

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082924\
 Data File : VW030100.D
 Acq On : 29 Aug 2024 15:21
 Operator : SY/MD
 Sample : P3733-13
 Misc : 6.95g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 29 21:34:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Aug 29 21:32:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	246145	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	176077	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	47064	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	74123	20.236	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.960%
7) Chloroethane-d5	2.893	69	54923	21.126	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.520%
11) 1,1-Dichloroethene-d2	4.021	65	31837	20.343	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.360%
21) 2-Butanone-d5	7.075	46	47764	65.414	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	130.820%
24) Chloroform-d	7.648	84	142686	21.496	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.000%
26) 1,2-Dichloroethane-d4	8.307	65	81471	24.172	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.680%
32) Benzene-d6	8.270	84	270273	26.005	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	9.270	67	90765	29.808	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	119.240%
41) Toluene-d8	10.325	98	214114	22.634	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.520%
43) trans-1,3-Dichloroprop...	10.575	79	30669	24.485	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.920%
47) 2-Hexanone-d5	10.922	63	34378	73.766	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	147.540%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	70989	31.664	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	126.640%#
66) 1,2-Dichlorobenzene-d4	13.849	152	36139	21.229	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.920%
Target Compounds						
					Qvalue	
13) Acetone	4.125	43	32306	48.372	ug/L	95
14) Carbon disulfide	4.399	76	9878	1.009	ug/L	100
16) Methylene chloride	4.923	84	10064	2.475	ug/L	93
22) 2-Butanone	7.173	43	9366	9.800	ug/L	91
29) Cyclohexane	7.929	56	5593	1.316	ug/L #	78
33) Benzene	8.319	78	283555	25.135	ug/L	100
35) Methylcyclohexane	9.331	83	12221	2.456	ug/L #	72
39) cis-1,3-Dichloropropene	10.032	75	2460	0.559	ug/L #	64
42) Toluene	10.386	91	196322	16.341	ug/L	99
45) 1,1,2-Trichloroethane	10.764	97	1616	0.772	ug/L #	26
46) Tetrachloroethene	10.861	164	4298	1.864	ug/L	89
48) 2-Hexanone	10.928	43	7294	7.215	ug/L #	47
49) Dibromochloromethane	10.855	129	4435	1.993	ug/L #	12
52) Ethylbenzene	11.727	91	51521	3.785	ug/L	96
53) m,p-Xylene	11.831	106	19291	3.797	ug/L	94
54) o-Xylene	12.166	106	9787	2.007	ug/L	100
60) Isopropylbenzene	12.459	105	5860	0.780	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	4449	0.797	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	10167	1.728	ug/L	89

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM082624SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Aug 29 21:32:12 2024
Response via : Initial Calibration

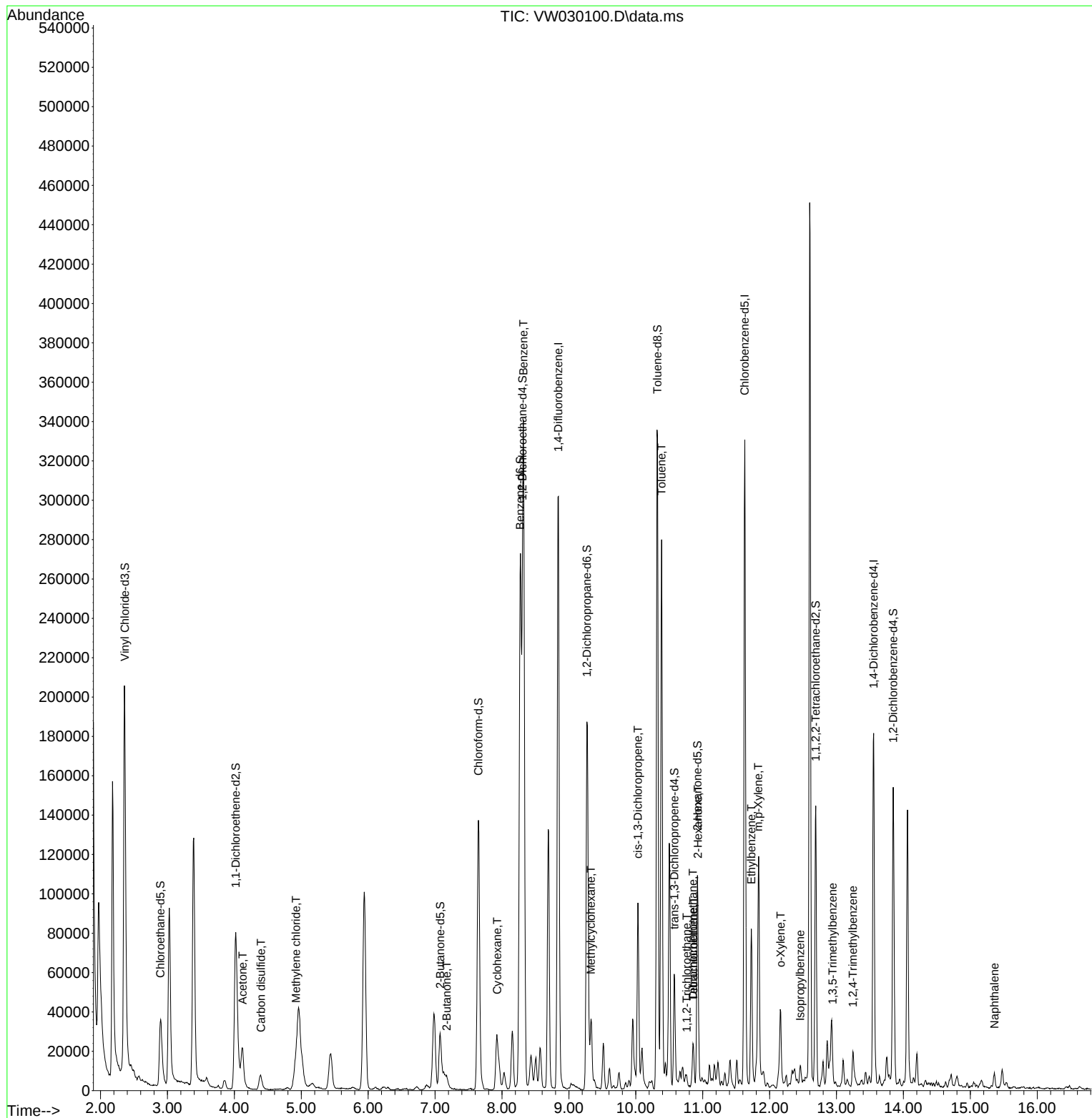
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.360	128	5877	1.702	ug/L	# 95

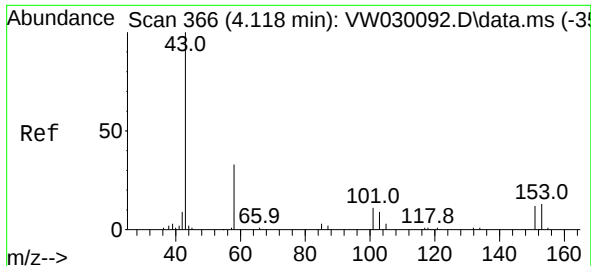
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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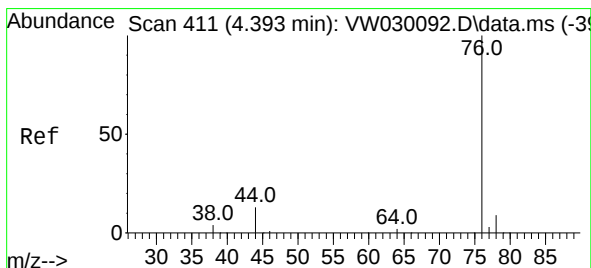
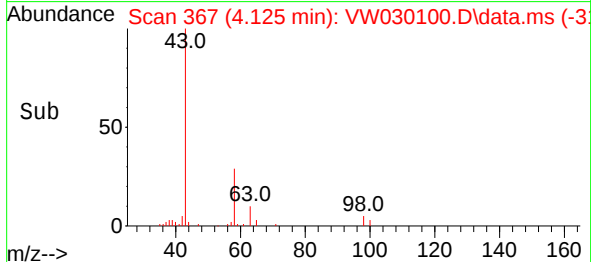
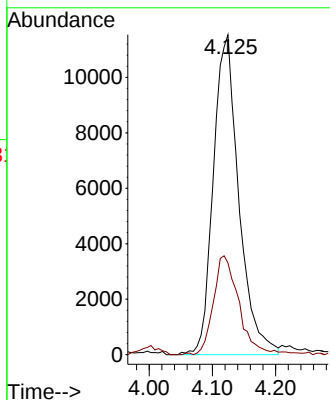
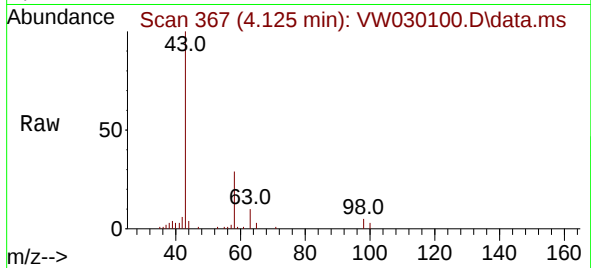




#13
Acetone
Concen: 48.372 ug/L
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

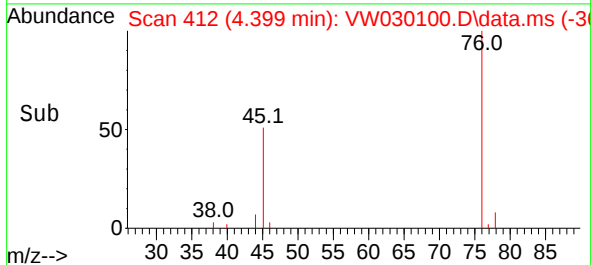
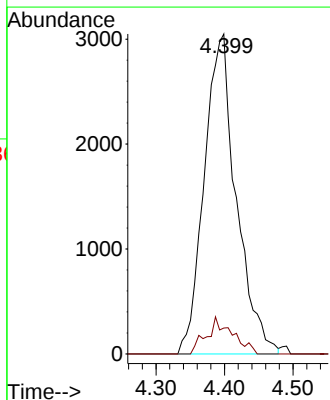
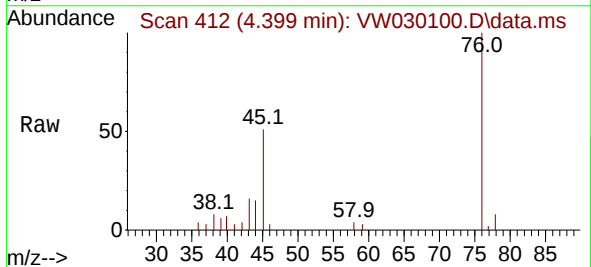
Instrument :
MSVOA_W
ClientSampleId :

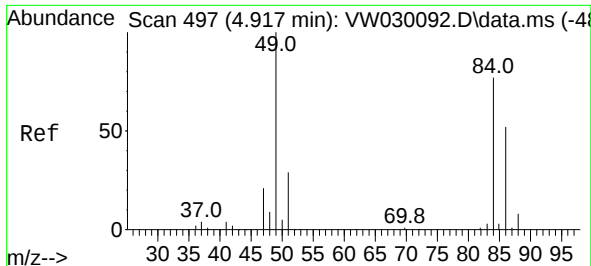
Tgt Ion: 43 Resp: 32306
Ion Ratio Lower Upper
43 100
58 30.3 0.0 66.4



#14
Carbon disulfide
Concen: 1.009 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.006 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

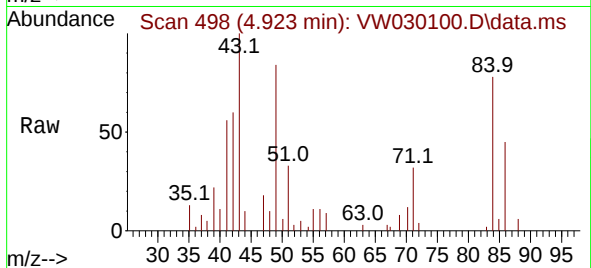
Tgt Ion: 76 Resp: 9878
Ion Ratio Lower Upper
76 100
78 8.1 6.6 9.8





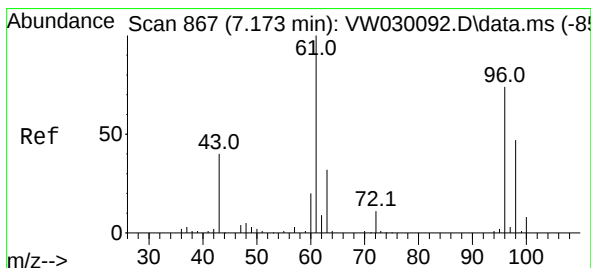
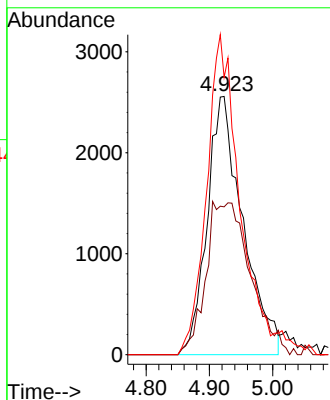
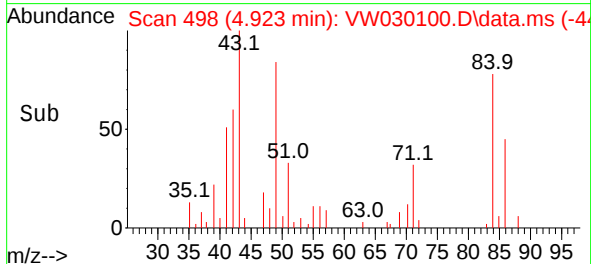
#16
Methylene chloride
Concen: 2.475 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 84 Resp: 10064

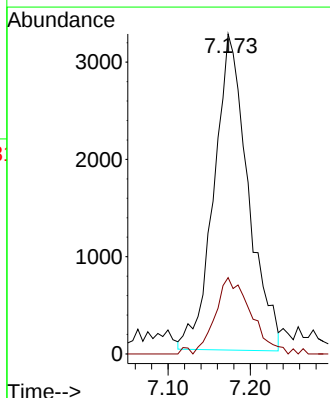
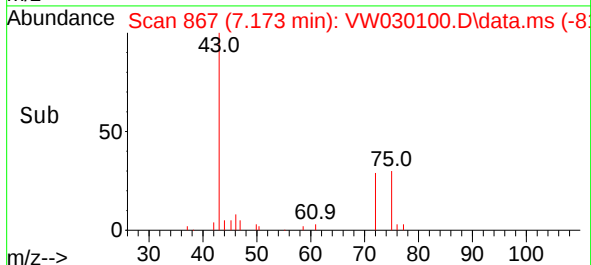
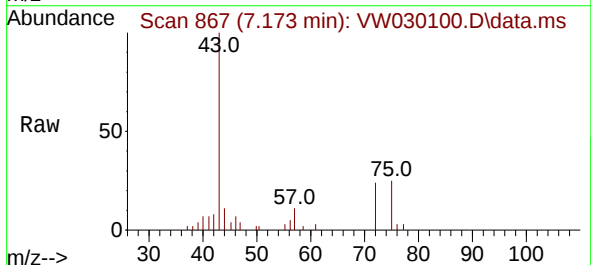
Ion	Ratio	Lower	Upper
84	100		
86	57.2	44.2	82.2
49	107.3	79.9	148.3

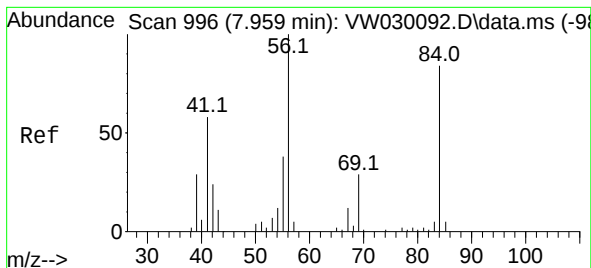


#22
2-Butanone
Concen: 9.800 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

Tgt Ion: 43 Resp: 9366

Ion	Ratio	Lower	Upper
43	100		
72	25.0	15.0	45.1





#29

Cyclohexane

Concen: 1.316 ug/L

RT: 7.929 min Scan# 991

Delta R.T. -0.030 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :

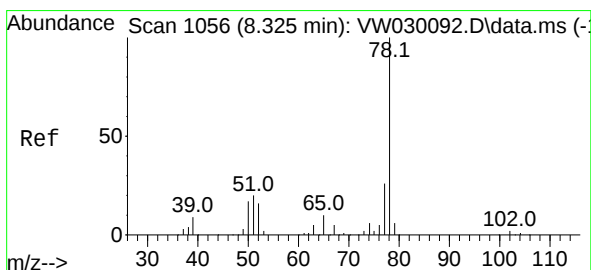
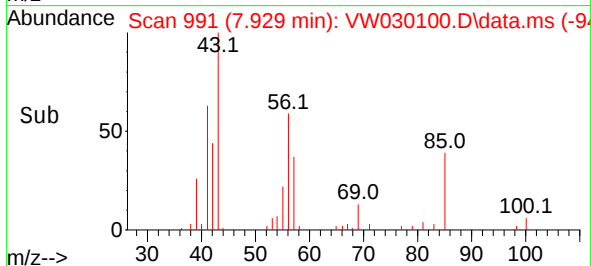
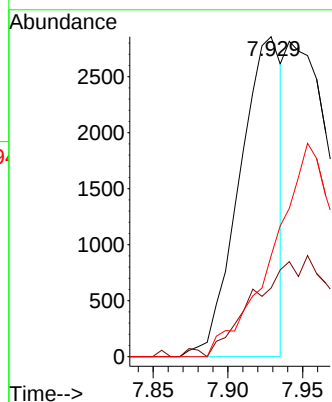
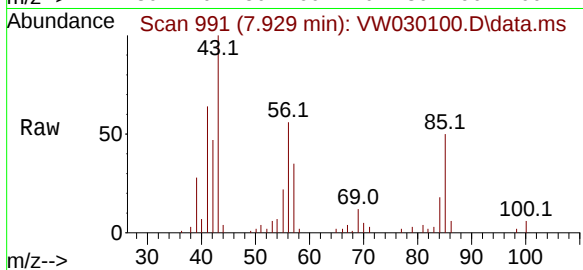
Tgt Ion: 56 Resp: 5593

Ion Ratio Lower Upper

56 100

69 5.8 24.4 36.6#

84 97.2 68.1 102.1



#33

Benzene

Concen: 25.135 ug/L

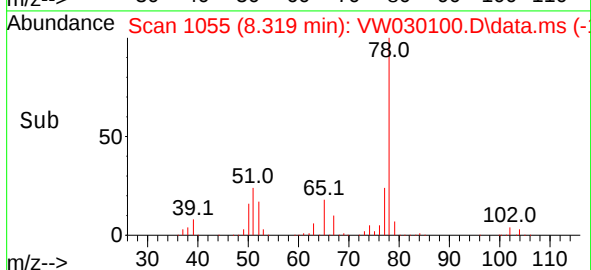
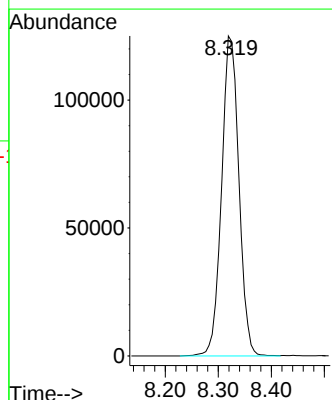
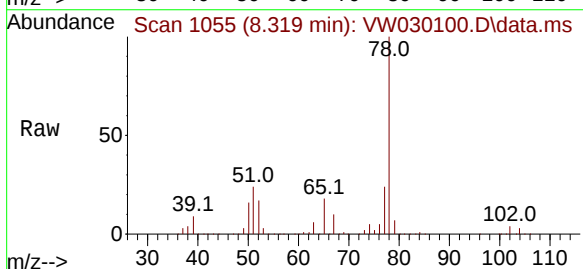
RT: 8.319 min Scan# 1055

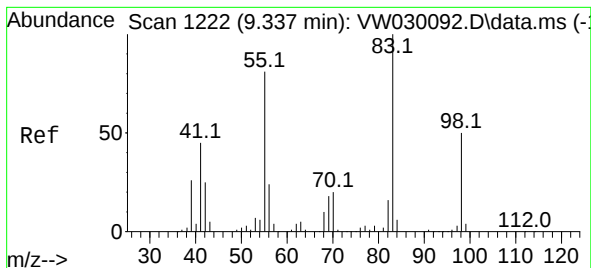
Delta R.T. -0.006 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Tgt Ion: 78 Resp: 283555





#35

Methylcyclohexane

Concen: 2.456 ug/L

RT: 9.331 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :

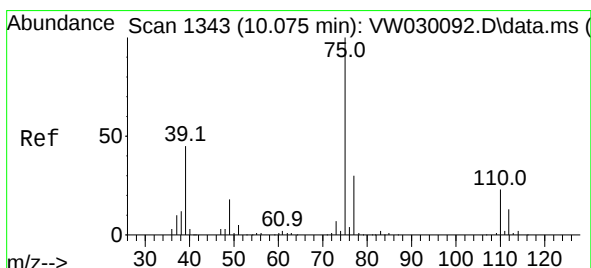
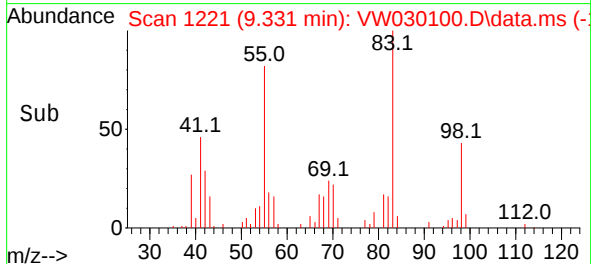
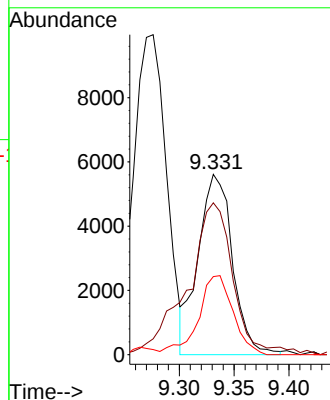
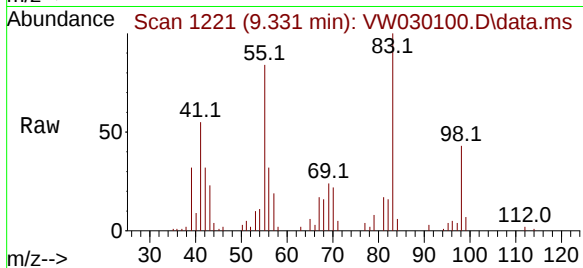
Tgt Ion: 83 Resp: 12221

Ion Ratio Lower Upper

83 100

55 109.4 59.0 88.6#

98 44.3 38.2 57.4



#39

cis-1,3-Dichloropropene

Concen: 0.559 ug/L

RT: 10.032 min Scan# 1336

Delta R.T. -0.043 min

Lab File: VW030100.D

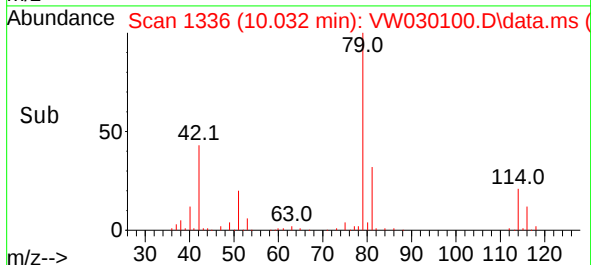
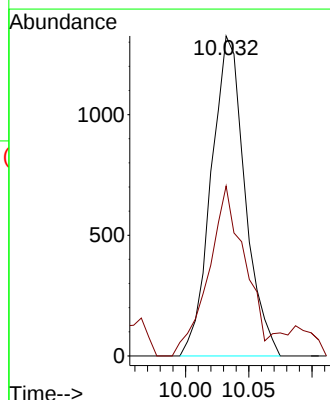
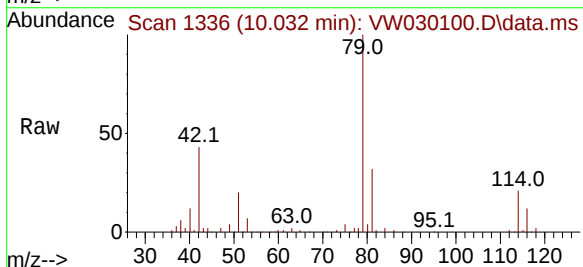
Acq: 29 Aug 2024 15:21

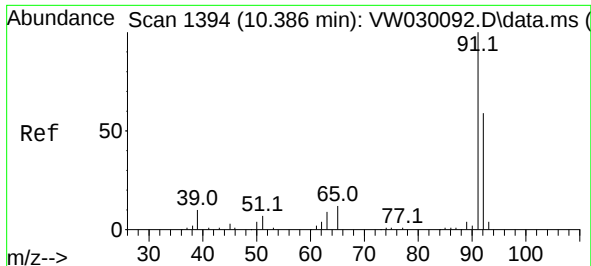
Tgt Ion: 75 Resp: 2460

Ion Ratio Lower Upper

75 100

77 53.1 22.8 42.4#

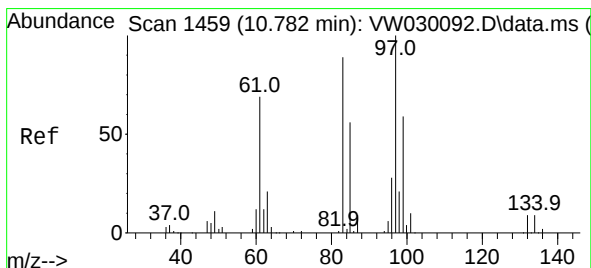
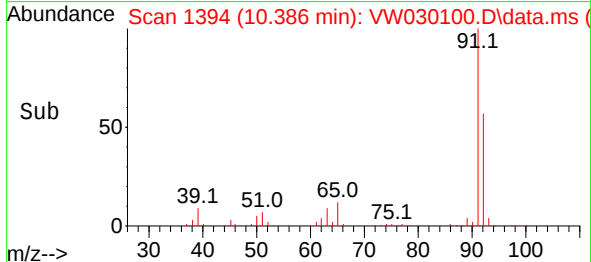
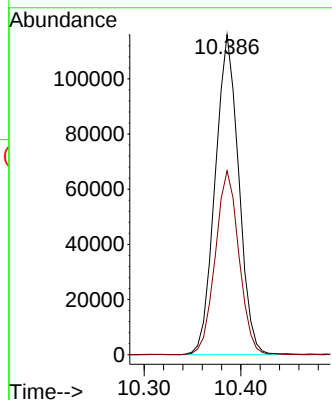
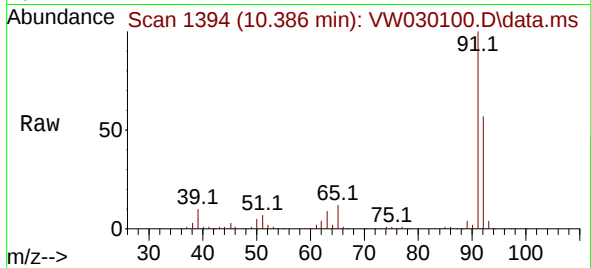




#42
Toluene
Concen: 16.341 ug/L
RT: 10.386 min Scan# 1456
Delta R.T. 0.000 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

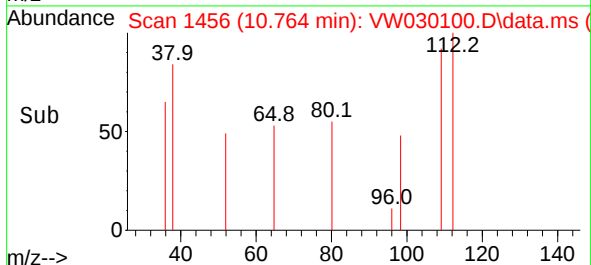
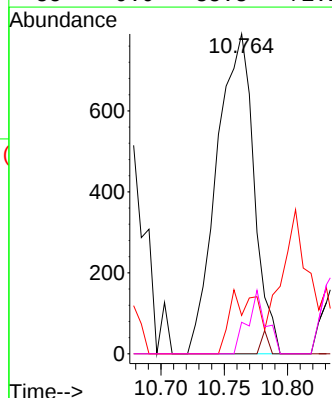
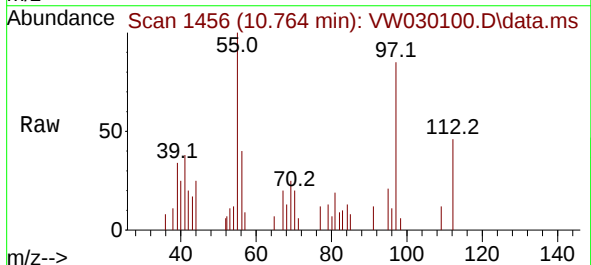
Instrument :
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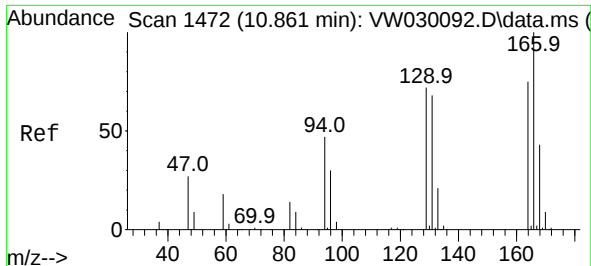
Tgt Ion: 91 Resp: 196322
Ion Ratio Lower Upper
91 100
92 57.4 39.5 73.4



#45
1,1,2-Trichloroethane
Concen: 0.772 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.018 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

Tgt Ion: 97 Resp: 1616
Ion Ratio Lower Upper
97 100
99 0.0 40.3 74.8#
83 12.0 58.0 107.6#
85 9.9 38.3 71.1#





#46

Tetrachloroethene

Concen: 1.864 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

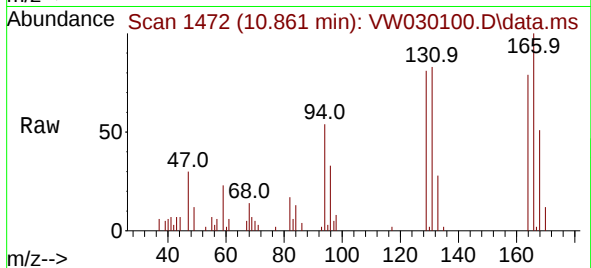
Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:164 Resp: 4298

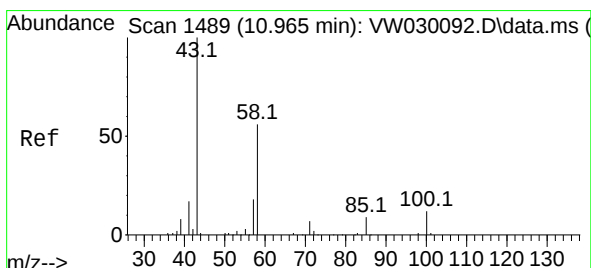
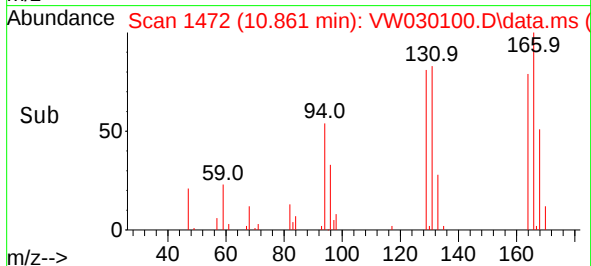
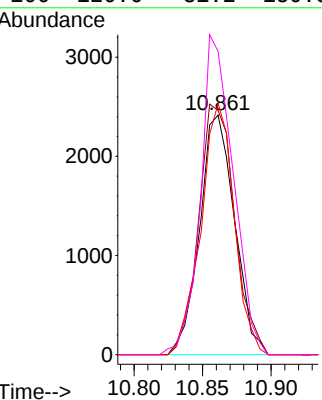
Ion Ratio Lower Upper

164 100

129 102.0 66.1 122.7

131 104.9 62.6 116.2

166 126.6 81.2 150.8



#48

2-Hexanone

Concen: 7.215 ug/L

RT: 10.928 min Scan# 1483

Delta R.T. -0.037 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Tgt Ion: 43 Resp: 7294

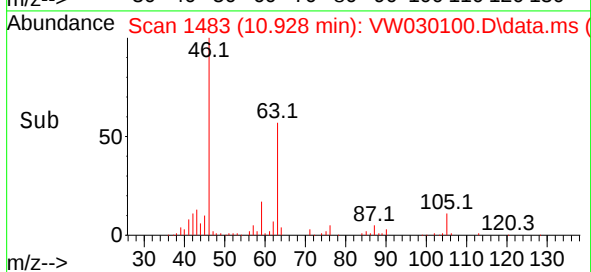
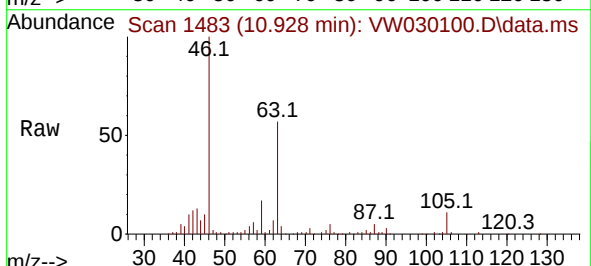
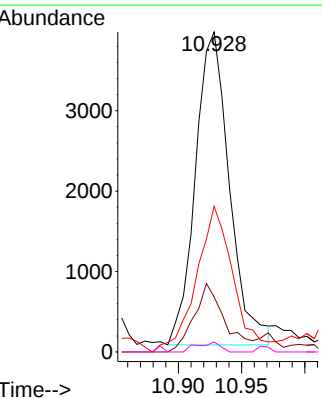
Ion Ratio Lower Upper

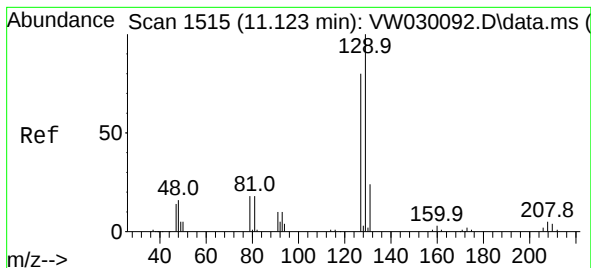
43 100

58 19.8 50.0 75.0#

57 49.8 17.3 25.9#

100 1.3 10.9 16.3#





#49

Dibromochloromethane

Concen: 1.993 ug/L

RT: 10.855 min Scan# 14

Delta R.T. -0.268 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Instrument :

MSVOA_W

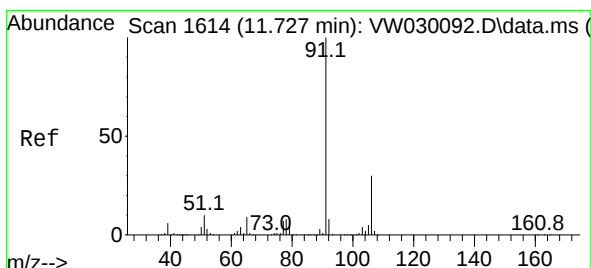
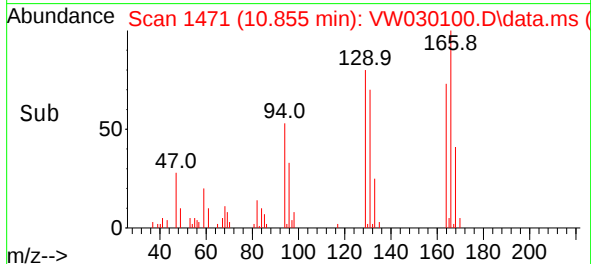
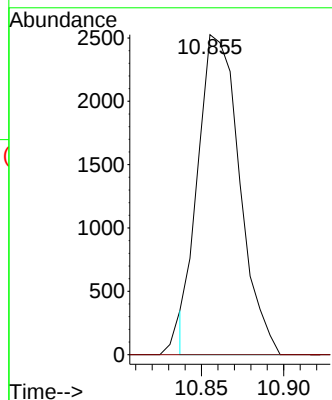
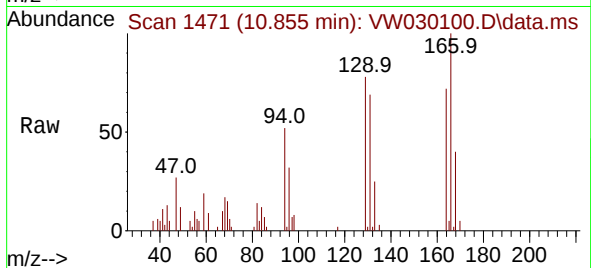
ClientSampleId :

Tgt Ion:129 Resp: 4435

Ion Ratio Lower Upper

129 100

127 0.0 51.8 96.2#



#52

Ethylbenzene

Concen: 3.785 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW030100.D

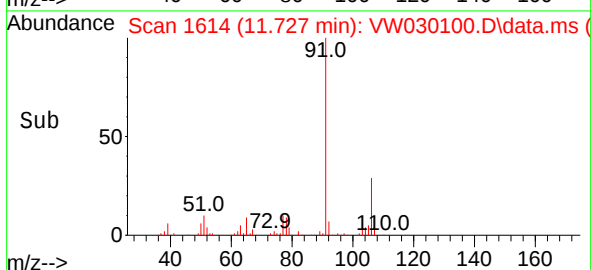
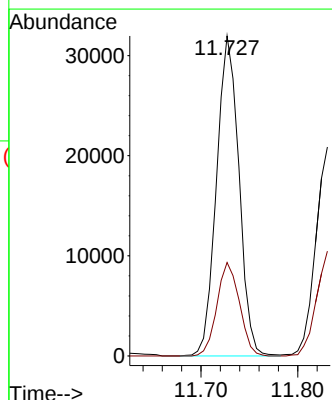
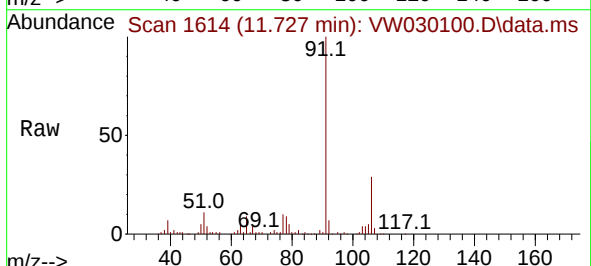
Acq: 29 Aug 2024 15:21

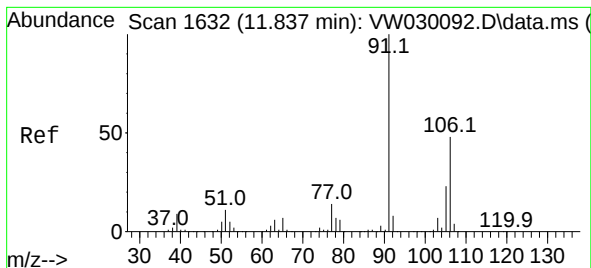
Tgt Ion: 91 Resp: 51521

Ion Ratio Lower Upper

91 100

106 29.2 22.0 41.0





#53

m,p-Xylene

Concen: 3.797 ug/L

RT: 11.831 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Instrument :

MSVOA_W

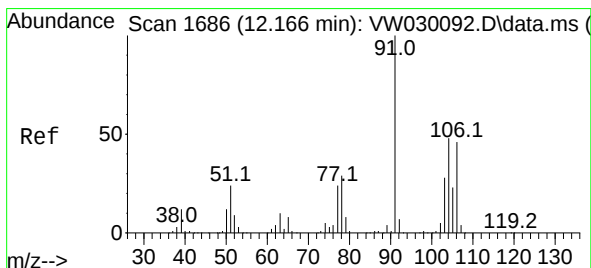
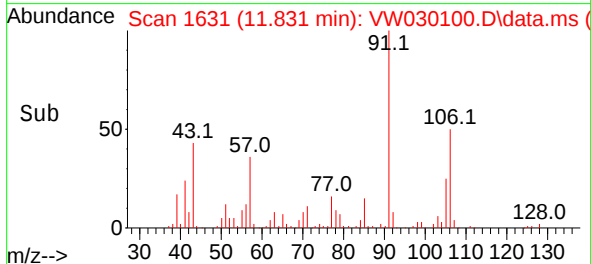
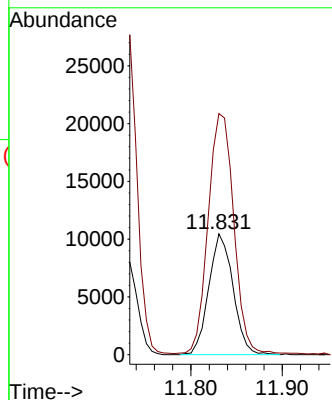
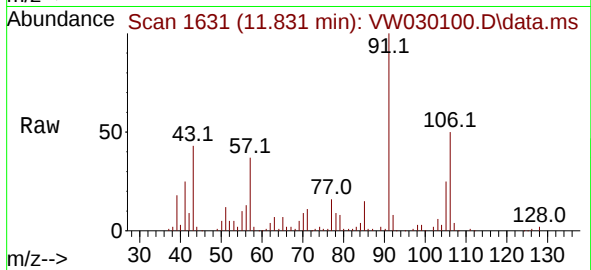
ClientSampleId :

Tgt Ion:106 Resp: 19291

Ion Ratio Lower Upper

106 100

91 199.4 146.7 272.4



#54

o-Xylene

Concen: 2.007 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW030100.D

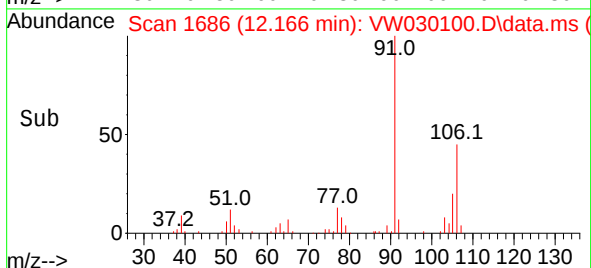
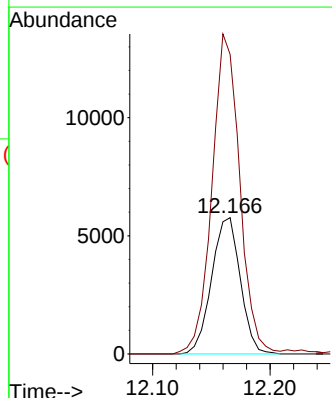
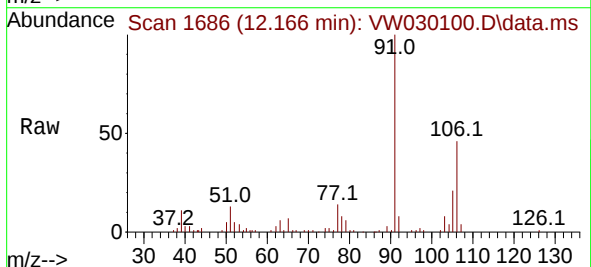
Acq: 29 Aug 2024 15:21

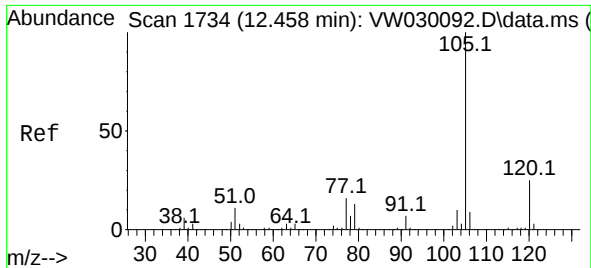
Tgt Ion:106 Resp: 9787

Ion Ratio Lower Upper

106 100

91 219.8 153.9 285.7

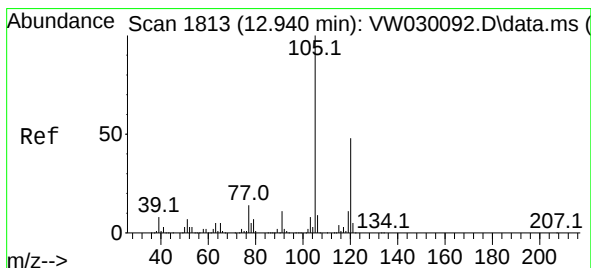
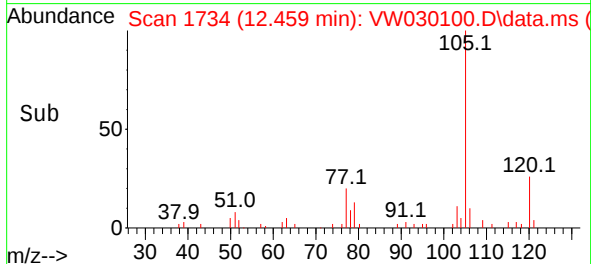
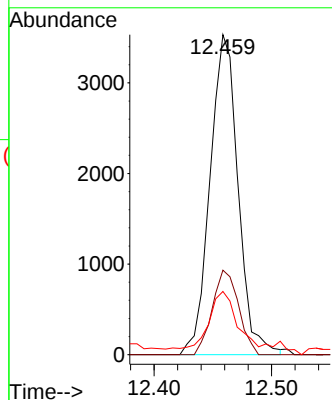
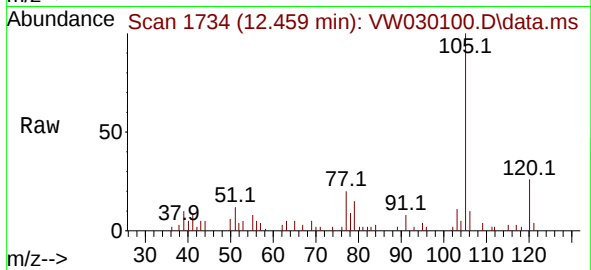




#60
Isopropylbenzene
Concen: 0.780 ug/L
RT: 12.459 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

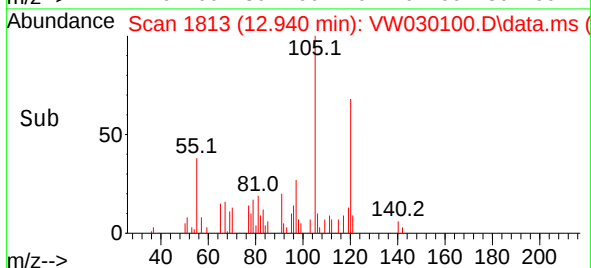
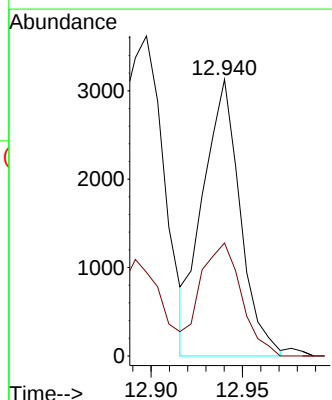
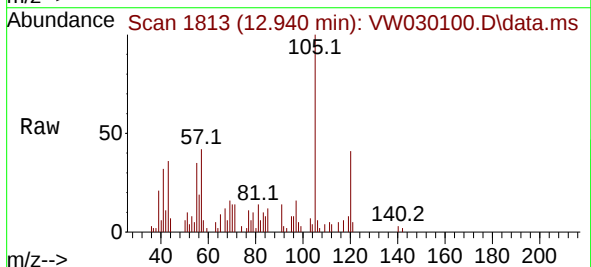
Instrument :
MSVOA_W
ClientSampleId :

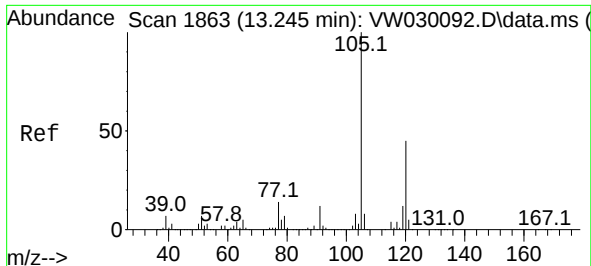
Tgt Ion:105 Resp: 5860
Ion Ratio Lower Upper
105 100
120 24.7 20.6 30.8
77 18.6 12.6 18.8



#62
1,3,5-Trimethylbenzene
Concen: 0.797 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW030100.D
Acq: 29 Aug 2024 15:21

Tgt Ion:105 Resp: 4449
Ion Ratio Lower Upper
105 100
120 45.0 38.3 57.5





#63

1,2,4-Trimethylbenzene

Concen: 1.728 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Instrument :

MSVOA_W

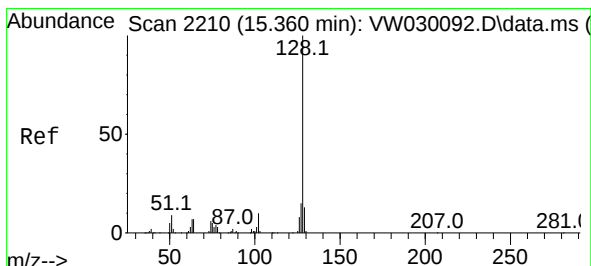
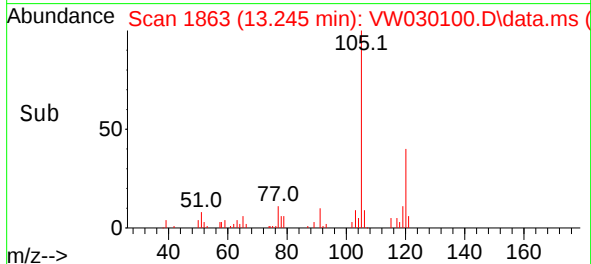
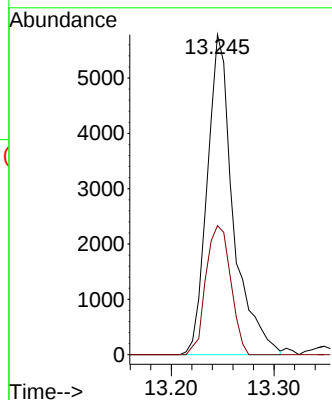
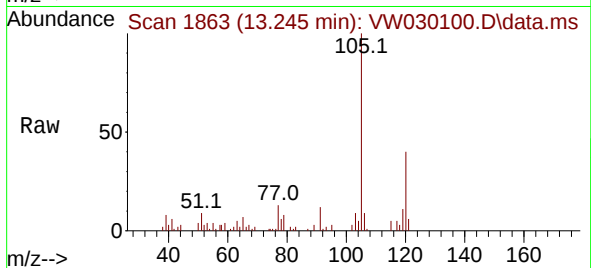
ClientSampleId :

Tgt Ion:105 Resp: 10167

Ion Ratio Lower Upper

105 100

120 38.4 36.3 54.5



#71

Naphthalene

Concen: 1.702 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW030100.D

Acq: 29 Aug 2024 15:21

Tgt Ion:128 Resp: 5877

Ion Ratio Lower Upper

128 100

127 14.3 10.6 15.8

129 13.8 8.9 13.3#

