

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026894.D
 Acq On : 25 Aug 2023 14:42
 Operator : SY/MD
 Sample : 04113-16RE
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 26 01:46:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 26 01:43:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	61799	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	47413	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	25573	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	12090	11.901	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	47.600%
7) Chloroethane-d5	2.881	69	12859	17.022	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.080%
11) 1,1-Dichloroethene-d2	4.015	65	7098	14.206	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.840%
21) 2-Butanone-d5	7.161	46	376	1.288	ug/L	0.08
Spiked Amount	50.000	Range	20 - 135	Recovery	=	2.580%#
24) Chloroform-d	7.648	84	40739	19.641	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.560%
26) 1,2-Dichloroethane-d4	8.307	65	24044	21.006	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.040%
32) Benzene-d6	8.276	84	70642	21.618	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.480%
36) 1,2-Dichloropropane-d6	9.276	67	26168	25.709	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.840%
41) Toluene-d8	10.325	98	52065	18.562	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	74.240%
43) trans-1,3-Dichloroprop...	10.581	79	5705	13.575	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	54.320%
47) 2-Hexanone-d5	10.922	63	7568	70.761	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	141.520%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	30284	37.675	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	150.680%#
66) 1,2-Dichlorobenzene-d4	13.861	152	25266	27.603	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.400%
Target Compounds						
					Qvalue	
13) Acetone	4.125	43	7767	26.753	ug/L	83
14) Carbon disulfide	4.387	76	3226	0.982	ug/L #	36
16) Methylene chloride	4.923	84	5197	4.347	ug/L	85
29) Cyclohexane	7.929	56	1269	0.865	ug/L #	79
35) Methylcyclohexane	9.331	83	14684	9.761	ug/L #	71
37) 1,2-Dichloropropane	9.276	63	3521	3.723	ug/L	100
45) 1,1,2-Trichloroethane	10.764	97	19304	29.845	ug/L #	25
48) 2-Hexanone	10.934	43	54505	130.210	ug/L #	26
50) 1,2-Dibromoethane	11.227	107	643	1.059	ug/L #	1
52) Ethylbenzene	11.733	91	3475	0.887	ug/L	94
53) m,p-Xylene	11.837	106	3798	2.617	ug/L	89
54) o-Xylene	12.160	106	3968	2.930	ug/L	73
57) 1,1,2,2-Tetrachloroethane	12.684	83	49884	60.898	ug/L #	77
60) Isopropylbenzene	13.099	105	14789	3.890	ug/L	92
62) 1,3,5-Trimethylbenzene	12.946	105	4736	1.576	ug/L	94
63) 1,2,4-Trimethylbenzene	13.245	105	10603	3.600	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.409	75	3817	25.524	ug/L #	41
70) 1,2,4-trichlorobenzene	15.129	180	3083	3.255	ug/L #	1
71) Naphthalene	15.360	128	1474	0.816	ug/L #	68

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Quant Title : SFAM01.0
QLast Update : Sat Aug 26 01:43:45 2023
Response via : Initial Calibration

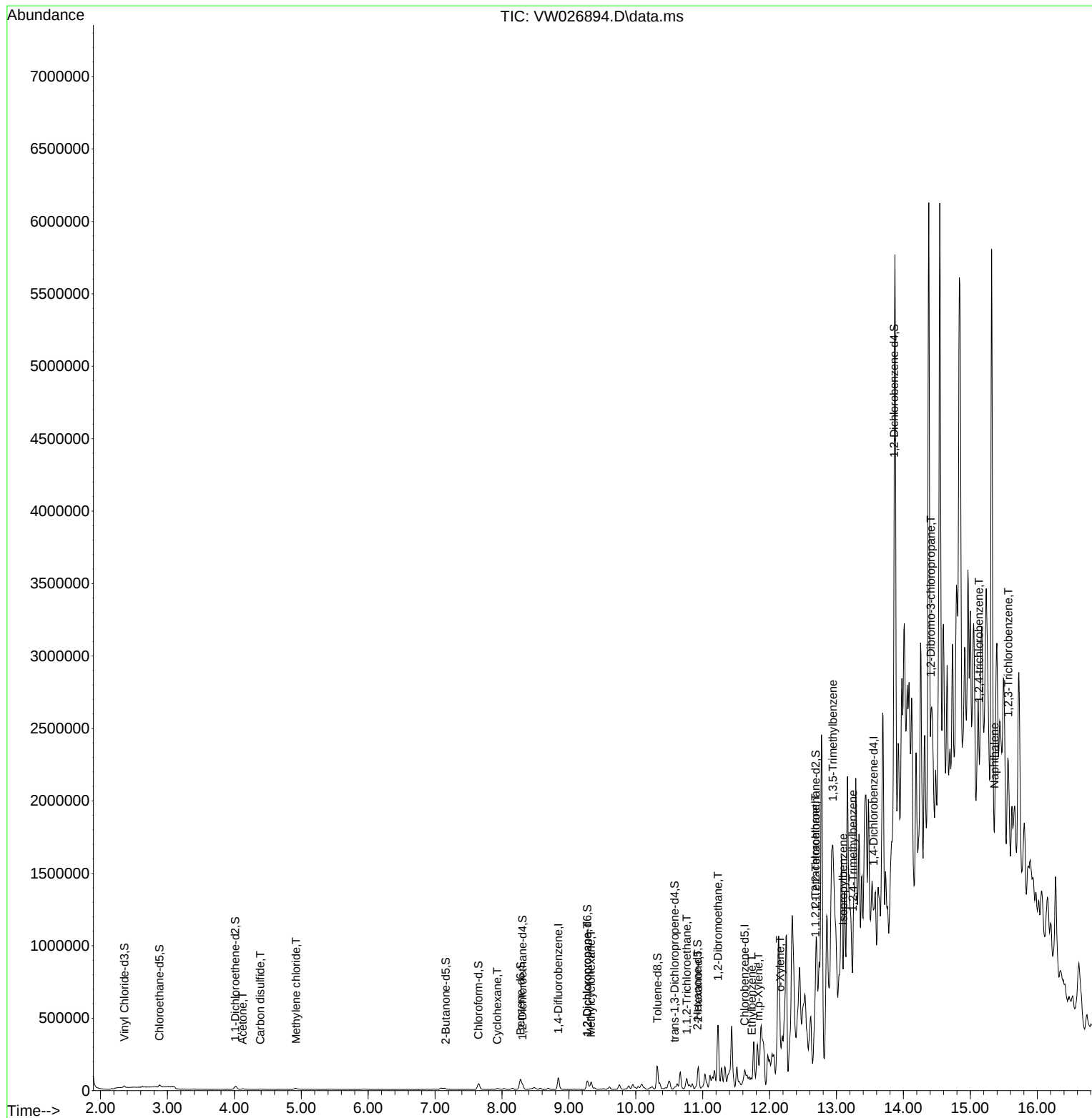
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	15.568	180	12390	14.503	ug/L	# 18

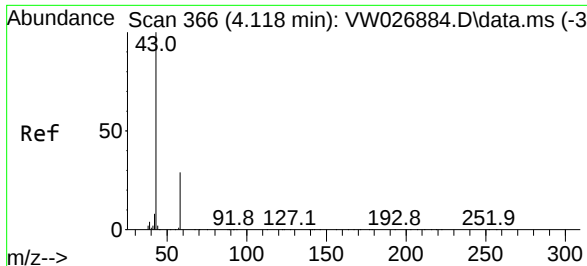
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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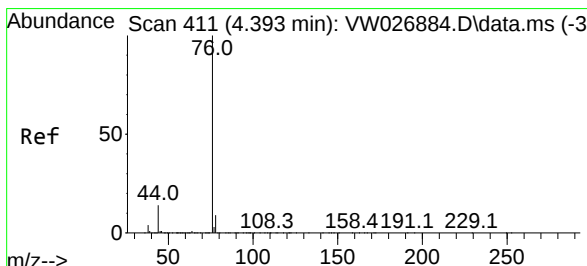
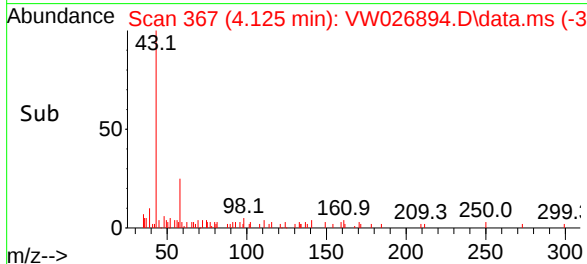
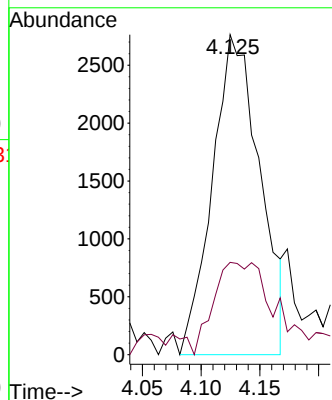
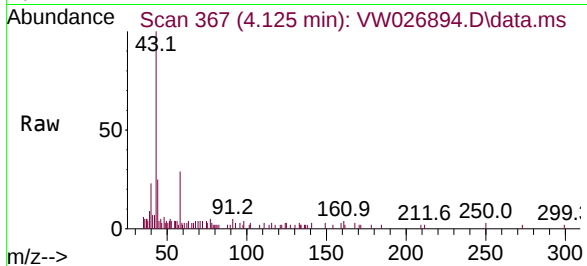




#13
Acetone
Concen: 26.753 ug/L
RT: 4.125 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

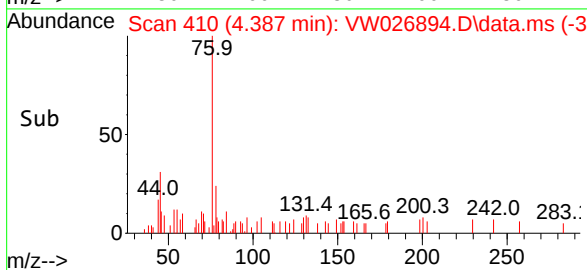
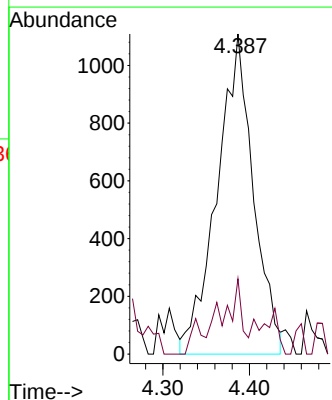
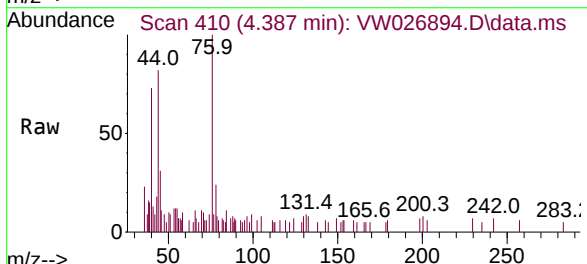
Instrument :
MSVOA_W
ClientSampleId :

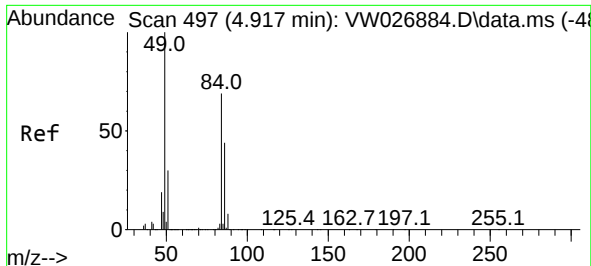
Tgt Ion: 43 Resp: 7767
Ion Ratio Lower Upper
43 100
58 19.5 0.0 57.4



#14
Carbon disulfide
Concen: 0.982 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

Tgt Ion: 76 Resp: 3226
Ion Ratio Lower Upper
76 100
78 31.9 7.1 10.7#

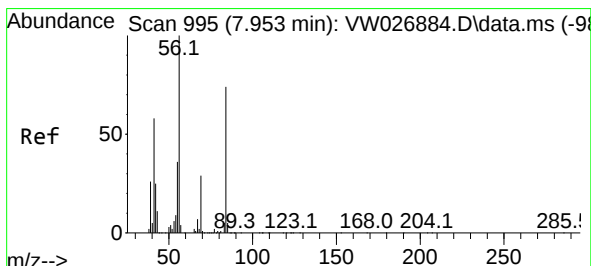
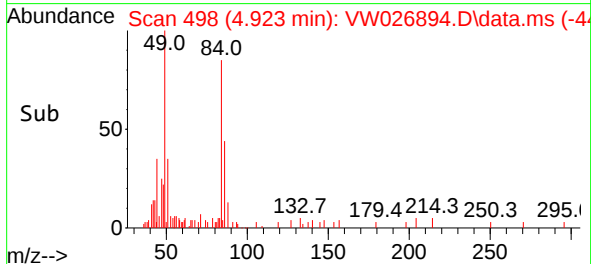
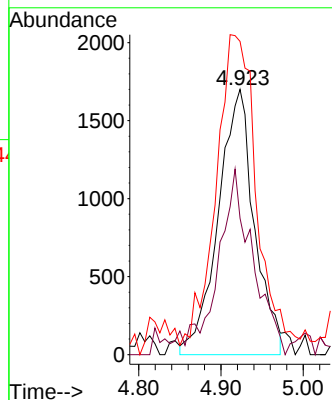
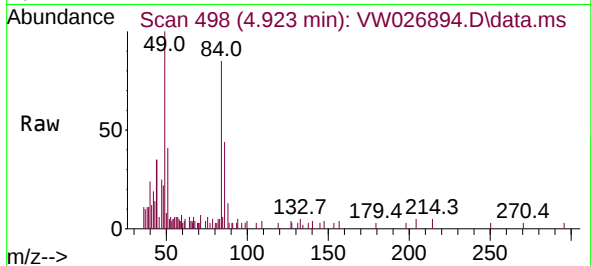




#16
Methylene chloride
Concen: 4.347 ug/L
RT: 4.923 min Scan# 491
Delta R.T. 0.006 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

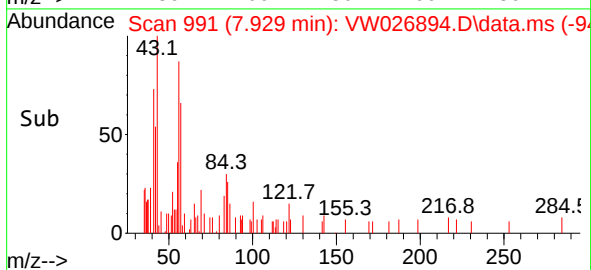
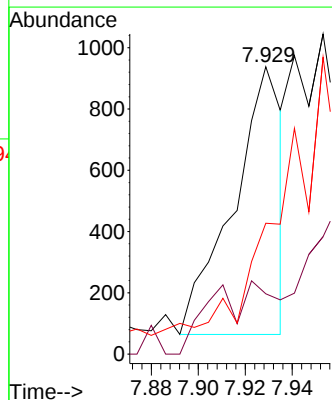
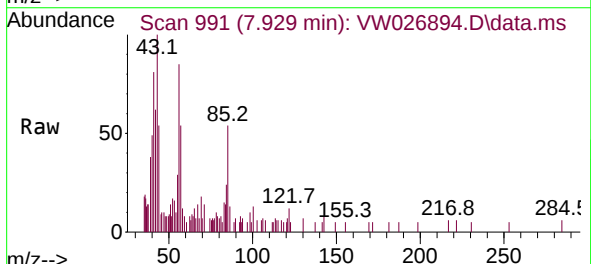
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MSVOA_W
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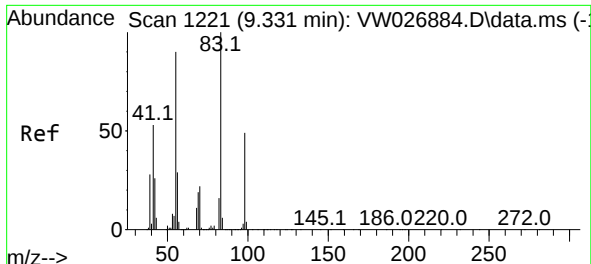
Tgt Ion: 84 Resp: 5197
Ion Ratio Lower Upper
84 100
86 51.5 43.5 80.9
49 118.1 96.0 178.2



#29
Cyclohexane
Concen: 0.865 ug/L
RT: 7.929 min Scan# 991
Delta R.T. -0.024 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

Tgt Ion: 56 Resp: 1269
Ion Ratio Lower Upper
56 100
69 12.4 23.2 34.8
84 63.3 62.7 94.1





#35

Methylcyclohexane

Concen: 9.761 ug/L

RT: 9.331 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026894.D

Acq: 25 Aug 2023 14:42

Instrument :

MSVOA_W

ClientSampleId :

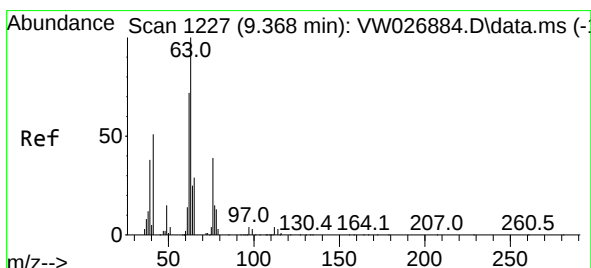
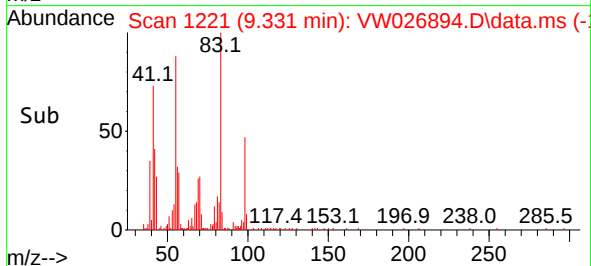
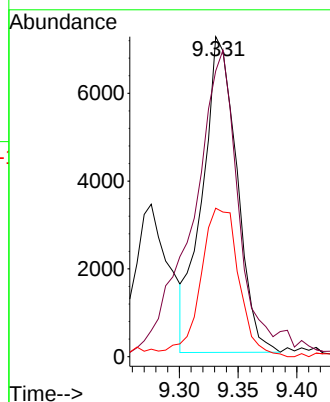
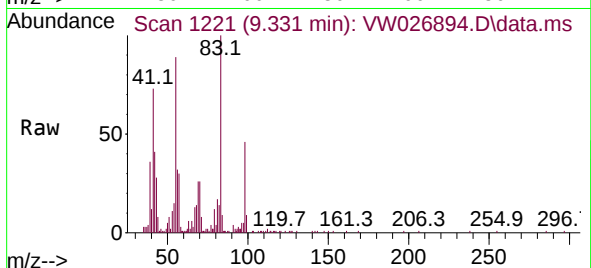
Tgt Ion: 83 Resp: 14684

Ion Ratio Lower Upper

83 100

55 123.2 69.3 103.9#

98 52.3 37.4 56.0



#37

1,2-Dichloropropane

Concen: 3.723 ug/L

RT: 9.276 min Scan# 1212

Delta R.T. -0.091 min

Lab File: VW026894.D

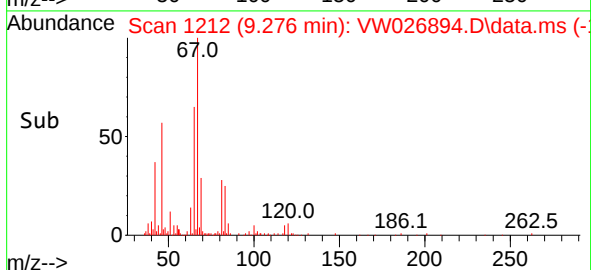
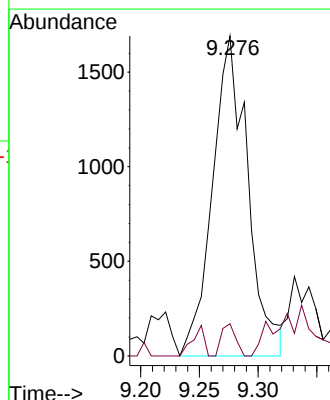
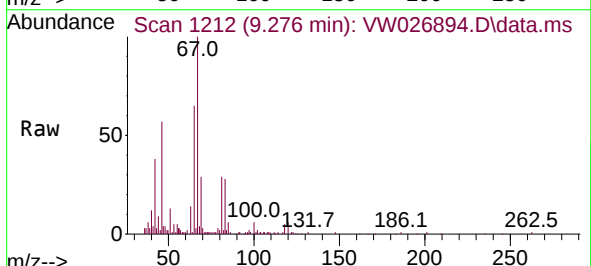
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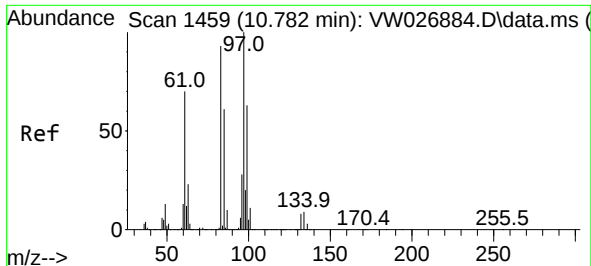
Tgt Ion: 63 Resp: 3521

Ion Ratio Lower Upper

63 100

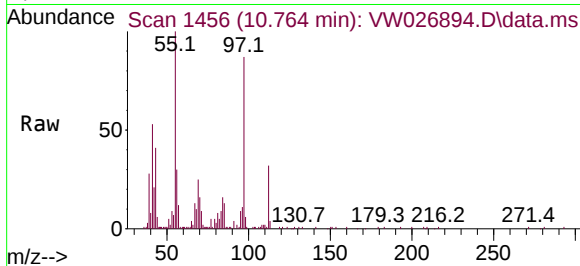
112 4.1 3.1 4.7



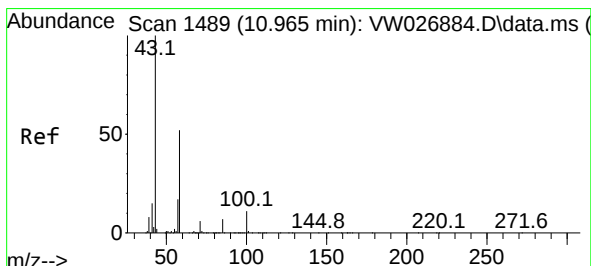
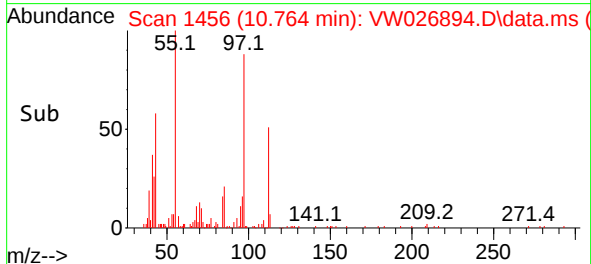
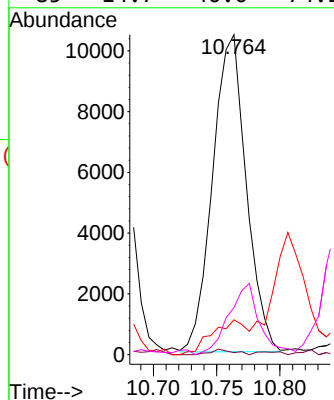


#45
1,1,2-Trichloroethane
Concen: 29.845 ug/L
RT: 10.764 min Scan# 1456
Delta R.T. -0.018 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

Instrument :
MSVOA_W
ClientSampleId :

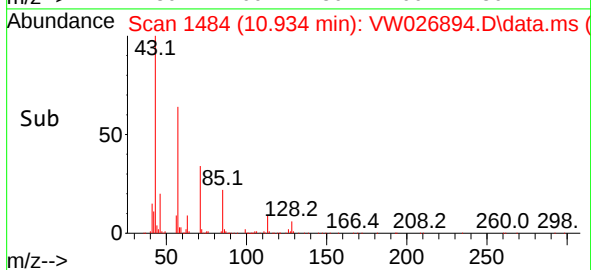
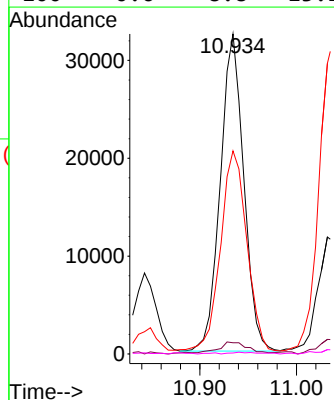
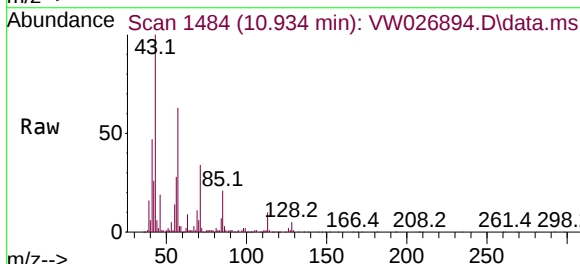


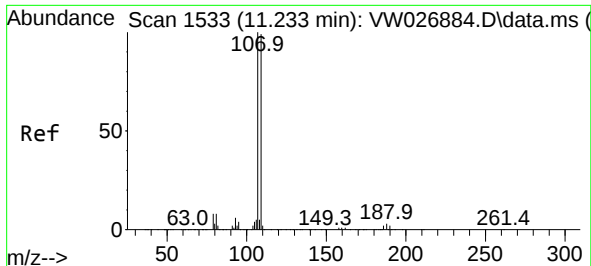
Tgt Ion: 97 Resp: 19304
Ion Ratio Lower Upper
97 100
99 0.7 44.2 82.0#
83 10.9 61.9 114.9#
85 14.7 40.0 74.2#



#48
2-Hexanone
Concen: 130.210 ug/L
RT: 10.934 min Scan# 1484
Delta R.T. -0.031 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

Tgt Ion: 43 Resp: 54505
Ion Ratio Lower Upper
43 100
58 3.7 41.1 61.7#
57 70.5 14.3 21.5#
100 0.6 8.8 13.2#

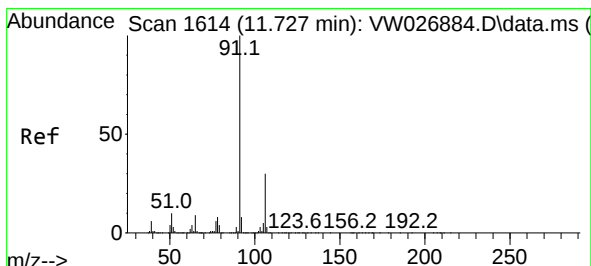
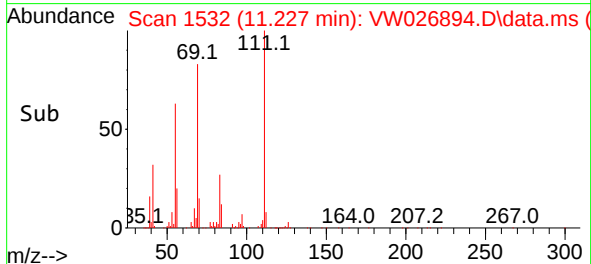
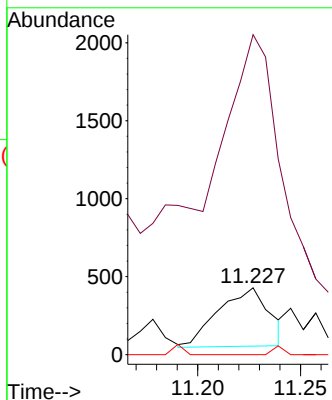
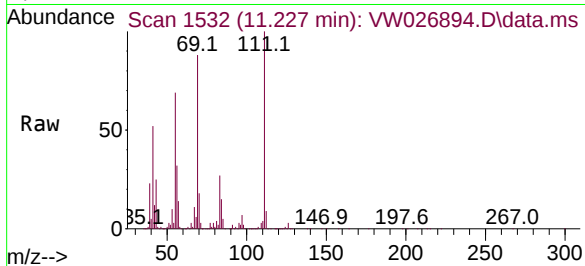




#50
1,2-Dibromoethane
Concen: 1.059 ug/L
RT: 11.227 min Scan# 1532
Delta R.T. -0.006 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

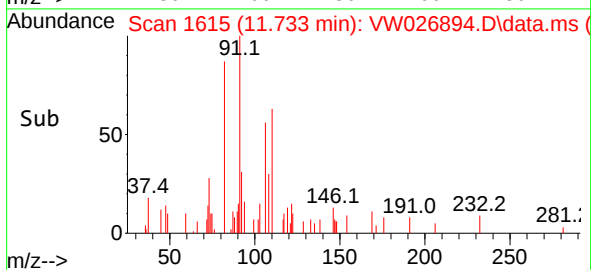
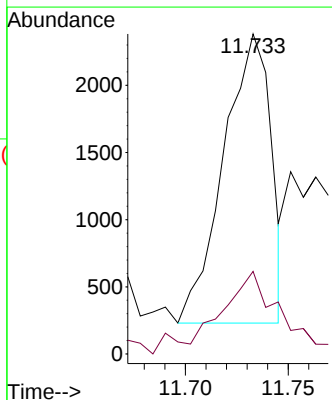
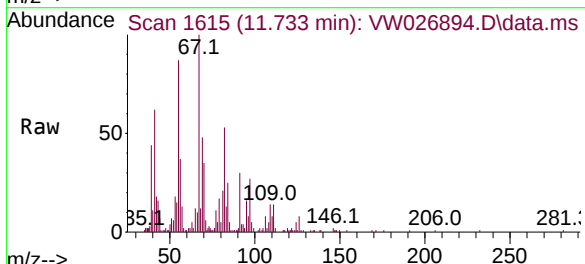
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ClientSampleId :

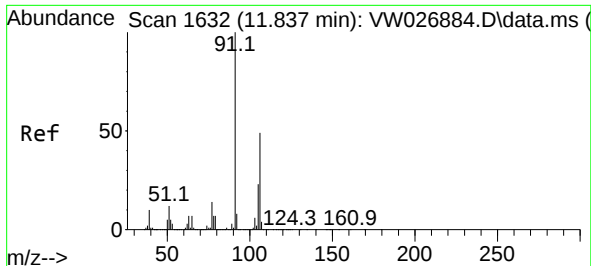
Tgt Ion:107 Resp: 643
Ion Ratio Lower Upper
107 100
109 478.3 68.8 127.8#
188 0.0 2.7 4.1#



#52
Ethylbenzene
Concen: 0.887 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

Tgt Ion: 91 Resp: 3475
Ion Ratio Lower Upper
91 100
106 25.8 20.2 37.6

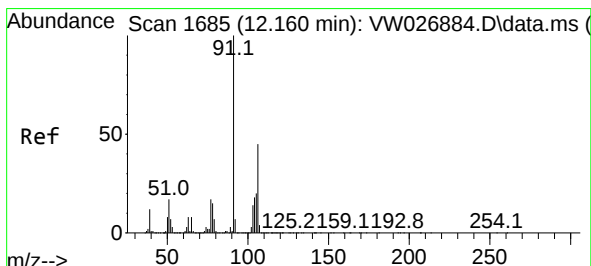
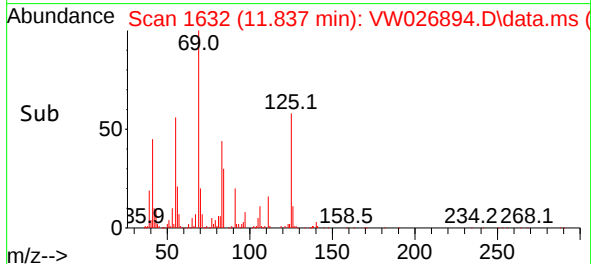
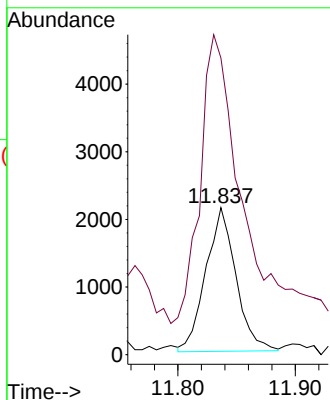
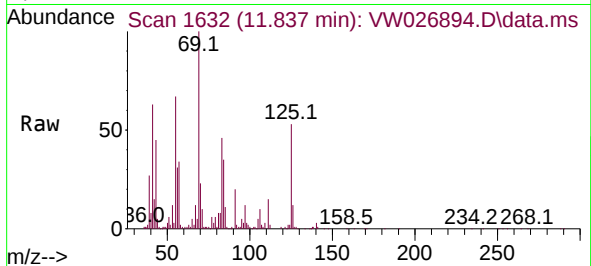




#53
m,p-Xylene
Concen: 2.617 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

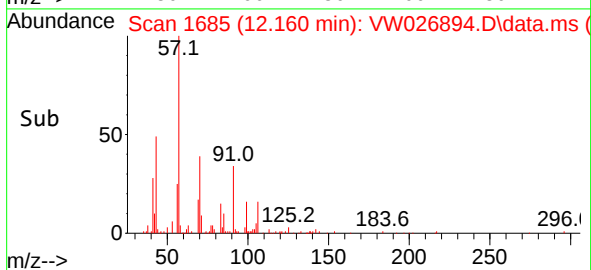
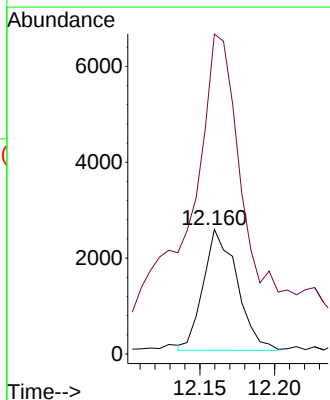
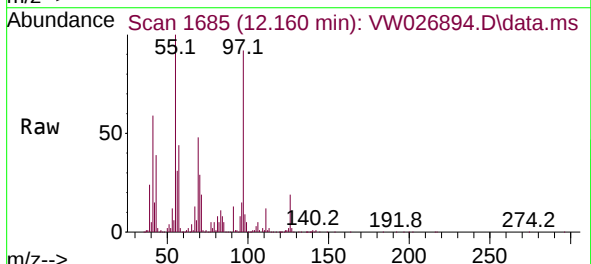
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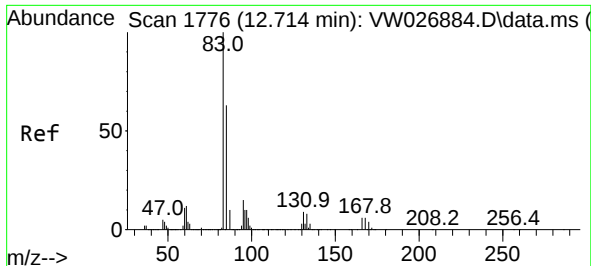
Tgt Ion:106 Resp: 3798
Ion Ratio Lower Upper
106 100
91 201.6 152.9 284.1



#54
o-Xylene
Concen: 2.930 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

Tgt Ion:106 Resp: 3968
Ion Ratio Lower Upper
106 100
91 256.8 149.9 278.3





#57

1,1,2,2-Tetrachloroethane

Concen: 60.898 ug/L

RT: 12.684 min Scan# 1

Delta R.T. -0.031 min

Lab File: VW026894.D

Acq: 25 Aug 2023 14:42

Instrument :

MSVOA_W

ClientSampleId :

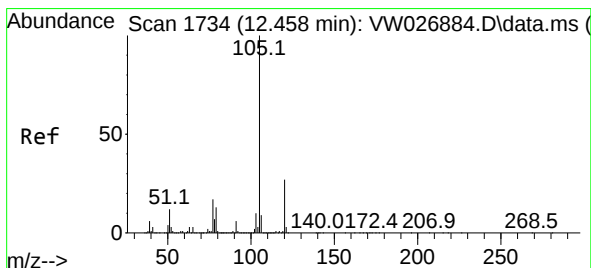
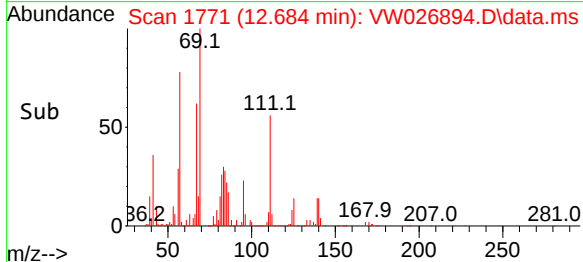
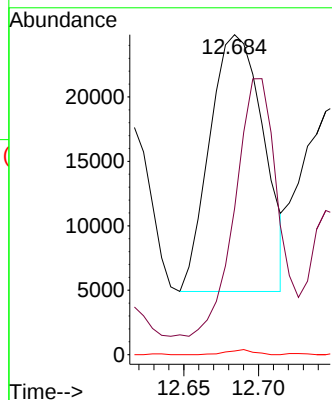
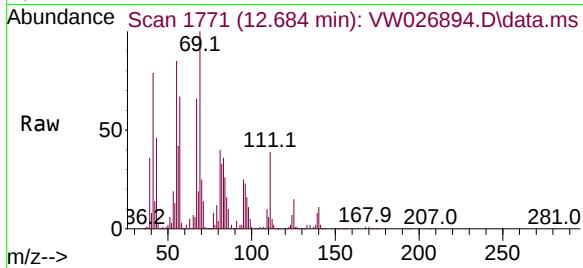
Tgt Ion: 83 Resp: 49884

Ion Ratio Lower Upper

83 100

85 45.7 44.9 83.3

131 1.1 7.4 11.0#



#60

Isopropylbenzene

Concen: 3.890 ug/L

RT: 13.099 min Scan# 1839

Delta R.T. 0.640 min

Lab File: VW026894.D

Acq: 25 Aug 2023 14:42

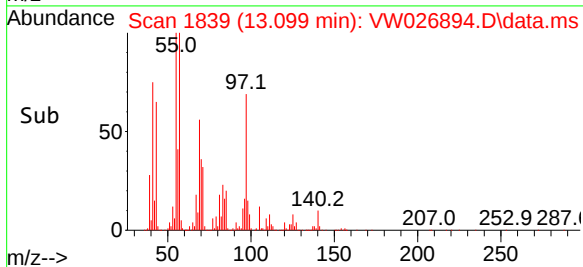
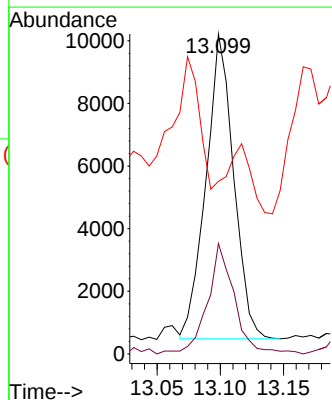
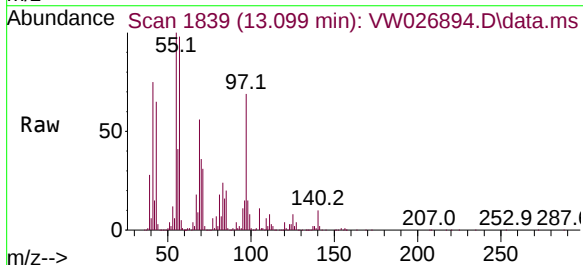
Tgt Ion: 105 Resp: 14789

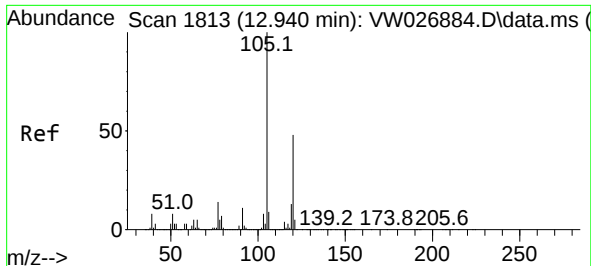
Ion Ratio Lower Upper

105 100

120 31.3 21.0 31.6

77 15.1 13.4 20.2





#62

1,3,5-Trimethylbenzene

Concen: 1.576 ug/L

RT: 12.946 min Scan# 1814

Delta R.T. 0.006 min

Lab File: VW026894.D

Acq: 25 Aug 2023 14:42

Instrument :

MSVOA_W

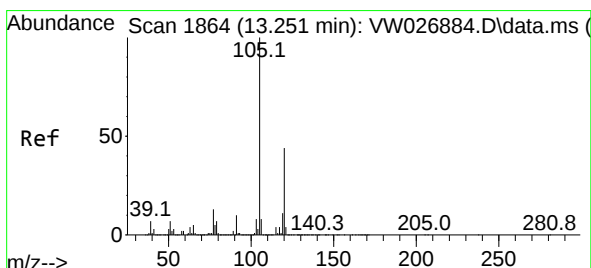
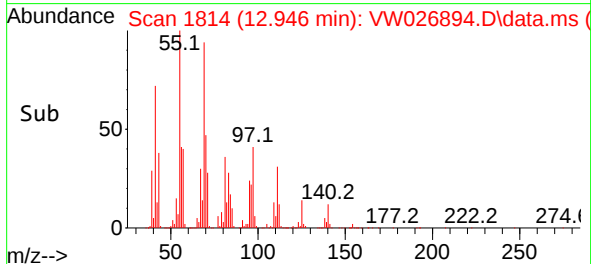
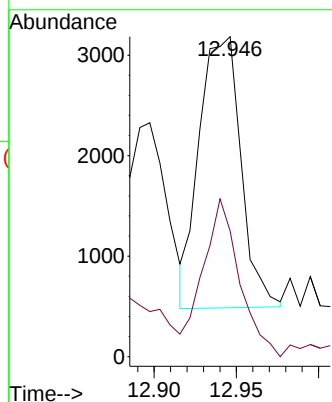
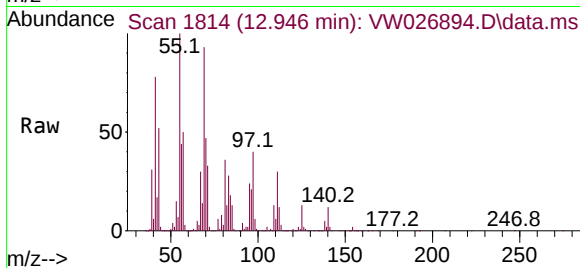
ClientSampleId :

Tgt Ion:105 Resp: 4736

Ion Ratio Lower Upper

105 100

120 50.9 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 3.600 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.006 min

Lab File: VW026894.D

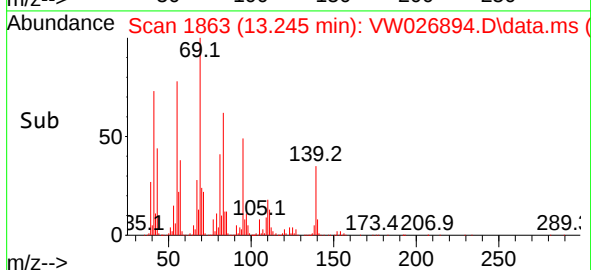
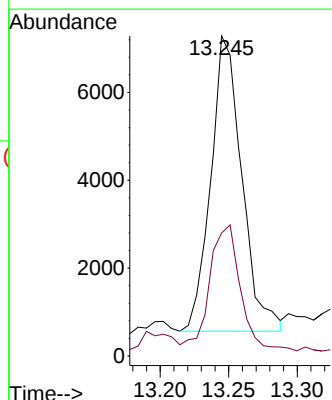
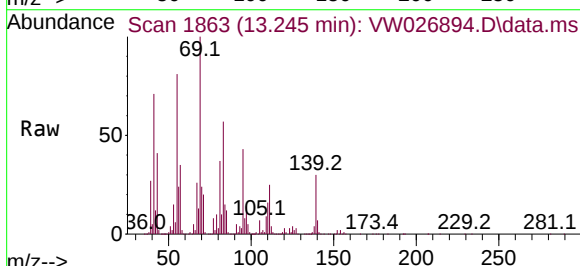
Acq: 25 Aug 2023 14:42

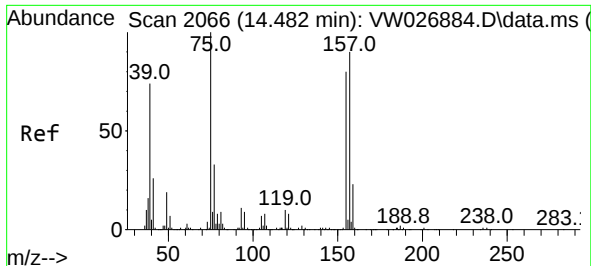
Tgt Ion:105 Resp: 10603

Ion Ratio Lower Upper

105 100

120 38.2 36.2 54.4

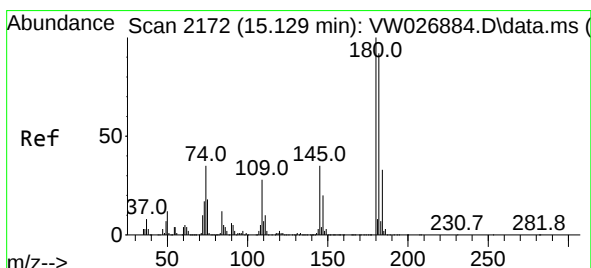
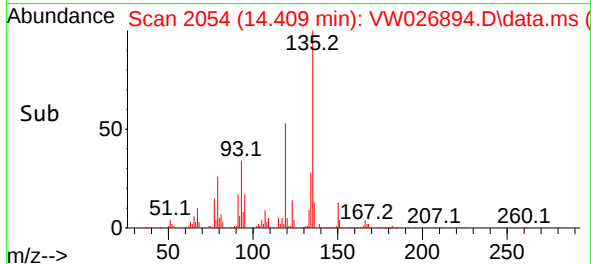
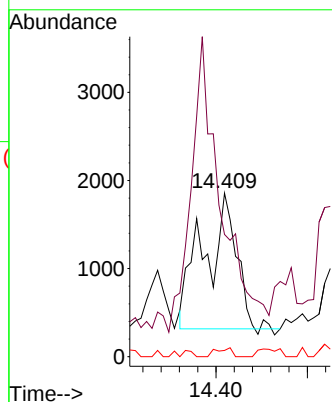
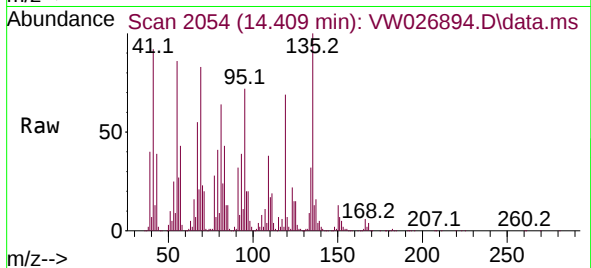




#68
1,2-Dibromo-3-chloropropane
Concen: 25.524 ug/L
RT: 14.409 min Scan# 2066
Delta R.T. -0.073 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

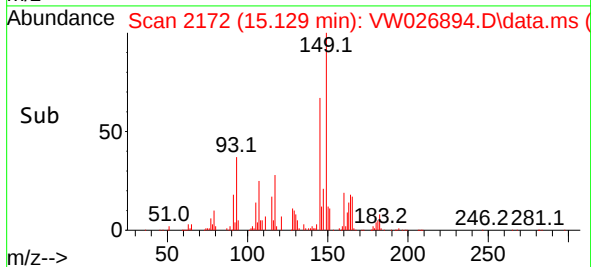
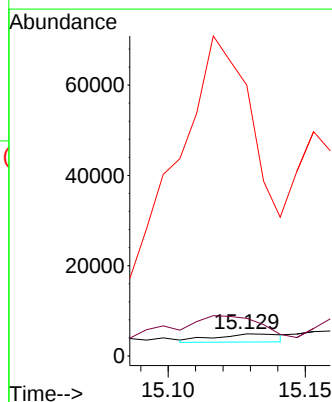
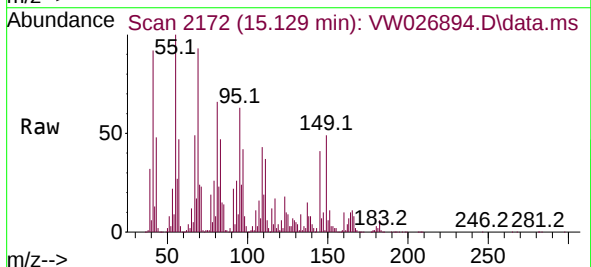
Instrument :
MSVOA_W
ClientSampleId :

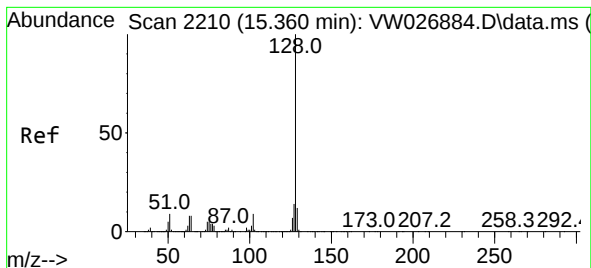
Tgt Ion: 75 Resp: 3817
Ion Ratio Lower Upper
75 100
155 74.7 55.0 82.6
157 3.8 77.8 116.6#



#70
1,2,4-trichlorobenzene
Concen: 3.255 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW026894.D
Acq: 25 Aug 2023 14:42

Tgt Ion:180 Resp: 3083
Ion Ratio Lower Upper
180 100
182 247.2 72.5 108.7#
145 4614.5 24.7 37.1#





#71

Naphthalene

Concen: 0.816 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026894.D

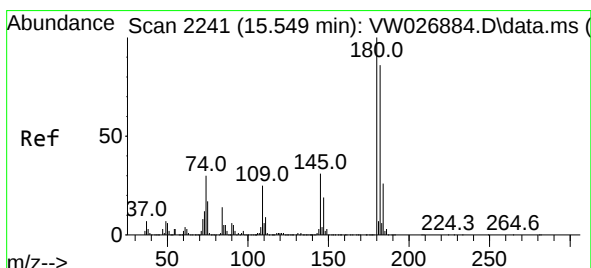
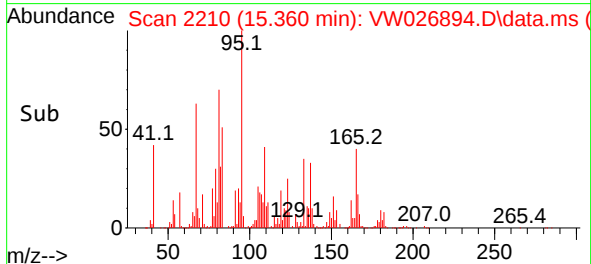
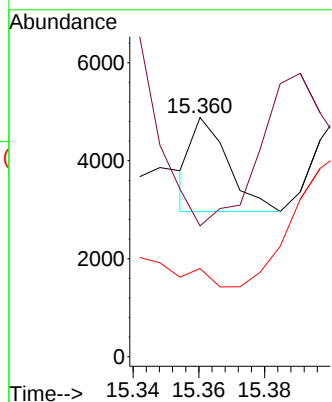
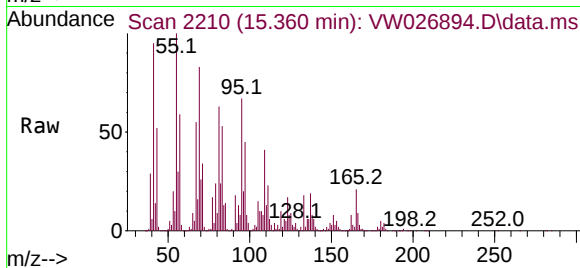
Acq: 25 Aug 2023 14:42

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	128	Resp:	1474
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.7	16.1#
129	0.0	9.0	13.4#



#72

1,2,3-Trichlorobenzene

Concen: 14.503 ug/L

RT: 15.568 min Scan# 2244

Delta R.T. 0.018 min

Lab File: VW026894.D

Acq: 25 Aug 2023 14:42

Tgt Ion:	180	Resp:	12390
Ion Ratio	Lower	Upper	
180	100		
182	6.1	74.6	112.0#
145	0.0	27.0	40.6#

