

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW083123\
 Data File : VW026970.D
 Acq On : 31 Aug 2023 12:17
 Operator : SY/MD
 Sample : 04235-08
 Misc : 5.19g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 01 00:46:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Sep 01 00:44:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	534147	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	276905	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	69932	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	146792	16.717	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.880%
7) Chloroethane-d5	2.893	69	155591	23.829	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.320%
11) 1,1-Dichloroethene-d2	4.021	65	52504	12.157	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	48.640%
21) 2-Butanone-d5	7.081	46	105111	41.648	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.300%
24) Chloroform-d	7.648	84	46065	2.570	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	10.280%#
26) 1,2-Dichloroethane-d4	8.307	65	214752	21.707	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.840%
32) Benzene-d6	8.276	84	618792	32.424	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	129.680%
36) 1,2-Dichloropropane-d6	9.270	67	220540	37.100	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	148.400%#
41) Toluene-d8	10.325	98	323793	19.765	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	79.080%
43) trans-1,3-Dichloroprop...	10.575	79	72387	29.493	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	117.960%
47) 2-Hexanone-d5	10.922	63	43964	70.384	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.760%#
56) 1,1,2,2-Tetrachloroeth...	12.684	84	3887	0.828	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	3.320%#
66) 1,2-Dichlorobenzene-d4	13.848	152	54641	21.830	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.320%
Target Compounds						Qvalue
13) Acetone	4.119	43	37855	15.085	ug/L	90
16) Methylene chloride	4.917	84	48734	4.717	ug/L	90
25) Chloroform	7.673	83	321729	18.366	ug/L	94
30) 1,1,1-Trichloroethane	7.868	97	17713	2.451	ug/L	98
34) Trichloroethene	9.093	95	27801	5.413	ug/L	99
46) Tetrachloroethene	10.861	164	241911	64.836	ug/L	92
48) 2-Hexanone	10.971	43	7445	3.045	ug/L #	52
62) 1,3,5-Trimethylbenzene	12.940	105	14419	1.755	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	26998	3.353	ug/L	93
64) 1,3-Dichlorobenzene	13.501	146	4117	0.910	ug/L #	1
65) 1,4-Dichlorobenzene	13.580	146	4175	0.885	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.452	75	3030	7.409	ug/L #	22
69) 1,3,5-Trichlorobenzene	14.629	180	1972	0.646	ug/L #	85
70) 1,2,4-trichlorobenzene	15.123	180	19813	7.650	ug/L #	1
71) Naphthalene	15.360	128	240683	48.715	ug/L	99
72) 1,2,3-Trichlorobenzene	15.568	180	9809	4.199	ug/L #	12

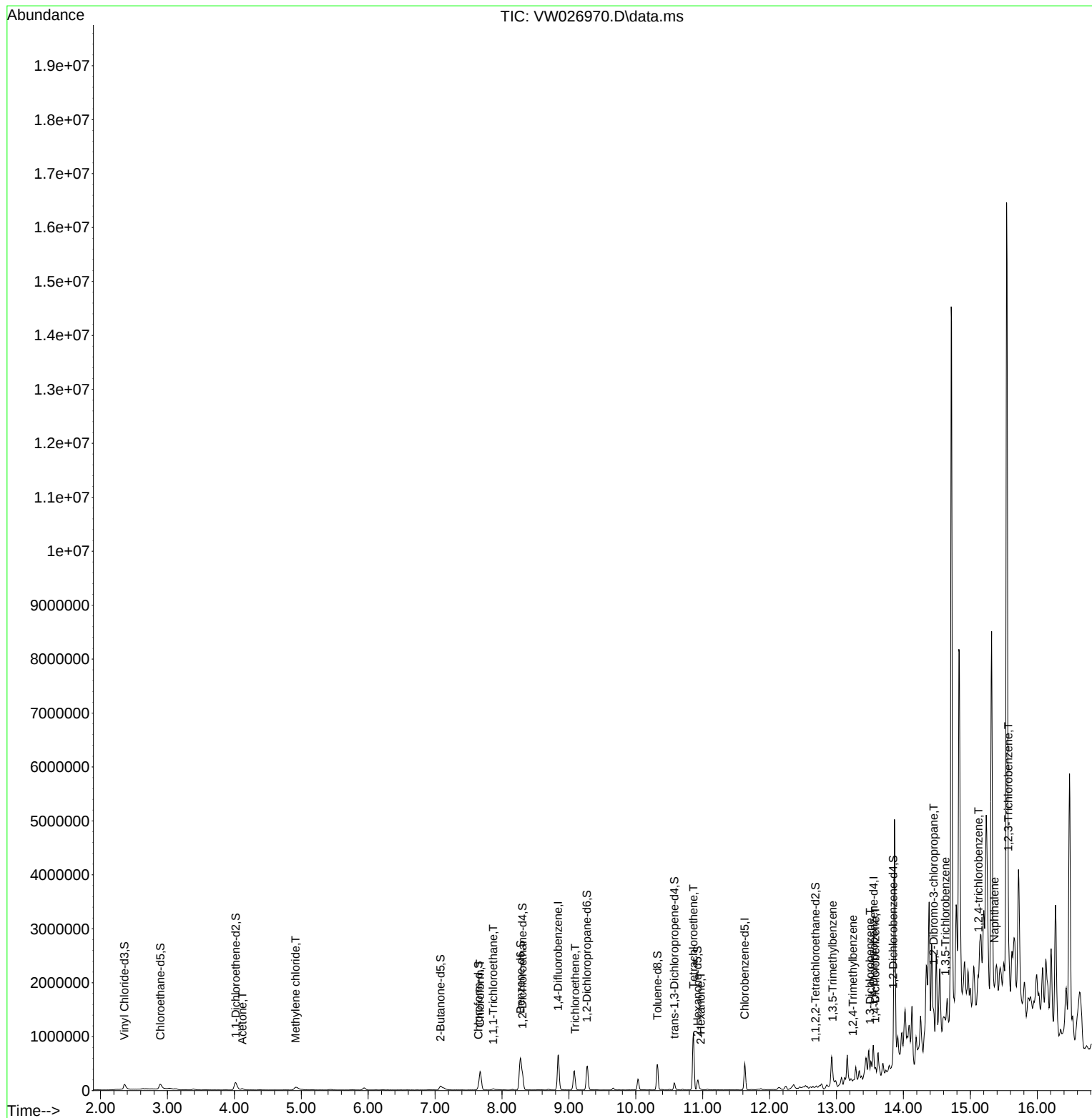
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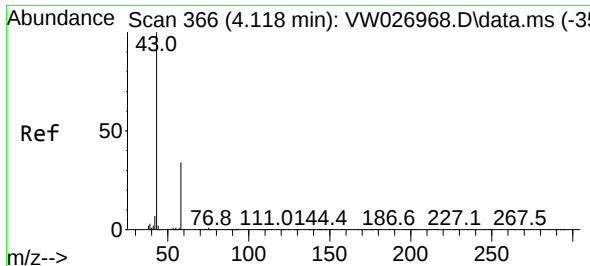
Instrument :
MSVOA_W
ClientSampleId :

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Quant Title : SFAM01.0
QLast Update : Fri Sep 01 00:44:05 2023
Response via : Initial Calibration

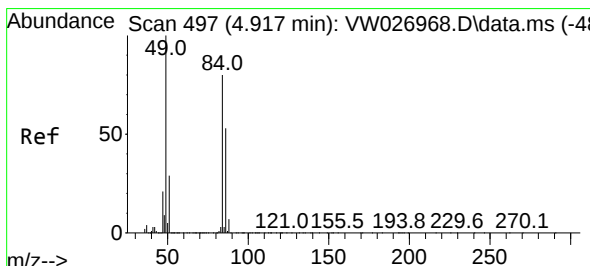
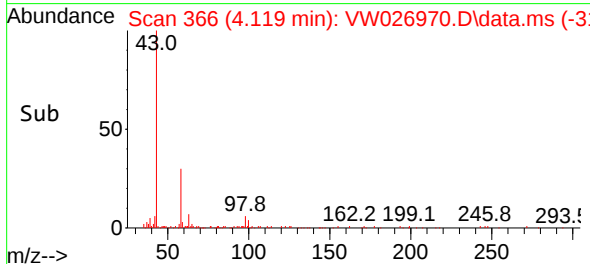
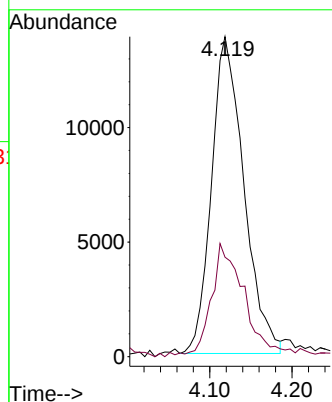
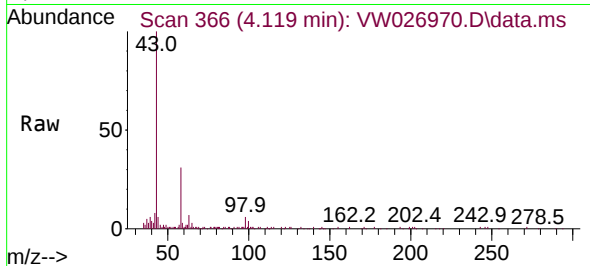




#13
Acetone
Concen: 15.085 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

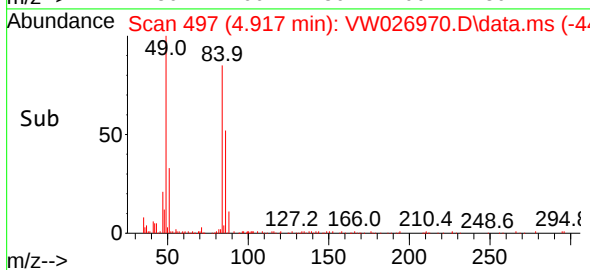
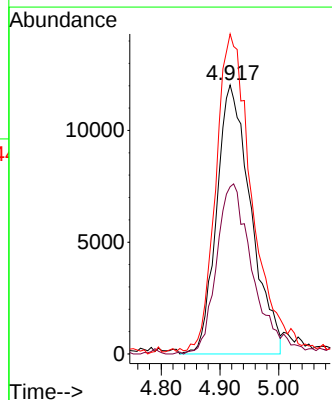
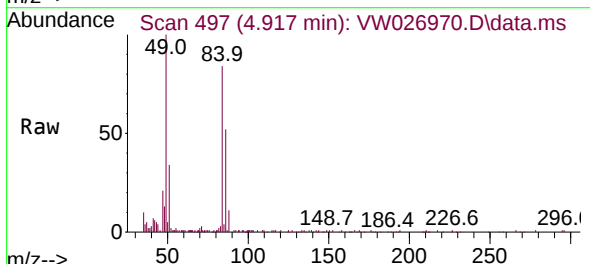
Instrument :
MSVOA_W
ClientSampleId :

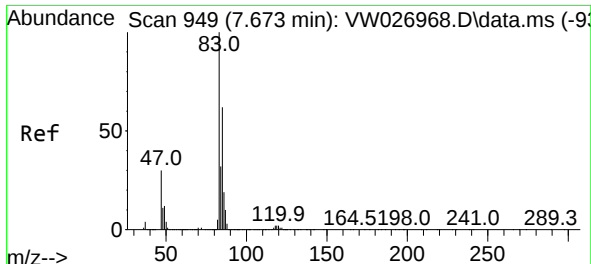
Tgt Ion: 43 Resp: 37855
Ion Ratio Lower Upper
43 100
58 34.2 0.0 57.4



#16
Methylene chloride
Concen: 4.717 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

Tgt Ion: 84 Resp: 48734
Ion Ratio Lower Upper
84 100
86 62.2 43.5 80.9
49 119.0 96.0 178.2

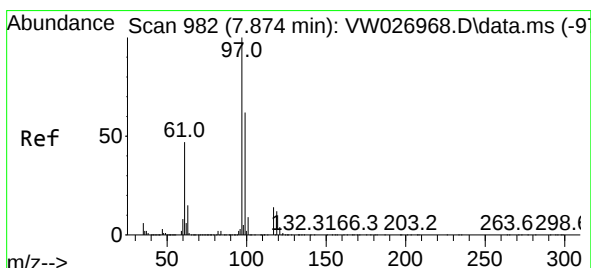
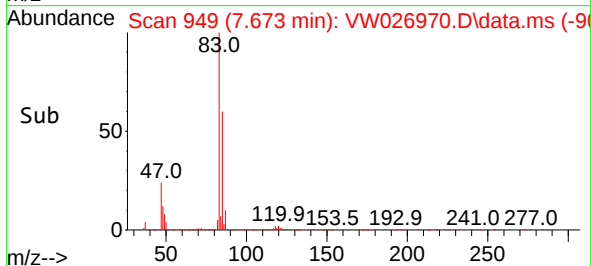
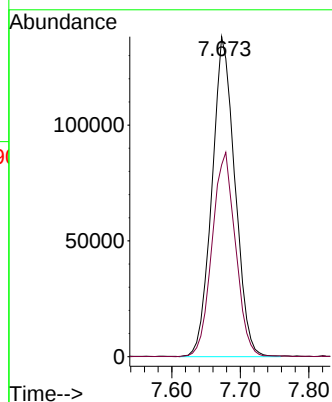
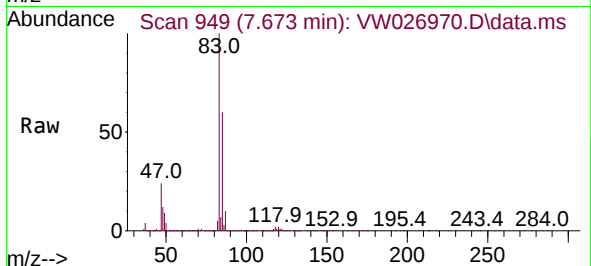




#25
Chloroform
Concen: 18.366 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

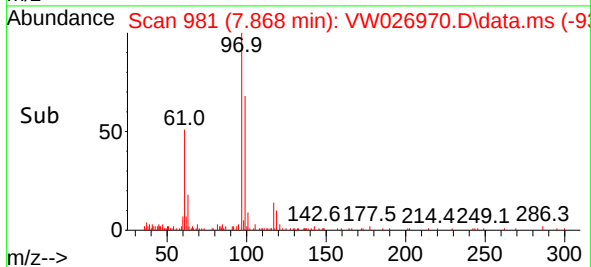
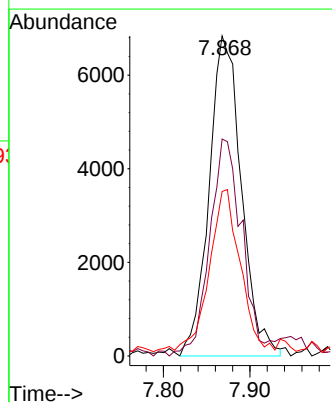
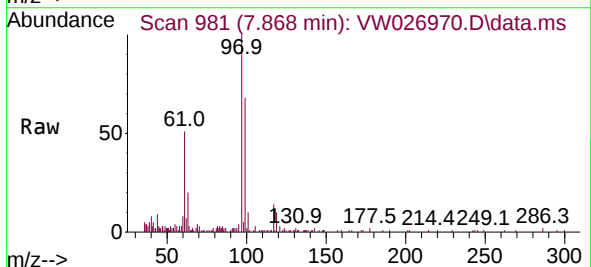
Instrument :
MSVOA_W
ClientSampleId :

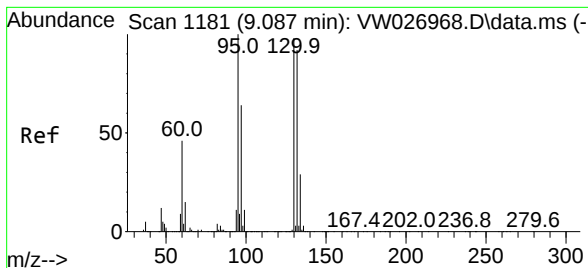
Tgt Ion: 83 Resp: 321729
Ion Ratio Lower Upper
83 100
85 60.0 45.4 84.2



#30
1,1,1-Trichloroethane
Concen: 2.451 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

Tgt Ion: 97 Resp: 17713
Ion Ratio Lower Upper
97 100
99 66.9 51.2 76.8
61 49.3 39.2 58.8





#34

Trichloroethene

Concen: 5.413 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

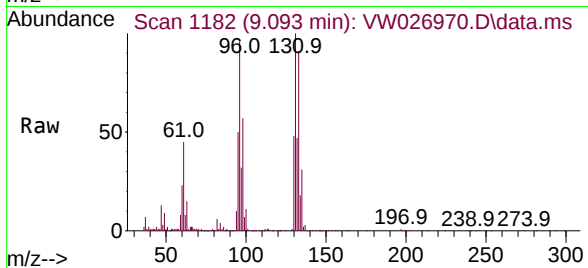
Lab File: VW026970.D

Acq: 31 Aug 2023 12:17

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 27801

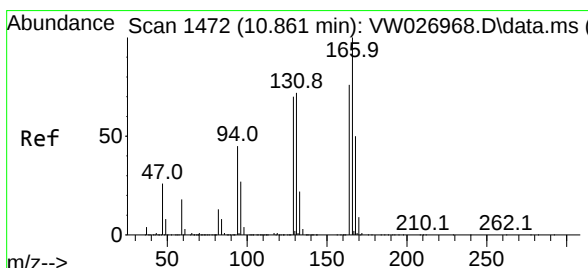
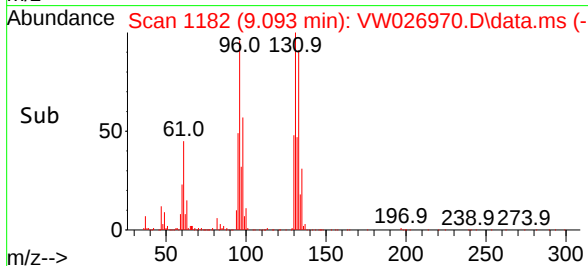
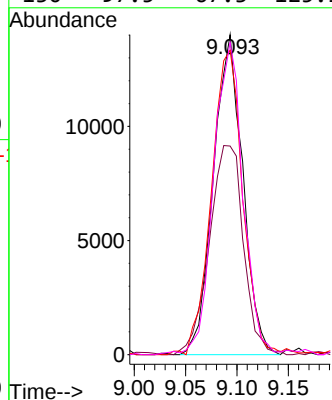
Ion Ratio Lower Upper

95 100

97 65.2 44.6 82.8

132 95.1 66.4 123.2

130 97.5 67.3 125.1



#46

Tetrachloroethene

Concen: 64.836 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026970.D

Acq: 31 Aug 2023 12:17

Tgt Ion:164 Resp: 241911

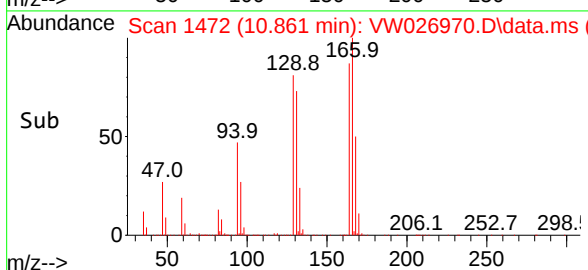
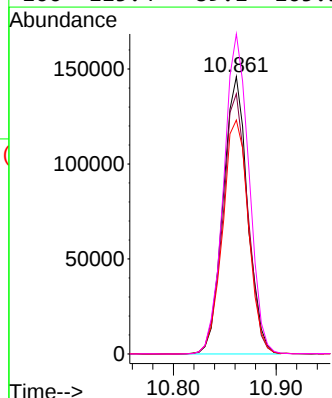
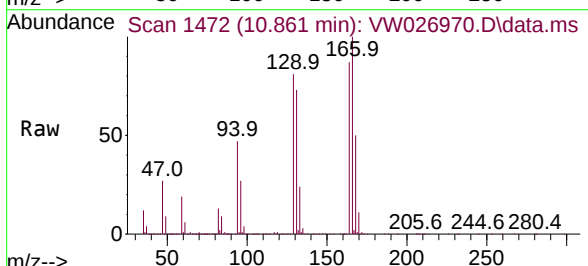
Ion Ratio Lower Upper

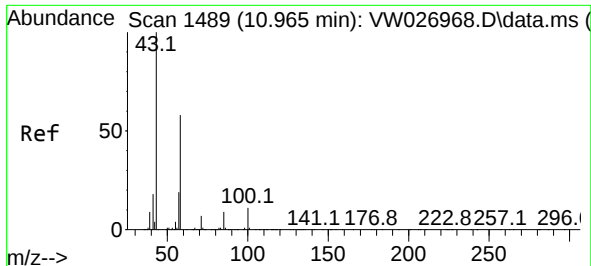
164 100

129 93.8 68.1 126.5

131 84.4 65.5 121.7

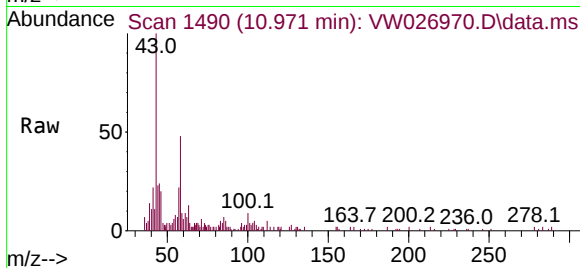
166 115.4 89.1 165.5



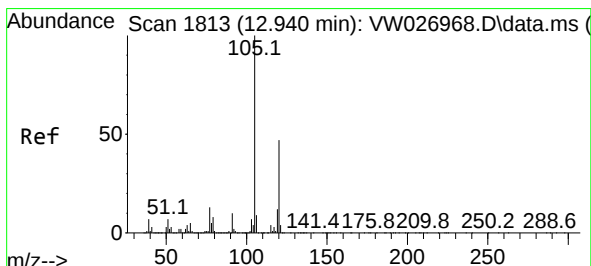
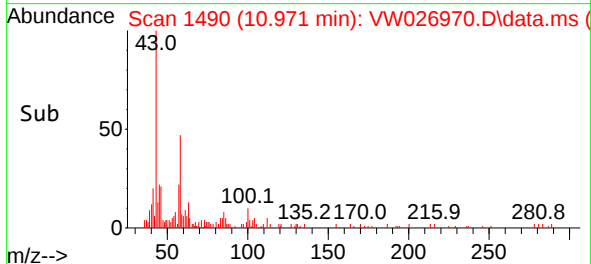
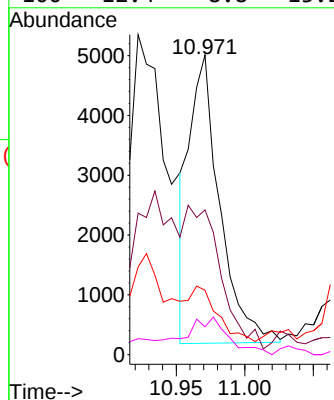


#48
2-Hexanone
Concen: 3.045 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

Instrument :
MSVOA_W
ClientSampleId :

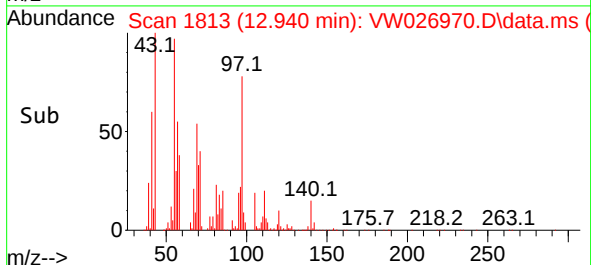
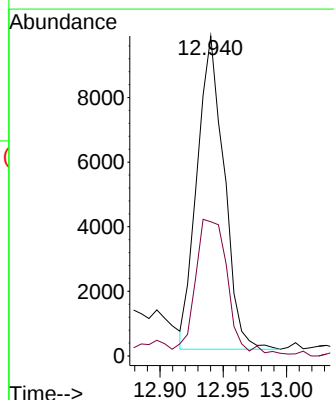
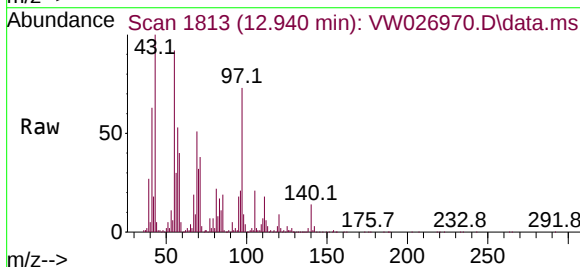


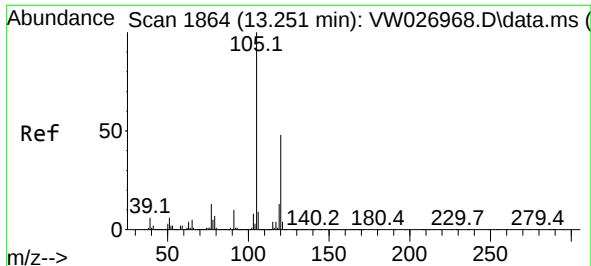
Tgt Ion: 43 Resp: 7445
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
57 18.6 14.3 21.5
100 12.4 8.8 13.2



#62
1,3,5-Trimethylbenzene
Concen: 1.755 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

Tgt Ion: 105 Resp: 14419
Ion Ratio Lower Upper
105 100
120 47.3 37.4 56.2





#63

1,2,4-Trimethylbenzene

Concen: 3.353 ug/L

RT: 13.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW026970.D

Acq: 31 Aug 2023 12:17

Instrument :

MSVOA_W

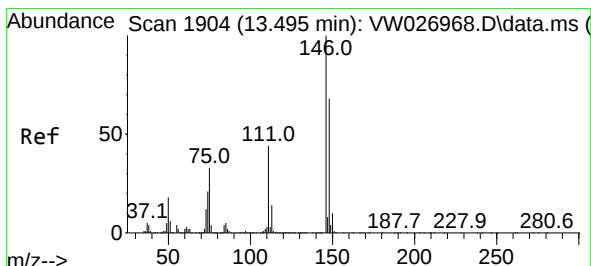
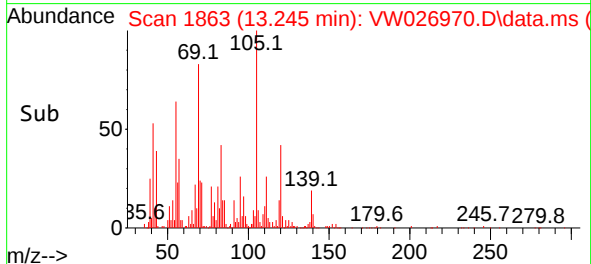
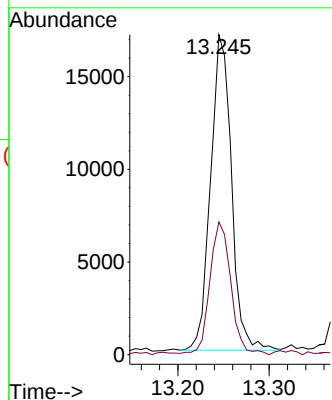
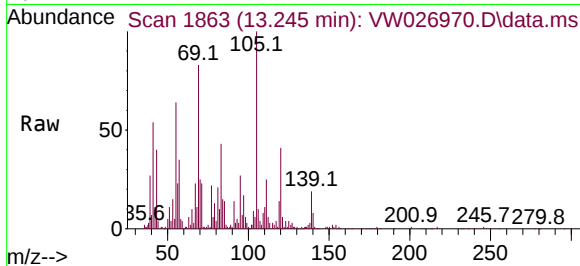
ClientSampleId :

Tgt Ion:105 Resp: 26998

Ion Ratio Lower Upper

105 100

120 40.7 36.2 54.4



#64

1,3-Dichlorobenzene

Concen: 0.910 ug/L

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW026970.D

Acq: 31 Aug 2023 12:17

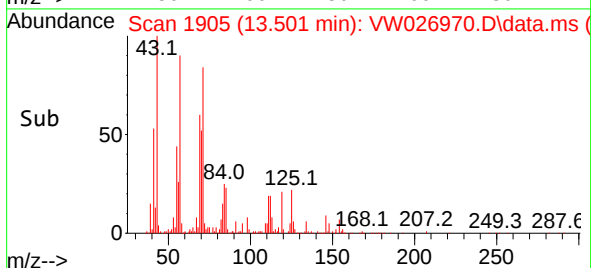
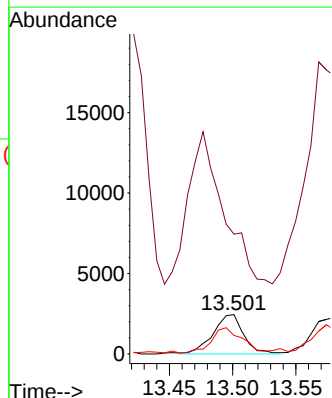
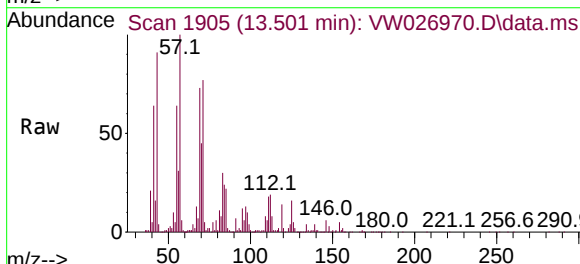
Tgt Ion:146 Resp: 4117

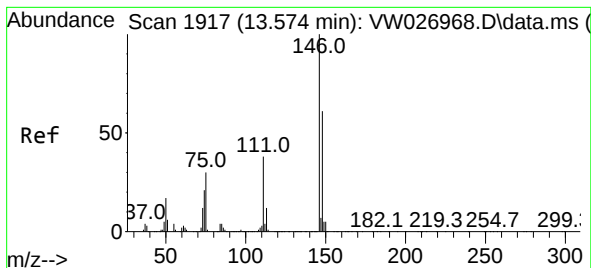
Ion Ratio Lower Upper

146 100

111 304.5 29.1 54.1#

148 47.1 38.8 72.0





#65

1,4-Dichlorobenzene

Concen: 0.885 ug/L

RT: 13.580 min Scan# 1917

Delta R.T. 0.006 min

Lab File: VW026970.D

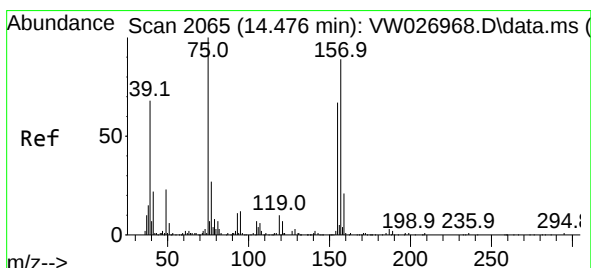
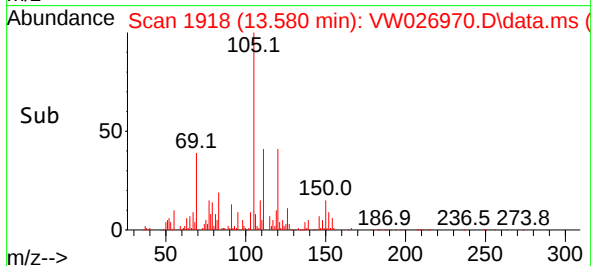
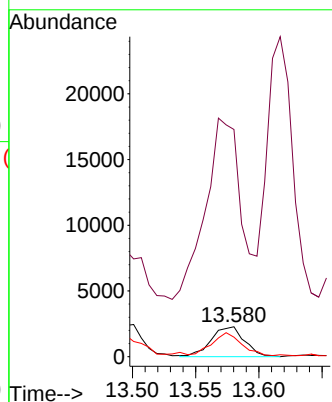
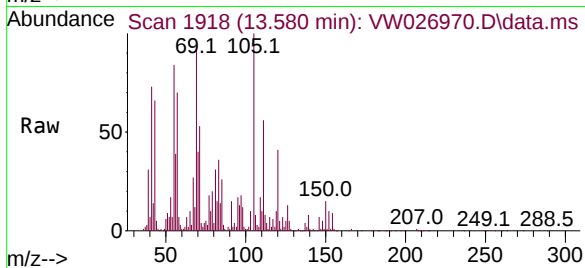
Acq: 31 Aug 2023 12:17

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:	146	Resp:	4175
Ion Ratio	Lower	Upper	
146	100		
111	760.6	28.3	52.7#
148	65.4	44.2	82.2



#68

1,2-Dibromo-3-chloropropane

Concen: 7.409 ug/L

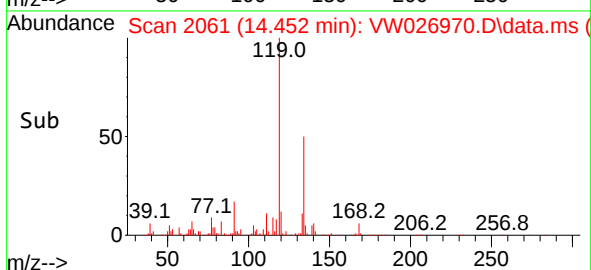
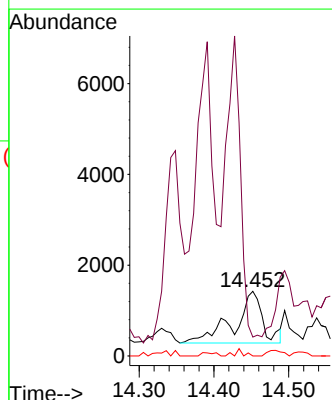
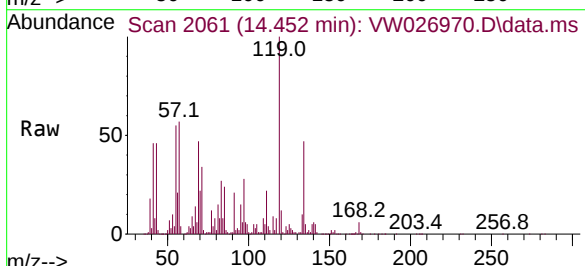
RT: 14.452 min Scan# 2061

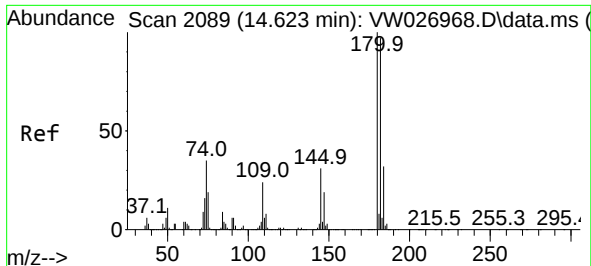
Delta R.T. -0.024 min

Lab File: VW026970.D

Acq: 31 Aug 2023 12:17

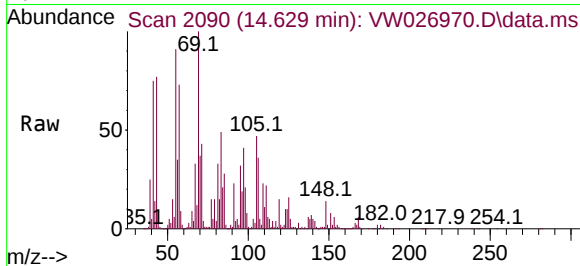
Tgt Ion:	75	Resp:	3030
Ion Ratio	Lower	Upper	
75	100		
155	29.1	55.0	82.6#
157	0.0	77.8	116.6#



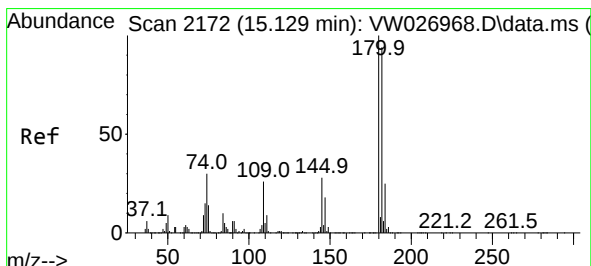
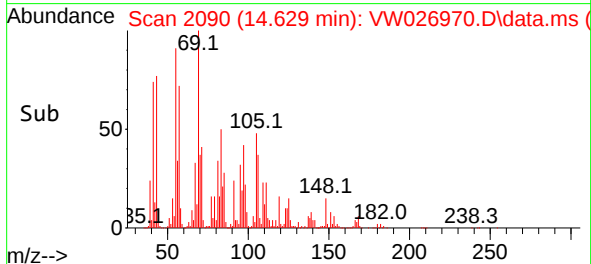
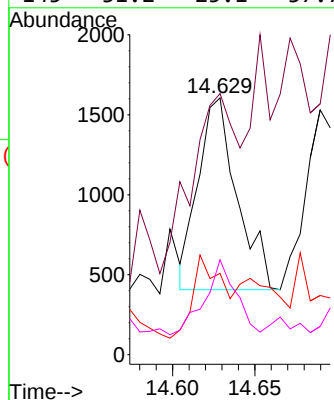


#69
1,3,5-Trichlorobenzene
Concen: 0.646 ug/L
RT: 14.629 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

Instrument :
MSVOA_W
ClientSampleId :

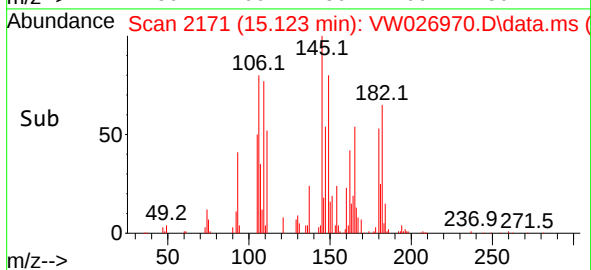
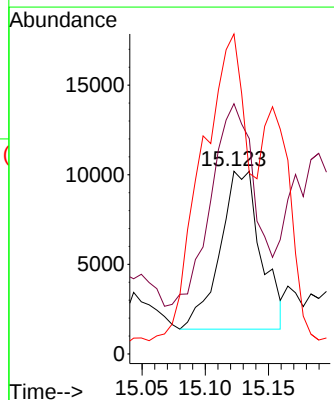
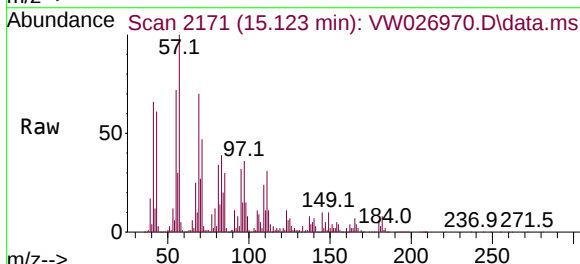


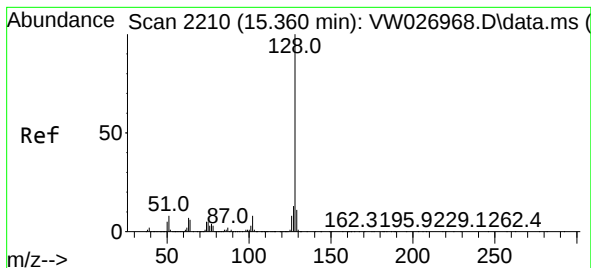
Tgt Ion:180 Resp: 1972
Ion Ratio Lower Upper
180 100
182 110.1 75.2 112.8
184 42.8 23.8 35.8#
145 31.2 25.1 37.7



#70
1,2,4-trichlorobenzene
Concen: 7.650 ug/L
RT: 15.123 min Scan# 2171
Delta R.T. -0.006 min
Lab File: VW026970.D
Acq: 31 Aug 2023 12:17

Tgt Ion:180 Resp: 19813
Ion Ratio Lower Upper
180 100
182 143.2 72.5 108.7#
145 223.7 24.7 37.1#





#71

Naphthalene

Concen: 48.715 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026970.D

Acq: 31 Aug 2023 12:17

Instrument :

MSVOA_W

ClientSampleId :

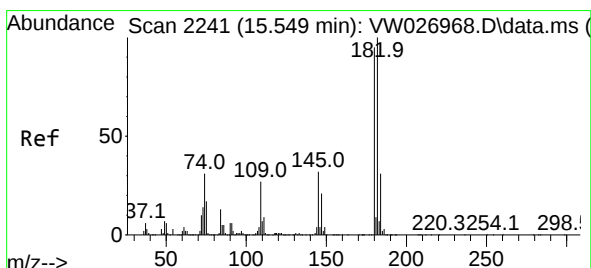
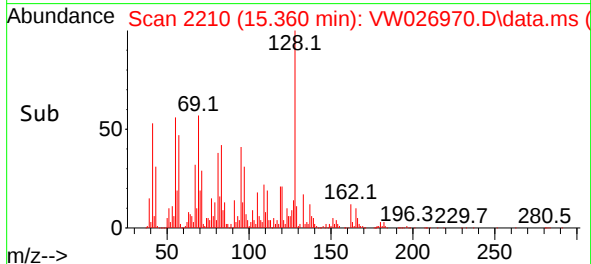
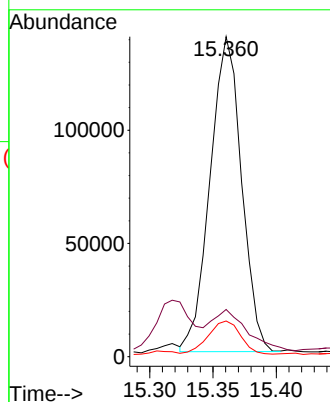
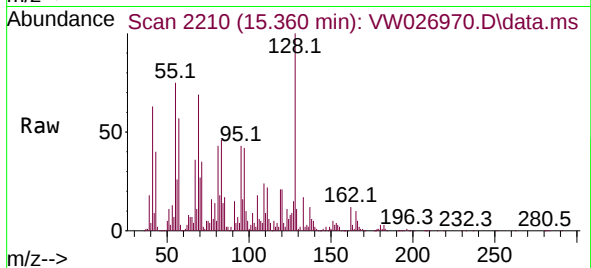
Tgt Ion:128 Resp: 240683

Ion Ratio Lower Upper

128 100

127 14.3 10.7 16.1

129 11.1 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 4.199 ug/L

RT: 15.568 min Scan# 2244

Delta R.T. 0.018 min

Lab File: VW026970.D

Acq: 31 Aug 2023 12:17

Tgt Ion:180 Resp: 9809

Ion Ratio Lower Upper

180 100

182 123.6 74.6 112.0#

145 172.3 27.0 40.6#

