

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082123\
 Data File : VW026786.D
 Acq On : 21 Aug 2023 12:52
 Operator : SY/MD
 Sample : 04037-14RE
 Misc : 4.45g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 22 01:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Aug 22 01:31:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	589543	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	370403	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	109714	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	123040	12.696	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	50.800%
7) Chloroethane-d5	2.893	69	113268	15.717	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	62.880%
11) 1,1-Dichloroethene-d2	4.021	65	71433	14.986	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.960%
21) 2-Butanone-d5	7.075	46	164664	59.115	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.220%
24) Chloroform-d	7.648	84	392749	19.849	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.400%
26) 1,2-Dichloroethane-d4	8.307	65	233331	21.369	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.480%
32) Benzene-d6	8.276	84	757987	29.692	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.760%
36) 1,2-Dichloropropane-d6	9.270	67	258705	32.534	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	130.120%#
41) Toluene-d8	10.325	98	602362	27.488	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.960%
43) trans-1,3-Dichloroprop...	10.581	79	78769	23.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.960%
47) 2-Hexanone-d5	10.922	63	86049	102.986	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	205.980%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	177144	28.209	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.840%
66) 1,2-Dichlorobenzene-d4	13.848	152	89501	22.792	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.160%
Target Compounds						
					Qvalue	
13) Acetone	4.118	43	44424	16.040	ug/L	97
14) Carbon disulfide	4.387	76	140314	4.476	ug/L	98
16) Methylene chloride	4.923	84	26044	2.284	ug/L	96
22) 2-Butanone	7.179	43	12493	3.061	ug/L	77
29) Cyclohexane	7.959	56	157123	13.717	ug/L	95
35) Methylcyclohexane	9.337	83	718462	61.132	ug/L	95
37) 1,2-Dichloropropane	9.337	63	6857	0.928	ug/L #	1
38) Bromodichloromethane	9.611	83	10739	1.239	ug/L #	56
42) Toluene	10.386	91	23676	0.868	ug/L	93
45) 1,1,2-Trichloroethane	10.757	97	191351	37.869	ug/L #	20
48) 2-Hexanone	10.934	43	449405	137.426	ug/L #	27
52) Ethylbenzene	11.727	91	25375	0.829	ug/L	97
53) m,p-Xylene	11.830	106	28508	2.515	ug/L	95
54) o-Xylene	12.160	106	28009	2.647	ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.684	83	30299	4.735	ug/L #	71
60) Isopropylbenzene	12.464	105	80837	4.956	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.940	105	55575	4.310	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	81147	6.423	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.452	75	1115	1.738	ug/L #	22

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Quant Title : SFAM01.0
QLast Update : Tue Aug 22 01:31:05 2023
Response via : Initial Calibration

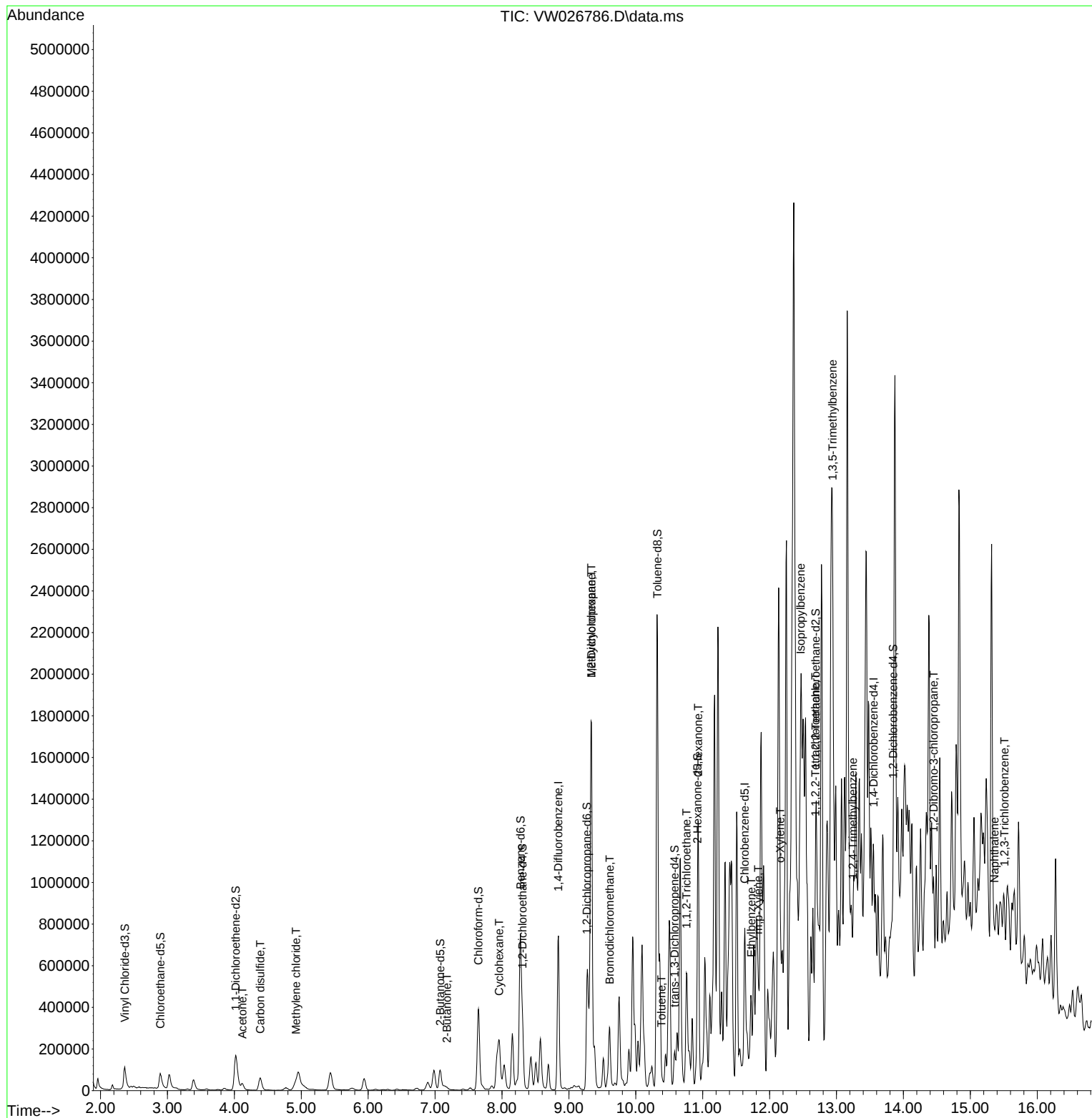
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.360	128	86599	11.172	ug/L	95
72) 1,2,3-Trichlorobenzene	15.513	180	3191	0.871	ug/L #	1

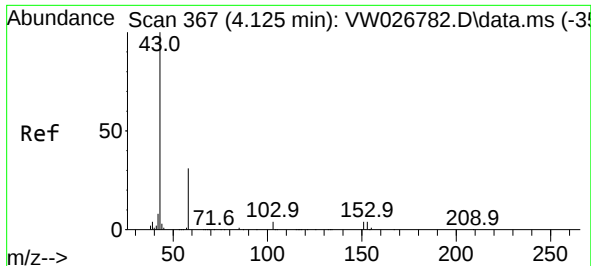
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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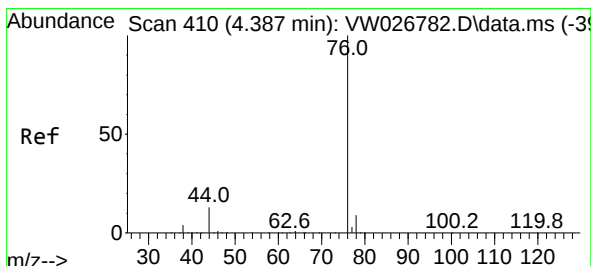
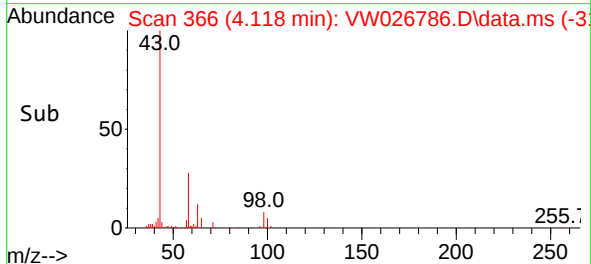
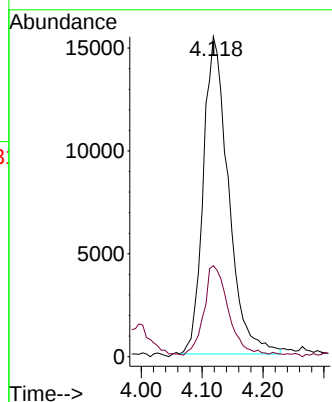
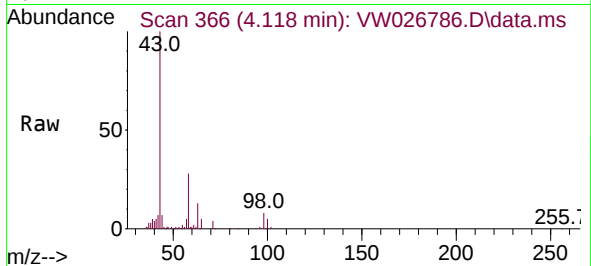




#13
Acetone
Concen: 16.040 ug/L
RT: 4.118 min Scan# 30
Delta R.T. -0.006 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

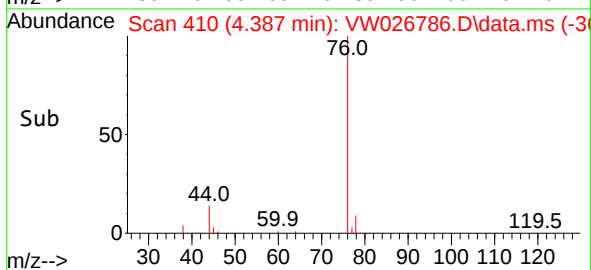
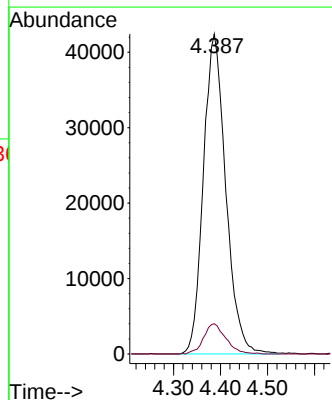
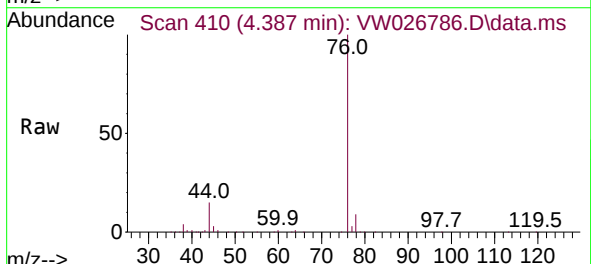
Instrument :
MSVOA_W
ClientSampleId :

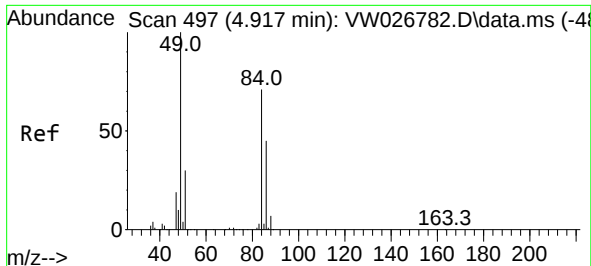
Tgt Ion: 43 Resp: 44424
Ion Ratio Lower Upper
43 100
58 27.1 0.0 57.4



#14
Carbon disulfide
Concen: 4.476 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.000 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

Tgt Ion: 76 Resp: 140314
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

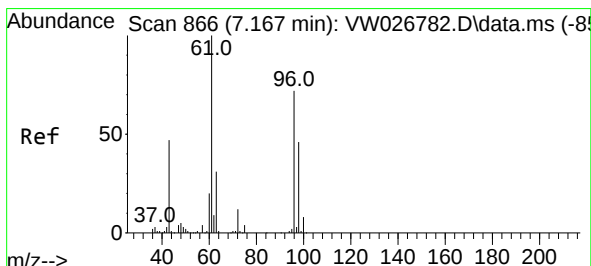
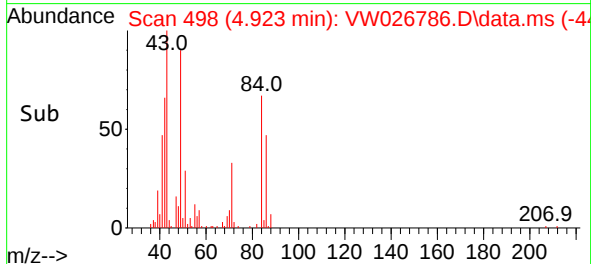
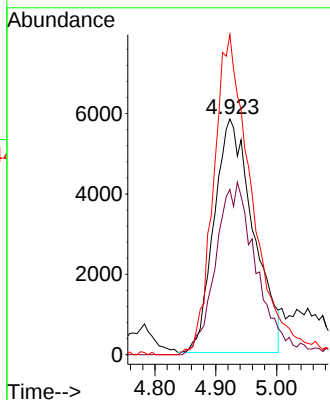
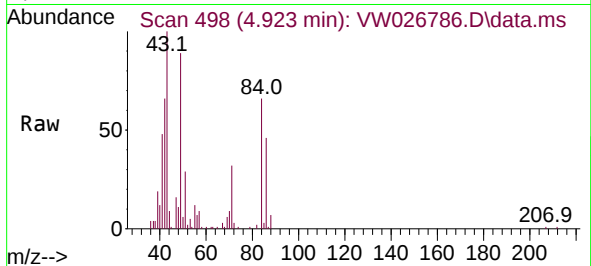




#16
Methylene chloride
Concen: 2.284 ug/L
RT: 4.923 min Scan# 49
Delta R.T. 0.006 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

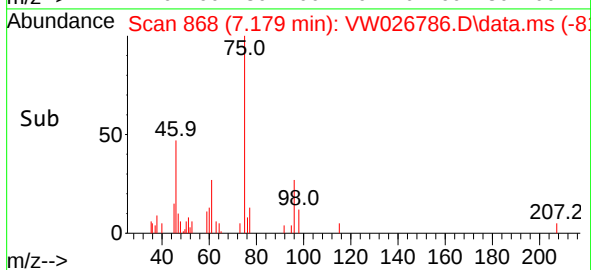
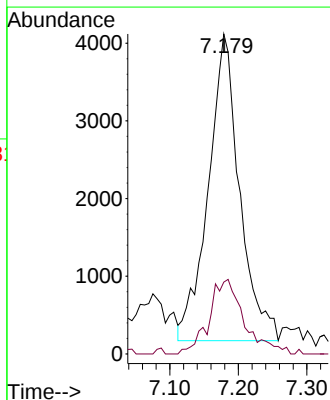
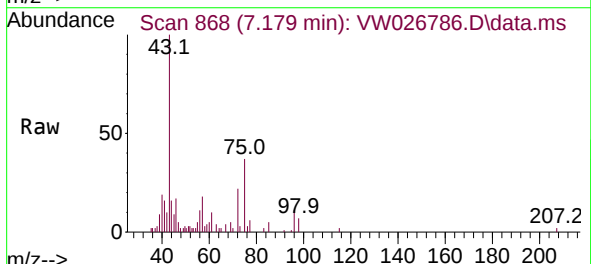
Instrument :
MSVOA_W
ClientSampleId :

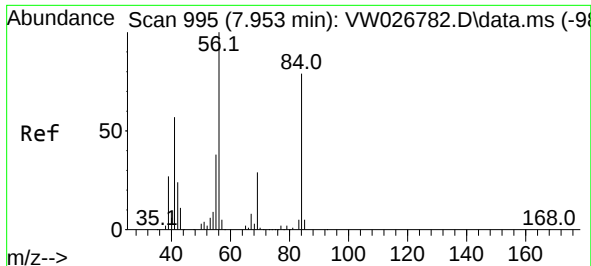
Tgt Ion: 84 Resp: 26044
Ion Ratio Lower Upper
84 100
86 70.0 43.5 80.9
49 135.8 96.0 178.2



#22
2-Butanone
Concen: 3.061 ug/L
RT: 7.179 min Scan# 868
Delta R.T. 0.012 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

Tgt Ion: 43 Resp: 12493
Ion Ratio Lower Upper
43 100
72 12.1 11.8 35.4





#29

Cyclohexane

Concen: 13.717 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.006 min

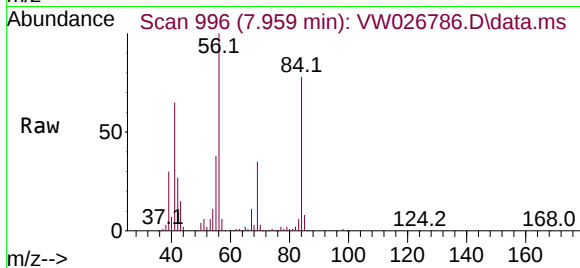
Lab File: VW026786.D

Acq: 21 Aug 2023 12:52

Instrument :

MSVOA_W

ClientSampleId :



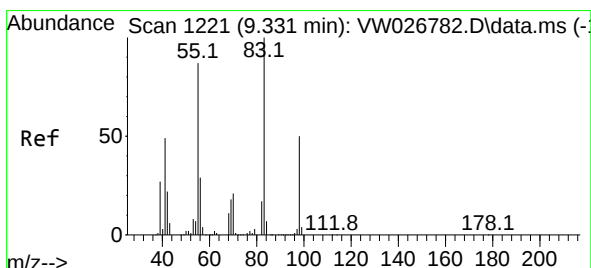
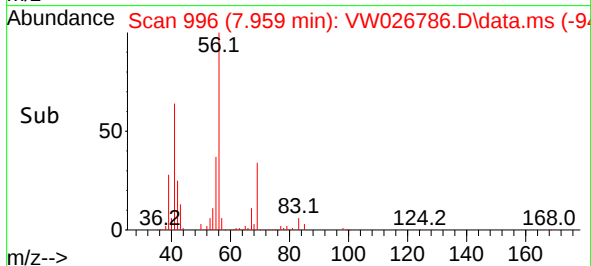
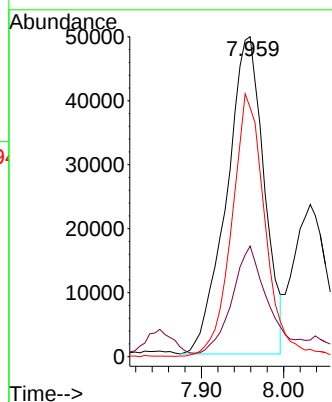
Tgt Ion: 56 Resp: 157123

Ion Ratio Lower Upper

56 100

69 31.4 23.2 34.8

84 73.3 62.7 94.1



#35

Methylcyclohexane

Concen: 61.132 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW026786.D

Acq: 21 Aug 2023 12:52

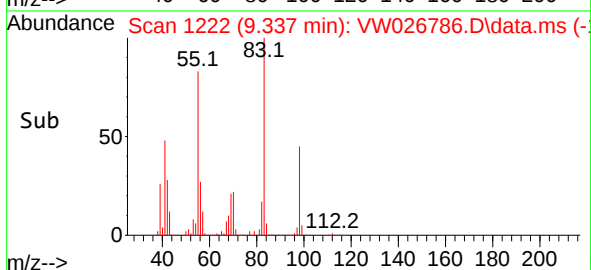
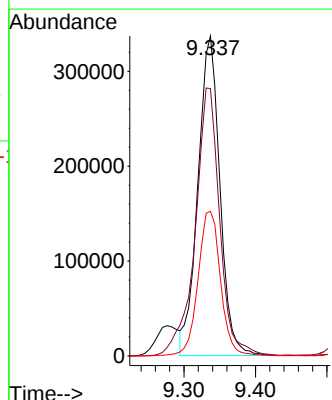
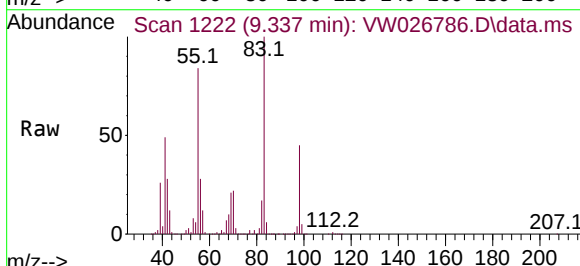
Tgt Ion: 83 Resp: 718462

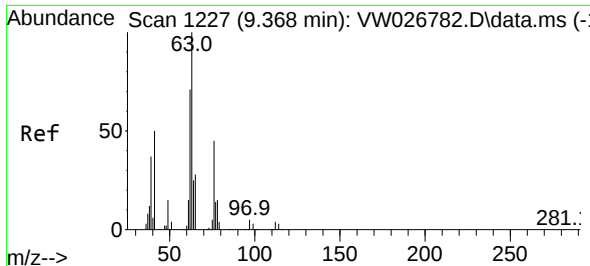
Ion Ratio Lower Upper

83 100

55 93.8 69.3 103.9

98 46.7 37.4 56.0





#37

1,2-Dichloropropane

Concen: 0.928 ug/L

RT: 9.337 min Scan# 11

Delta R.T. -0.031 min

Lab File: VW026786.D

Acq: 21 Aug 2023 12:52

Instrument :

MSVOA_W

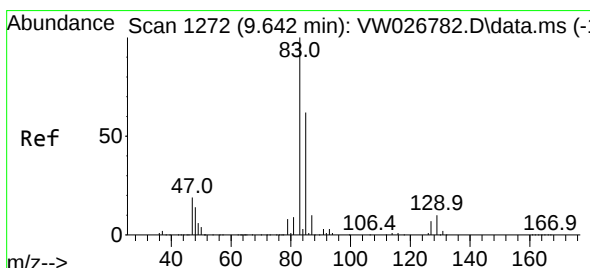
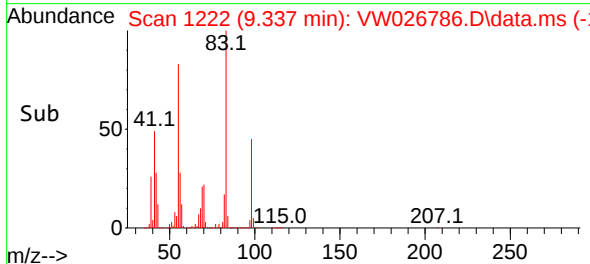
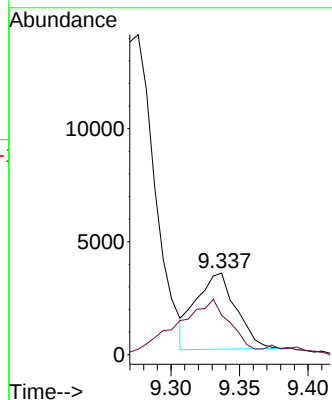
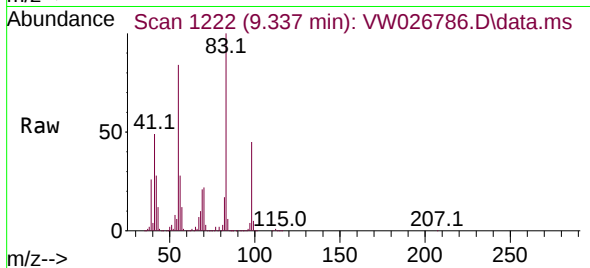
ClientSampleId :

Tgt Ion: 63 Resp: 6857

Ion Ratio Lower Upper

63 100

112 97.5 3.1 4.7#



#38

Bromodichloromethane

Concen: 1.239 ug/L

RT: 9.611 min Scan# 1267

Delta R.T. -0.031 min

Lab File: VW026786.D

Acq: 21 Aug 2023 12:52

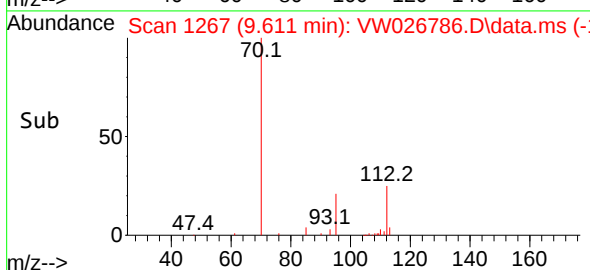
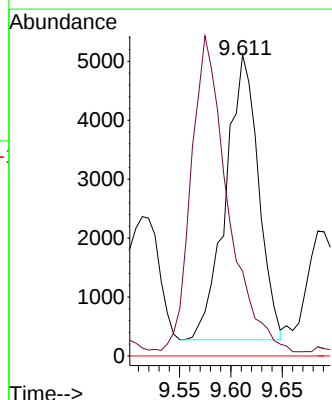
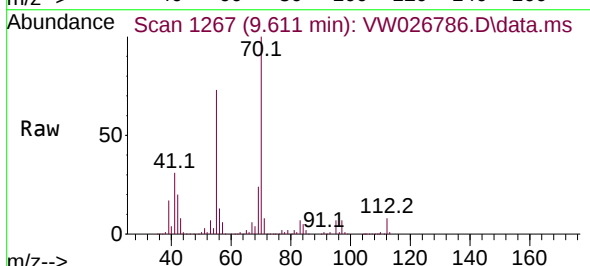
Tgt Ion: 83 Resp: 10739

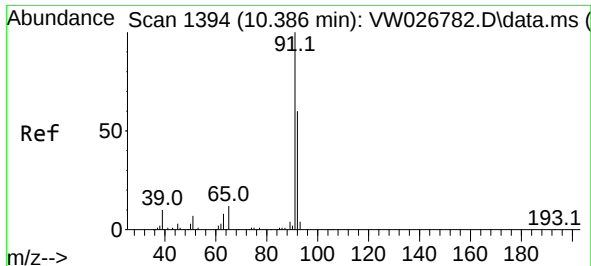
Ion Ratio Lower Upper

83 100

85 28.1 45.4 84.2#

127 0.0 6.2 9.2#

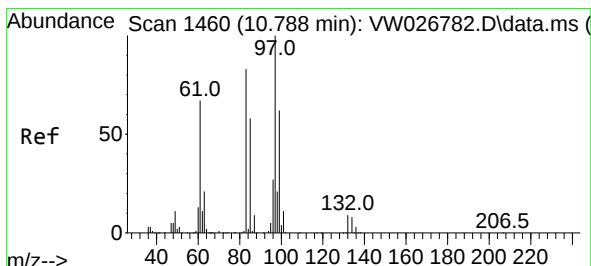
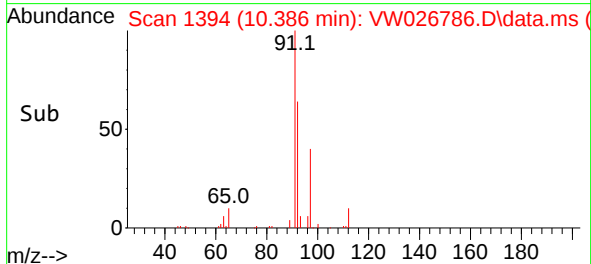
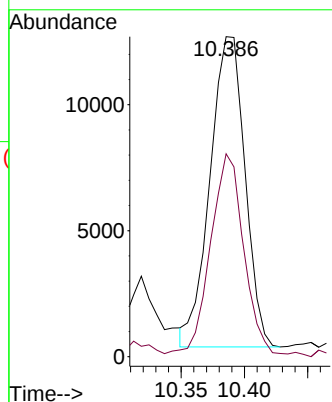
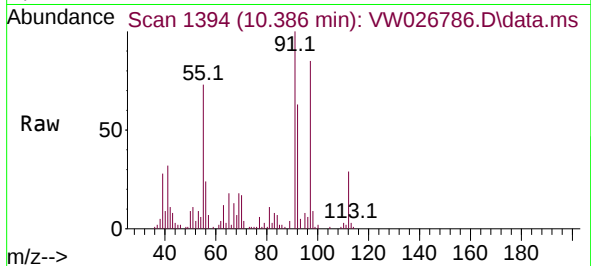




#42
Toluene
Concen: 0.868 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

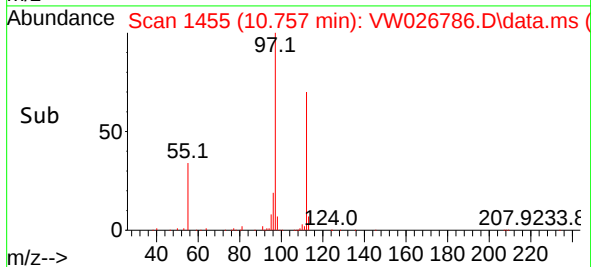
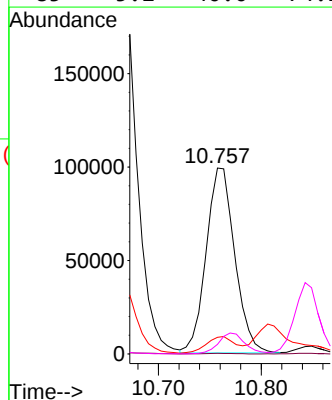
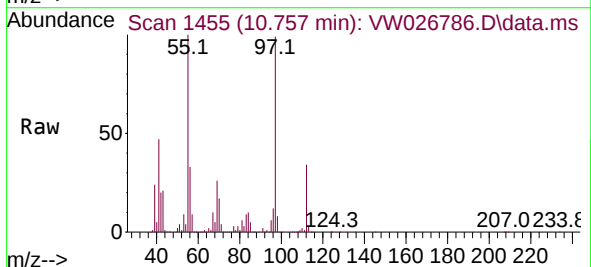
Instrument :
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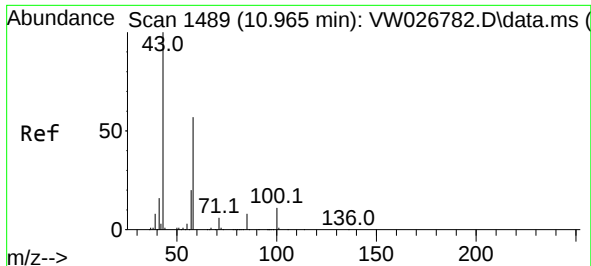
Tgt Ion: 91 Resp: 23676
Ion Ratio Lower Upper
91 100
92 63.4 40.8 75.8



#45
1,1,2-Trichloroethane
Concen: 37.869 ug/L
RT: 10.757 min Scan# 1455
Delta R.T. -0.031 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

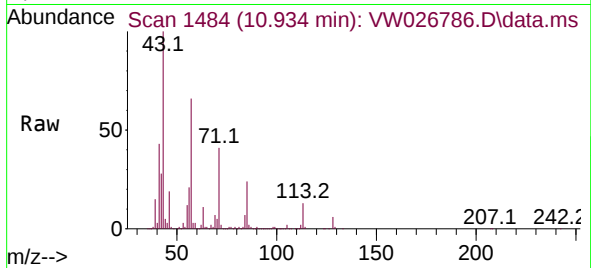
Tgt Ion: 97 Resp: 191351
Ion Ratio Lower Upper
97 100
99 0.4 44.2 82.0#
83 9.0 61.9 114.9#
85 5.2 40.0 74.2#



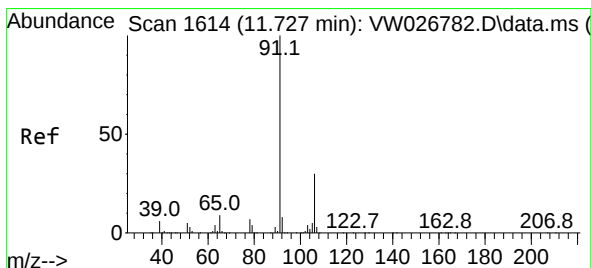
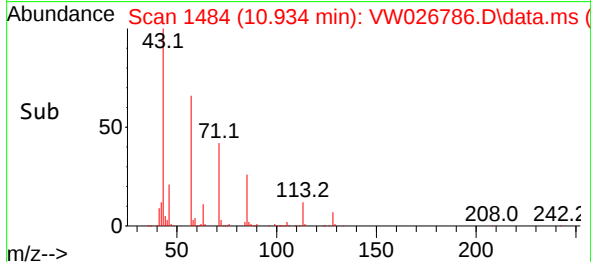
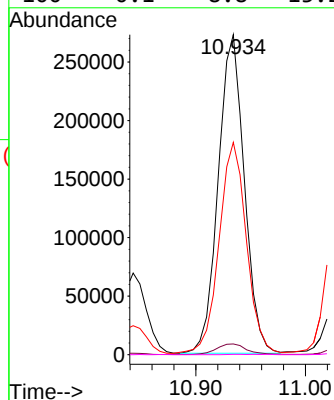


#48
2-Hexanone
Concen: 137.426 ug/L
RT: 10.934 min Scan# 1489
Delta R.T. -0.031 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

Instrument :
MSVOA_W
ClientSampleId :

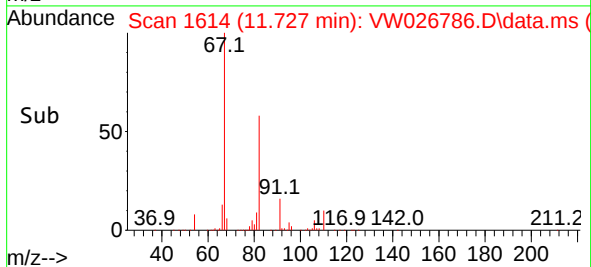
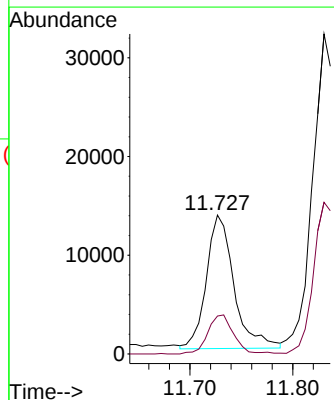
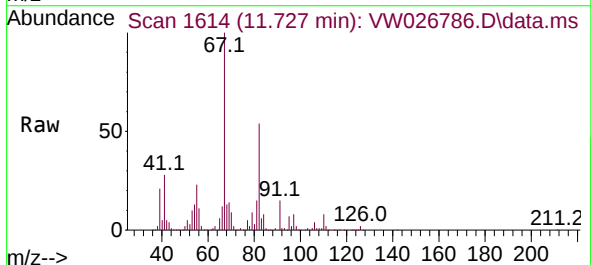


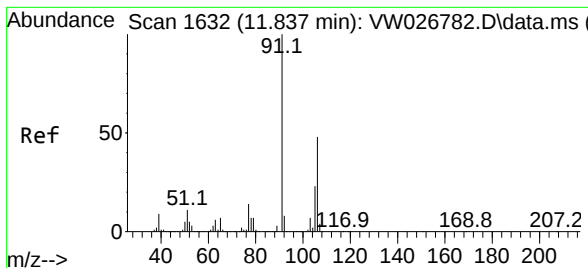
Tgt Ion: 43 Resp: 449405
Ion Ratio Lower Upper
43 100
58 3.9 41.1 61.7#
57 69.1 14.3 21.5#
100 0.1 8.8 13.2#



#52
Ethylbenzene
Concen: 0.829 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

Tgt Ion: 91 Resp: 25375
Ion Ratio Lower Upper
91 100
106 27.3 20.2 37.6

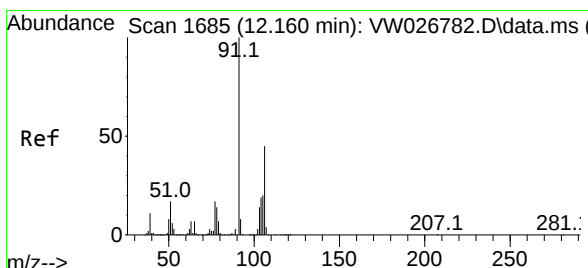
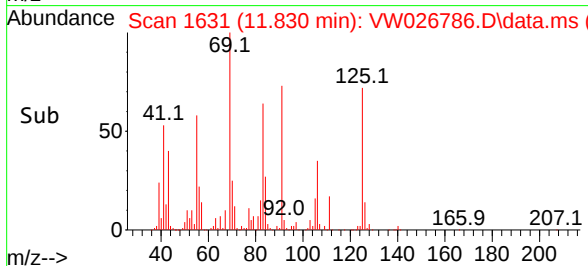
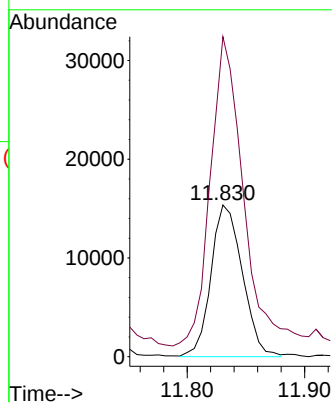
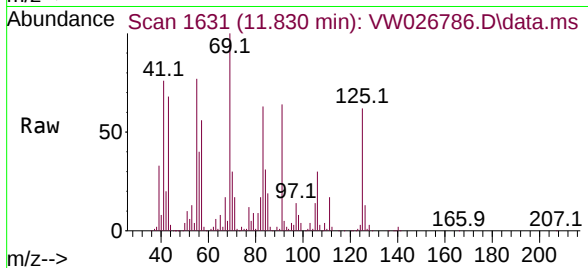




#53
m,p-Xylene
Concen: 2.515 ug/L
RT: 11.830 min Scan# 1
Delta R.T. -0.006 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

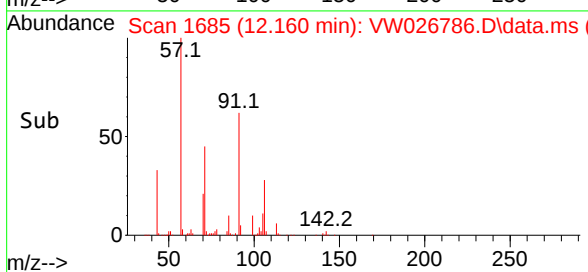
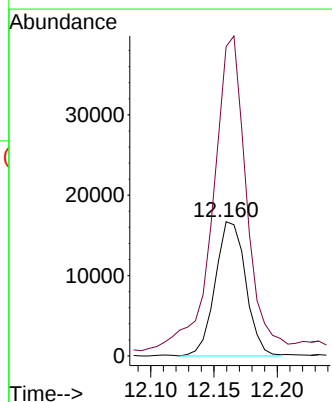
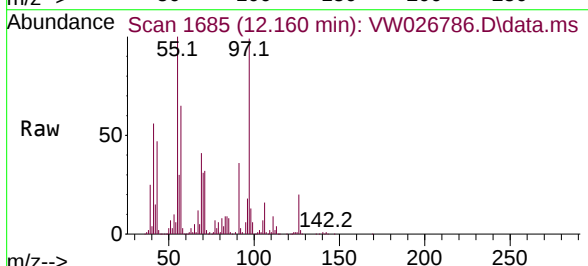
Instrument :
MSVOA_W
ClientSampleId :

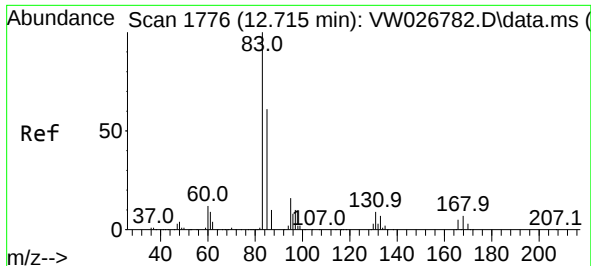
Tgt Ion:106 Resp: 28508
Ion Ratio Lower Upper
106 100
91 211.0 152.9 284.1



#54
o-Xylene
Concen: 2.647 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

Tgt Ion:106 Resp: 28009
Ion Ratio Lower Upper
106 100
91 230.6 149.9 278.3





#57

1,1,2,2-Tetrachloroethane

Concen: 4.735 ug/L

RT: 12.684 min Scan# 1

Delta R.T. -0.031 min

Lab File: VW026786.D

Acq: 21 Aug 2023 12:52

Instrument :

MSVOA_W

ClientSampleId :

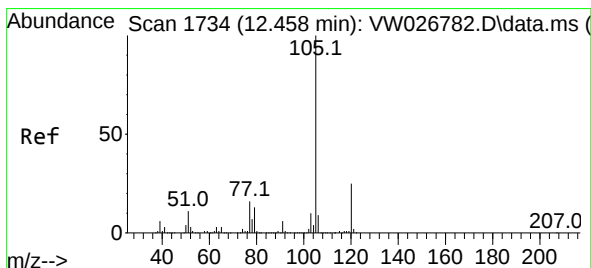
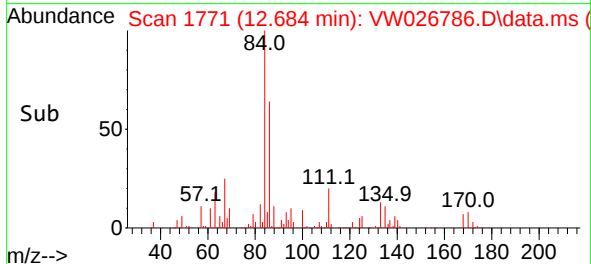
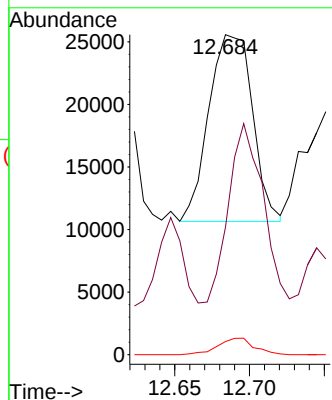
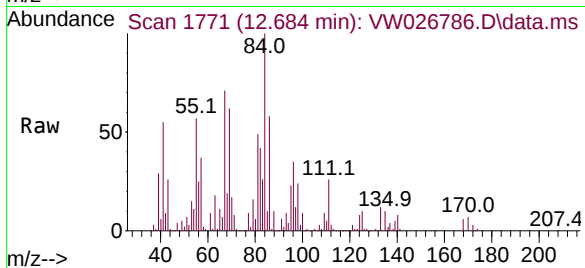
Tgt Ion: 83 Resp: 30299

Ion Ratio Lower Upper

83 100

85 39.8 44.9 83.3#

131 4.1 7.4 11.0#



#60

Isopropylbenzene

Concen: 4.956 ug/L

RT: 12.464 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW026786.D

Acq: 21 Aug 2023 12:52

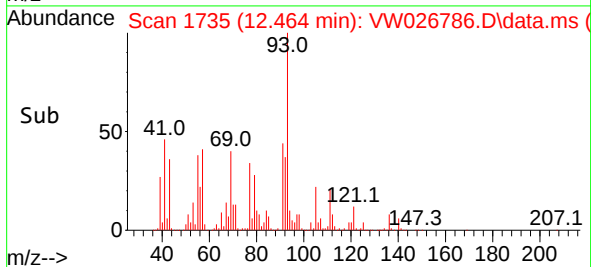
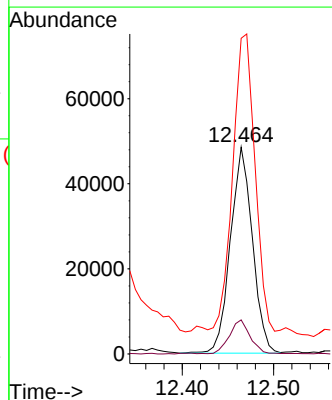
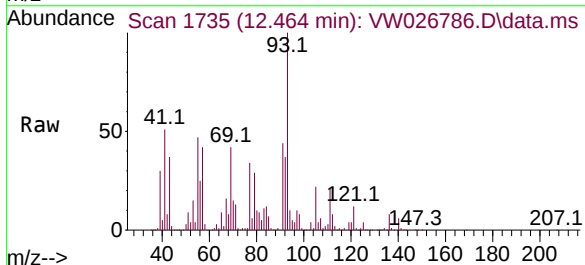
Tgt Ion:105 Resp: 80837

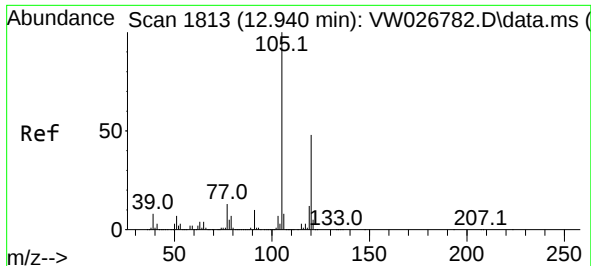
Ion Ratio Lower Upper

105 100

120 15.2 21.0 31.6#

77 161.0 13.4 20.2#





#62

1,3,5-Trimethylbenzene

Concen: 4.310 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026786.D

Acq: 21 Aug 2023 12:52

Instrument :

MSVOA_W

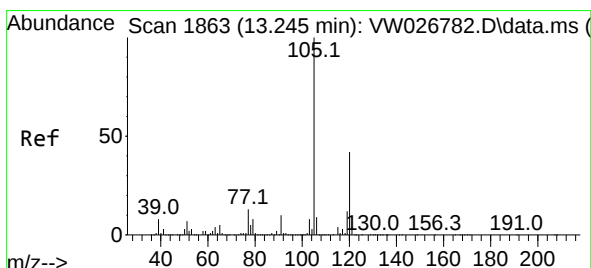
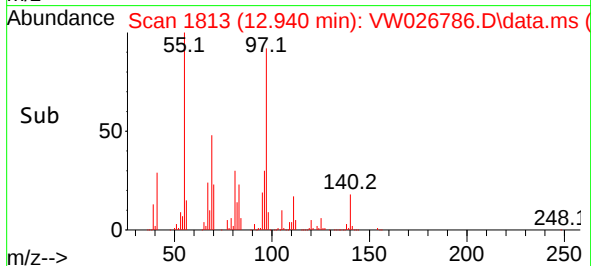
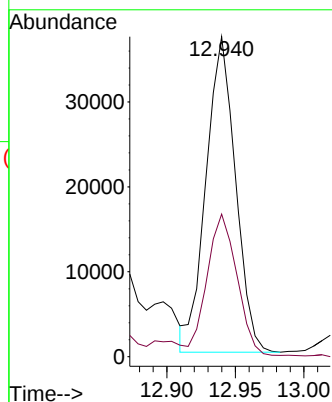
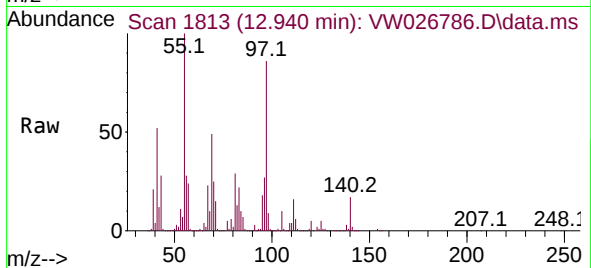
ClientSampleId :

Tgt Ion:105 Resp: 55575

Ion Ratio Lower Upper

105 100

120 45.0 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 6.423 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026786.D

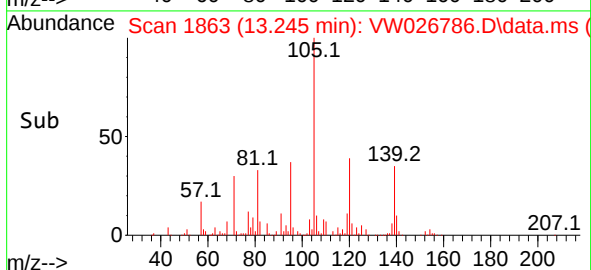
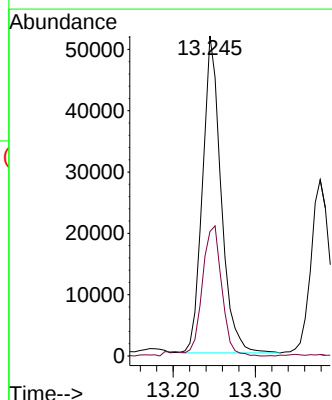
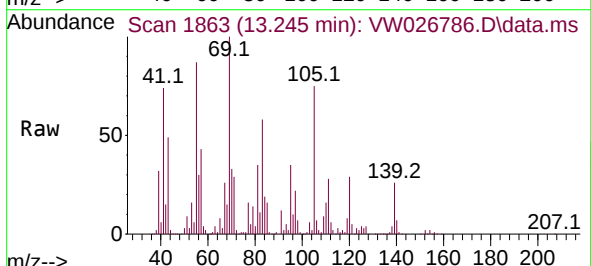
Acq: 21 Aug 2023 12:52

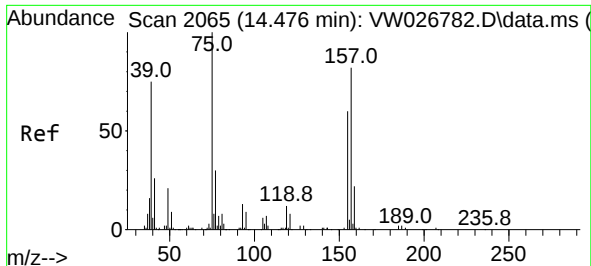
Tgt Ion:105 Resp: 81147

Ion Ratio Lower Upper

105 100

120 42.7 36.2 54.4

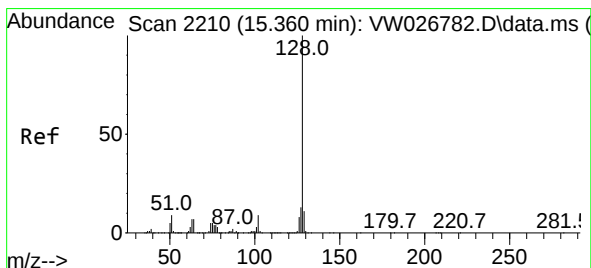
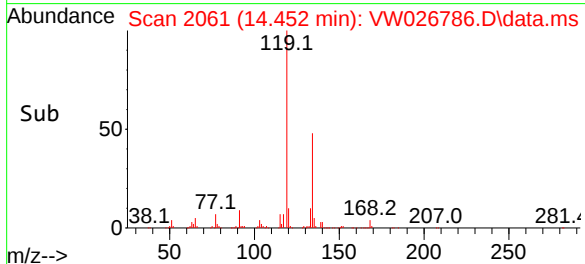
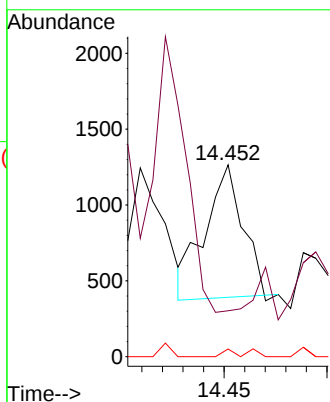
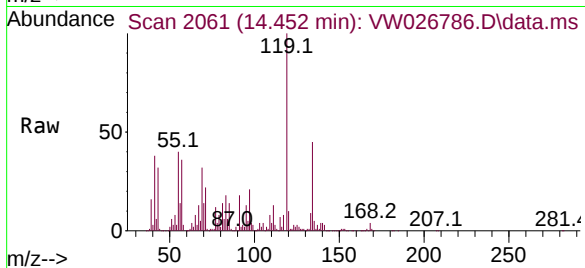




#68
1,2-Dibromo-3-chloropropane
Concen: 1.738 ug/L
RT: 14.452 min Scan# 2061
Delta R.T. -0.025 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

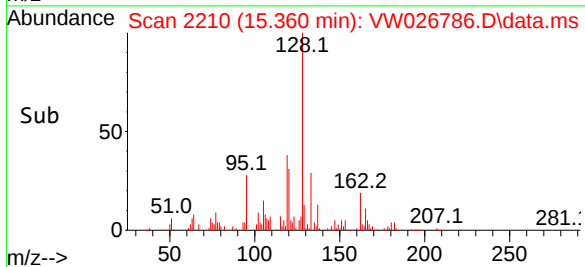
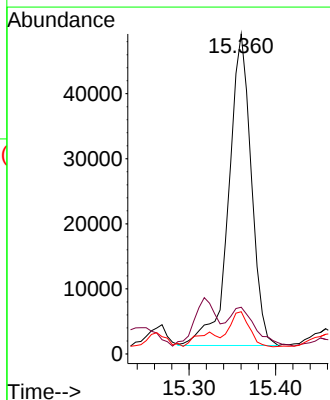
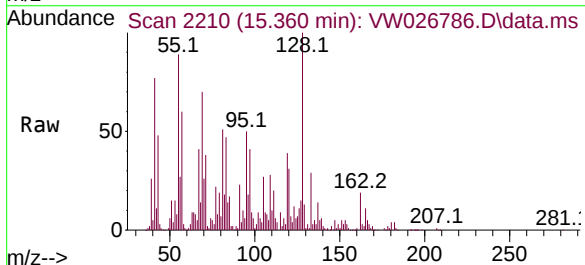
Instrument :
MSVOA_W
ClientSampleId :

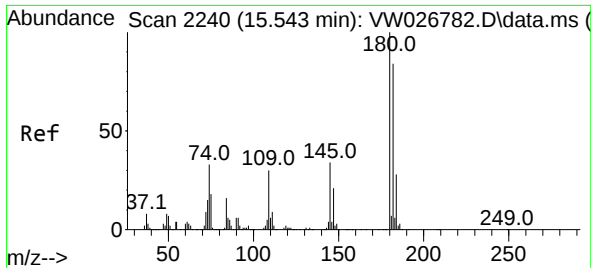
Tgt Ion: 75 Resp: 1115
Ion Ratio Lower Upper
75 100
155 24.0 55.0 82.6#
157 4.0 77.8 116.6#



#71
Naphthalene
Concen: 11.172 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW026786.D
Acq: 21 Aug 2023 12:52

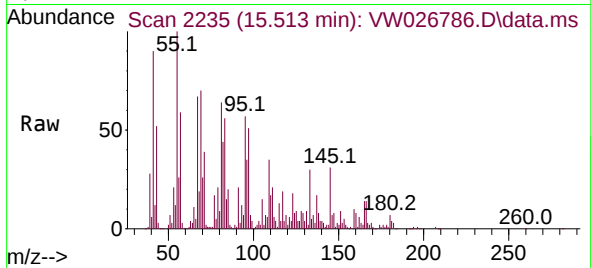
Tgt Ion:128 Resp: 86599
Ion Ratio Lower Upper
128 100
127 15.8 10.7 16.1
129 9.7 9.0 13.4





#72
 1,2,3-Trichlorobenzene
 Concen: 0.871 ug/L
 RT: 15.513 min Scan# 21
 Delta R.T. -0.031 min
 Lab File: VW026786.D
 Acq: 21 Aug 2023 12:52

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 3191
 Ion Ratio Lower Upper
 180 100
 182 86.2 74.6 112.0
 145 752.3 27.0 40.6#

