

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121823\
 Data File : VW027732.D
 Acq On : 18 Dec 2023 15:55
 Operator : SY/MD
 Sample : 05794-08
 Misc : 4.31g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 22:14:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sun Dec 17 01:25:09 2023
 Response via : Initial Calibration

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

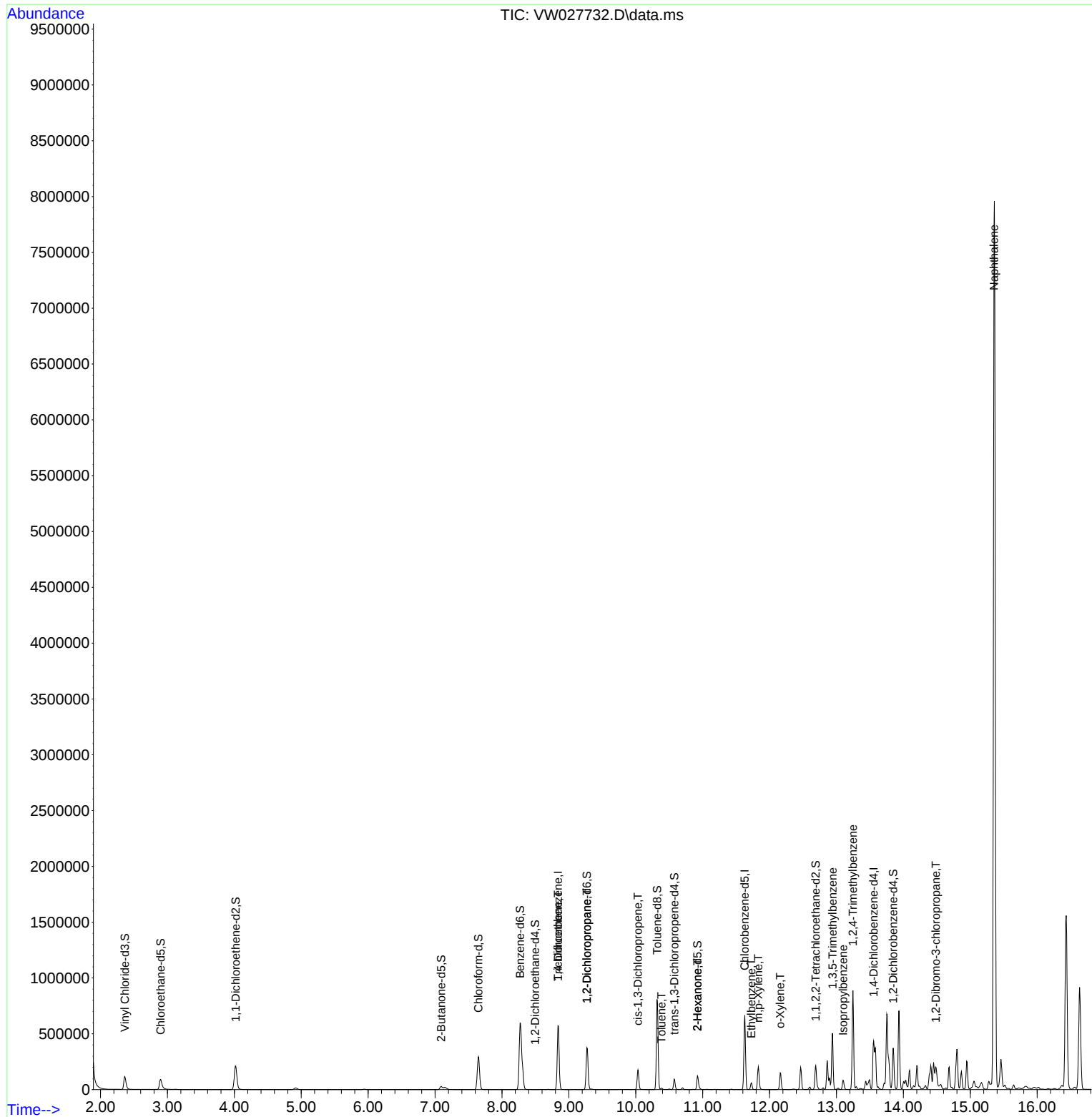
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	533710	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	395904	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	116004	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	174720	23.115	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.480%
7) Chloroethane-d5	2.899	69	144481	24.550	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	4.021	65	67514	22.303	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.200%
21) 2-Butanone-d5	7.094	46	48071	37.348	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.700%
24) Chloroform-d	7.648	84	313641	24.696	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	8.496	65	46	0.008	ug/L	0.20
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.040%#
32) Benzene-d6	8.270	84	669158	28.920	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.680%
36) 1,2-Dichloropropane-d6	9.270	67	190441	29.052	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.200%
41) Toluene-d8	10.319	98	566659	26.396	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.600%
43) trans-1,3-Dichloroprop...	10.575	79	55586	21.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.600%
47) 2-Hexanone-d5	10.922	63	43700	45.746	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.500%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	110285	22.247	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	13.849	152	104930	25.269	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.080%
Target Compounds						Qvalue
34) Trichloroethene	8.837	95	14815	2.368	ug/L #	3
37) 1,2-Dichloropropane	9.270	63	19698	3.556	ug/L #	86
39) cis-1,3-Dichloropropene	10.032	75	4085	0.484	ug/L #	64
42) Toluene	10.386	91	9855	0.399	ug/L	97
48) 2-Hexanone	10.922	43	4737	2.628	ug/L #	70
52) Ethylbenzene	11.727	91	43445	1.561	ug/L	92
53) m,p-Xylene	11.831	106	62825	5.878	ug/L	91
54) o-Xylene	12.160	106	43308	4.351	ug/L	98
60) Isopropylbenzene	13.099	105	52157	3.186	ug/L	93
62) 1,3,5-Trimethylbenzene	12.940	105	278158	21.253	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	490785	38.095	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.483	75	5904	15.286	ug/L #	3
71) Naphthalene	15.354	128	7130208	995.302	ug/L	97

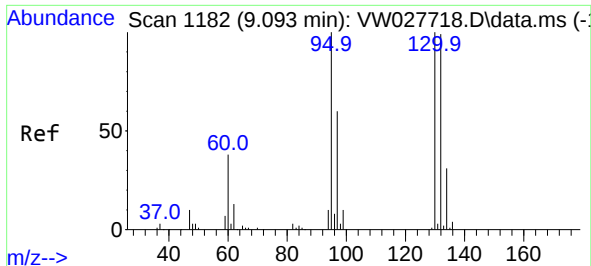
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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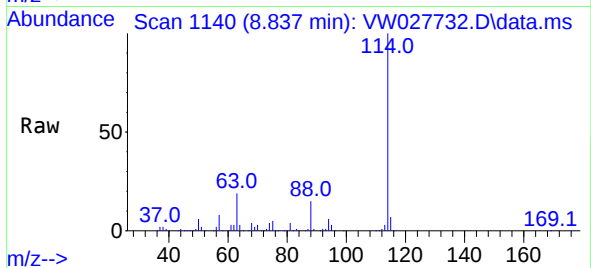
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM121523SMA.M
Quant Title : SFAM01.0
QLast Update : Sun Dec 17 01:25:09 2023
Response via : Initial Calibration



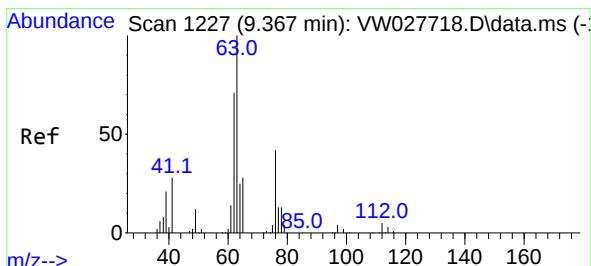
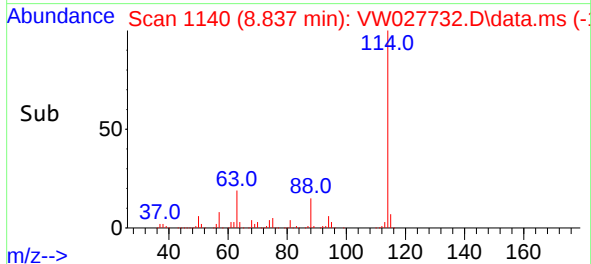
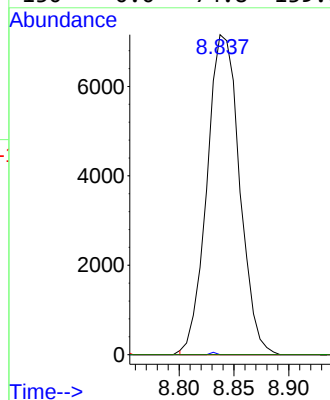


#34
Trichloroethene
Concen: 2.368 ug/L
RT: 8.837 min Scan# 1111
Delta R.T. -0.250 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

Instrument :
MSVOA_W
ClientSampleId :

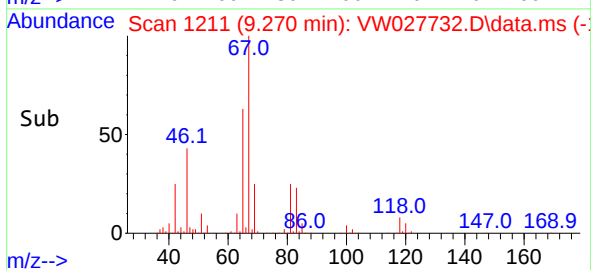
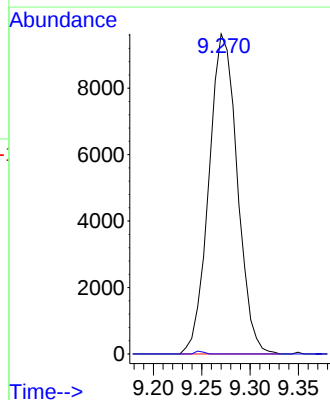
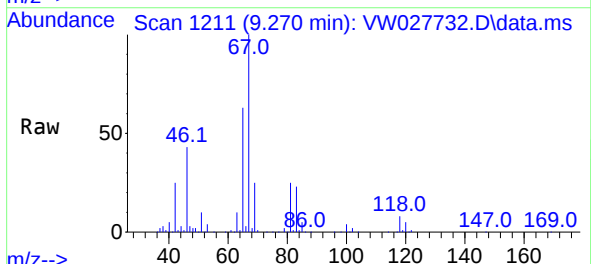


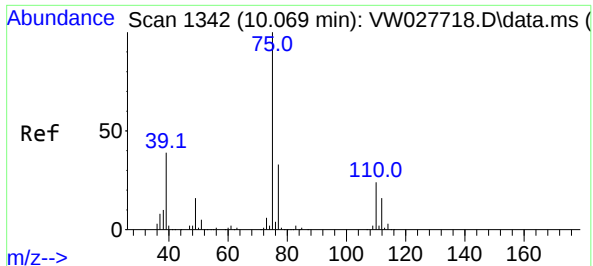
Tgt Ion: 95 Resp: 14815
Ion Ratio Lower Upper
95 100
97 0.0 45.9 85.3#
132 0.0 70.4 130.8#
130 0.0 74.8 139.0#



#37
1,2-Dichloropropane
Concen: 3.556 ug/L
RT: 9.270 min Scan# 1211
Delta R.T. -0.098 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

Tgt Ion: 63 Resp: 19698
Ion Ratio Lower Upper
63 100
112 0.3 3.8 5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.484 ug/L

RT: 10.032 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW027732.D

Acq: 18 Dec 2023 15:55

Instrument :

MSVOA_W

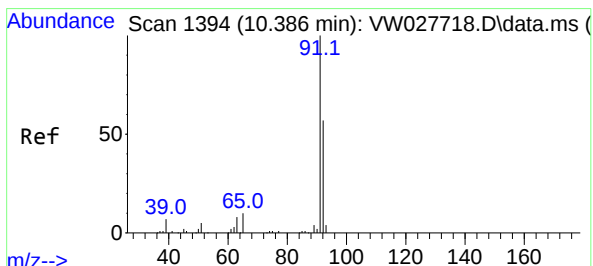
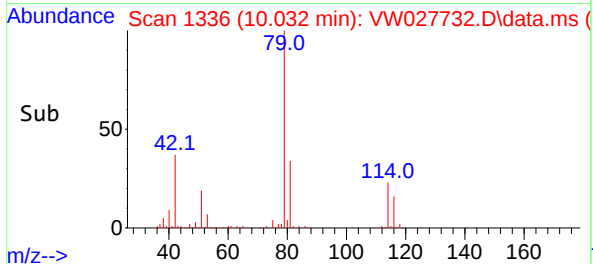
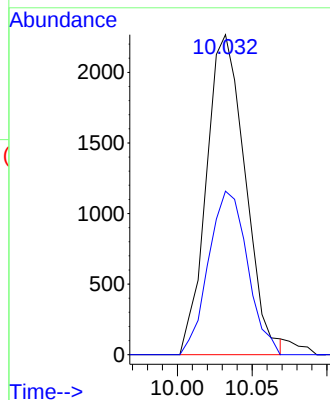
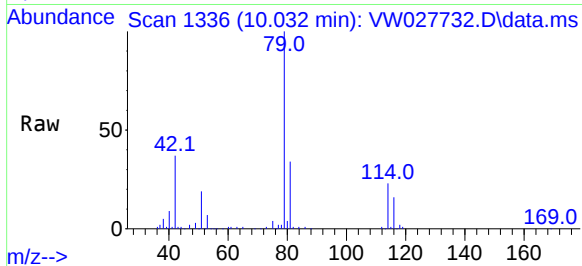
ClientSampleId :

Tgt Ion: 75 Resp: 4085

Ion Ratio Lower Upper

75 100

77 51.1 21.8 40.6#



#42

Toluene

Concen: 0.399 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW027732.D

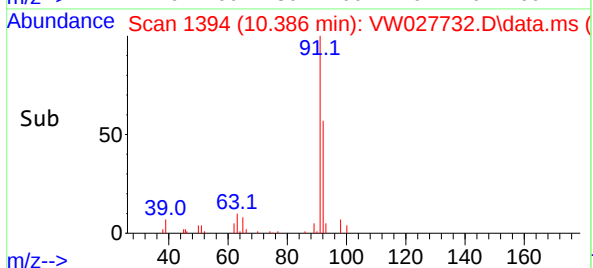
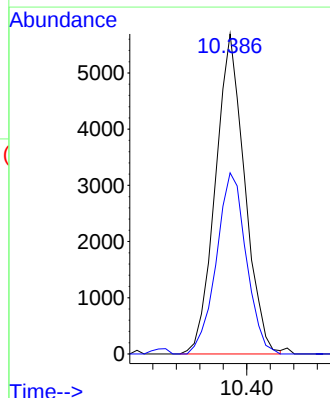
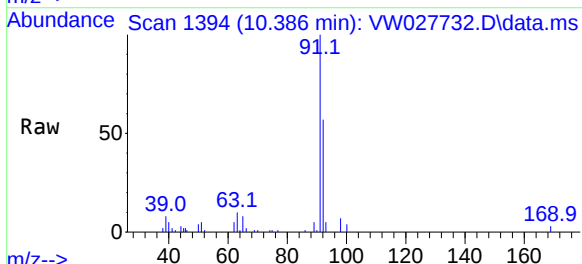
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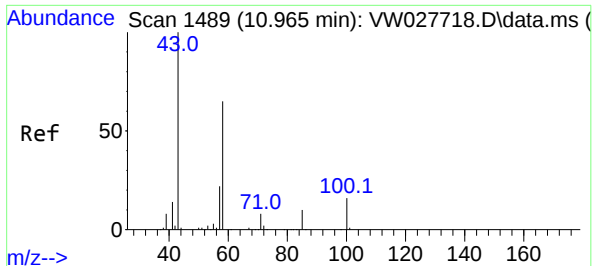
Tgt Ion: 91 Resp: 9855

Ion Ratio Lower Upper

91 100

92 56.6 41.2 76.4





#48

2-Hexanone

Concen: 2.628 ug/L

RT: 10.922 min Scan# 1482

Delta R.T. -0.043 min

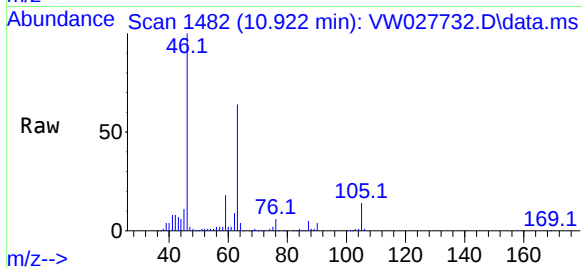
Lab File: VW027732.D

Acq: 18 Dec 2023 15:55

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 4737

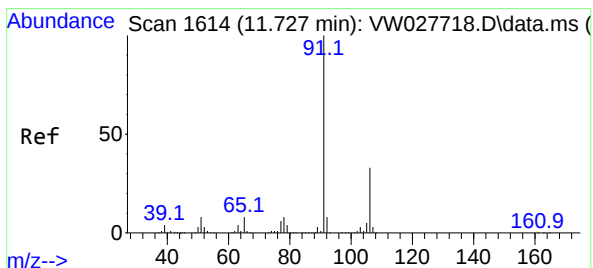
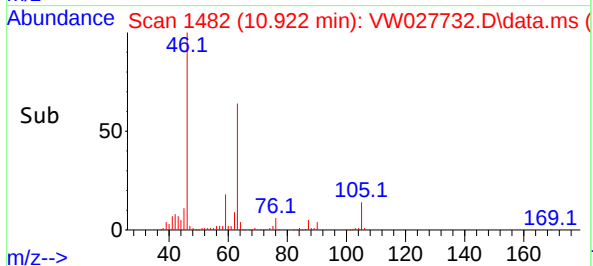
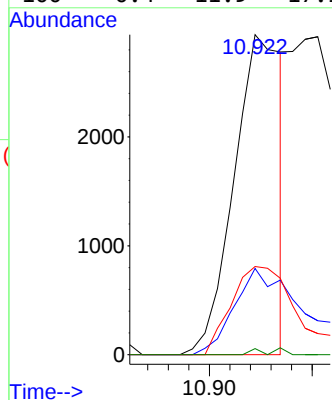
Ion Ratio Lower Upper

43 100

58 41.6 50.4 75.6#

57 37.6 17.0 25.6#

100 0.4 11.9 17.9#



#52

Ethylbenzene

Concen: 1.561 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW027732.D

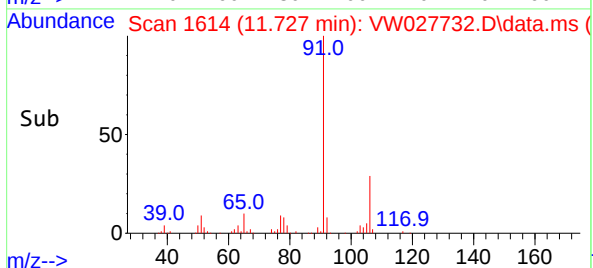
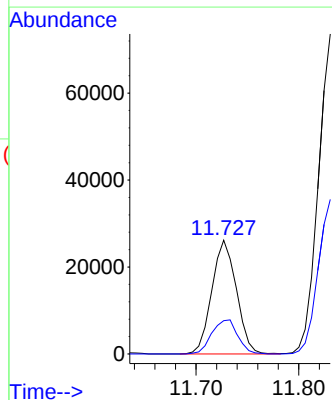
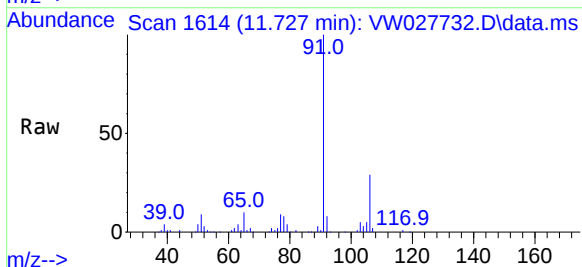
Acq: 18 Dec 2023 15:55

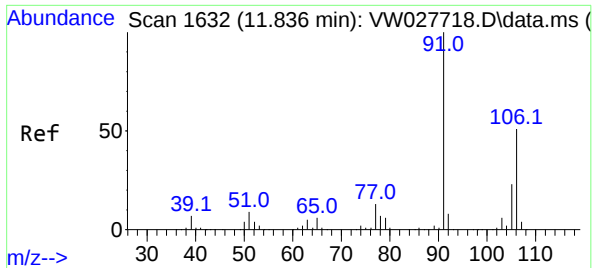
Tgt Ion: 91 Resp: 43445

Ion Ratio Lower Upper

91 100

106 29.3 23.7 44.1

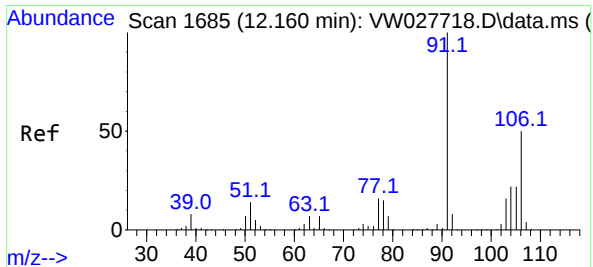
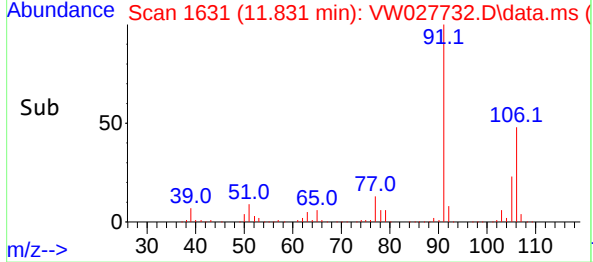
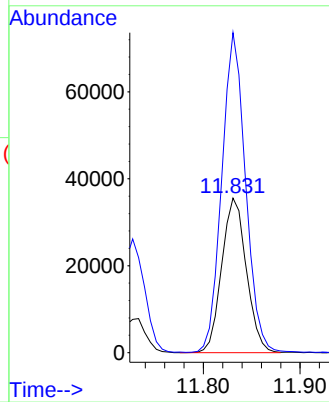
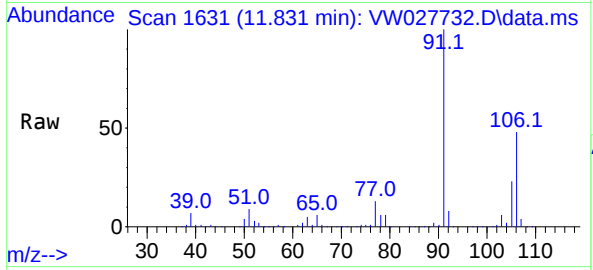




#53
m,p-Xylene
Concen: 5.878 ug/L
RT: 11.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

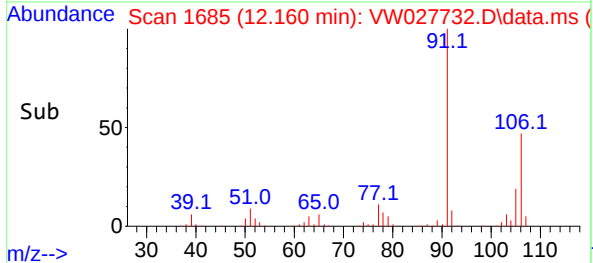
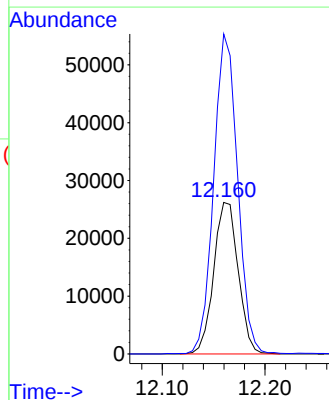
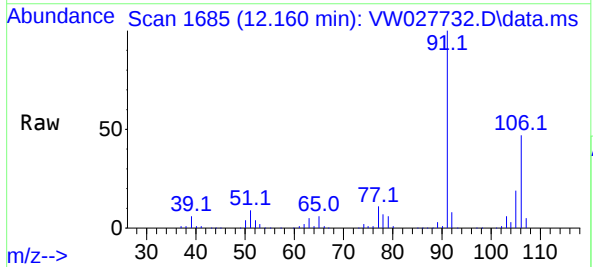
Instrument :
MSVOA_W
ClientSampleId :

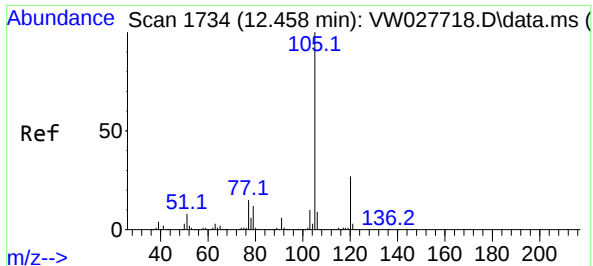
Tgt Ion:106 Resp: 62825
Ion Ratio Lower Upper
106 100
91 207.0 135.7 251.9



#54
o-Xylene
Concen: 4.351 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

Tgt Ion:106 Resp: 43308
Ion Ratio Lower Upper
106 100
91 211.1 149.9 278.3

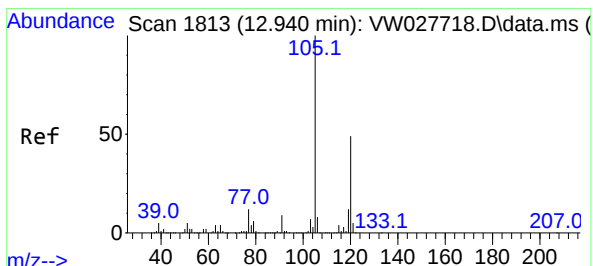
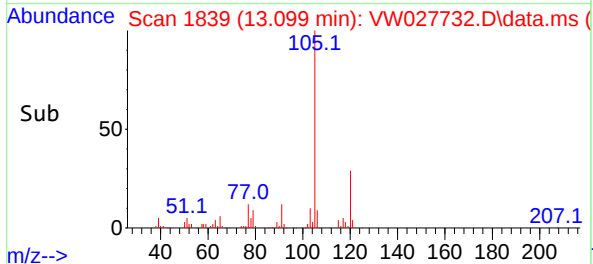
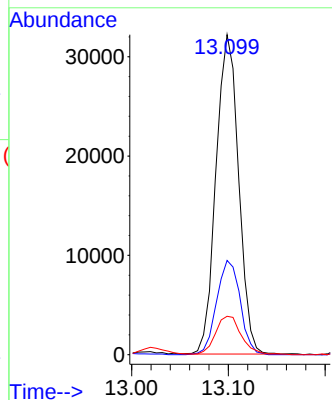
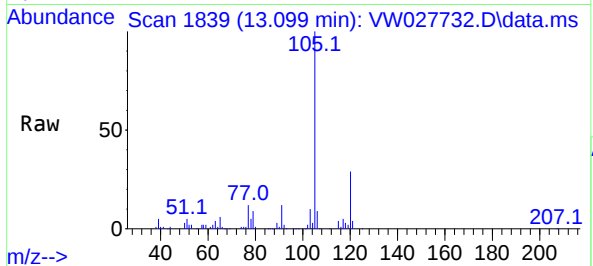




#60
Isopropylbenzene
Concen: 3.186 ug/L
RT: 13.099 min Scan# 11
Delta R.T. 0.640 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

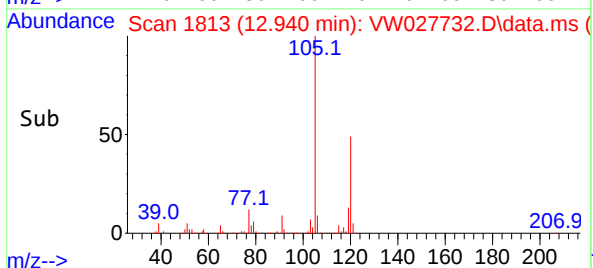
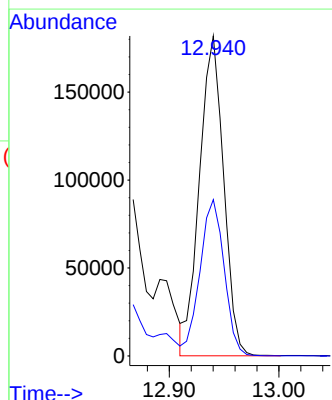
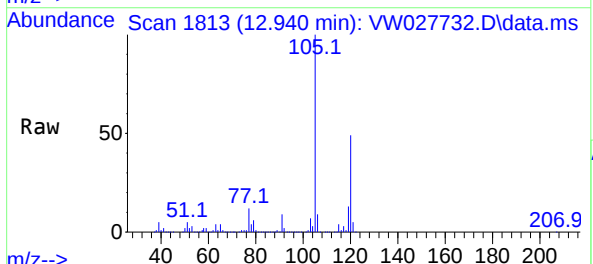
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ClientSampleId :

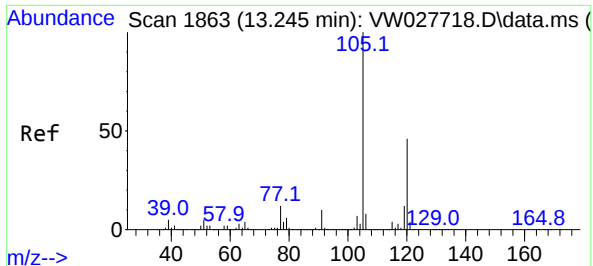
Tgt Ion:105 Resp: 52157
Ion Ratio Lower Upper
105 100
120 30.7 21.0 31.4
77 13.1 12.0 18.0



#62
1,3,5-Trimethylbenzene
Concen: 21.253 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

Tgt Ion:105 Resp: 278158
Ion Ratio Lower Upper
105 100
120 49.2 40.0 60.0

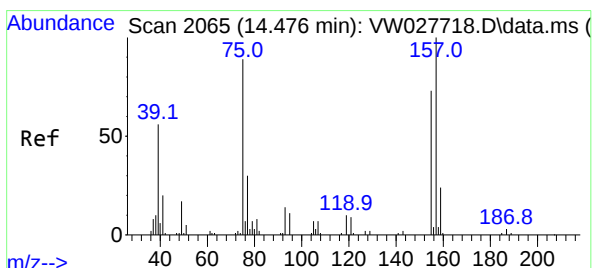
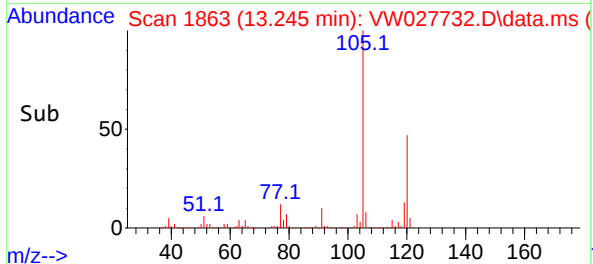
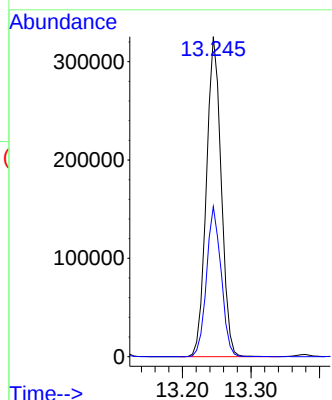
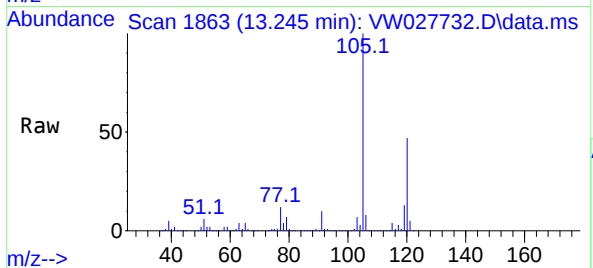




#63
1,2,4-Trimethylbenzene
Concen: 38.095 ug/L
RT: 13.245 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

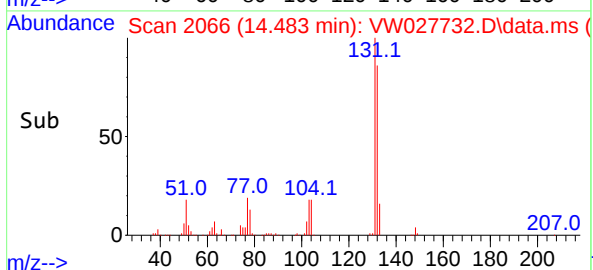
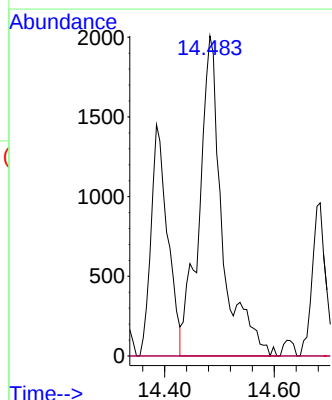
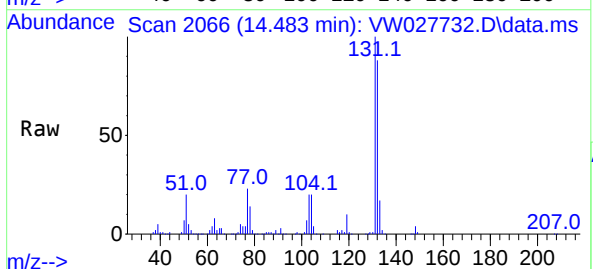
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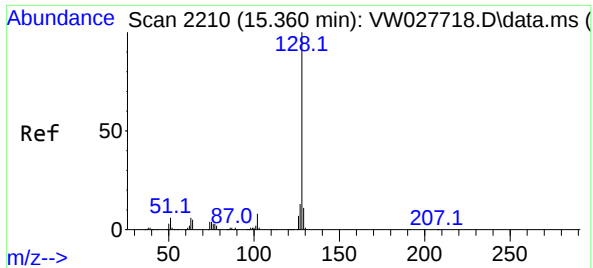
Tgt Ion:105 Resp: 490785
Ion Ratio Lower Upper
105 100
120 46.0 36.4 54.6



#68
1,2-Dibromo-3-chloropropane
Concen: 15.286 ug/L
RT: 14.483 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

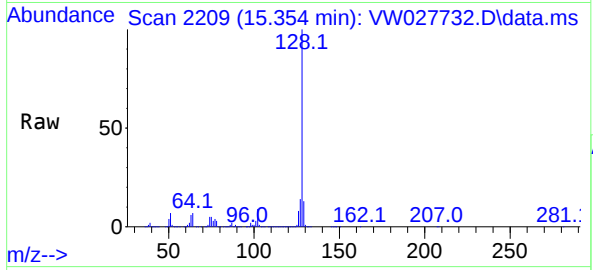
Tgt Ion: 75 Resp: 5904
Ion Ratio Lower Upper
75 100
155 0.0 59.8 89.6#
157 0.0 87.5 131.3#





#71
Naphthalene
Concen: 995.302 ug/L
RT: 15.354 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW027732.D
Acq: 18 Dec 2023 15:55

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 7130208

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.2
129	11.9	8.6	12.8

