

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
 Data File : VW026495.D
 Acq On : 01 Jul 2023 01:12
 Operator : SY/MD
 Sample : 03444-15
 Misc : 4.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A46W0

Quant Time: Jul 03 01:14:10 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	341666	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	318718	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	94288	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.351	65	92201	23.701	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.800%
7) Chloroethane-d5	2.893	69	97797	30.873	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.480%
11) 1,1-Dichloroethene-d2	4.015	65	44065	22.639	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.560%
21) 2-Butanone-d5	7.075	46	68712	46.737	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.480%
24) Chloroform-d	7.648	84	190263	22.846	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.400%
26) 1,2-Dichloroethane-d4	8.307	65	121400	26.670	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.680%
32) Benzene-d6	8.276	84	368000	19.853	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	79.400%
36) 1,2-Dichloropropane-d6	9.276	67	121545	20.574	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.280%
41) Toluene-d8	10.319	98	304166	18.577	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.320%
43) trans-1,3-Dichloroprop...	10.575	79	48326	20.294	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.160%
47) 2-Hexanone-d5	10.922	63	50376	50.988	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.980%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	112532	24.670	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.680%
66) 1,2-Dichlorobenzene-d4	13.849	152	64667	19.697	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	78.800%
Target Compounds						
					Qvalue	
8) Chloroethane	2.930	64	94814	32.276	ug/L	100
13) Acetone	4.119	43	146836	141.383	ug/L	92
14) Carbon disulfide	4.381	76	12796	1.033	ug/L	100
22) 2-Butanone	7.173	43	59068	34.690	ug/L	96
29) Cyclohexane	7.947	56	5518	0.611	ug/L #	86
35) Methylcyclohexane	9.331	83	6114	0.675	ug/L #	57
42) Toluene	10.386	91	39079	1.914	ug/L	98
45) 1,1,2-Trichloroethane	10.764	97	3736	1.035	ug/L #	49
48) 2-Hexanone	10.928	43	21601	8.846	ug/L #	35
52) Ethylbenzene	11.727	91	60813	2.647	ug/L	97
53) m,p-Xylene	11.843	106	18767	2.203	ug/L	90
54) o-Xylene	12.166	106	44772	5.666	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.684	83	5845	1.326	ug/L #	93
60) Isopropylbenzene	12.459	105	15830	1.151	ug/L #	80
62) 1,3,5-Trimethylbenzene	12.940	105	15479	1.415	ug/L	89
63) 1,2,4-Trimethylbenzene	13.251	105	64668	6.053	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	9207	1.763	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.714	75	1091	2.310	ug/L #	1
70) 1,2,4-trichlorobenzene	15.129	180	2525	0.743	ug/L #	1

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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

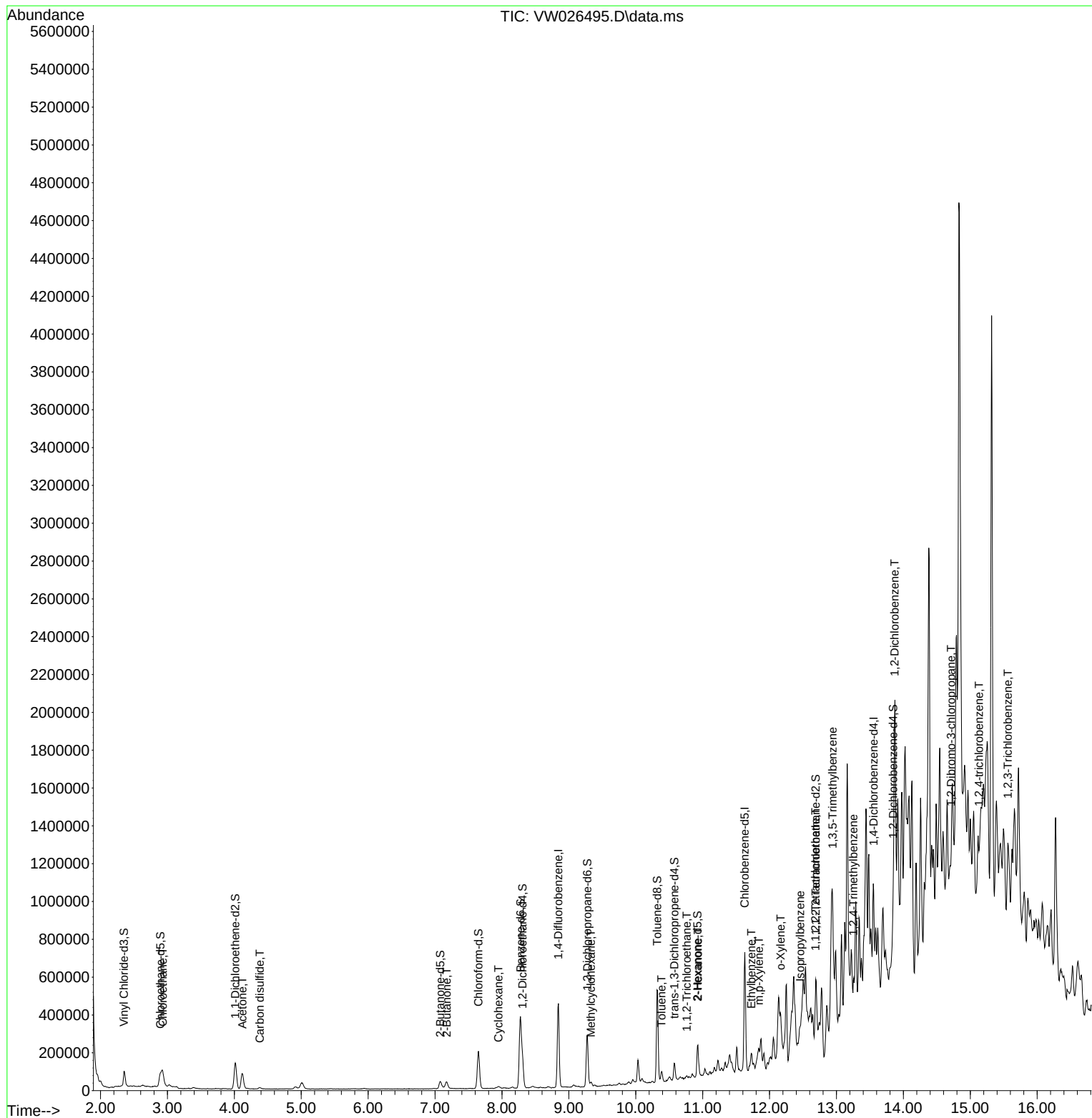
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.562	180	4788	1.638	ug/L	# 1

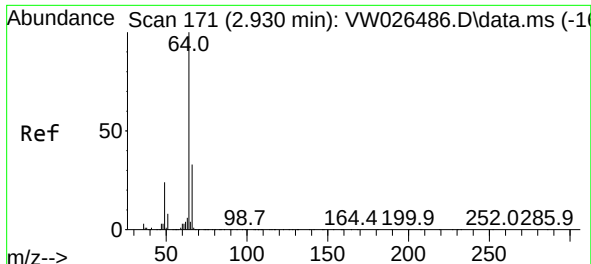
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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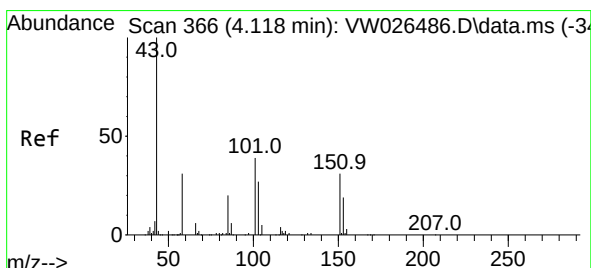
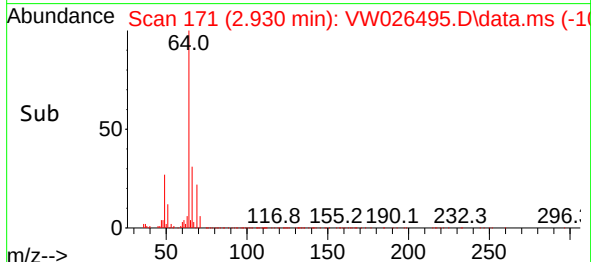
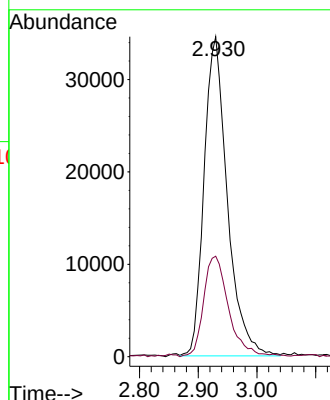
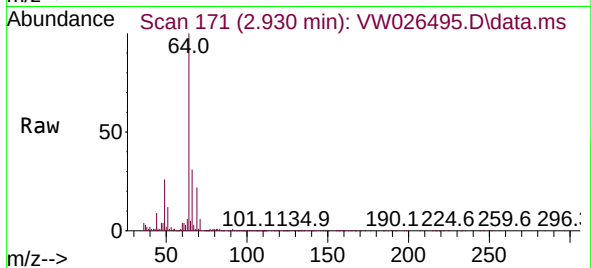




#8
Chloroethane
Concen: 32.276 ug/L
RT: 2.930 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

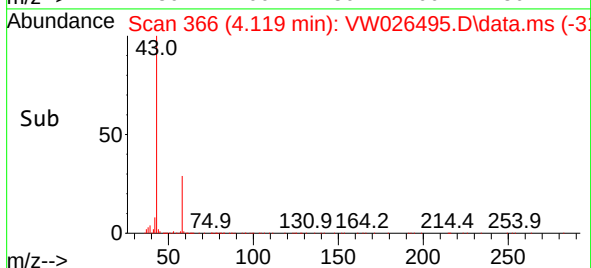
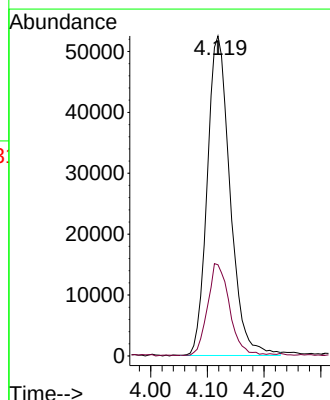
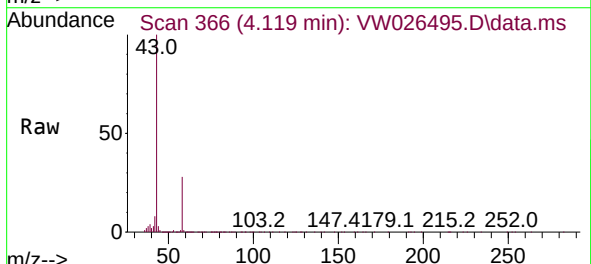
Instrument :
MSVOA_W
ClientSampleId :
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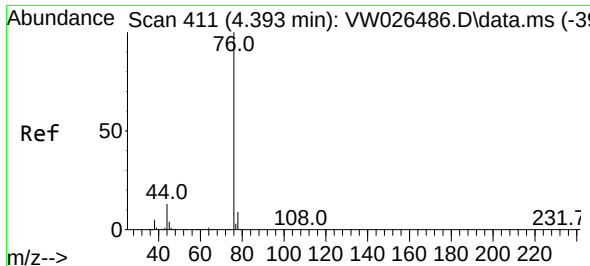
Tgt Ion: 64 Resp: 94814
Ion Ratio Lower Upper
64 100
66 31.4 22.1 41.1



#13
Acetone
Concen: 141.383 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

Tgt Ion: 43 Resp: 146836
Ion Ratio Lower Upper
43 100
58 27.3 0.0 63.2

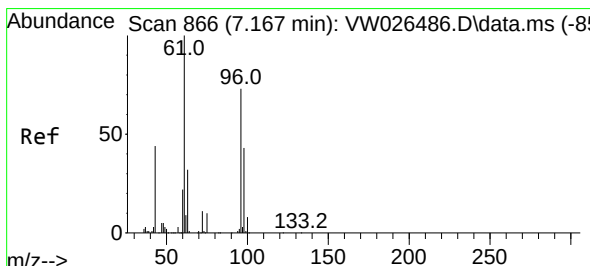
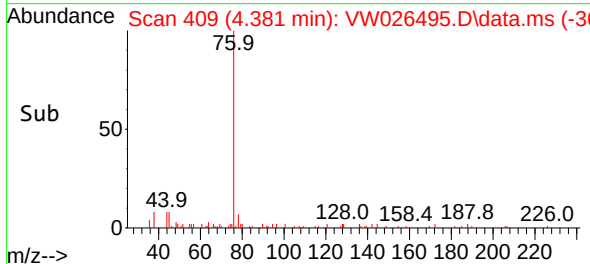
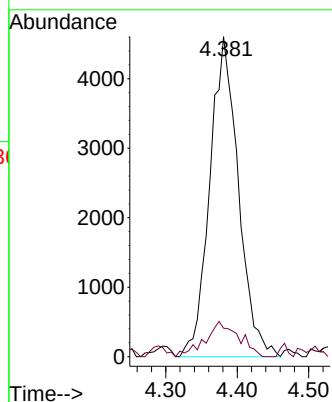
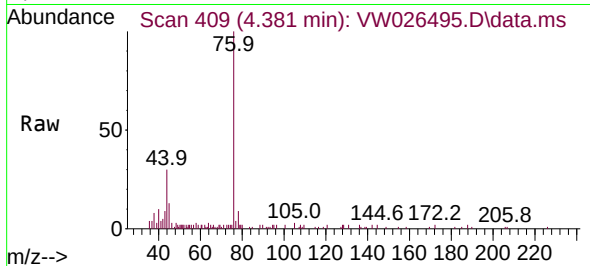




#14
Carbon disulfide
Concen: 1.033 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.012 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

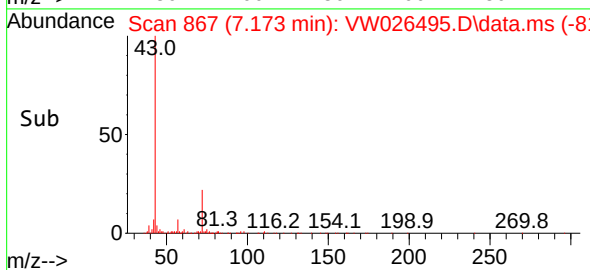
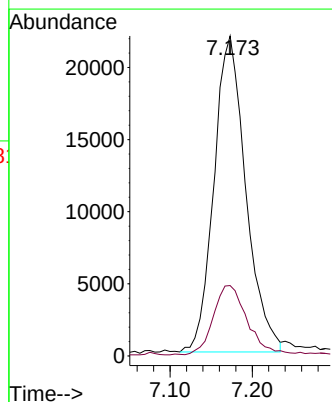
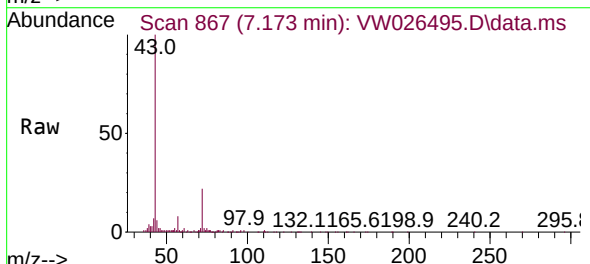
Instrument :
MSVOA_W
ClientSampleId :
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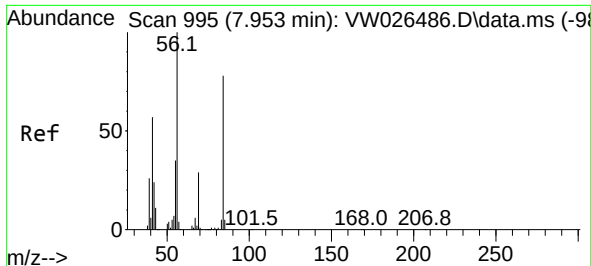
Tgt Ion: 76 Resp: 12796
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#22
2-Butanone
Concen: 34.690 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

Tgt Ion: 43 Resp: 59068
Ion Ratio Lower Upper
43 100
72 23.2 12.6 37.8

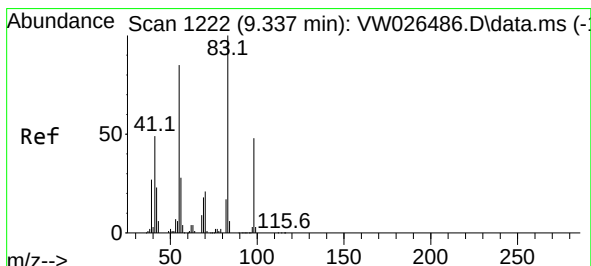
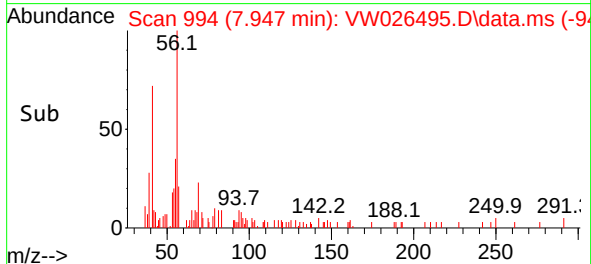
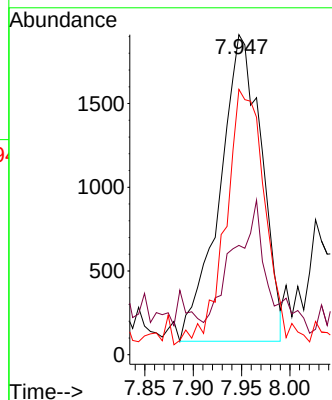
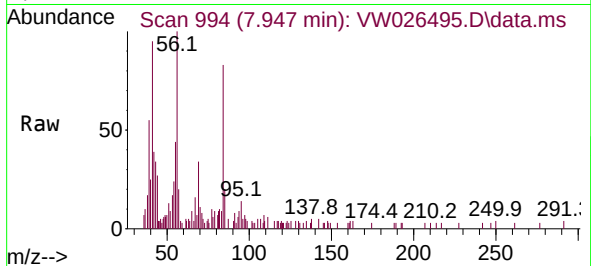




#29
Cyclohexane
Concen: 0.611 ug/L
RT: 7.947 min Scan# 994
Delta R.T. -0.006 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

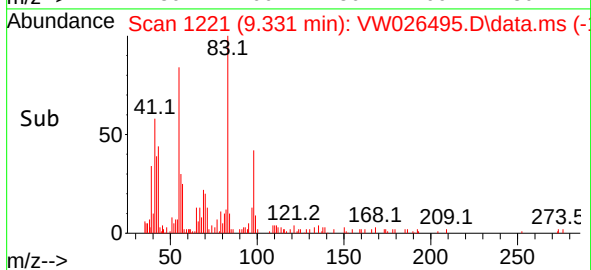
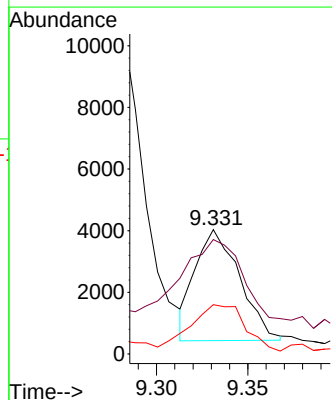
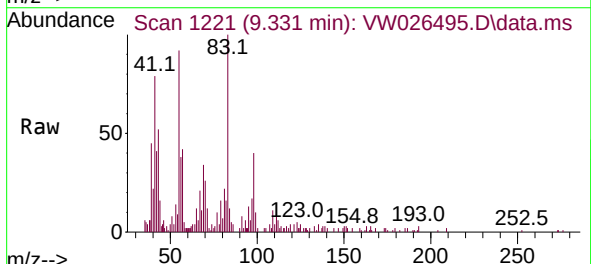
Instrument :
MSVOA_W
ClientSampleId :
A46W0

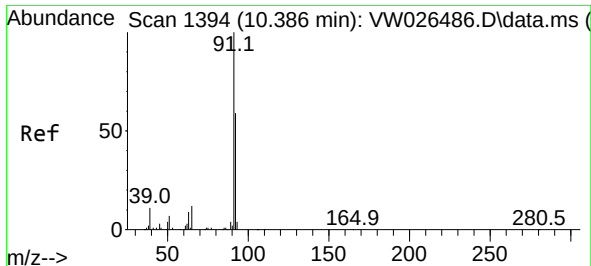
Tgt Ion: 56 Resp: 5518
Ion Ratio Lower Upper
56 100
69 14.9 23.2 34.8#
84 71.6 63.5 95.3



#35
Methylcyclohexane
Concen: 0.675 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

Tgt Ion: 83 Resp: 6114
Ion Ratio Lower Upper
83 100
55 137.8 66.5 99.7#
98 53.2 37.0 55.6

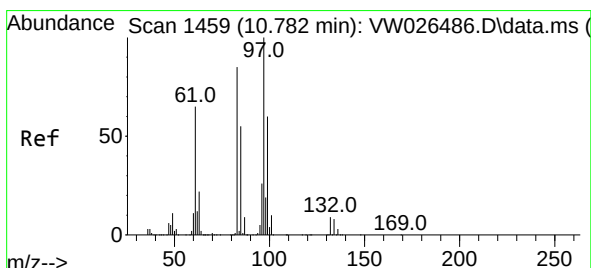
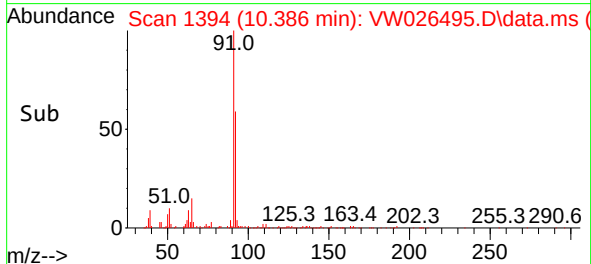
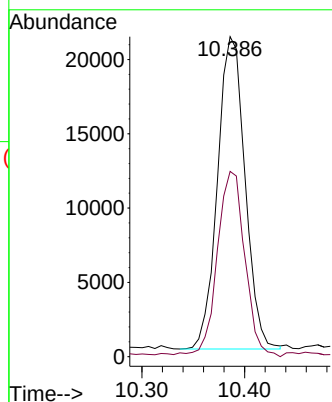
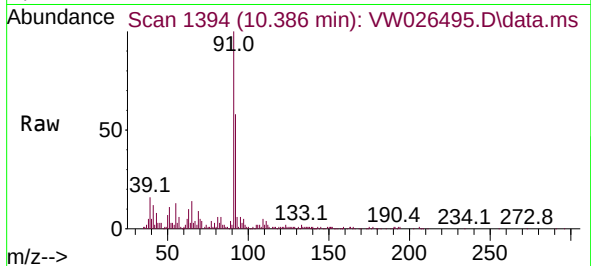




#42
Toluene
Concen: 1.914 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

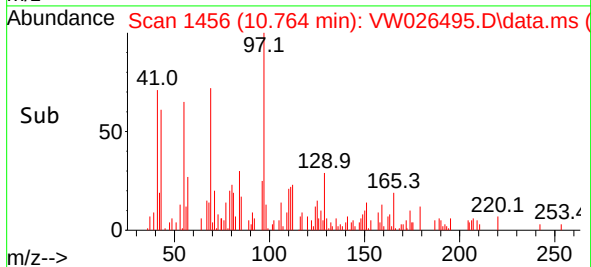
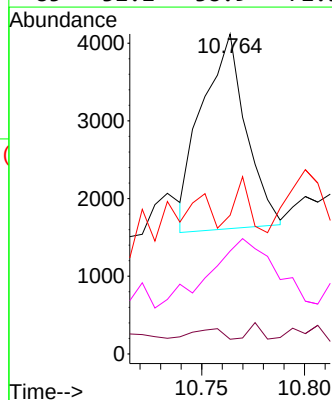
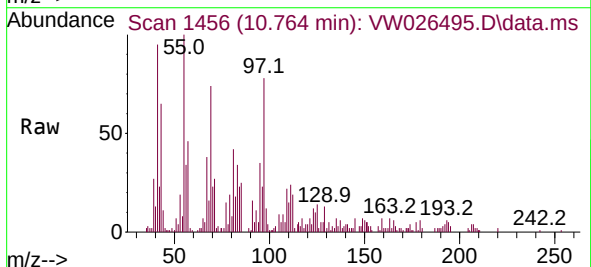
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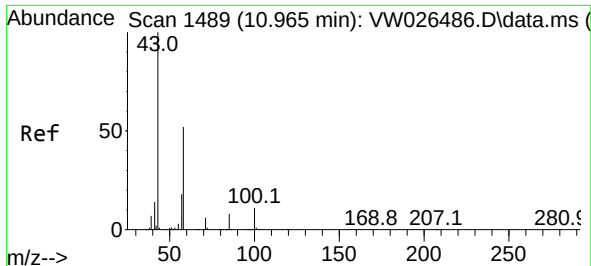
Tgt Ion: 91 Resp: 39079
Ion Ratio Lower Upper
91 100
92 57.9 41.4 76.8



#45
1,1,2-Trichloroethane
Concen: 1.035 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.018 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

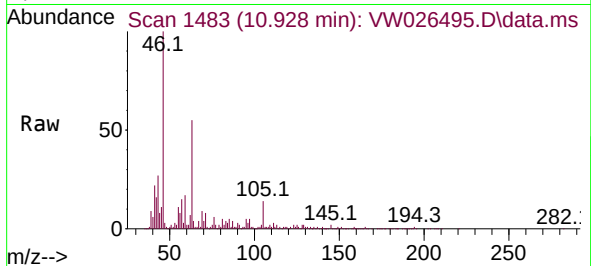
Tgt Ion: 97 Resp: 3736
Ion Ratio Lower Upper
97 100
99 4.6 42.1 78.3#
83 43.3 60.5 112.5#
85 32.2 38.9 72.3#



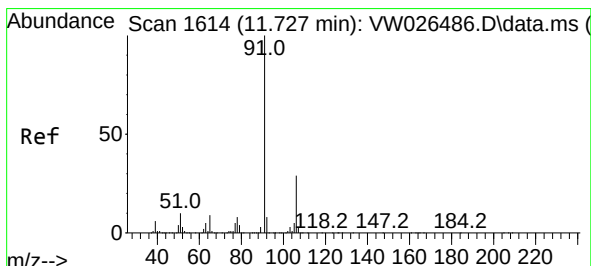
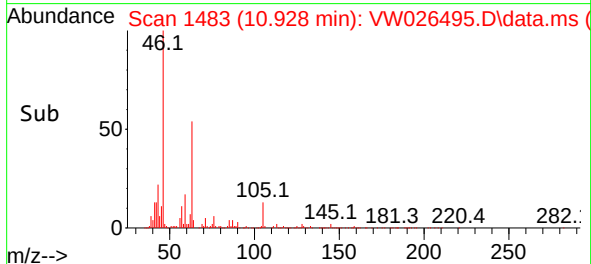
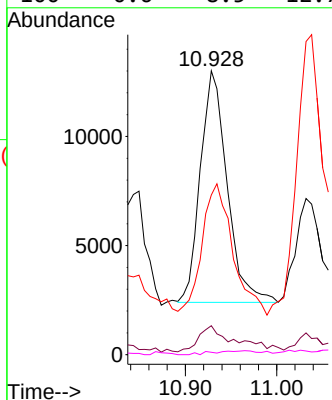


#48
2-Hexanone
Concen: 8.846 ug/L
RT: 10.928 min Scan# 1483
Delta R.T. -0.036 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

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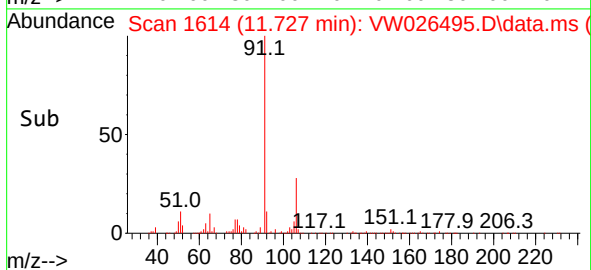
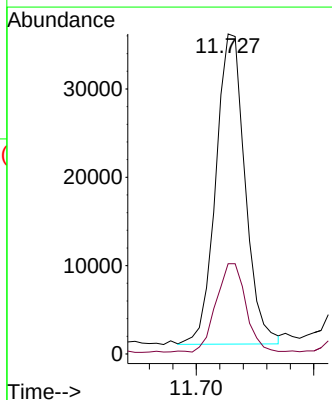
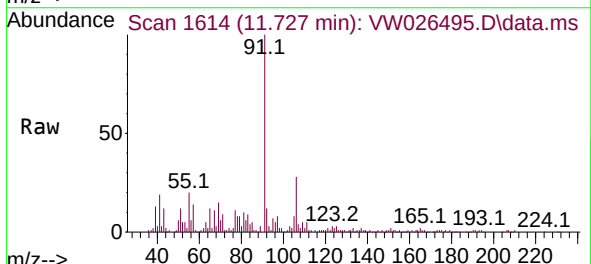


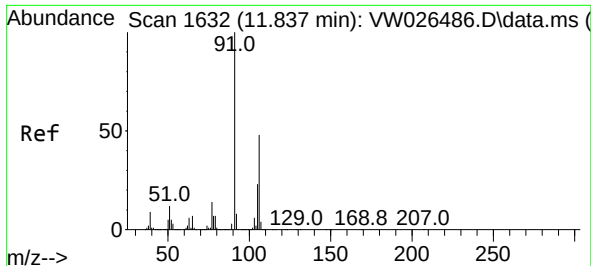
Tgt Ion: 43	Resp: 21601
Ion Ratio	Lower Upper
43 100	
58 11.1	42.1 63.1#
57 65.3	14.5 21.7#
100 0.6	8.5 12.7#



#52
Ethylbenzene
Concen: 2.647 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

Tgt Ion: 91	Resp: 60813		
Ion Ratio	Lower	Upper	
91 100			
106 28.2	20.9	38.7	

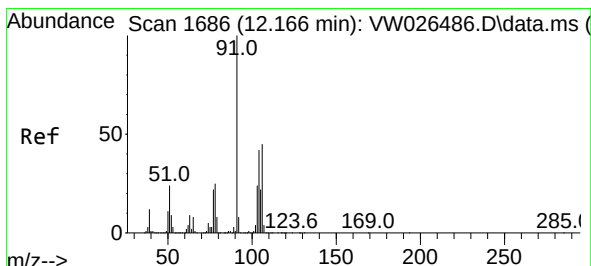
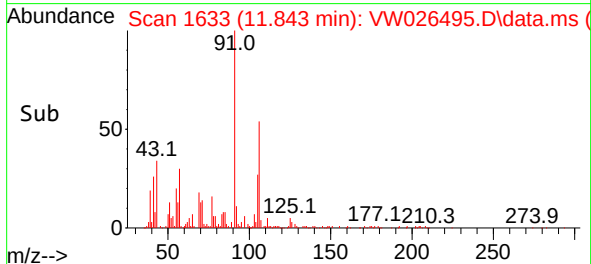
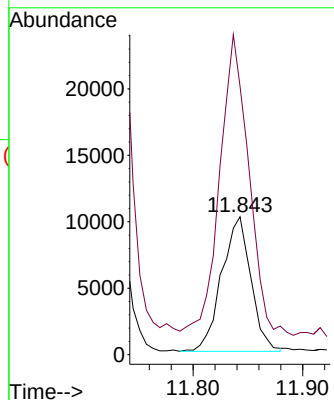
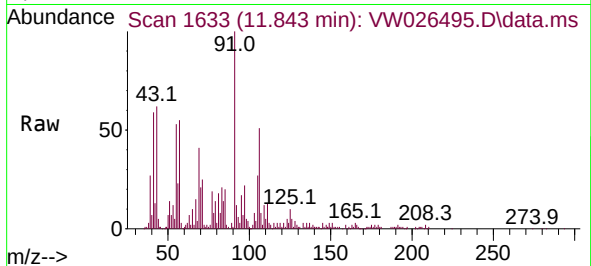




#53
m,p-Xylene
Concen: 2.203 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

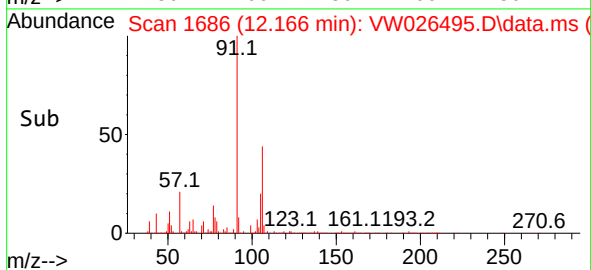
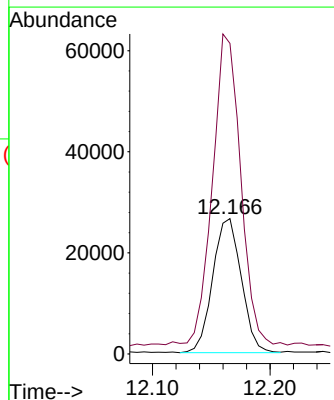
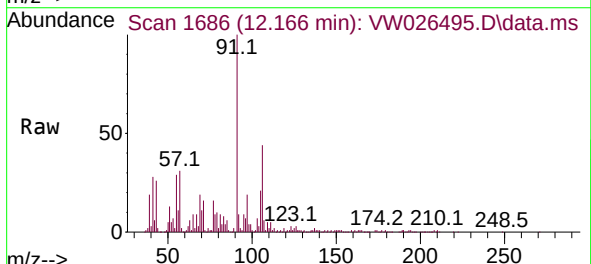
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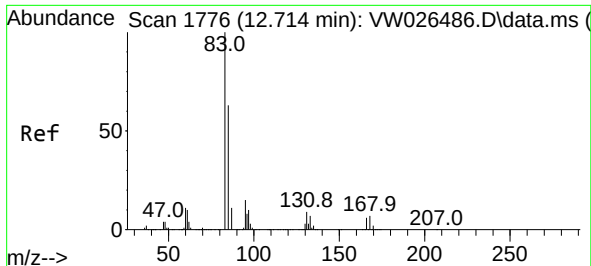
Tgt Ion:106 Resp: 18767
Ion Ratio Lower Upper
106 100
91 194.6 146.7 272.5



#54
o-Xylene
Concen: 5.666 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

Tgt Ion:106 Resp: 44772
Ion Ratio Lower Upper
106 100
91 229.4 145.5 270.1





#57

1,1,2-Tetrachloroethane

Concen: 1.326 ug/L

RT: 12.684 min Scan# 1

Delta R.T. -0.030 min

Lab File: VW026495.D

Acq: 01 Jul 2023 01:12

Instrument :

MSVOA_W

ClientSampleId :

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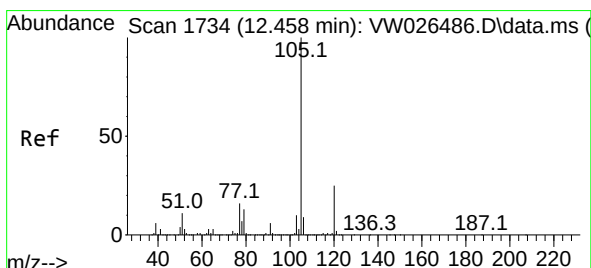
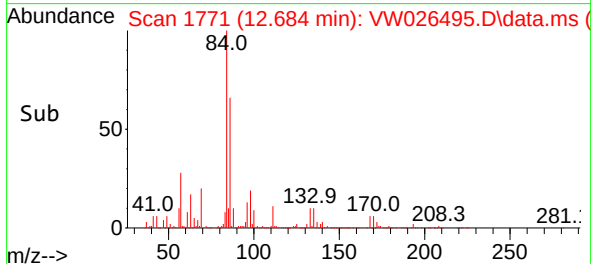
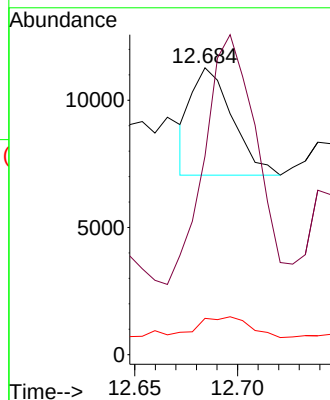
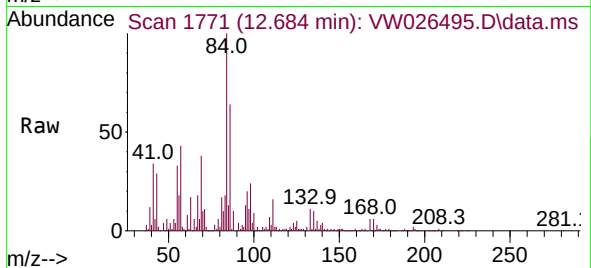
Tgt Ion: 83 Resp: 5845

Ion Ratio Lower Upper

83 100

85 69.2 44.6 82.8

131 12.7 7.2 10.8#



#60

Isopropylbenzene

Concen: 1.151 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW026495.D

Acq: 01 Jul 2023 01:12

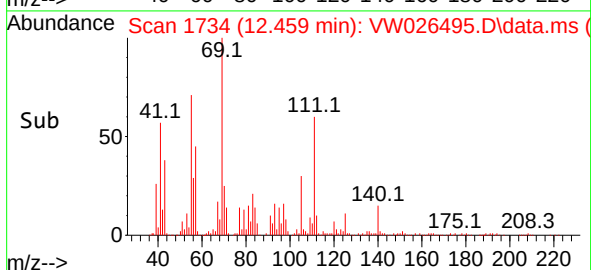
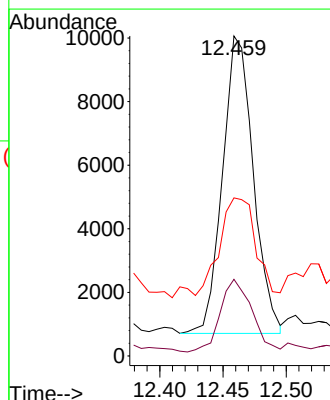
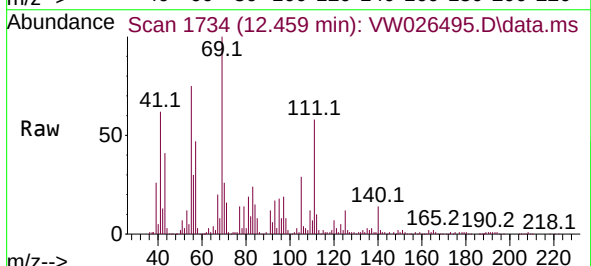
Tgt Ion:105 Resp: 15830

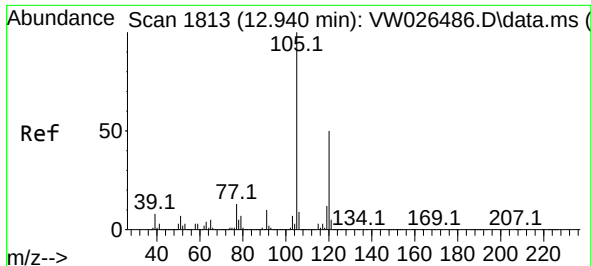
Ion Ratio Lower Upper

105 100

120 25.0 20.5 30.7

77 37.8 12.9 19.3#

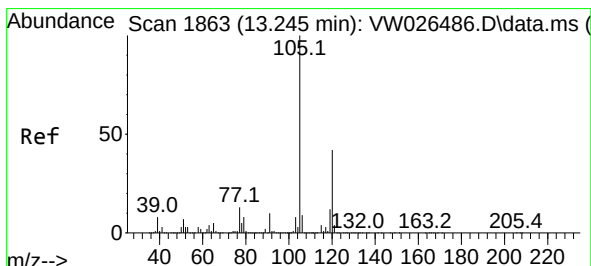
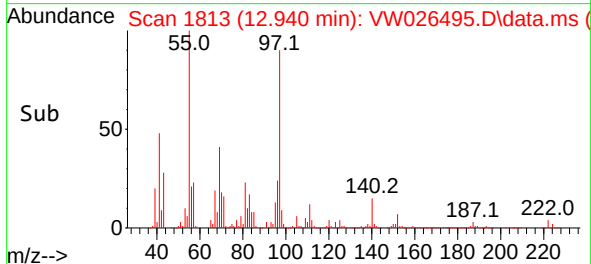
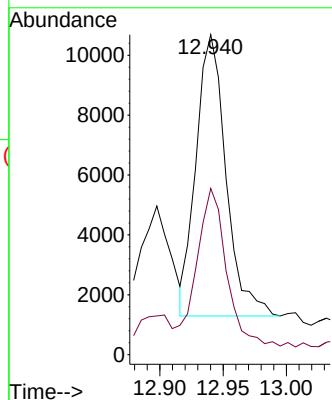
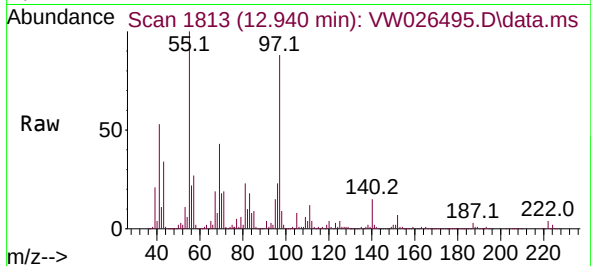




#62
 1,3,5-Trimethylbenzene
 Concen: 1.415 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: VW026495.D
 Acq: 01 Jul 2023 01:12

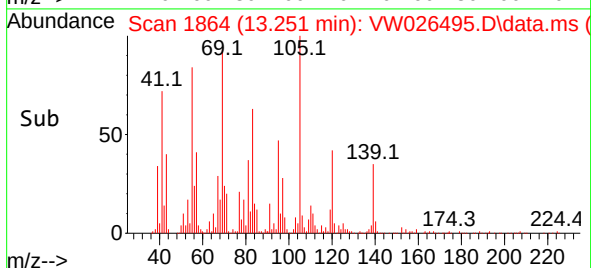
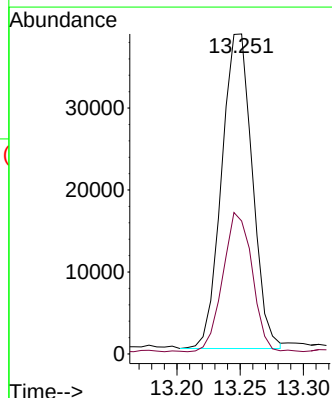
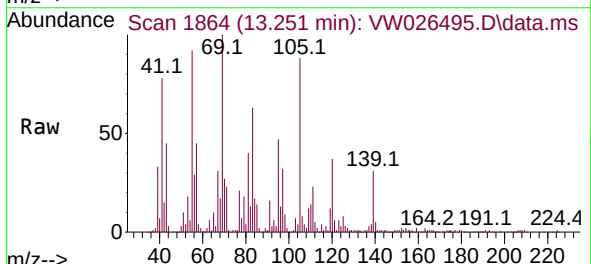
Instrument :
 MSVOA_W
 ClientSampleId :
 A46W0

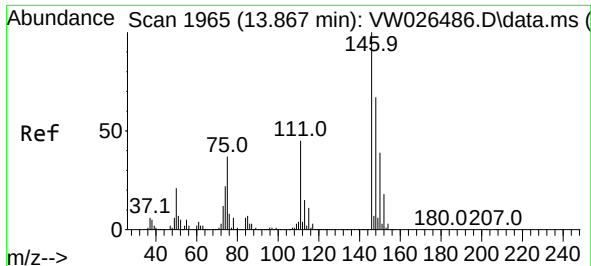
Tgt Ion:105 Resp: 15479
 Ion Ratio Lower Upper
 105 100
 120 56.7 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 6.053 ug/L
 RT: 13.251 min Scan# 1864
 Delta R.T. 0.006 min
 Lab File: VW026495.D
 Acq: 01 Jul 2023 01:12

Tgt Ion:105 Resp: 64668
 Ion Ratio Lower Upper
 105 100
 120 42.1 36.0 54.0





#67

1,2-Dichlorobenzene

Concen: 1.763 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026495.D

Acq: 01 Jul 2023 01:12

Instrument :

MSVOA_W

ClientSampleId :

A46W0

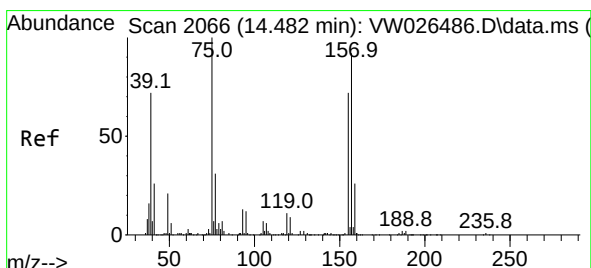
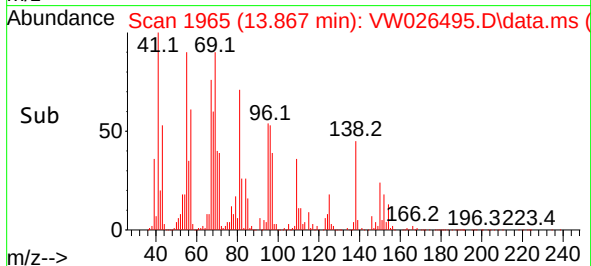
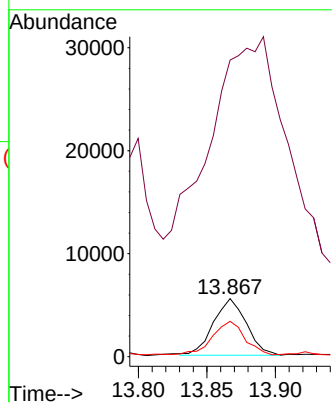
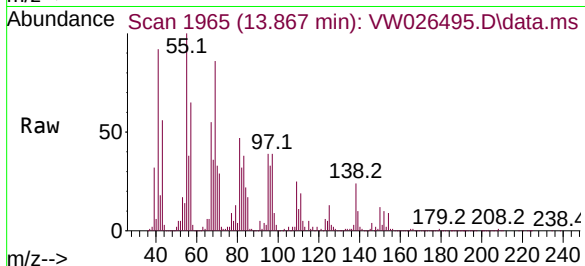
Tgt Ion:146 Resp: 9207

Ion Ratio Lower Upper

146 100

111 511.0 34.7 52.1#

148 60.9 49.6 74.4



#68

1,2-Dibromo-3-chloropropane

Concen: 2.310 ug/L

RT: 14.714 min Scan# 2104

Delta R.T. 0.232 min

Lab File: VW026495.D

Acq: 01 Jul 2023 01:12

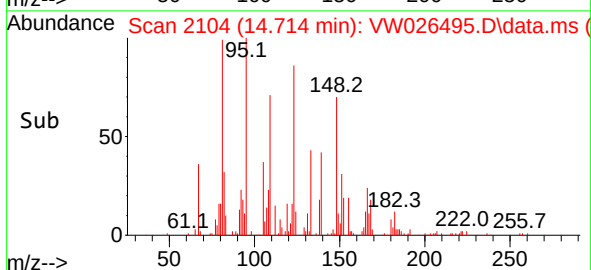
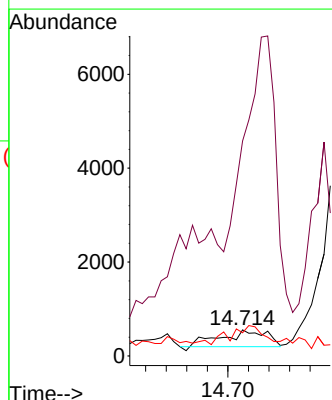
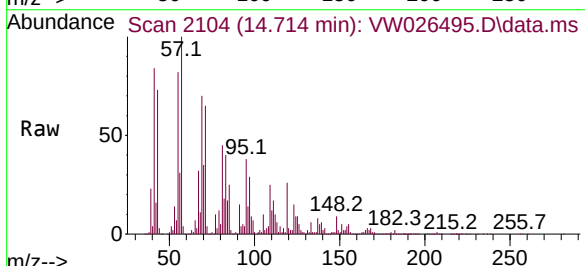
Tgt Ion: 75 Resp: 1091

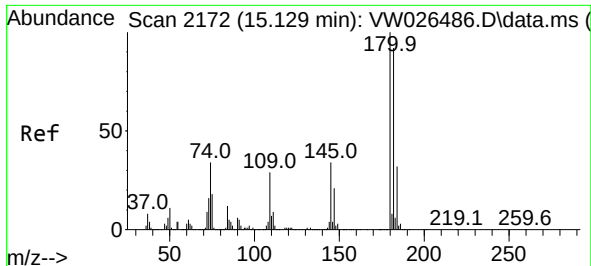
Ion Ratio Lower Upper

75 100

155 827.1 58.5 87.7#

157 89.4 77.4 116.2

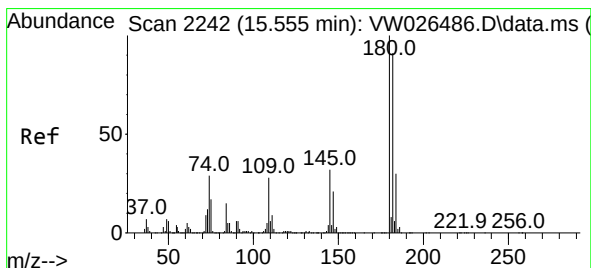
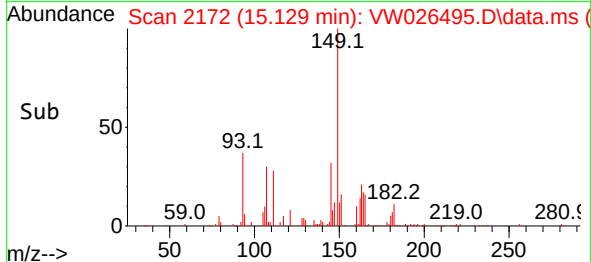
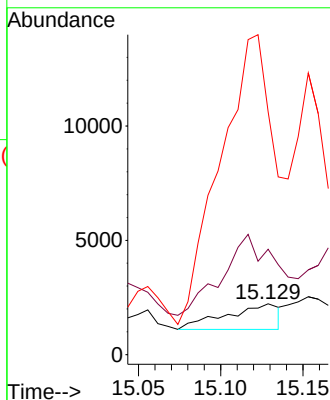
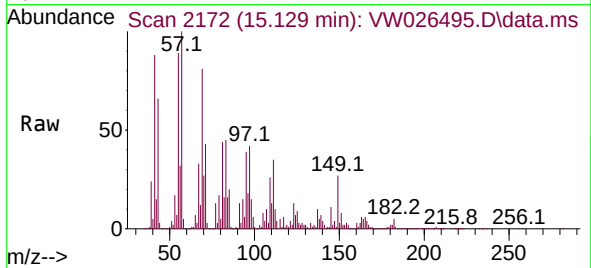




#70
1,2,4-trichlorobenzene
Concen: 0.743 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

Instrument :
MSVOA_W
ClientSampleId :
A46W0

Tgt Ion:180 Resp: 2525
Ion Ratio Lower Upper
180 100
182 213.7 75.5 113.3#
145 1190.0 26.2 39.2#



#72
1,2,3-Trichlorobenzene
Concen: 1.638 ug/L
RT: 15.562 min Scan# 2243
Delta R.T. 0.006 min
Lab File: VW026495.D
Acq: 01 Jul 2023 01:12

Tgt Ion:180 Resp: 4788
Ion Ratio Lower Upper
180 100
182 57.3 75.7 113.5#
145 305.9 27.0 40.6#

