

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082423\
 Data File : VW026877.D
 Acq On : 25 Aug 2023 01:41
 Operator : SY/MD
 Sample : 04113-16
 Misc : 8.133g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 25 05:24:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 25 05:00:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	462960	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	249264	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.531	152	135895	25.000	ug/L	-0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	84848	11.149	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	44.600%
7) Chloroethane-d5	2.899	69	86196	15.231	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.920%
11) 1,1-Dichloroethene-d2	4.021	65	42627	11.388	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	45.560%
21) 2-Butanone-d5	7.075	46	102166	46.706	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.420%
24) Chloroform-d	7.648	84	255899	16.469	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	65.880%
26) 1,2-Dichloroethane-d4	8.416	65	130	0.015	ug/L	0.11
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.080%#
32) Benzene-d6	8.276	84	564711	32.872	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	131.480%
36) 1,2-Dichloropropane-d6	9.276	67	196685	36.756	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	147.040%#
41) Toluene-d8	10.325	98	409007	27.736	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	110.960%
43) trans-1,3-Dichloroprop...	10.581	79	25362	11.479	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	45.920%
47) 2-Hexanone-d5	10.922	63	49741	88.463	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	176.920%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	142929	33.822	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	135.280%#
66) 1,2-Dichlorobenzene-d4	13.861	152	171675	35.295	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	=	141.160%#
Target Compounds						
					Qvalue	
13) Acetone	4.124	43	29153	13.404	ug/L	98
14) Carbon disulfide	4.387	76	25315	1.028	ug/L	99
25) Chloroform	7.679	83	52523	3.459	ug/L	92
29) Cyclohexane	7.947	56	14575	1.891	ug/L #	65
30) 1,1,1-Trichloroethane	7.874	97	9888	1.520	ug/L #	80
35) Methylcyclohexane	9.337	83	131103	16.577	ug/L	90
42) Toluene	10.386	91	15110	0.823	ug/L	98
45) 1,1,2-Trichloroethane	10.764	97	114217	33.589	ug/L #	23
48) 2-Hexanone	10.934	43	245140	111.394	ug/L #	23
52) Ethylbenzene	11.727	91	42881	2.082	ug/L	98
53) m,p-Xylene	11.830	106	45289	5.937	ug/L	95
54) o-Xylene	12.166	106	39085	5.490	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.690	83	205928	47.818	ug/L #	97
60) Isopropylbenzene	13.098	105	127217	6.297	ug/L	97
61) 1,2,3-Trichloropropane	12.788	75	2334	0.708	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.940	105	77019	4.823	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	185690	11.866	ug/L	99
68) 1,2-Dibromo-3-chloropr...	14.415	75	20745	26.105	ug/L #	33
69) 1,3,5-Trichlorobenzene	14.592	180	5948	1.002	ug/L #	57

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Quant Title : SFAM01.0
QLast Update : Fri Aug 25 05:00:16 2023
Response via : Initial Calibration

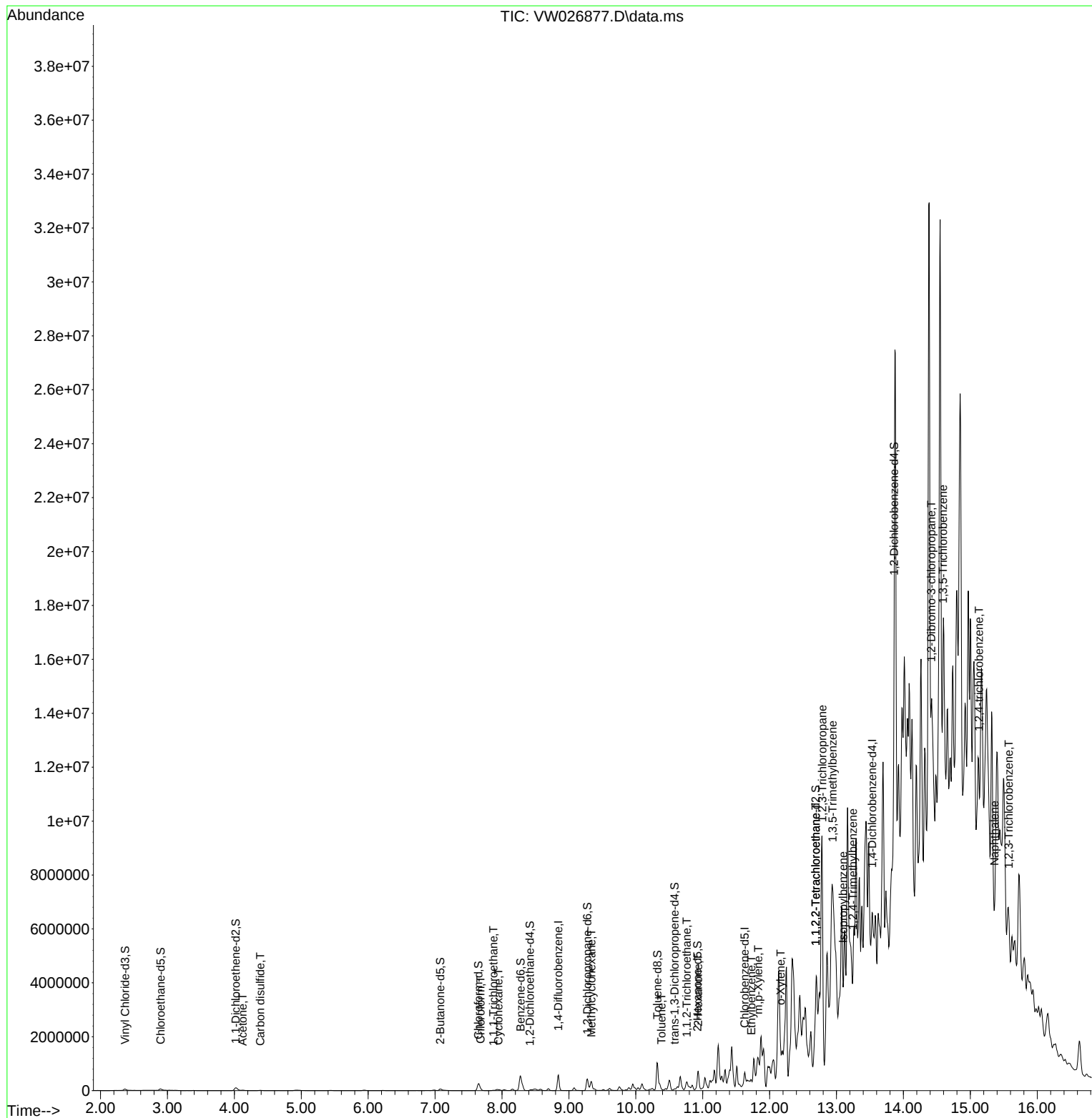
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.129	180	32229	6.403	ug/L #	1
71) Naphthalene	15.360	128	39077	4.070	ug/L #	77
72) 1,2,3-Trichlorobenzene	15.574	180	48350	10.650	ug/L #	15

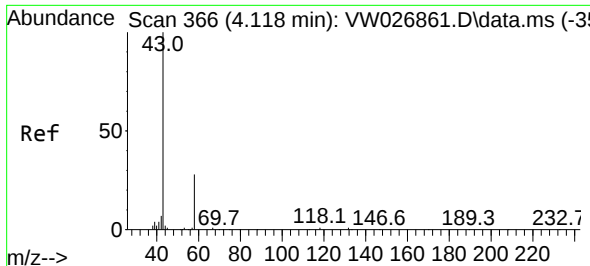
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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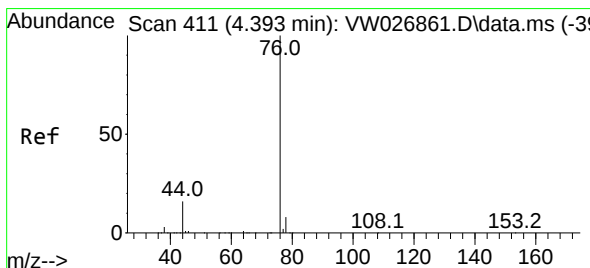
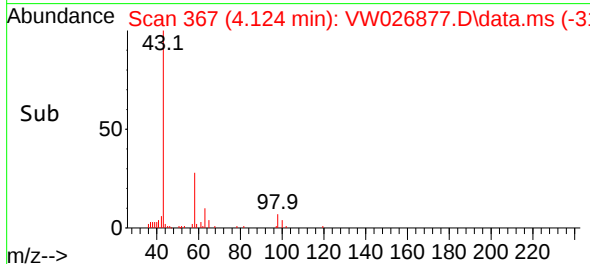
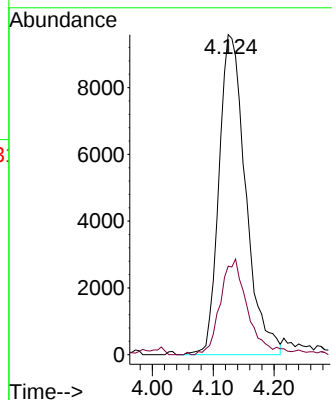
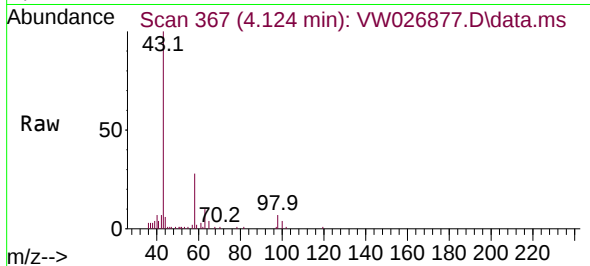




#13
Acetone
Concen: 13.404 ug/L
RT: 4.124 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

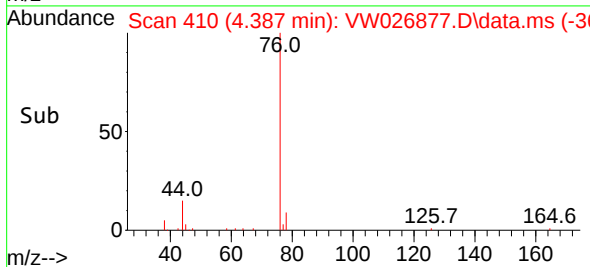
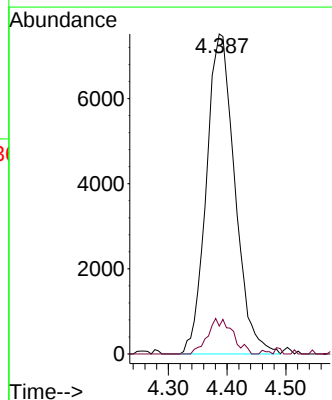
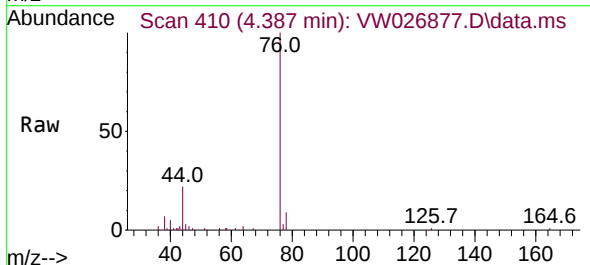
Instrument :
MSVOA_W
ClientSampleId :

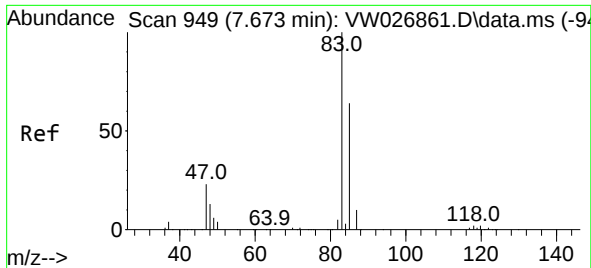
Tgt Ion: 43 Resp: 29153
Ion Ratio Lower Upper
43 100
58 29.7 0.0 57.4



#14
Carbon disulfide
Concen: 1.028 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

Tgt Ion: 76 Resp: 25315
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7

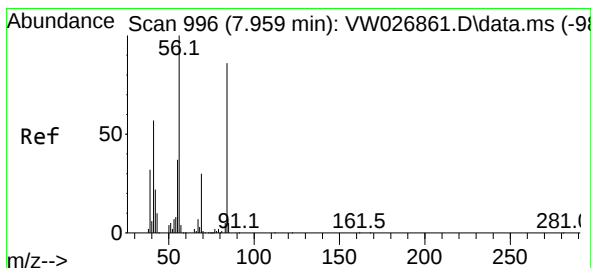
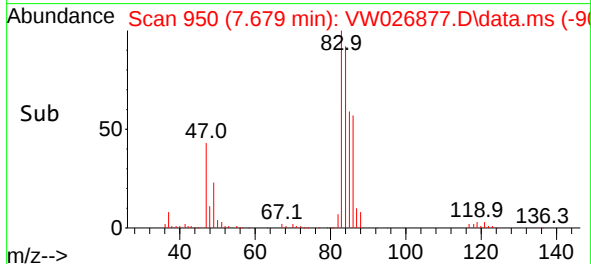
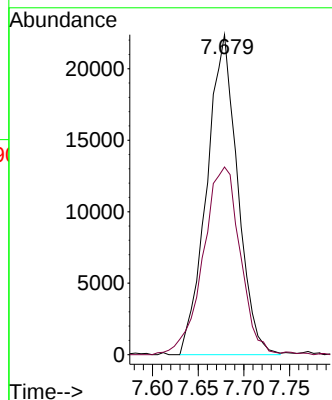
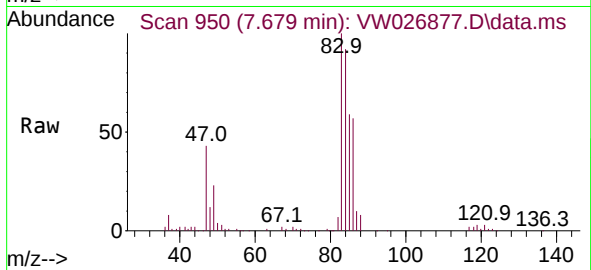




#25
Chloroform
Concen: 3.459 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

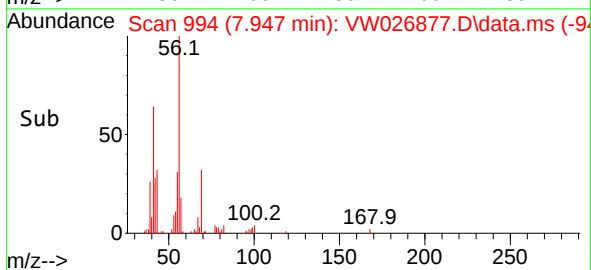
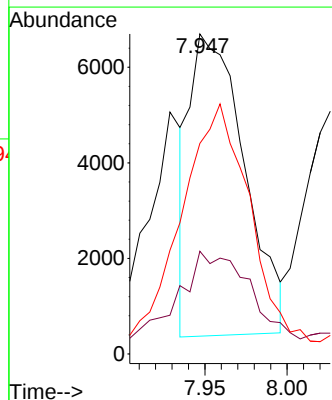
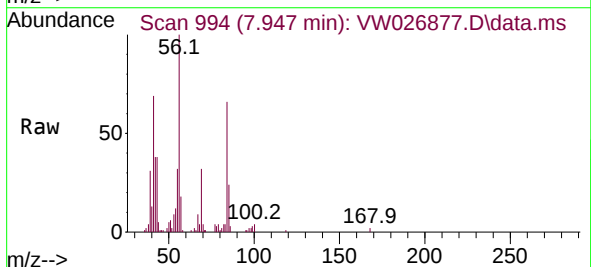
Instrument :
MSVOA_W
ClientSampleId :

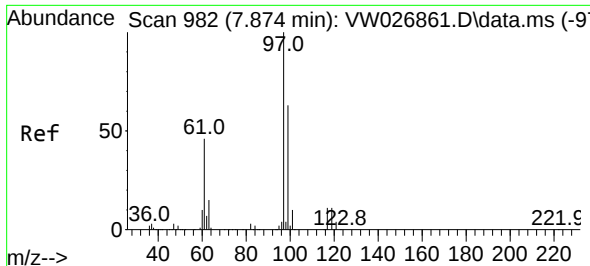
Tgt Ion: 83 Resp: 52523
Ion Ratio Lower Upper
83 100
85 58.7 45.4 84.2



#29
Cyclohexane
Concen: 1.891 ug/L
RT: 7.947 min Scan# 994
Delta R.T. -0.012 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

Tgt Ion: 56 Resp: 14575
Ion Ratio Lower Upper
56 100
69 9.5 23.2 34.8#
84 108.6 62.7 94.1#

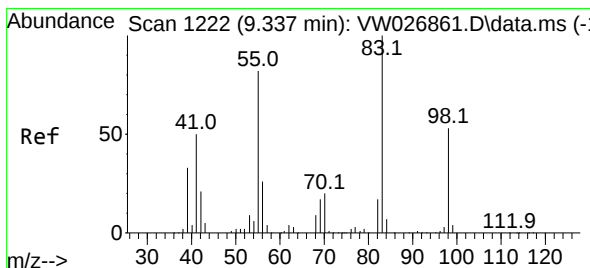
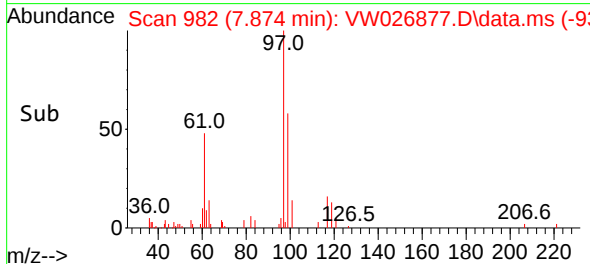
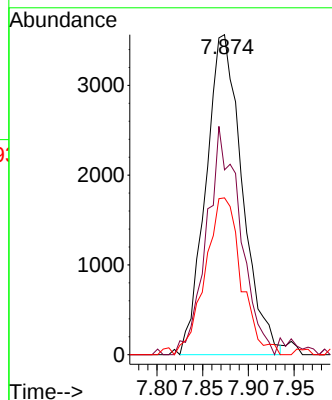
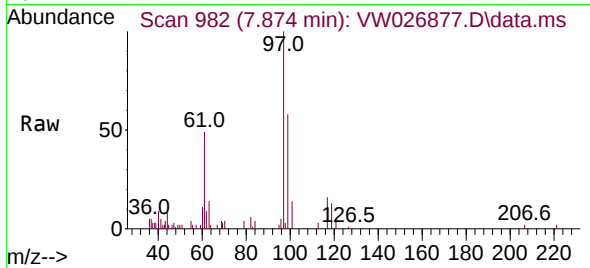




#30
1,1,1-Trichloroethane
Concen: 1.520 ug/L
RT: 7.874 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

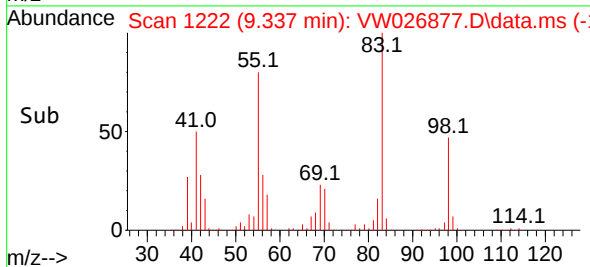
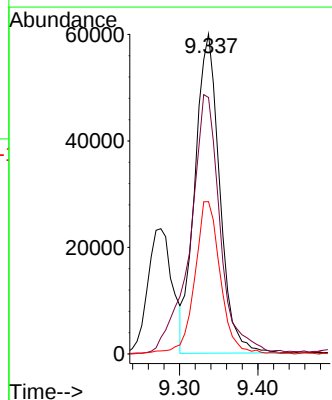
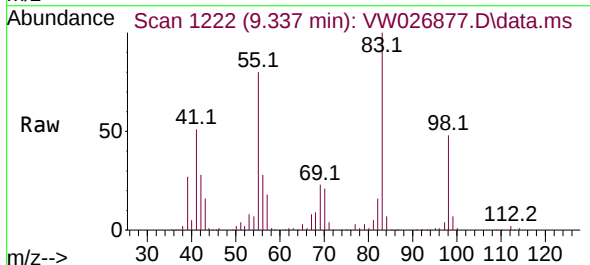
Instrument :
MSVOA_W
ClientSampleId :

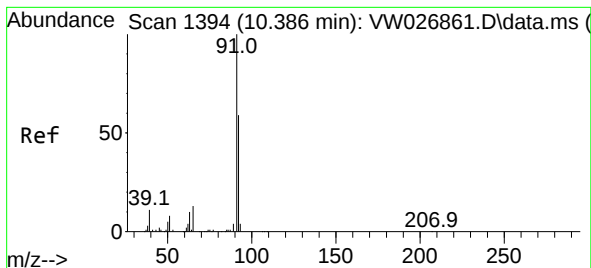
Tgt Ion: 97 Resp: 9888
Ion Ratio Lower Upper
97 100
99 37.2 51.2 76.8#
61 47.6 39.2 58.8



#35
Methylcyclohexane
Concen: 16.577 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

Tgt Ion: 83 Resp: 131103
Ion Ratio Lower Upper
83 100
55 98.1 69.3 103.9
98 49.8 37.4 56.0





#42

Toluene

Concen: 0.823 ug/L

RT: 10.386 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026877.D

Acq: 25 Aug 2023 01:41

Instrument :

MSVOA_W

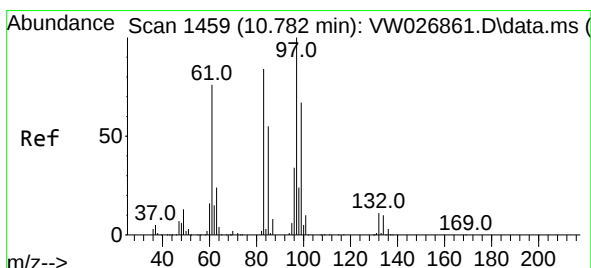
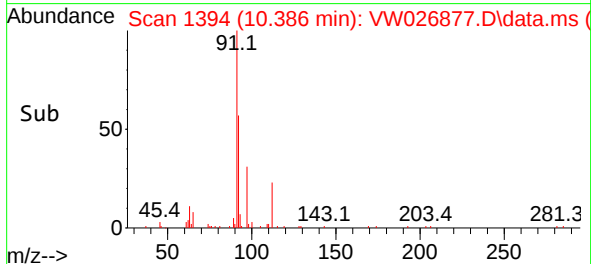
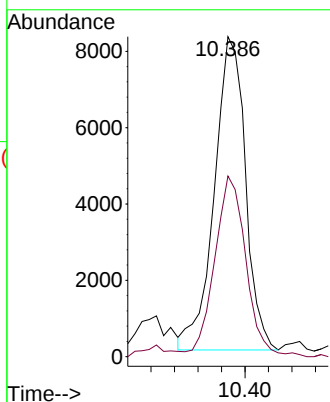
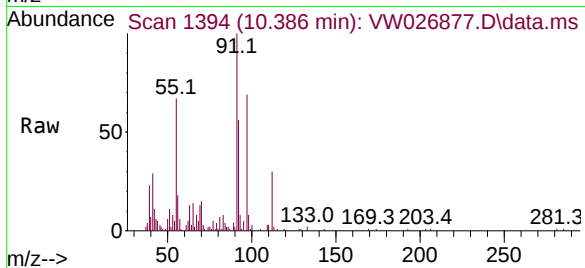
ClientSampleId :

Tgt Ion: 91 Resp: 15110

Ion Ratio Lower Upper

91 100

92 56.5 40.8 75.8



#45

1,1,2-Trichloroethane

Concen: 33.589 ug/L

RT: 10.764 min Scan# 1456

Delta R.T. -0.018 min

Lab File: VW026877.D

Acq: 25 Aug 2023 01:41

Tgt Ion: 97 Resp: 114217

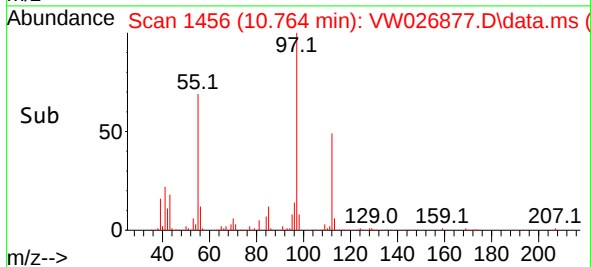
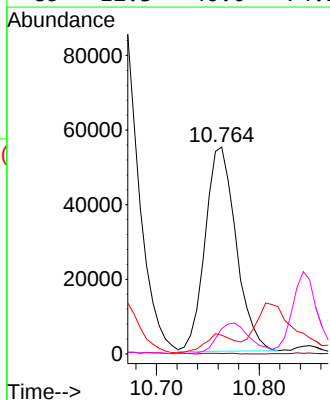
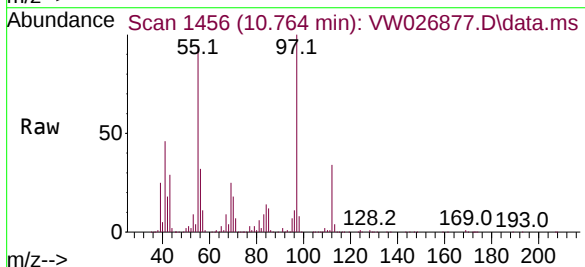
Ion Ratio Lower Upper

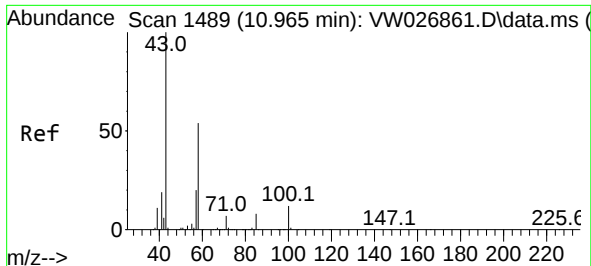
97 100

99 0.3 44.2 82.0#

83 9.1 61.9 114.9#

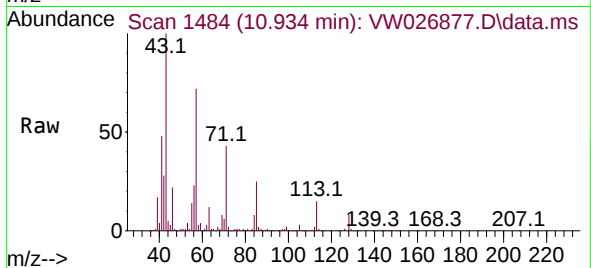
85 12.3 40.0 74.2#



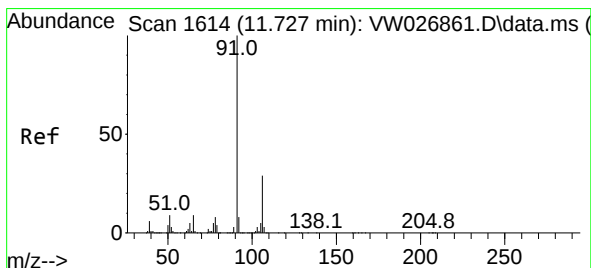
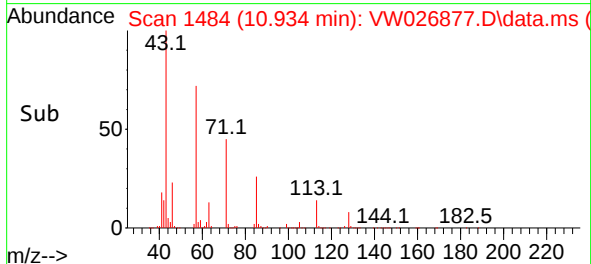
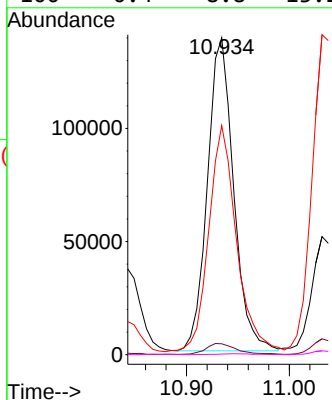


#48
2-Hexanone
Concen: 111.394 ug/L
RT: 10.934 min Scan# 1489
Delta R.T. -0.031 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

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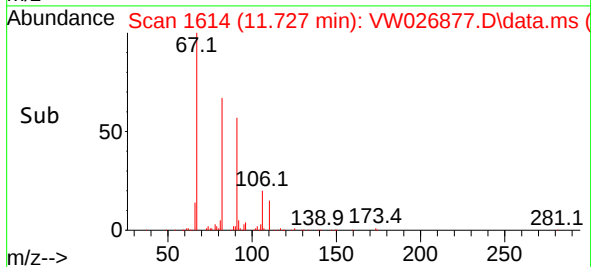
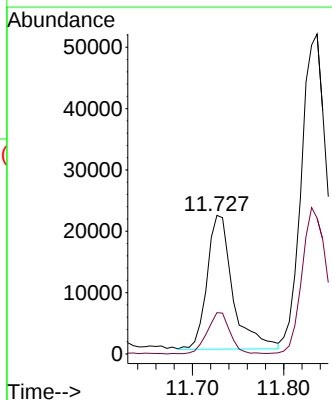
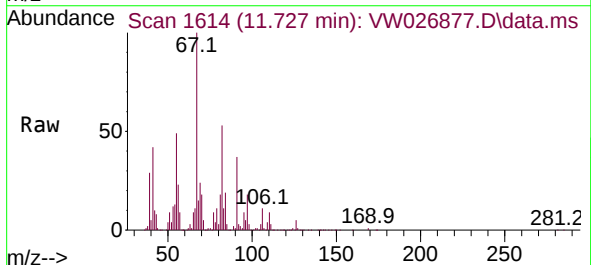


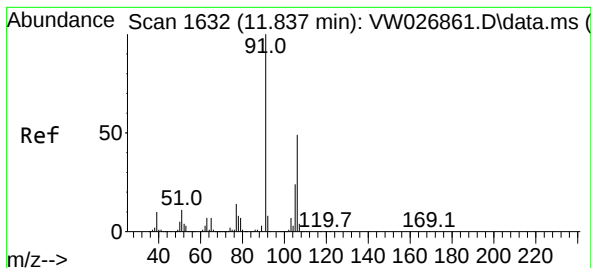
Tgt Ion: 43 Resp: 245140
Ion Ratio Lower Upper
43 100
58 4.0 41.1 61.7#
57 76.1 14.3 21.5#
100 0.4 8.8 13.2#



#52
Ethylbenzene
Concen: 2.082 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

Tgt Ion: 91 Resp: 42881
Ion Ratio Lower Upper
91 100
106 29.8 20.2 37.6





#53

m,p-Xylene

Concen: 5.937 ug/L

RT: 11.830 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026877.D

Acq: 25 Aug 2023 01:41

Instrument :

MSVOA_W

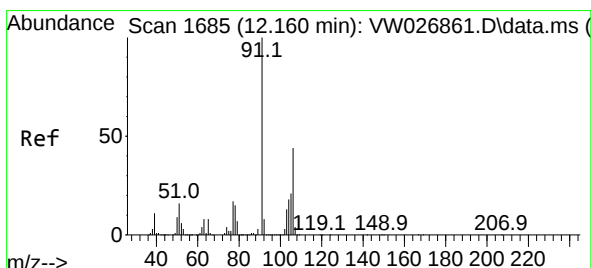
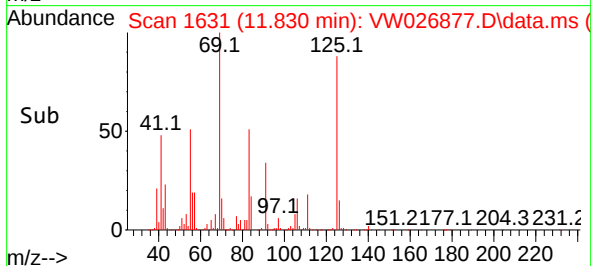
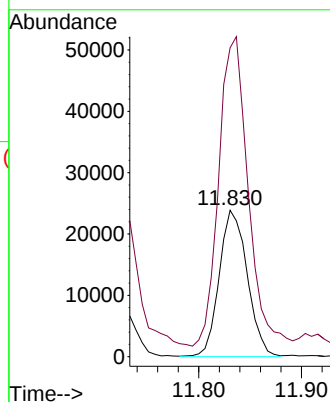
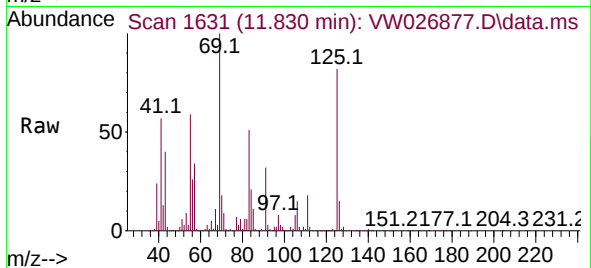
ClientSampleId :

Tgt Ion:106 Resp: 45289

Ion Ratio Lower Upper

106 100

91 211.0 152.9 284.1



#54

o-Xylene

Concen: 5.490 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VW026877.D

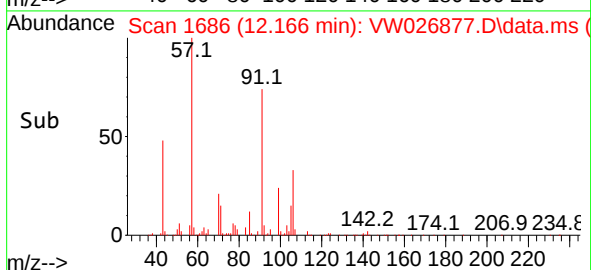
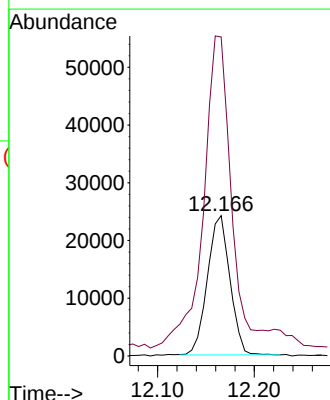
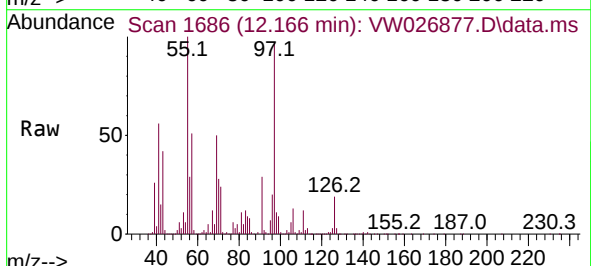
Acq: 25 Aug 2023 01:41

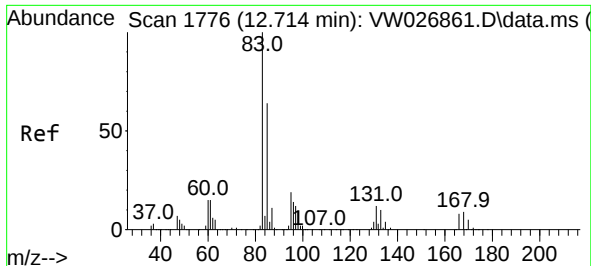
Tgt Ion:106 Resp: 39085

Ion Ratio Lower Upper

106 100

91 227.4 149.9 278.3





#57

1,1,2,2-Tetrachloroethane

Concen: 47.818 ug/L

RT: 12.690 min Scan# 1

Delta R.T. -0.024 min

Lab File: VW026877.D

Acq: 25 Aug 2023 01:41

Instrument :

MSVOA_W

ClientSampleId :

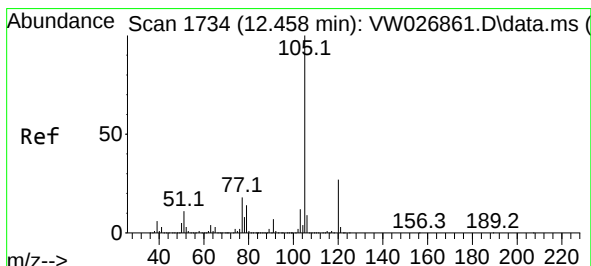
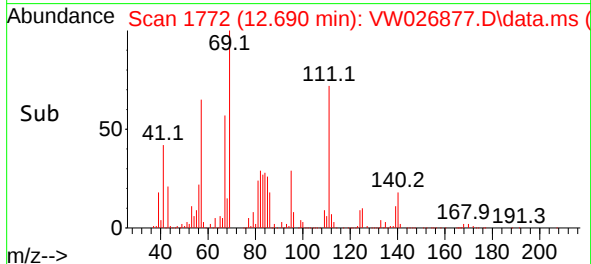
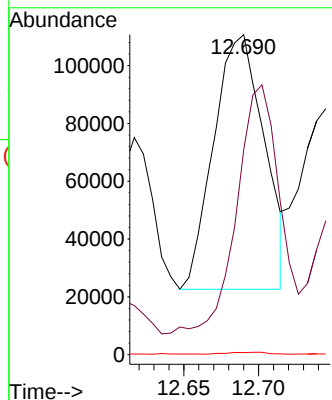
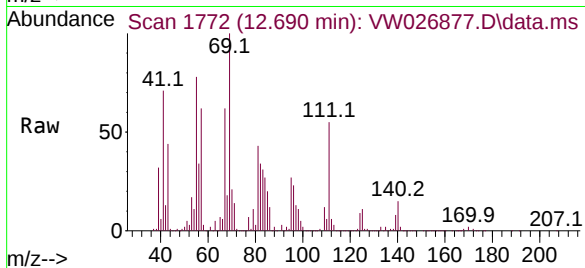
Tgt Ion: 83 Resp: 205928

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

131 0.6 7.4 11.0#



#60

Isopropylbenzene

Concen: 6.297 ug/L

RT: 13.098 min Scan# 1839

Delta R.T. 0.640 min

Lab File: VW026877.D

Acq: 25 Aug 2023 01:41

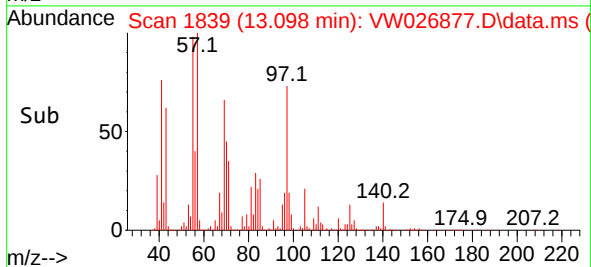
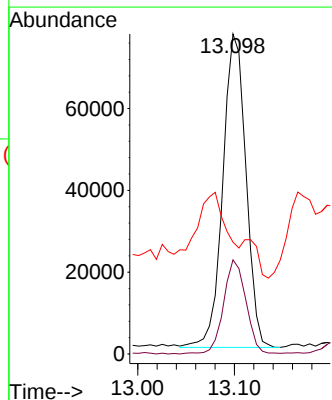
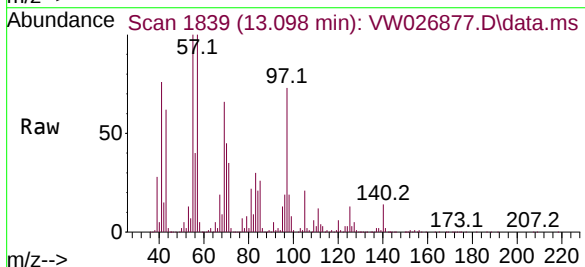
Tgt Ion:105 Resp: 127217

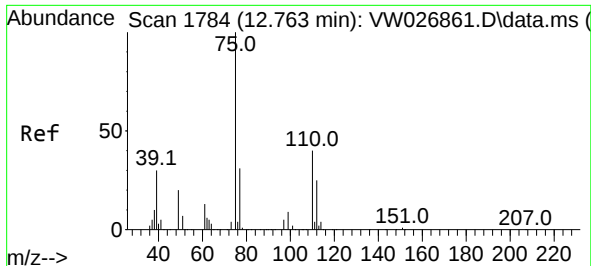
Ion Ratio Lower Upper

105 100

120 28.3 21.0 31.6

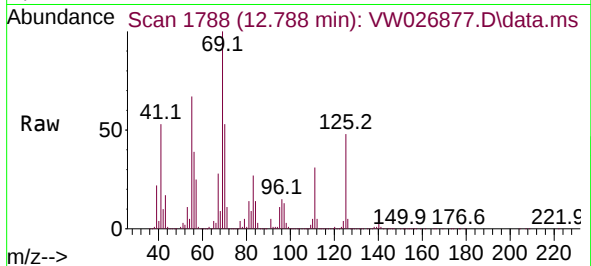
77 15.8 13.4 20.2



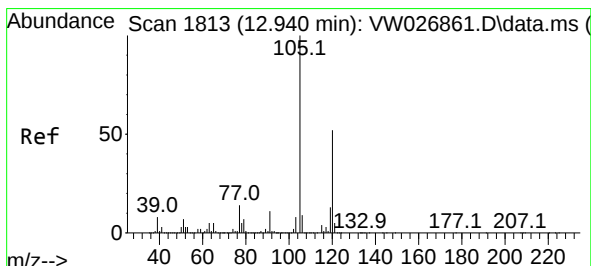
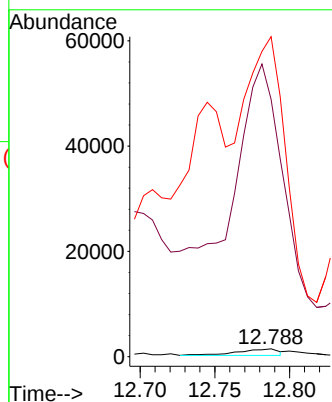
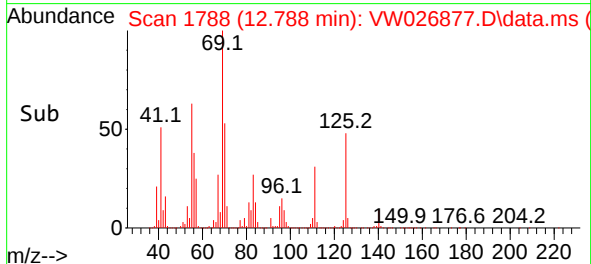


#61
1,2,3-Trichloropropane
Concen: 0.708 ug/L
RT: 12.788 min Scan# 1788
Delta R.T. 0.024 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

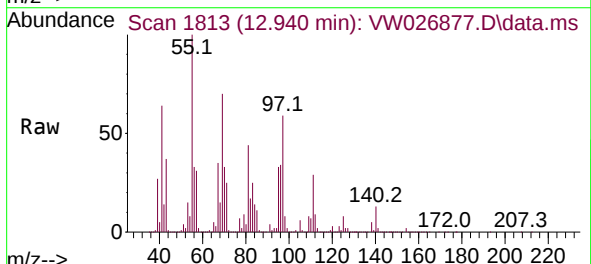
Instrument :
MSVOA_W
ClientSampleId :



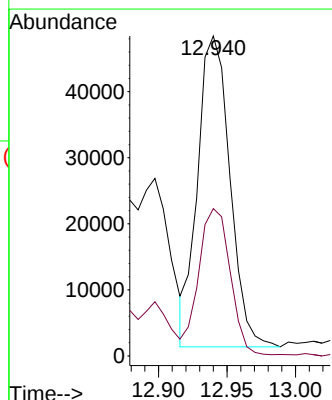
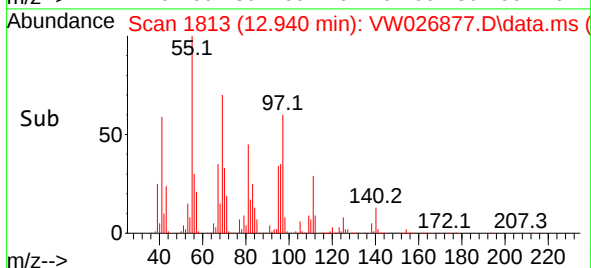
Tgt Ion: 75 Resp: 2334
Ion Ratio Lower Upper
75 100
77 3917.2 26.1 39.1#
110 4386.5 29.9 44.9#

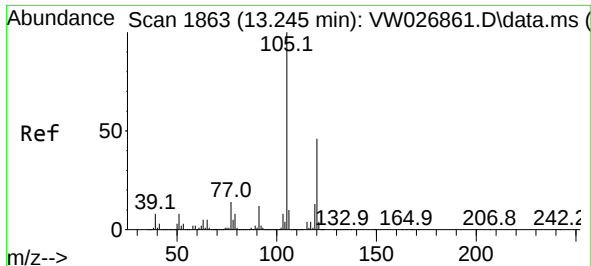


#62
1,3,5-Trimethylbenzene
Concen: 4.823 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41



Tgt Ion: 105 Resp: 77019
Ion Ratio Lower Upper
105 100
120 45.8 37.4 56.2

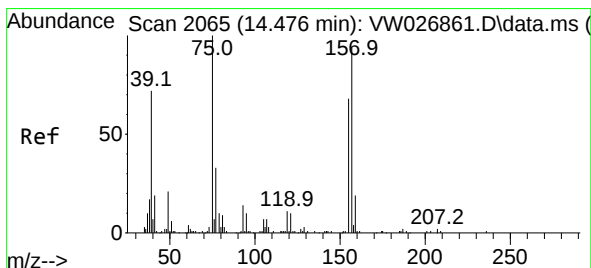
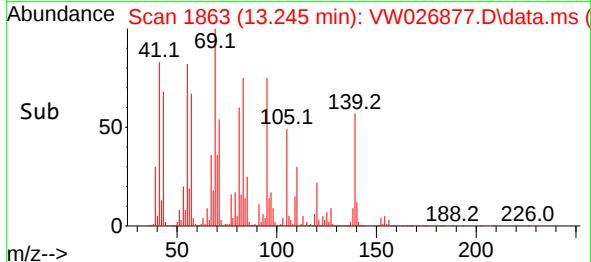
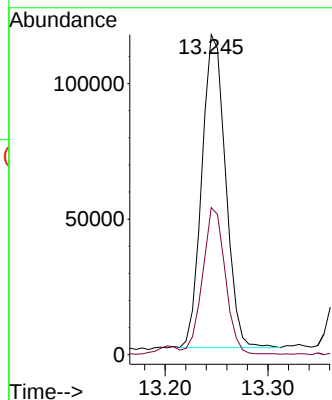
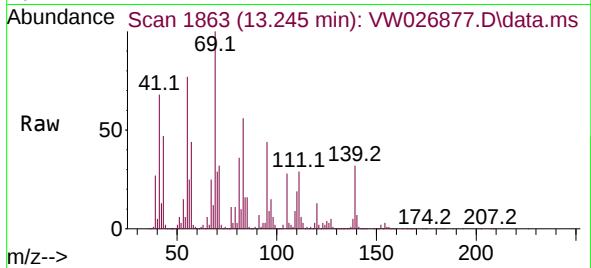




#63
1,2,4-Trimethylbenzene
Concen: 11.866 ug/L
RT: 13.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

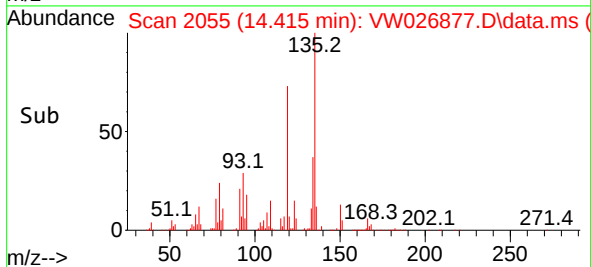
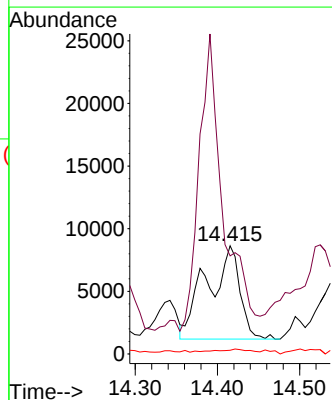
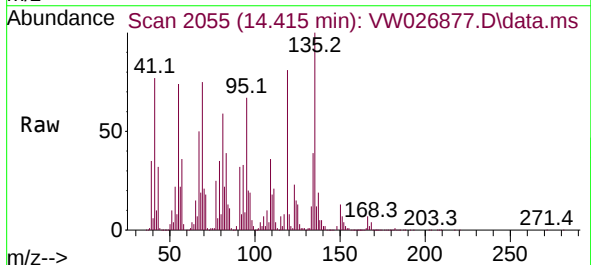
Instrument :
MSVOA_W
ClientSampleId :

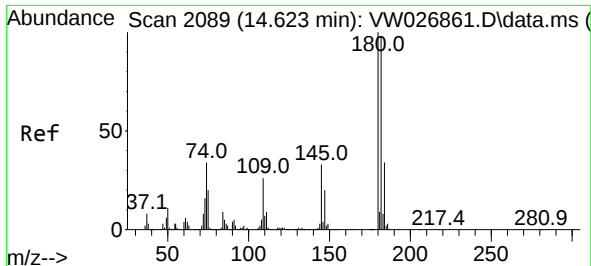
Tgt Ion:105 Resp: 185690
Ion Ratio Lower Upper
105 100
120 44.4 36.2 54.4



#68
1,2-Dibromo-3-chloropropane
Concen: 26.105 ug/L
RT: 14.415 min Scan# 2055
Delta R.T. -0.061 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

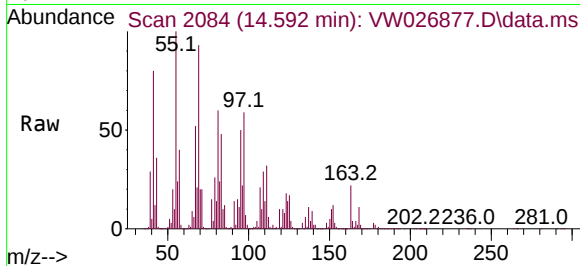
Tgt Ion: 75 Resp: 20745
Ion Ratio Lower Upper
75 100
155 90.7 55.0 82.6#
157 3.4 77.8 116.6#



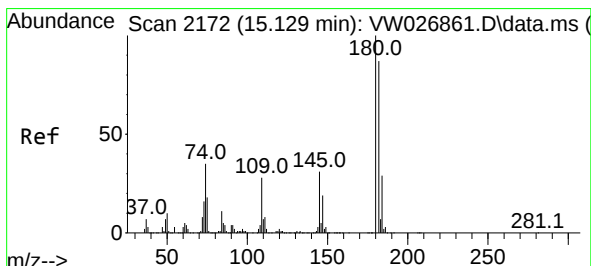
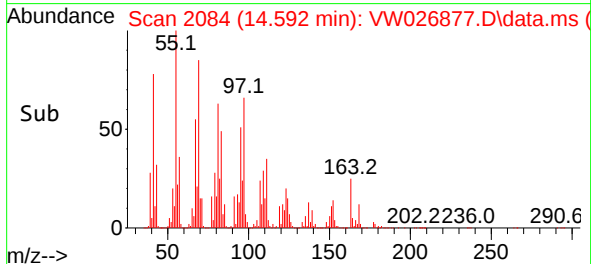
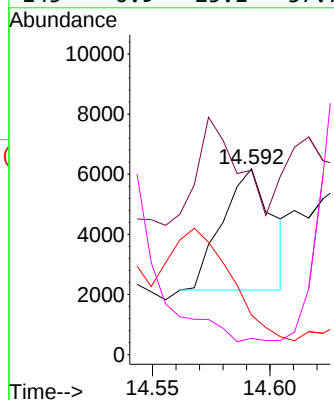


#69
 1,3,5-Trichlorobenzene
 Concen: 1.002 ug/L
 RT: 14.592 min Scan# 2084
 Delta R.T. -0.031 min
 Lab File: VW026877.D
 Acq: 25 Aug 2023 01:41

Instrument :
 MSVOA_W
 ClientSampleId :

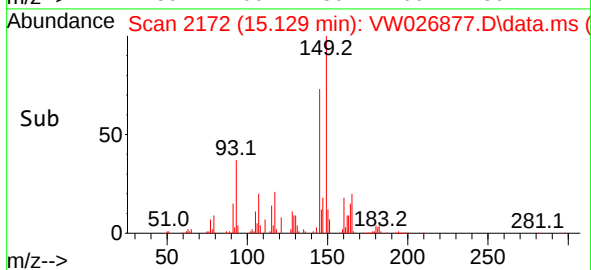
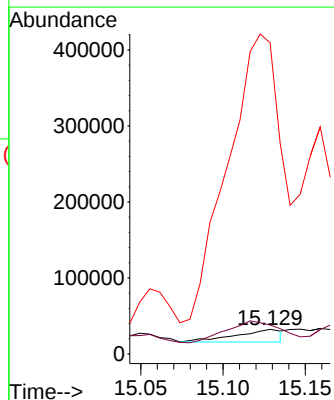
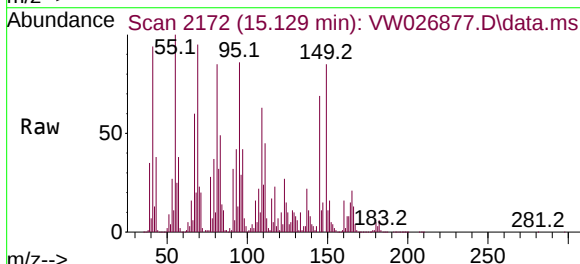


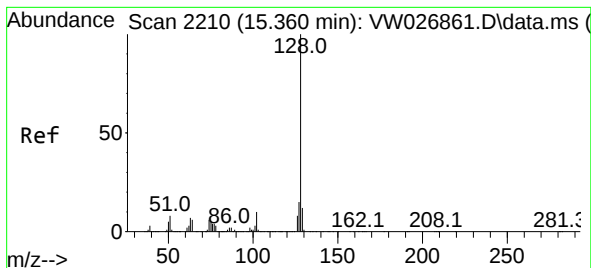
Tgt Ion:180 Resp: 5948
 Ion Ratio Lower Upper
 180 100
 182 59.6 75.2 112.8#
 184 0.0 23.8 35.8#
 145 0.9 25.1 37.7#



#70
 1,2,4-trichlorobenzene
 Concen: 6.403 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. -0.000 min
 Lab File: VW026877.D
 Acq: 25 Aug 2023 01:41

Tgt Ion:180 Resp: 32229
 Ion Ratio Lower Upper
 180 100
 182 234.3 72.5 108.7#
 145 2877.4 24.7 37.1#

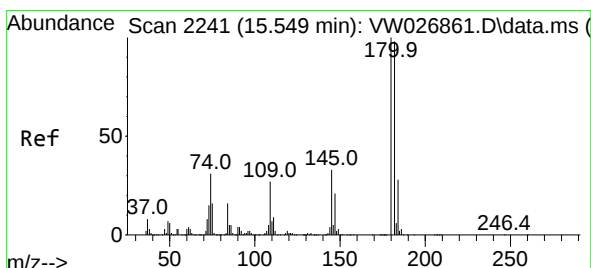
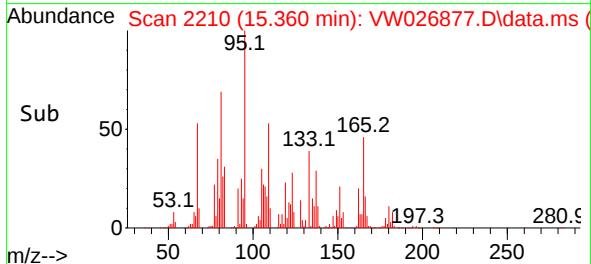
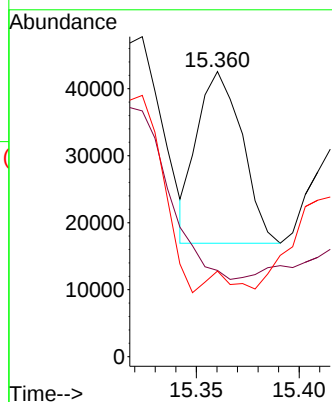
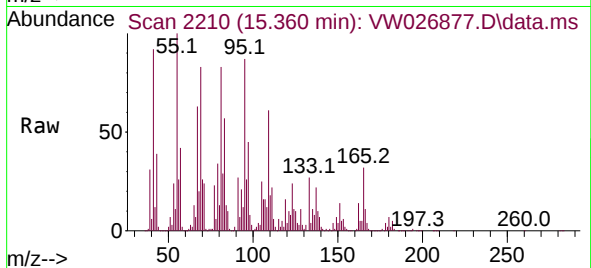




#71
Naphthalene
Concen: 4.070 ug/L
RT: 15.360 min Scan# 2110
Delta R.T. -0.000 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 39077
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 7.5 9.0 13.4#



#72
1,2,3-Trichlorobenzene
Concen: 10.650 ug/L
RT: 15.574 min Scan# 2245
Delta R.T. 0.024 min
Lab File: VW026877.D
Acq: 25 Aug 2023 01:41

Tgt Ion:180 Resp: 48350
Ion Ratio Lower Upper
180 100
182 2.9 74.6 112.0#
145 0.0 27.0 40.6#

