

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121923\
 Data File : VW027768.D
 Acq On : 19 Dec 2023 10:52
 Operator : SY/MD
 Sample : 05891-14RE
 Misc : 4.25g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 19 22:34:35 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)

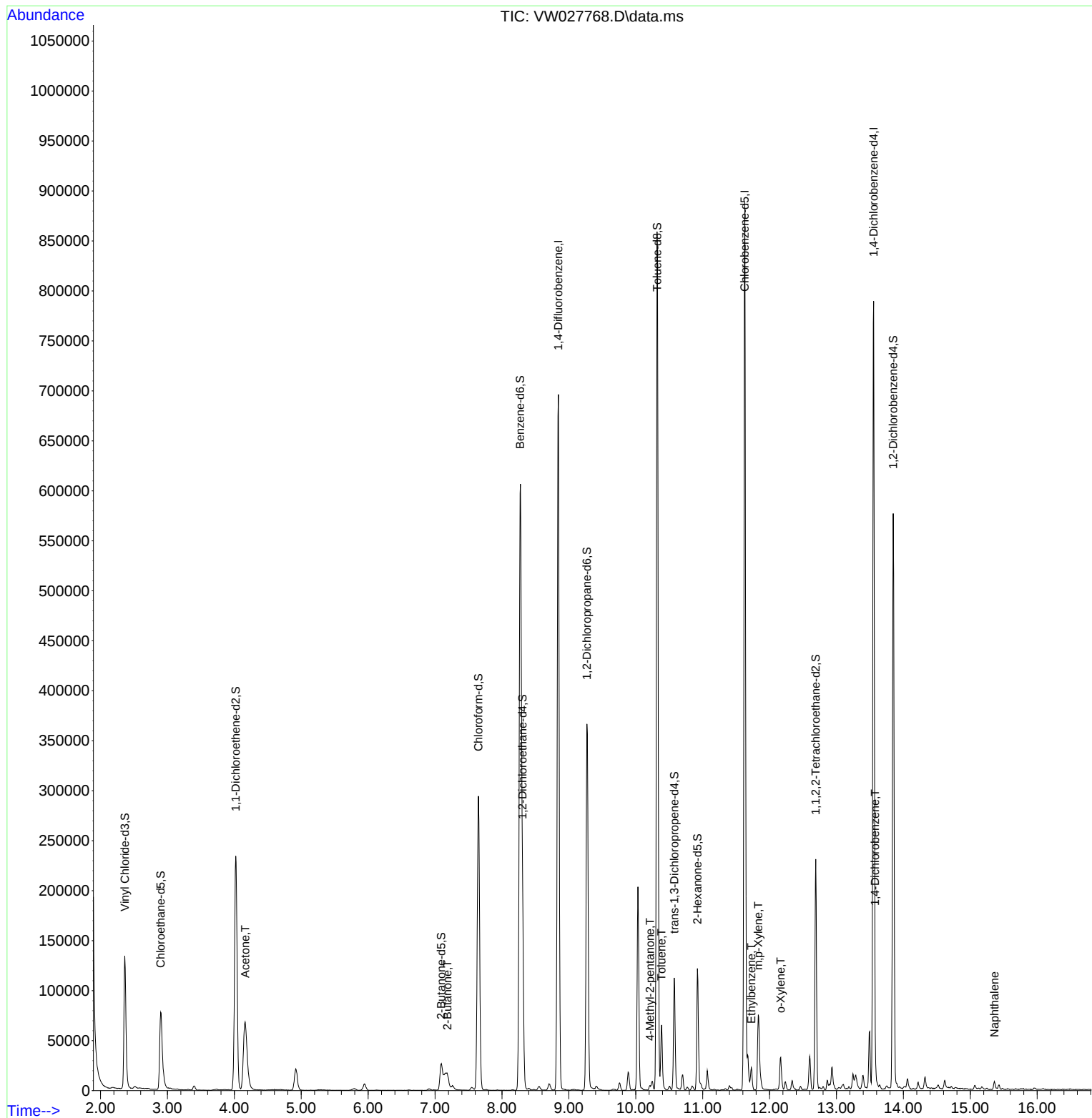
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	636124	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	524153	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	220574	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	174203	19.337	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.360%
7) Chloroethane-d5	2.899	69	129264	18.428	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.720%
11) 1,1-Dichloroethene-d2	4.021	65	70488	19.536	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.160%
21) 2-Butanone-d5	7.094	46	49797	32.460	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	64.920%
24) Chloroform-d	7.648	84	317195	20.955	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.840%
26) 1,2-Dichloroethane-d4	8.307	65	139876	19.681	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	78.720%
32) Benzene-d6	8.270	84	681964	22.262	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.040%
36) 1,2-Dichloropropane-d6	9.270	67	187055	21.553	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.200%
41) Toluene-d8	10.319	98	601589	21.167	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.680%
43) trans-1,3-Dichloroprop...	10.575	79	65015	19.349	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.400%
47) 2-Hexanone-d5	10.922	63	46650	36.886	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.780%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	117300	17.873	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.480%
66) 1,2-Dichlorobenzene-d4	13.849	152	165091	20.909	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.640%
Target Compounds						
					Qvalue	
13) Acetone	4.161	43	171109	122.870	ug/L	98
22) 2-Butanone	7.185	43	19597	10.597	ug/L	96
40) 4-Methyl-2-pentanone	10.215	43	3260	1.017	ug/L	95
42) Toluene	10.386	91	48096	1.471	ug/L	96
52) Ethylbenzene	11.727	91	14928	0.405	ug/L	97
53) m,p-Xylene	11.831	106	23594	1.667	ug/L	94
54) o-Xylene	12.166	106	7996	0.607	ug/L	88
65) 1,4-Dichlorobenzene	13.574	146	5869	0.434	ug/L	91
71) Naphthalene	15.360	128	7201	0.529	ug/L	97

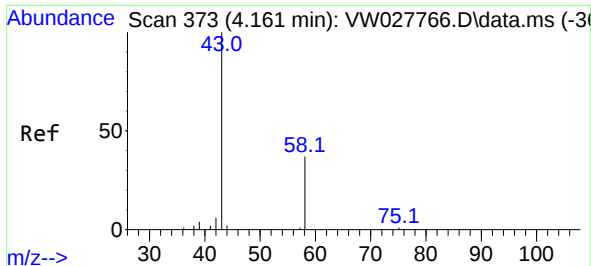
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

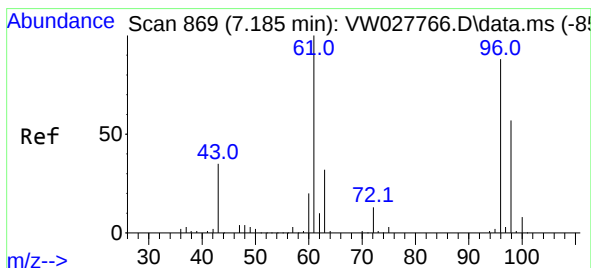
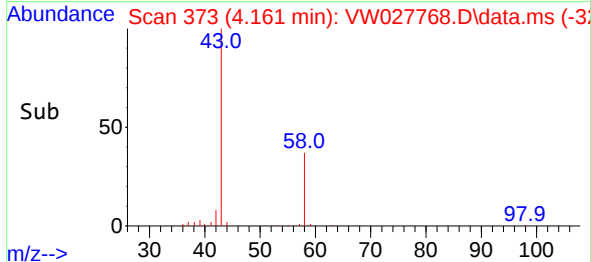
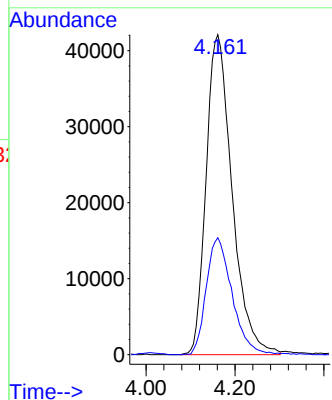
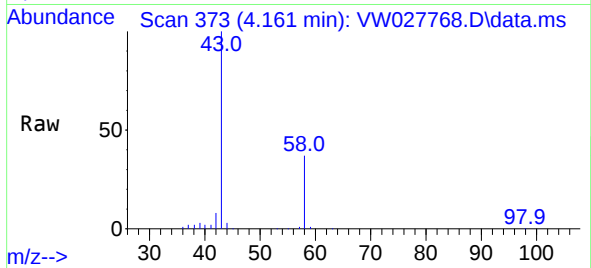




#13
Acetone
Concen: 122.870 ug/L
RT: 4.161 min Scan# 31
Delta R.T. -0.024 min
Lab File: VW027768.D
Acq: 19 Dec 2023 10:52

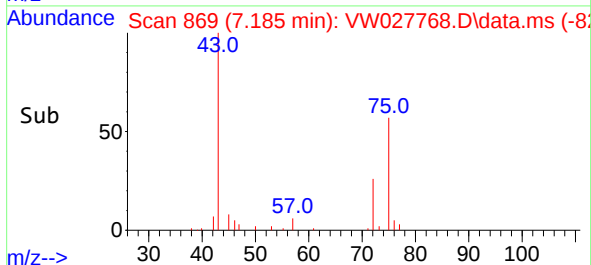
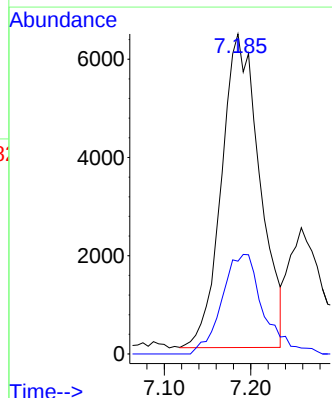
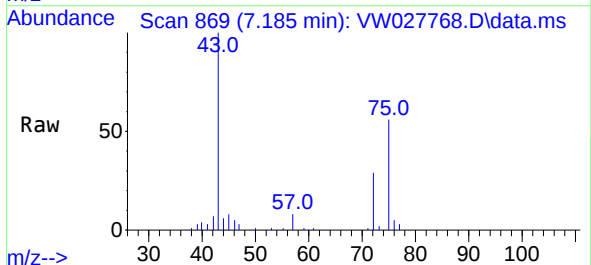
Instrument :
MSVOA_W
ClientSampleId :

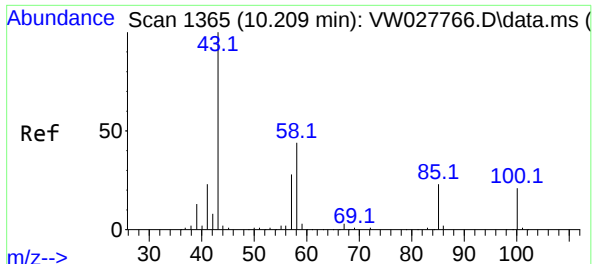
Tgt Ion: 43 Resp: 171109
Ion Ratio Lower Upper
43 100
58 35.7 0.0 68.6



#22
2-Butanone
Concen: 10.597 ug/L
RT: 7.185 min Scan# 869
Delta R.T. -0.012 min
Lab File: VW027768.D
Acq: 19 Dec 2023 10:52

Tgt Ion: 43 Resp: 19597
Ion Ratio Lower Upper
43 100
72 34.1 16.1 48.2





#40

4-Methyl-2-pentanone

Concen: 1.017 ug/L

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW027768.D

Acq: 19 Dec 2023 10:52

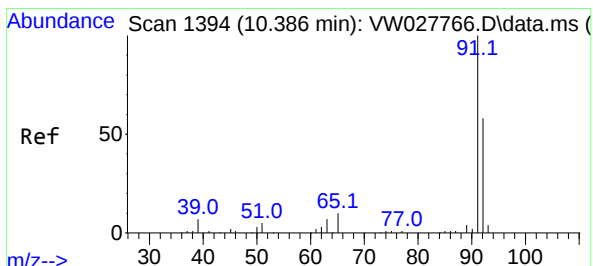
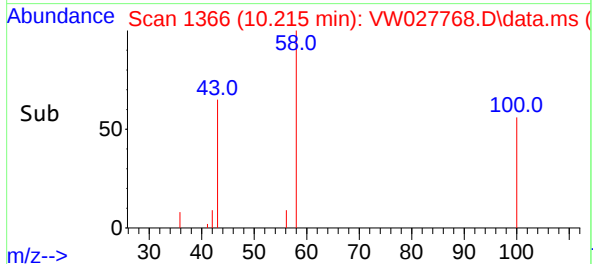
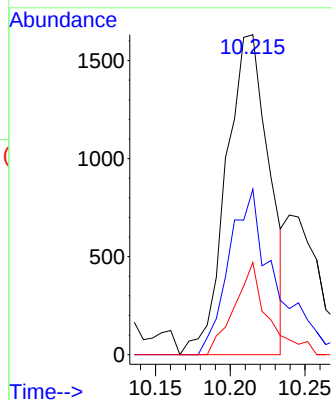
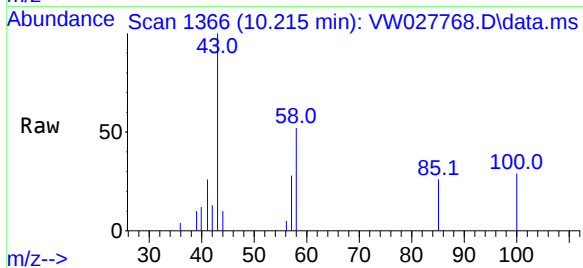
Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 3260

Ion	Ratio	Lower	Upper
43	100		
58	48.6	36.1	54.1
100	21.7	15.8	23.8



#42

Toluene

Concen: 1.471 ug/L

RT: 10.386 min Scan# 1394

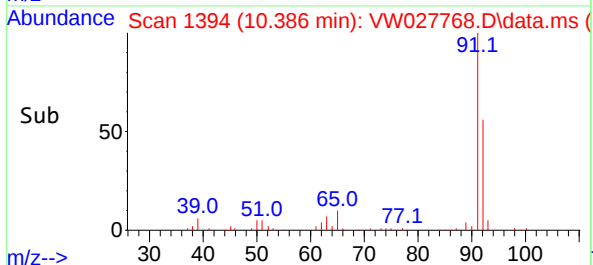
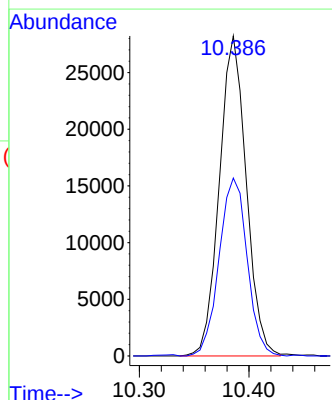
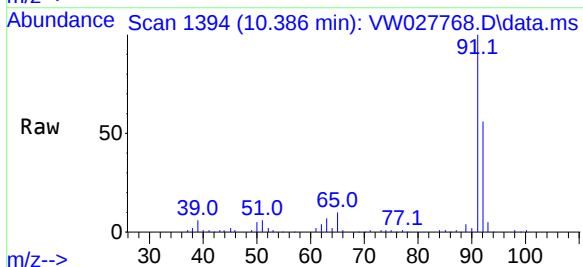
Delta R.T. 0.000 min

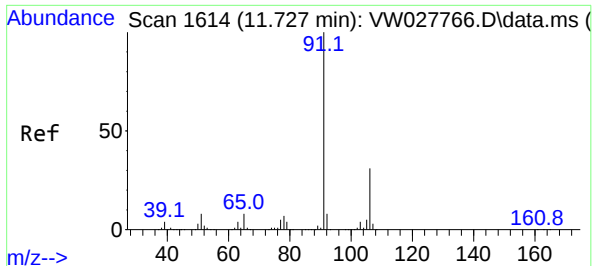
Lab File: VW027768.D

Acq: 19 Dec 2023 10:52

Tgt Ion: 91 Resp: 48096

Ion	Ratio	Lower	Upper
91	100		
92	55.6	41.2	76.4

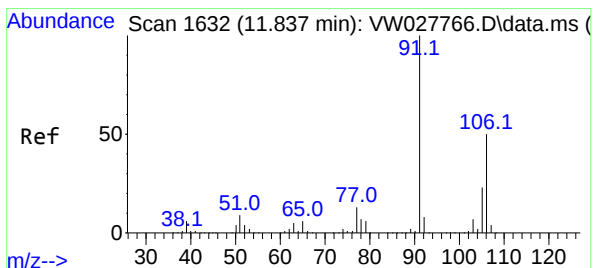
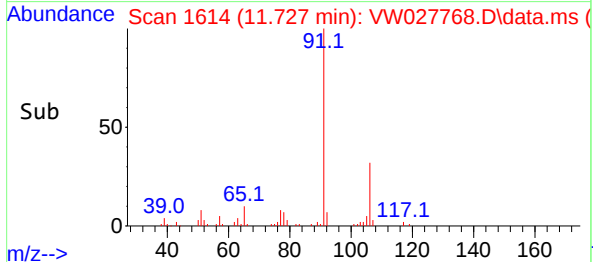
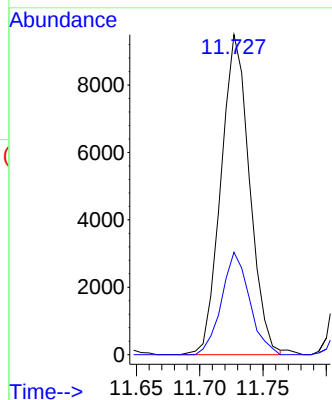
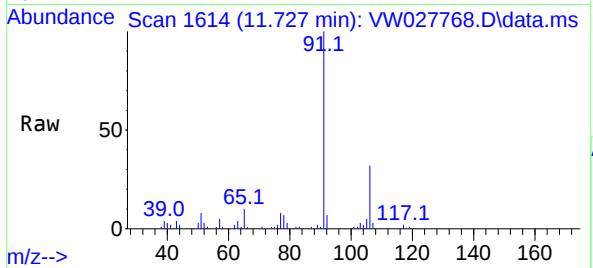




#52
Ethylbenzene
Concen: 0.405 ug/L
RT: 11.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW027768.D
Acq: 19 Dec 2023 10:52

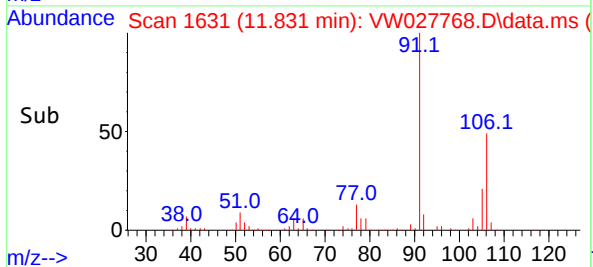
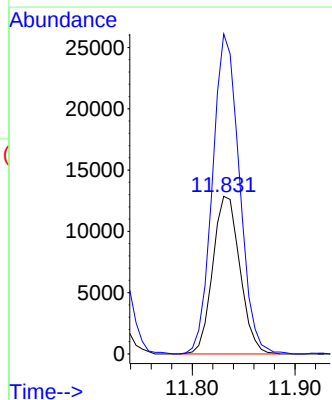
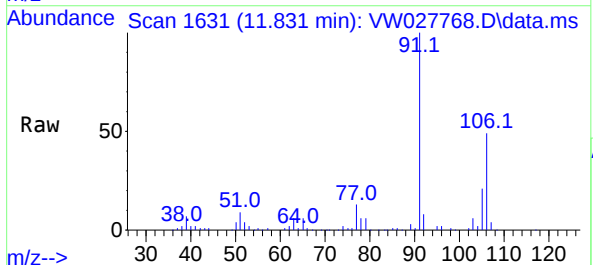
Instrument :
MSVOA_W
ClientSampleId :

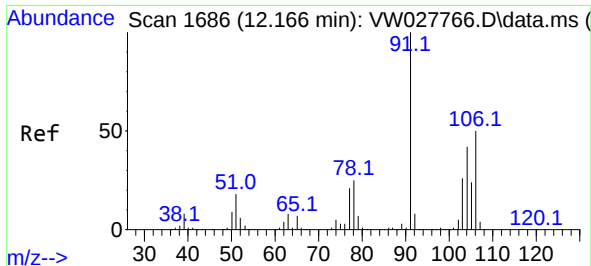
Tgt Ion: 91 Resp: 14928
Ion Ratio Lower Upper
91 100
106 32.0 23.7 44.1



#53
m,p-Xylene
Concen: 1.667 ug/L
RT: 11.831 min Scan# 1631
Delta R.T. -0.006 min
Lab File: VW027768.D
Acq: 19 Dec 2023 10:52

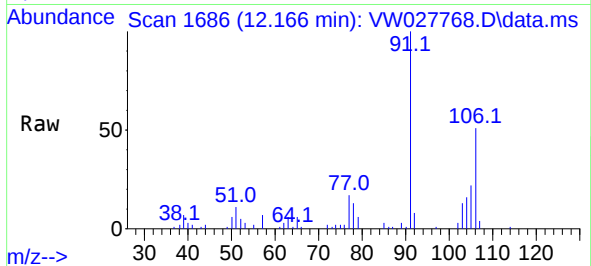
Tgt Ion:106 Resp: 23594
Ion Ratio Lower Upper
106 100
91 203.1 135.7 251.9



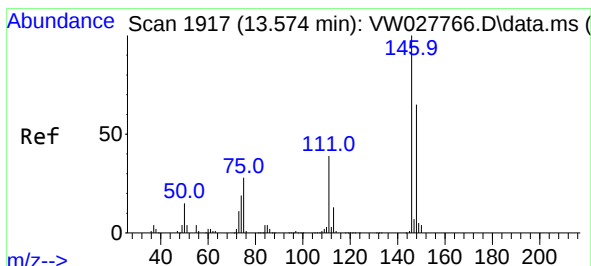
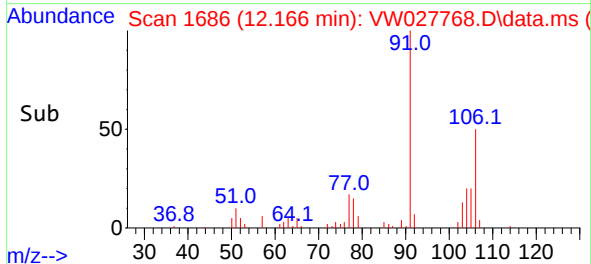
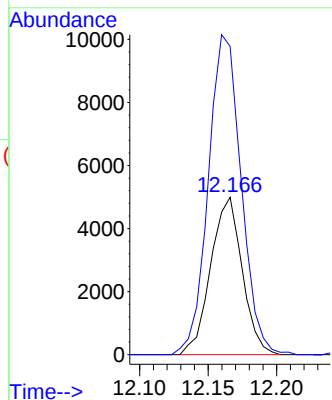


#54
o-Xylene
Concen: 0.607 ug/L
RT: 12.166 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW027768.D
Acq: 19 Dec 2023 10:52

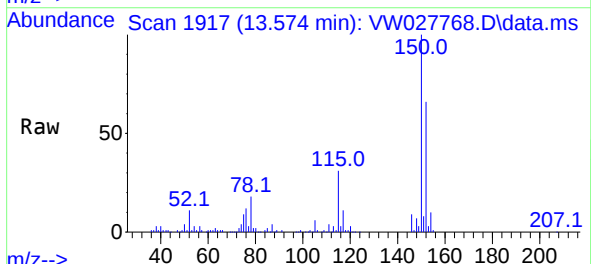
Instrument :
MSVOA_W
ClientSampleId :



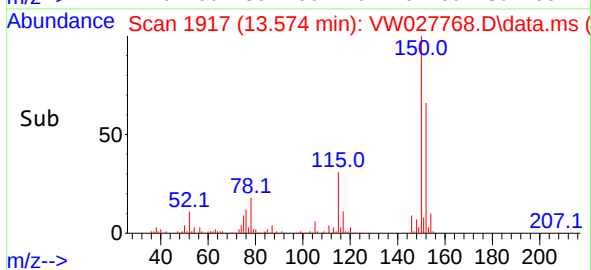
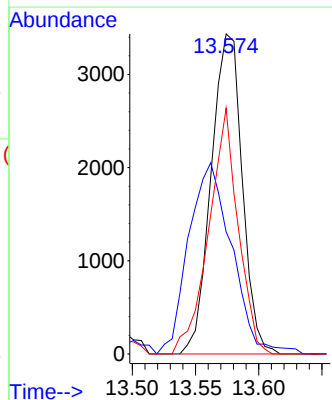
Tgt Ion:106 Resp: 7996
Ion Ratio Lower Upper
106 100
91 195.8 149.9 278.3

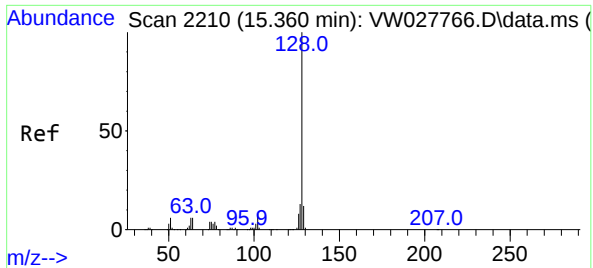


#65
1,4-Dichlorobenzene
Concen: 0.434 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027768.D
Acq: 19 Dec 2023 10:52



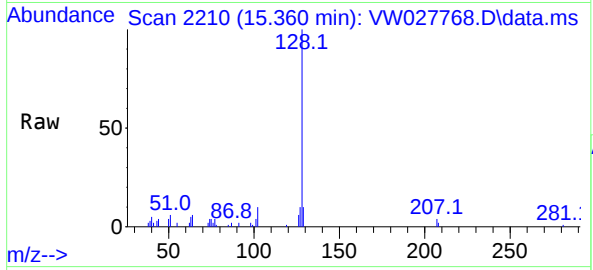
Tgt Ion:146 Resp: 5869
Ion Ratio Lower Upper
146 100
111 38.2 26.2 48.6
148 76.8 46.3 85.9





#71
Naphthalene
Concen: 0.529 ug/L
RT: 15.360 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW027768.D
Acq: 19 Dec 2023 10:52

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:	128	Resp:	7201
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.2	15.2
129	9.7	8.6	12.8

