

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082923\
 Data File : VW026951.D
 Acq On : 29 Aug 2023 15:23
 Operator : SY/MD
 Sample : 04175-22
 Misc : 5.44g/10mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 29 20:49:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Aug 29 20:47:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	19145	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	15123	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	3903	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.473	65	235	0.747	ug/L	0.11
Spiked Amount	25.000	Range	30 - 150	Recovery	=	3.000%#
7) Chloroethane-d5	2.899	69	5573	23.813	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.240%
11) 1,1-Dichloroethene-d2	4.015	65	995	6.428	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	25.720%#
21) 2-Butanone-d5	7.069	46	199	2.200	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	4.400%#
24) Chloroform-d	7.648	84	13955	21.718	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.880%
26) 1,2-Dichloroethane-d4	8.307	65	7599	21.430	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.720%
32) Benzene-d6	8.276	84	23605	22.648	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	9.276	67	9396	28.941	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.760%
41) Toluene-d8	10.325	98	17320	19.359	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	77.440%
43) trans-1,3-Dichloroprop...	10.587	79	1616	12.056	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	48.240%
47) 2-Hexanone-d5	10.965	63	136	3.987	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	7.980%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	6941	27.072	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.280%
66) 1,2-Dichlorobenzene-d4	13.849	152	3805	27.237	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	108.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.284	85	194	0.745	ug/L	96
3) Chloromethane	2.259	50	481	1.351	ug/L	85
13) Acetone	4.131	43	3712	41.271	ug/L	94
14) Carbon disulfide	4.387	76	701	0.689	ug/L #	81
22) 2-Butanone	7.191	43	536	4.044	ug/L	78
34) Trichloroethene	9.081	95	318	1.134	ug/L #	39
45) 1,1,2-Trichloroethane	10.776	97	208	1.008	ug/L #	62
50) 1,2-Dibromoethane	11.227	107	262	1.353	ug/L #	76
53) m,p-Xylene	11.837	106	412	0.890	ug/L	97
54) o-Xylene	12.142	106	270	0.625	ug/L	66
57) 1,1,2,2-Tetrachloroethane	12.715	83	547	2.094	ug/L #	68
59) Bromoform	12.355	173	72	1.178	ug/L #	3
60) Isopropylbenzene	12.452	105	398	0.686	ug/L #	1
61) 1,2,3-Trichloropropane	13.154	75	449	4.743	ug/L	94
62) 1,3,5-Trimethylbenzene	13.251	105	485	1.057	ug/L	90
63) 1,2,4-Trimethylbenzene	13.812	105	343	0.763	ug/L	94
64) 1,3-Dichlorobenzene	13.489	146	206	0.816	ug/L #	1
67) 1,2-Dichlorobenzene	13.879	146	221	0.963	ug/L #	1
70) 1,2,4-trichlorobenzene	15.129	180	125	0.865	ug/L #	40

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Aug 29 20:47:20 2023
Response via : Initial Calibration

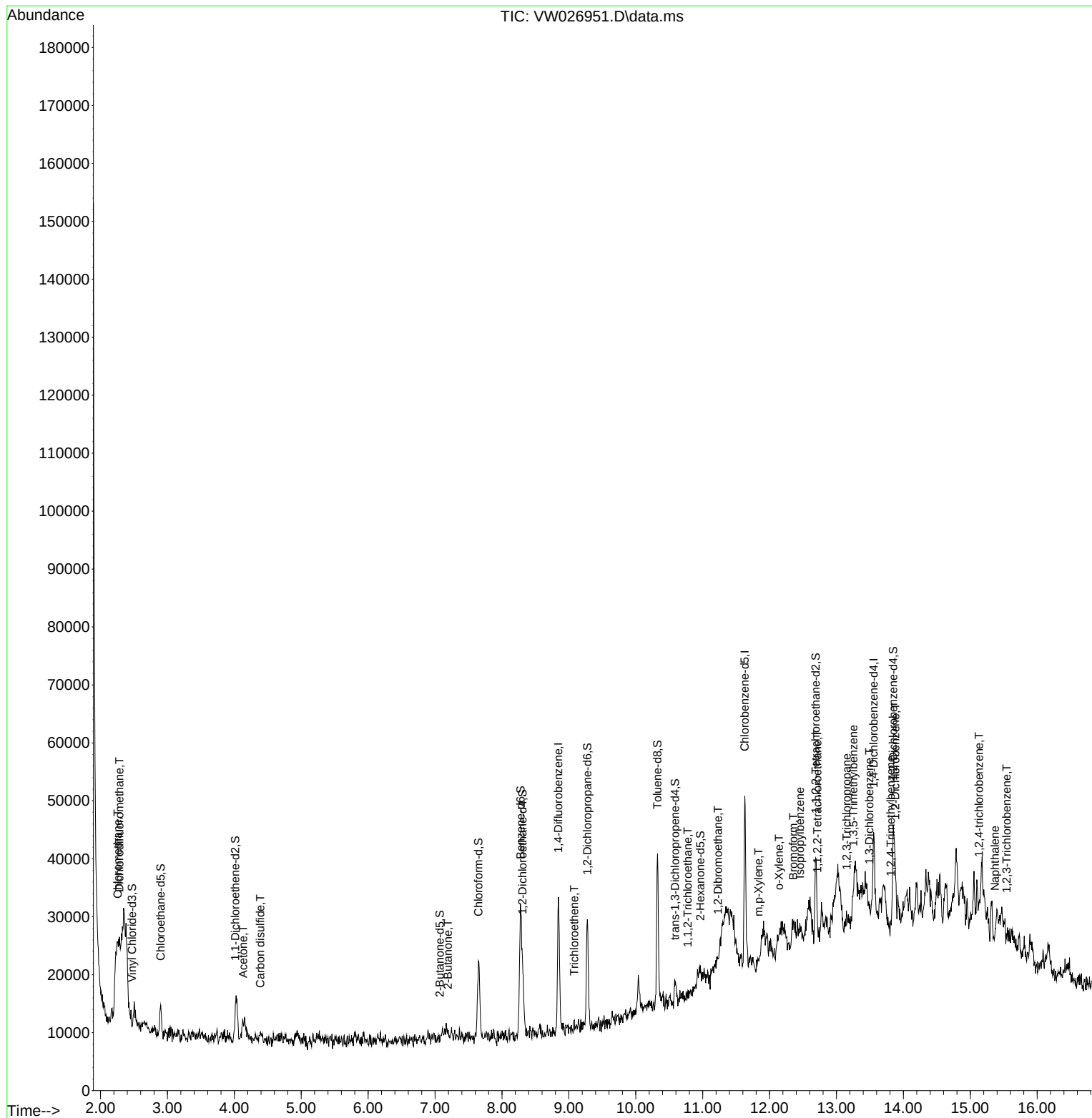
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.367	128	331	1.200	ug/L #	42
72) 1,2,3-Trichlorobenzene	15.543	180	103	0.790	ug/L #	1

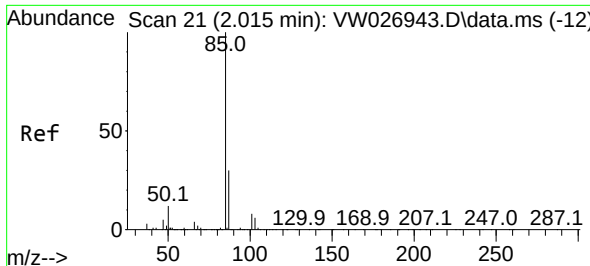
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
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QLast Update : Tue Aug 29 20:47:20 2023
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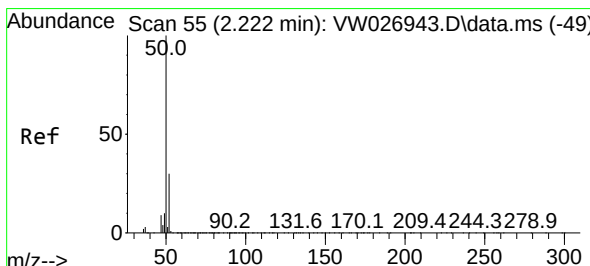
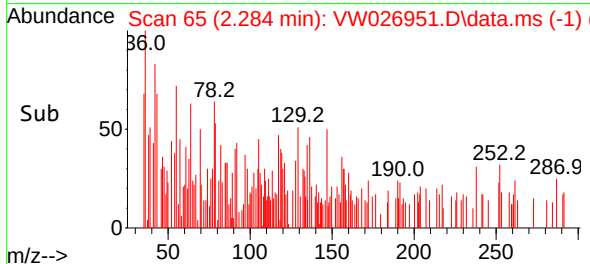
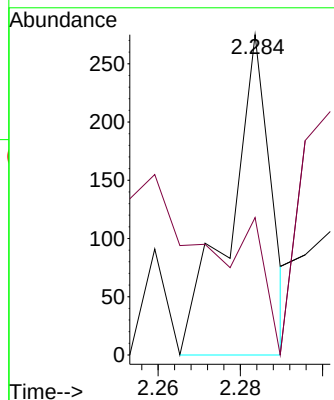
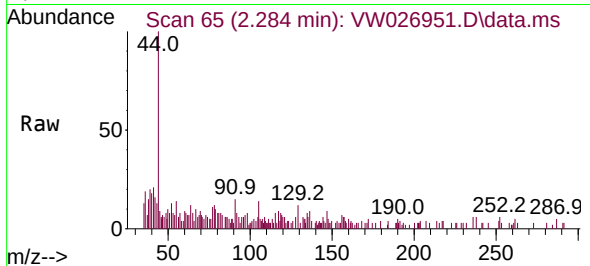




#2
 Dichlorodifluoromethane
 Concen: 0.745 ug/L
 RT: 2.284 min Scan# 61
 Delta R.T. 0.268 min
 Lab File: VW026951.D
 Acq: 29 Aug 2023 15:23

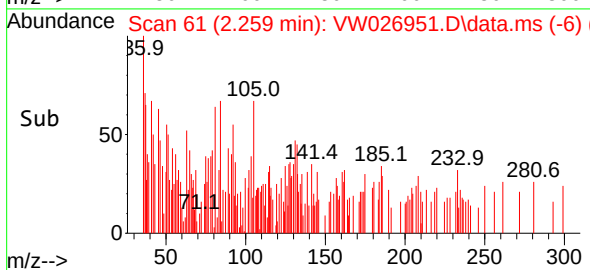
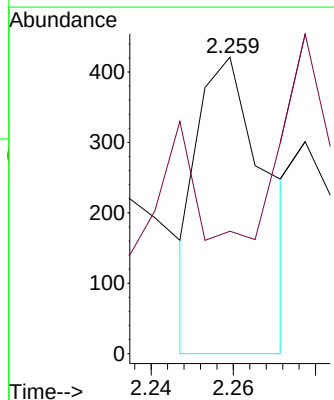
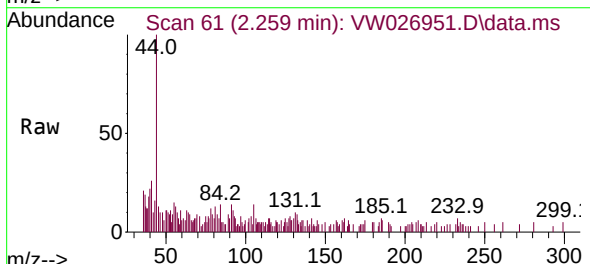
Instrument :
 MSVOA_W
 ClientSampleId :

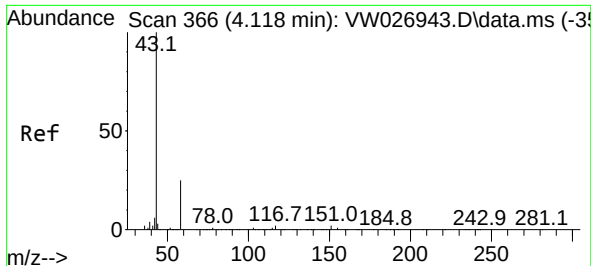
Tgt Ion: 85 Resp: 194
 Ion Ratio Lower Upper
 85 100
 87 22.2 19.5 29.3



#3
 Chloromethane
 Concen: 1.351 ug/L
 RT: 2.259 min Scan# 61
 Delta R.T. 0.037 min
 Lab File: VW026951.D
 Acq: 29 Aug 2023 15:23

Tgt Ion: 50 Resp: 481
 Ion Ratio Lower Upper
 50 100
 52 41.3 23.0 42.8

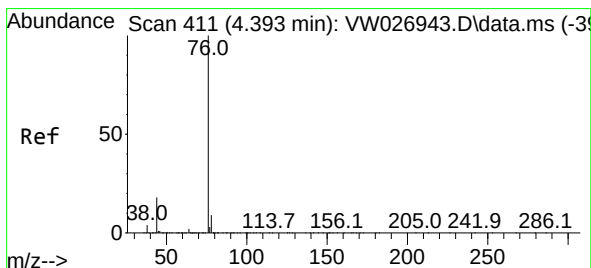
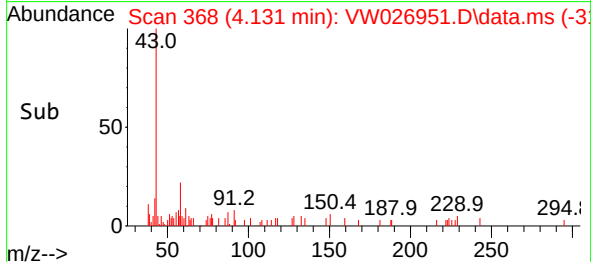
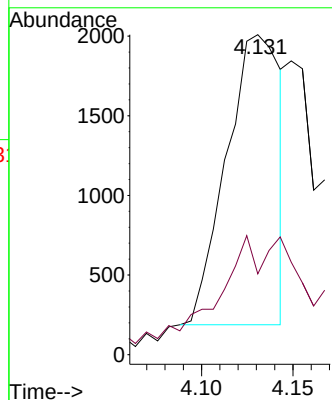
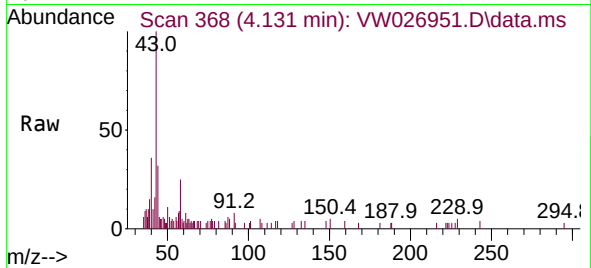




#13
Acetone
Concen: 41.271 ug/L
RT: 4.131 min Scan# 3712
Delta R.T. 0.012 min
Lab File: VW026951.D
Acq: 29 Aug 2023 15:23

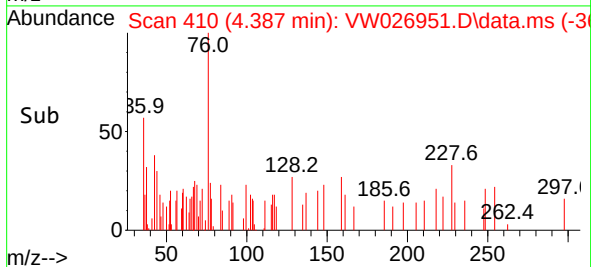
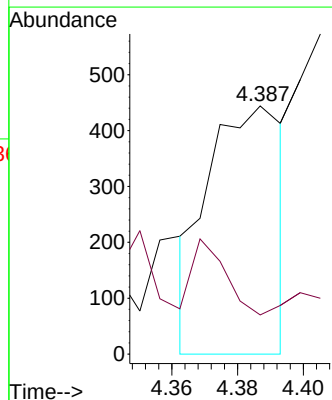
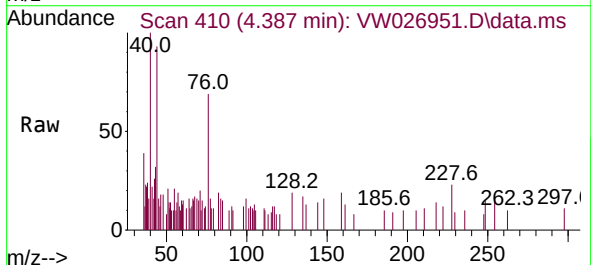
Instrument :
MSVOA_W
ClientSampleId :

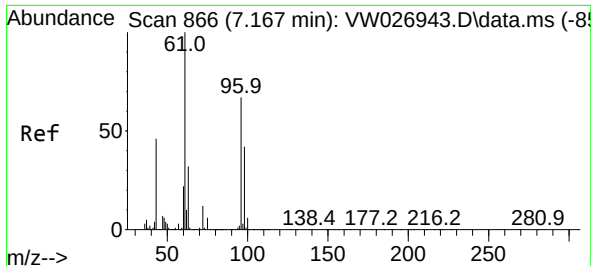
Tgt Ion: 43 Resp: 3712
Ion Ratio Lower Upper
43 100
58 31.9 0.0 57.4



#14
Carbon disulfide
Concen: 0.689 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.006 min
Lab File: VW026951.D
Acq: 29 Aug 2023 15:23

Tgt Ion: 76 Resp: 701
Ion Ratio Lower Upper
76 100
78 15.8 7.1 10.7#

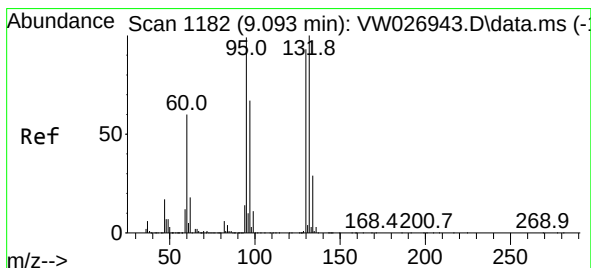
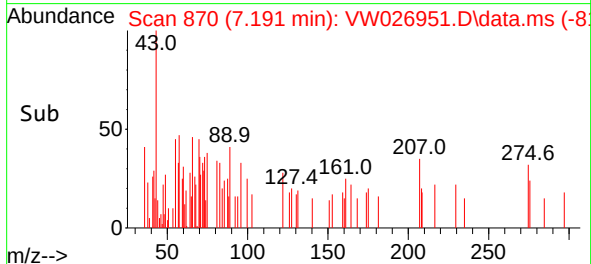
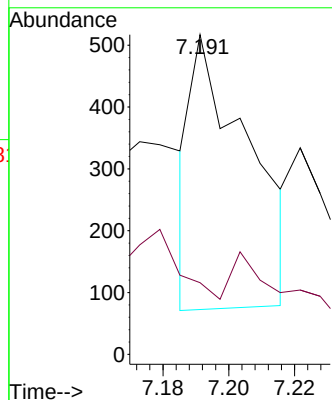
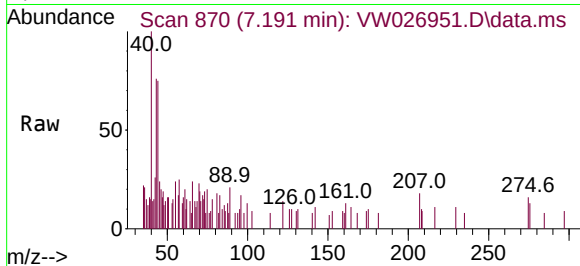




#22
2-Butanone
Concen: 4.044 ug/L
RT: 7.191 min Scan# 81
Delta R.T. 0.025 min
Lab File: VW026951.D
Acq: 29 Aug 2023 15:23

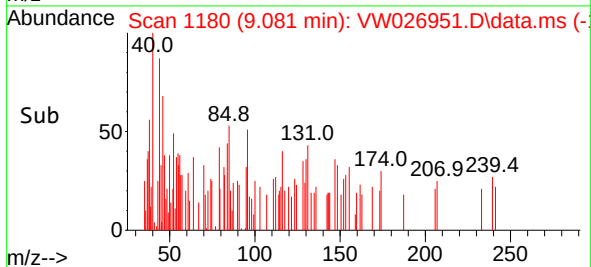
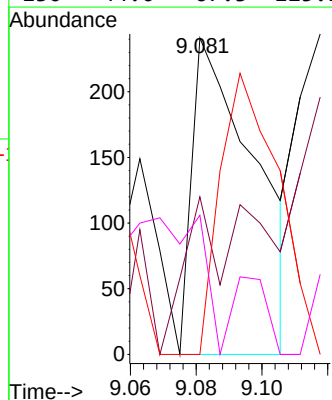
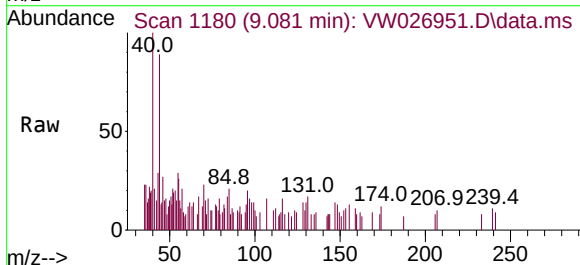
Instrument :
MSVOA_W
ClientSampleId :

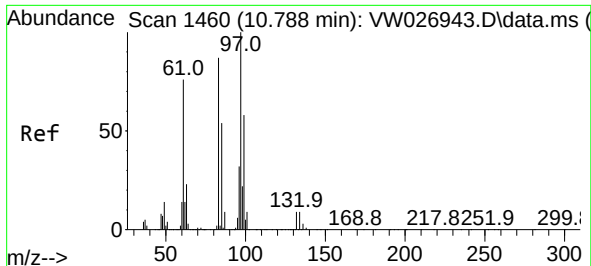
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
72 12.9 11.8 35.4



#34
Trichloroethene
Concen: 1.134 ug/L
RT: 9.081 min Scan# 1180
Delta R.T. -0.012 min
Lab File: VW026951.D
Acq: 29 Aug 2023 15:23

Tgt Ion: 95 Resp: 318
Ion Ratio Lower Upper
95 100
97 49.8 44.6 82.8
132 0.0 66.4 123.2#
130 44.0 67.3 125.1#





#45

1,1,2-Trichloroethane

Concen: 1.008 ug/L

RT: 10.776 min Scan# 1458

Delta R.T. -0.012 min

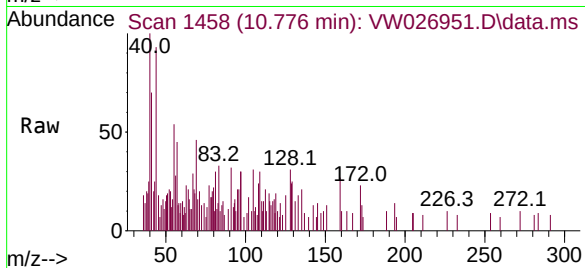
Lab File: VW026951.D

Acq: 29 Aug 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 208

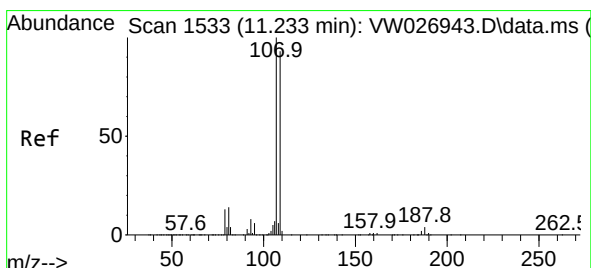
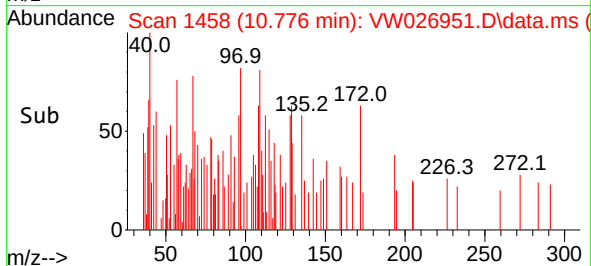
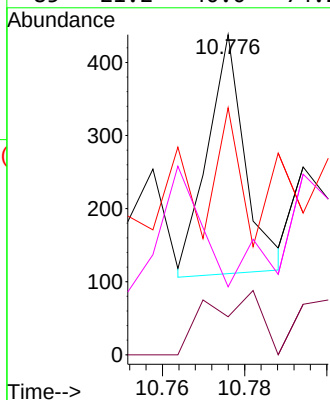
Ion Ratio Lower Upper

97 100

99 11.9 44.2 82.0#

83 77.2 61.9 114.9

85 21.2 40.0 74.2#



#50

1,2-Dibromoethane

Concen: 1.353 ug/L

RT: 11.227 min Scan# 1532

Delta R.T. -0.006 min

Lab File: VW026951.D

Acq: 29 Aug 2023 15:23

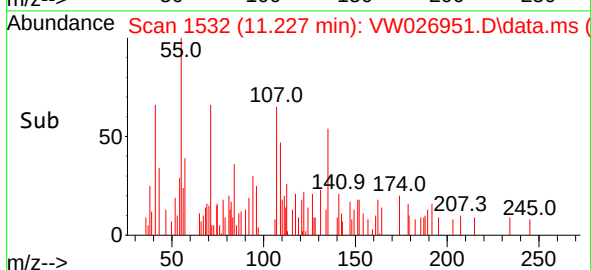
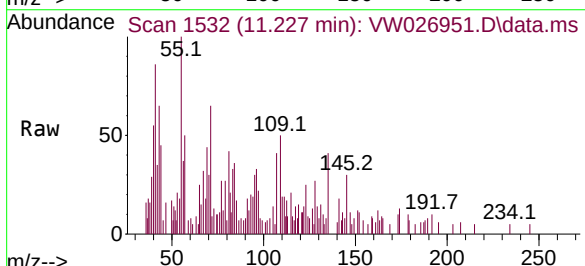
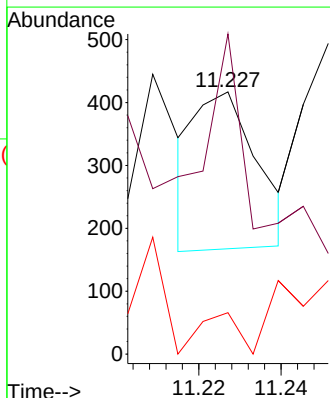
Tgt Ion: 107 Resp: 262

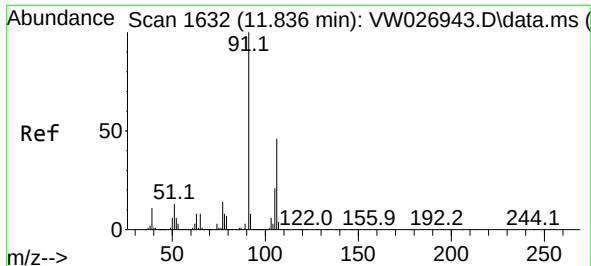
Ion Ratio Lower Upper

107 100

109 122.1 68.8 127.8

188 15.8 2.7 4.1#

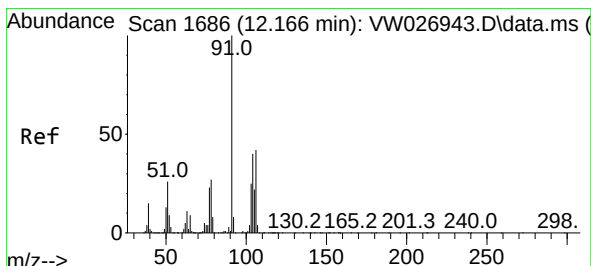
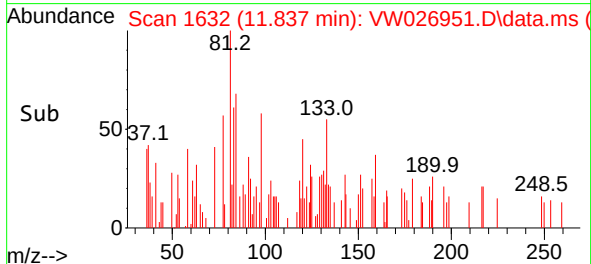
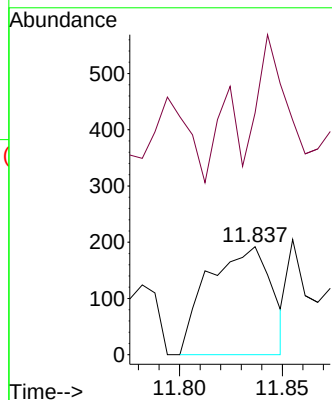
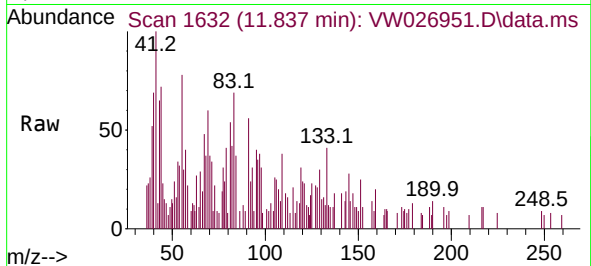




#53
m,p-Xylene
Concen: 0.890 ug/L
RT: 11.837 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW026951.D
Acq: 29 Aug 2023 15:23

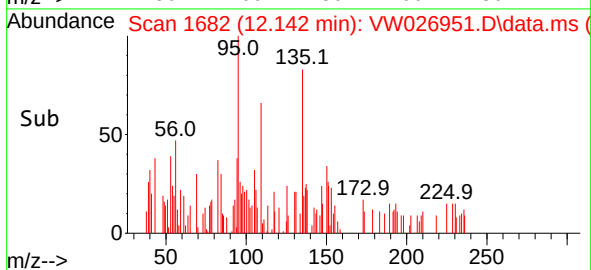
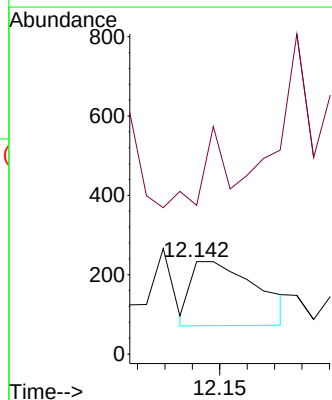
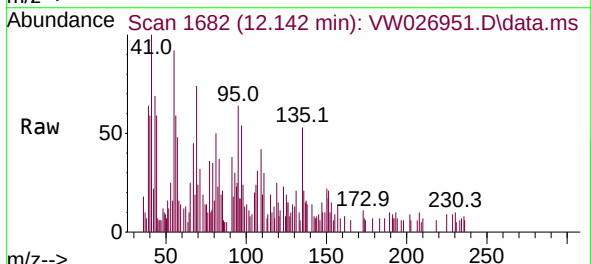
Instrument :
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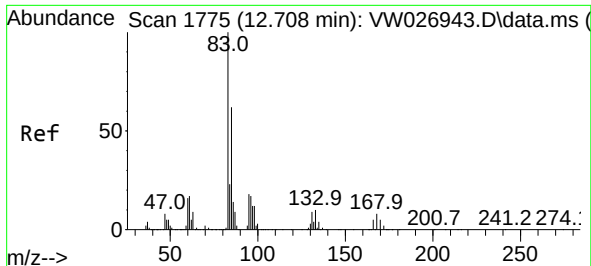
Tgt Ion:106 Resp: 412
Ion Ratio Lower Upper
106 100
91 224.0 152.9 284.1



#54
o-Xylene
Concen: 0.625 ug/L
RT: 12.142 min Scan# 1682
Delta R.T. -0.024 min
Lab File: VW026951.D
Acq: 29 Aug 2023 15:23

Tgt Ion:106 Resp: 270
Ion Ratio Lower Upper
106 100
91 160.9 149.9 278.3





#57

1,1,2,2-Tetrachloroethane

Concen: 2.094 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026951.D

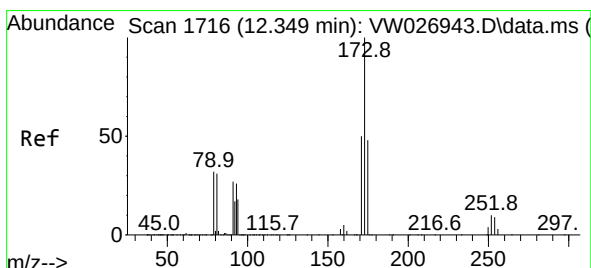
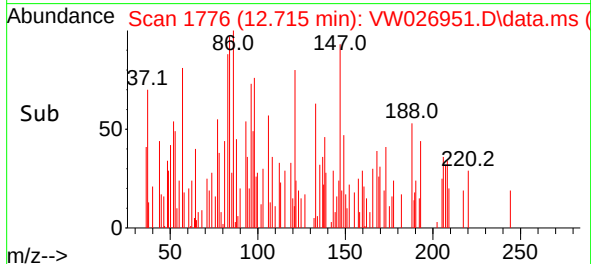
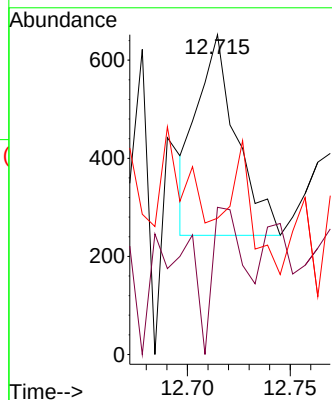
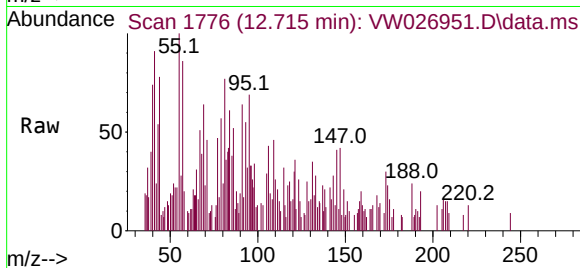
Acq: 29 Aug 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 83	Resp: 547
Ion Ratio	Lower Upper
83	100
85	46.0 44.9 83.3
131	42.6 7.4 11.0#



#59

Bromoform

Concen: 1.178 ug/L

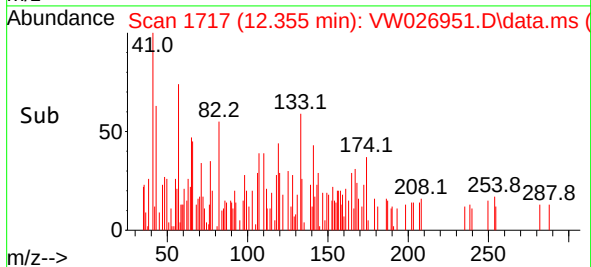
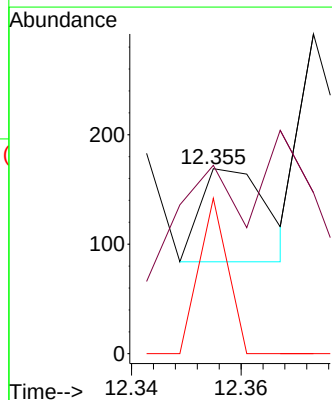
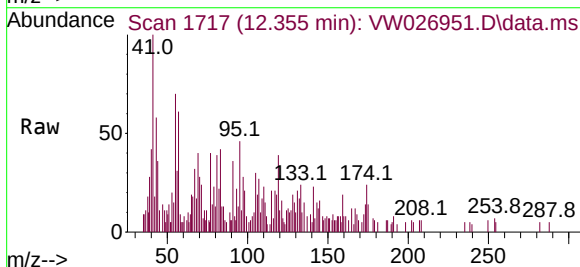
RT: 12.355 min Scan# 1717

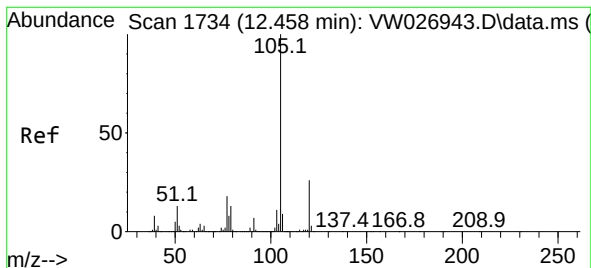
Delta R.T. 0.006 min

Lab File: VW026951.D

Acq: 29 Aug 2023 15:23

Tgt Ion: 173	Resp: 72
Ion Ratio	Lower Upper
173	100
175	119.4 36.6 55.0#
254	0.0 7.8 11.6#





#60

Isopropylbenzene

Concen: 0.686 ug/L

RT: 12.452 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026951.D

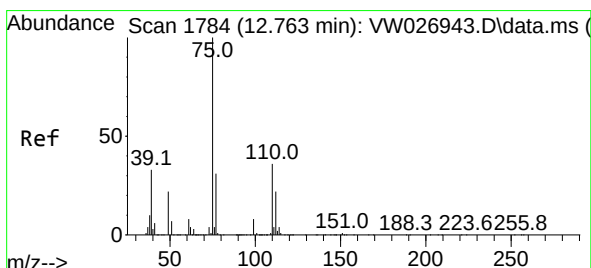
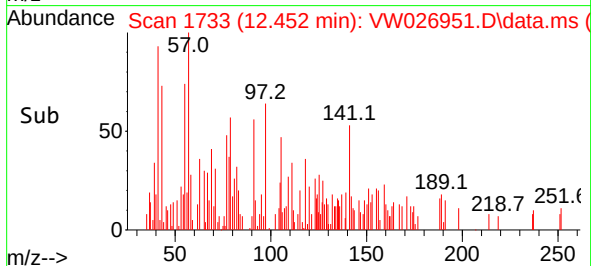
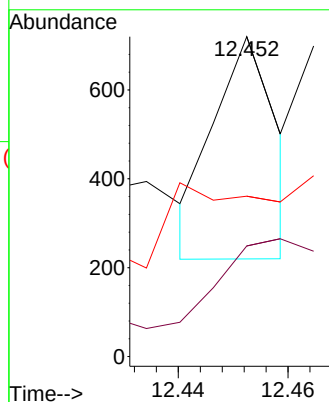
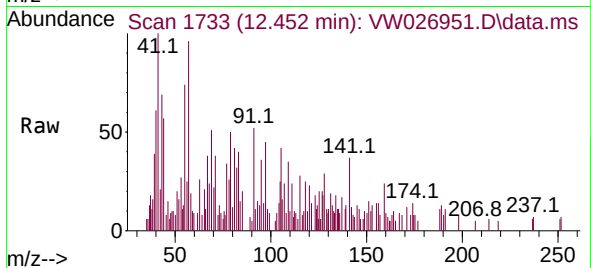
Acq: 29 Aug 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	105	Resp:	398
Ion	Ratio	Lower	Upper
105	100		
120	90.7	21.0	31.6#
77	60.3	13.4	20.2#



#61

1,2,3-Trichloropropane

Concen: 4.743 ug/L

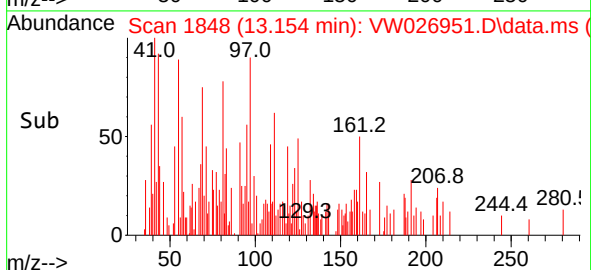
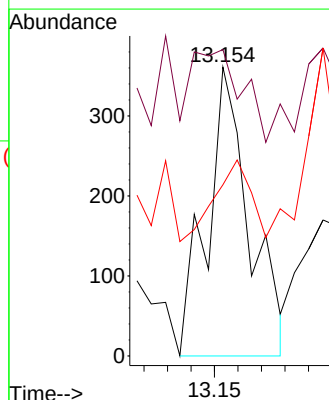
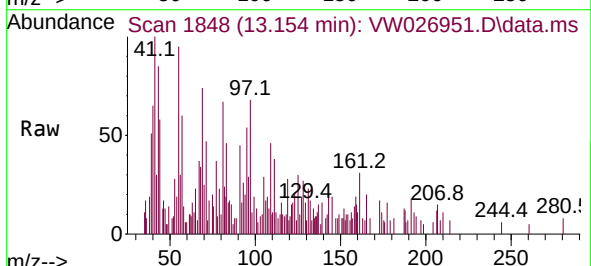
RT: 13.154 min Scan# 1848

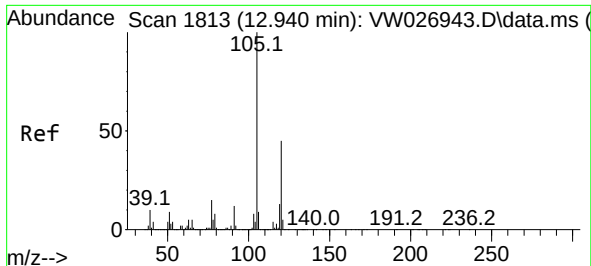
Delta R.T. 0.390 min

Lab File: VW026951.D

Acq: 29 Aug 2023 15:23

Tgt Ion:	75	Resp:	449
Ion	Ratio	Lower	Upper
75	100		
77	38.3	26.1	39.1
110	36.5	29.9	44.9





#62

1,3,5-Trimethylbenzene

Concen: 1.057 ug/L

RT: 13.251 min Scan# 11

Delta R.T. 0.311 min

Lab File: VW026951.D

Acq: 29 Aug 2023 15:23

Instrument :

MSVOA_W

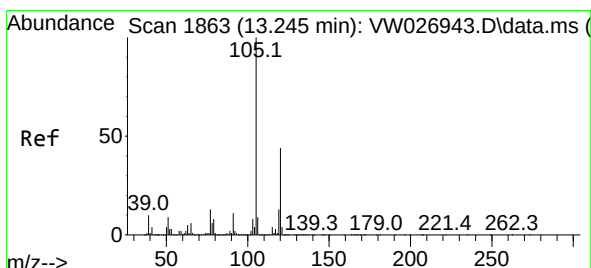
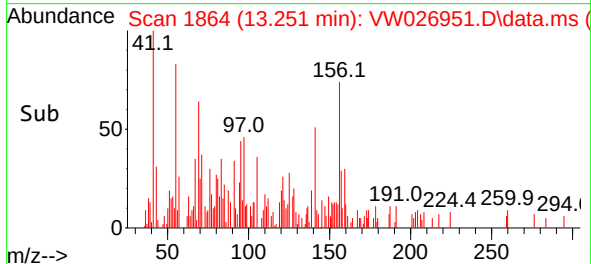
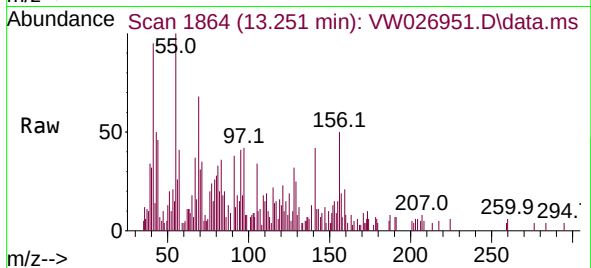
ClientSampleId :

Tgt Ion:105 Resp: 485

Ion Ratio Lower Upper

105 100

120 40.2 37.4 56.2



#63

1,2,4-Trimethylbenzene

Concen: 0.763 ug/L

RT: 13.812 min Scan# 1956

Delta R.T. 0.567 min

Lab File: VW026951.D

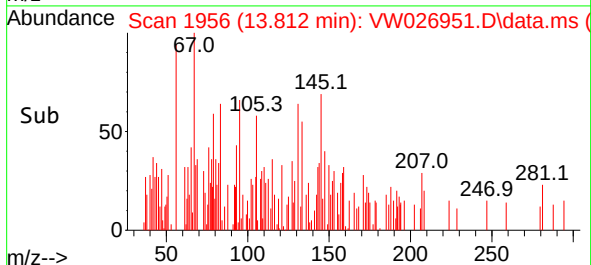
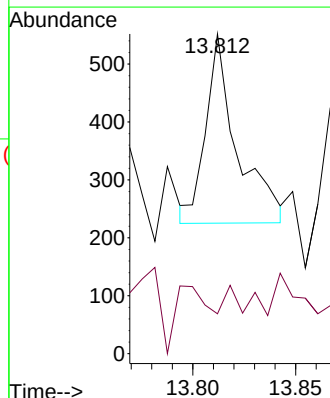
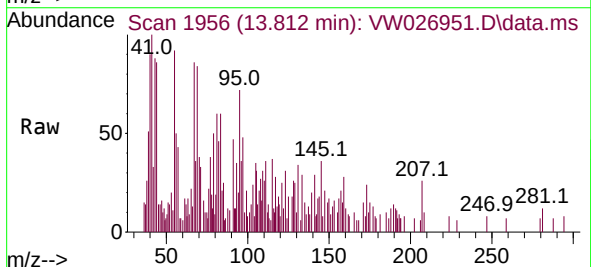
Acq: 29 Aug 2023 15:23

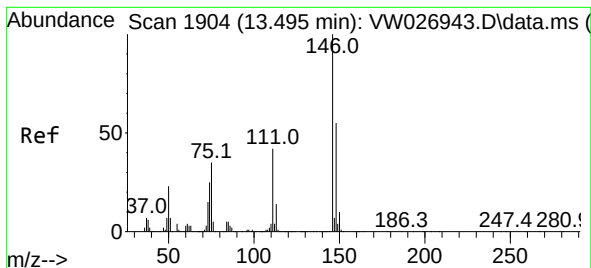
Tgt Ion:105 Resp: 343

Ion Ratio Lower Upper

105 100

120 41.1 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 0.816 ug/L

RT: 13.489 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VW026951.D

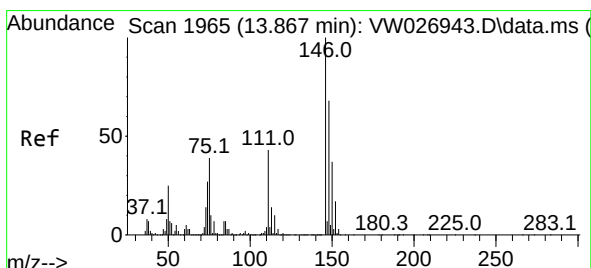
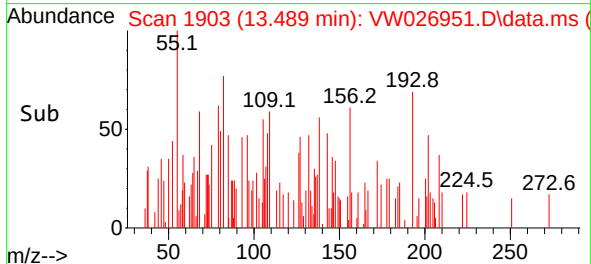
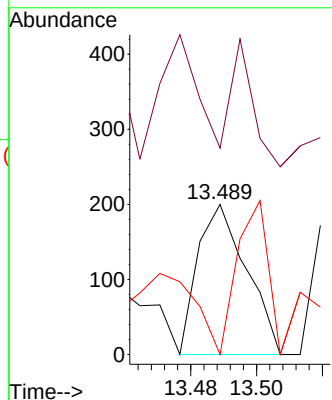
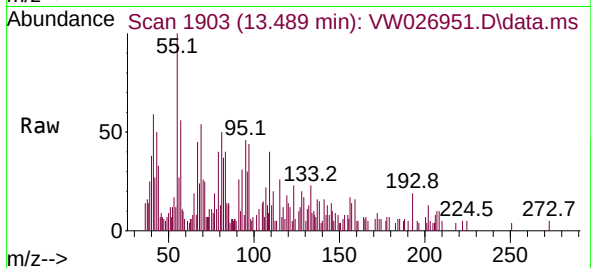
Acq: 29 Aug 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:146	Resp:	206
Ion Ratio	Lower	Upper
146	100	
111	137.5	29.1 54.1#
148	0.0	38.8 72.0#



#67

1,2-Dichlorobenzene

Concen: 0.963 ug/L

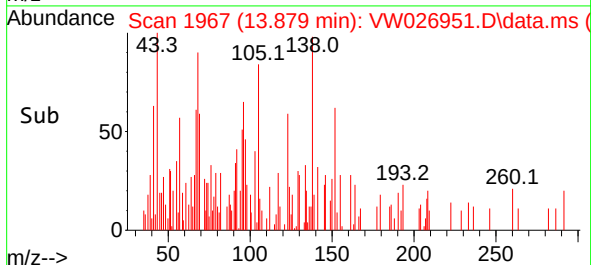
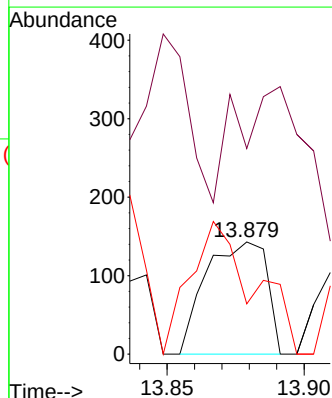
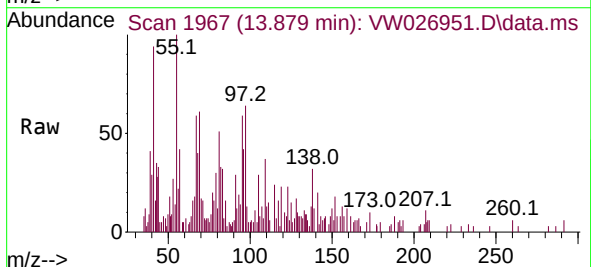
RT: 13.879 min Scan# 1967

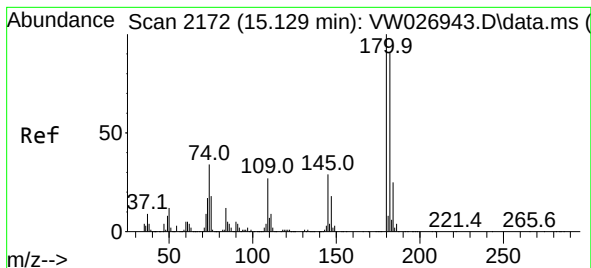
Delta R.T. 0.012 min

Lab File: VW026951.D

Acq: 29 Aug 2023 15:23

Tgt Ion:146	Resp:	221
Ion Ratio	Lower	Upper
146	100	
111	183.2	34.6 52.0#
148	44.8	53.4 80.0#





#70

1,2,4-trichlorobenzene

Concen: 0.865 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026951.D

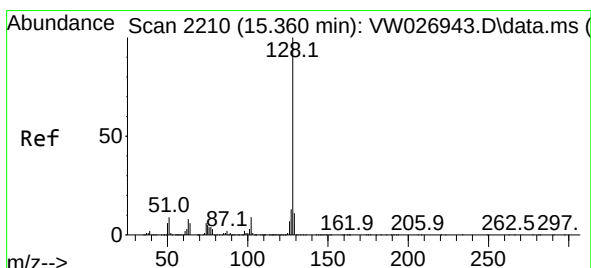
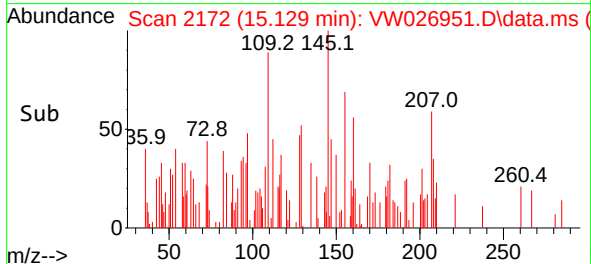
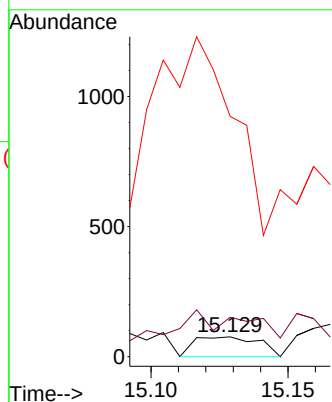
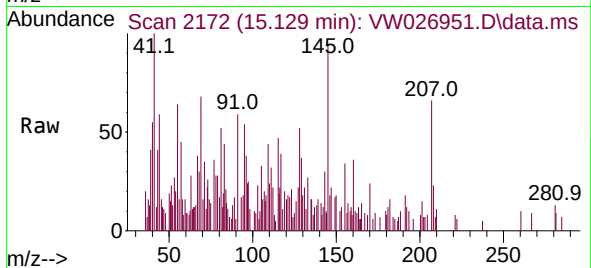
Acq: 29 Aug 2023 15:23

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	180	Resp:	125
Ion Ratio	Lower	Upper	
180	100		
182	148.0	72.5	108.7#
145	0.0	24.7	37.1#



#71

Naphthalene

Concen: 1.200 ug/L

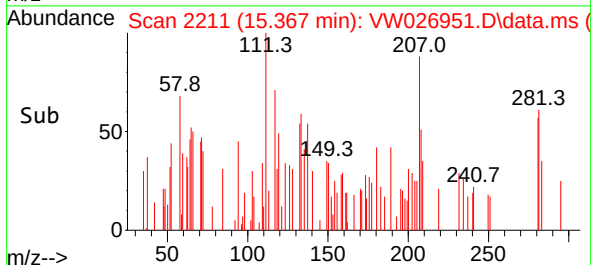
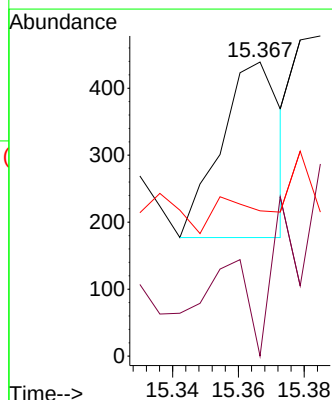
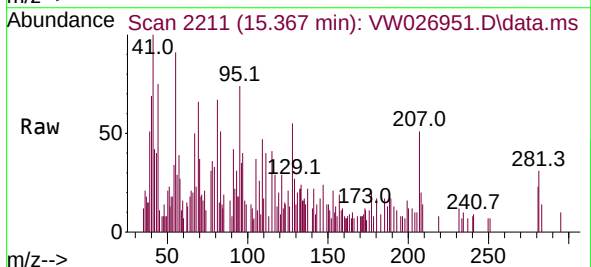
RT: 15.367 min Scan# 2211

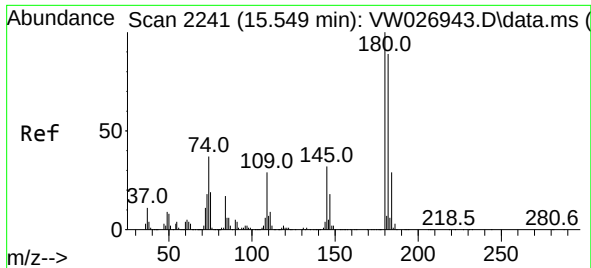
Delta R.T. 0.006 min

Lab File: VW026951.D

Acq: 29 Aug 2023 15:23

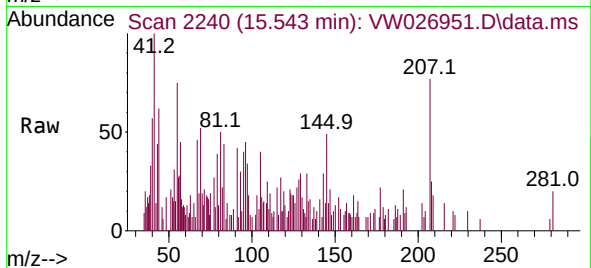
Tgt Ion:	128	Resp:	331
Ion Ratio	Lower	Upper	
128	100		
127	46.2	10.7	16.1#
129	0.0	9.0	13.4#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.790 ug/L
 RT: 15.543 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026951.D
 Acq: 29 Aug 2023 15:23

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 103
 Ion Ratio Lower Upper
 180 100
 182 185.4 74.6 112.0#
 145 585.4 27.0 40.6#

