

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090723\
 Data File : VW026999.D
 Acq On : 07 Sep 2023 13:00
 Operator : SY/MD
 Sample : 04330-02
 Misc : 5.45g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 08 01:33:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 08 01:32:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	630862	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	459646	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	132080	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	175151	15.540	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.160%
7) Chloroethane-d5	2.899	69	158909	17.470	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.880%
11) 1,1-Dichloroethene-d2	4.021	65	64194	15.455	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.800%
21) 2-Butanone-d5	7.075	46	121505	55.950	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.900%
24) Chloroform-d	7.654	84	347689	18.521	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.080%
26) 1,2-Dichloroethane-d4	8.307	65	192338	19.493	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	77.960%
32) Benzene-d6	8.276	84	705852	23.412	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.640%
36) 1,2-Dichloropropane-d6	9.276	67	233651	26.398	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.600%
41) Toluene-d8	10.325	98	503676	18.452	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	10.581	79	75177	21.887	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.560%
47) 2-Hexanone-d5	10.922	63	60824	73.608	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	147.220%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	164185	23.903	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	13.854	152	97232	21.285	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.120%
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	59365	31.220	ug/L	94
14) Carbon disulfide	4.387	76	160650	5.619	ug/L	100
22) 2-Butanone	7.179	43	19596	6.405	ug/L	85
25) Chloroform	7.685	83	17195	0.953	ug/L	99
29) Cyclohexane	7.929	56	50562	4.219	ug/L #	68
33) Benzene	8.319	78	72296	2.300	ug/L	100
42) Toluene	10.386	91	545324	16.857	ug/L	97
45) 1,1,2-Trichloroethane	10.757	97	7867	1.361	ug/L #	27
48) 2-Hexanone	10.928	43	15772	5.588	ug/L #	40
52) Ethylbenzene	11.727	91	130349	3.635	ug/L	97
53) m,p-Xylene	11.837	106	264897	19.527	ug/L	91
54) o-Xylene	12.160	106	235823	18.578	ug/L	93
55) Styrene	12.166	104	15762	0.728	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.733	83	5525	0.808	ug/L #	45
60) Isopropylbenzene	12.867	105	355381	19.641	ug/L	93
62) 1,3,5-Trimethylbenzene	12.940	105	298771	20.693	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	589368	41.753	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.452	75	3353	5.852	ug/L #	22
71) Naphthalene	15.360	128	2816976	341.965	ug/L	100

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM090523SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Sep 08 01:32:52 2023
Response via : Initial Calibration

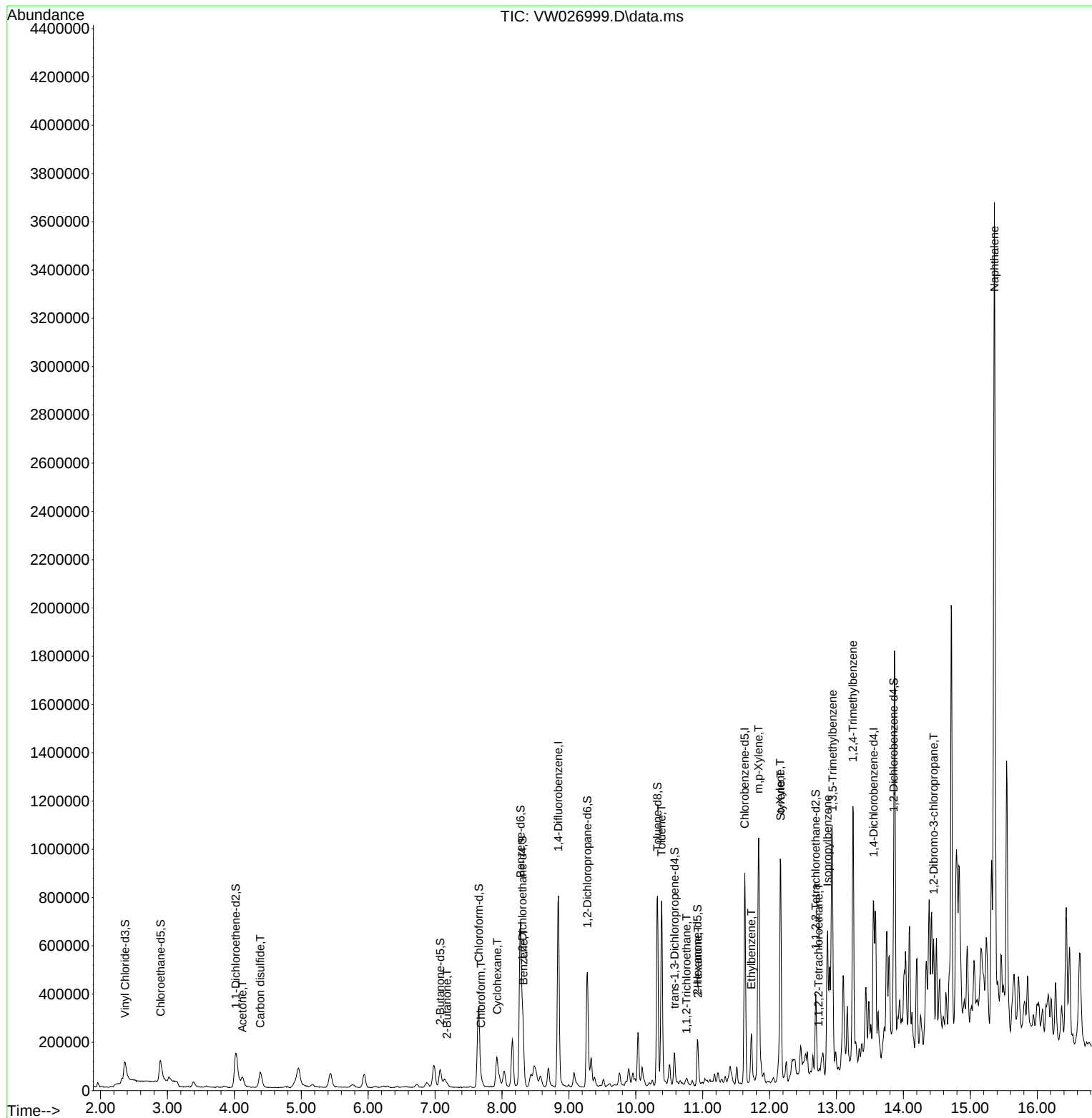
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

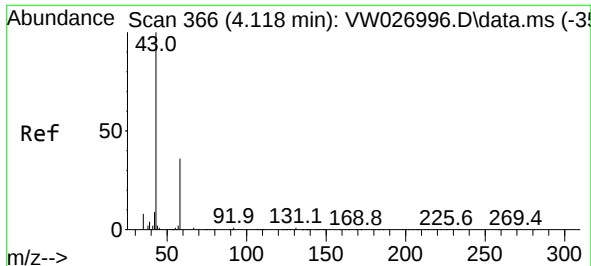
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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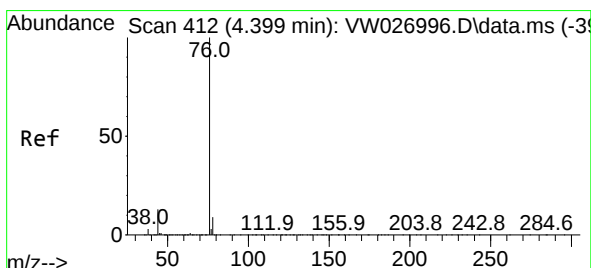
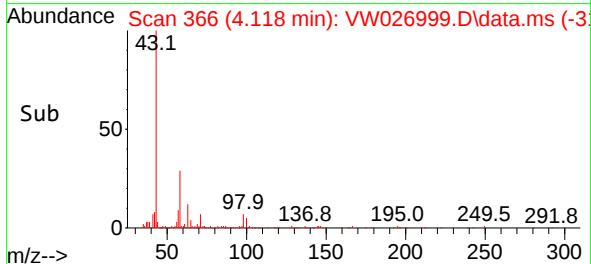
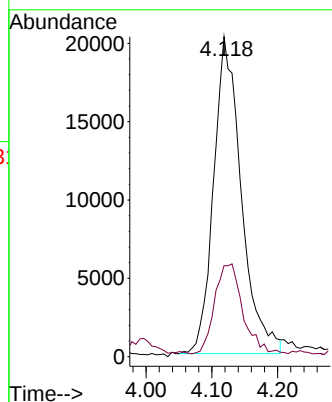
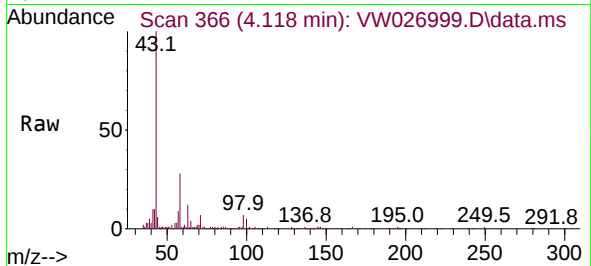




#13
Acetone
Concen: 31.220 ug/L
RT: 4.118 min Scan# 30
Delta R.T. -0.000 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

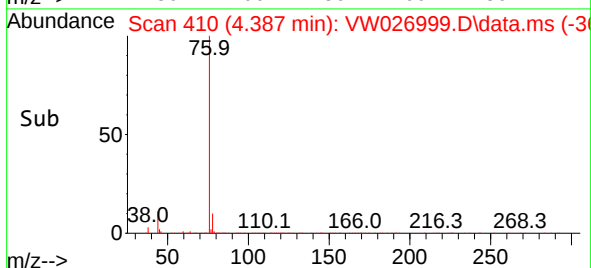
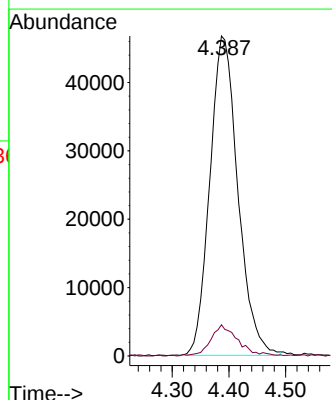
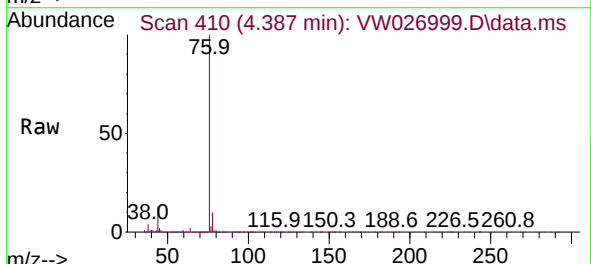
Instrument :
MSVOA_W
ClientSampleId :

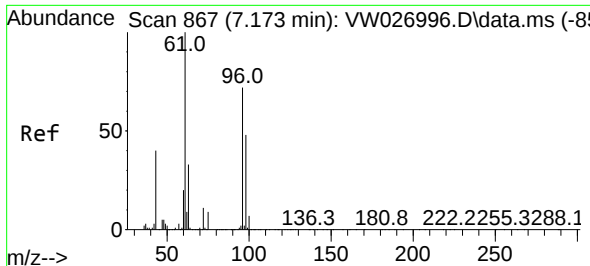
Tgt Ion: 43 Resp: 59365
Ion Ratio Lower Upper
43 100
58 29.7 0.0 66.4



#14
Carbon disulfide
Concen: 5.619 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.012 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

Tgt Ion: 76 Resp: 160650
Ion Ratio Lower Upper
76 100
78 9.8 7.8 11.8

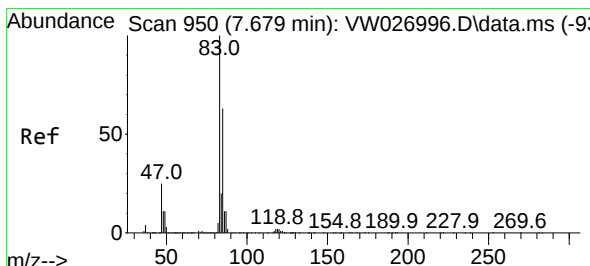
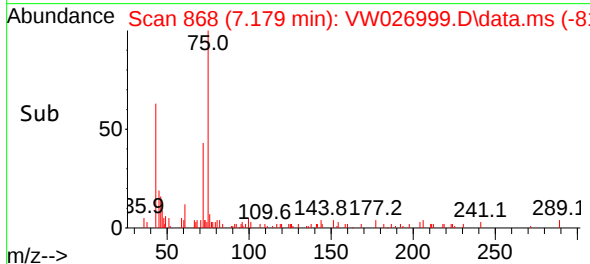
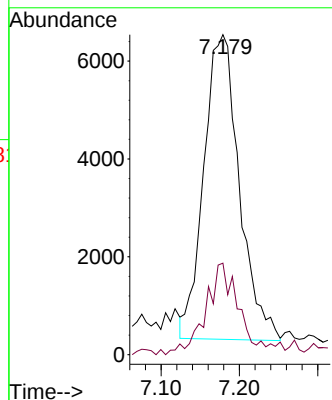
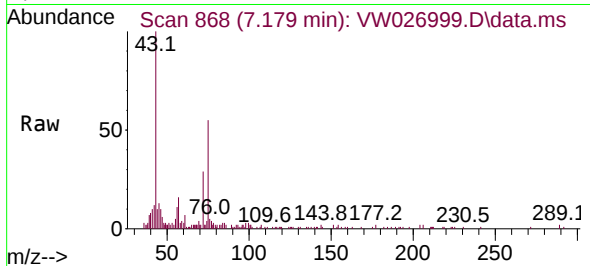




#22
2-Butanone
Concen: 6.405 ug/L
RT: 7.179 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

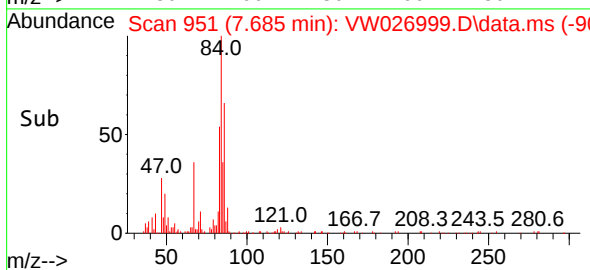
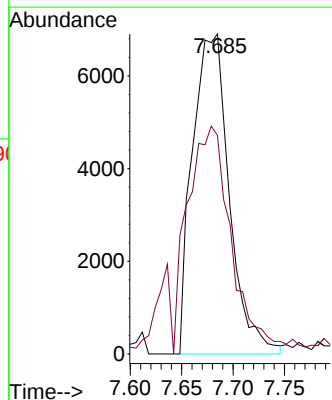
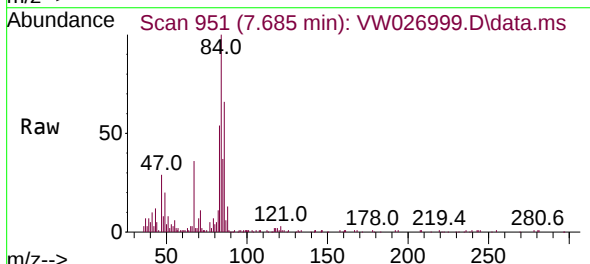
Instrument :
MSVOA_W
ClientSampleId :

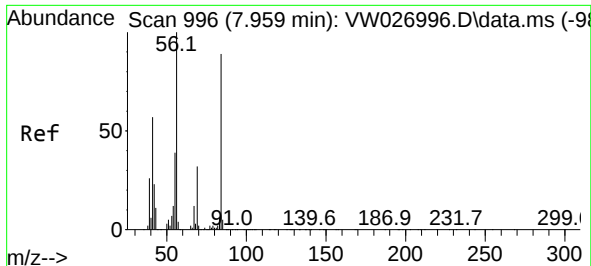
Tgt Ion: 43 Resp: 19596
Ion Ratio Lower Upper
43 100
72 20.8 14.4 43.0



#25
Chloroform
Concen: 0.953 ug/L
RT: 7.685 min Scan# 951
Delta R.T. 0.006 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

Tgt Ion: 83 Resp: 17195
Ion Ratio Lower Upper
83 100
85 68.3 47.3 87.9





#29

Cyclohexane

Concen: 4.219 ug/L

RT: 7.929 min Scan# 991

Delta R.T. -0.031 min

Lab File: VW026999.D

Acq: 07 Sep 2023 13:00

Instrument :

MSVOA_W

ClientSampleId :

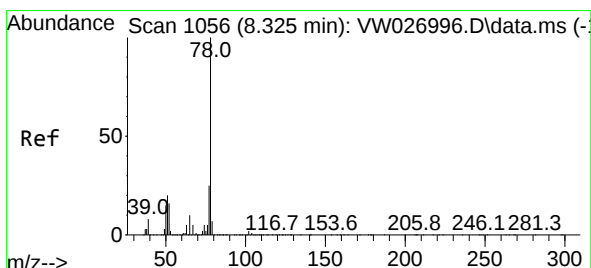
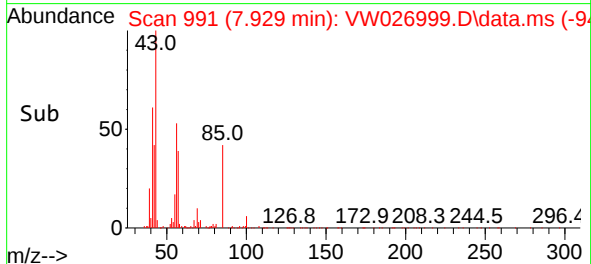
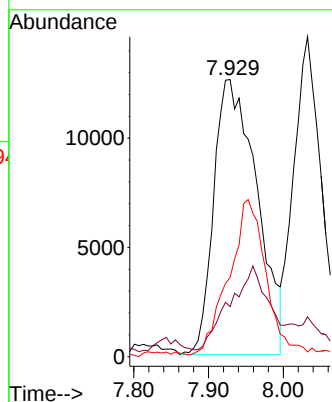
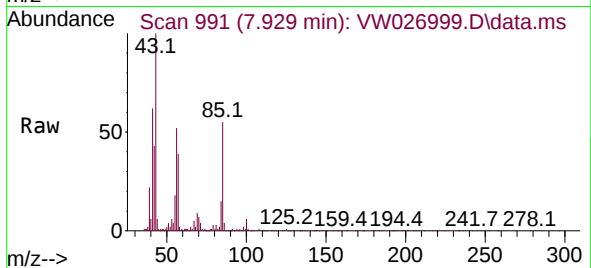
Tgt Ion: 56 Resp: 50562

Ion Ratio Lower Upper

56 100

69 27.5 24.8 37.2

84 47.2 68.2 102.4



#33

Benzene

Concen: 2.300 ug/L

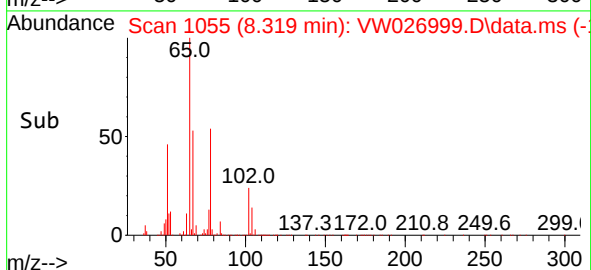
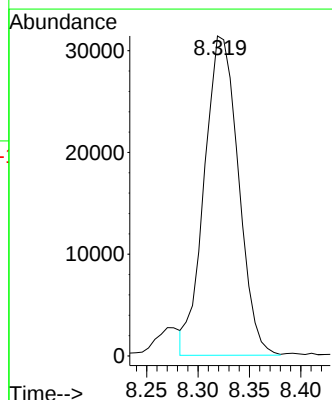
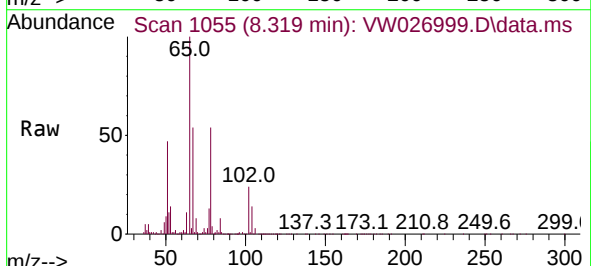
RT: 8.319 min Scan# 1055

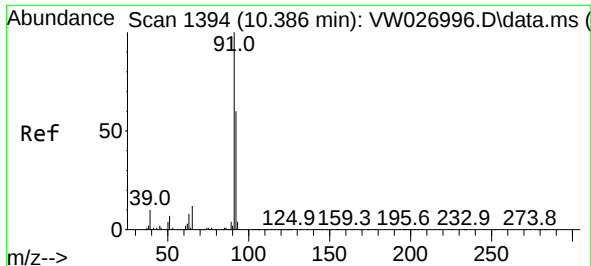
Delta R.T. -0.006 min

Lab File: VW026999.D

Acq: 07 Sep 2023 13:00

Tgt Ion: 78 Resp: 72296

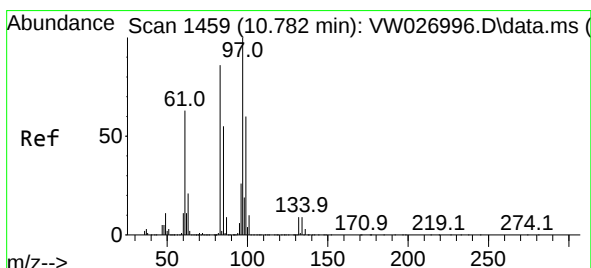
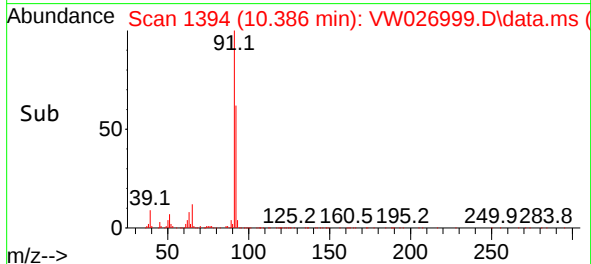
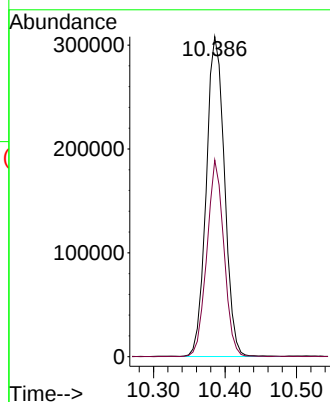
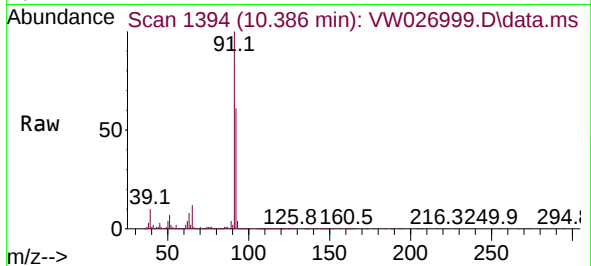




#42
Toluene
Concen: 16.857 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

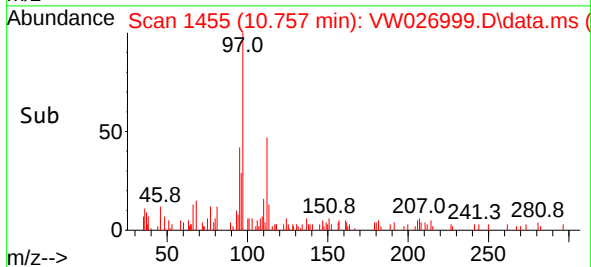
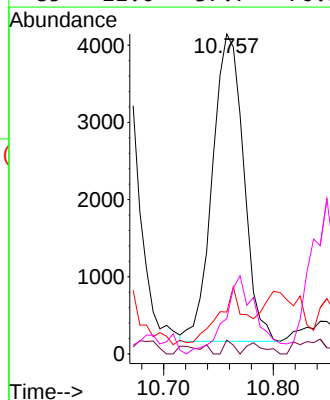
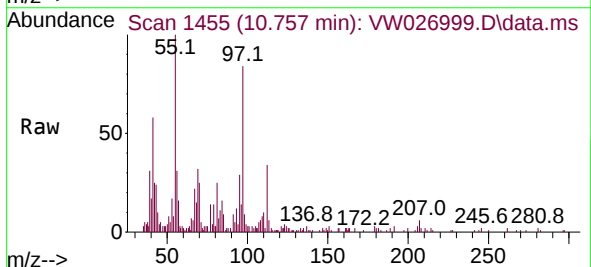
Instrument :
MSVOA_W
ClientSampleId :

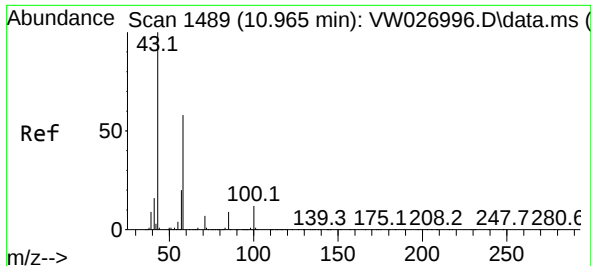
Tgt Ion: 91 Resp: 545324
Ion Ratio Lower Upper
91 100
92 61.4 41.6 77.2



#45
1,1,2-Trichloroethane
Concen: 1.361 ug/L
RT: 10.757 min Scan# 1455
Delta R.T. -0.024 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

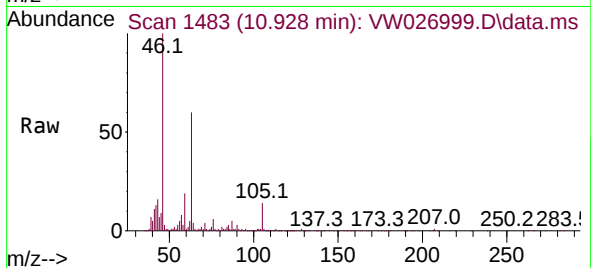
Tgt Ion: 97 Resp: 7867
Ion Ratio Lower Upper
97 100
99 4.3 44.7 82.9#
83 13.1 60.9 113.1#
85 11.0 37.7 70.1#



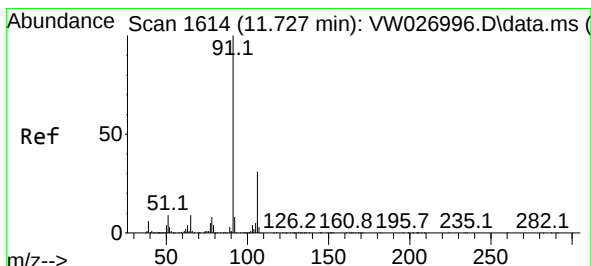
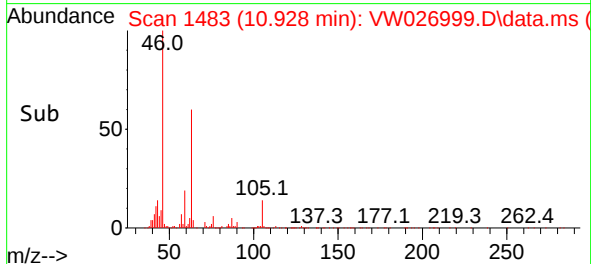
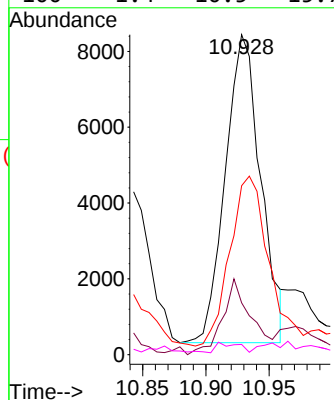


#48
2-Hexanone
Concen: 5.588 ug/L
RT: 10.928 min Scan# 1483
Delta R.T. -0.037 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

Instrument :
MSVOA_W
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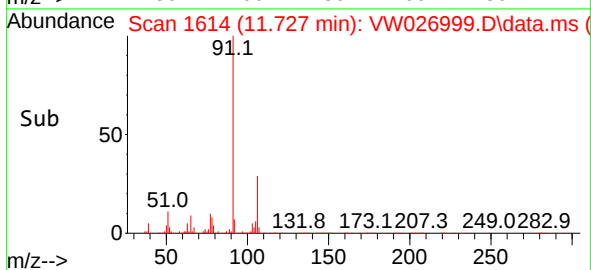
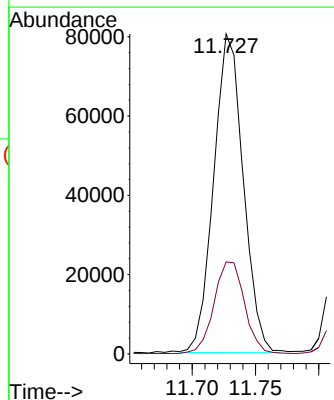
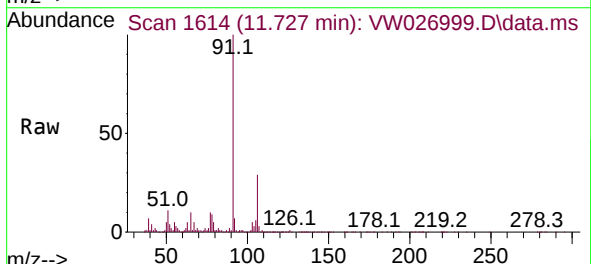


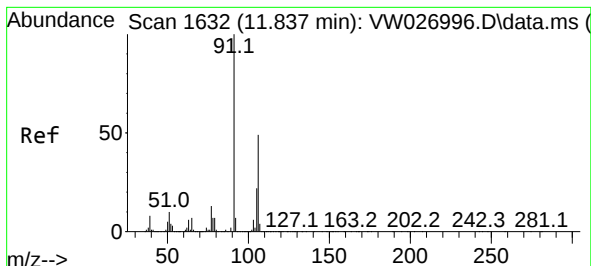
Tgt Ion: 43	Resp: 15772
Ion Ratio	Lower Upper
43 100	
58 16.8	47.5 71.3#
57 60.7	15.2 22.8#
100 1.4	10.5 15.7#



#52
Ethylbenzene
Concen: 3.635 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

Tgt Ion: 91	Resp: 130349
Ion Ratio	Lower Upper
91 100	
106 28.8	21.1 39.3

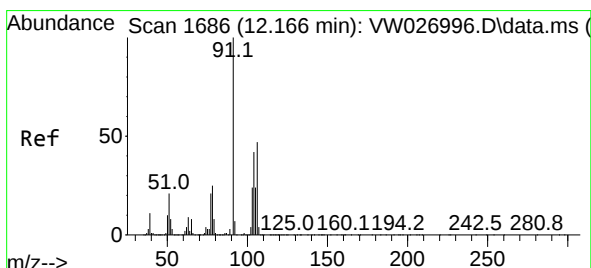
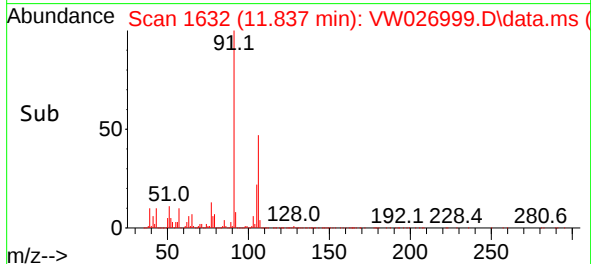
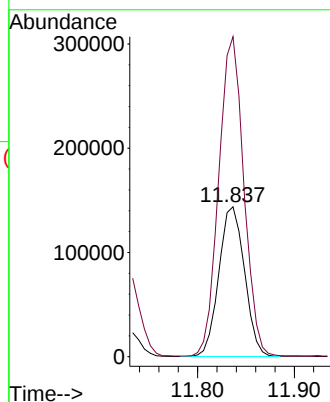
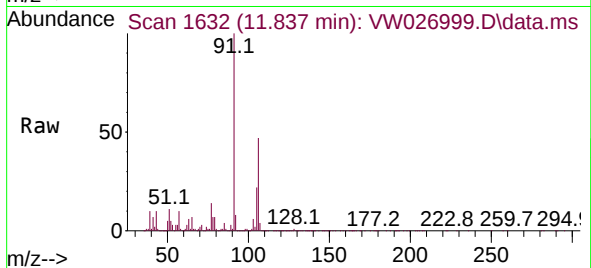




#53
m,p-Xylene
Concen: 19.527 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

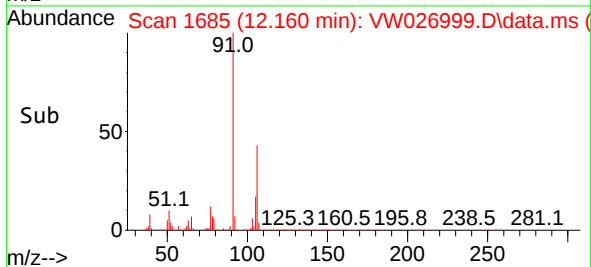
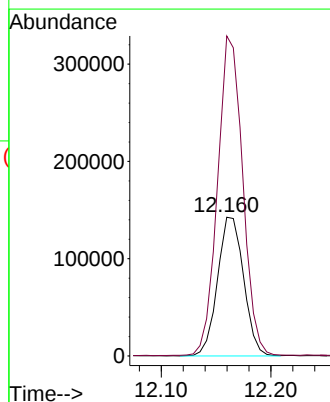
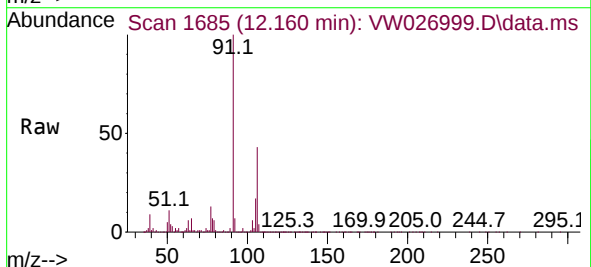
Instrument :
MSVOA_W
ClientSampleId :

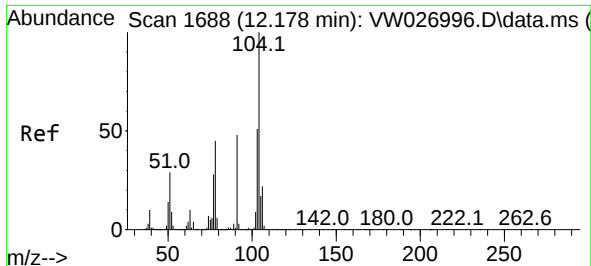
Tgt Ion:106 Resp: 264897
Ion Ratio Lower Upper
106 100
91 213.5 139.6 259.2



#54
o-Xylene
Concen: 18.578 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

Tgt Ion:106 Resp: 235823
Ion Ratio Lower Upper
106 100
91 230.5 154.0 286.0

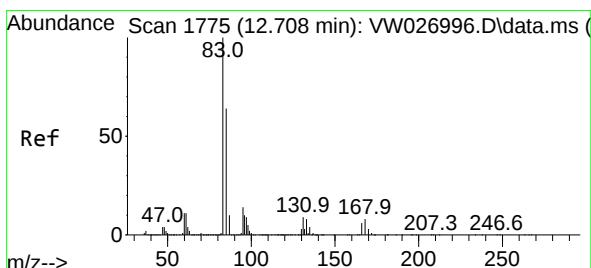
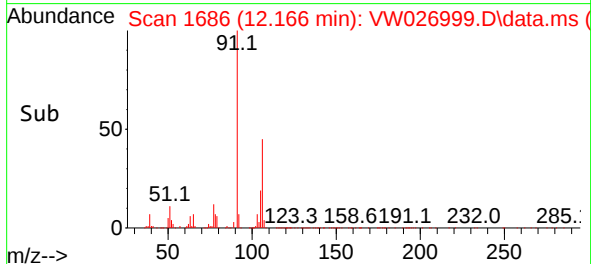
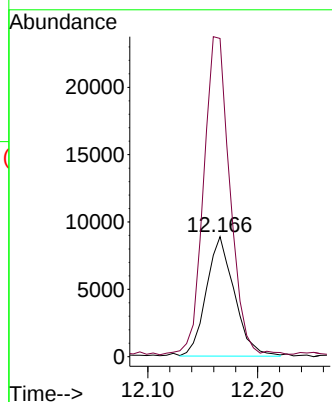
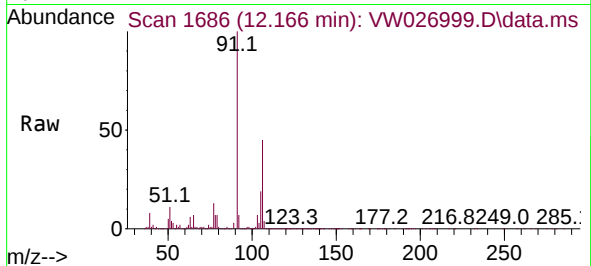




#55
Styrene
Concen: 0.728 ug/L
RT: 12.166 min Scan# 1
Delta R.T. -0.012 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

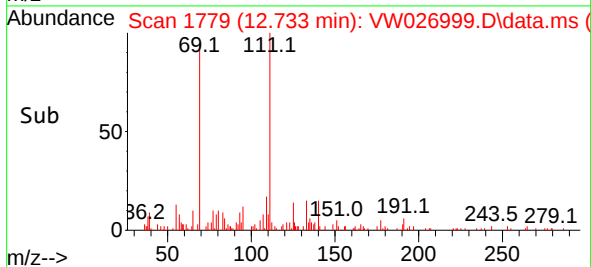
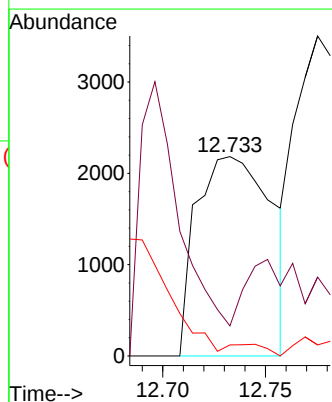
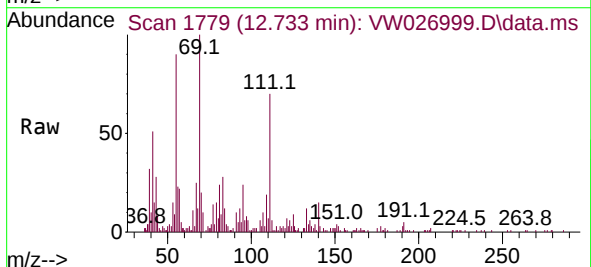
Instrument :
MSVOA_W
ClientSampleId :

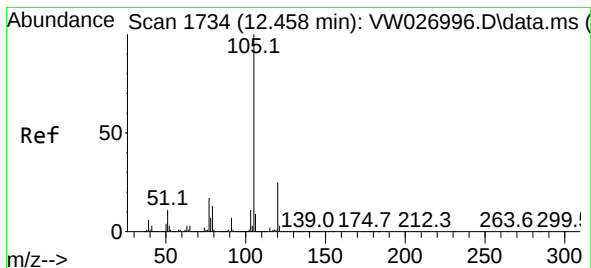
Tgt Ion:104 Resp: 15762
Ion Ratio Lower Upper
104 100
78 265.0 35.2 65.4#



#57
1,1,2,2-Tetrachloroethane
Concen: 0.808 ug/L
RT: 12.733 min Scan# 1779
Delta R.T. 0.024 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

Tgt Ion: 83 Resp: 5525
Ion Ratio Lower Upper
83 100
85 15.1 44.1 81.9#
131 5.5 7.2 10.8#





#60

Isopropylbenzene

Concen: 19.641 ug/L

RT: 12.867 min Scan# 1

Delta R.T. 0.408 min

Lab File: VW026999.D

Acq: 07 Sep 2023 13:00

Instrument :

MSVOA_W

ClientSampleId :

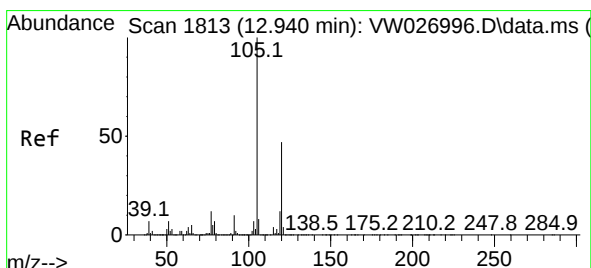
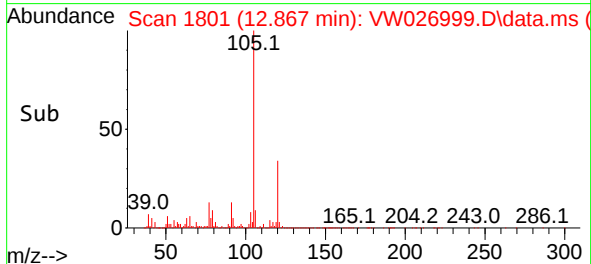
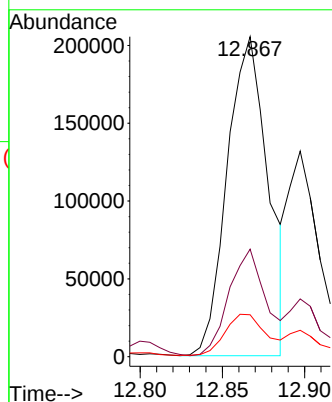
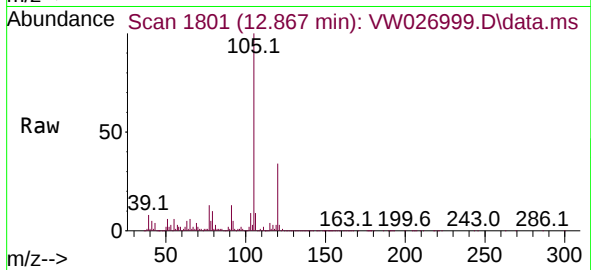
Tgt Ion:105 Resp: 355381

Ion Ratio Lower Upper

105 100

120 30.3 21.4 32.0

77 12.9 12.8 19.2



#62

1,3,5-Trimethylbenzene

Concen: 20.693 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026999.D

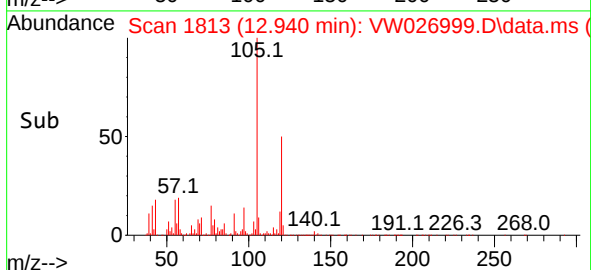
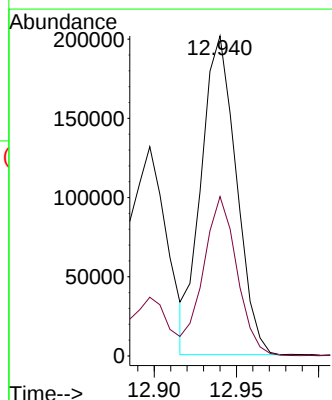
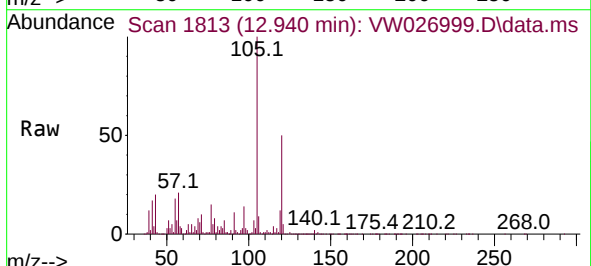
Acq: 07 Sep 2023 13:00

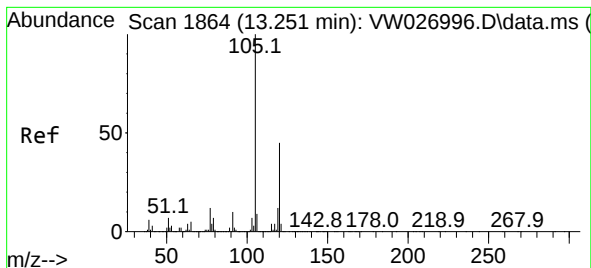
Tgt Ion:105 Resp: 298771

Ion Ratio Lower Upper

105 100

120 47.7 39.0 58.6

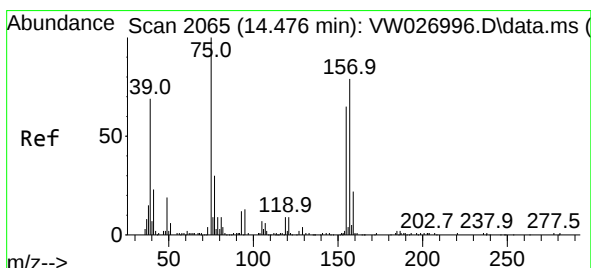
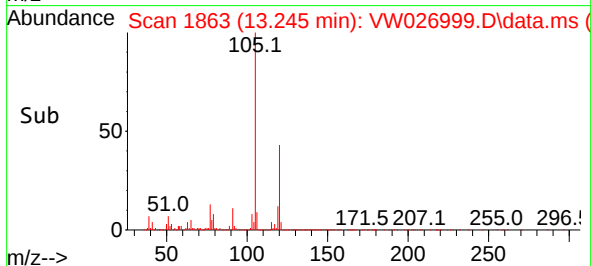
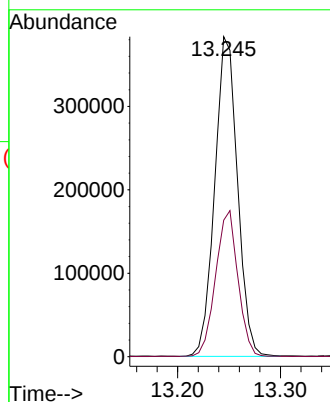
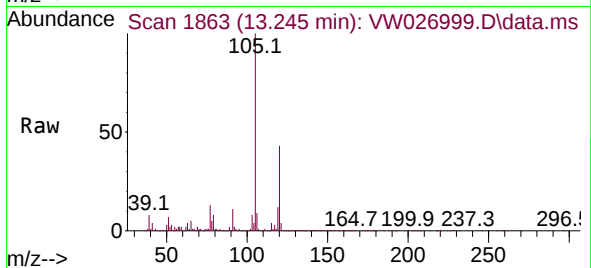




#63
1,2,4-Trimethylbenzene
Concen: 41.753 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.006 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

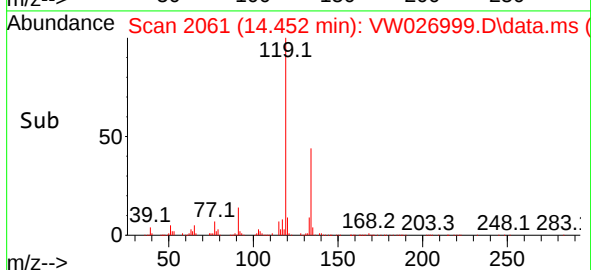
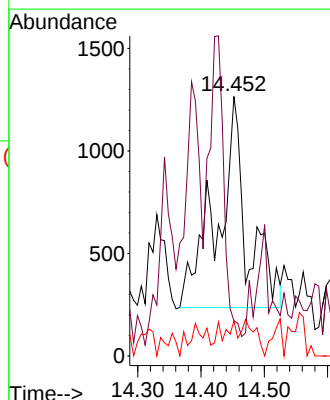
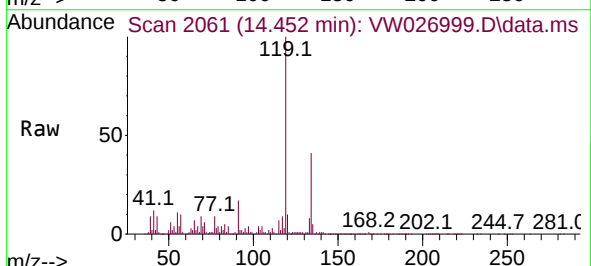
Instrument :
MSVOA_W
ClientSampleId :

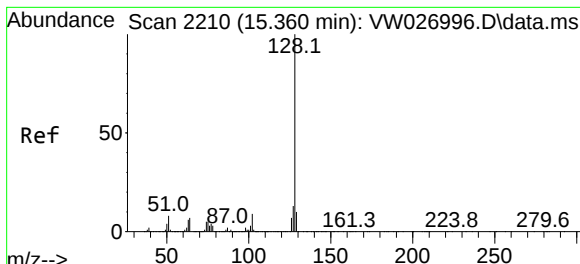
Tgt Ion:105 Resp: 589368
Ion Ratio Lower Upper
105 100
120 44.7 36.3 54.5



#68
1,2-Dibromo-3-chloropropane
Concen: 5.852 ug/L
RT: 14.452 min Scan# 2061
Delta R.T. -0.024 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

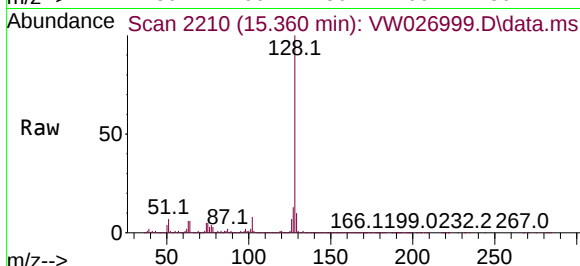
Tgt Ion: 75 Resp: 3353
Ion Ratio Lower Upper
75 100
155 13.5 65.9 98.9#
157 13.5 68.7 103.1#





#71
Naphthalene
Concen: 341.965 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW026999.D
Acq: 07 Sep 2023 13:00

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 2816976
Ion Ratio Lower Upper
128 100
127 13.5 10.9 16.3
129 10.9 8.9 13.3

