

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082523\
 Data File : VW026922.D
 Acq On : 26 Aug 2023 03:04
 Operator : SY/MD
 Sample : 04175-10
 Misc : 5.23g/10mL/MSVOA_W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 28 01:08:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Aug 26 05:14:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	93834	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	65019	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	21334	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.344	65	23696	15.362	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.440%
7) Chloroethane-d5	2.887	69	23570	20.549	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	4.009	65	15409	20.311	ug/L	-0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.240%
21) 2-Butanone-d5	7.185	46	369	0.832	ug/L	0.10
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.660%#
24) Chloroform-d	7.654	84	73593	23.368	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.480%
26) 1,2-Dichloroethane-d4	8.416	65	172	0.099	ug/L	0.11
Spiked Amount	25.000	Range	70 - 130	Recovery	=	0.400%#
32) Benzene-d6	8.276	84	129260	28.846	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.400%
36) 1,2-Dichloropropane-d6	9.276	67	45075	32.293	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.160%#
41) Toluene-d8	10.325	98	97386	25.318	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.280%
43) trans-1,3-Dichloroprop...	10.581	79	9246	16.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.160%
47) 2-Hexanone-d5	10.928	63	12781	87.143	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	174.280%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	29238	26.524	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.080%
66) 1,2-Dichlorobenzene-d4	13.854	152	18856	24.694	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.760%
Target Compounds						
					Qvalue	
13) Acetone	4.143	43	17612	39.953	ug/L	94
14) Carbon disulfide	4.368	76	81285	16.291	ug/L	99
16) Methylene chloride	4.911	84	7384	4.068	ug/L	96
22) 2-Butanone	7.185	43	3700	5.695	ug/L	100
29) Cyclohexane	7.947	56	31119	15.477	ug/L #	76
33) Benzene	8.319	78	14115	2.981	ug/L	100
34) Trichloroethene	9.087	95	800	0.663	ug/L #	70
38) Bromodichloromethane	9.617	83	1679	1.104	ug/L #	41
42) Toluene	10.386	91	7769	1.622	ug/L	90
45) 1,1,2-Trichloroethane	10.757	97	17506	19.737	ug/L #	20
51) Chlorobenzene	11.654	112	103242	34.124	ug/L	92
52) Ethylbenzene	11.727	91	162981	30.343	ug/L	100
53) m,p-Xylene	11.836	106	16353	8.218	ug/L	96
54) o-Xylene	12.160	106	3352	1.805	ug/L	85
57) 1,1,2,2-Tetrachloroethane	12.690	83	3666	3.264	ug/L	81
60) Isopropylbenzene	12.464	105	95630	30.150	ug/L #	90
62) 1,3,5-Trimethylbenzene	12.940	105	3238	1.292	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	272877	111.073	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.452	75	2977	23.862	ug/L #	11

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Quant Time: Aug 28 01:08:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Aug 26 05:14:45 2023
Response via : Initial Calibration

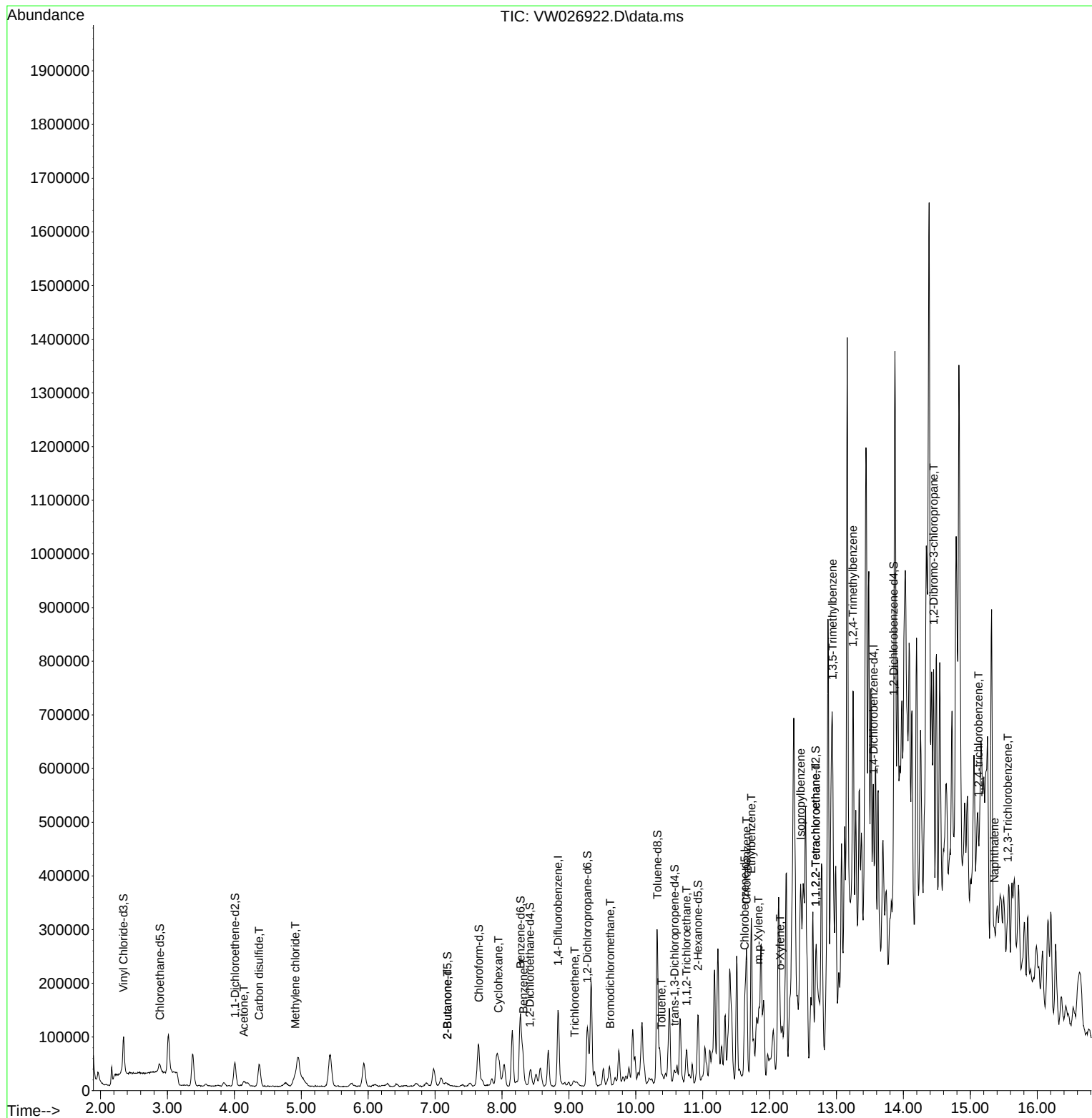
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,4-trichlorobenzene	15.123	180	813	1.029	ug/L #	1
71) Naphthalene	15.360	128	43873	29.108	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.561	180	1517	2.129	ug/L #	1

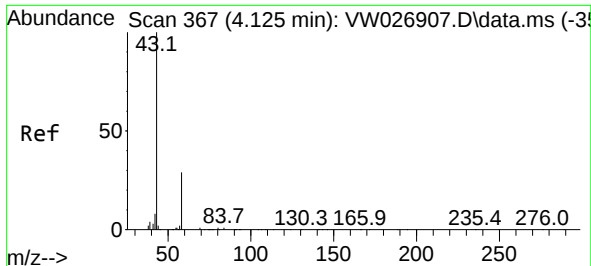
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Sat Aug 26 05:14:45 2023
Response via : Initial Calibration

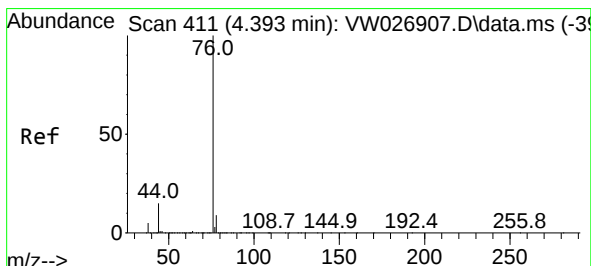
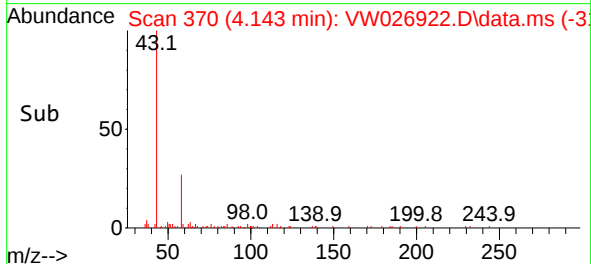
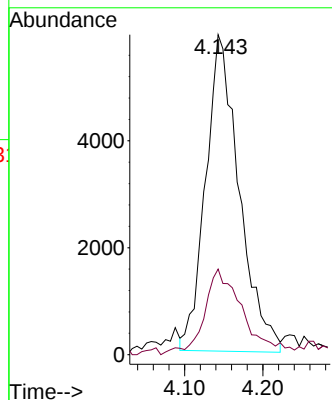
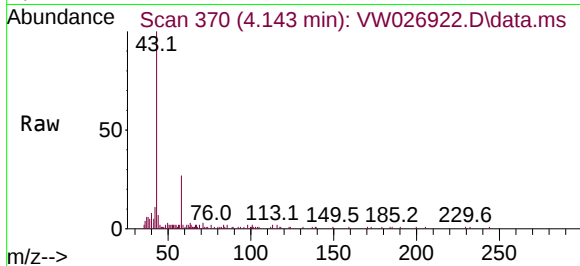




#13
Acetone
Concen: 39.953 ug/L
RT: 4.143 min Scan# 31
Delta R.T. 0.018 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

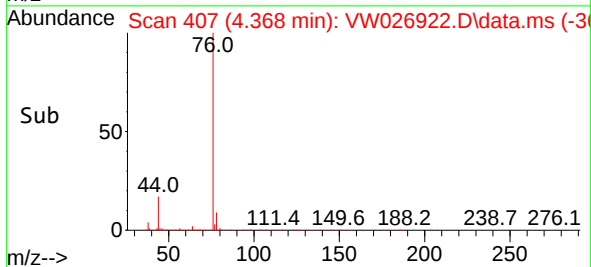
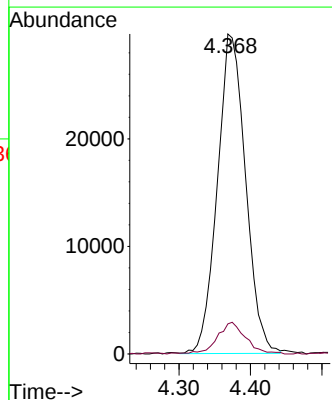
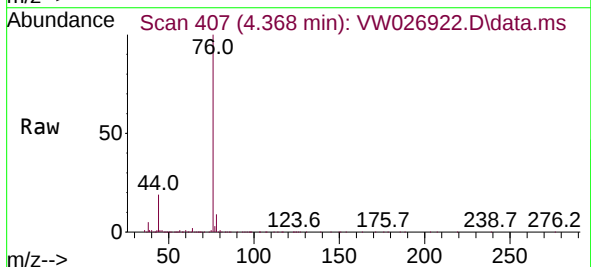
Instrument :
MSVOA_W
ClientSampleId :

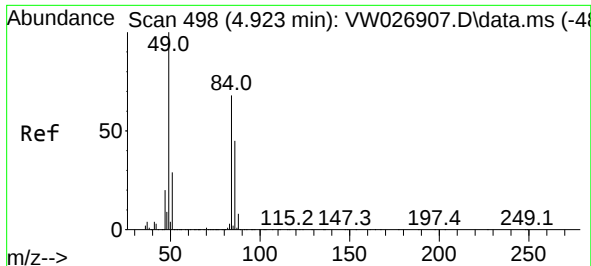
Tgt Ion: 43 Resp: 17612
Ion Ratio Lower Upper
43 100
58 25.5 0.0 57.4



#14
Carbon disulfide
Concen: 16.291 ug/L
RT: 4.368 min Scan# 407
Delta R.T. -0.024 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

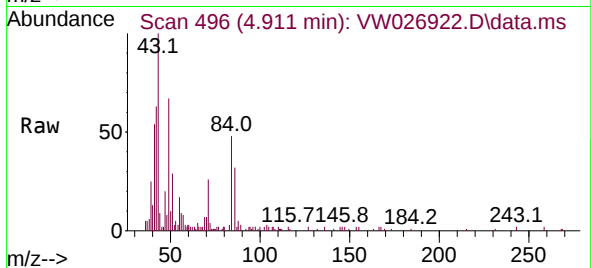
Tgt Ion: 76 Resp: 81285
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



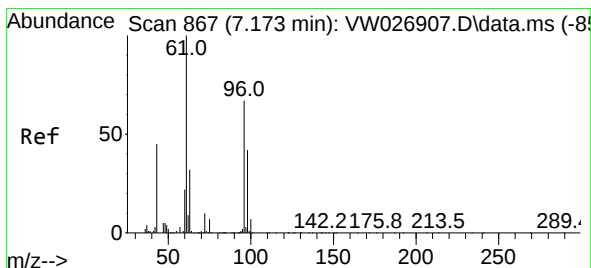
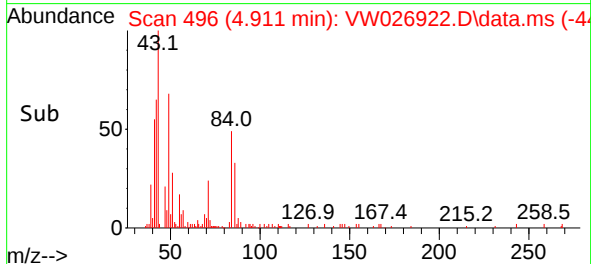
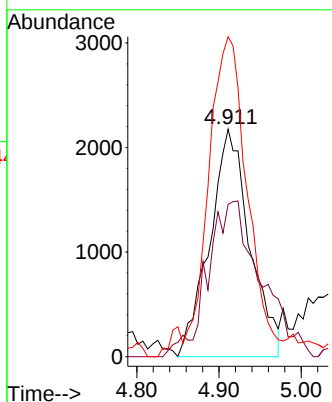


#16
Methylene chloride
Concen: 4.068 ug/L
RT: 4.911 min Scan# 496
Delta R.T. -0.012 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

Instrument :
MSVOA_W
ClientSampleId :

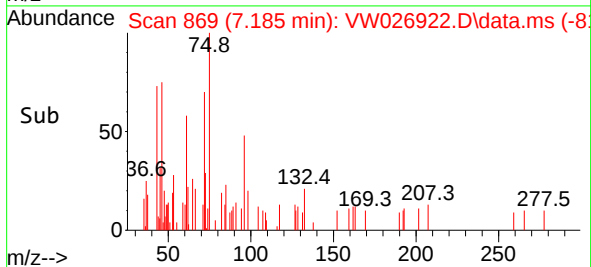
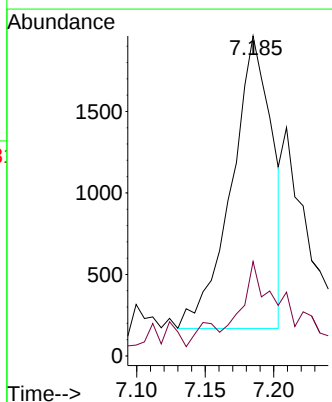
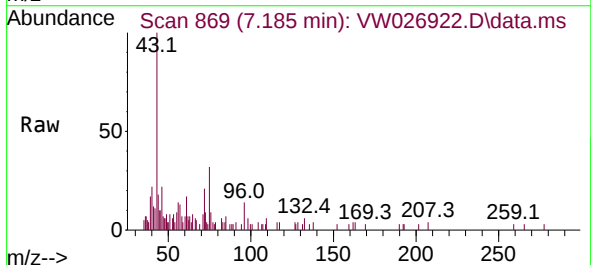


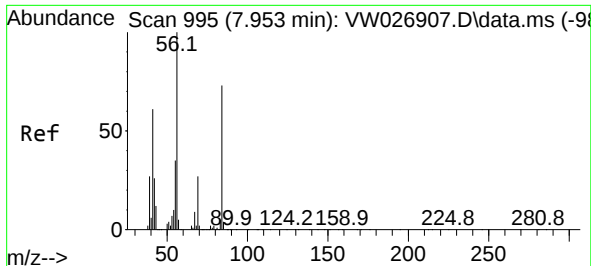
Tgt Ion: 84	Resp:	7384	
Ion	Ratio	Lower	Upper
84	100		
86	67.0	43.5	80.9
49	140.6	96.0	178.2



#22
2-Butanone
Concen: 5.695 ug/L
RT: 7.185 min Scan# 869
Delta R.T. 0.012 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

Tgt Ion: 43	Resp:	3700	
Ion	Ratio	Lower	Upper
43	100		
72	23.8	11.8	35.4

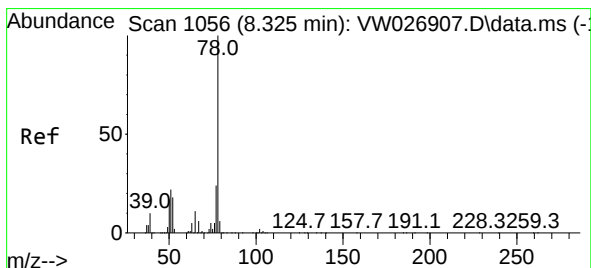
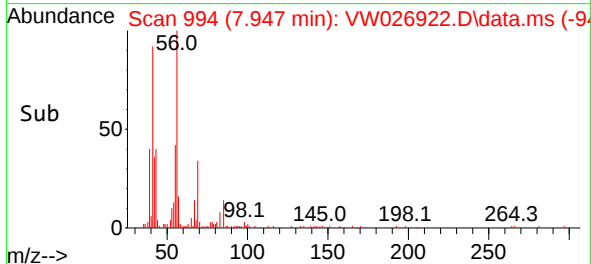
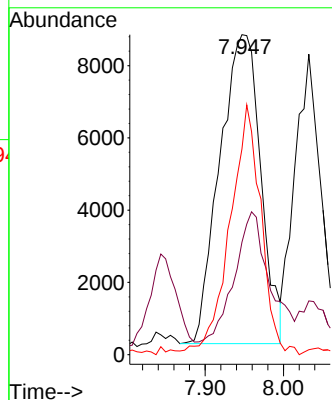
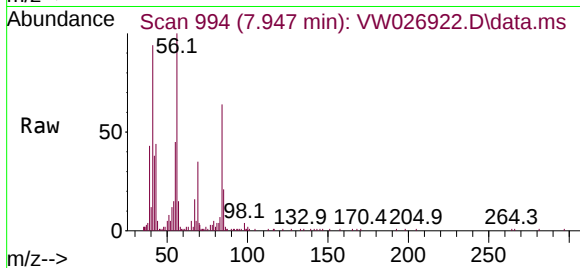




#29
Cyclohexane
Concen: 15.477 ug/L
RT: 7.947 min Scan# 994
Delta R.T. -0.006 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

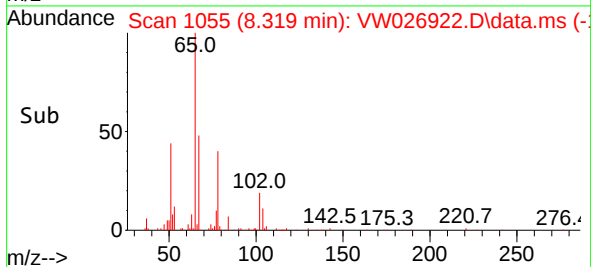
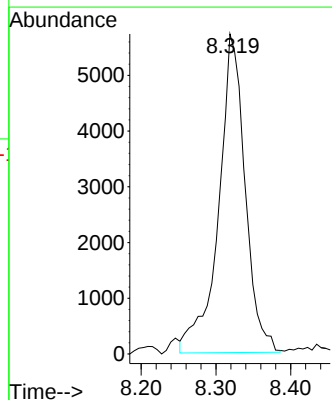
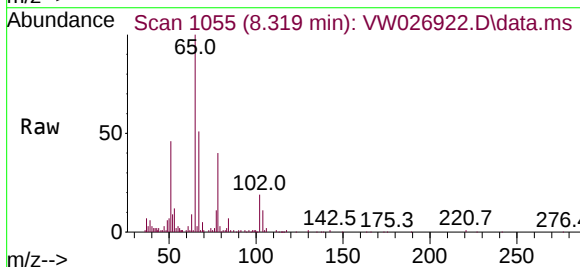
Instrument :
MSVOA_W
ClientSampleId :

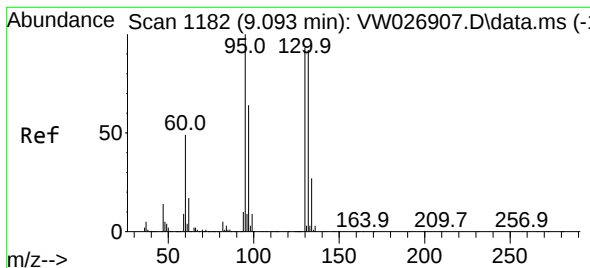
Tgt Ion: 56 Resp: 31119
Ion Ratio Lower Upper
56 100
69 42.7 23.2 34.8#
84 57.5 62.7 94.1#



#33
Benzene
Concen: 2.981 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

Tgt Ion: 78 Resp: 14115





#34

Trichloroethene

Concen: 0.663 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

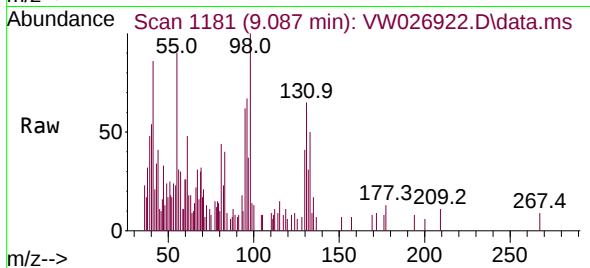
Lab File: VW026922.D

Acq: 26 Aug 2023 03:04

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 800

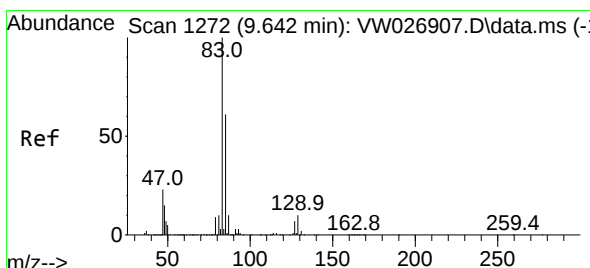
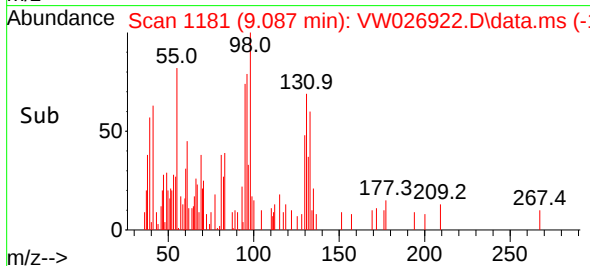
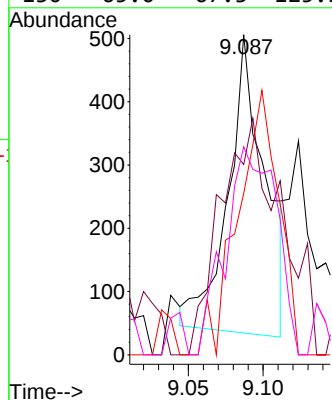
Ion Ratio Lower Upper

95 100

97 59.5 44.6 82.8

132 50.4 66.4 123.2#

130 65.0 67.3 125.1#



#38

Bromodichloromethane

Concen: 1.104 ug/L

RT: 9.617 min Scan# 1268

Delta R.T. -0.024 min

Lab File: VW026922.D

Acq: 26 Aug 2023 03:04

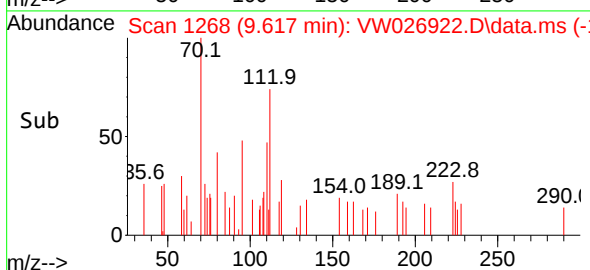
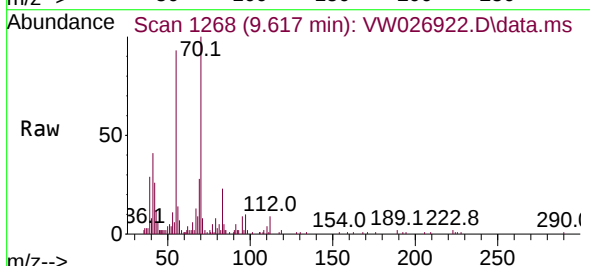
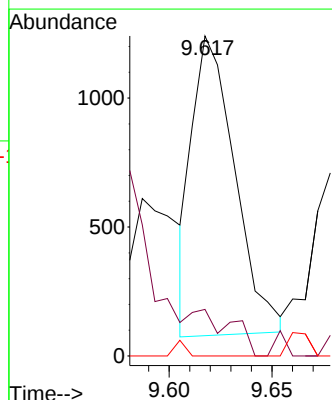
Tgt Ion: 83 Resp: 1679

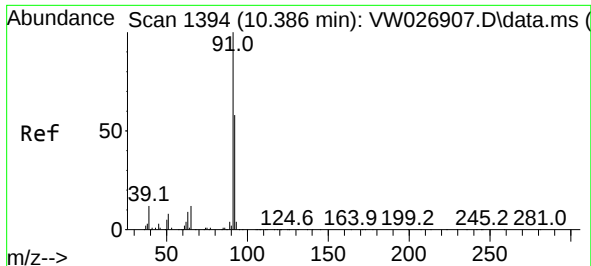
Ion Ratio Lower Upper

83 100

85 14.6 45.4 84.2#

127 0.0 6.2 9.2#

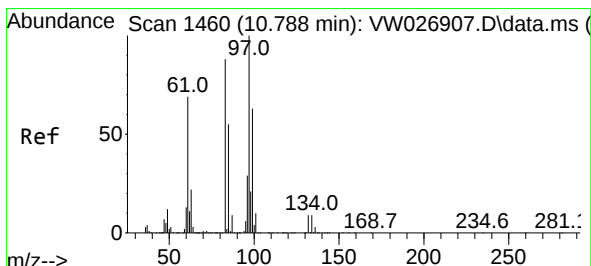
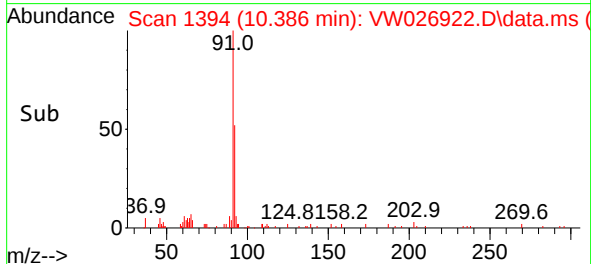
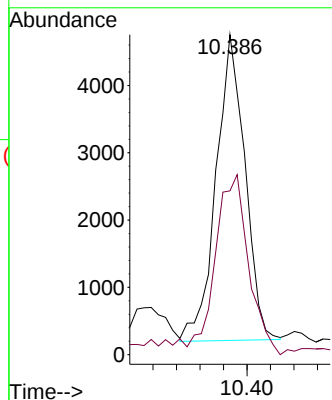
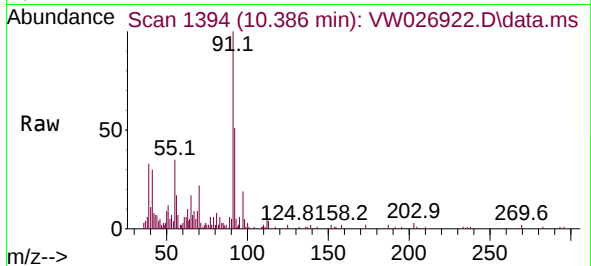




#42
Toluene
Concen: 1.622 ug/L
RT: 10.386 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

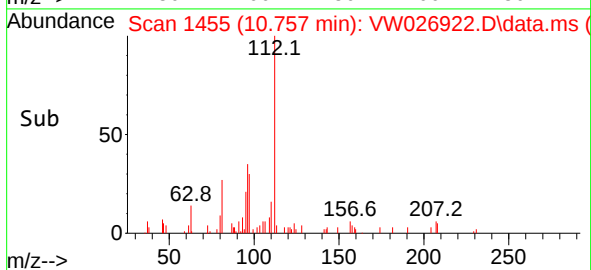
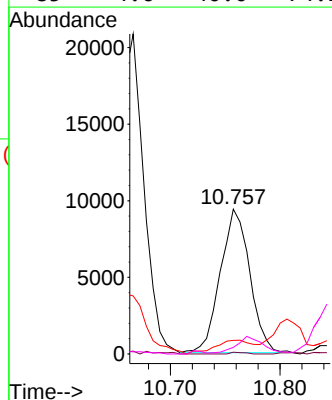
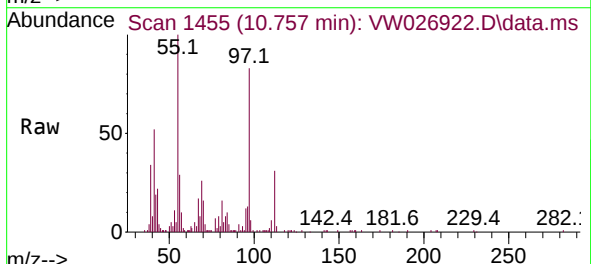
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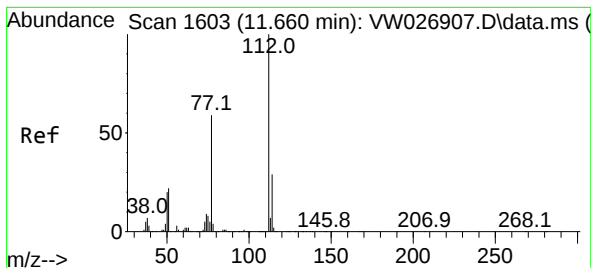
Tgt Ion: 91 Resp: 7769
Ion Ratio Lower Upper
91 100
92 51.2 40.8 75.8



#45
1,1,2-Trichloroethane
Concen: 19.737 ug/L
RT: 10.757 min Scan# 1455
Delta R.T. -0.031 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

Tgt Ion: 97 Resp: 17506
Ion Ratio Lower Upper
97 100
99 1.2 44.2 82.0#
83 9.3 61.9 114.9#
85 4.6 40.0 74.2#





#51

Chlorobenzene

Concen: 34.124 ug/L

RT: 11.654 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026922.D

Acq: 26 Aug 2023 03:04

Instrument :

MSVOA_W

ClientSampleId :

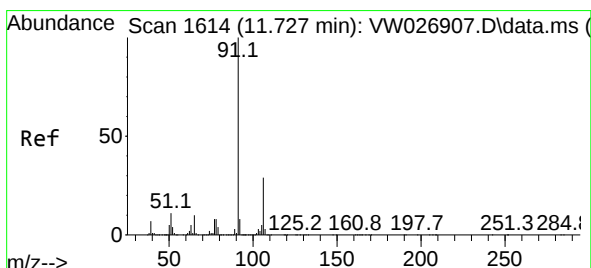
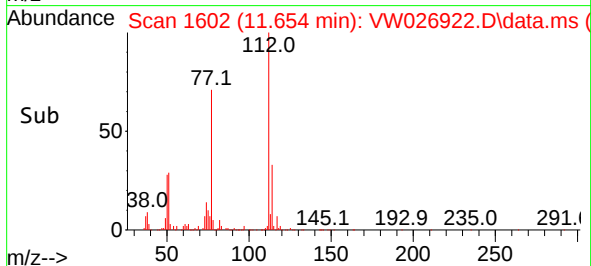
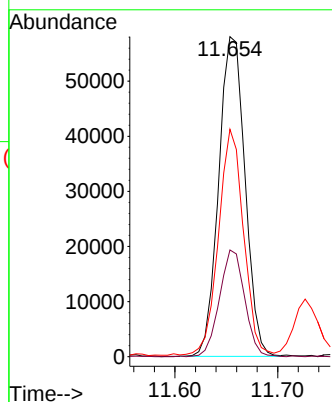
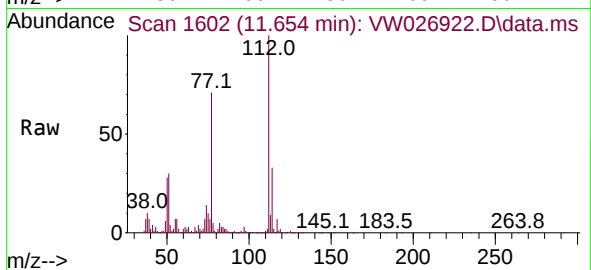
Tgt Ion:112 Resp: 103242

Ion Ratio Lower Upper

112 100

114 33.3 22.4 41.6

77 71.1 50.2 75.2



#52

Ethylbenzene

Concen: 30.343 ug/L

RT: 11.727 min Scan# 1614

Delta R.T. -0.000 min

Lab File: VW026922.D

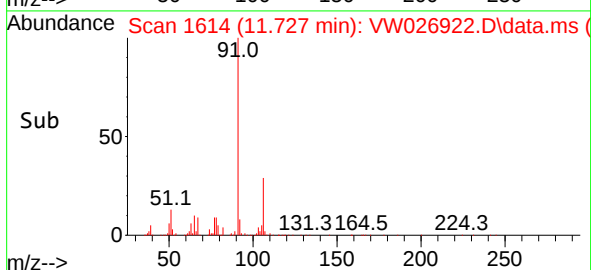
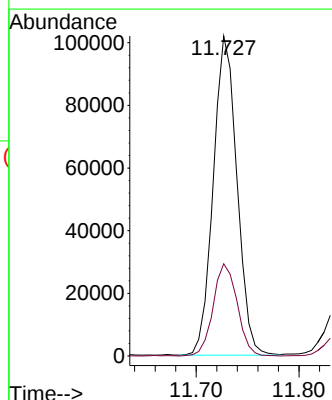
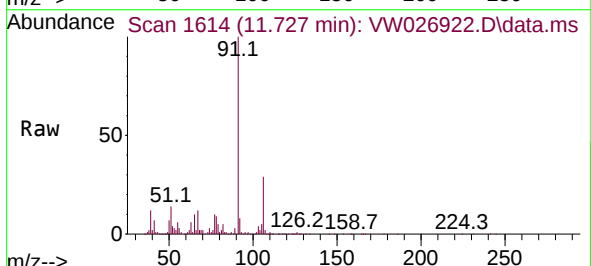
Acq: 26 Aug 2023 03:04

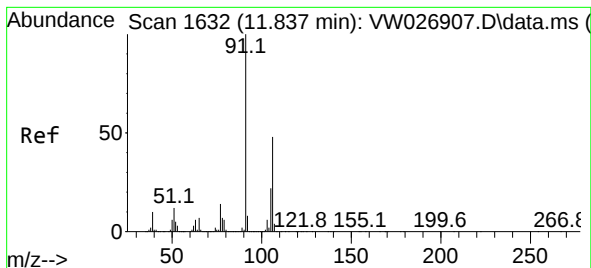
Tgt Ion: 91 Resp: 162981

Ion Ratio Lower Upper

91 100

106 28.8 20.2 37.6

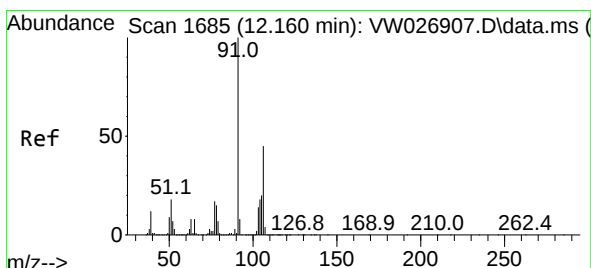
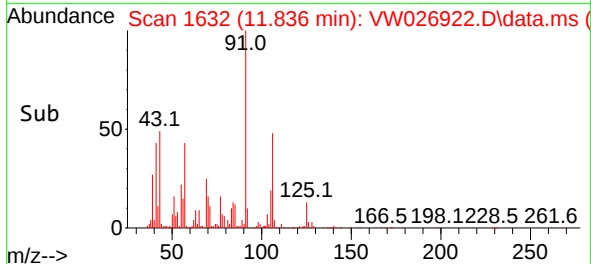
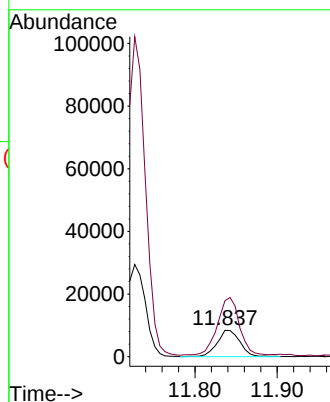
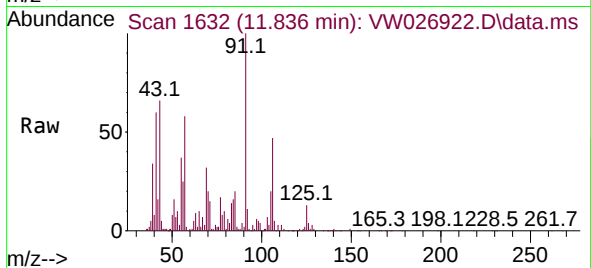




#53
m,p-Xylene
Concen: 8.218 ug/L
RT: 11.836 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

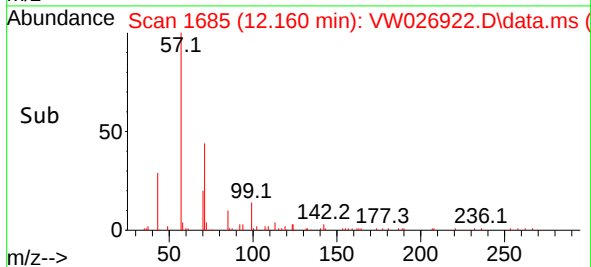
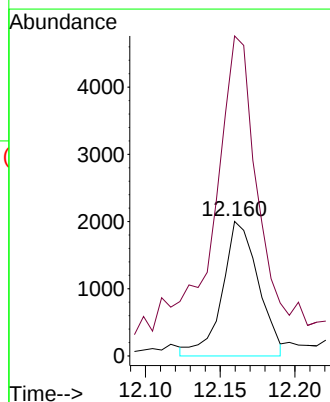
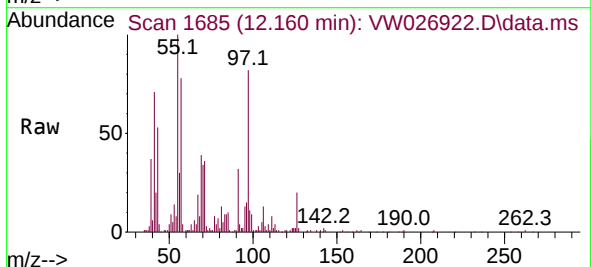
Instrument :
MSVOA_W
ClientSampleId :

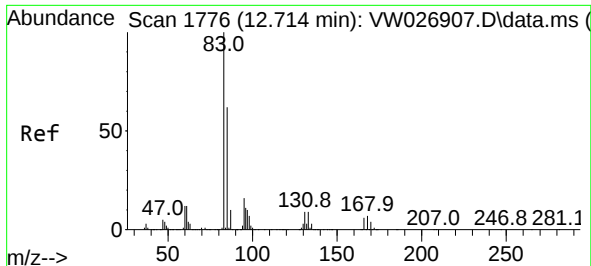
Tgt Ion:106 Resp: 16353
Ion Ratio Lower Upper
106 100
91 211.5 152.9 284.1



#54
o-Xylene
Concen: 1.805 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

Tgt Ion:106 Resp: 3352
Ion Ratio Lower Upper
106 100
91 237.7 149.9 278.3





#57

1,1,2-Tetrachloroethane

Concen: 3.264 ug/L

RT: 12.690 min Scan# 1

Delta R.T. -0.024 min

Lab File: VW026922.D

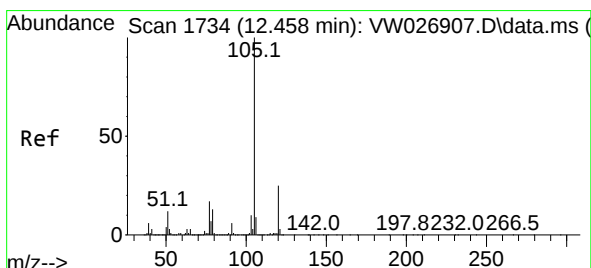
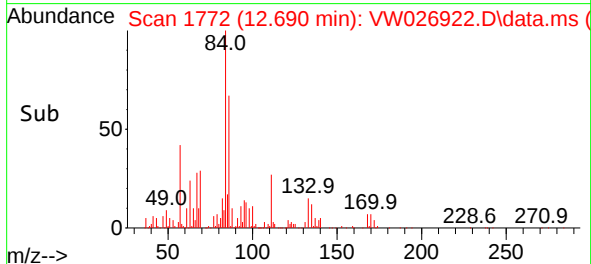
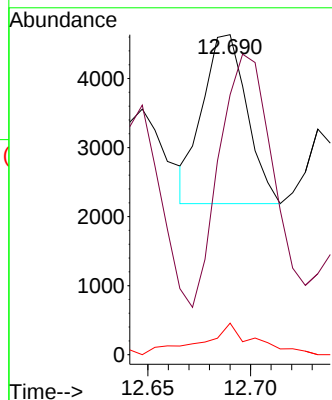
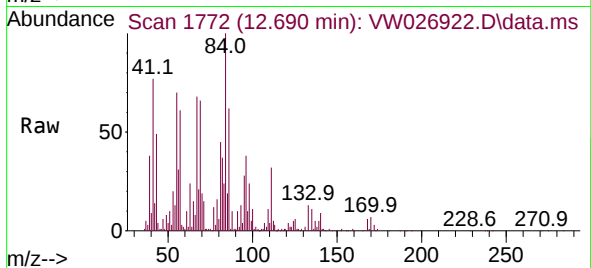
Acq: 26 Aug 2023 03:04

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp: 3666
Ion Ratio	Lower Upper
83	100
85	81.3 44.9 83.3
131	9.8 7.4 11.0



#60

Isopropylbenzene

Concen: 30.150 ug/L

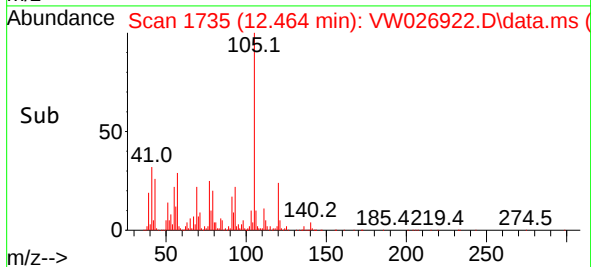
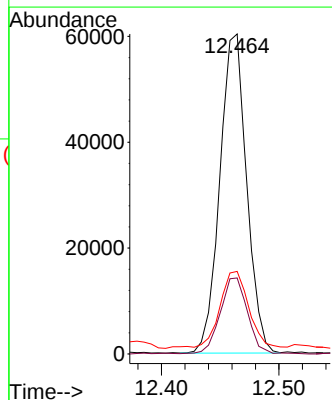
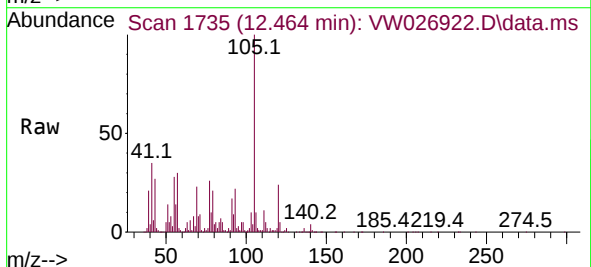
RT: 12.464 min Scan# 1735

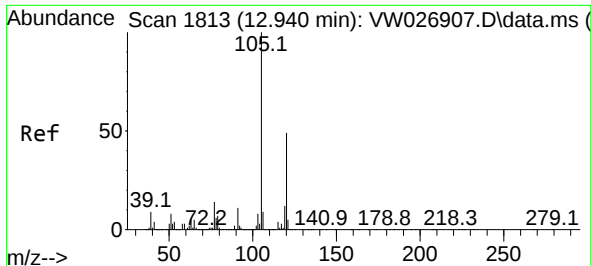
Delta R.T. 0.006 min

Lab File: VW026922.D

Acq: 26 Aug 2023 03:04

Tgt Ion: 105	Resp: 95630
Ion Ratio	Lower Upper
105	100
120	23.8 21.0 31.6
77	24.8 13.4 20.2

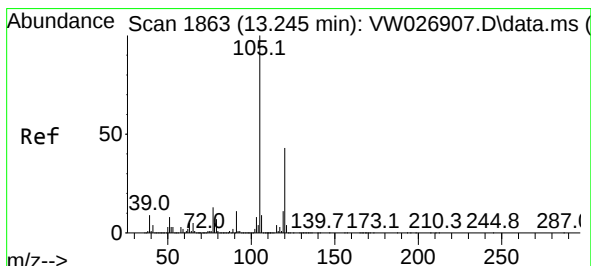
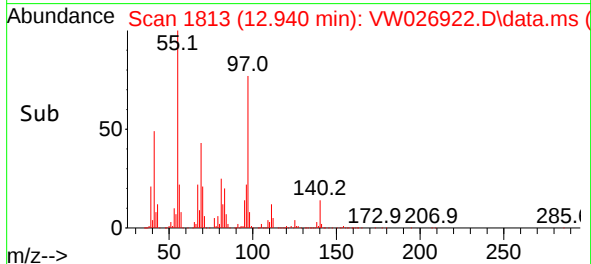
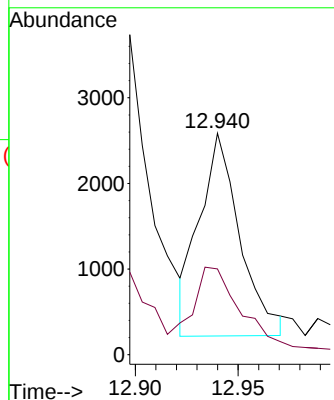
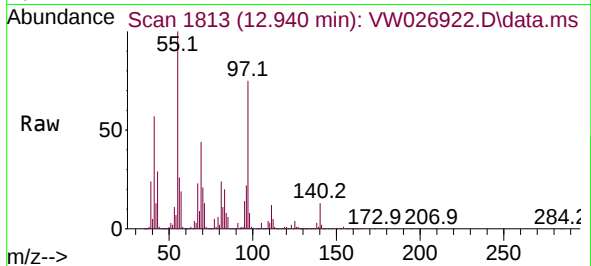




#62
1,3,5-Trimethylbenzene
Concen: 1.292 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

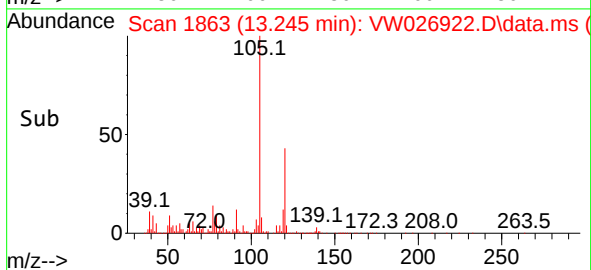
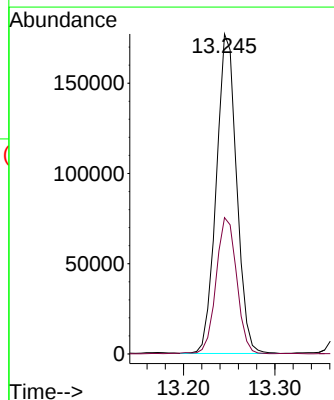
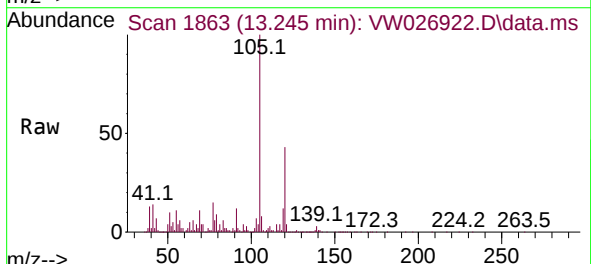
Instrument :
MSVOA_W
ClientSampleId :

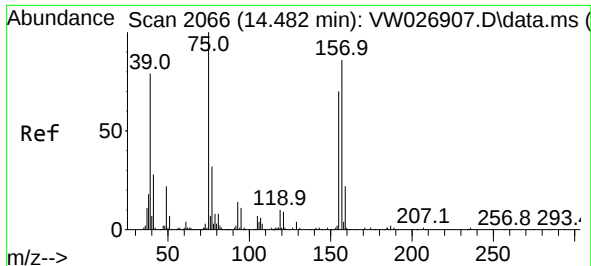
Tgt Ion:105 Resp: 3238
Ion Ratio Lower Upper
105 100
120 48.5 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 111.073 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW026922.D
Acq: 26 Aug 2023 03:04

Tgt Ion:105 Resp: 272877
Ion Ratio Lower Upper
105 100
120 43.0 36.2 54.4

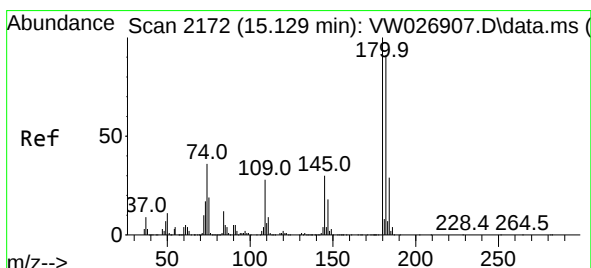
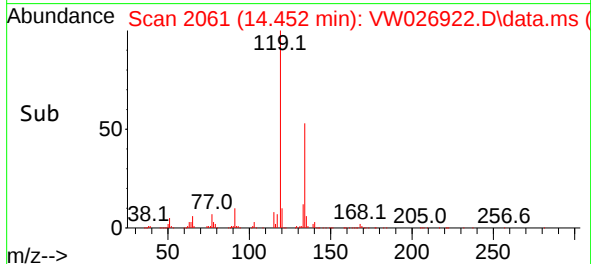
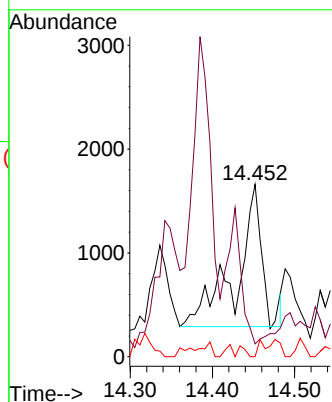
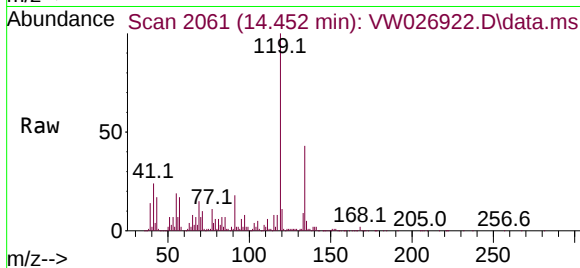




#68
 1,2-Dibromo-3-chloropropane
 Concen: 23.862 ug/L
 RT: 14.452 min Scan# 2066
 Delta R.T. -0.031 min
 Lab File: VW026922.D
 Acq: 26 Aug 2023 03:04

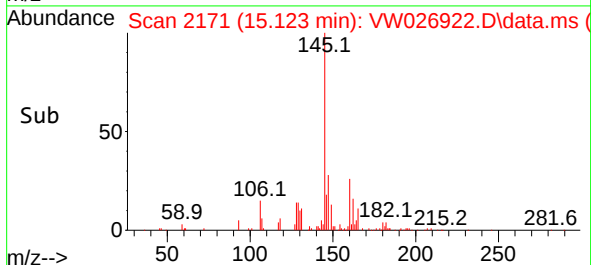
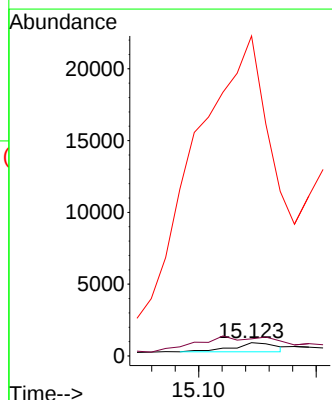
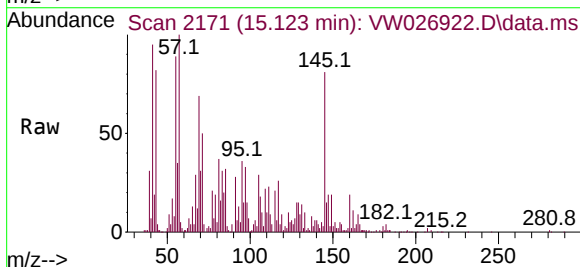
Instrument :
 MSVOA_W
 ClientSampleId :

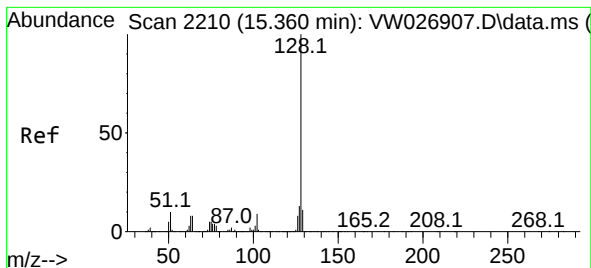
Tgt Ion: 75 Resp: 2977
 Ion Ratio Lower Upper
 75 100
 155 7.5 55.0 82.6#
 157 0.0 77.8 116.6#



#70
 1,2,4-trichlorobenzene
 Concen: 1.029 ug/L
 RT: 15.123 min Scan# 2171
 Delta R.T. -0.006 min
 Lab File: VW026922.D
 Acq: 26 Aug 2023 03:04

Tgt Ion:180 Resp: 813
 Ion Ratio Lower Upper
 180 100
 182 140.3 72.5 108.7#
 145 6125.5 24.7 37.1#





#71

Naphthalene

Concen: 29.108 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW026922.D

Acq: 26 Aug 2023 03:04

Instrument :

MSVOA_W

ClientSampleId :

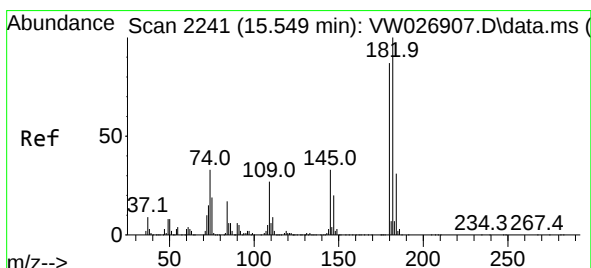
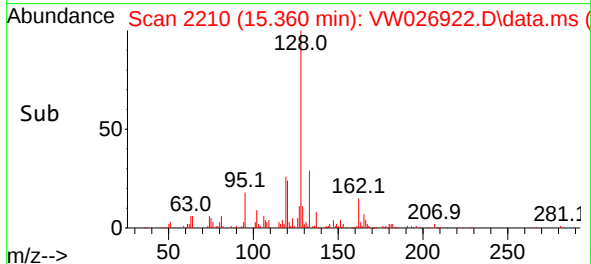
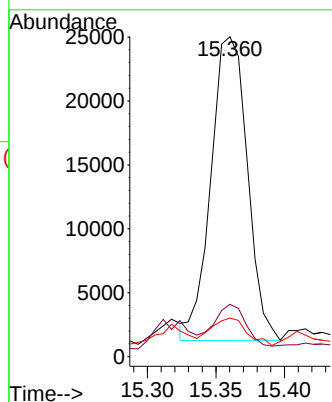
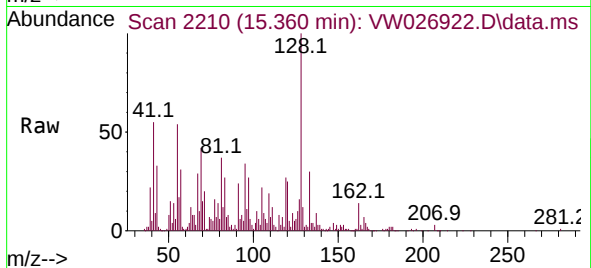
Tgt Ion:128 Resp: 43873

Ion Ratio Lower Upper

128 100

127 11.7 10.7 16.1

129 8.7 9.0 13.4#



#72

1,2,3-Trichlorobenzene

Concen: 2.129 ug/L

RT: 15.561 min Scan# 2243

Delta R.T. 0.012 min

Lab File: VW026922.D

Acq: 26 Aug 2023 03:04

Tgt Ion:180 Resp: 1517

Ion Ratio Lower Upper

180 100

182 196.8 74.6 112.0#

145 1219.2 27.0 40.6#

