

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026789.D
 Acq On : 21 Aug 2023 14:04
 Operator : SY/MD
 Sample : 04037-13RE
 Misc : 5.82g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 22 01:33:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Aug 22 01:31:05 2023
 Response via : Initial Calibration

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

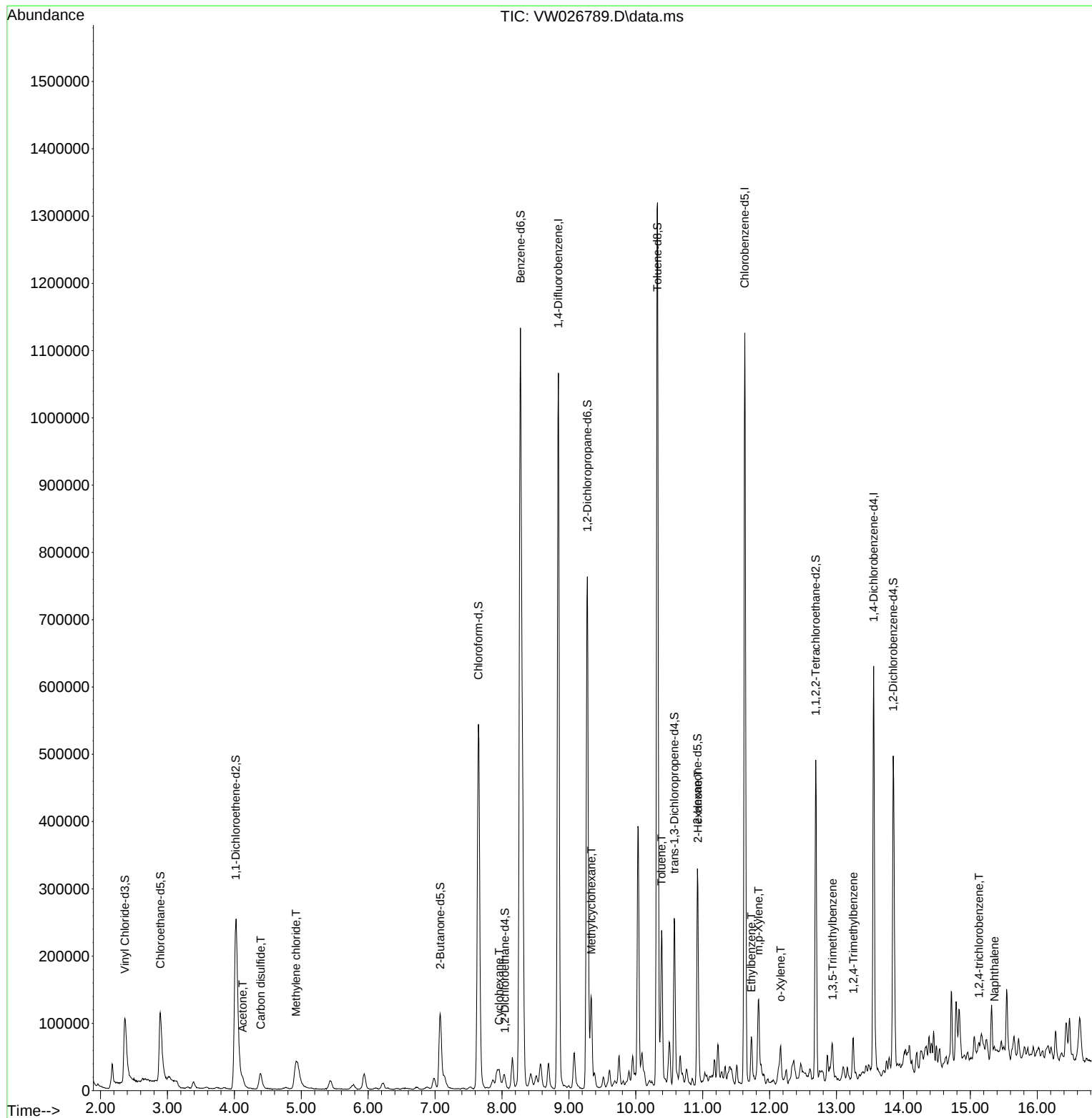
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	862300	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	608847	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	149844	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	193769	13.669	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.680%
7) Chloroethane-d5	2.893	69	175617	16.661	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.640%
11) 1,1-Dichloroethene-d2	4.021	65	112235	16.098	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.400%
21) 2-Butanone-d5	7.075	46	199282	48.913	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.820%
24) Chloroform-d	7.648	84	555979	19.211	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	76.840%
26) 1,2-Dichloroethane-d4	8.045	65	175	0.011	ug/L	-0.26
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.040%#
32) Benzene-d6	8.276	84	1141349	27.200	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.800%
36) 1,2-Dichloropropane-d6	9.276	67	366831	28.065	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.280%
41) Toluene-d8	10.325	98	825192	22.909	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.640%
43) trans-1,3-Dichloroprop...	10.575	79	139555	25.860	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.440%
47) 2-Hexanone-d5	10.922	63	107430	78.221	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	156.440%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	242939	23.536	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.160%
66) 1,2-Dichlorobenzene-d4	13.848	152	120224	22.416	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.680%
Target Compounds						Qvalue
13) Acetone	4.125	43	15183	3.748	ug/L	97
14) Carbon disulfide	4.393	76	52293	1.140	ug/L	98
16) Methylene chloride	4.923	84	40376	2.421	ug/L	94
29) Cyclohexane	7.959	56	17454	0.927	ug/L #	89
35) Methylcyclohexane	9.337	83	44821	2.320	ug/L #	80
42) Toluene	10.386	91	165852	3.698	ug/L	98
48) 2-Hexanone	10.928	43	23354	4.345	ug/L #	55
52) Ethylbenzene	11.727	91	41517	0.825	ug/L	95
53) m,p-Xylene	11.837	106	33184	1.781	ug/L	81
54) o-Xylene	12.166	106	13880	0.798	ug/L	92
62) 1,3,5-Trimethylbenzene	12.940	105	17684	1.004	ug/L	100
63) 1,2,4-Trimethylbenzene	13.251	105	35658	2.066	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	5863	1.056	ug/L #	68
71) Naphthalene	15.360	128	16127	1.523	ug/L	97

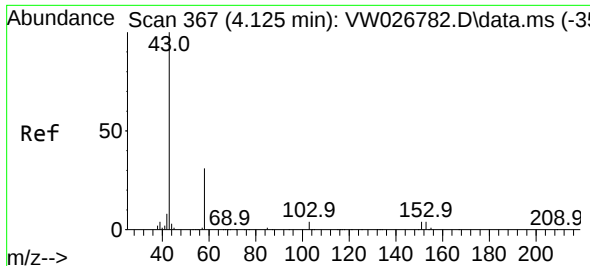
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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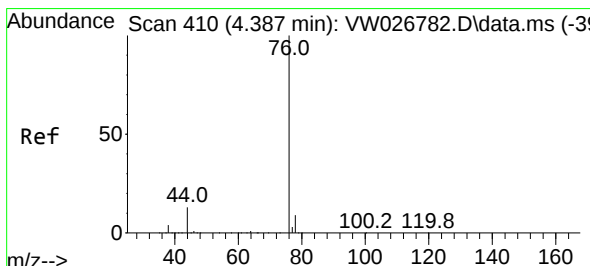
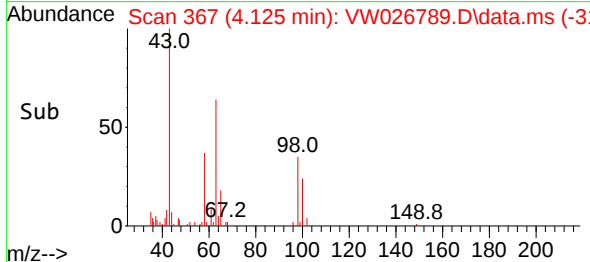
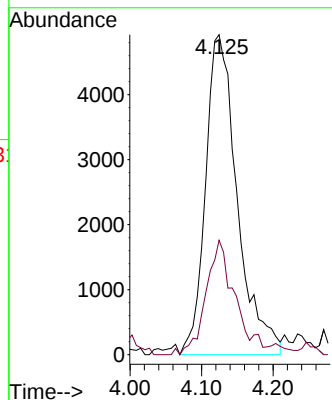
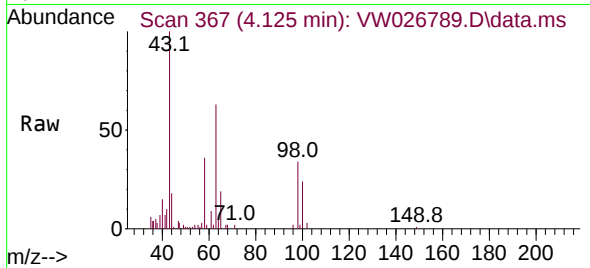




#13
Acetone
Concen: 3.748 ug/L
RT: 4.125 min Scan# 30
Delta R.T. -0.000 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

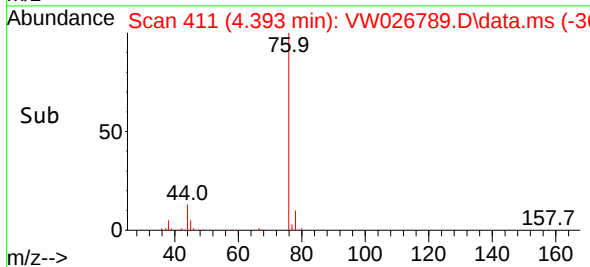
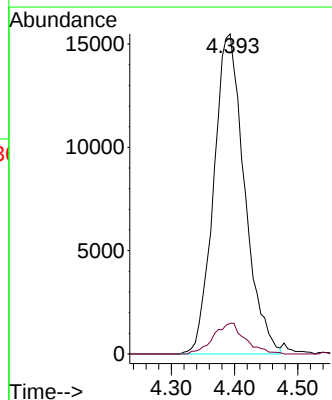
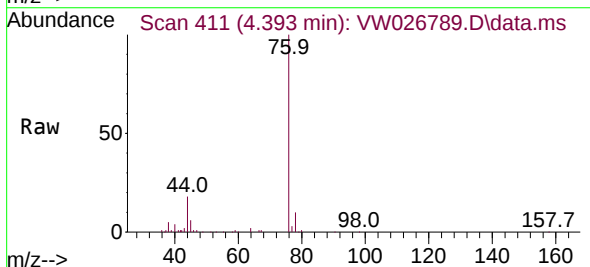
Instrument :
MSVOA_W
ClientSampleId :

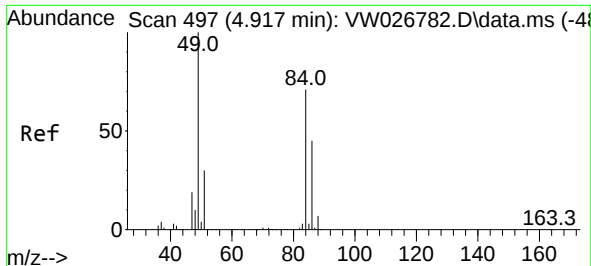
Tgt Ion: 43 Resp: 15183
Ion Ratio Lower Upper
43 100
58 30.3 0.0 57.4



#14
Carbon disulfide
Concen: 1.140 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

Tgt Ion: 76 Resp: 52293
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7

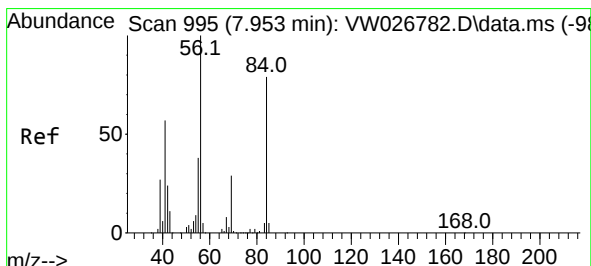
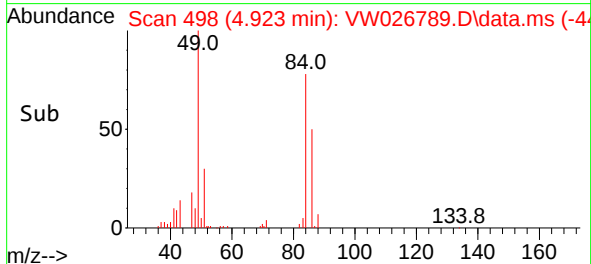
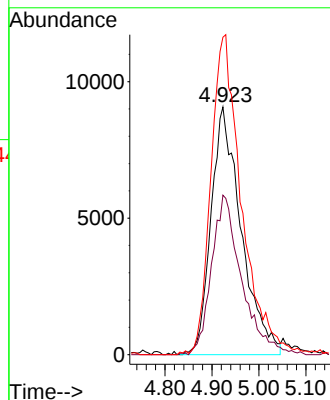
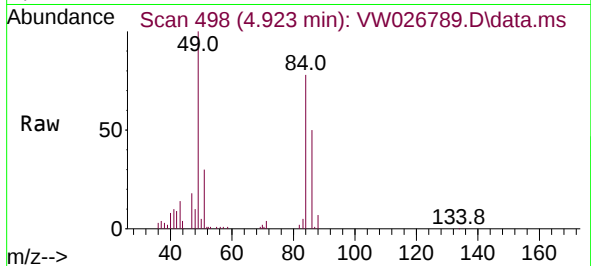




#16
Methylene chloride
Concen: 2.421 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

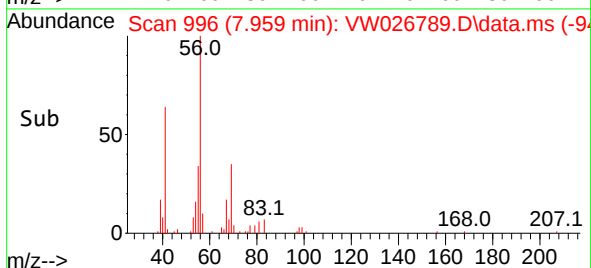
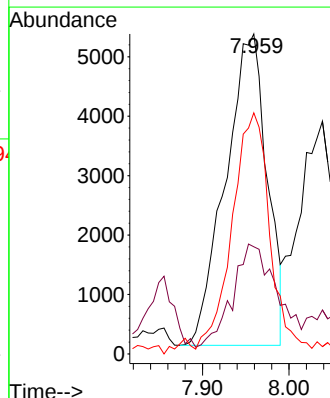
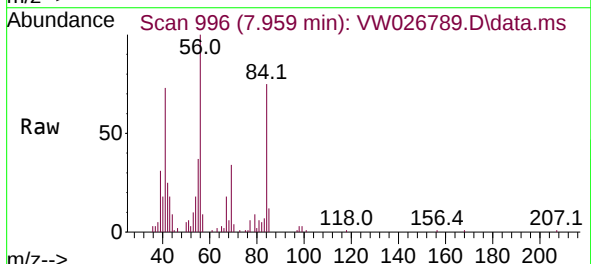
Instrument :
MSVOA_W
ClientSampleId :

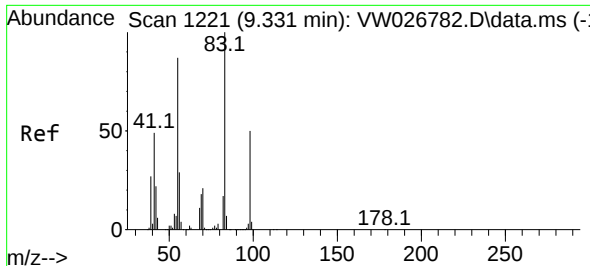
Tgt Ion: 84 Resp: 40376
Ion Ratio Lower Upper
84 100
86 64.4 43.5 80.9
49 128.2 96.0 178.2



#29
Cyclohexane
Concen: 0.927 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

Tgt Ion: 56 Resp: 17454
Ion Ratio Lower Upper
56 100
69 22.5 23.2 34.8#
84 69.3 62.7 94.1

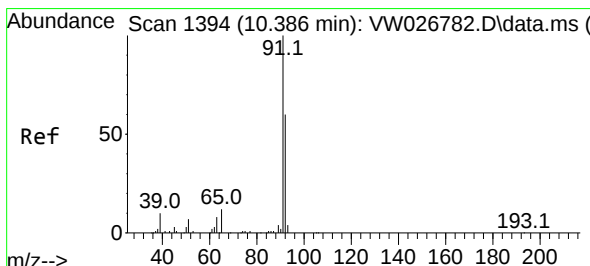
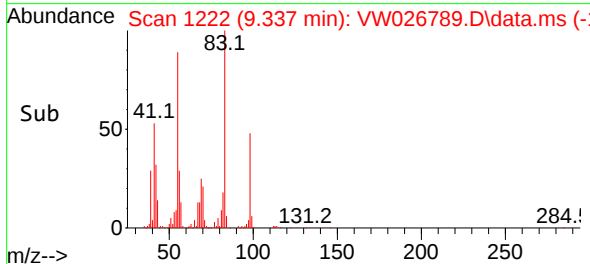
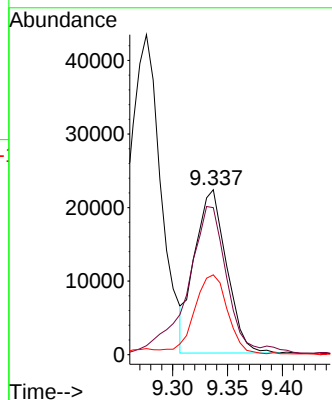
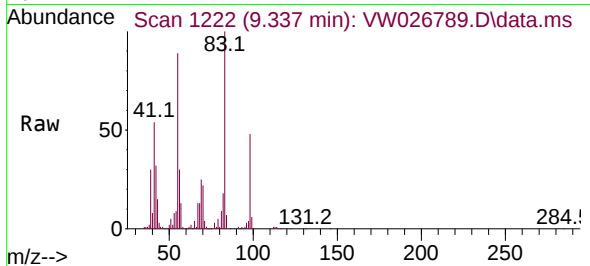




#35
Methylcyclohexane
Concen: 2.320 ug/L
RT: 9.337 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

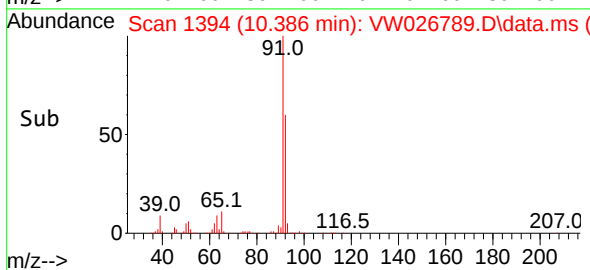
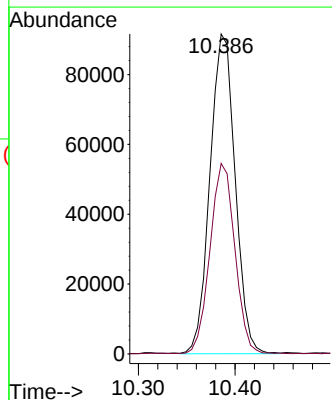
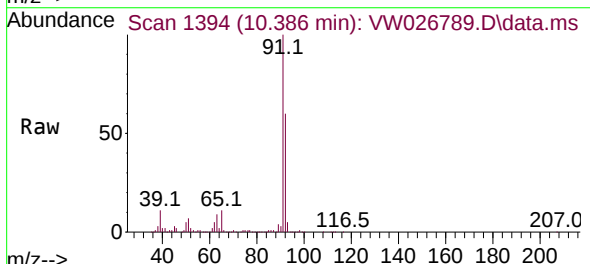
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ClientSampleId :

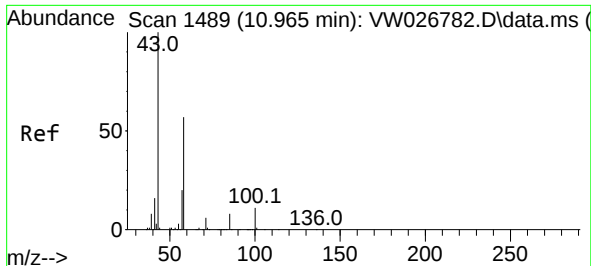
Tgt Ion: 83 Resp: 44821
Ion Ratio Lower Upper
83 100
55 111.9 69.3 103.9#
98 50.6 37.4 56.0



#42
Toluene
Concen: 3.698 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

Tgt Ion: 91 Resp: 165852
Ion Ratio Lower Upper
91 100
92 59.5 40.8 75.8





#48

2-Hexanone

Concen: 4.345 ug/L

RT: 10.928 min Scan# 1483

Delta R.T. -0.037 min

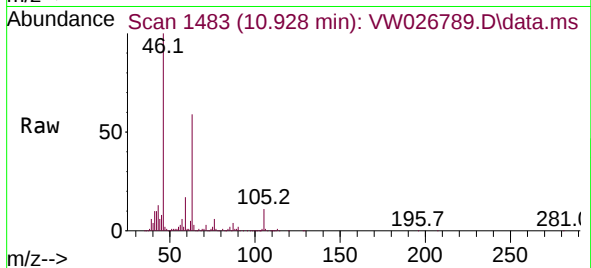
Lab File: VW026789.D

Acq: 21 Aug 2023 14:04

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 23354

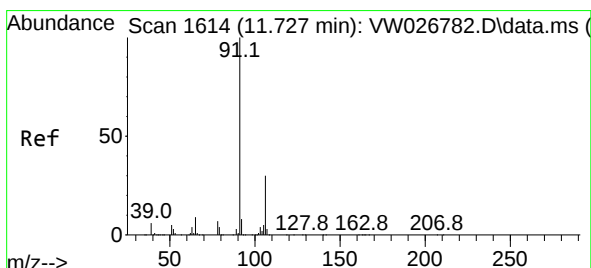
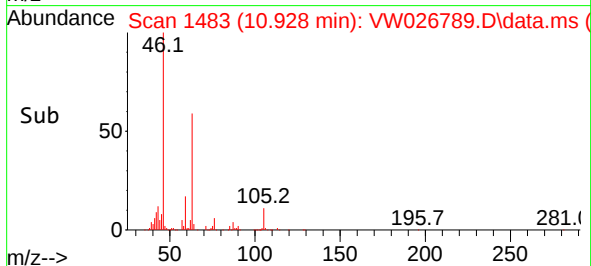
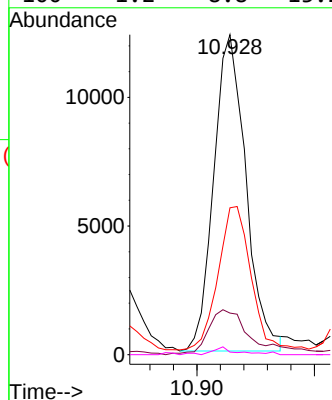
Ion Ratio Lower Upper

43 100

58 16.5 41.1 61.7#

57 0.0 14.3 21.5#

100 1.2 8.8 13.2#



#52

Ethylbenzene

Concen: 0.825 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW026789.D

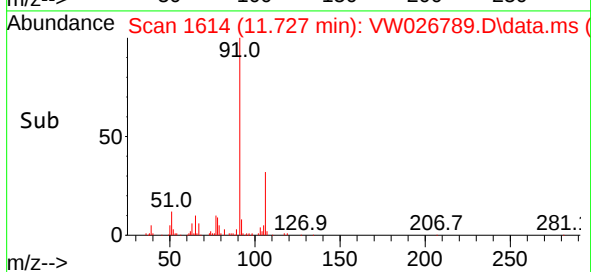
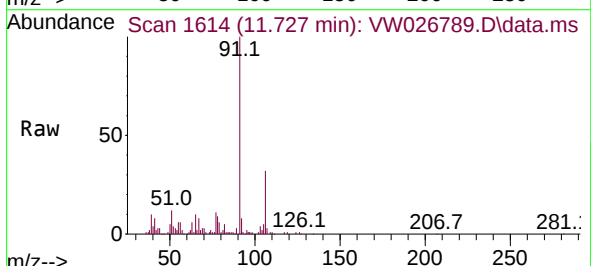
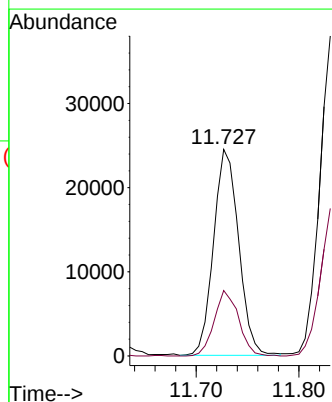
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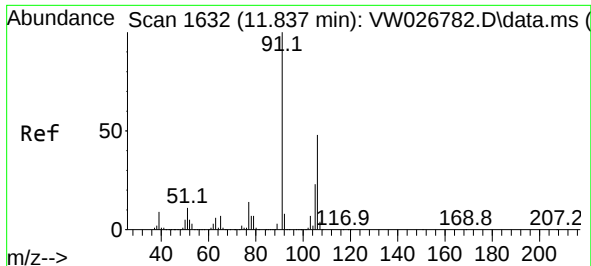
Tgt Ion: 91 Resp: 41517

Ion Ratio Lower Upper

91 100

106 31.7 20.2 37.6

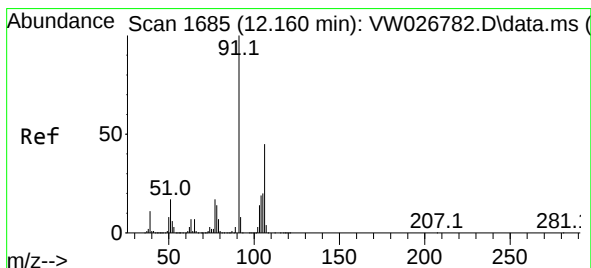
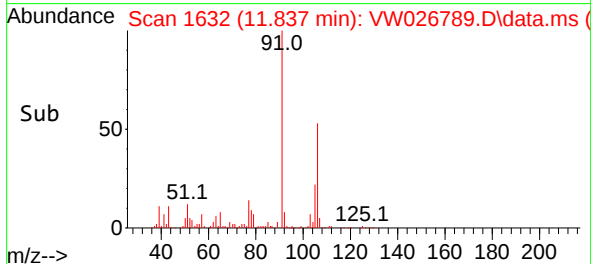
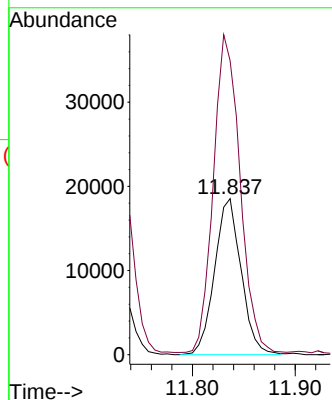
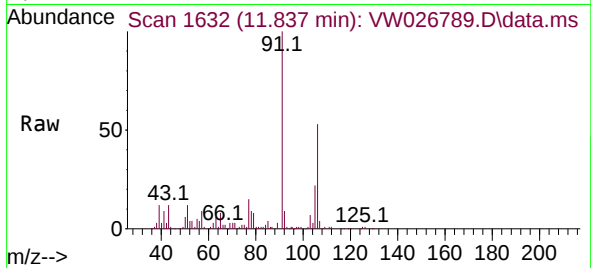




#53
m,p-Xylene
Concen: 1.781 ug/L
RT: 11.837 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

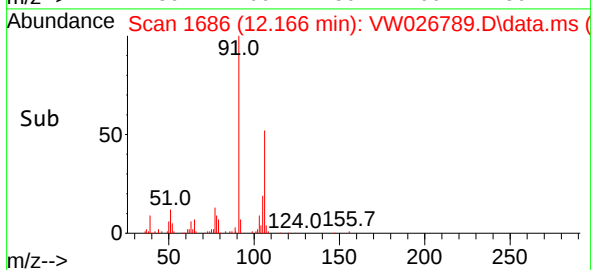
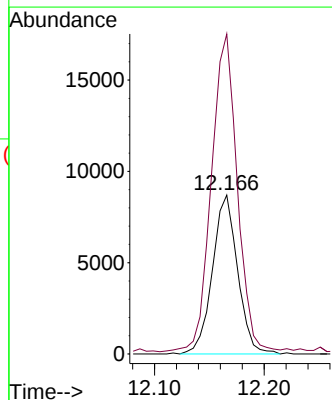
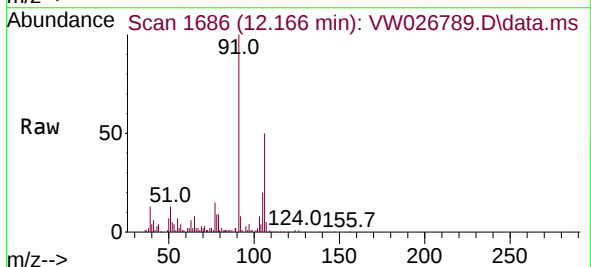
Instrument :
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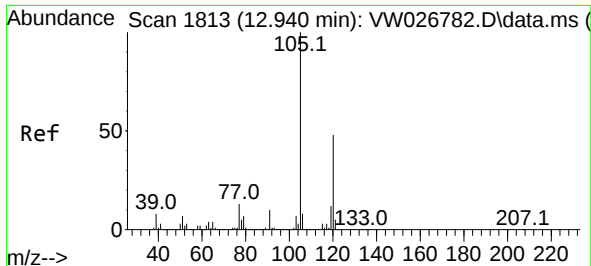
Tgt Ion:106 Resp: 33184
Ion Ratio Lower Upper
106 100
91 188.4 152.9 284.1



#54
o-Xylene
Concen: 0.798 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW026789.D
Acq: 21 Aug 2023 14:04

Tgt Ion:106 Resp: 13880
Ion Ratio Lower Upper
106 100
91 201.4 149.9 278.3





#62

1,3,5-Trimethylbenzene

Concen: 1.004 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026789.D

Acq: 21 Aug 2023 14:04

Instrument :

MSVOA_W

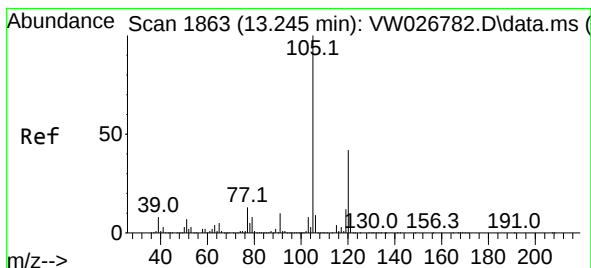
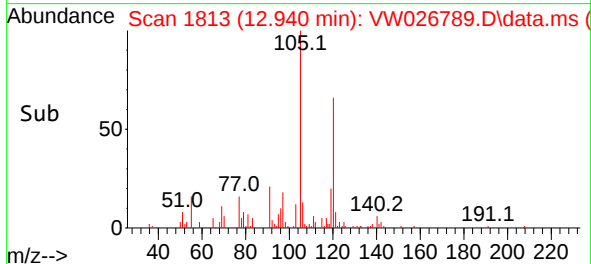
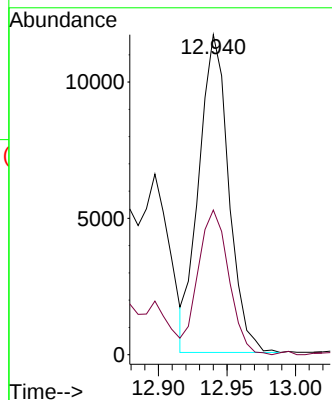
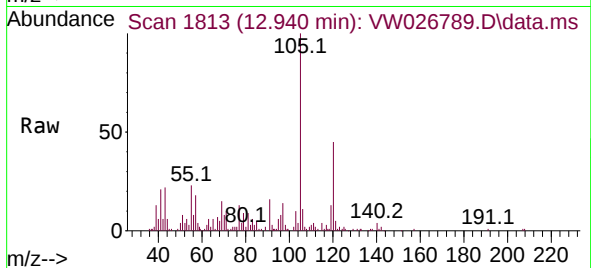
ClientSampleId :

Tgt Ion:105 Resp: 17684

Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 2.066 ug/L

RT: 13.251 min Scan# 1864

Delta R.T. 0.006 min

Lab File: VW026789.D

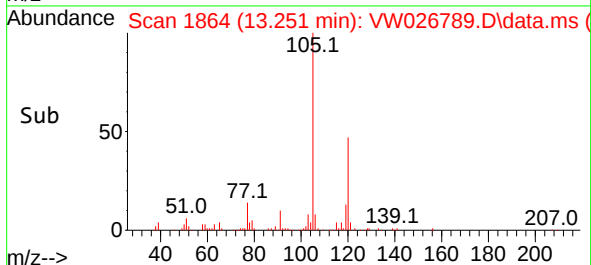
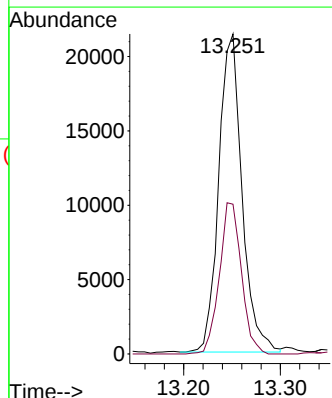
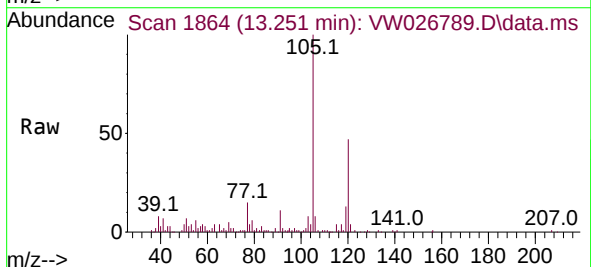
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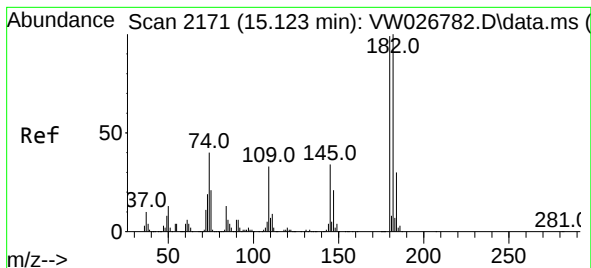
Tgt Ion:105 Resp: 35658

Ion Ratio Lower Upper

105 100

120 44.9 36.2 54.4





#70

1,2,4-trichlorobenzene

Concen: 1.056 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW026789.D

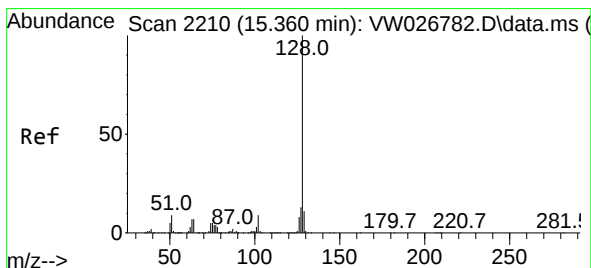
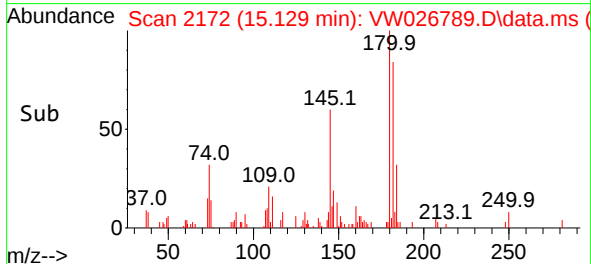
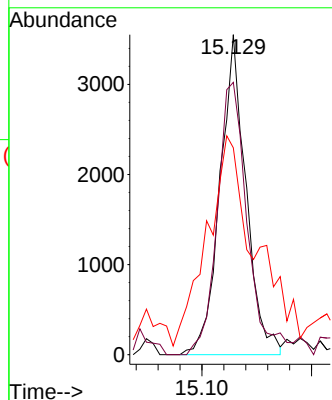
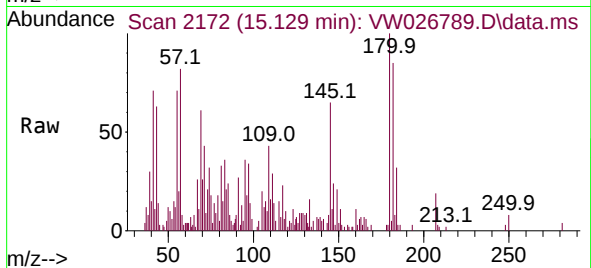
Acq: 21 Aug 2023 14:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	180	Resp:	5863
Ion Ratio	Lower	Upper	
180	100		
182	95.0	72.5	108.7
145	92.5	24.7	37.1#



#71

Naphthalene

Concen: 1.523 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW026789.D

Acq: 21 Aug 2023 14:04

Tgt Ion:	128	Resp:	16127
Ion Ratio	Lower	Upper	
128	100		
127	14.8	10.7	16.1
129	10.0	9.0	13.4

