

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091423\
 Data File : VW027110.D
 Acq On : 14 Sep 2023 18:16
 Operator : SY/MD
 Sample : 04417-18RE
 Misc : 5.36g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 15 00:17:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 09 02:59:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	874598	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.635	117	589614	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	170181	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	149229	9.551	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	38.200%
7) Chloroethane-d5	2.893	69	145804	11.562	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	46.240%
11) 1,1-Dichloroethene-d2	4.015	65	66880	11.614	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	46.440%
21) 2-Butanone-d5	7.331	46	316	0.105	ug/L	0.26
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.200%#
24) Chloroform-d	7.673	84	27241	1.047	ug/L	0.02
Spiked Amount	25.000	Range	40 - 150	Recovery	=	4.200%#
26) 1,2-Dichloroethane-d4	8.575	65	422	0.031	ug/L	0.27
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.120%#
32) Benzene-d6	8.270	84	853934	22.080	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.320%
36) 1,2-Dichloropropane-d6	9.276	67	287787	25.347	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.400%
41) Toluene-d8	10.318	98	660870	18.874	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	75.480%
43) trans-1,3-Dichloroprop...	10.575	79	53409	12.122	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	48.480%
47) 2-Hexanone-d5	10.867	63	44	0.042	ug/L	-0.06
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.080%#
56) 1,1,2,2-Tetrachloroeth...	12.733	84	162	0.018	ug/L	0.04
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.080%#
66) 1,2-Dichlorobenzene-d4	13.848	152	149931	25.473	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.880%
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	43435	16.477	ug/L	97
14) Carbon disulfide	4.381	76	55563	1.402	ug/L	99
22) 2-Butanone	7.154	43	14365	3.387	ug/L	83
25) Chloroform	7.679	83	411256	16.447	ug/L	96
29) Cyclohexane	7.953	56	83971	5.462	ug/L	97
33) Benzene	8.325	78	131801	3.269	ug/L	100
34) Trichloroethene	9.093	95	197887	19.100	ug/L	94
35) Methylcyclohexane	9.337	83	337587	19.178	ug/L	98
42) Toluene	10.386	91	133049	3.206	ug/L	100
45) 1,1,2-Trichloroethane	10.757	97	15647	2.111	ug/L #	19
48) 2-Hexanone	10.934	43	22507	6.217	ug/L #	82
52) Ethylbenzene	11.727	91	79235	1.722	ug/L	98
53) m,p-Xylene	11.836	106	112134	6.444	ug/L	98
54) o-Xylene	12.166	106	72097	4.428	ug/L	86
60) Isopropylbenzene	12.464	105	17720	0.760	ug/L #	96
62) 1,3,5-Trimethylbenzene	12.940	105	99364	5.341	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	271406	14.923	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.495	75	2168	2.937	ug/L #	30
71) Naphthalene	15.360	128	363228	34.222	ug/L	99

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Quant Title : SFAM01.0
QLast Update : Sat Sep 09 02:59:49 2023
Response via : Initial Calibration

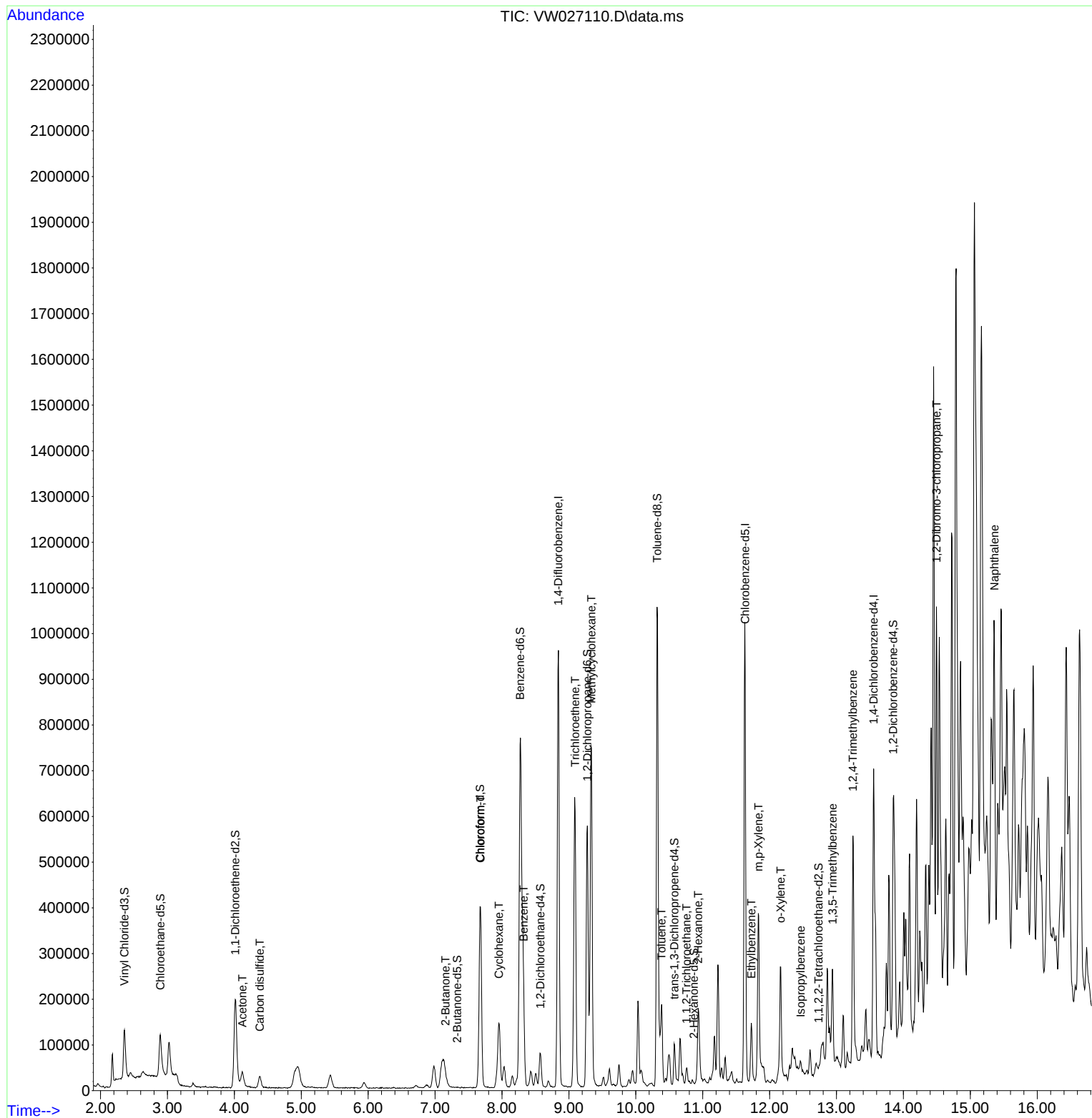
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

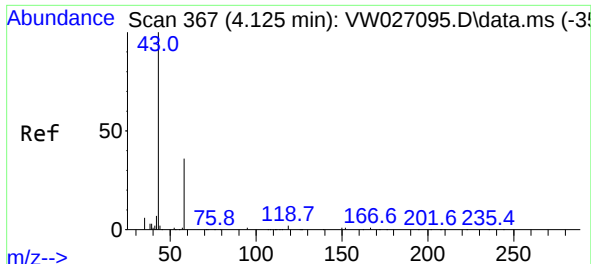
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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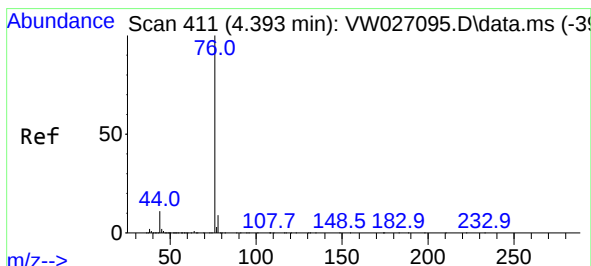
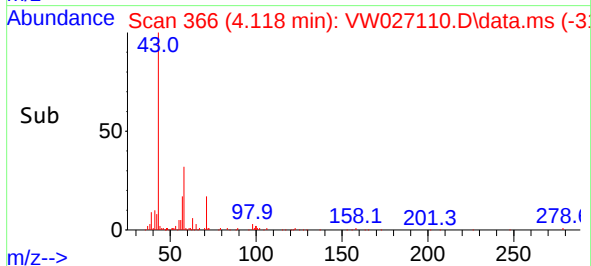
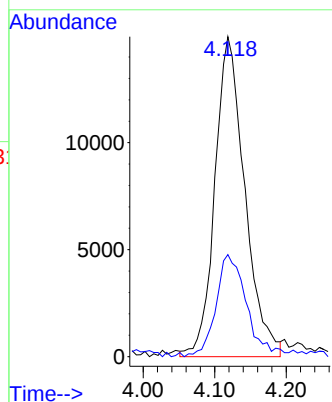
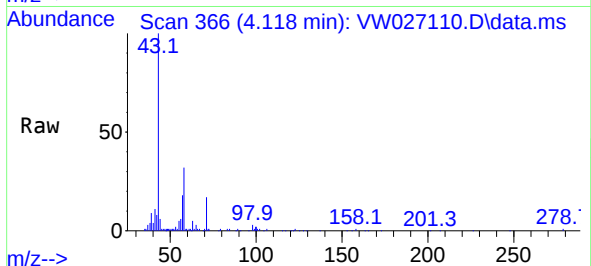




#13
Acetone
Concen: 16.477 ug/L
RT: 4.118 min Scan# 30
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

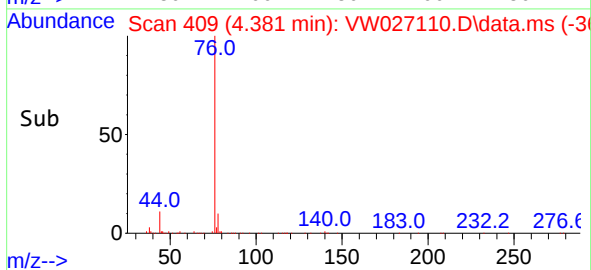
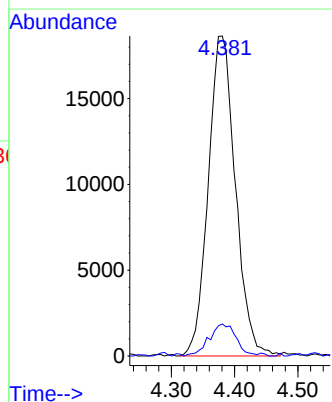
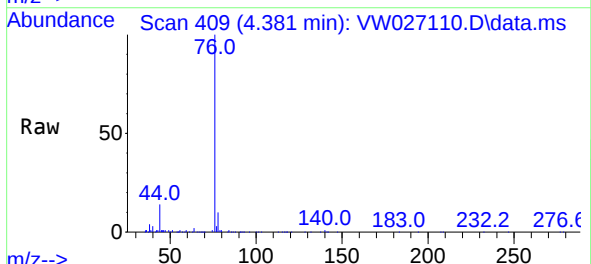
Instrument :
MSVOA_W
ClientSampleId :

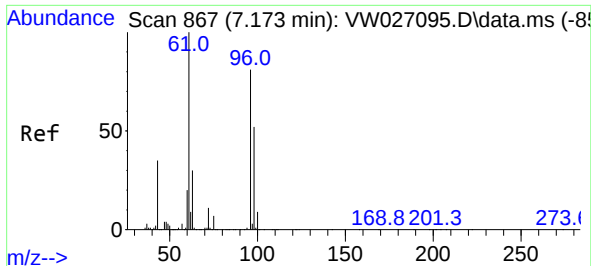
Tgt Ion: 43 Resp: 43435
Ion Ratio Lower Upper
43 100
58 31.6 0.0 66.4



#14
Carbon disulfide
Concen: 1.402 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.012 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

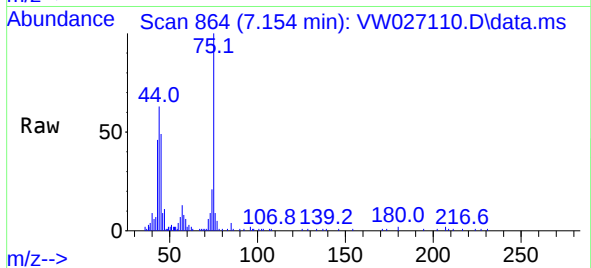
Tgt Ion: 76 Resp: 55563
Ion Ratio Lower Upper
76 100
78 10.0 7.8 11.8



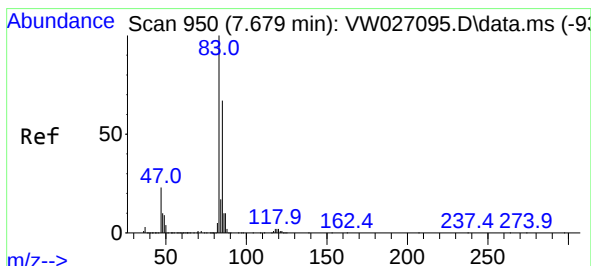
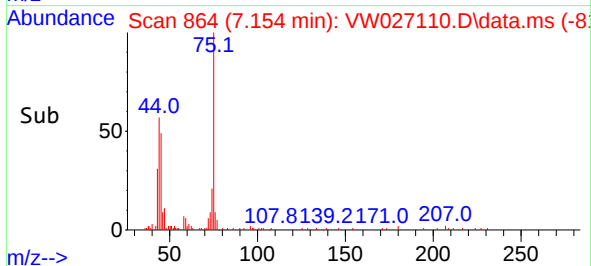
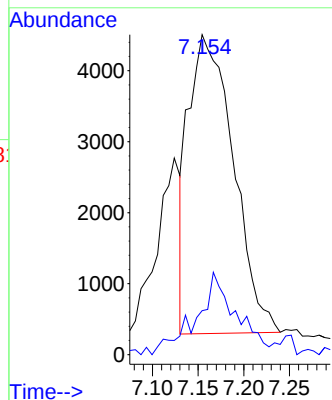


#22
2-Butanone
Concen: 3.387 ug/L
RT: 7.154 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Instrument :
MSVOA_W
ClientSampleId :

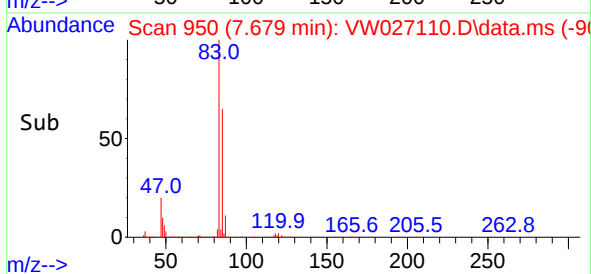
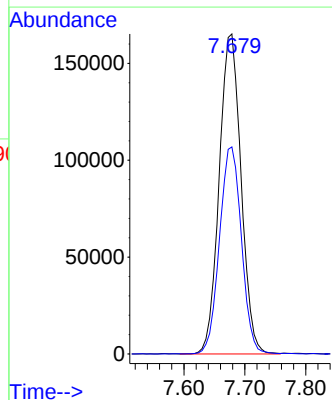
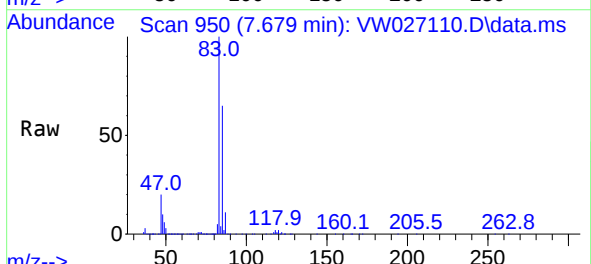


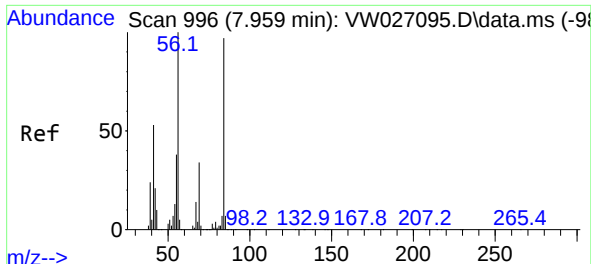
Tgt Ion: 43 Resp: 14365
Ion Ratio Lower Upper
43 100
72 19.8 14.4 43.0



#25
Chloroform
Concen: 16.447 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Tgt Ion: 83 Resp: 411256
Ion Ratio Lower Upper
83 100
85 64.7 47.3 87.9





#29

Cyclohexane

Concen: 5.462 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW027110.D

Acq: 14 Sep 2023 18:16

Instrument :

MSVOA_W

ClientSampleId :

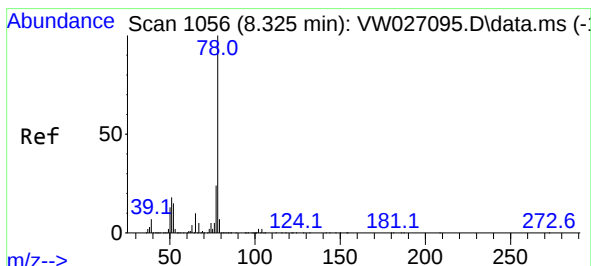
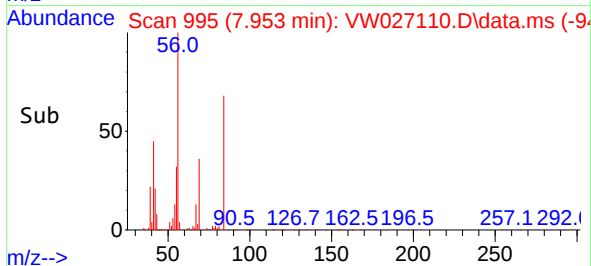
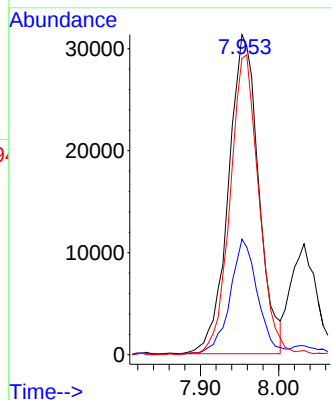
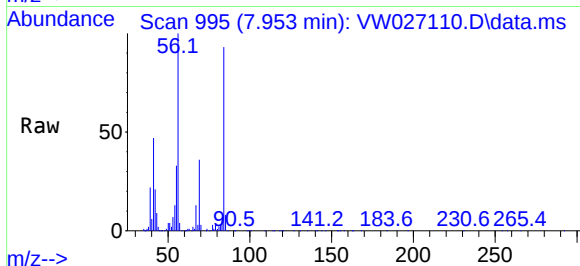
Tgt Ion: 56 Resp: 83971

Ion Ratio Lower Upper

56 100

69 31.8 24.8 37.2

84 88.6 68.2 102.4



#33

Benzene

Concen: 3.269 ug/L

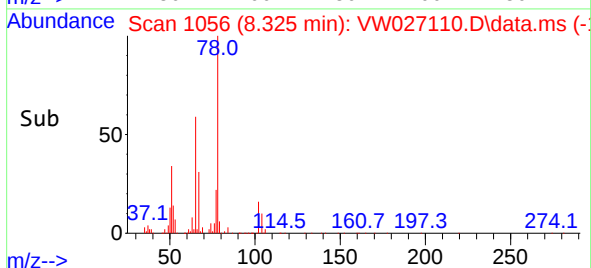
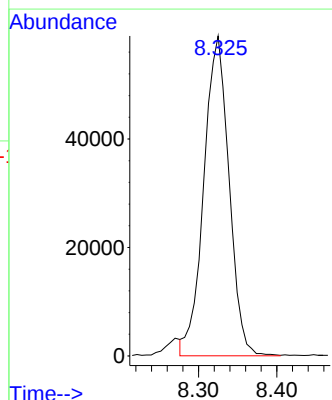
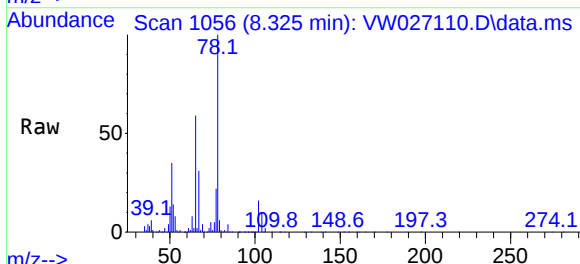
RT: 8.325 min Scan# 1056

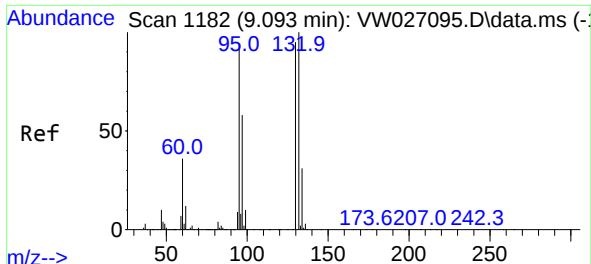
Delta R.T. -0.000 min

Lab File: VW027110.D

Acq: 14 Sep 2023 18:16

Tgt Ion: 78 Resp: 131801



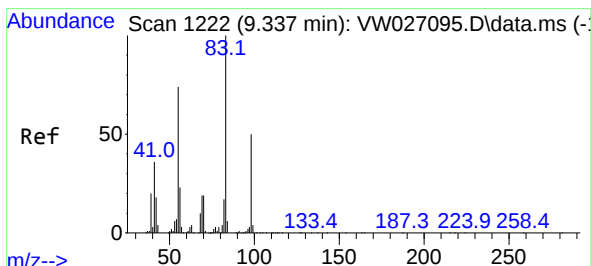
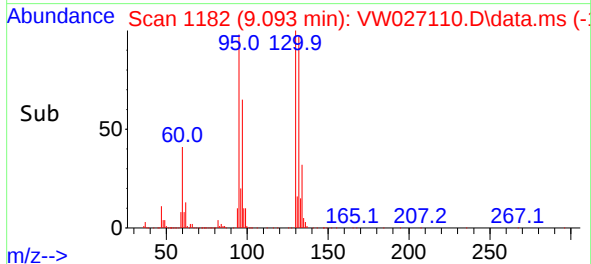
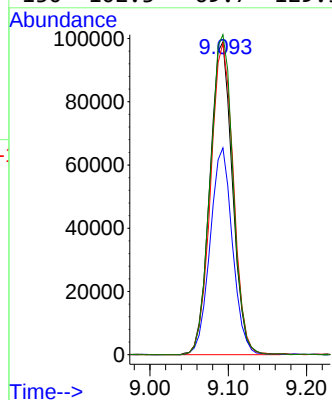
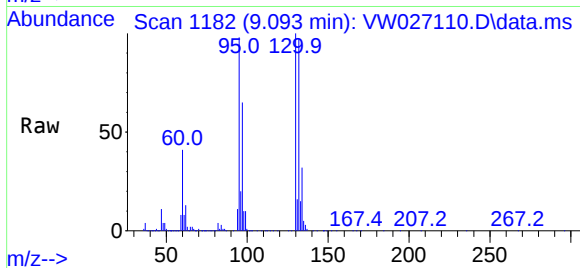


#34
Trichloroethene
Concen: 19.100 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 95 Resp: 197887

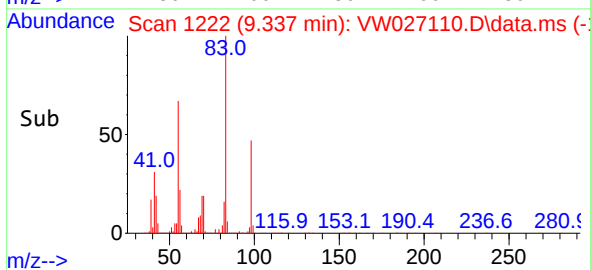
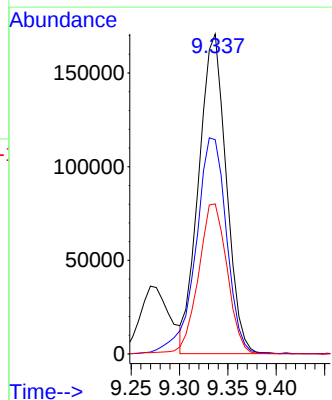
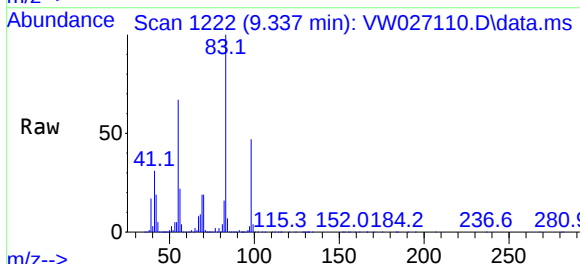
Ion	Ratio	Lower	Upper
95	100		
97	66.1	42.4	78.8
132	99.6	63.1	117.3
130	102.3	69.7	129.5

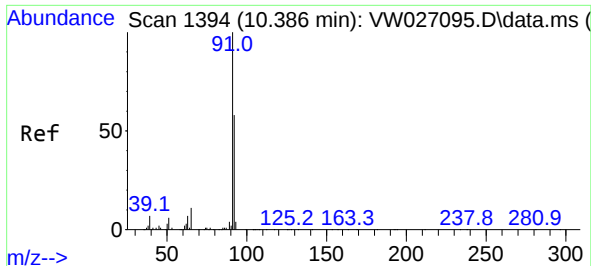


#35
Methylcyclohexane
Concen: 19.178 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Tgt Ion: 83 Resp: 337587

Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.7	92.5
98	49.5	38.3	57.5

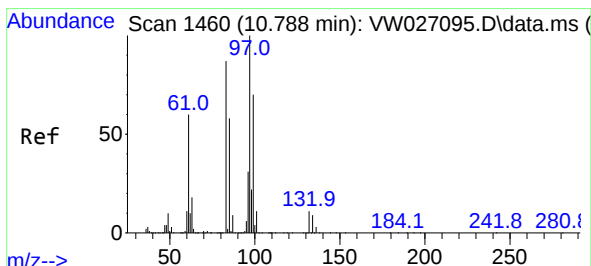
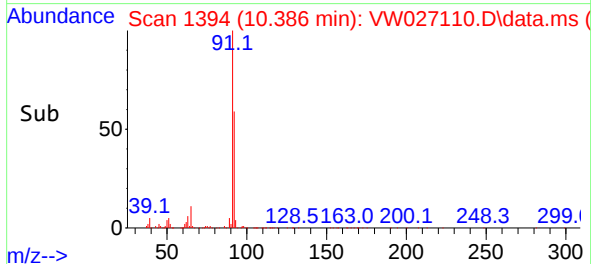
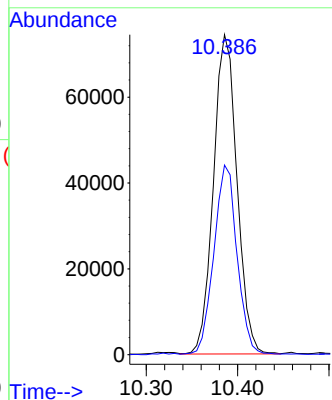
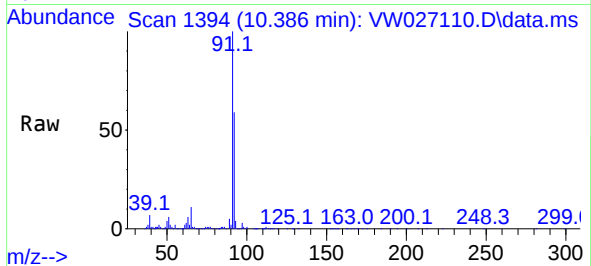




#42
Toluene
Concen: 3.206 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

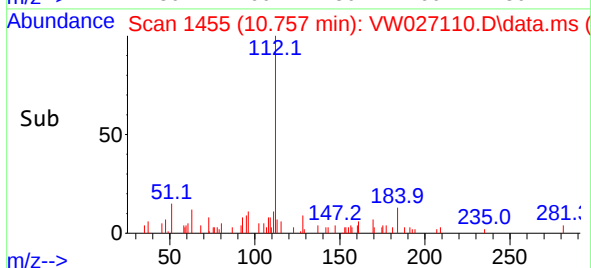
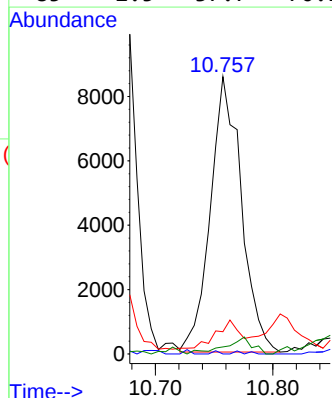
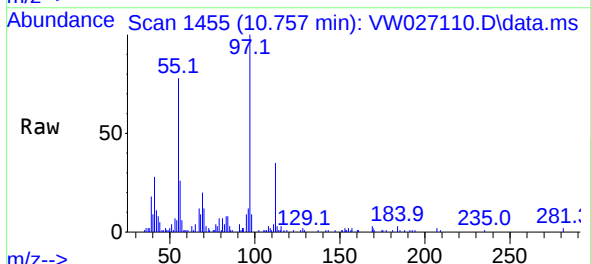
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MSVOA_W
ClientSampleId :

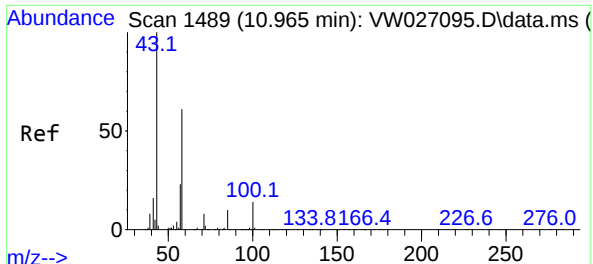
Tgt Ion: 91 Resp: 133049
Ion Ratio Lower Upper
91 100
92 59.2 41.6 77.2



#45
1,1,2-Trichloroethane
Concen: 2.111 ug/L
RT: 10.757 min Scan# 1455
Delta R.T. -0.031 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Tgt Ion: 97 Resp: 15647
Ion Ratio Lower Upper
97 100
99 0.0 44.7 82.9#
83 8.0 60.9 113.1#
85 2.5 37.7 70.1#

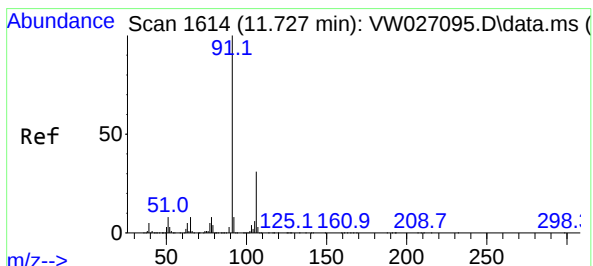
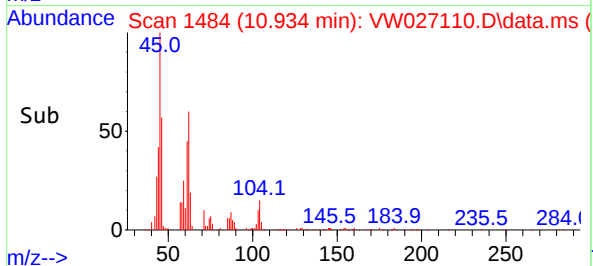
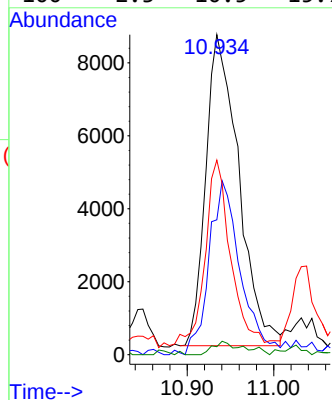
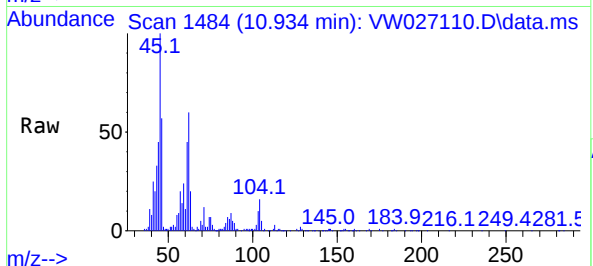




#48
2-Hexanone
Concen: 6.217 ug/L
RT: 10.934 min Scan# 1489
Delta R.T. -0.031 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

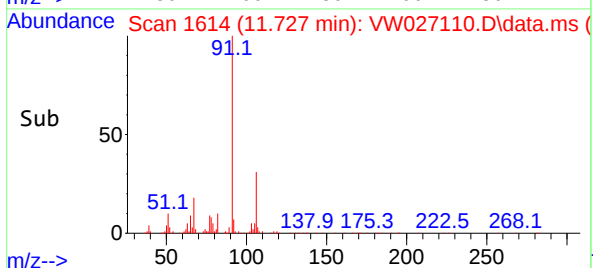
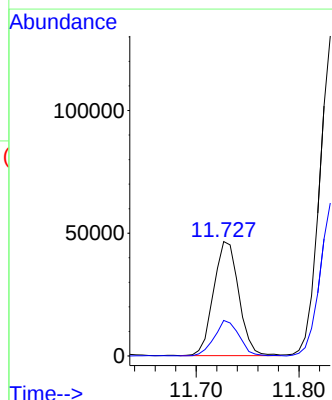
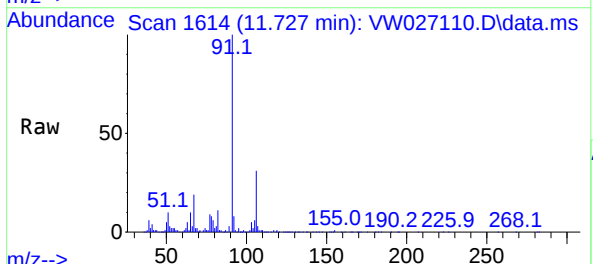
Instrument :
MSVOA_W
ClientSampleId :

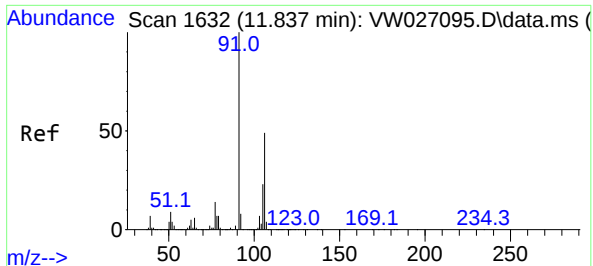
Tgt Ion: 43	Resp: 22507
Ion Ratio	Lower Upper
43 100	
58 53.1	47.5 71.3
57 38.8	15.2 22.8#
100 2.3	10.5 15.7#



#52
Ethylbenzene
Concen: 1.722 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Tgt Ion: 91	Resp: 79235
Ion Ratio	Lower Upper
91 100	
106 31.1	21.1 39.3

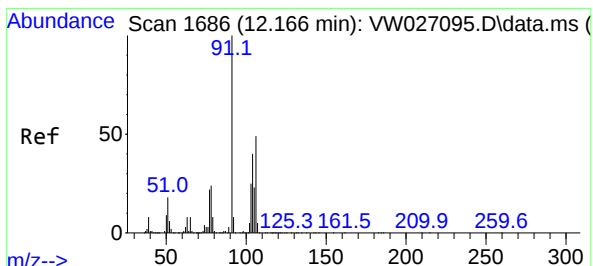
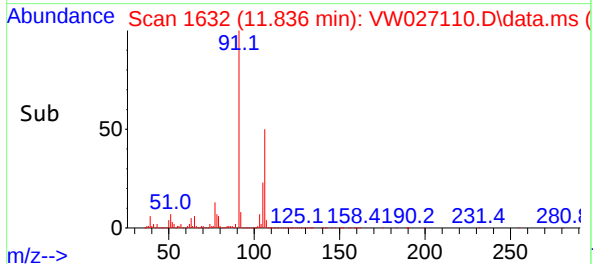
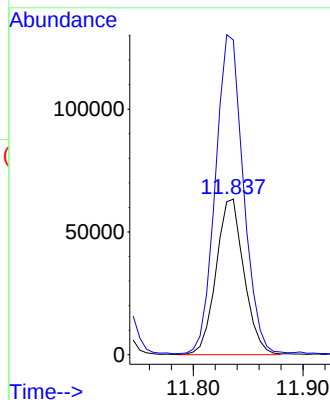
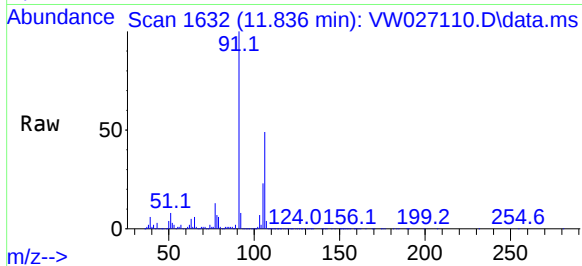




#53
m,p-Xylene
Concen: 6.444 ug/L
RT: 11.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

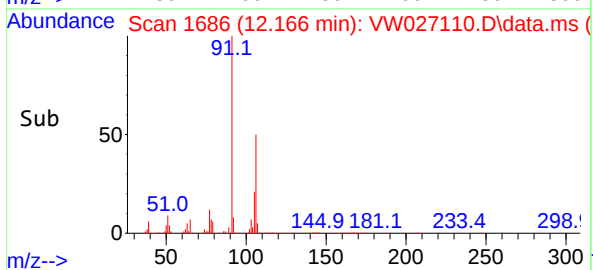
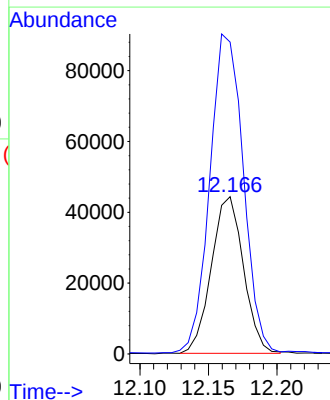
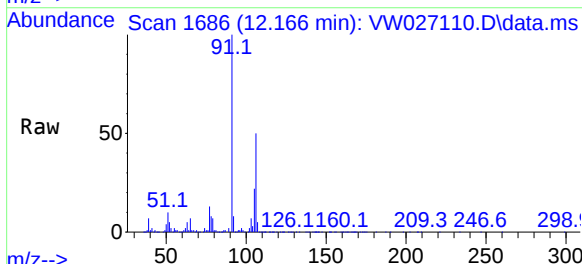
Instrument :
MSVOA_W
ClientSampleId :

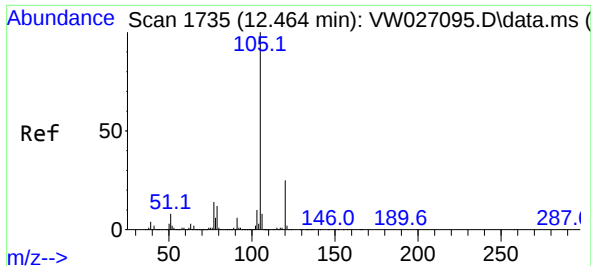
Tgt Ion:106 Resp: 112134
Ion Ratio Lower Upper
106 100
91 202.3 139.6 259.2



#54
o-Xylene
Concen: 4.428 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Tgt Ion:106 Resp: 72097
Ion Ratio Lower Upper
106 100
91 198.2 154.0 286.0

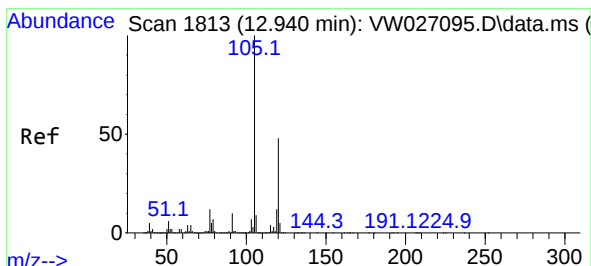
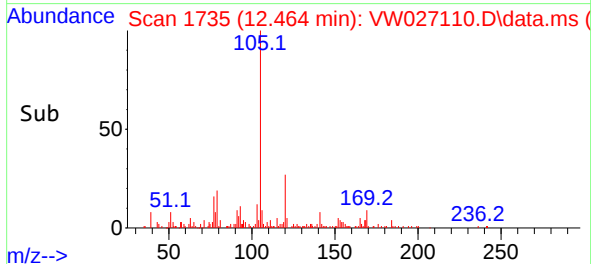
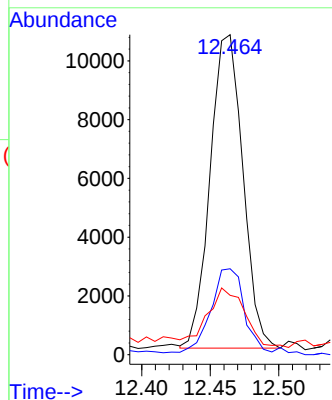
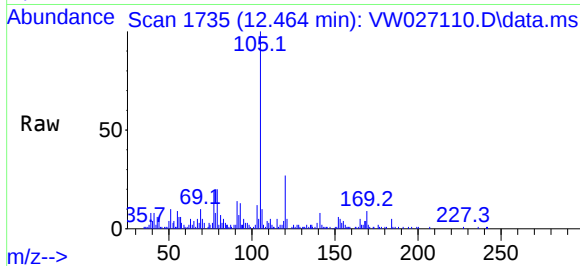




#60
Isopropylbenzene
Concen: 0.760 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. 0.006 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

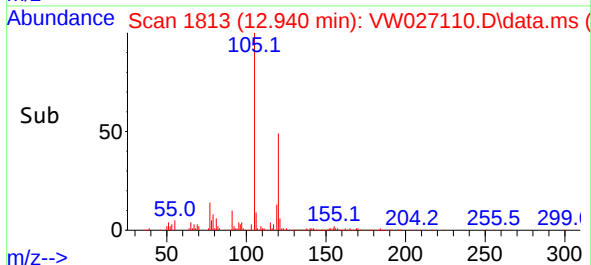
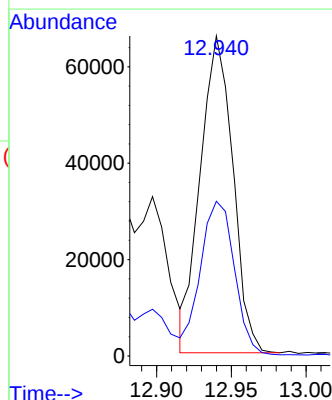
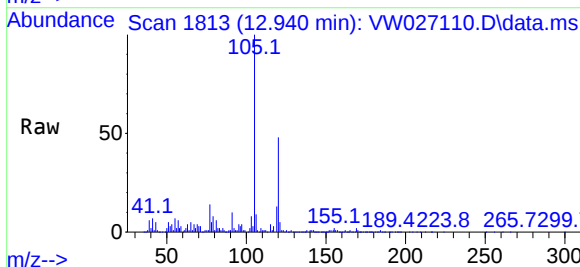
Instrument :
MSVOA_W
ClientSampleId :

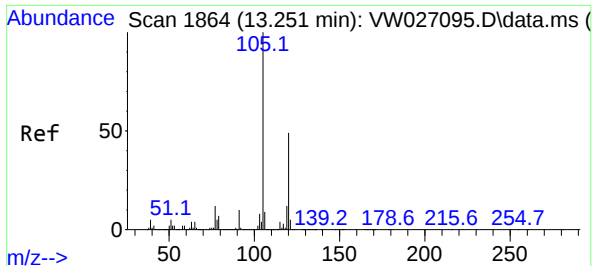
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.4	32.0
77	19.9	12.8	19.2



#62
1,3,5-Trimethylbenzene
Concen: 5.341 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.2	39.0	58.6

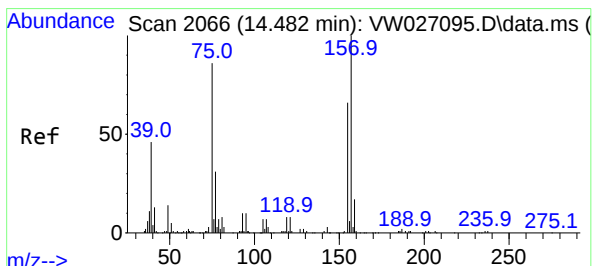
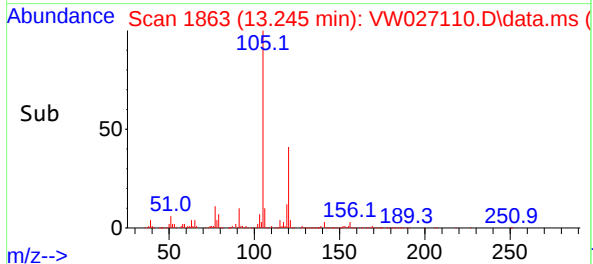
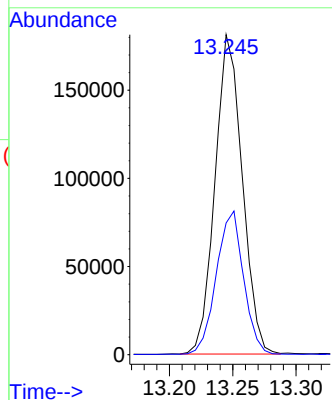
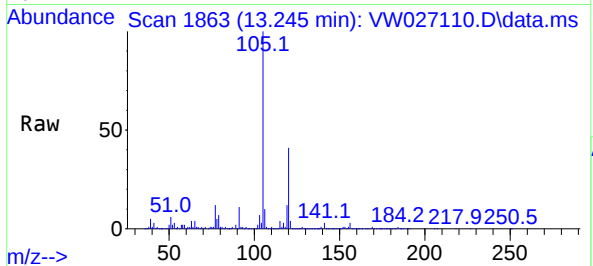




#63
1,2,4-Trimethylbenzene
Concen: 14.923 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

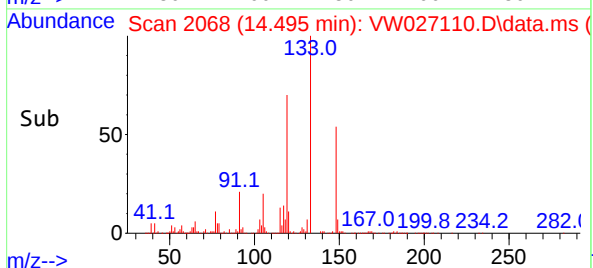
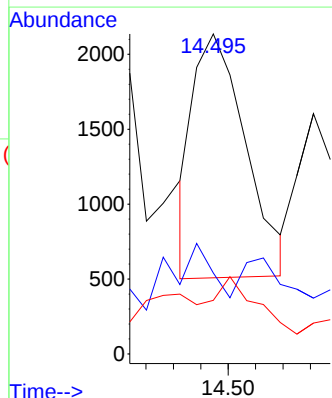
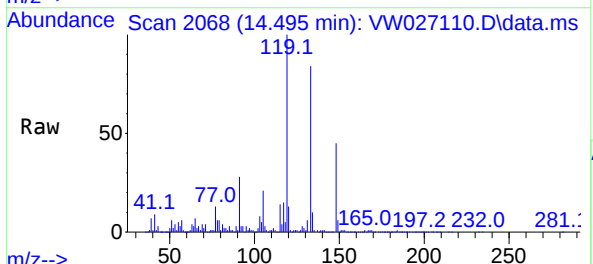
Instrument :
MSVOA_W
ClientSampleId :

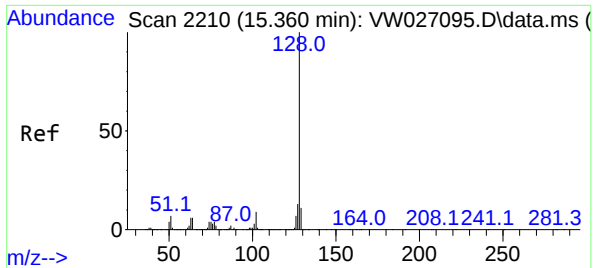
Tgt Ion:105 Resp: 271406
Ion Ratio Lower Upper
105 100
120 44.8 36.3 54.5



#68
1,2-Dibromo-3-chloropropane
Concen: 2.937 ug/L
RT: 14.495 min Scan# 2068
Delta R.T. 0.012 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

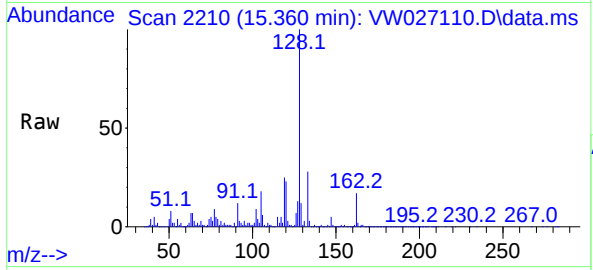
Tgt Ion: 75 Resp: 2168
Ion Ratio Lower Upper
75 100
155 25.3 65.9 98.9#
157 16.8 68.7 103.1#





#71
Naphthalene
Concen: 34.222 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW027110.D
Acq: 14 Sep 2023 18:16

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 363228

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.9	16.3
129	10.1	8.9	13.3

