

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071624\
 Data File : VW029590.D
 Acq On : 16 Jul 2024 15:15
 Operator : SY/MD
 Sample : P3263-01
 Misc : 5.25g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A4BA0

Quant Time: Jul 17 00:55:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 17 00:53:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	447750	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	385858	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	147227	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	96375	13.324	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.280%
7) Chloroethane-d5	2.893	69	76738	14.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.920%
11) 1,1-Dichloroethene-d2	4.015	65	47657	14.673	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.680%
21) 2-Butanone-d5	7.075	46	56669	26.099	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.200%
24) Chloroform-d	7.642	84	223055	17.232	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	68.920%
26) 1,2-Dichloroethane-d4	8.301	65	128759	16.959	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	67.840%#
32) Benzene-d6	8.270	84	418964	18.125	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	72.520%
36) 1,2-Dichloropropane-d6	9.270	67	140996	19.077	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76.320%
41) Toluene-d8	10.319	98	357371	17.580	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.320%
43) trans-1,3-Dichloroprop...	10.575	79	49885	15.939	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	63.760%
47) 2-Hexanone-d5	10.922	63	40107	29.864	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.720%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	94504	15.749	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.000%
66) 1,2-Dichlorobenzene-d4	13.848	152	90613	17.673	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.680%#
Target Compounds						
					Qvalue	
16) Methylene chloride	4.917	84	41928	5.230	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	2103	0.341	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	3061	0.347	ug/L	96
31) Carbon tetrachloride	8.069	117	2774	0.344	ug/L	95
34) Trichloroethene	9.087	95	2626	0.412	ug/L	87
35) Methylcyclohexane	9.331	83	3130	0.305	ug/L	89
42) Toluene	10.386	91	8909	0.361	ug/L	92
45) 1,1,2-Trichloroethane	10.788	97	1730	0.360	ug/L	90
46) Tetrachloroethene	10.861	164	5042	1.113	ug/L	80
51) Chlorobenzene	11.654	112	5827	0.365	ug/L #	88
52) Ethylbenzene	11.727	91	10057	0.359	ug/L	100
53) m,p-Xylene	11.831	106	3555	0.346	ug/L	89
60) Isopropylbenzene	12.458	105	7610	0.367	ug/L #	94
62) 1,3,5-Trimethylbenzene	12.940	105	5032	0.341	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	5648	0.347	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	3580	0.386	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	3884	0.408	ug/L #	81
67) 1,2-Dichlorobenzene	13.867	146	3233	0.385	ug/L #	91

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Quant Title : SFAM01.0
QLast Update : Wed Jul 17 00:53:35 2024
Response via : Initial Calibration

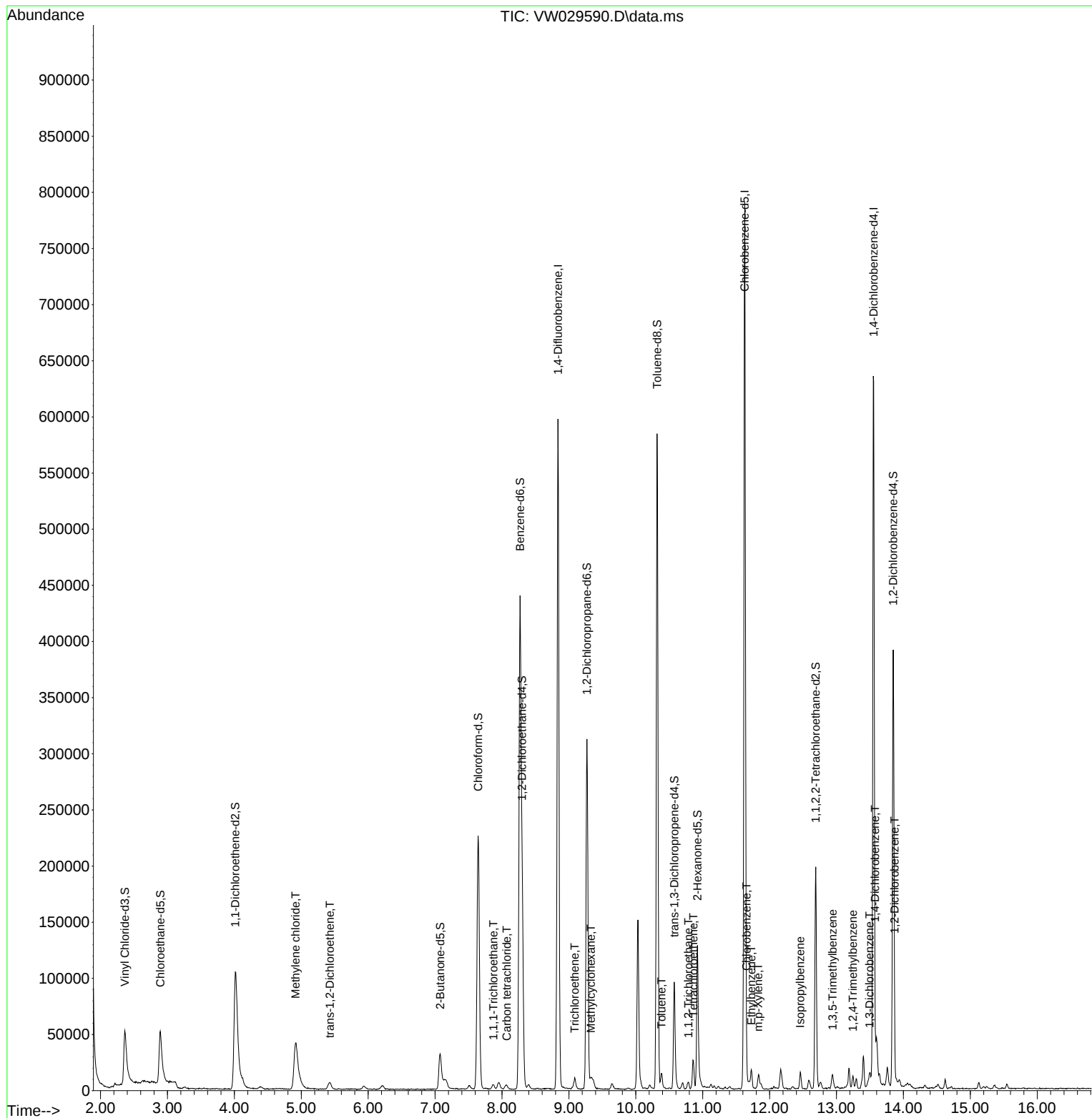
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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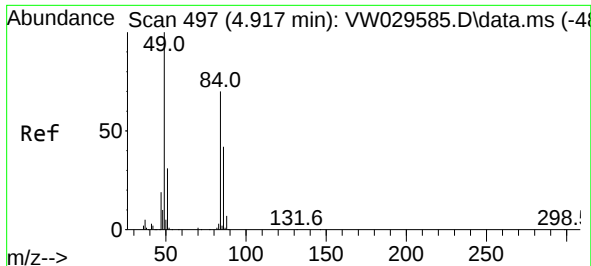
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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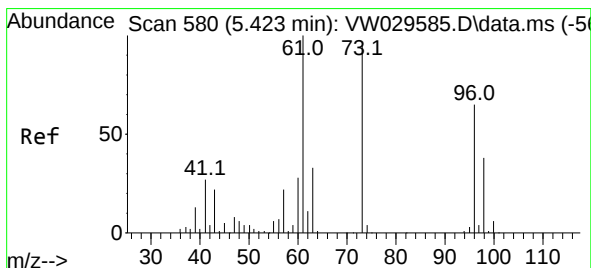
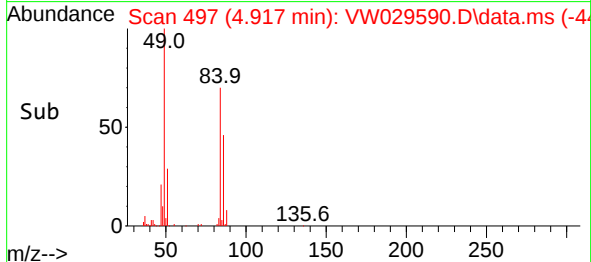
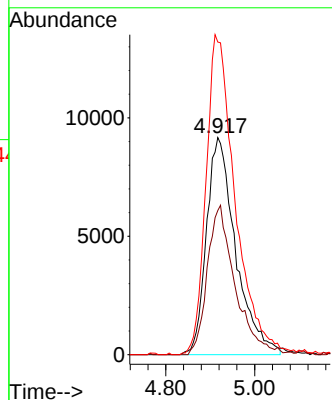
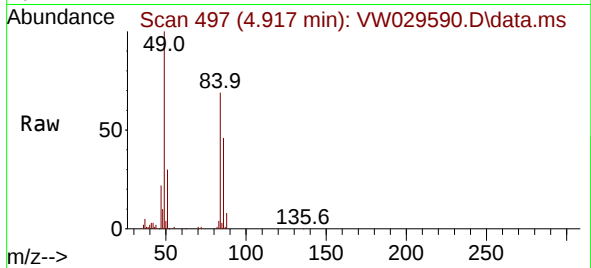




#16
Methylene chloride
Concen: 5.230 ug/L
RT: 4.917 min Scan# 49
Delta R.T. -0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

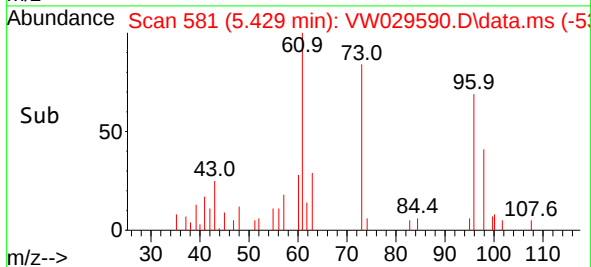
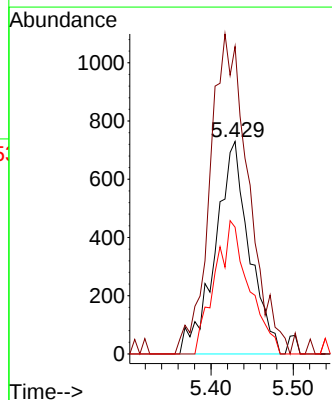
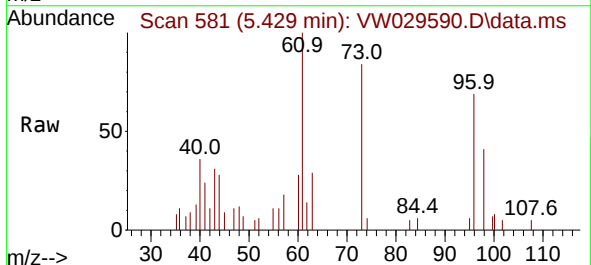
Instrument :
MSVOA_W
ClientSampleId :
A4BA0

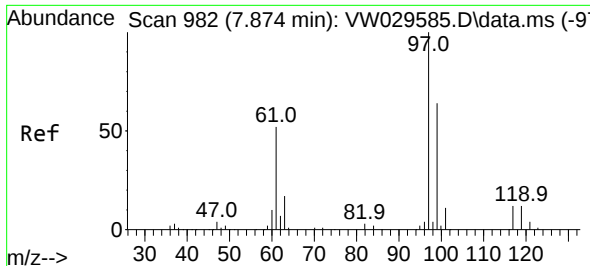
Tgt Ion: 84 Resp: 41928
Ion Ratio Lower Upper
84 100
86 66.4 46.2 85.8
49 144.0 96.7 179.7



#17
trans-1,2-Dichloroethene
Concen: 0.341 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

Tgt Ion: 96 Resp: 2103
Ion Ratio Lower Upper
96 100
61 144.7 102.9 191.1
98 59.6 43.9 81.5

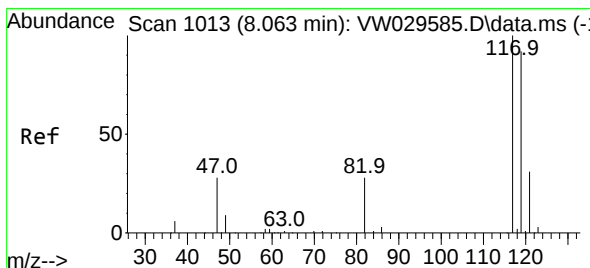
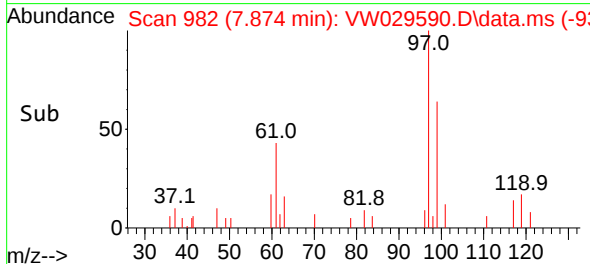
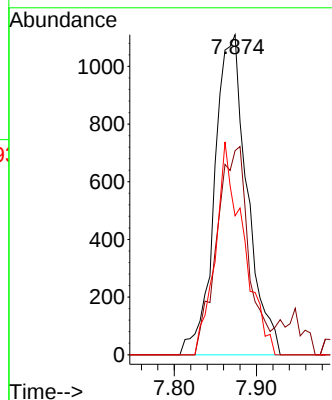
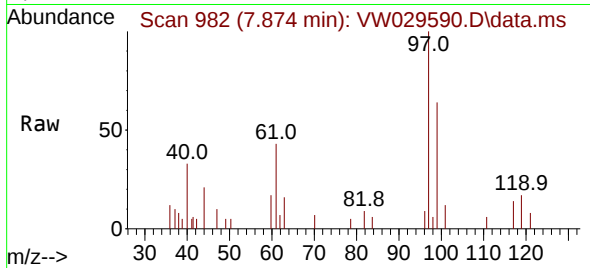




#30
1,1,1-Trichloroethane
Concen: 0.347 ug/L
RT: 7.874 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

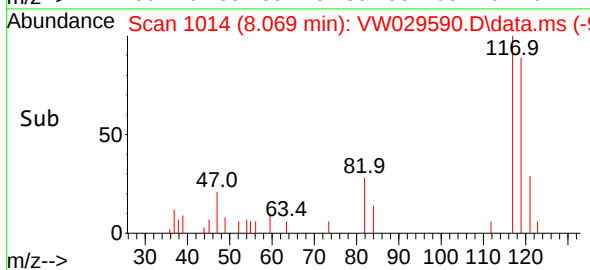
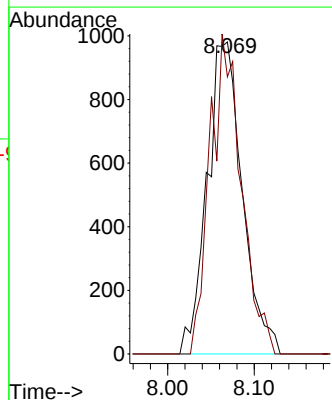
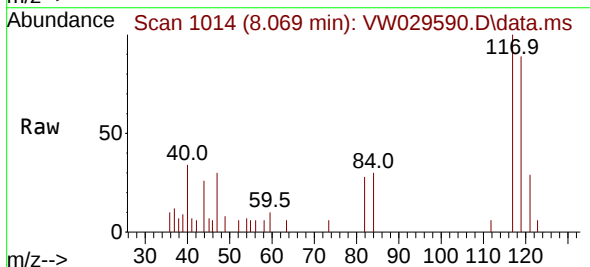
Instrument :
MSVOA_W
ClientSampleId :
A4BA0

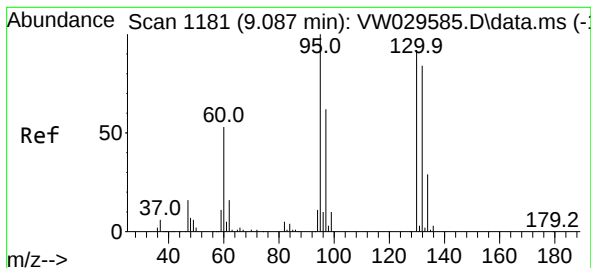
Tgt Ion: 97 Resp: 3061
Ion Ratio Lower Upper
97 100
99 64.0 51.1 76.7
61 57.1 40.6 61.0



#31
Carbon tetrachloride
Concen: 0.344 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.006 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

Tgt Ion: 117 Resp: 2774
Ion Ratio Lower Upper
117 100
119 91.4 77.0 115.6





#34

Trichloroethene

Concen: 0.412 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW029590.D

Acq: 16 Jul 2024 15:15

Instrument :

MSVOA_W

ClientSampleId :

A4BA0

Tgt Ion: 95 Resp: 2626

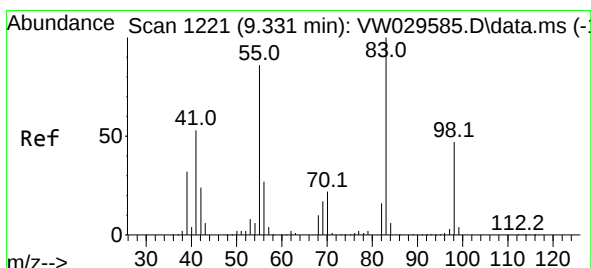
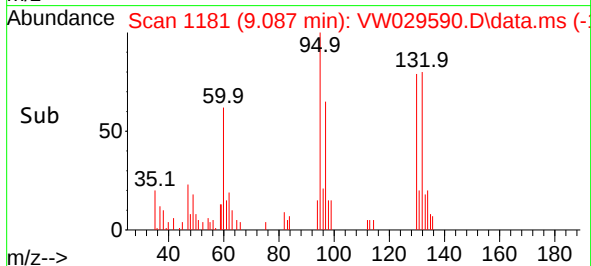
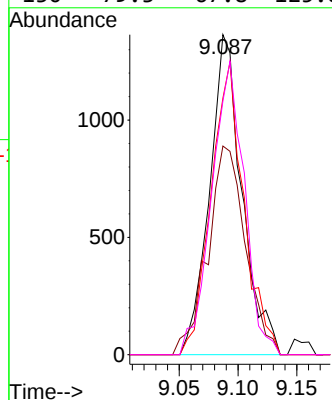
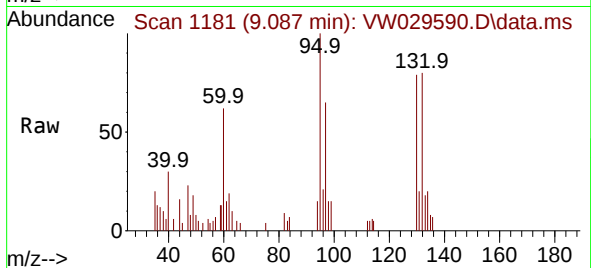
Ion Ratio Lower Upper

95 100

97 65.2 47.3 87.9

132 80.2 65.8 122.2

130 79.3 67.8 125.8



#35

Methylcyclohexane

Concen: 0.305 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW029590.D

Acq: 16 Jul 2024 15:15

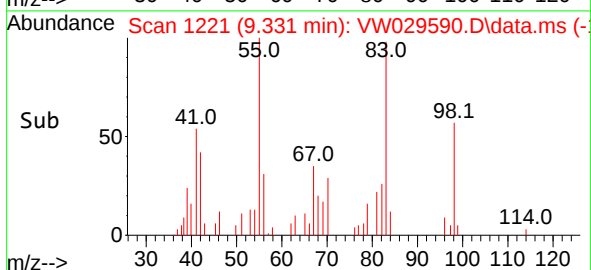
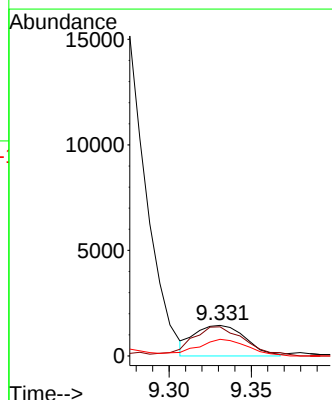
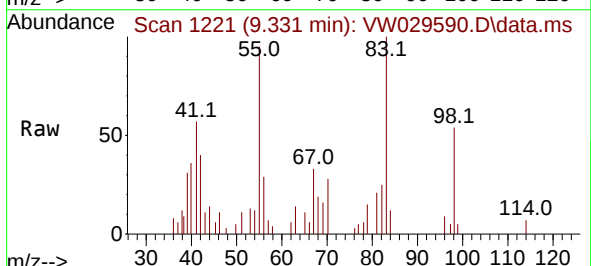
Tgt Ion: 83 Resp: 3130

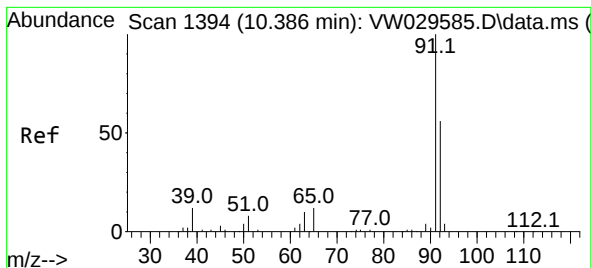
Ion Ratio Lower Upper

83 100

55 99.5 69.6 104.4

98 52.6 38.3 57.5





#42

Toluene

Concen: 0.361 ug/L

RT: 10.386 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW029590.D

Acq: 16 Jul 2024 15:15

Instrument :

MSVOA_W

ClientSampleId :

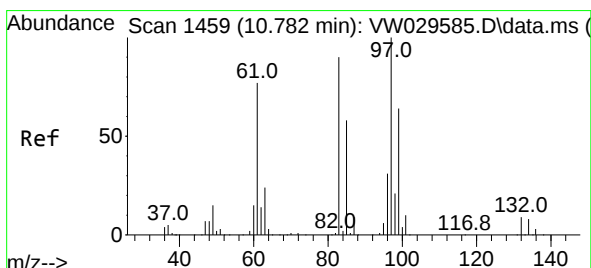
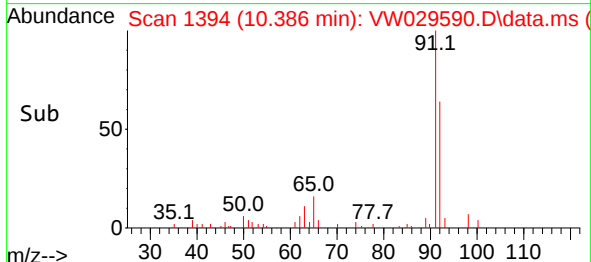
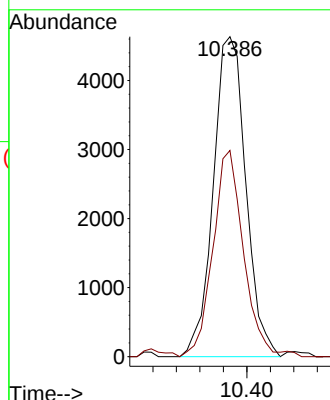
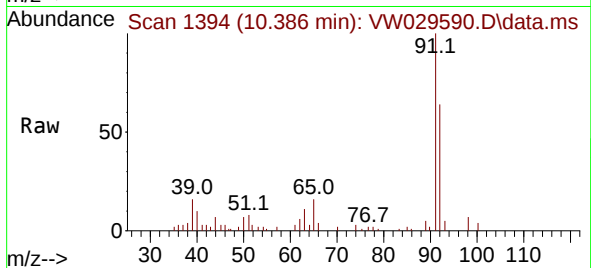
A4BA0

Tgt Ion: 91 Resp: 8909

Ion Ratio Lower Upper

91 100

92 64.4 41.1 76.3



#45

1,1,2-Trichloroethane

Concen: 0.360 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.006 min

Lab File: VW029590.D

Acq: 16 Jul 2024 15:15

Tgt Ion: 97 Resp: 1730

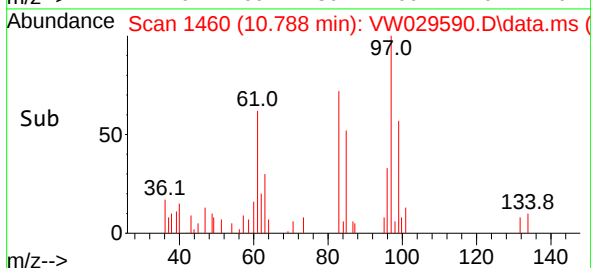
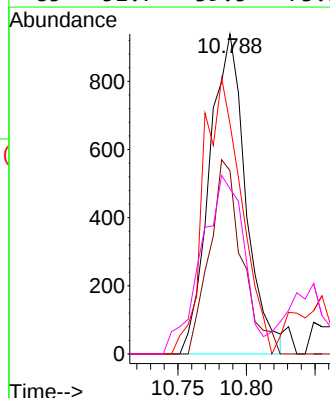
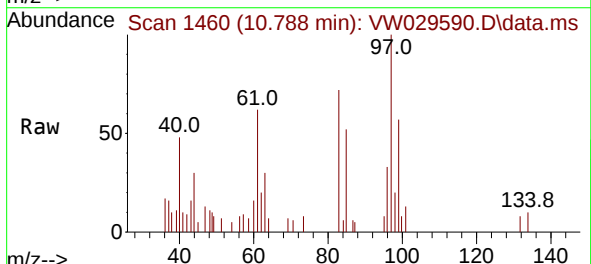
Ion Ratio Lower Upper

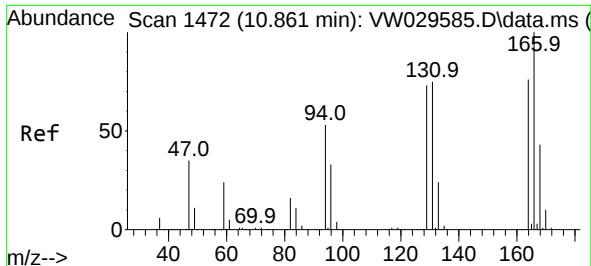
97 100

99 57.3 43.8 81.4

83 72.0 60.3 111.9

85 51.7 39.5 73.3

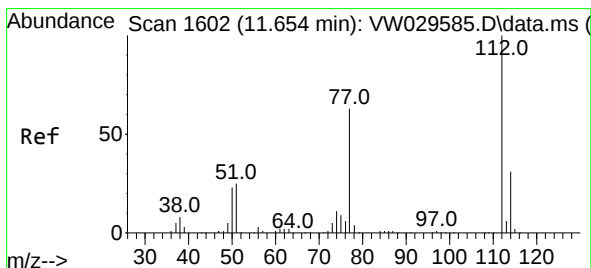
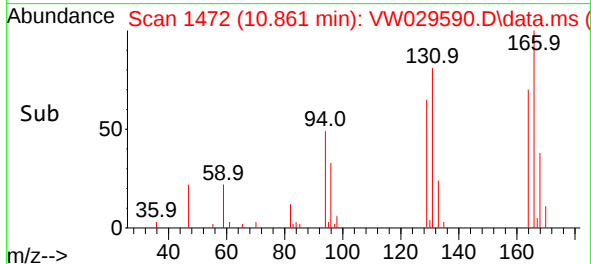
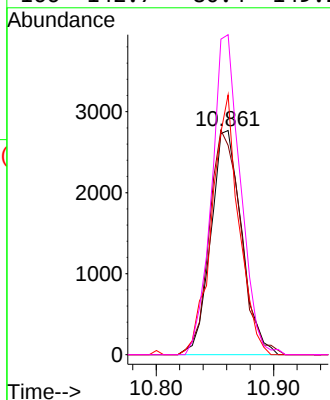
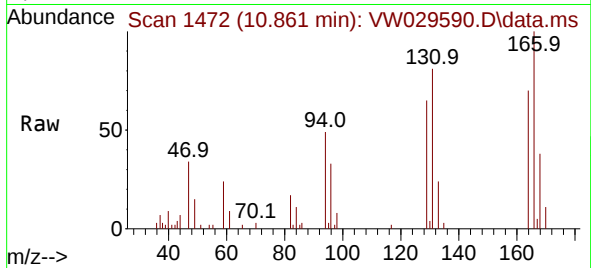




#46
Tetrachloroethene
Concen: 1.113 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

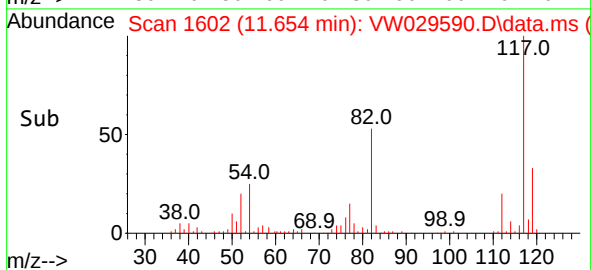
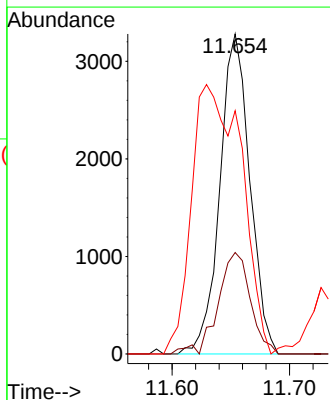
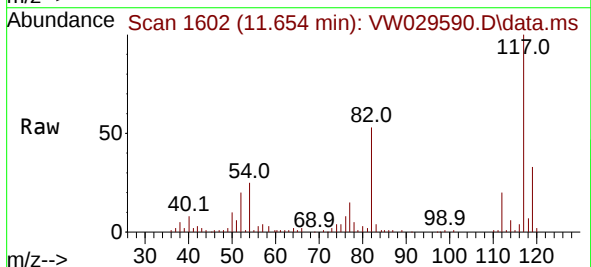
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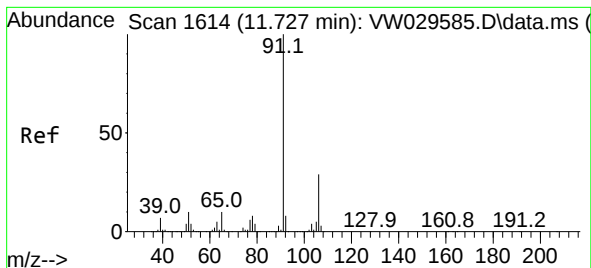
Tgt Ion:164	Resp:	5042
Ion	Ratio	Lower Upper
164	100	
129	93.3	60.0 111.4
131	115.9	64.6 120.0
166	142.7	80.4 149.2



#51
Chlorobenzene
Concen: 0.365 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

Tgt Ion:112	Resp:	5827
Ion	Ratio	Lower Upper
112	100	
114	31.7	22.6 42.0
77	76.0	49.9 74.9#

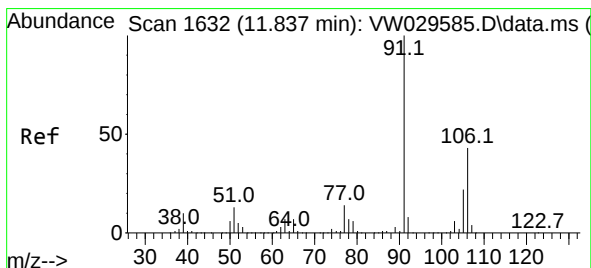
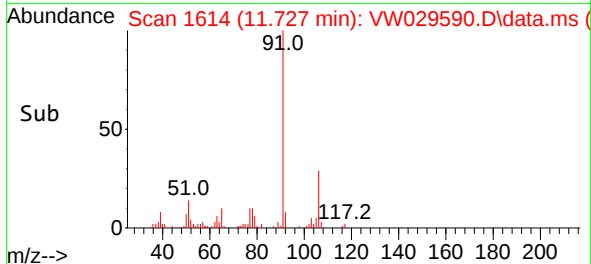
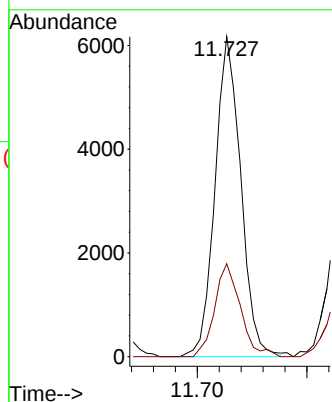
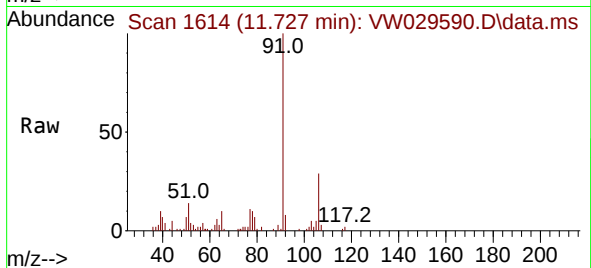




#52
Ethylbenzene
Concen: 0.359 ug/L
RT: 11.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

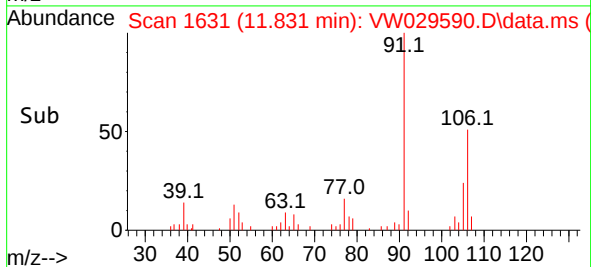
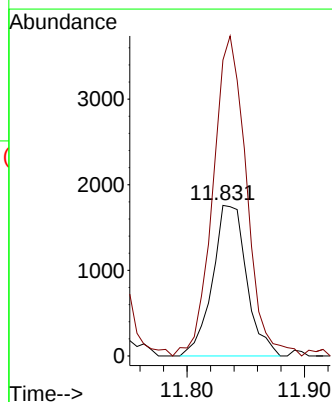
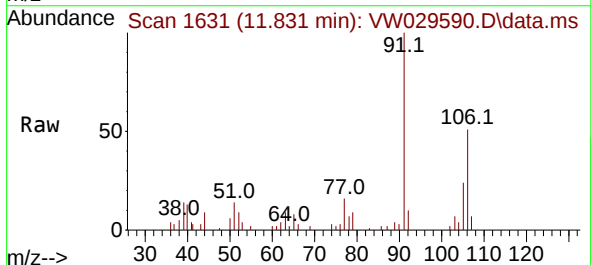
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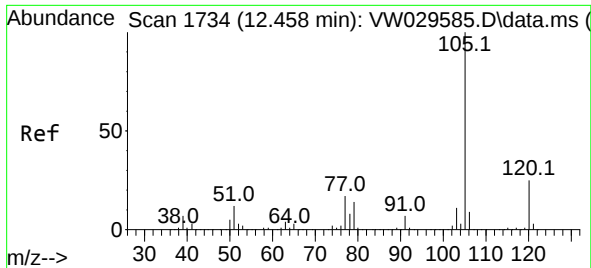
Tgt Ion: 91 Resp: 10057
Ion Ratio Lower Upper
91 100
106 29.1 20.2 37.6



#53
m,p-Xylene
Concen: 0.346 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

Tgt Ion: 106 Resp: 3555
Ion Ratio Lower Upper
106 100
91 196.4 149.3 277.3

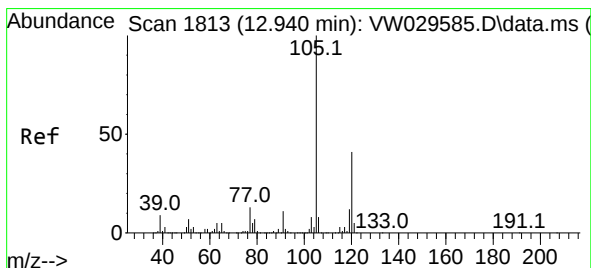
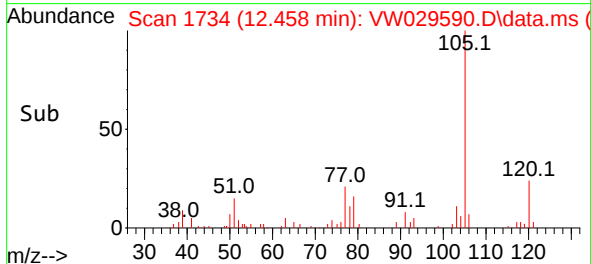
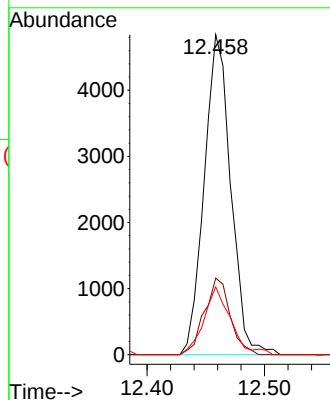
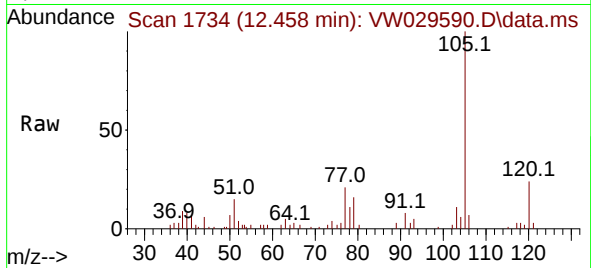




#60
Isopropylbenzene
Concen: 0.367 ug/L
RT: 12.458 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

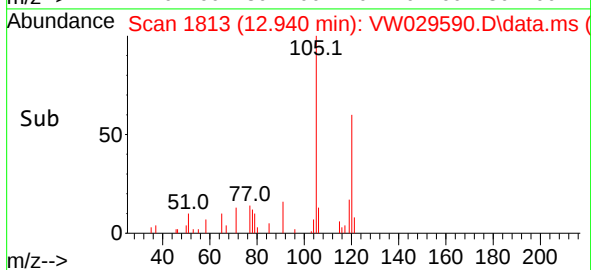
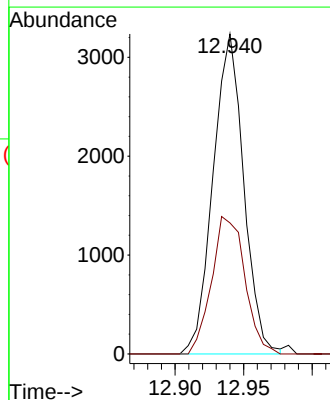
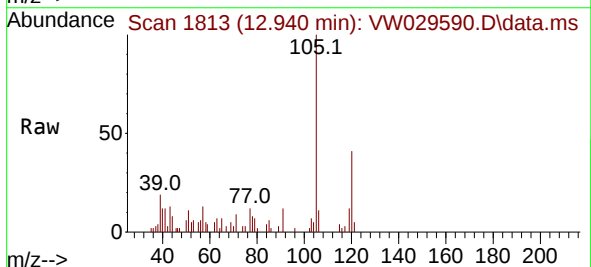
Instrument :
MSVOA_W
ClientSampleId :
A4BA0

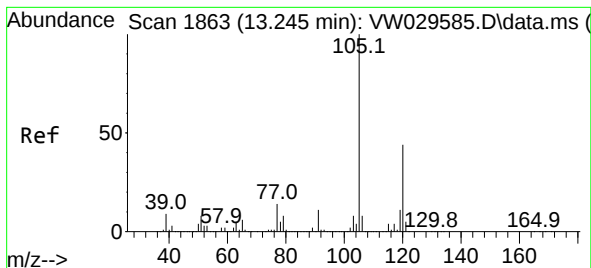
Tgt Ion:105 Resp: 7610
Ion Ratio Lower Upper
105 100
120 23.2 20.2 30.4
77 20.6 13.6 20.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.341 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

Tgt Ion:105 Resp: 5032
Ion Ratio Lower Upper
105 100
120 46.6 38.4 57.6





#63

1,2,4-Trimethylbenzene

Concen: 0.347 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW029590.D

Acq: 16 Jul 2024 15:15

Instrument :

MSVOA_W

ClientSampleId :

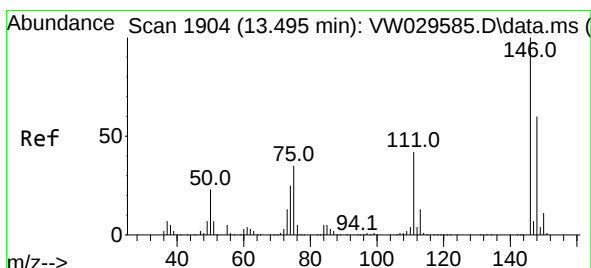
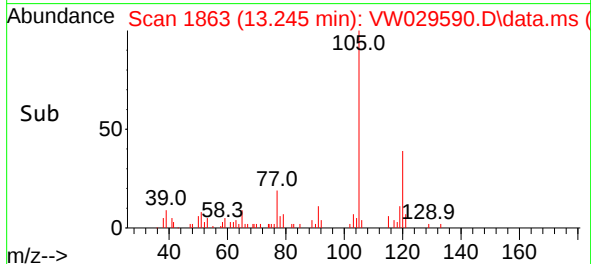
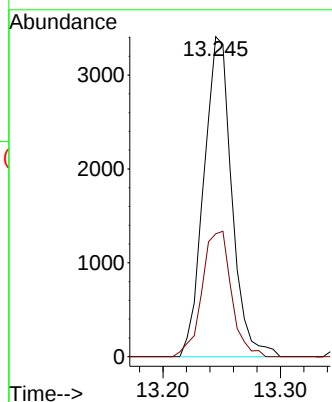
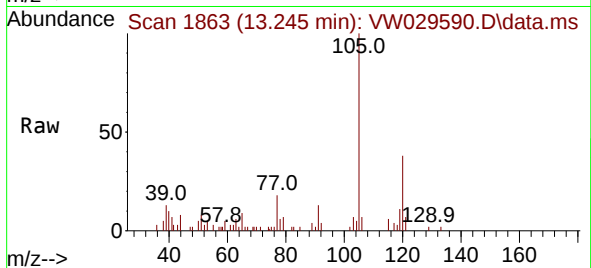
A4BA0

Tgt Ion:105 Resp: 5648

Ion Ratio Lower Upper

105 100

120 41.0 34.7 52.1



#64

1,3-Dichlorobenzene

Concen: 0.386 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029590.D

Acq: 16 Jul 2024 15:15

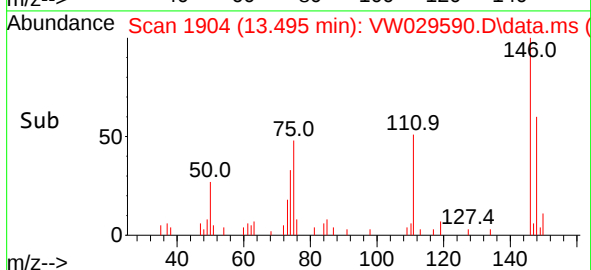
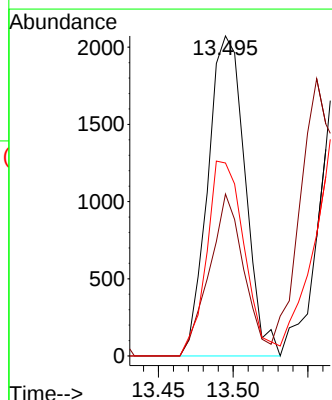
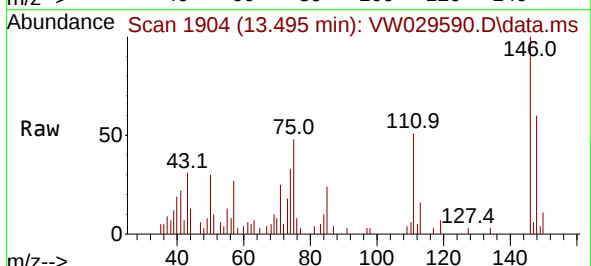
Tgt Ion:146 Resp: 3580

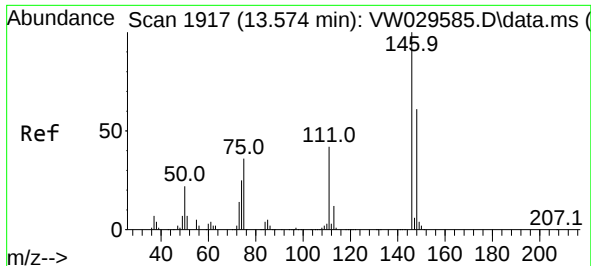
Ion Ratio Lower Upper

146 100

111 50.6 28.6 53.2

148 60.3 43.0 80.0

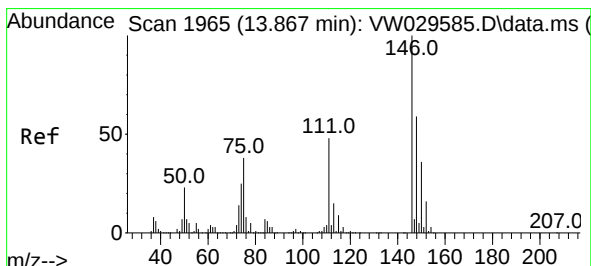
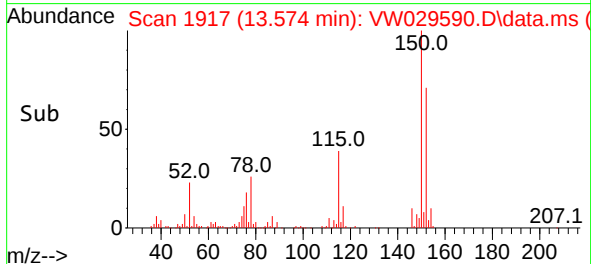
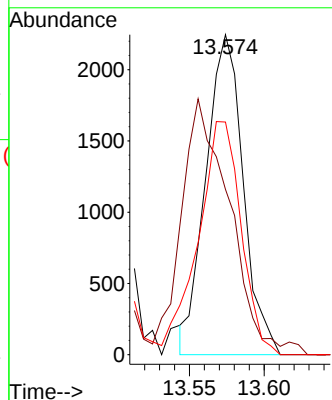
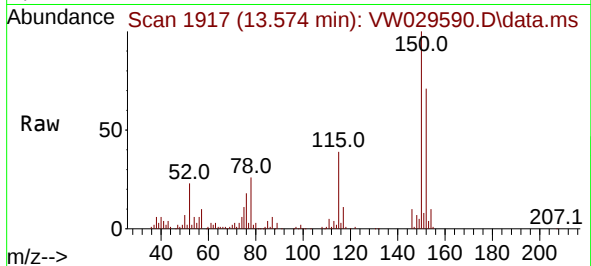




#65
1,4-Dichlorobenzene
Concen: 0.408 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

Instrument :
MSVOA_W
ClientSampleId :
A4BA0

Tgt Ion:146 Resp: 3884
Ion Ratio Lower Upper
146 100
111 51.6 27.6 51.4#
148 72.7 40.9 75.9



#67
1,2-Dichlorobenzene
Concen: 0.385 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW029590.D
Acq: 16 Jul 2024 15:15

Tgt Ion:146 Resp: 3233
Ion Ratio Lower Upper
146 100
111 56.6 37.1 55.7#
148 60.3 50.7 76.1

