

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121823\
 Data File : VW027720.D
 Acq On : 18 Dec 2023 11:00
 Operator : SY/MD
 Sample : 05836-03RE
 Misc : 3.48g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 18 22:12:30 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)

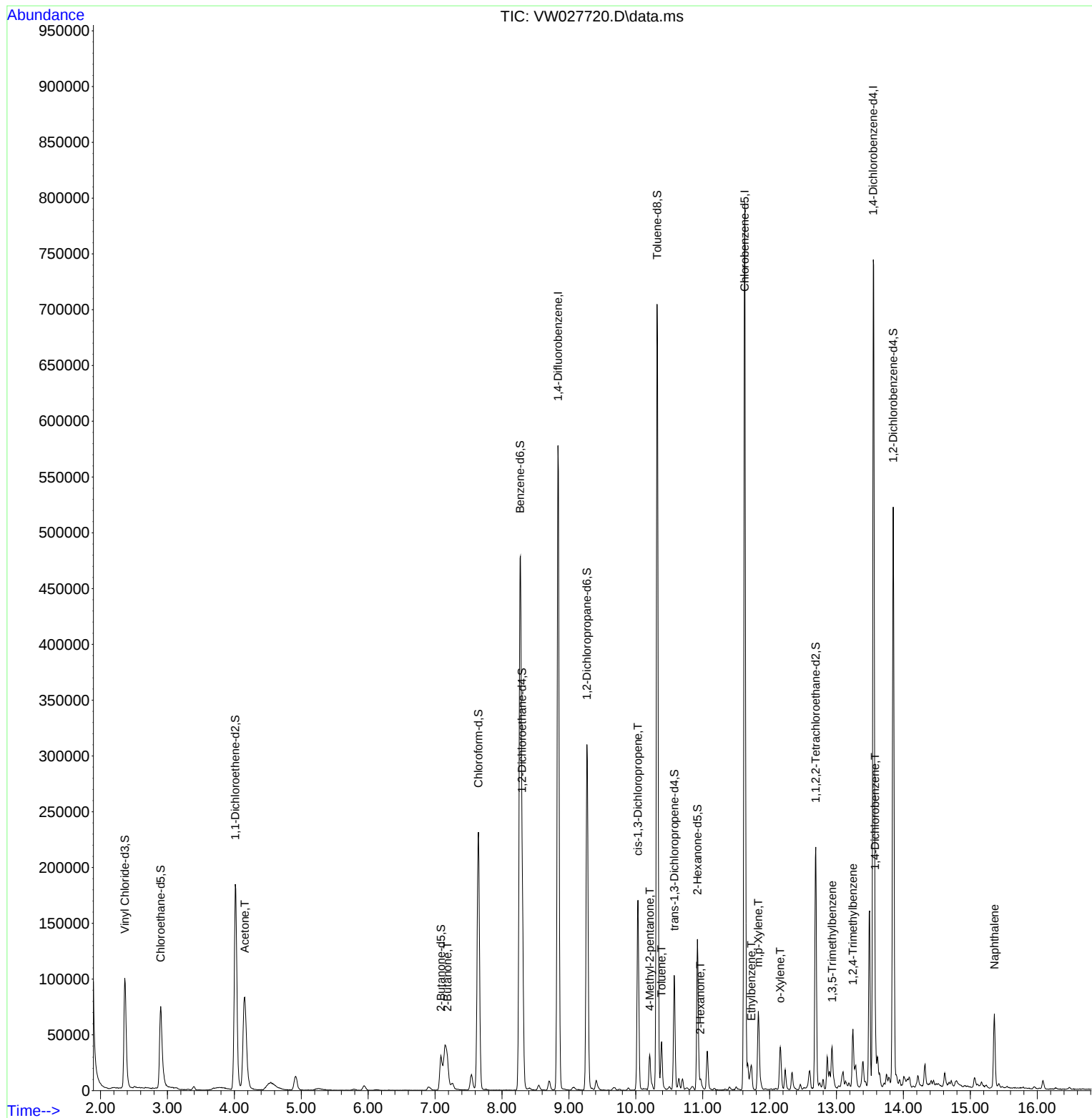
Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	526946	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	465571	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	201451	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	148930	19.956	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.840%
7) Chloroethane-d5	2.899	69	117288	20.185	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.760%
11) 1,1-Dichloroethene-d2	4.015	65	56650	18.954	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.800%
21) 2-Butanone-d5	7.087	46	52969	41.682	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.360%
24) Chloroform-d	7.648	84	247633	19.749	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.000%
26) 1,2-Dichloroethane-d4	8.301	65	122317	20.776	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.120%
32) Benzene-d6	8.270	84	546621	20.089	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.360%
36) 1,2-Dichloropropane-d6	9.270	67	154355	20.024	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.080%
41) Toluene-d8	10.319	98	488185	19.338	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.360%
43) trans-1,3-Dichloroprop...	10.575	79	59846	20.052	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.200%
47) 2-Hexanone-d5	10.922	63	50124	44.619	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.240%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	114473	19.637	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.560%
66) 1,2-Dichlorobenzene-d4	13.848	152	148807	20.636	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.560%
Target Compounds					Qvalue	
13) Acetone	4.155	43	193082	167.375	ug/L	97
22) 2-Butanone	7.185	43	38287	24.993	ug/L	97
39) cis-1,3-Dichloropropene	10.032	75	4025	0.405	ug/L #	54
40) 4-Methyl-2-pentanone	10.209	43	21013	7.380	ug/L	97
42) Toluene	10.386	91	31851	1.097	ug/L	92
48) 2-Hexanone	10.965	43	5253	2.479	ug/L #	92
52) Ethylbenzene	11.727	91	14206	0.434	ug/L	96
53) m,p-Xylene	11.830	106	22470	1.788	ug/L	93
54) o-Xylene	12.160	106	8030	0.686	ug/L	98
62) 1,3,5-Trimethylbenzene	12.934	105	7101	0.312	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	32722	1.463	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	16522	1.339	ug/L	96
71) Naphthalene	15.360	128	58951	4.739	ug/L	99

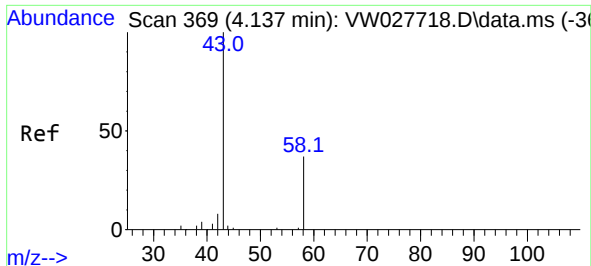
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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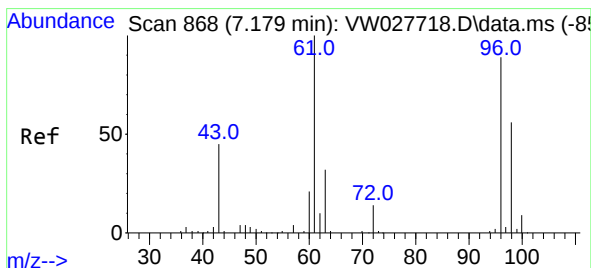
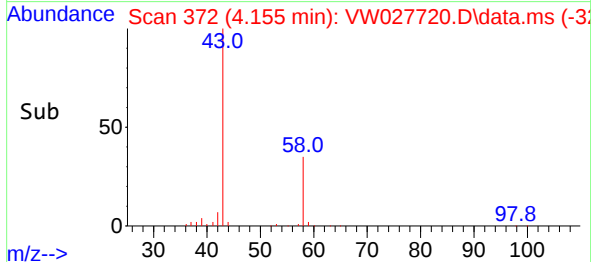
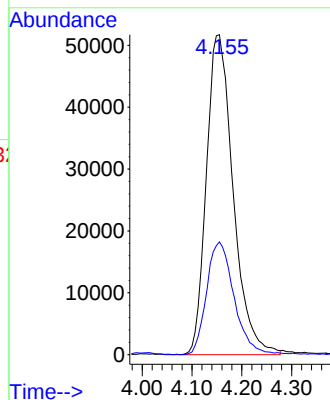
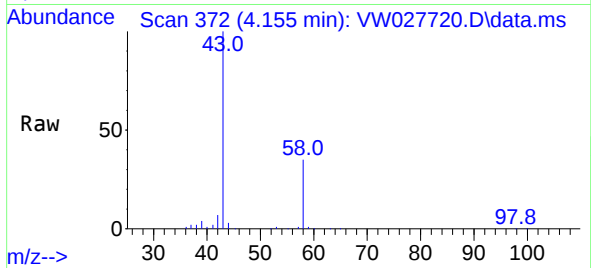




#13
Acetone
Concen: 167.375 ug/L
RT: 4.155 min Scan# 31
Delta R.T. -0.031 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

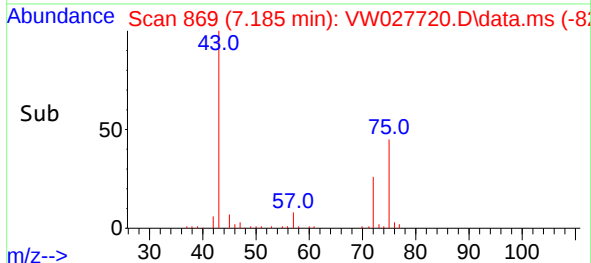
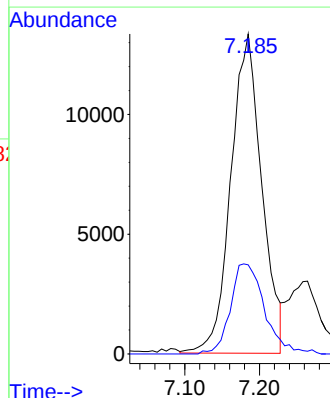
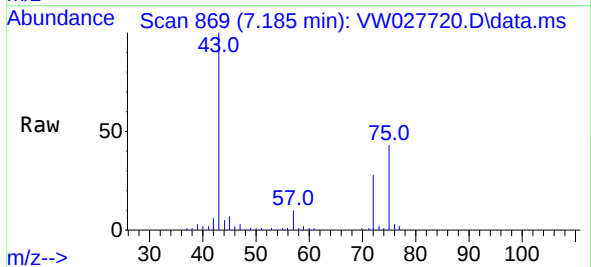
Instrument :
MSVOA_W
ClientSampleId :

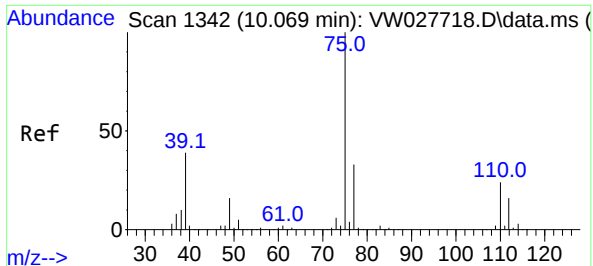
Tgt Ion: 43 Resp: 193082
Ion Ratio Lower Upper
43 100
58 35.9 0.0 68.6



#22
2-Butanone
Concen: 24.993 ug/L
RT: 7.185 min Scan# 869
Delta R.T. -0.012 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

Tgt Ion: 43 Resp: 38287
Ion Ratio Lower Upper
43 100
72 30.3 16.1 48.2





#39

cis-1,3-Dichloropropene

Concen: 0.405 ug/L

RT: 10.032 min Scan# 11

Delta R.T. -0.037 min

Lab File: VW027720.D

Acq: 18 Dec 2023 11:00

Instrument :

MSVOA_W

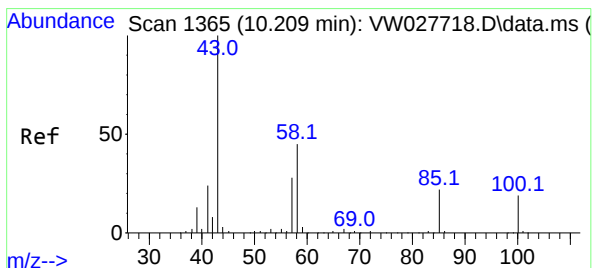
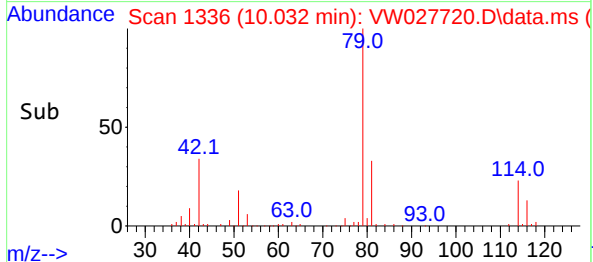
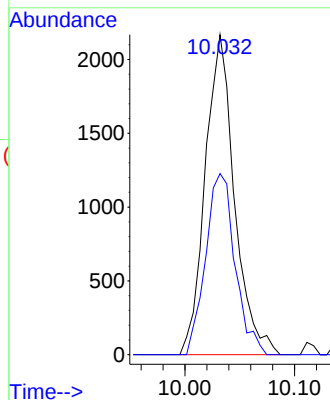
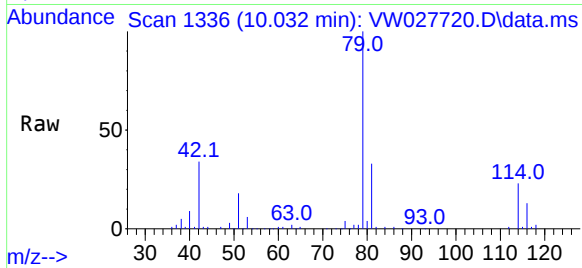
ClientSampleId :

Tgt Ion: 75 Resp: 4025

Ion Ratio Lower Upper

75 100

77 56.6 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 7.380 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW027720.D

Acq: 18 Dec 2023 11:00

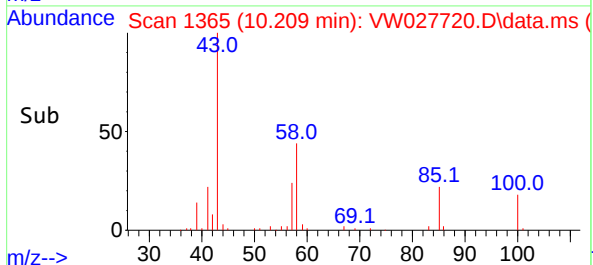
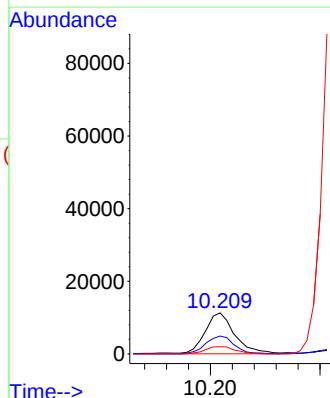
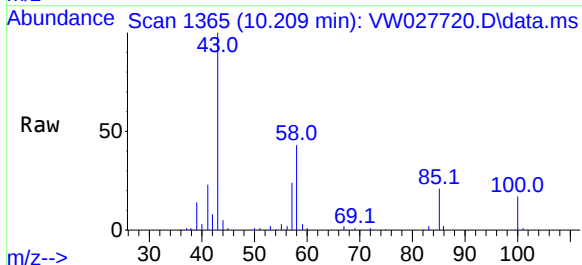
Tgt Ion: 43 Resp: 21013

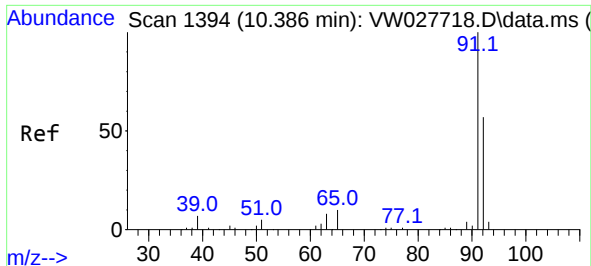
Ion Ratio Lower Upper

43 100

58 43.3 36.1 54.1

100 18.5 15.8 23.8

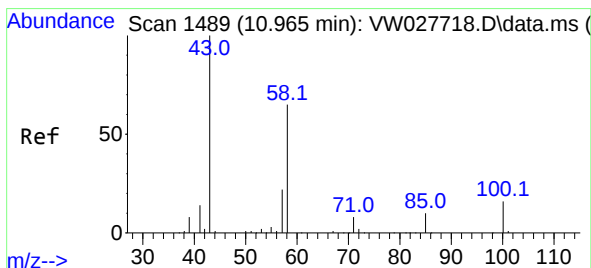
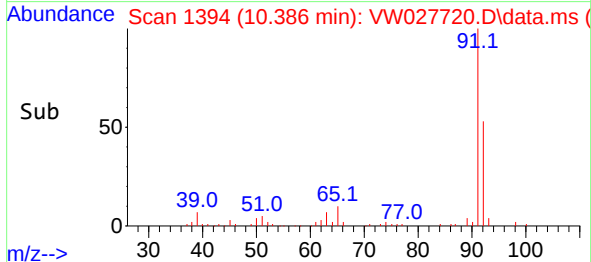
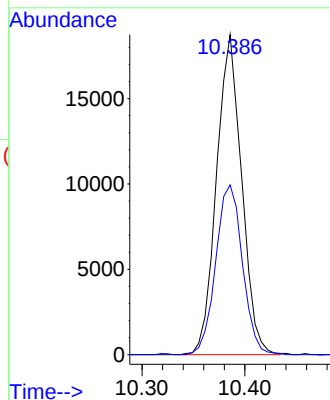
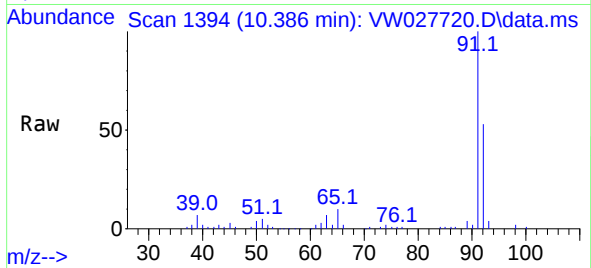




#42
Toluene
Concen: 1.097 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

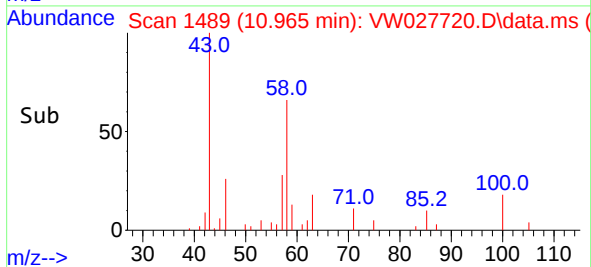
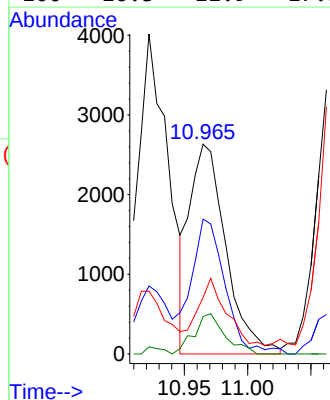
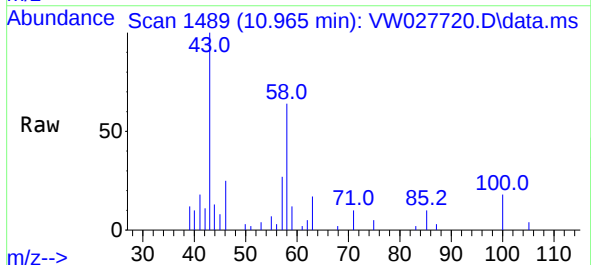
Instrument :
MSVOA_W
ClientSampleId :

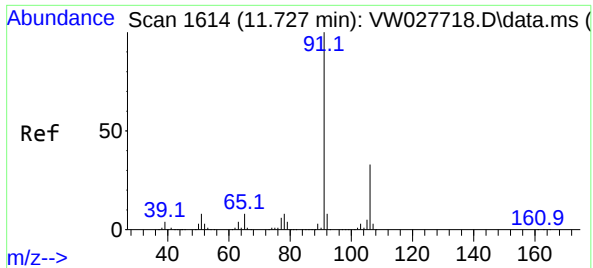
Tgt Ion: 91 Resp: 31851
Ion Ratio Lower Upper
91 100
92 53.0 41.2 76.4



#48
2-Hexanone
Concen: 2.479 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

Tgt Ion: 43 Resp: 5253
Ion Ratio Lower Upper
43 100
58 60.1 50.4 75.6
57 32.9 17.0 25.6#
100 16.3 11.9 17.9

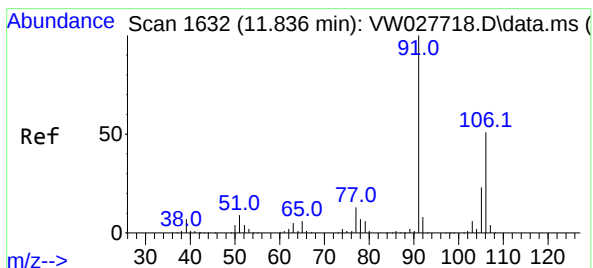
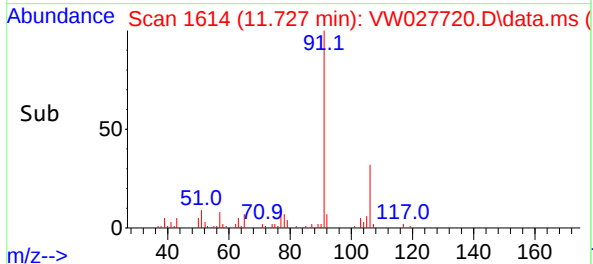
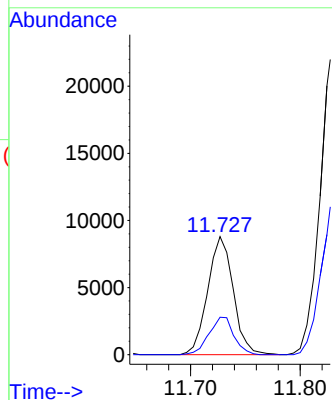
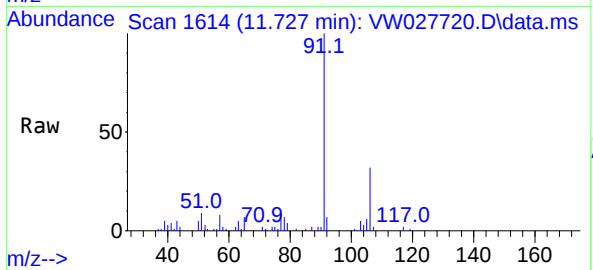




#52
Ethylbenzene
Concen: 0.434 ug/L
RT: 11.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

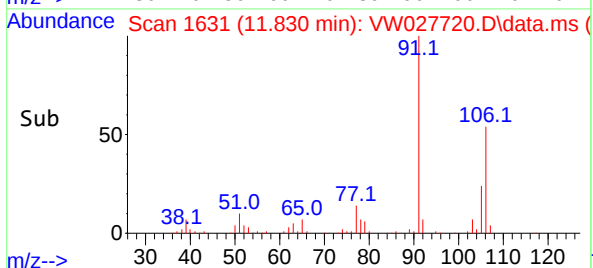
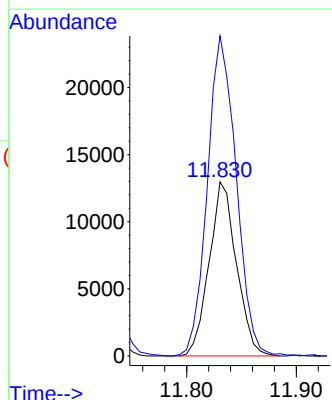
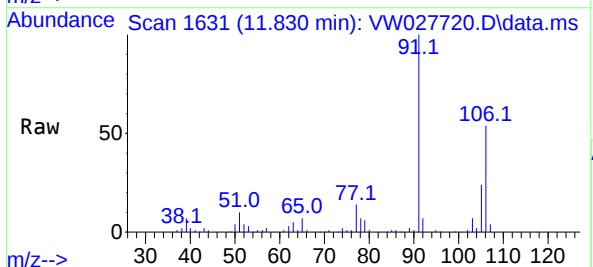
Instrument :
MSVOA_W
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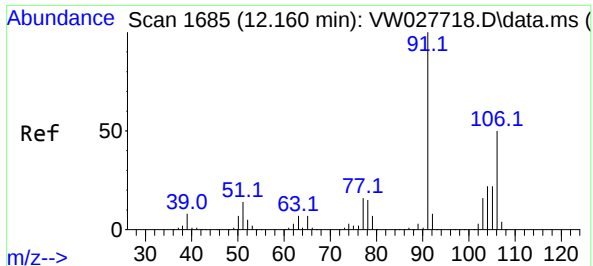
Tgt Ion: 91 Resp: 14206
Ion Ratio Lower Upper
91 100
106 31.7 23.7 44.1



#53
m,p-Xylene
Concen: 1.788 ug/L
RT: 11.830 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

Tgt Ion:106 Resp: 22470
Ion Ratio Lower Upper
106 100
91 183.8 135.7 251.9

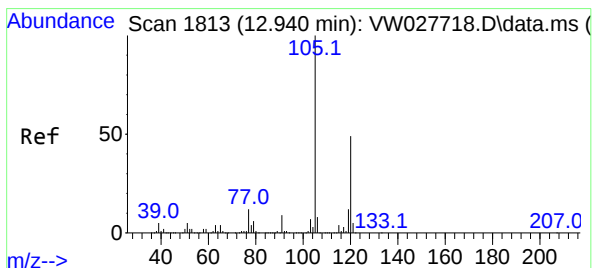
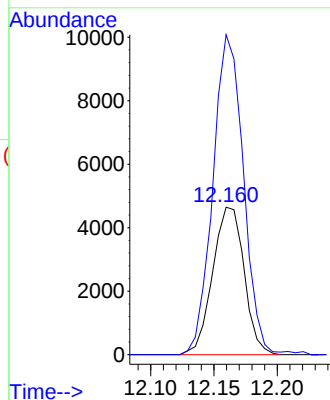




#54
o-Xylene
Concen: 0.686 ug/L
RT: 12.160 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

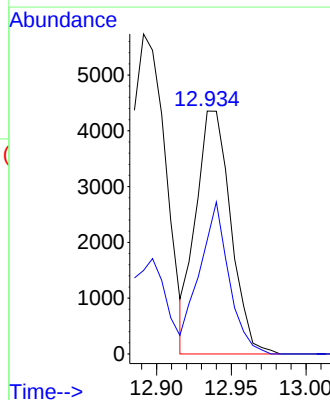
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MSVOA_W
ClientSampleId :

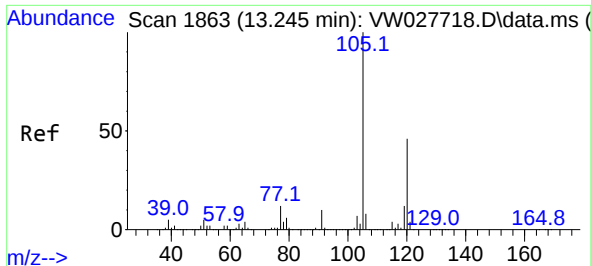
Tgt Ion:106 Resp: 8030
Ion Ratio Lower Upper
106 100
91 217.0 149.9 278.3



#62
1,3,5-Trimethylbenzene
Concen: 0.312 ug/L
RT: 12.934 min Scan# 1812
Delta R.T. -0.006 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

Tgt Ion:105 Resp: 7101
Ion Ratio Lower Upper
105 100
120 52.6 40.0 60.0

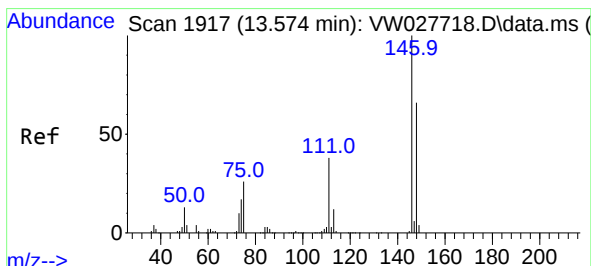
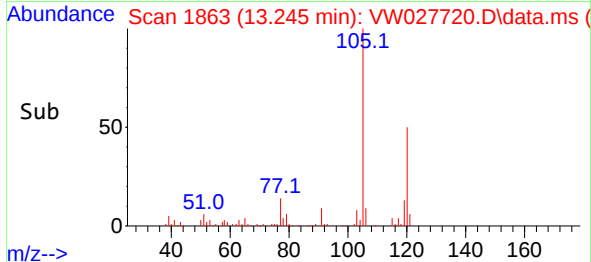
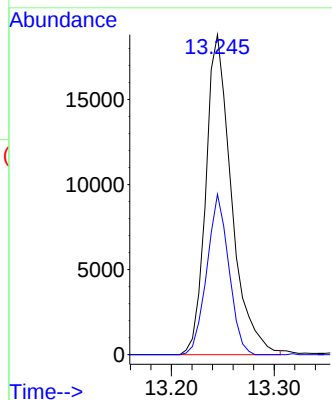
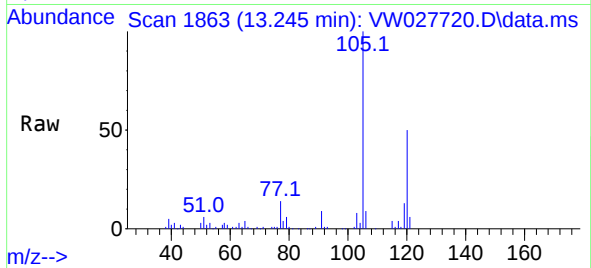




#63
1,2,4-Trimethylbenzene
Concen: 1.463 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

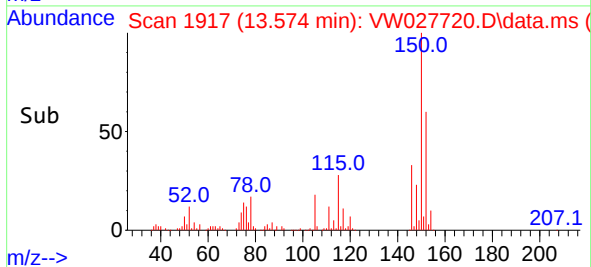
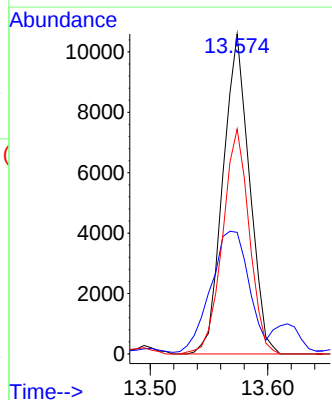
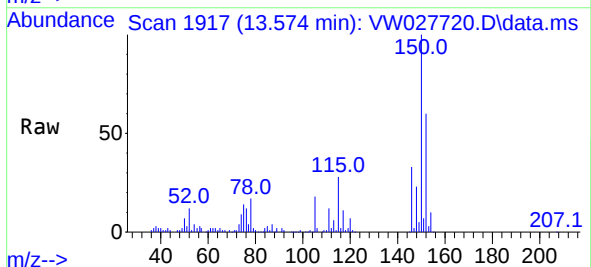
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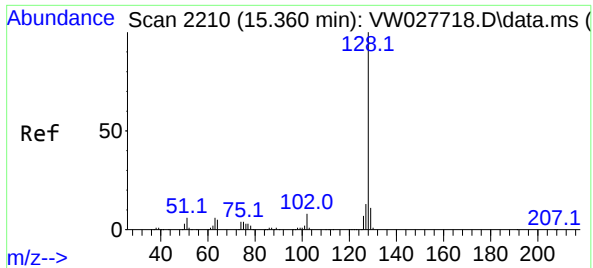
Tgt Ion:105 Resp: 32722
Ion Ratio Lower Upper
105 100
120 42.7 36.4 54.6



#65
1,4-Dichlorobenzene
Concen: 1.339 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

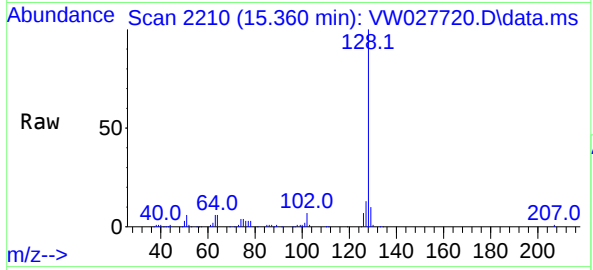
Tgt Ion:146 Resp: 16522
Ion Ratio Lower Upper
146 100
111 38.0 26.2 48.6
148 70.3 46.3 85.9





#71
Naphthalene
Concen: 4.739 ug/L
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW027720.D
Acq: 18 Dec 2023 11:00

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	58951
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.2
129	10.5	8.6	12.8

