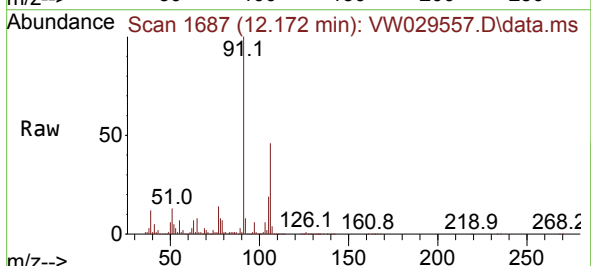
Instrument :
MSVOA_W
ClientSampleId :

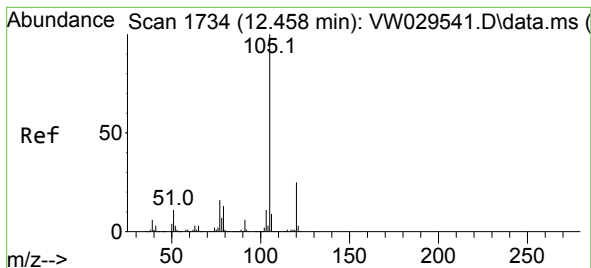
Tgt Ion:106 Resp: 296696
Ion Ratio Lower Upper
106 100
91 219.2 159.2 295.6



#55
Styrene
Concen: 1.302 ug/L
RT: 12.172 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

Tgt Ion:104 Resp: 15298
Ion Ratio Lower Upper
104 100
78 338.3 34.7 64.5#





#60

Isopropylbenzene

Concen: 2.274 ug/L

RT: 12.471 min Scan# 1

Delta R.T. 0.012 min

Lab File: VW029557.D

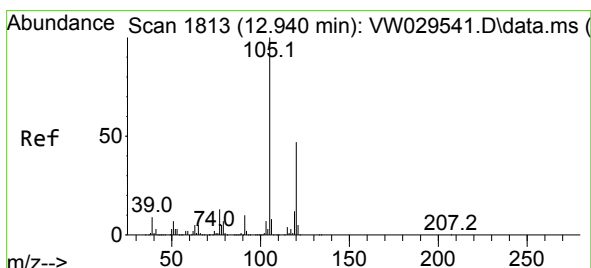
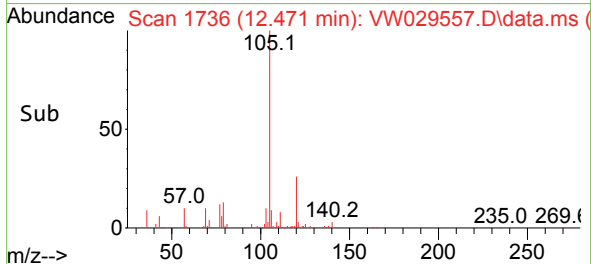
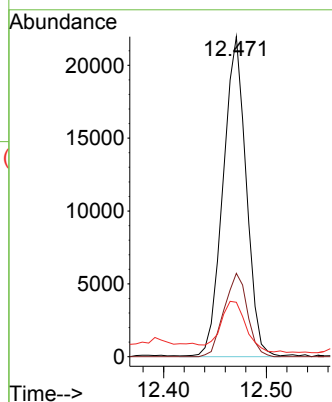
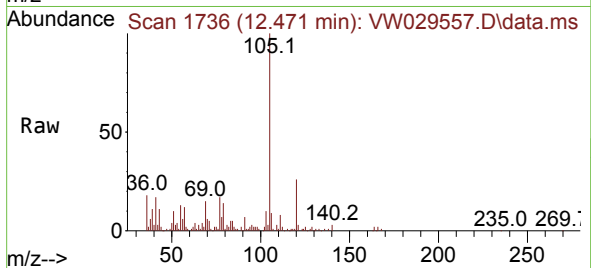
Acq: 12 Jul 2024 17:32

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	105	Resp:	34291
Ion Ratio	Lower	Upper	
105	100		
120	26.2	20.2	30.4
77	17.7	13.6	20.4



#62

1,3,5-Trimethylbenzene

Concen: 14.467 ug/L

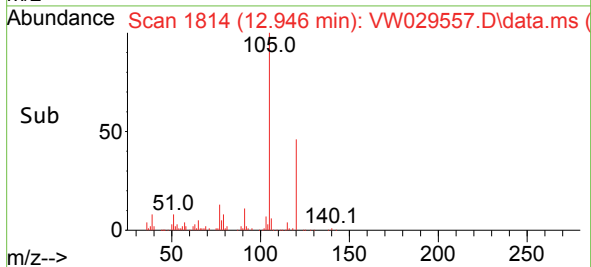
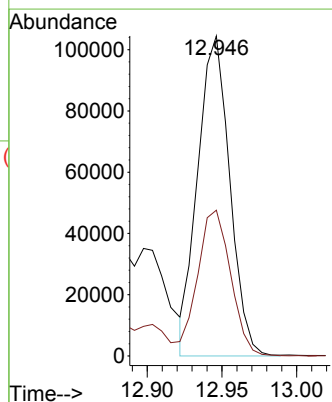
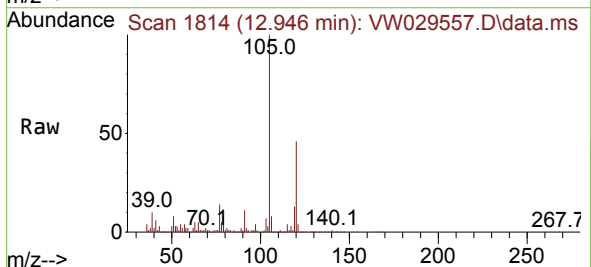
RT: 12.946 min Scan# 1814

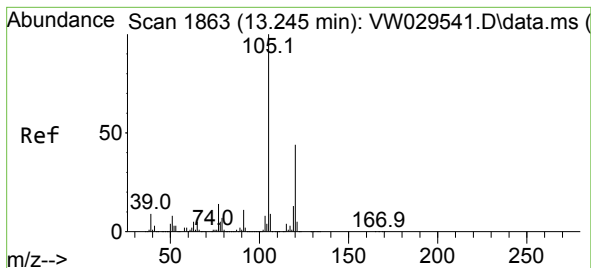
Delta R.T. 0.006 min

Lab File: VW029557.D

Acq: 12 Jul 2024 17:32

Tgt Ion:	105	Resp:	155178
Ion Ratio	Lower	Upper	
105	100		
120	47.8	38.4	57.6

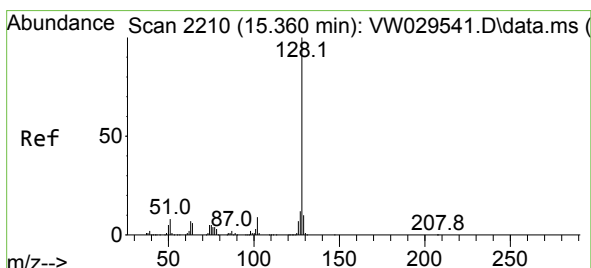
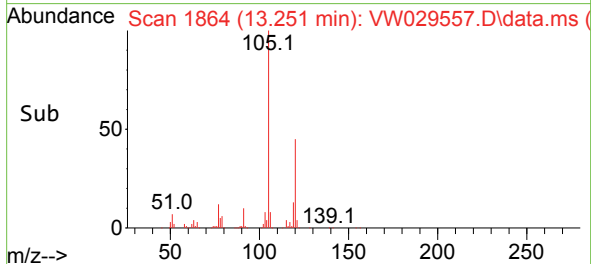
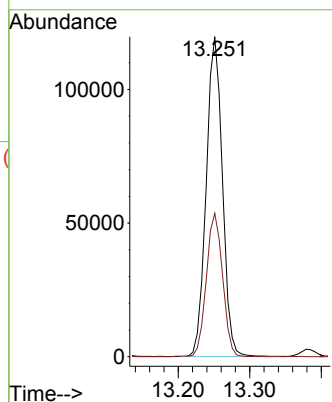
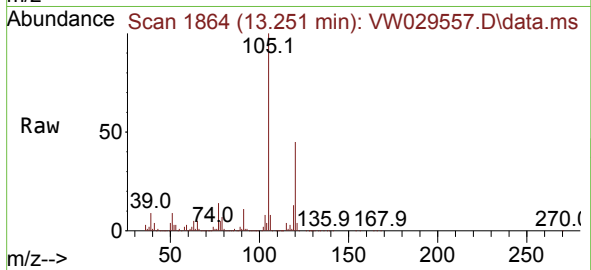




#63
1,2,4-Trimethylbenzene
Concen: 15.888 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:105 Resp: 188092
Ion Ratio Lower Upper
105 100
120 44.8 34.7 52.1



#71
Naphthalene
Concen: 1.148 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW029557.D
Acq: 12 Jul 2024 17:32

Tgt Ion:128 Resp: 9352
Ion Ratio Lower Upper
128 100
127 14.9 10.6 15.8
129 9.8 9.0 13.4

