

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026507.D
 Acq On : 01 Jul 2023 06:00
 Operator : SY/MD
 Sample : 03501-05
 Misc : 4.61g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46W2

Quant Time: Jul 03 01:17:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jul 01 01:41:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	54184	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	30040	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	8830	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	9024	14.627	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.520%
7) Chloroethane-d5	2.893	69	9616	19.142	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.560%
11) 1,1-Dichloroethene-d2	4.027	65	6146	19.910	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.640%
21) 2-Butanone-d5	6.862	46	151	0.648	ug/L	-0.21
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.300%#
24) Chloroform-d	7.654	84	29260	22.155	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.600%
26) 1,2-Dichloroethane-d4	8.307	65	18291	25.338	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.360%
32) Benzene-d6	8.276	84	60669	34.726	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	138.920%#
36) 1,2-Dichloropropane-d6	9.276	67	21873	39.282	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	157.120%#
41) Toluene-d8	10.325	98	49271	31.927	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	127.720%
43) trans-1,3-Dichloroprop...	10.581	79	5832	25.984	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.920%
47) 2-Hexanone-d5	10.831	63	104	1.117	ug/L	-0.09
Spiked Amount	50.000	Range	20 - 135	Recovery	=	2.240%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	10038	23.347	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	13.854	152	6892	22.416	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.680%
Target Compounds						Qvalue
5) Vinyl chloride	2.369	62	849	1.105	ug/L #	35
8) Chloroethane	2.930	64	5994	12.866	ug/L	94
13) Acetone	4.137	43	12492	75.845	ug/L	94
14) Carbon disulfide	4.399	76	1498	0.763	ug/L	100
16) Methylene chloride	4.929	84	1596	1.743	ug/L	92
19) 1,1-Dichloroethane	6.216	63	4084	3.110	ug/L	89
22) 2-Butanone	7.167	43	1092	4.044	ug/L	89
29) Cyclohexane	7.947	56	789	0.926	ug/L #	69
34) Trichloroethene	9.099	95	473	0.987	ug/L #	32
45) 1,1,2-Trichloroethane	10.776	97	1523	4.477	ug/L #	76
48) 2-Hexanone	10.971	43	334	1.451	ug/L #	51
50) 1,2-Dibromoethane	11.233	107	424	1.355	ug/L #	1
52) Ethylbenzene	11.843	91	10636	4.911	ug/L	100
53) m,p-Xylene	11.843	106	2713	3.378	ug/L #	18
54) o-Xylene	12.306	106	884	1.187	ug/L	62
59) Bromoform	12.336	173	312	2.669	ug/L #	1
60) Isopropylbenzene	12.458	105	1744	1.354	ug/L #	74
63) 1,2,4-Trimethylbenzene	13.105	105	1299	1.298	ug/L	88
65) 1,4-Dichlorobenzene	13.568	146	591	1.100	ug/L #	1

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Quant Title : SFAM01.0
QLast Update : Sat Jul 01 01:41:22 2023
Response via : Initial Calibration

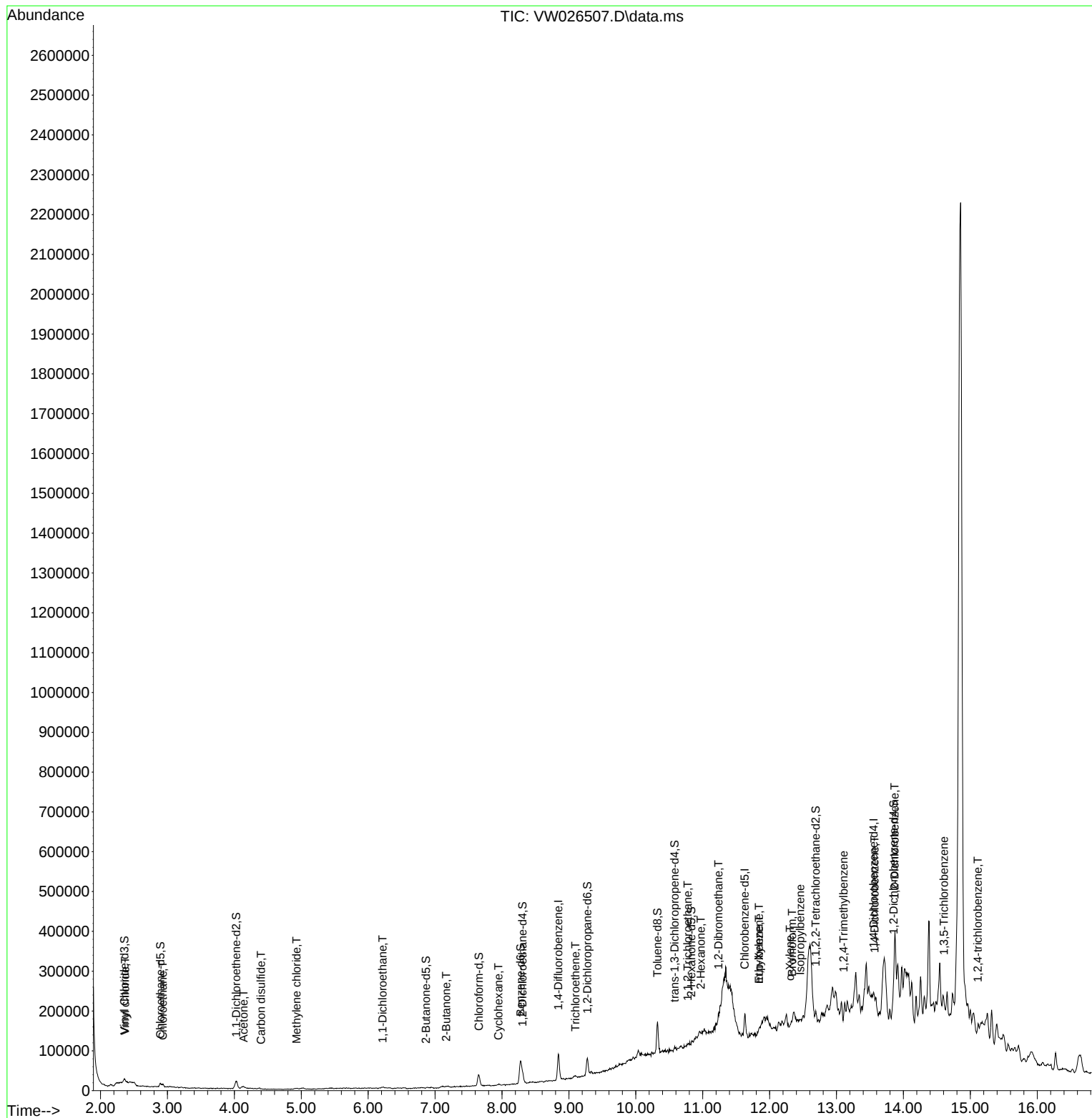
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	13.867	146	7744	15.836	ug/L #	24
69) 1,3,5-Trichlorobenzene	14.604	180	211	0.574	ug/L #	16
70) 1,2,4-trichlorobenzene	15.110	180	301	0.945	ug/L #	1

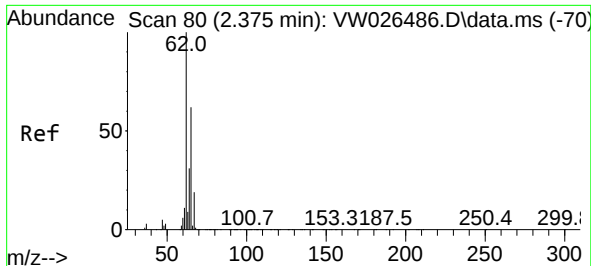
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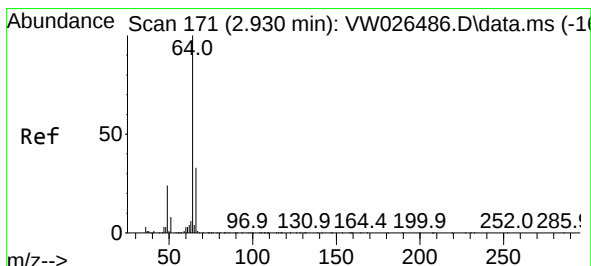
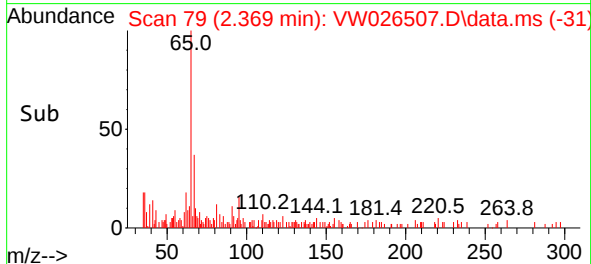
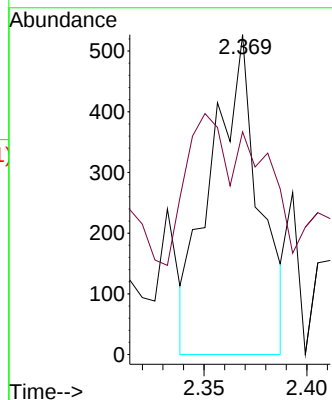
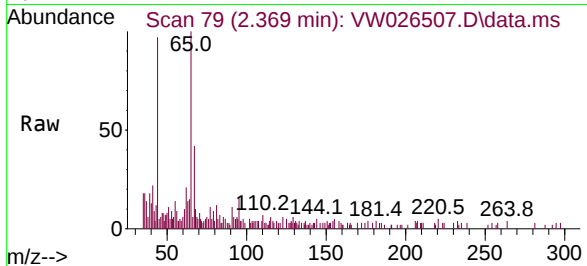




#5
 Vinyl chloride
 Concen: 1.105 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW026507.D
 Acq: 01 Jul 2023 06:00

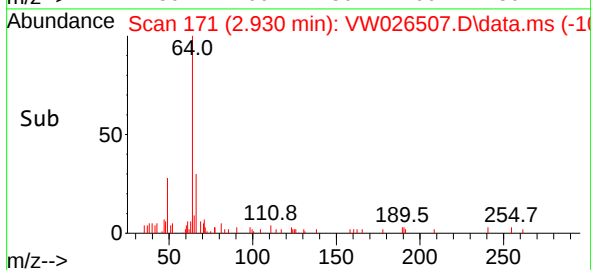
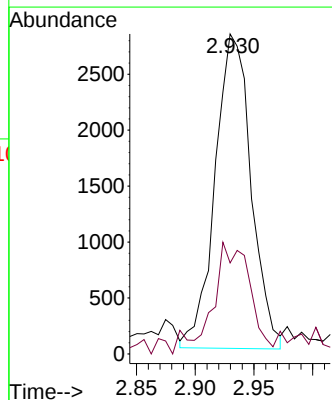
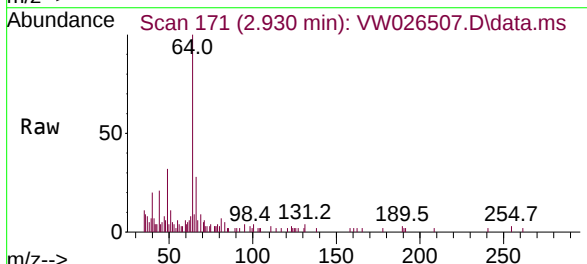
Instrument :
 MSVOA_W
 ClientSampleId :
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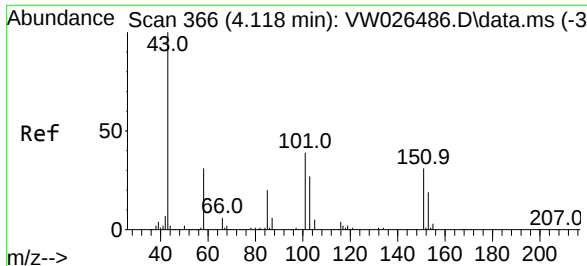
Tgt Ion: 62 Resp: 849
 Ion Ratio Lower Upper
 62 100
 64 69.6 23.0 42.8#



#8
 Chloroethane
 Concen: 12.866 ug/L
 RT: 2.930 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VW026507.D
 Acq: 01 Jul 2023 06:00

Tgt Ion: 64 Resp: 5994
 Ion Ratio Lower Upper
 64 100
 66 28.5 22.1 41.1

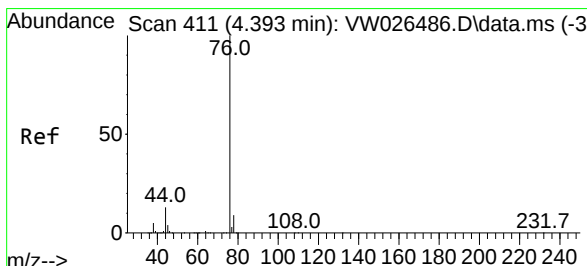
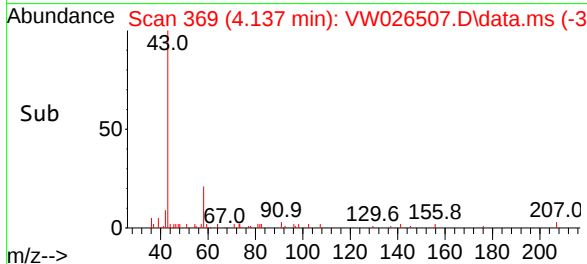
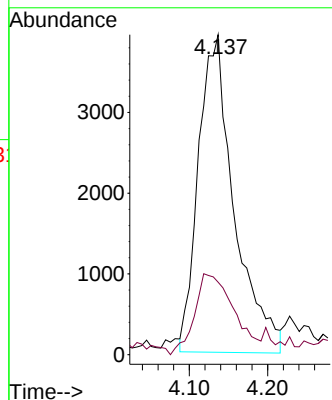
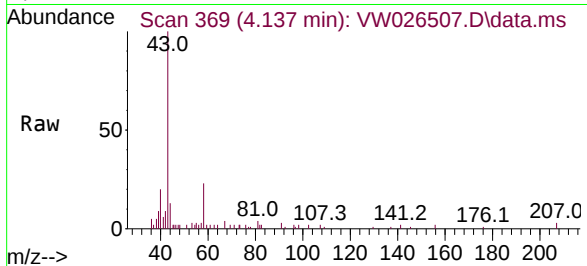




#13
Acetone
Concen: 75.845 ug/L
RT: 4.137 min Scan# 369
Delta R.T. 0.018 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

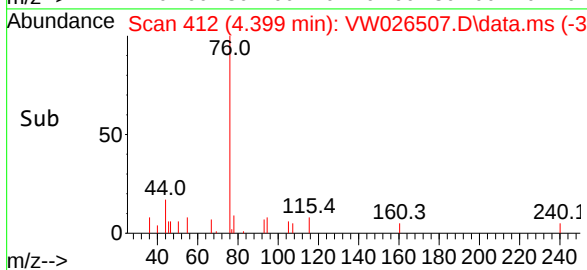
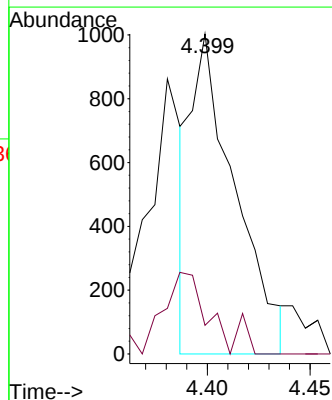
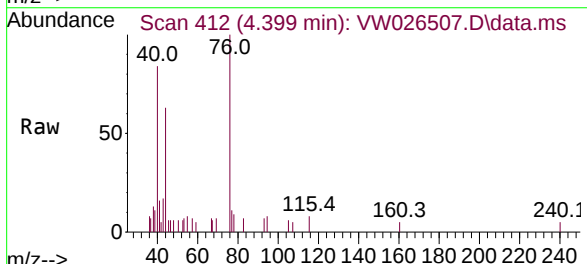
Instrument :
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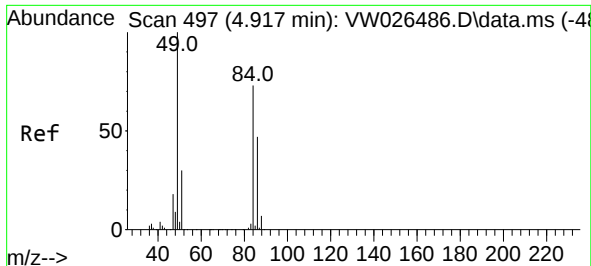
Tgt Ion: 43 Resp: 12492
Ion Ratio Lower Upper
43 100
58 28.1 0.0 63.2



#14
Carbon disulfide
Concen: 0.763 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.006 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

Tgt Ion: 76 Resp: 1498
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

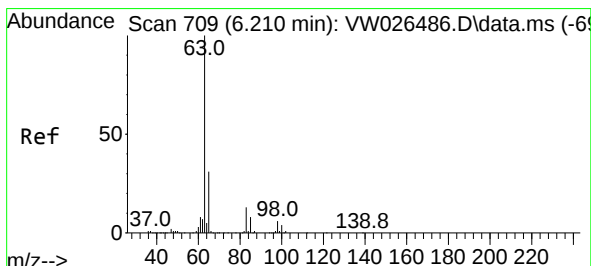
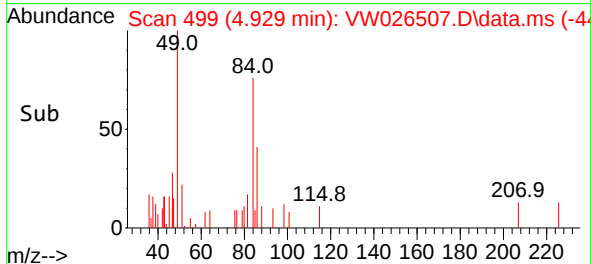
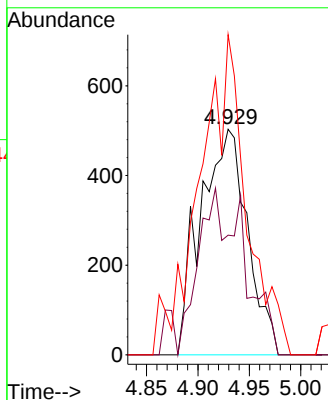
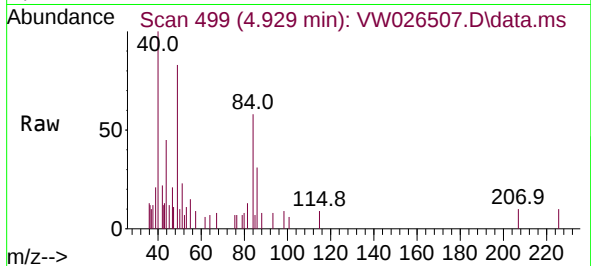




#16
Methylene chloride
Concen: 1.743 ug/L
RT: 4.929 min Scan# 497
Delta R.T. 0.012 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

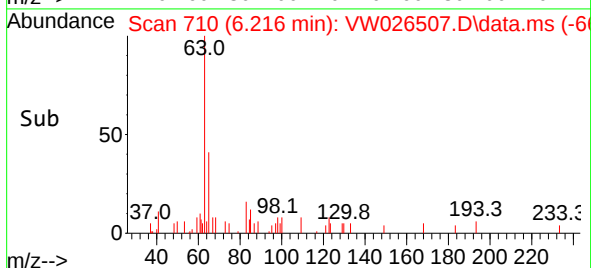
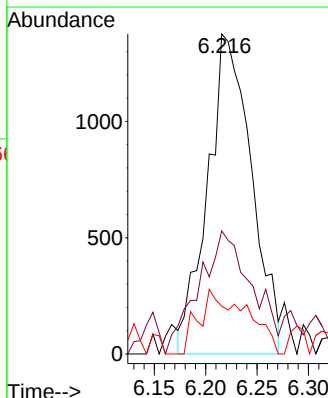
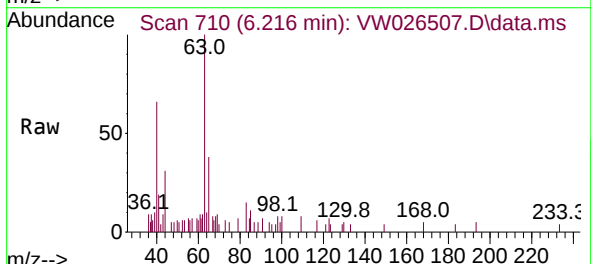
Instrument :
MSVOA_W
ClientSampleId :
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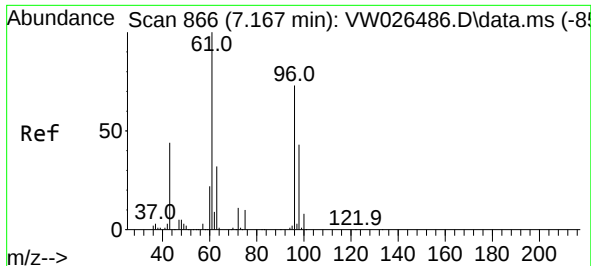
Tgt Ion:	84	Resp:	1596
Ion	Ratio	Lower	Upper
84	100		
86	53.1	44.1	81.9
49	141.9	94.1	174.8



#19
1,1-Dichloroethane
Concen: 3.110 ug/L
RT: 6.216 min Scan# 710
Delta R.T. 0.006 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

Tgt Ion:	63	Resp:	4084
Ion	Ratio	Lower	Upper
63	100		
65	38.4	22.3	41.5
83	15.0	8.3	15.3

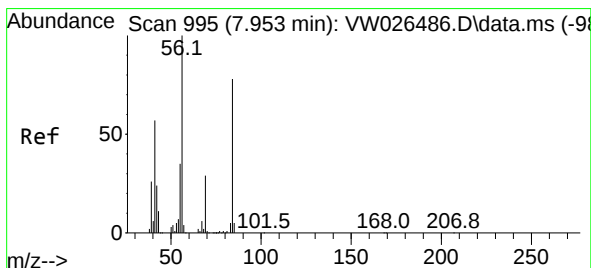
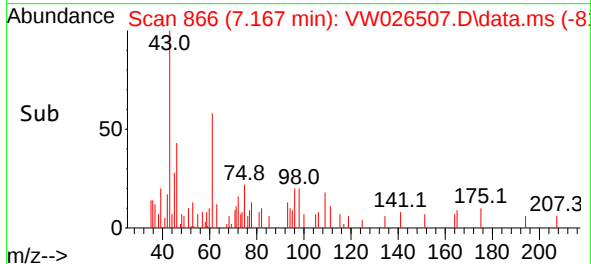
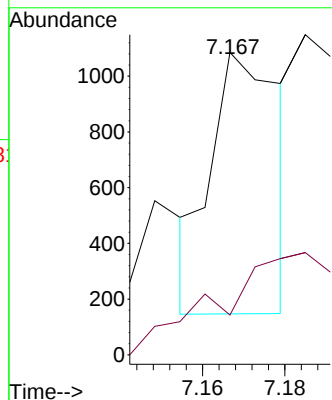
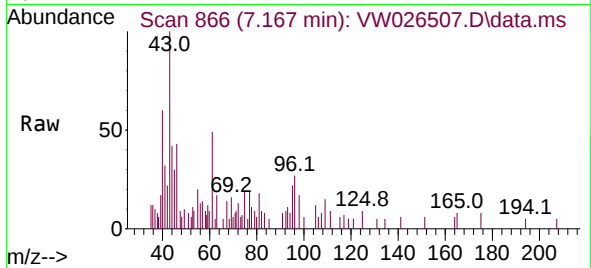




#22
2-Butanone
Concen: 4.044 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

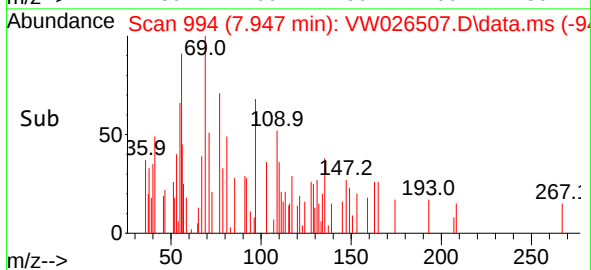
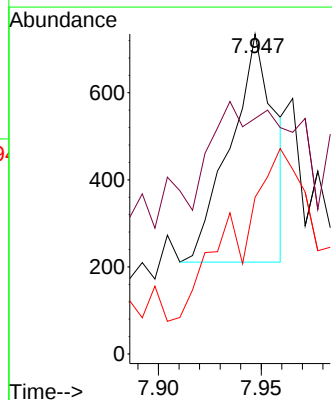
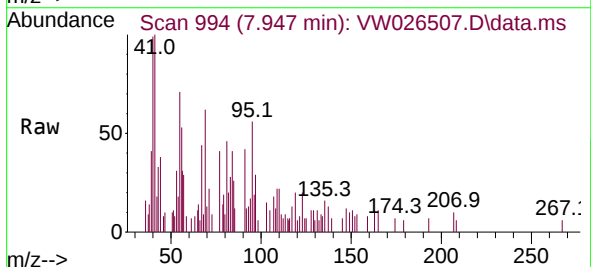
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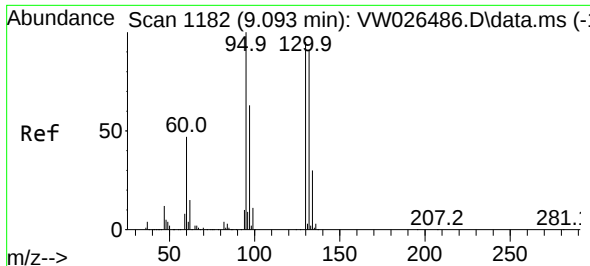
Tgt Ion: 43 Resp: 1092
Ion Ratio Lower Upper
43 100
72 19.5 12.6 37.8



#29
Cyclohexane
Concen: 0.926 ug/L
RT: 7.947 min Scan# 994
Delta R.T. -0.006 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

Tgt Ion: 56 Resp: 789
Ion Ratio Lower Upper
56 100
69 0.0 23.2 34.8#
84 98.6 63.5 95.3#

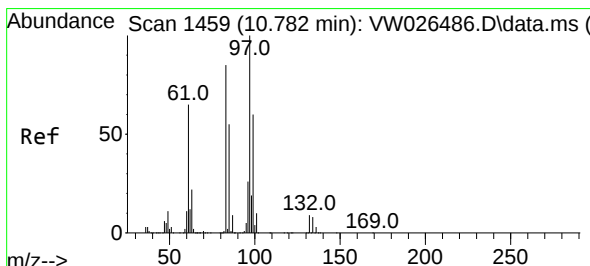
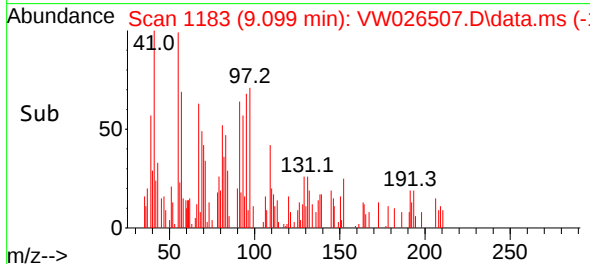
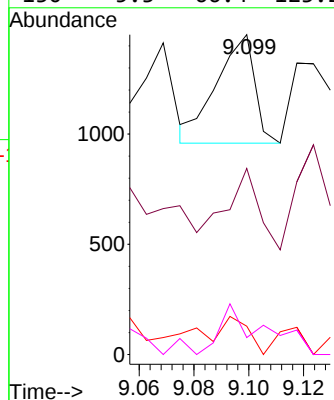
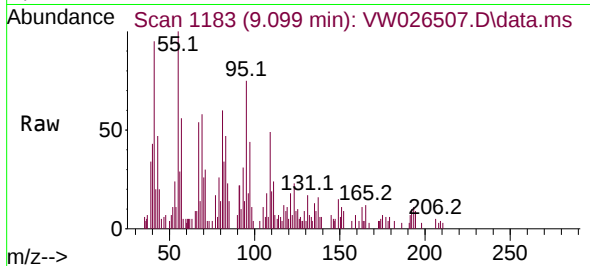




#34
 Trichloroethene
 Concen: 0.987 ug/L
 RT: 9.099 min Scan# 1182
 Delta R.T. 0.006 min
 Lab File: VW026507.D
 Acq: 01 Jul 2023 06:00

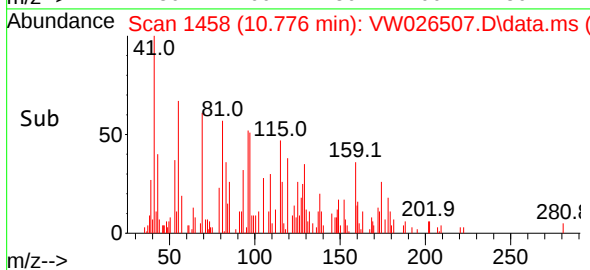
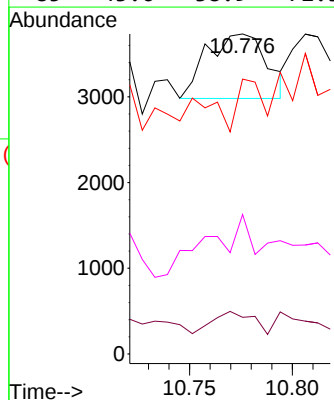
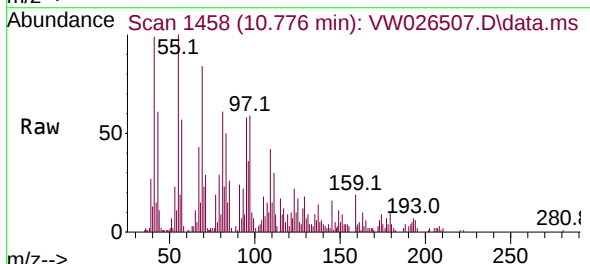
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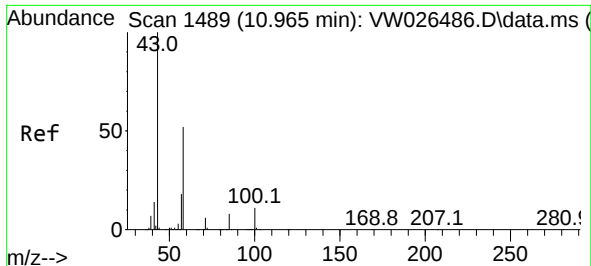
Tgt Ion: 95 Resp: 473
 Ion Ratio Lower Upper
 95 100
 97 58.2 44.1 81.9
 132 8.9 61.8 114.8#
 130 5.3 66.4 123.2#



#45
 1,1,2-Trichloroethane
 Concen: 4.477 ug/L
 RT: 10.776 min Scan# 1458
 Delta R.T. -0.006 min
 Lab File: VW026507.D
 Acq: 01 Jul 2023 06:00

Tgt Ion: 97 Resp: 1523
 Ion Ratio Lower Upper
 97 100
 99 11.4 42.1 78.3#
 83 85.9 60.5 112.5
 85 43.6 38.9 72.3

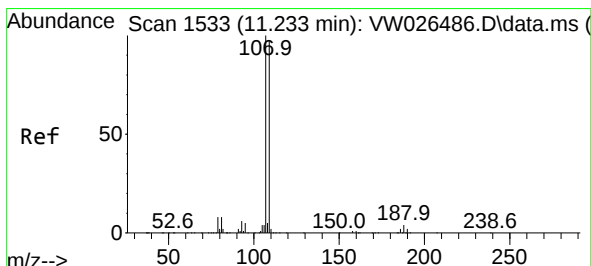
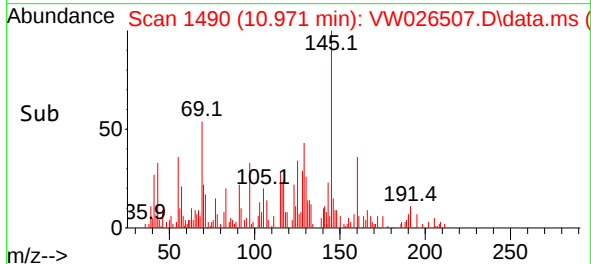
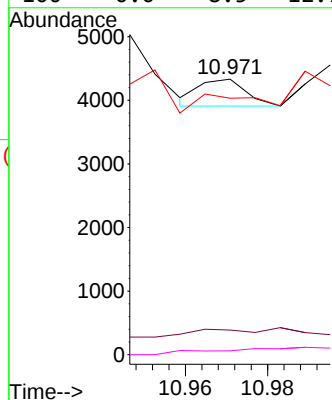
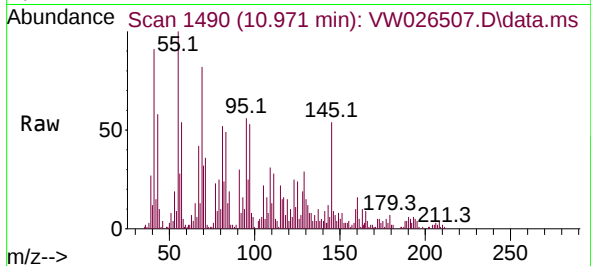




#48
2-Hexanone
Concen: 1.451 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

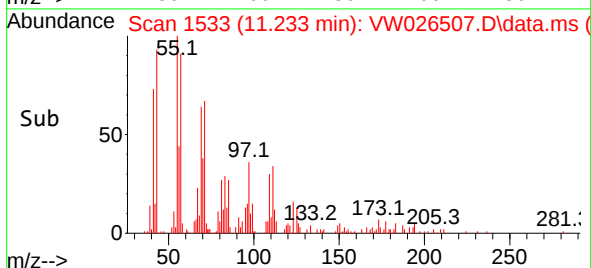
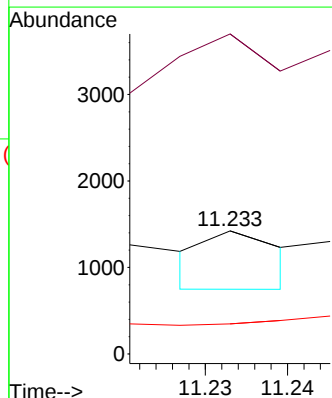
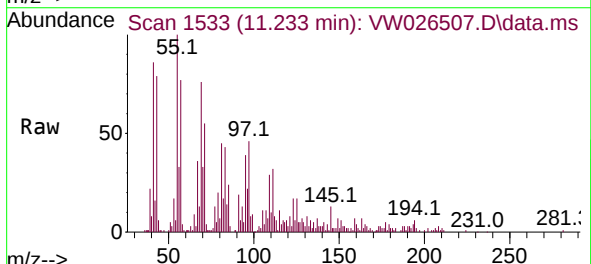
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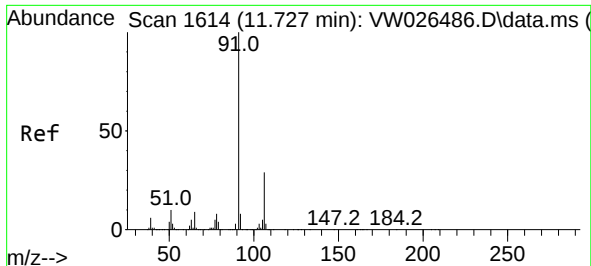
Tgt Ion: 43	Resp:	334
Ion Ratio	Lower	Upper
43	100	
58	46.1	42.1 63.1
57	97.0	14.5 21.7#
100	0.0	8.5 12.7#



#50
1,2-Dibromoethane
Concen: 1.355 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

Tgt Ion: 107	Resp:	424
Ion Ratio	Lower	Upper
107	100	
109	260.2	69.0 128.2#
188	24.5	2.8 4.2#

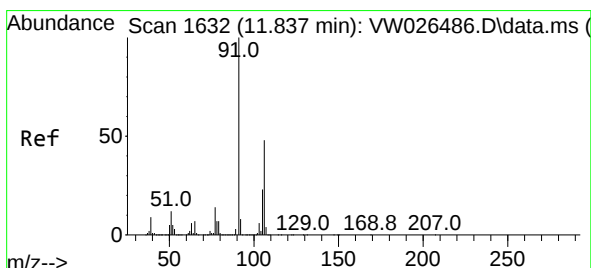
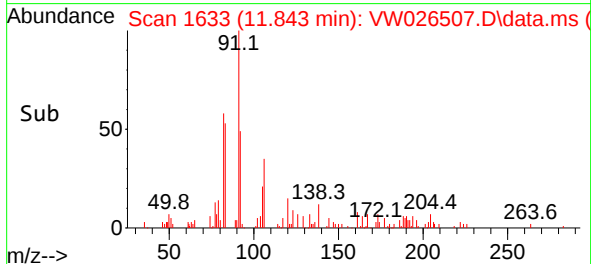
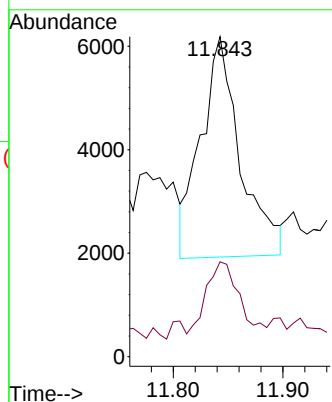
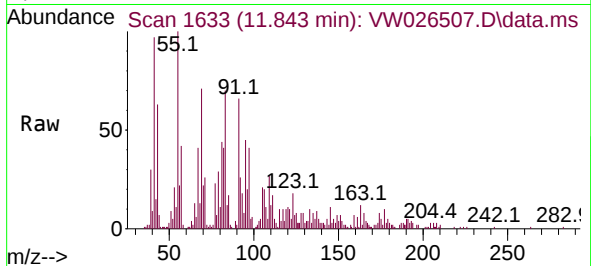




#52
Ethylbenzene
Concen: 4.911 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.116 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

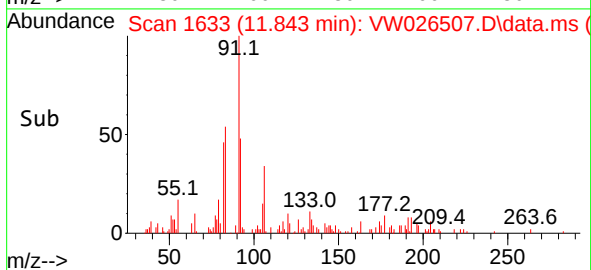
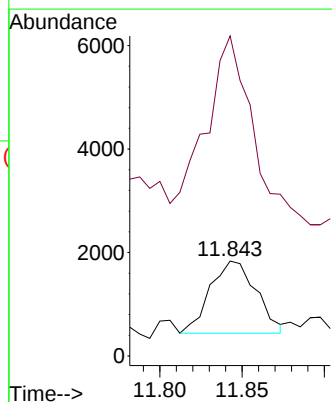
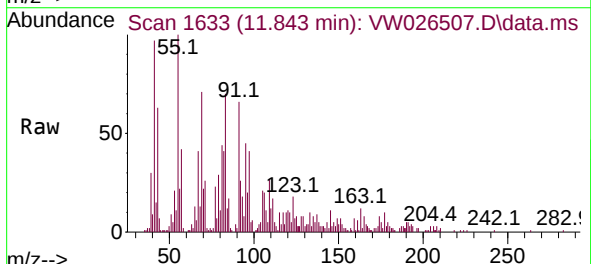
Instrument :
MSVOA_W
ClientSampleId :
A46W2

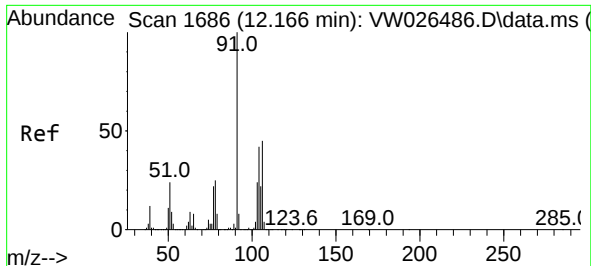
Tgt Ion: 91 Resp: 10636
Ion Ratio Lower Upper
91 100
106 29.6 20.9 38.7



#53
m,p-Xylene
Concen: 3.378 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

Tgt Ion: 106 Resp: 2713
Ion Ratio Lower Upper
106 100
91 337.3 146.7 272.5#

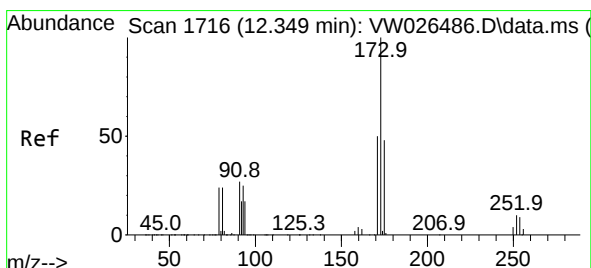
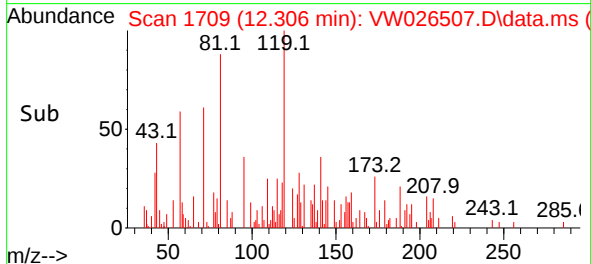
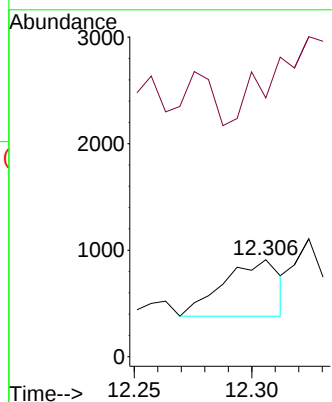
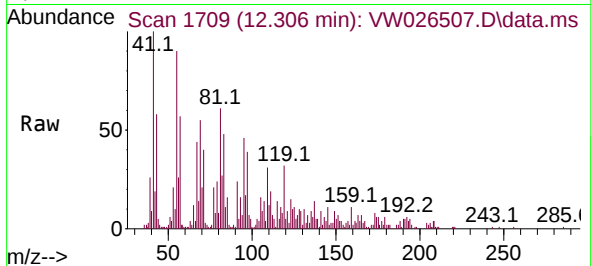




#54
o-Xylene
Concen: 1.187 ug/L
RT: 12.306 min Scan# 1709
Delta R.T. 0.140 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

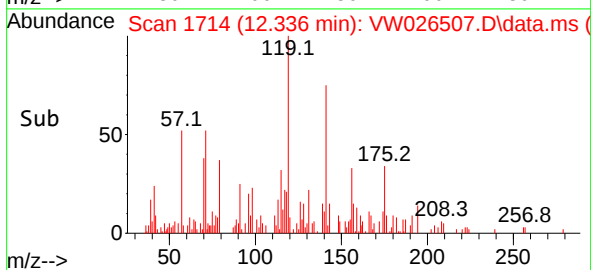
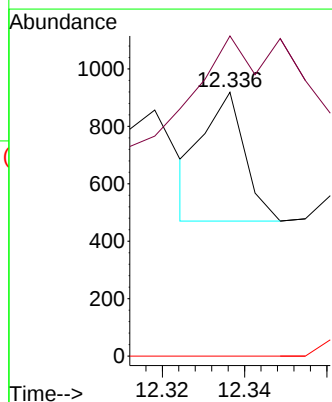
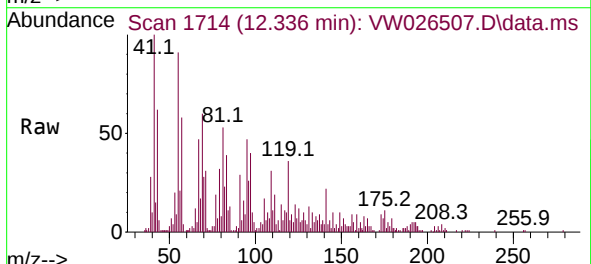
Instrument :
MSVOA_W
ClientSampleId :
A46W2

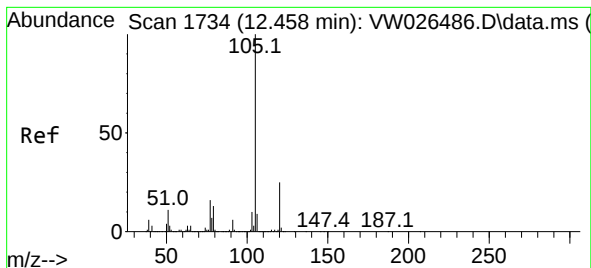
Tgt Ion:106 Resp: 884
Ion Ratio Lower Upper
106 100
91 266.6 145.5 270.1



#59
Bromoform
Concen: 2.669 ug/L
RT: 12.336 min Scan# 1714
Delta R.T. -0.012 min
Lab File: VW026507.D
Acq: 01 Jul 2023 06:00

Tgt Ion:173 Resp: 312
Ion Ratio Lower Upper
173 100
175 468.9 37.4 56.2#
254 0.0 7.3 10.9#





#60

Isopropylbenzene

Concen: 1.354 ug/L

RT: 12.458 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026507.D

Acq: 01 Jul 2023 06:00

Instrument :

MSVOA_W

ClientSampleId :

A46W2

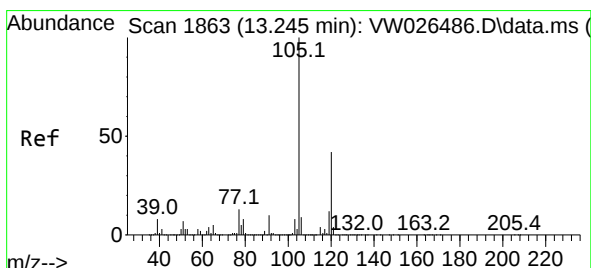
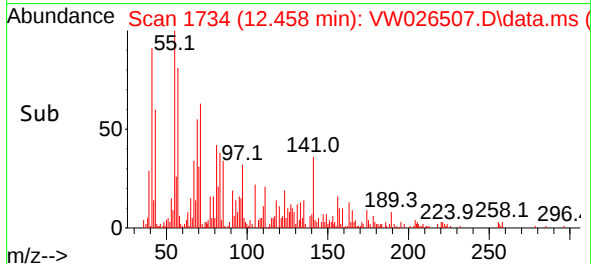
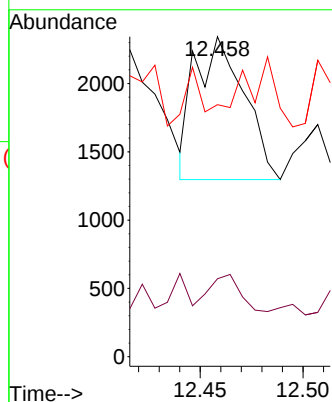
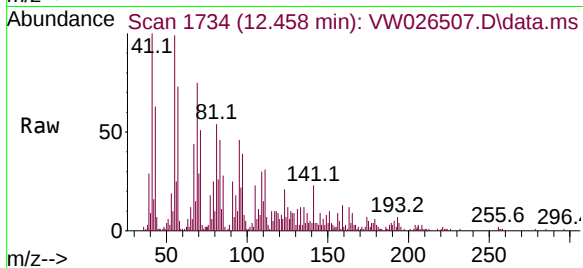
Tgt Ion:105 Resp: 1744

Ion Ratio Lower Upper

105 100

120 15.8 20.5 30.7#

77 0.0 12.9 19.3#



#63

1,2,4-Trimethylbenzene

Concen: 1.298 ug/L

RT: 13.105 min Scan# 1840

Delta R.T. -0.140 min

Lab File: VW026507.D

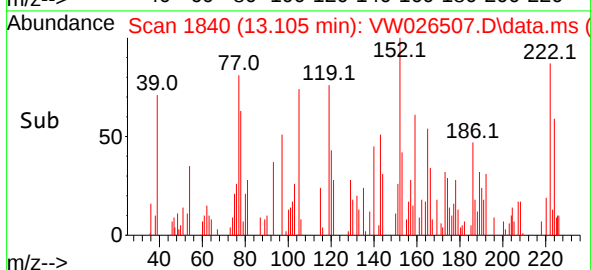
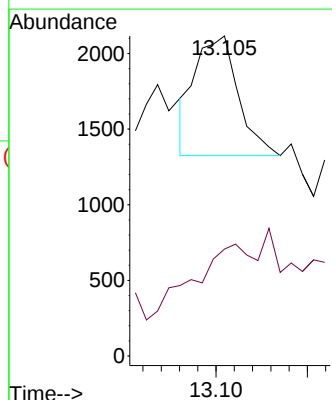
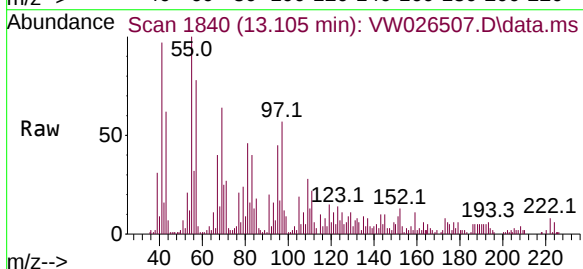
Acq: 01 Jul 2023 06:00

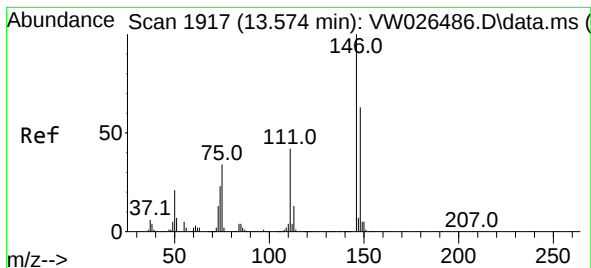
Tgt Ion:105 Resp: 1299

Ion Ratio Lower Upper

105 100

120 37.3 36.0 54.0





#65

1,4-Dichlorobenzene

Concen: 1.100 ug/L

RT: 13.568 min Scan# 1916

Delta R.T. -0.006 min

Lab File: VW026507.D

Acq: 01 Jul 2023 06:00

Instrument :

MSVOA_W

ClientSampleId :

A46W2

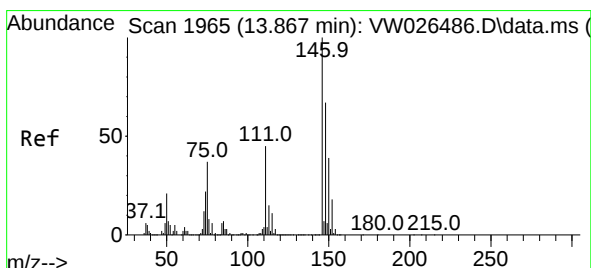
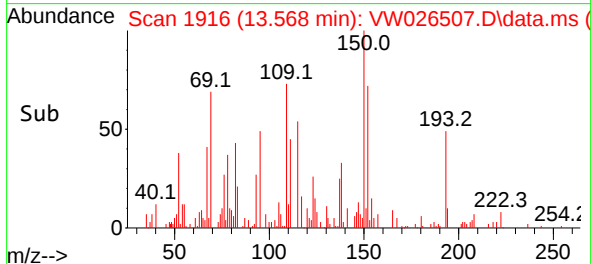
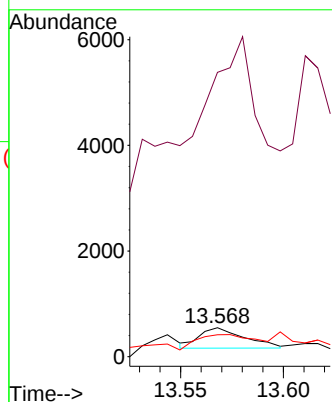
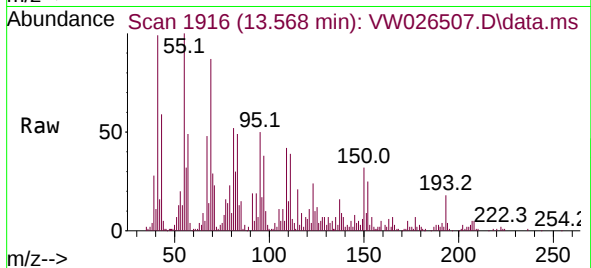
Tgt Ion:146 Resp: 591

Ion Ratio Lower Upper

146 100

111 982.1 30.7 56.9#

148 75.5 45.6 84.8



#67

1,2-Dichlorobenzene

Concen: 15.836 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW026507.D

Acq: 01 Jul 2023 06:00

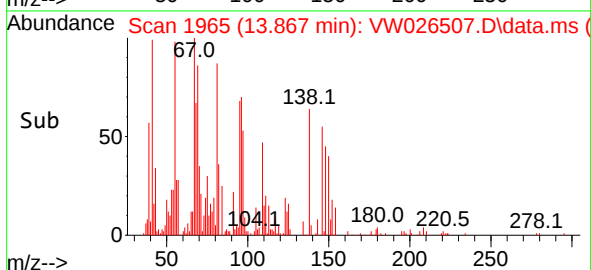
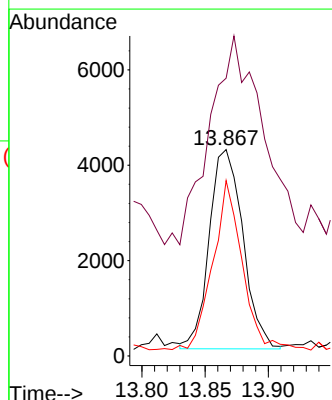
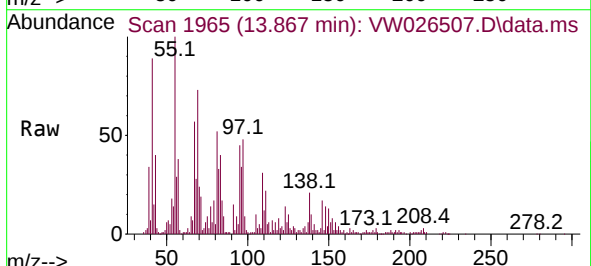
Tgt Ion:146 Resp: 7744

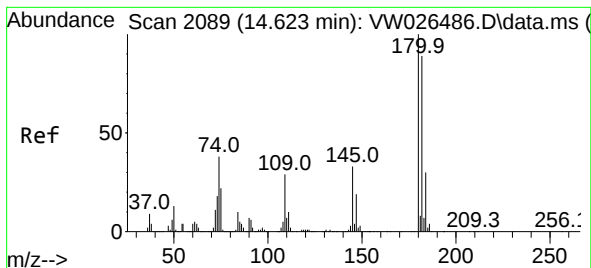
Ion Ratio Lower Upper

146 100

111 134.5 34.7 52.1#

148 85.0 49.6 74.4#





#69

1,3,5-Trichlorobenzene

Concen: 0.574 ug/L

RT: 14.604 min Scan# 2086

Delta R.T. -0.018 min

Lab File: VW026507.D

Acq: 01 Jul 2023 06:00

Instrument :

MSVOA_W

ClientSampleId :

A46W2

Tgt Ion:180 Resp: 211

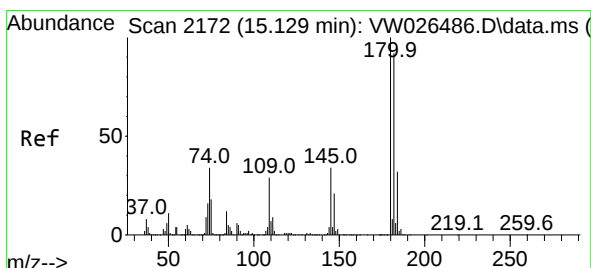
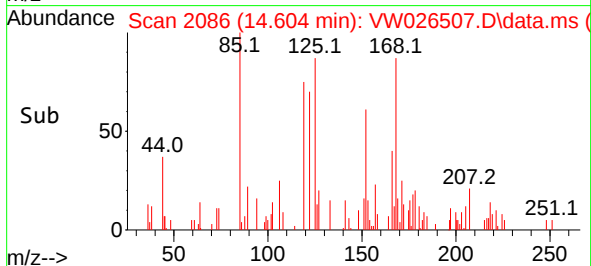
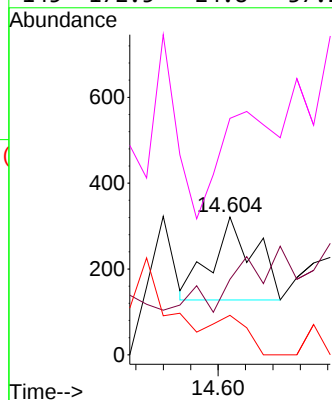
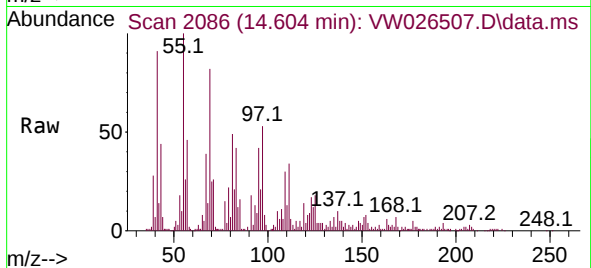
Ion Ratio Lower Upper

180 100

182 47.4 74.5 111.7#

184 39.3 23.8 35.6#

145 172.5 24.8 37.2#



#70

1,2,4-trichlorobenzene

Concen: 0.945 ug/L

RT: 15.110 min Scan# 2169

Delta R.T. -0.018 min

Lab File: VW026507.D

Acq: 01 Jul 2023 06:00

Tgt Ion:180 Resp: 301

Ion Ratio Lower Upper

180 100

182 198.7 75.5 113.3#

145 488.0 26.2 39.2#

