

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052623\
 Data File : VW026072.D
 Acq On : 26 May 2023 16:44
 Operator : SY/MD
 Sample : 02950-13MS
 Misc : 4.91g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 26 23:19:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 26 23:14:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	646843	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	418827	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	110676	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	193790	21.142	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.560%
7) Chloroethane-d5	2.899	69	182718	26.888	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.560%
11) 1,1-Dichloroethene-d2	4.015	65	92510	20.155	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.640%
21) 2-Butanone-d5	7.069	46	216483	71.441	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.880%#
24) Chloroform-d	7.648	84	502913	26.963	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.840%
26) 1,2-Dichloroethane-d4	8.301	65	285786	27.096	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.400%
32) Benzene-d6	8.276	84	892334	32.606	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	130.440%
36) 1,2-Dichloropropane-d6	9.270	67	314357	35.901	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	143.600%#
41) Toluene-d8	10.319	98	654135	26.805	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.200%
43) trans-1,3-Dichloroprop...	10.575	79	87175	24.561	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.240%
47) 2-Hexanone-d5	10.922	63	138476	92.744	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	185.480%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	244692	36.664	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	146.640%#
66) 1,2-Dichlorobenzene-d4	13.849	152	118306	29.323	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	117.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	129176	17.875	ug/L	95
3) Chloromethane	2.223	50	241394	22.655	ug/L	99
5) Vinyl chloride	2.375	62	260871	23.654	ug/L	100
6) Bromomethane	2.783	94	144111	24.024	ug/L	94
8) Chloroethane	2.930	64	163611	26.089	ug/L	99
9) Trichlorofluoromethane	3.265	101	169889	20.412	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	215664	23.825	ug/L	97
12) 1,1-Dichloroethene	4.045	96	188849	21.830	ug/L	97
13) Acetone	4.119	43	192401	71.606	ug/L	98
14) Carbon disulfide	4.387	76	519981	17.774	ug/L	100
15) Methyl Acetate	4.667	43	135783	25.644	ug/L	99
16) Methylene chloride	4.917	84	289189	21.679	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	200688	21.265	ug/L	99
18) Methyl tert-butyl Ether	5.423	73	436753	30.492	ug/L	99
19) 1,1-Dichloroethane	6.216	63	458057	23.624	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	233965	23.108	ug/L	97
22) 2-Butanone	7.167	43	197546	53.245	ug/L	98
23) Bromochloromethane	7.508	128	100141	23.346	ug/L	98
25) Chloroform	7.673	83	428119	24.023	ug/L	100

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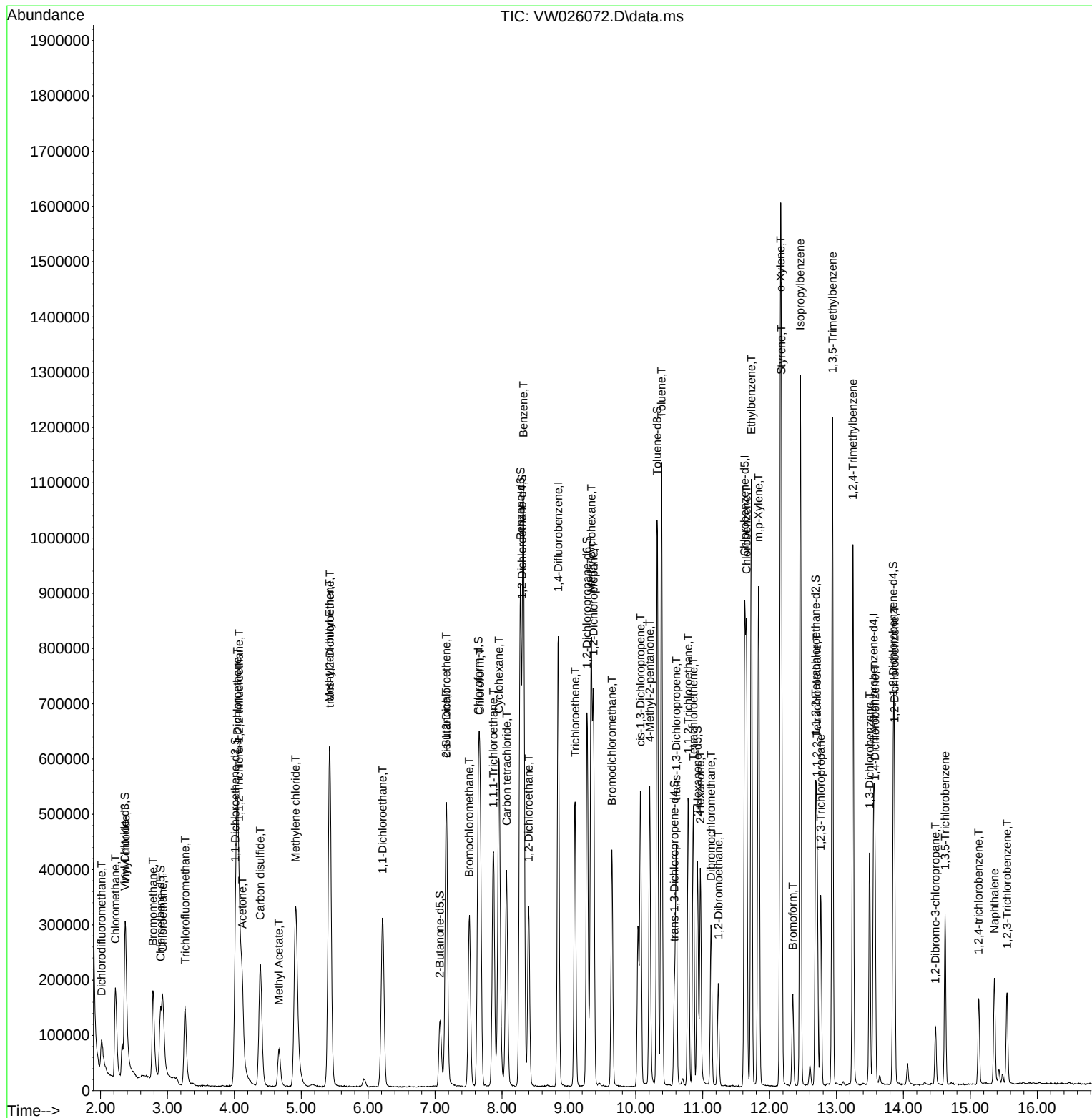
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	300435	23.738	ug/L	98
29) Cyclohexane	7.953	56	355406	27.383	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	344751	33.658	ug/L	99
31) Carbon tetrachloride	8.069	117	286231	31.051	ug/L	99
33) Benzene	8.319	78	875992	30.231	ug/L	100
34) Trichloroethene	9.093	95	185335	24.925	ug/L	97
35) Methylcyclohexane	9.337	83	301497	22.798	ug/L	98
37) 1,2-Dichloropropane	9.368	63	255239	32.151	ug/L	100
38) Bromodichloromethane	9.642	83	279905	30.732	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	307109	26.379	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	376730	72.904	ug/L	99
42) Toluene	10.386	91	782020	26.413	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	228048	23.640	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	159139	29.966	ug/L	99
46) Tetrachloroethene	10.861	164	107782	20.604	ug/L	88
48) 2-Hexanone	10.965	43	261153	70.546	ug/L	99
49) Dibromochloromethane	11.123	129	148836	27.071	ug/L	92
50) 1,2-Dibromoethane	11.233	107	121733	24.865	ug/L	94
51) Chlorobenzene	11.654	112	387151	21.108	ug/L	97
52) Ethylbenzene	11.727	91	751747	22.572	ug/L	100
53) m,p-Xylene	11.837	106	271724	22.167	ug/L	95
54) o-Xylene	12.166	106	309749	26.810	ug/L	97
55) Styrene	12.178	104	373530	18.889	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	191772	28.941	ug/L	95
59) Bromoform	12.349	173	72463	44.202	ug/L	100
60) Isopropylbenzene	12.459	105	783010	46.543	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	142054	54.309	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	601267	45.124	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	497793	40.484	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	157090	21.691	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	142910	19.532	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	165484	25.622	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.476	75	26671	43.973	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	83174	17.302	ug/L	99
70) 1,2,4-trichlorobenzene	15.123	180	44738	11.108	ug/L	96
71) Naphthalene	15.360	128	153295	20.167	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	49286	13.792	ug/L	99

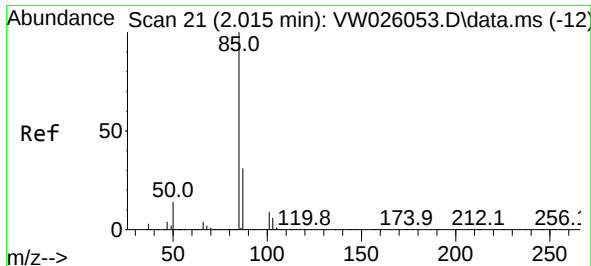
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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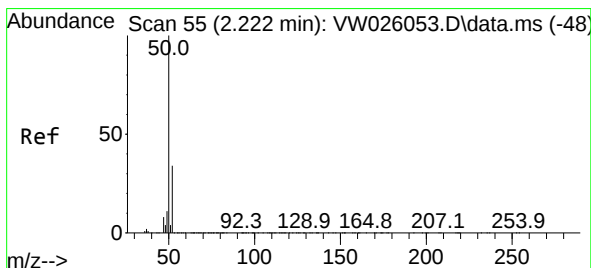
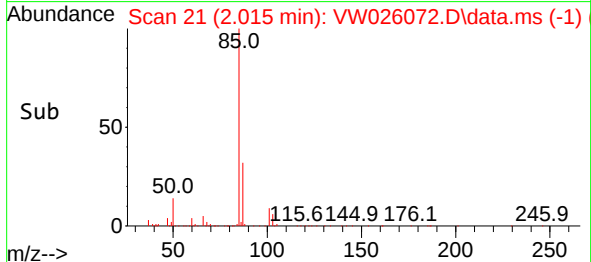
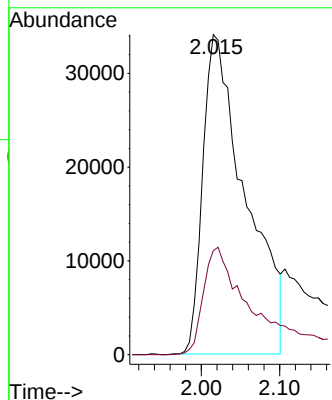
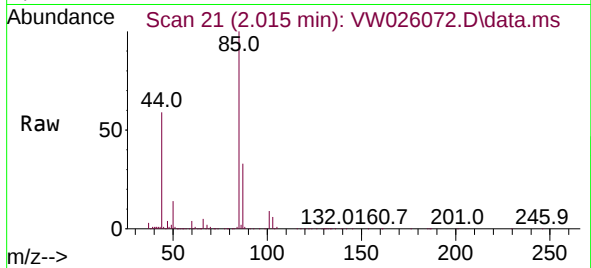




#2
Dichlorodifluoromethane
Concen: 17.875 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

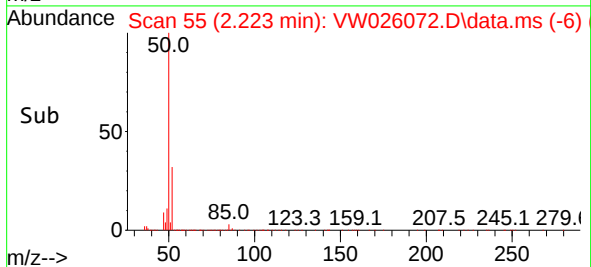
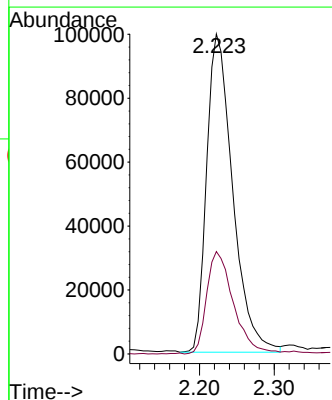
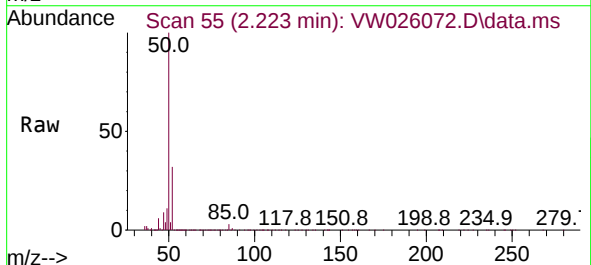
Instrument :
MSVOA_W
ClientSampleId :

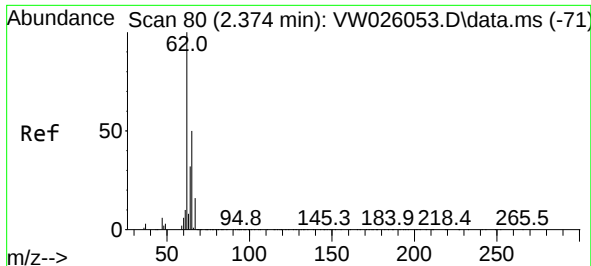
Tgt Ion: 85 Resp: 129176
Ion Ratio Lower Upper
85 100
87 28.0 24.7 37.1



#3
Chloromethane
Concen: 22.655 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

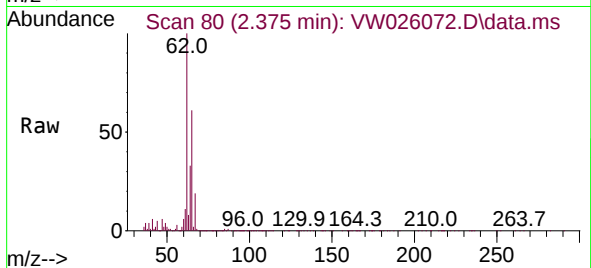
Tgt Ion: 50 Resp: 241394
Ion Ratio Lower Upper
50 100
52 32.0 22.1 41.1



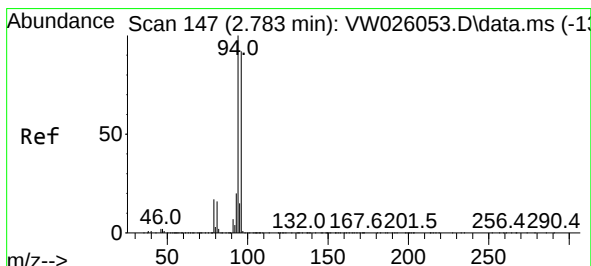
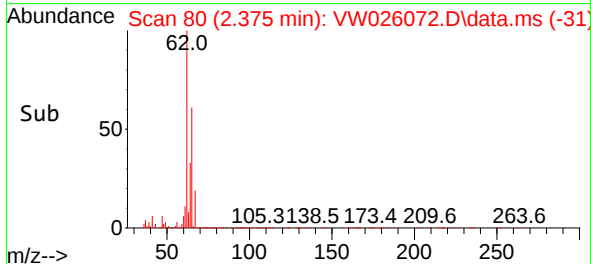
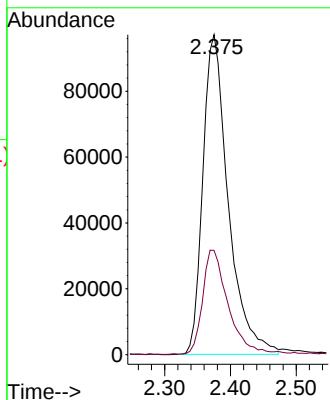


#5
 Vinyl chloride
 Concen: 23.654 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026072.D
 Acq: 26 May 2023 16:44

Instrument :
 MSVOA_W
 ClientSampleId :

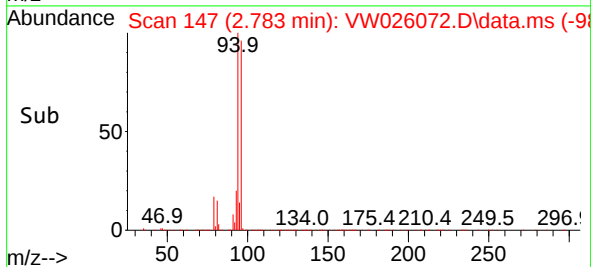
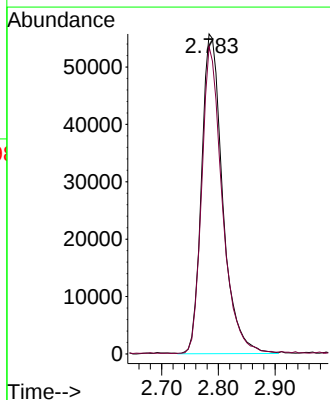
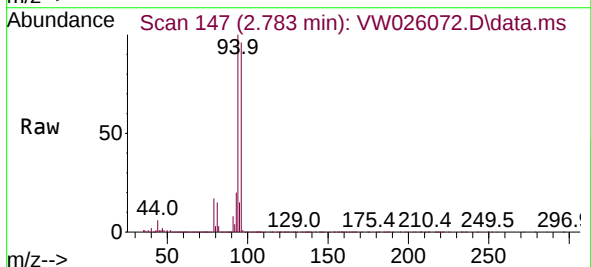


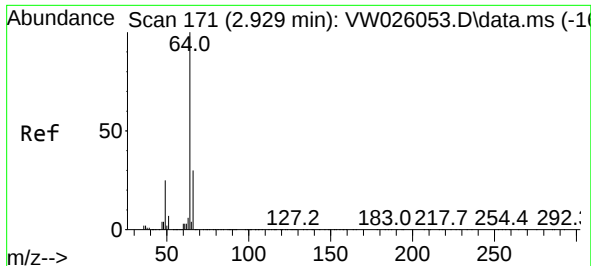
Tgt Ion: 62 Resp: 260871
 Ion Ratio Lower Upper
 62 100
 64 32.6 22.7 42.3



#6
 Bromomethane
 Concen: 24.024 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW026072.D
 Acq: 26 May 2023 16:44

Tgt Ion: 94 Resp: 144111
 Ion Ratio Lower Upper
 94 100
 96 96.0 63.1 117.1

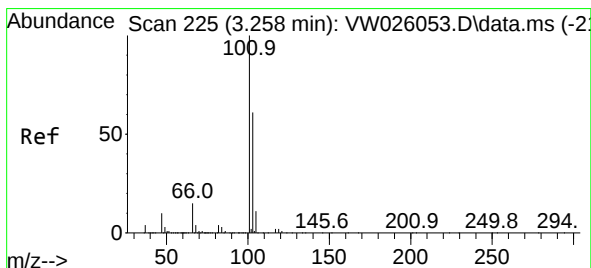
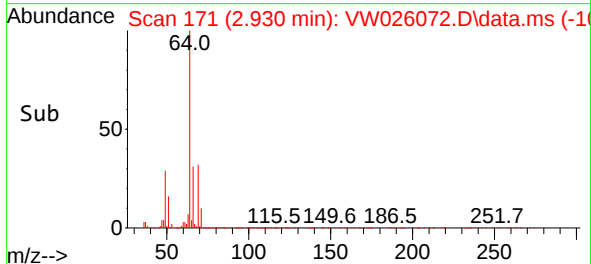
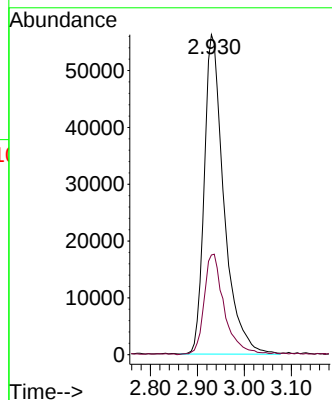
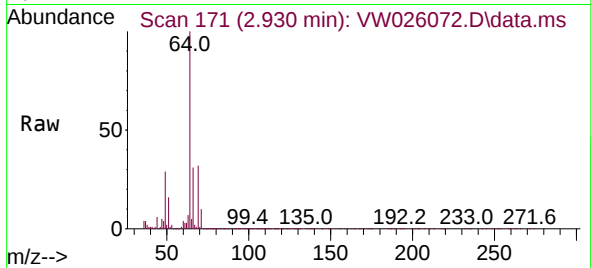




#8
Chloroethane
Concen: 26.089 ug/L
RT: 2.930 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

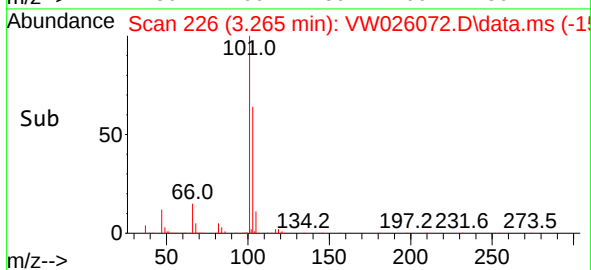
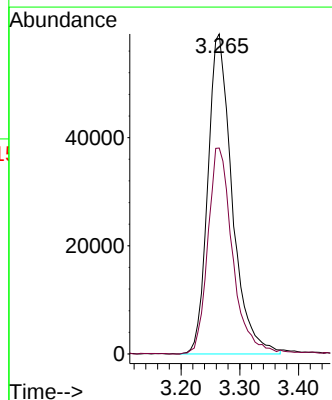
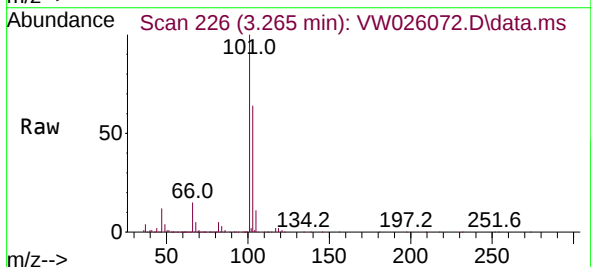
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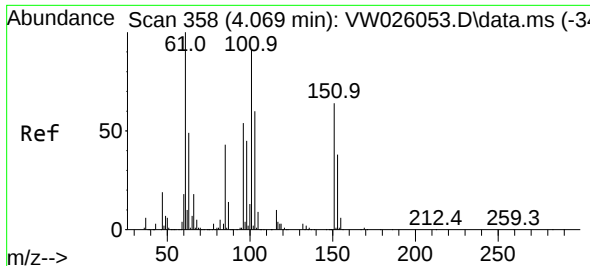
Tgt Ion: 64 Resp: 163611
Ion Ratio Lower Upper
64 100
66 31.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 20.412 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.007 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion: 101 Resp: 169889
Ion Ratio Lower Upper
101 100
103 65.2 50.6 76.0

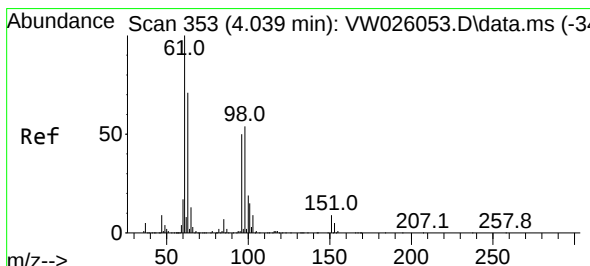
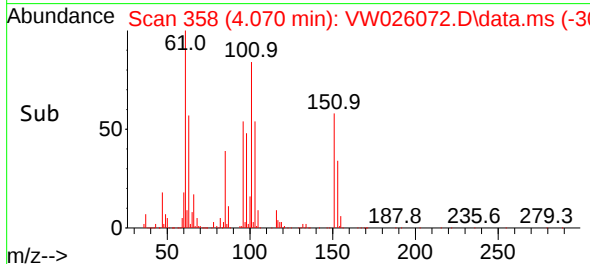
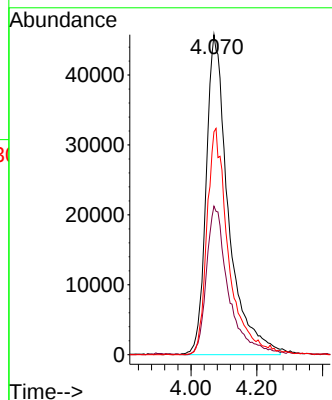
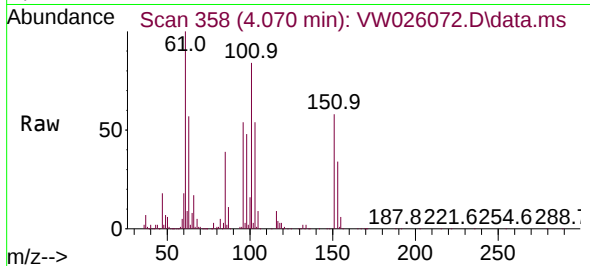




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.825 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW026072.D
 Acq: 26 May 2023 16:44

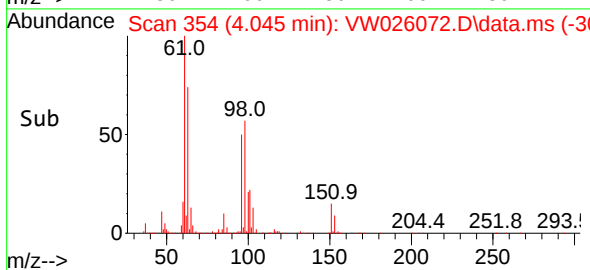
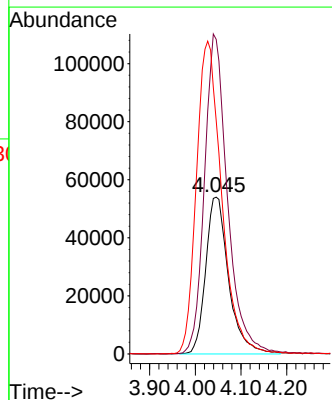
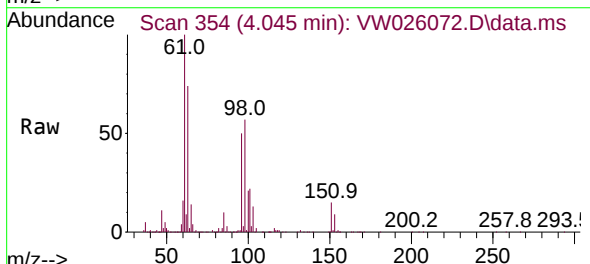
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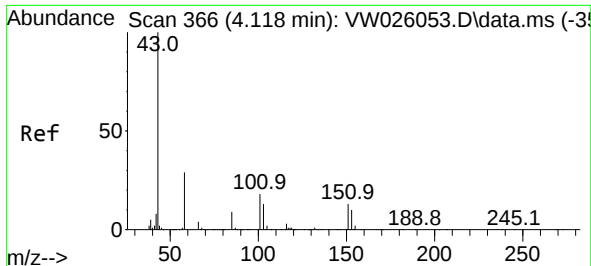
Tgt Ion:101 Resp: 215664
 Ion Ratio Lower Upper
 101 100
 85 45.6 33.9 50.9
 151 66.3 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 21.830 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.007 min
 Lab File: VW026072.D
 Acq: 26 May 2023 16:44

Tgt Ion: 96 Resp: 188849
 Ion Ratio Lower Upper
 96 100
 61 200.6 135.0 250.8
 63 148.9 104.9 194.7

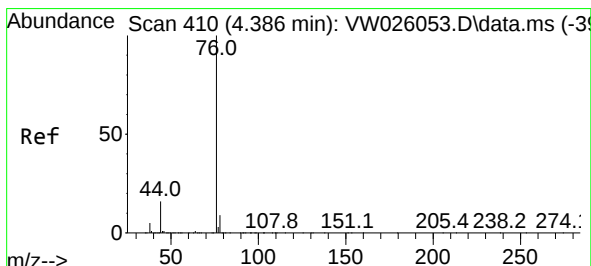
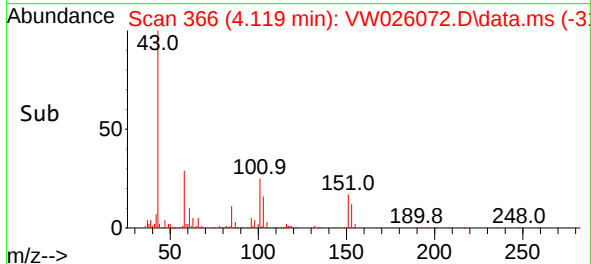
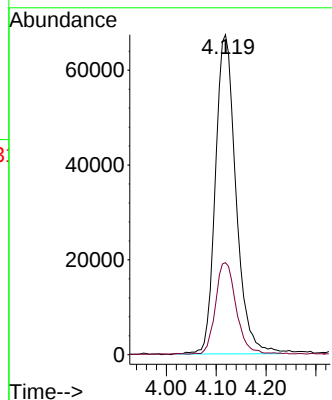
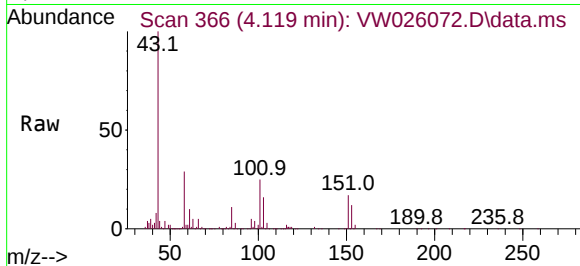




#13
Acetone
Concen: 71.606 ug/L
RT: 4.119 min Scan# 30
Delta R.T. 0.000 min
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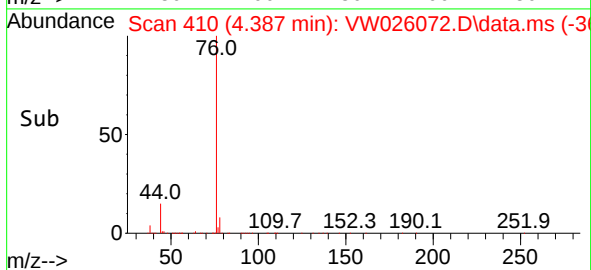
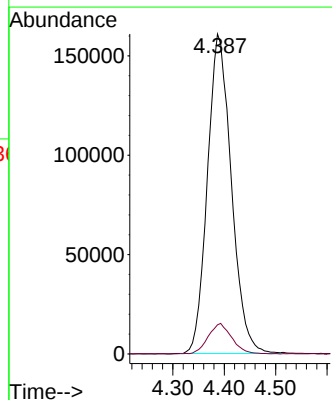
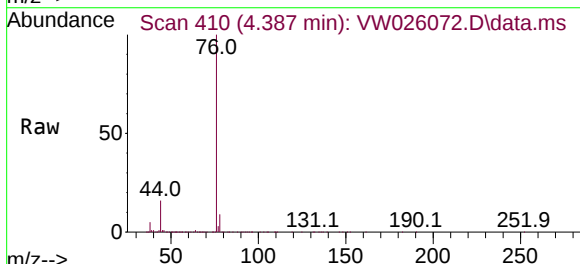
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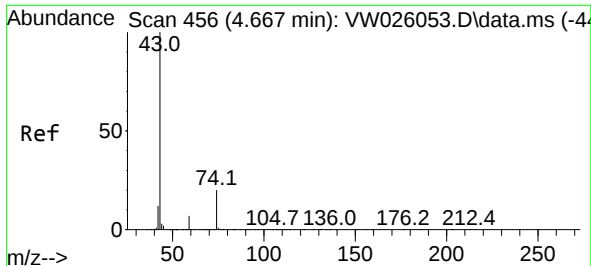
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Ion Ratio Lower Upper
43 100
58 27.9 0.0 58.2



#14
Carbon disulfide
Concen: 17.774 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion: 76 Resp: 519981
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

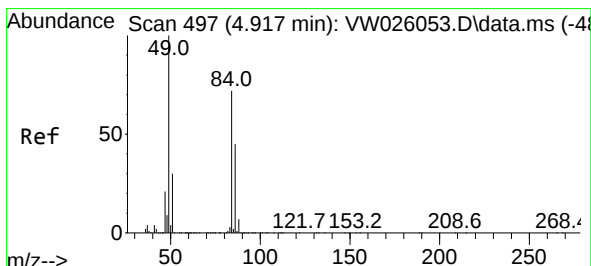
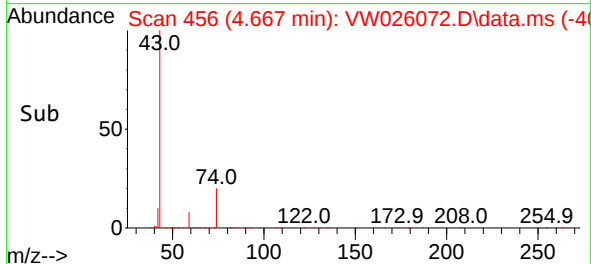
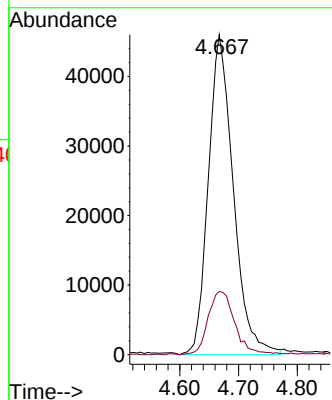
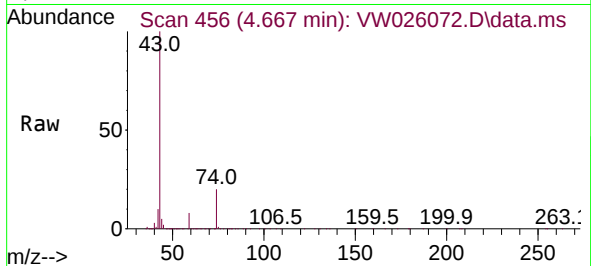




#15
Methyl Acetate
Concen: 25.644 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

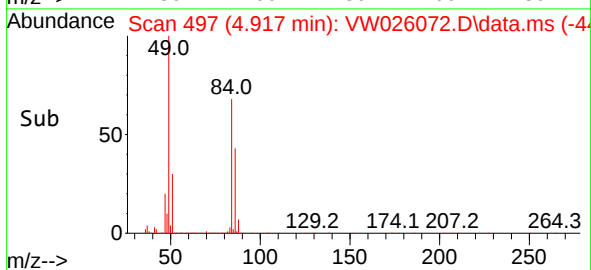
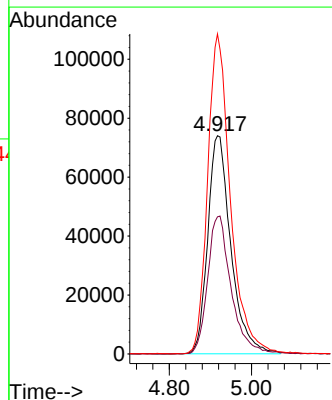
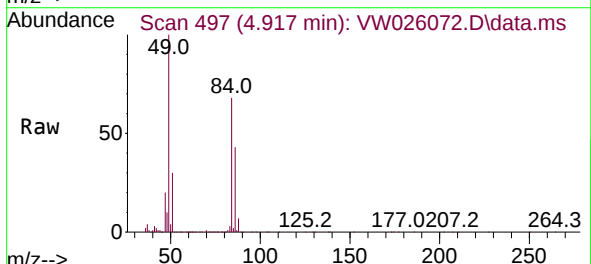
Instrument :
MSVOA_W
ClientSampleId :

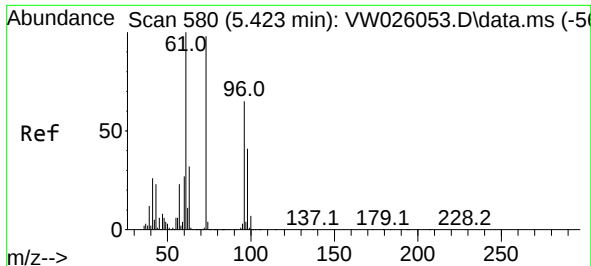
Tgt Ion: 43 Resp: 135783
Ion Ratio Lower Upper
43 100
74 21.2 16.5 24.7



#16
Methylene chloride
Concen: 21.679 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion: 84 Resp: 289189
Ion Ratio Lower Upper
84 100
86 62.8 41.7 77.5
49 146.6 95.3 177.1

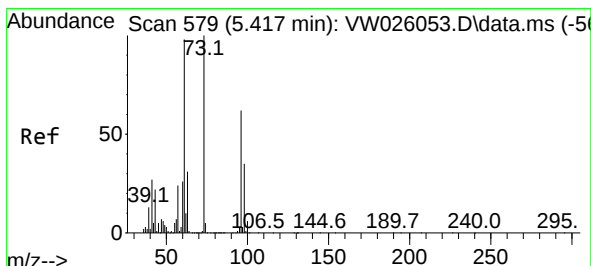
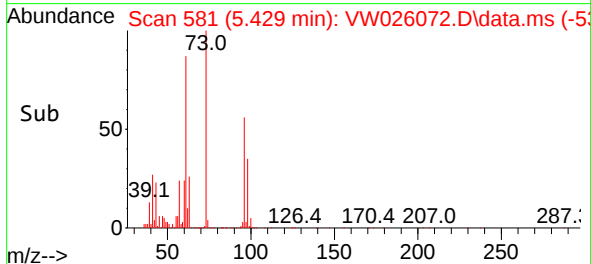
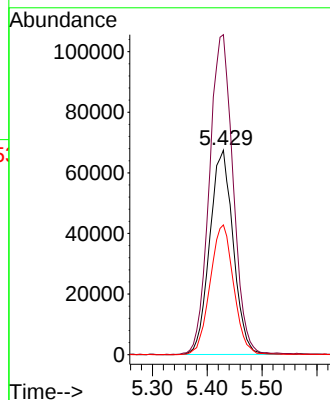
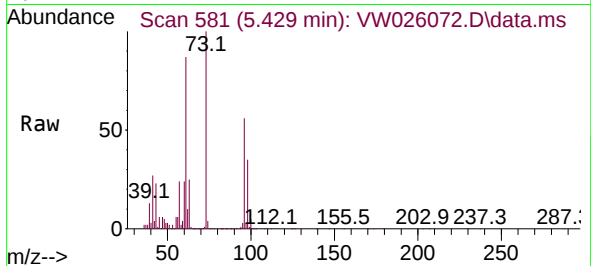




#17
trans-1,2-Dichloroethene
Concen: 21.265 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.007 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

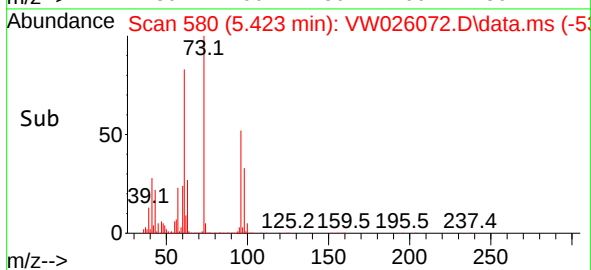
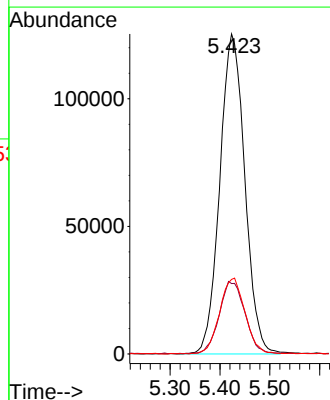
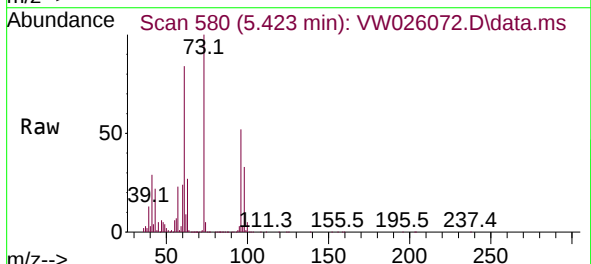
Instrument :
MSVOA_W
ClientSampleId :

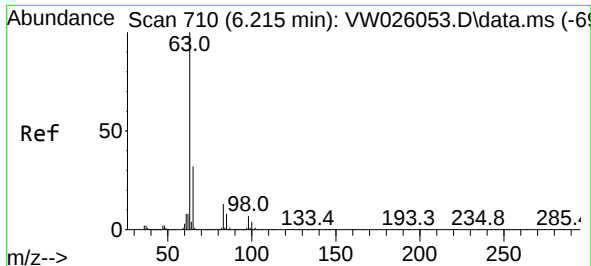
Tgt Ion: 96 Resp: 200688
Ion Ratio Lower Upper
96 100
61 156.5 108.1 200.9
98 63.5 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 30.492 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.007 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion: 73 Resp: 436753
Ion Ratio Lower Upper
73 100
43 23.2 18.2 27.4
57 23.9 19.2 28.8





#19

1,1-Dichloroethane

Concen: 23.624 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

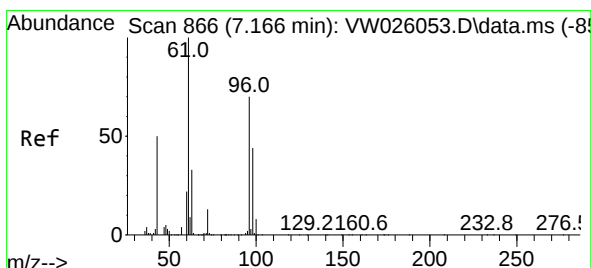
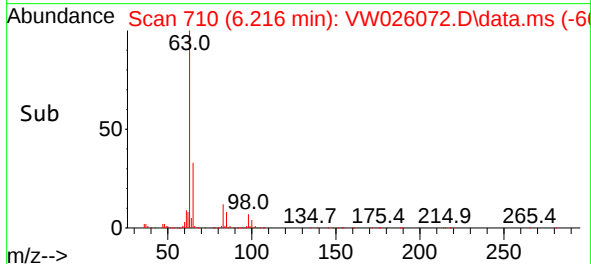
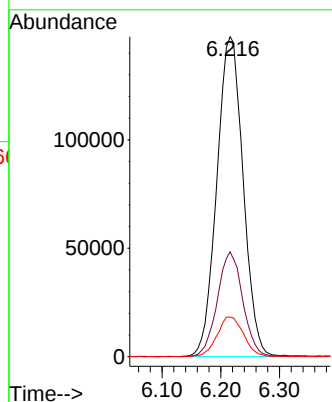
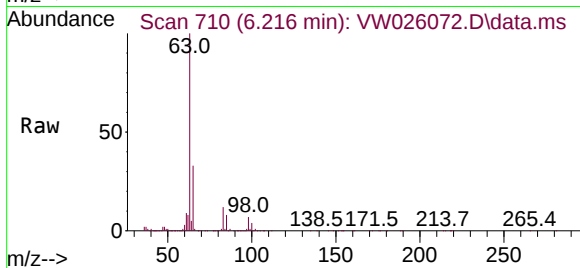
Tgt Ion: 63 Resp: 458057

Ion Ratio Lower Upper

63 100

65 32.8 22.4 41.6

83 12.4 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 23.108 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

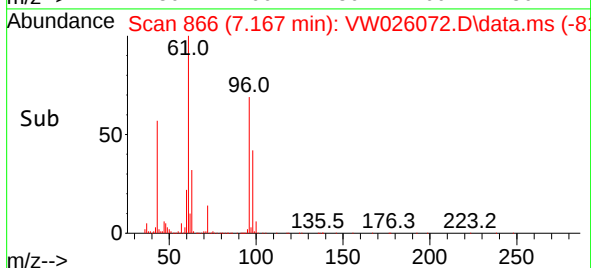
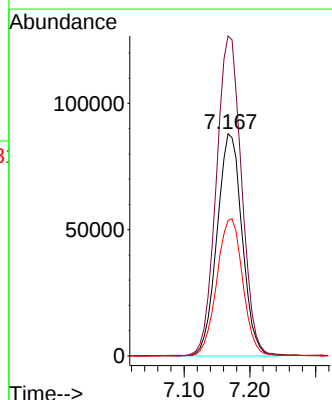
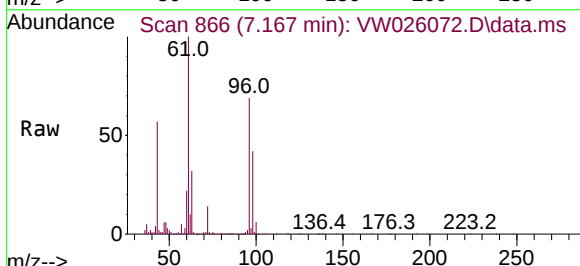
Tgt Ion: 96 Resp: 233965

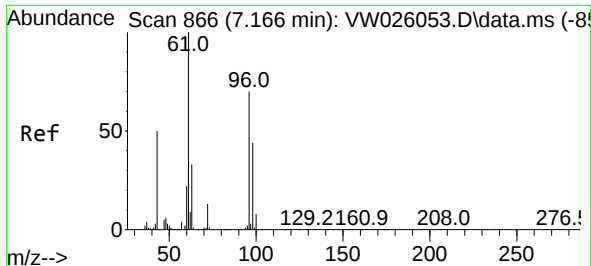
Ion Ratio Lower Upper

96 100

61 144.0 98.6 183.0

98 61.0 45.2 84.0

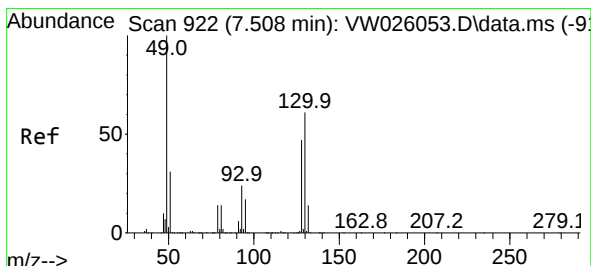
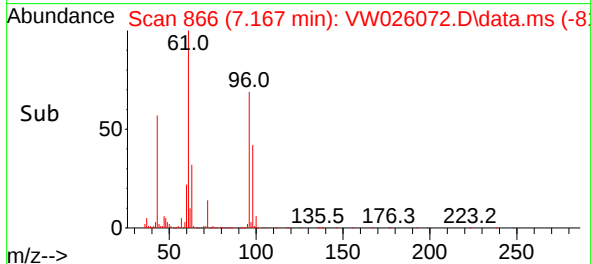
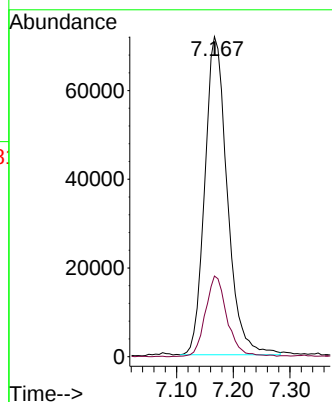
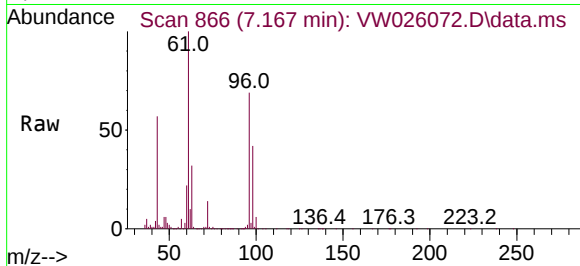




#22
2-Butanone
Concen: 53.245 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

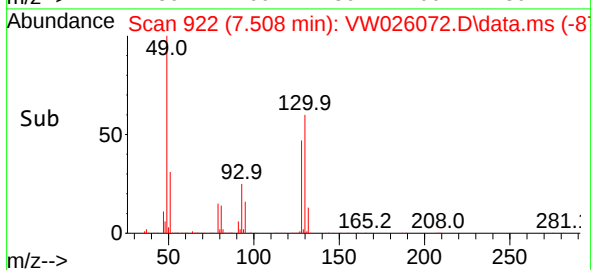
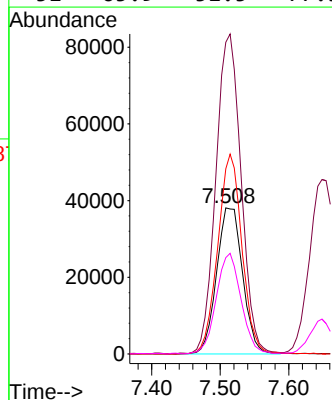
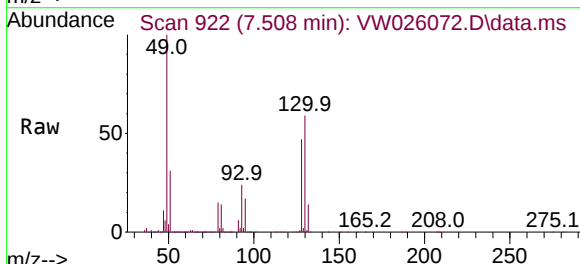
Instrument :
MSVOA_W
ClientSampleId :

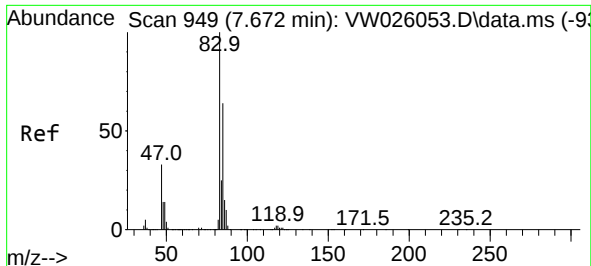
Tgt Ion: 43 Resp: 197546
Ion Ratio Lower Upper
43 100
72 24.4 11.8 35.4



#23
Bromochloromethane
Concen: 23.346 ug/L
RT: 7.508 min Scan# 922
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion: 128 Resp: 100141
Ion Ratio Lower Upper
128 100
49 213.4 151.5 281.5
130 126.7 91.3 169.6
51 65.9 51.5 77.3

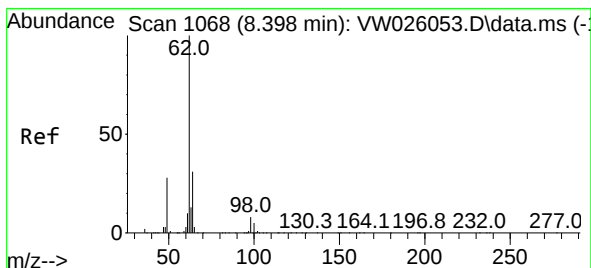
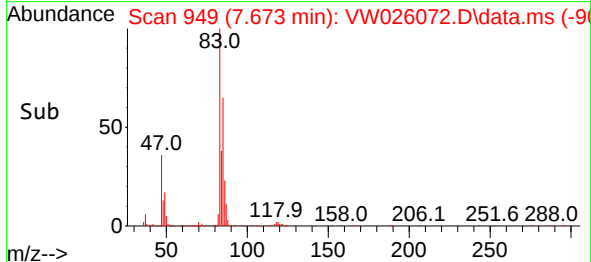
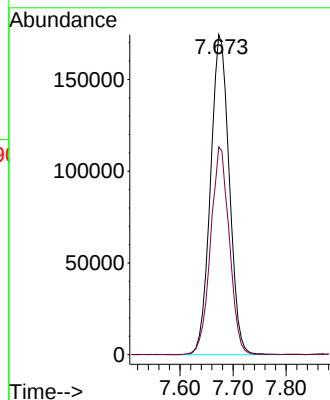
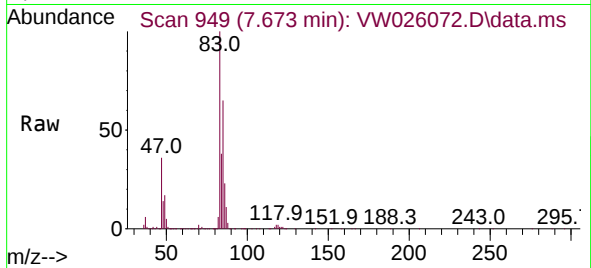




#25
Chloroform
Concen: 24.023 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

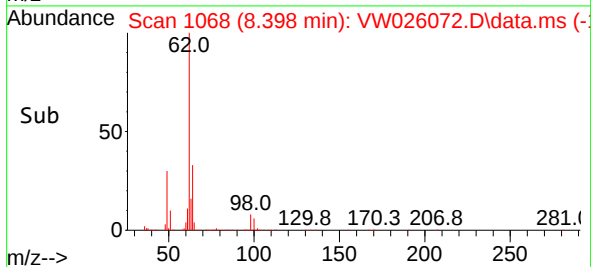
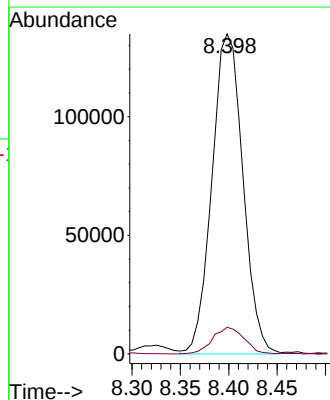
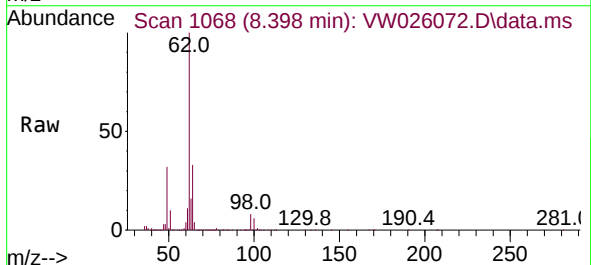
Instrument :
MSVOA_W
ClientSampleId :

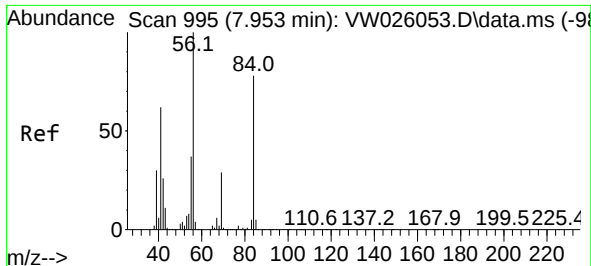
Tgt Ion: 83 Resp: 428119
Ion Ratio Lower Upper
83 100
85 64.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 23.738 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion: 62 Resp: 300435
Ion Ratio Lower Upper
62 100
98 8.4 7.2 10.8





#29

Cyclohexane

Concen: 27.383 ug/L

RT: 7.953 min Scan# 995

Delta R.T. 0.000 min

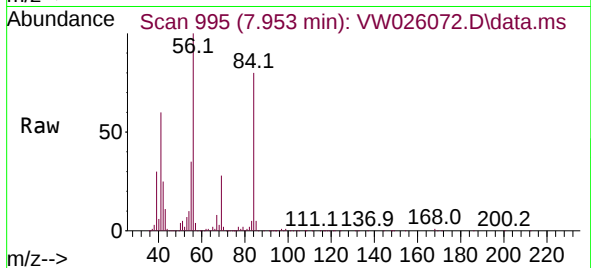
Lab File: VW026072.D

Acq: 26 May 2023 16:44

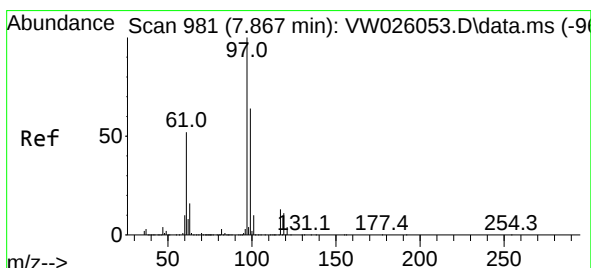
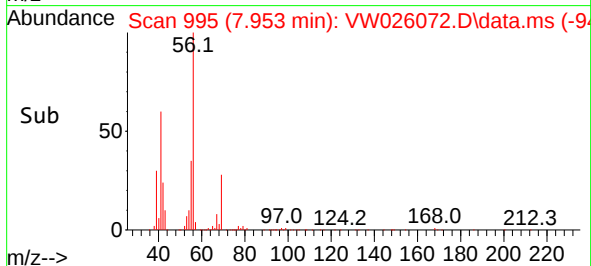
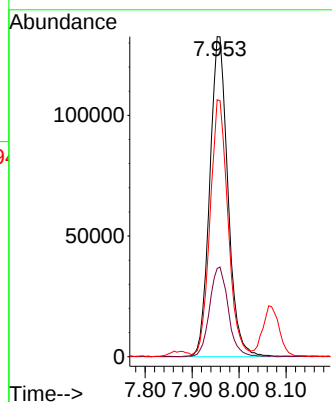
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	56	Resp:	355406
Ion Ratio	Lower	Upper	
56	100		
69	28.8	23.4	35.0
84	79.3	63.3	94.9



#30

1,1,1-Trichloroethane

Concen: 33.658 ug/L

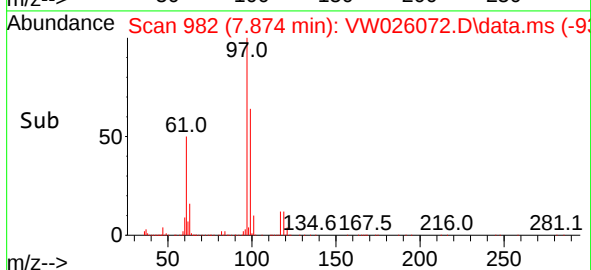
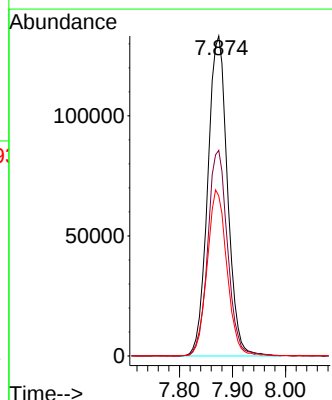
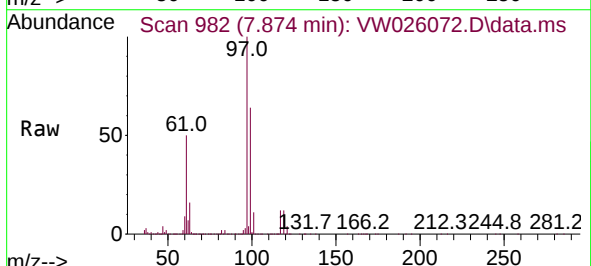
RT: 7.874 min Scan# 982

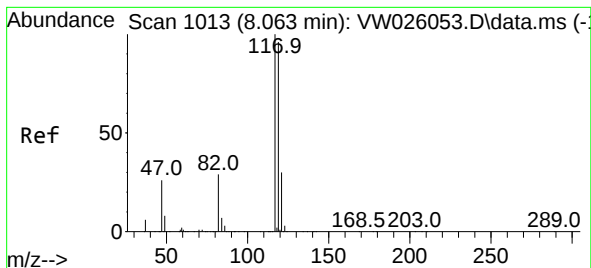
Delta R.T. 0.007 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Tgt Ion:	97	Resp:	344751
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.1	76.7
61	51.9	40.4	60.6





#31

Carbon tetrachloride

Concen: 31.051 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.007 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

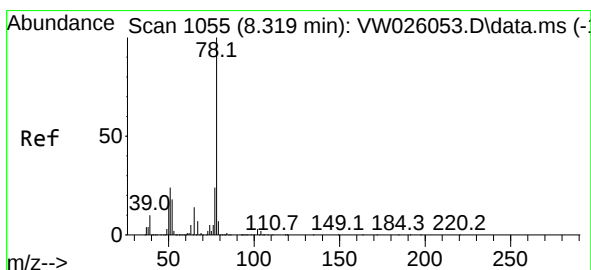
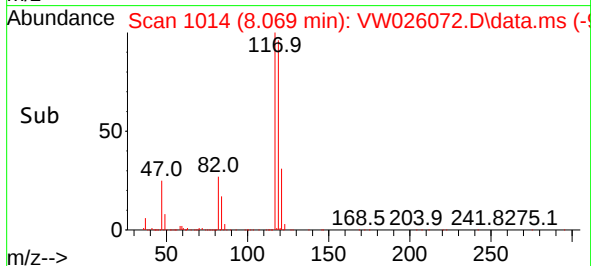
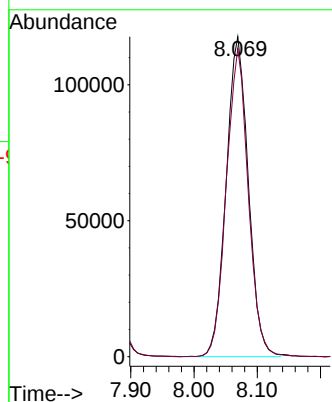
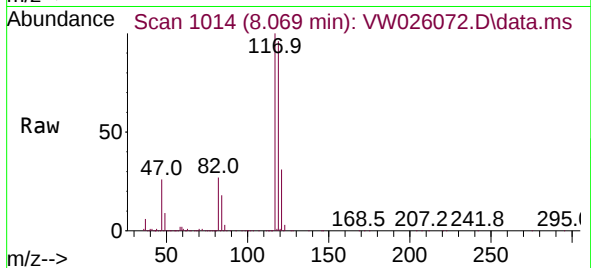
ClientSampleId :

Tgt Ion:117 Resp: 286231

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3



#33

Benzene

Concen: 30.231 ug/L

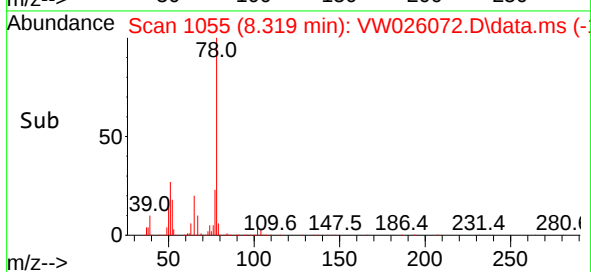
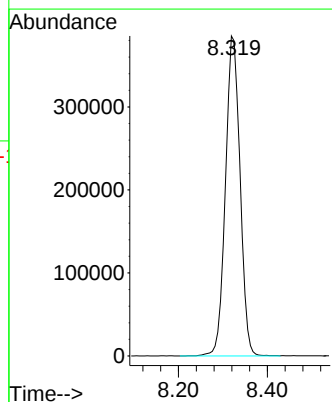
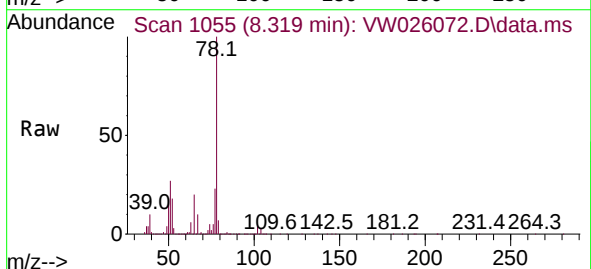
RT: 8.319 min Scan# 1055

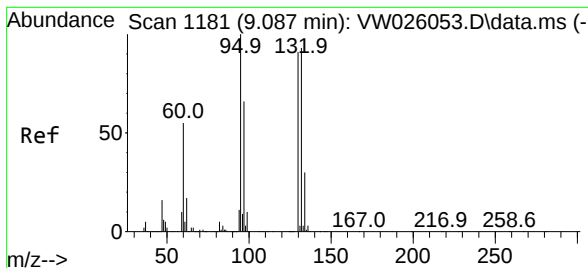
Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Tgt Ion: 78 Resp: 875992





#34

Trichloroethene

Concen: 24.925 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.007 min

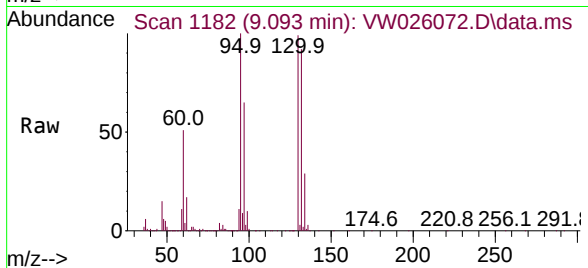
Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 95 Resp: 185335

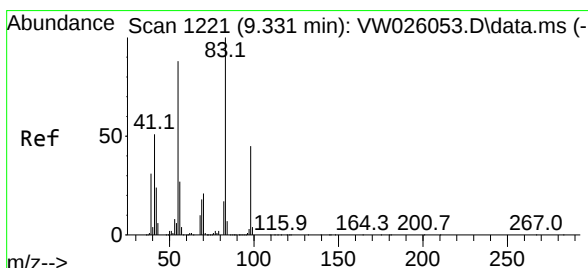
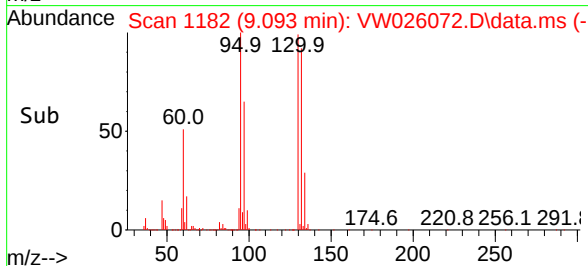
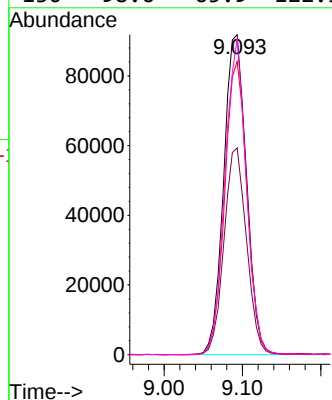
Ion Ratio Lower Upper

95 100

97 64.6 45.9 85.3

132 91.6 66.0 122.6

130 98.6 65.9 122.3



#35

Methylcyclohexane

Concen: 22.798 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.007 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

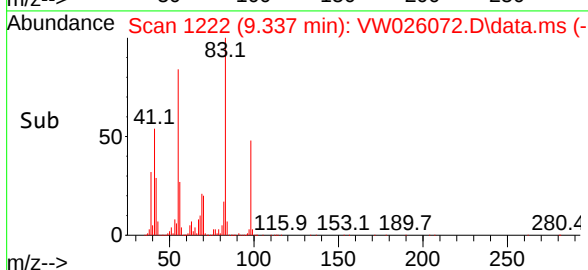
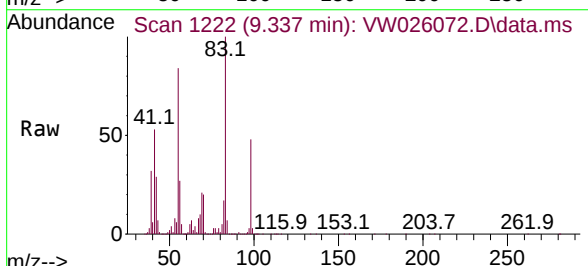
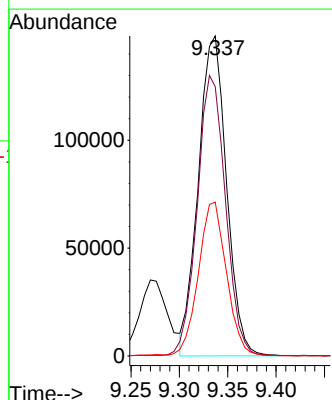
Tgt Ion: 83 Resp: 301497

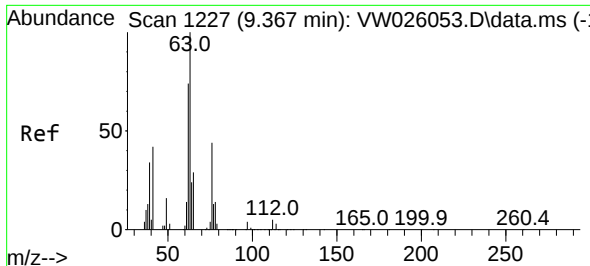
Ion Ratio Lower Upper

83 100

55 87.8 69.0 103.4

98 47.4 37.1 55.7





#37

1,2-Dichloropropane

Concen: 32.151 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

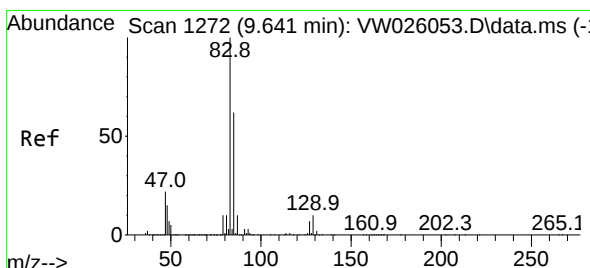
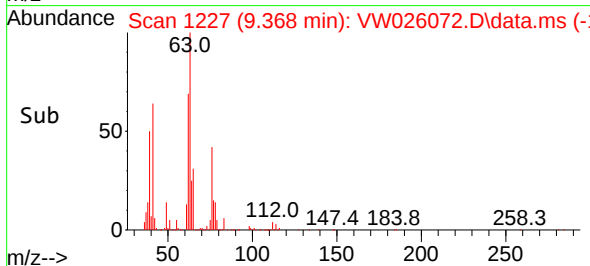
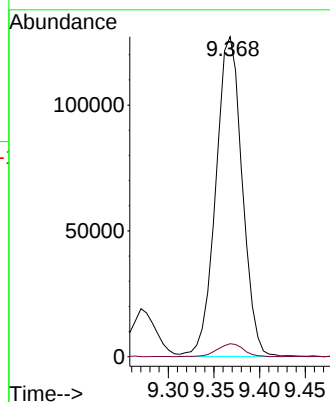
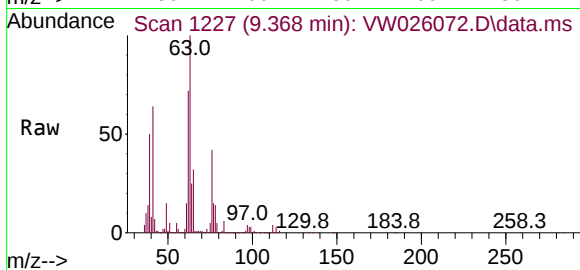
ClientSampleId :

Tgt Ion: 63 Resp: 255239

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 30.732 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

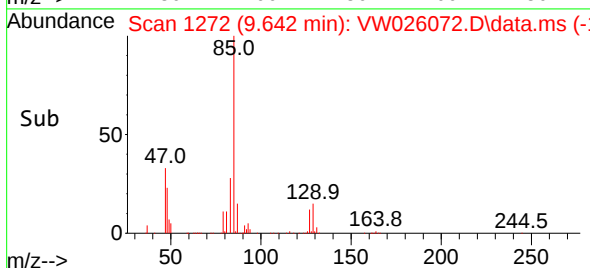
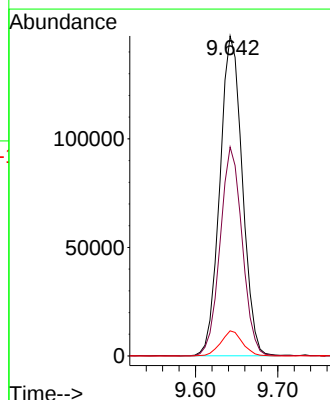
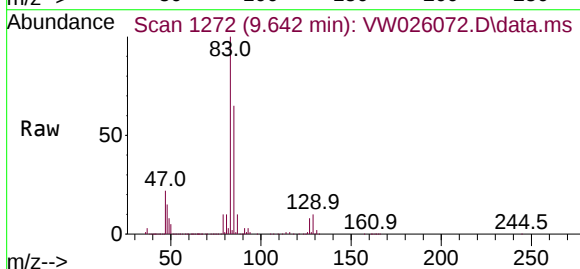
Tgt Ion: 83 Resp: 279905

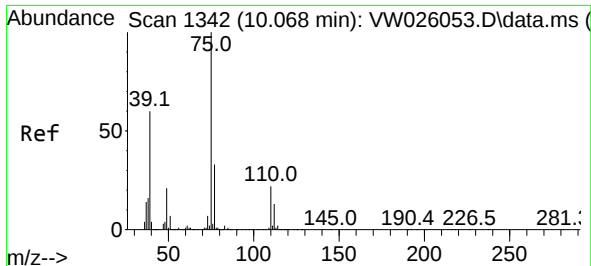
Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.5

127 7.9 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 26.379 ug/L

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

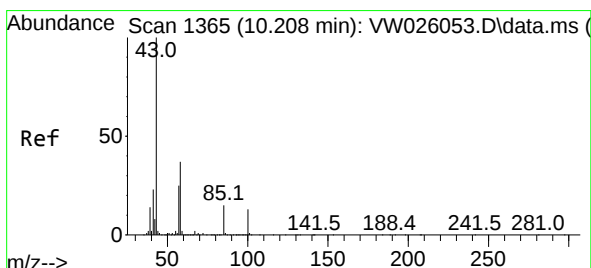
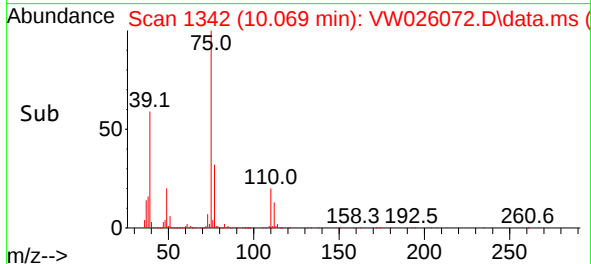
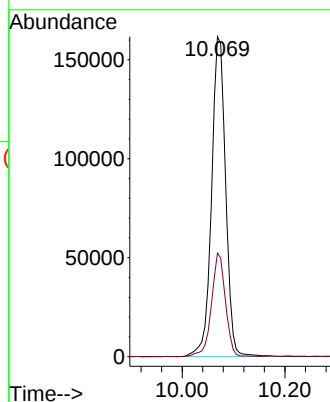
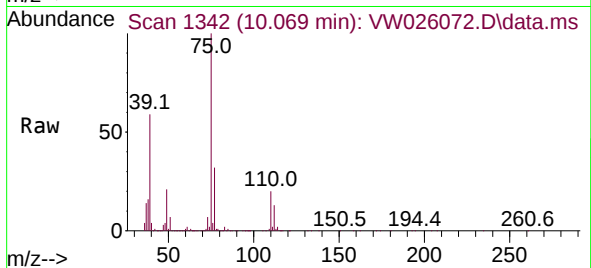
ClientSampleId :

Tgt Ion: 75 Resp: 307109

Ion Ratio Lower Upper

75 100

77 32.4 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 72.904 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

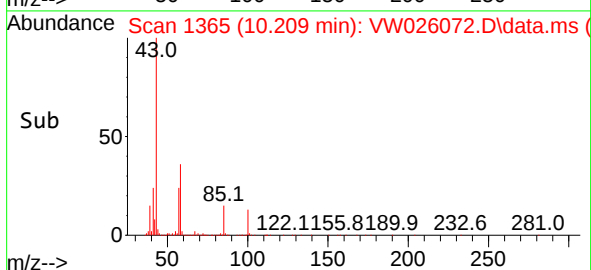
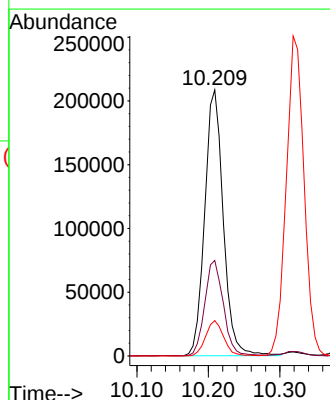
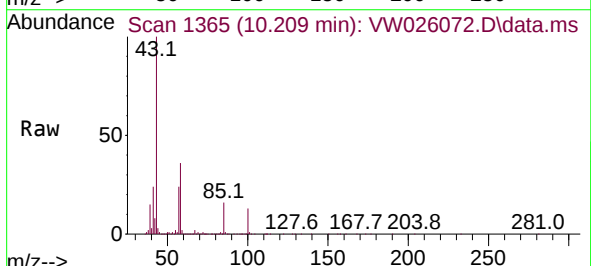
Tgt Ion: 43 Resp: 376730

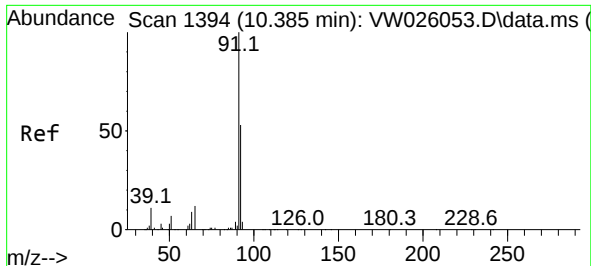
Ion Ratio Lower Upper

43 100

58 36.0 29.4 44.0

100 13.0 10.1 15.1

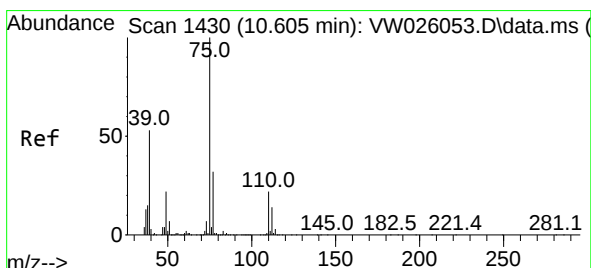
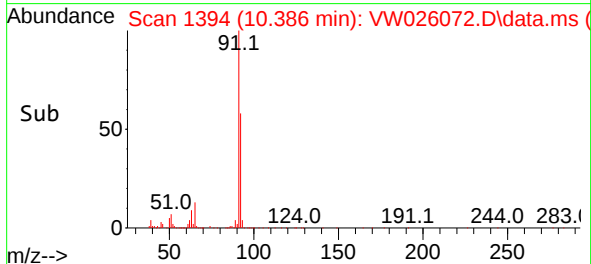
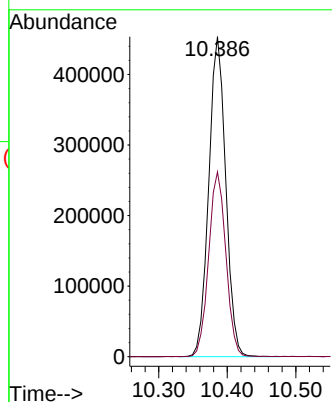
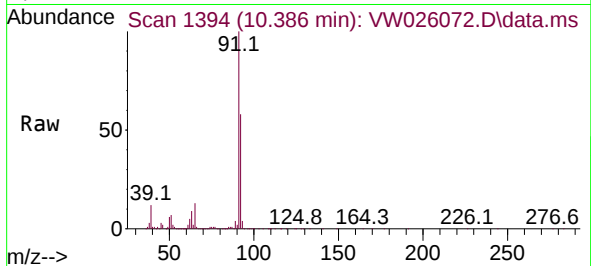




#42
Toluene
Concen: 26.413 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

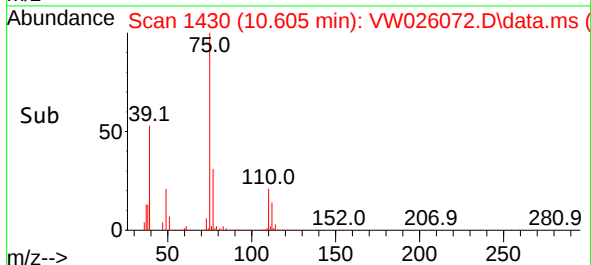
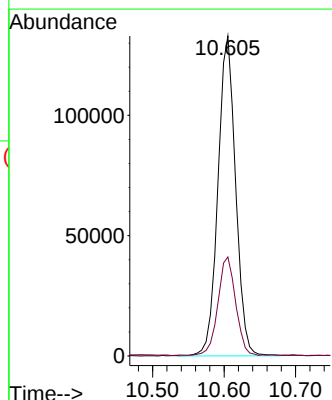
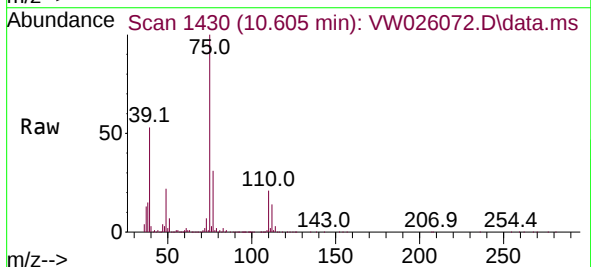
Instrument :
MSVOA_W
ClientSampleId :

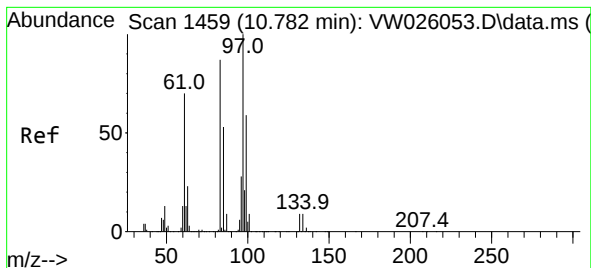
Tgt Ion: 91 Resp: 782020
Ion Ratio Lower Upper
91 100
92 57.7 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 23.640 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion: 75 Resp: 228048
Ion Ratio Lower Upper
75 100
77 31.0 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 29.966 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. 0.000 min

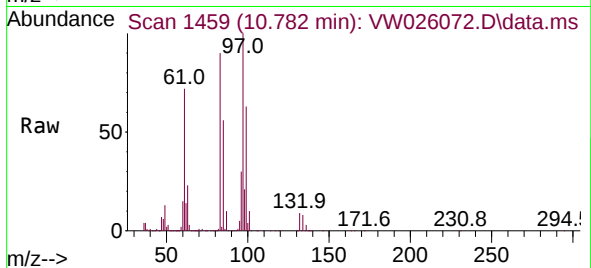
Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 97 Resp: 159139

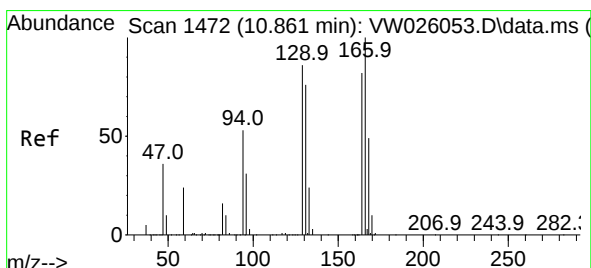
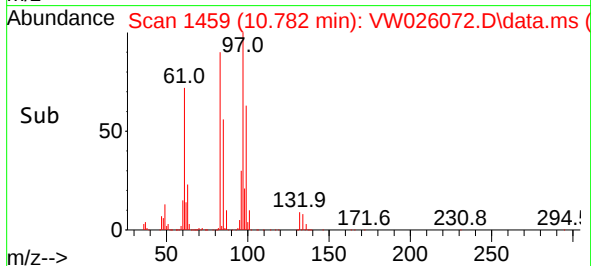
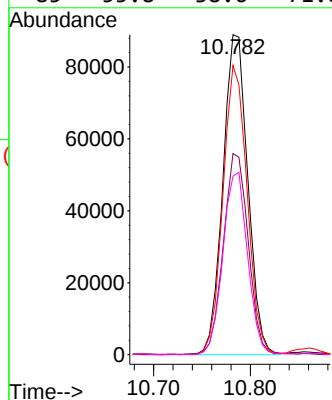
Ion Ratio Lower Upper

97 100

99 62.8 44.5 82.7

83 90.4 63.0 117.0

85 55.8 38.6 71.8



#46

Tetrachloroethene

Concen: 20.604 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Tgt Ion:164 Resp: 107782

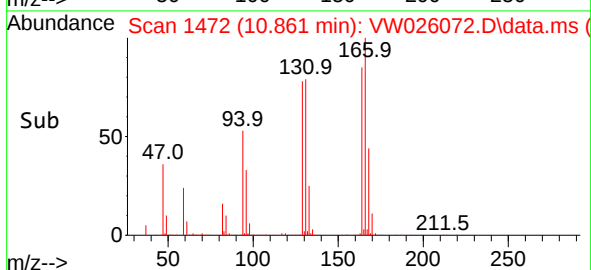
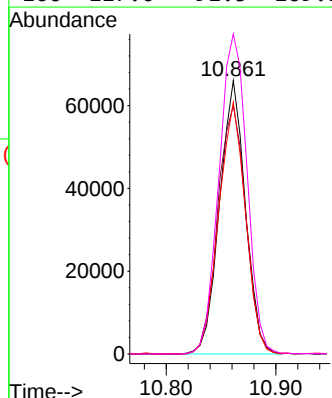
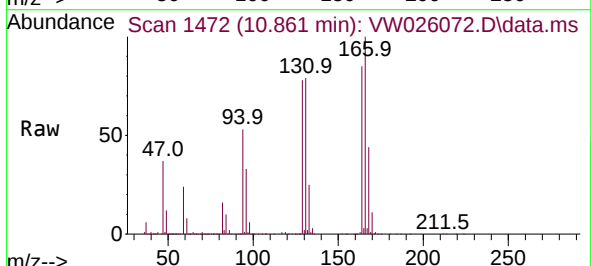
Ion Ratio Lower Upper

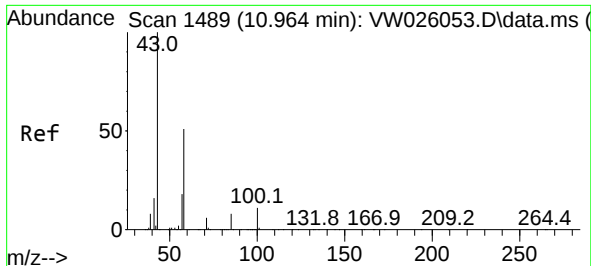
164 100

129 90.7 74.3 138.1

131 92.1 71.3 132.3

166 117.0 91.5 169.9

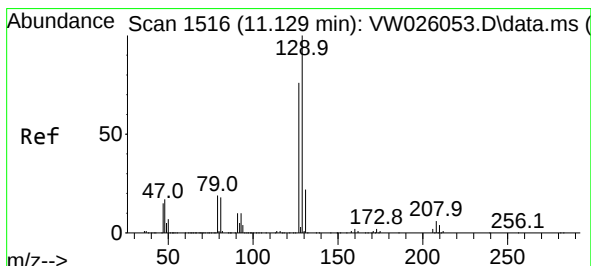
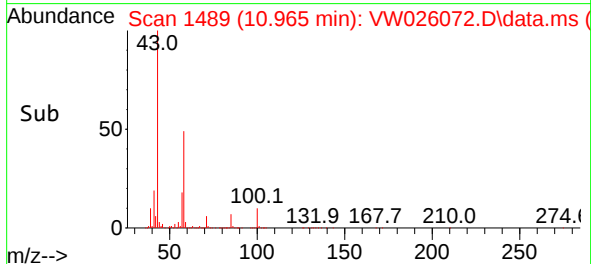
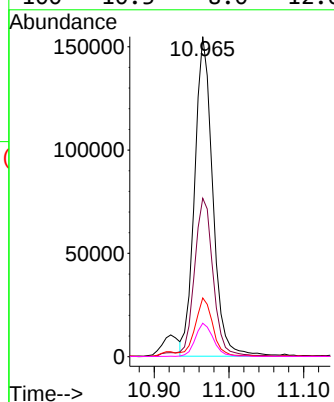
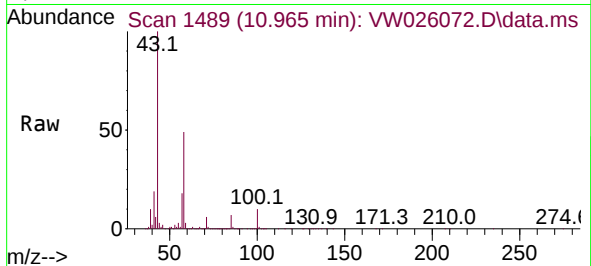




#48
2-Hexanone
Concen: 70.546 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

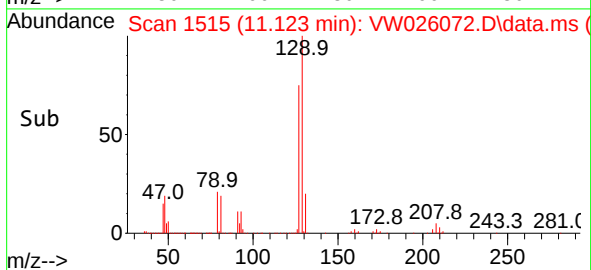
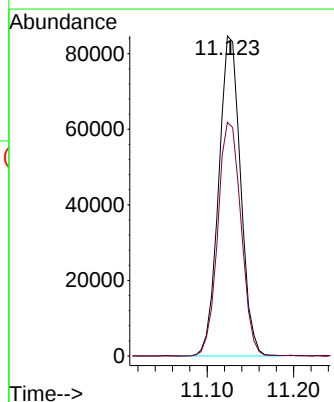
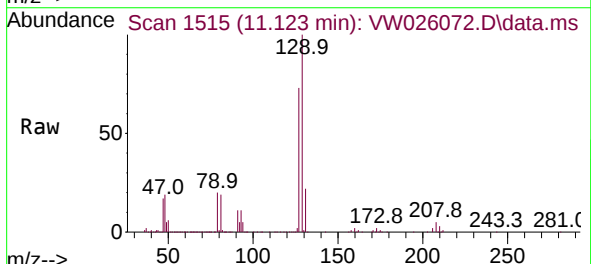
Instrument :
MSVOA_W
ClientSampleId :

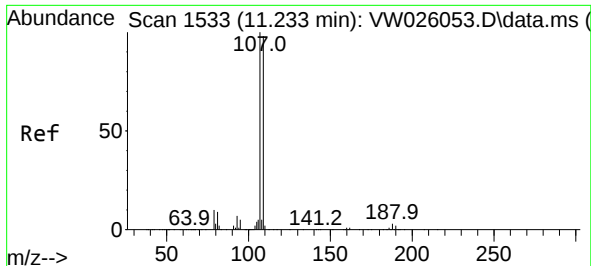
Tgt Ion: 43	Resp: 261153
Ion Ratio	Lower Upper
43 100	
58 50.9	40.8 61.2
57 17.8	13.6 20.4
100 10.3	8.0 12.0



#49
Dibromochloromethane
Concen: 27.071 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion:129	Resp: 148836
Ion Ratio	Lower Upper
129 100	
127 73.1	56.1 104.3





#50

1,2-Dibromoethane

Concen: 24.865 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

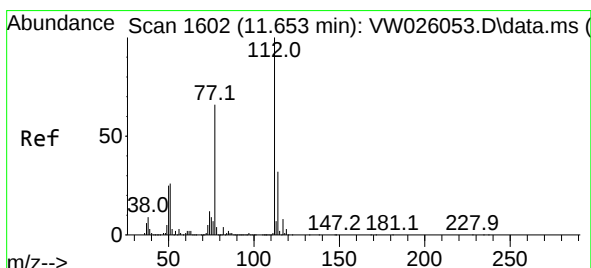
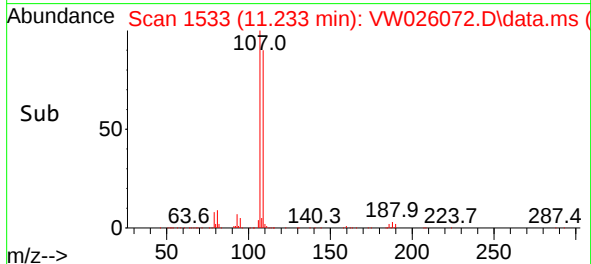
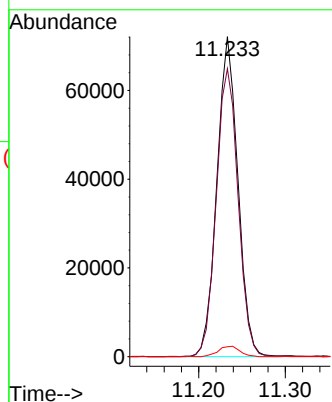
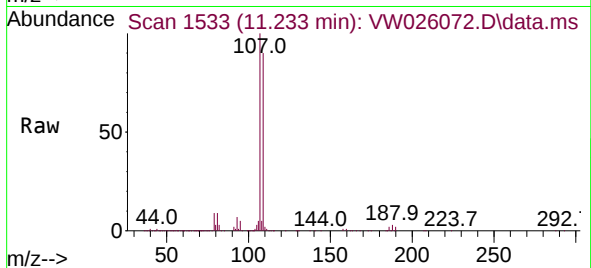
Tgt Ion:107 Resp: 121733

Ion Ratio Lower Upper

107 100

109 90.0 67.5 125.4

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 21.108 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

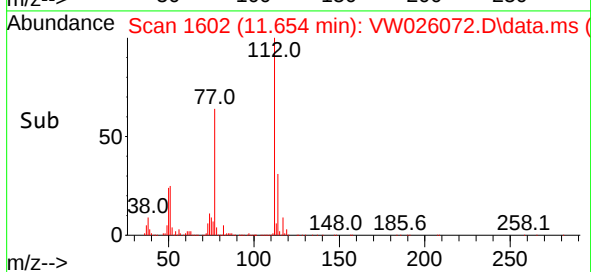
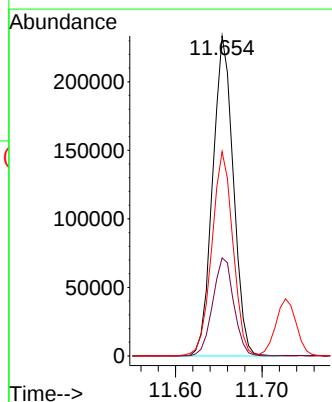
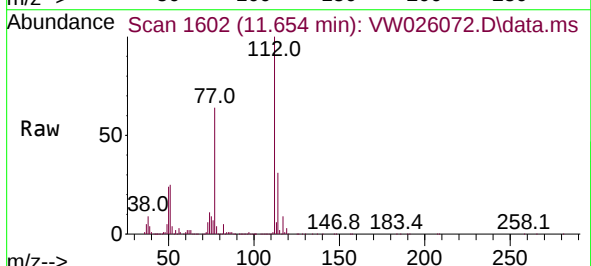
Tgt Ion:112 Resp: 387151

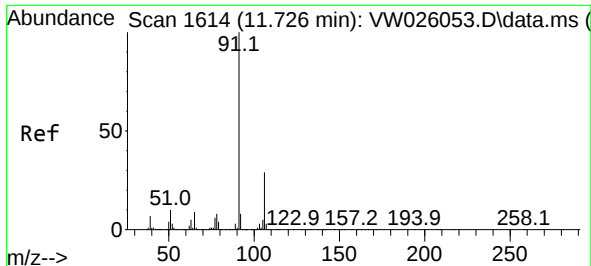
Ion Ratio Lower Upper

112 100

114 30.7 22.7 42.3

77 63.9 53.0 79.6





#52

Ethylbenzene

Concen: 22.572 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

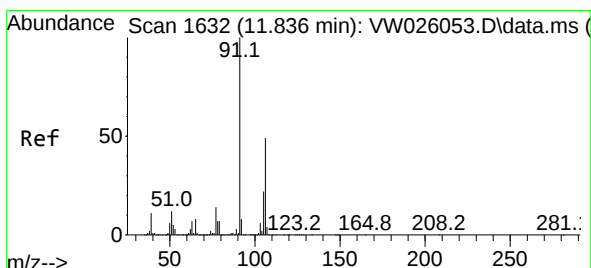
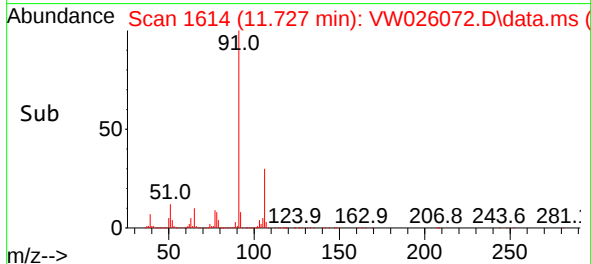
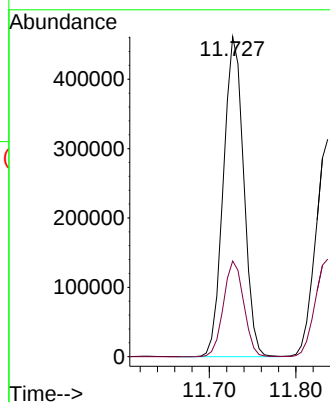
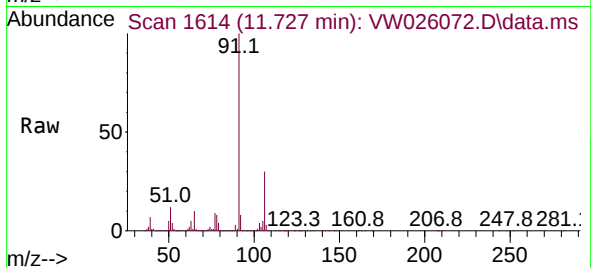
ClientSampleId :

Tgt Ion: 91 Resp: 751747

Ion Ratio Lower Upper

91 100

106 29.9 20.8 38.6



#53

m,p-Xylene

Concen: 22.167 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW026072.D

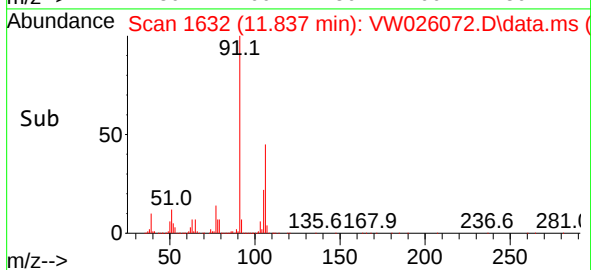
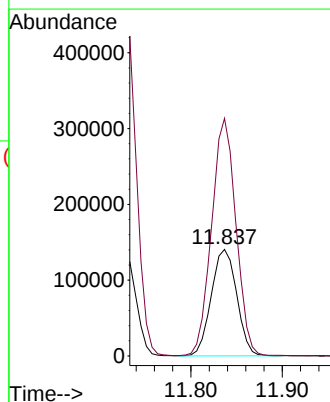
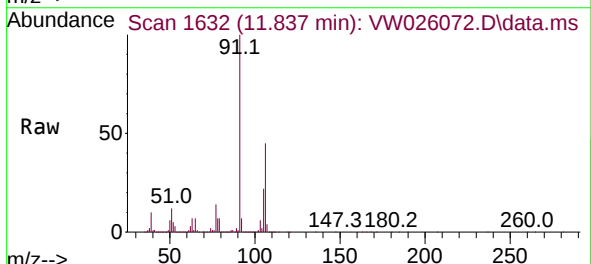
Acq: 26 May 2023 16:44

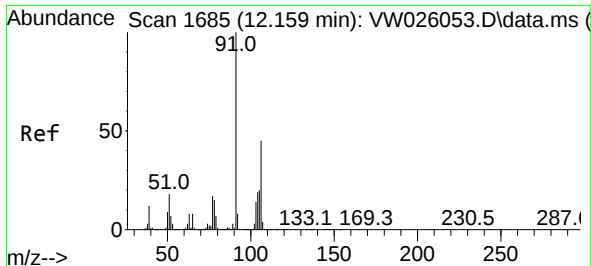
Tgt Ion:106 Resp: 271724

Ion Ratio Lower Upper

106 100

91 222.9 150.1 278.9

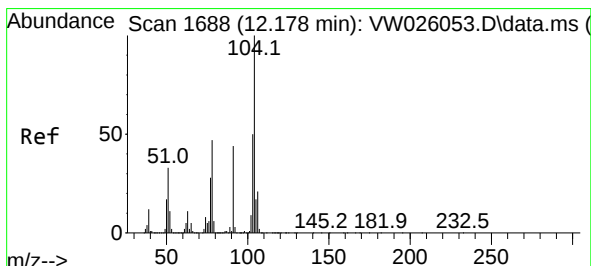
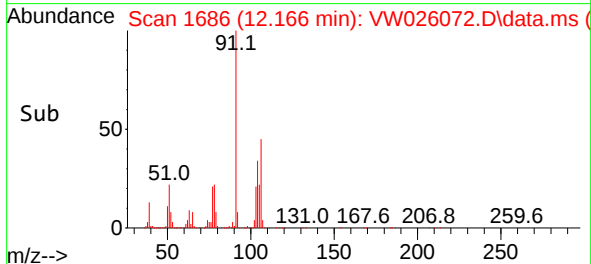
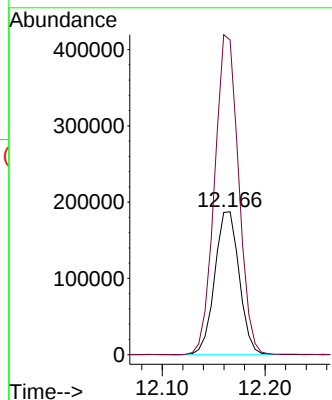
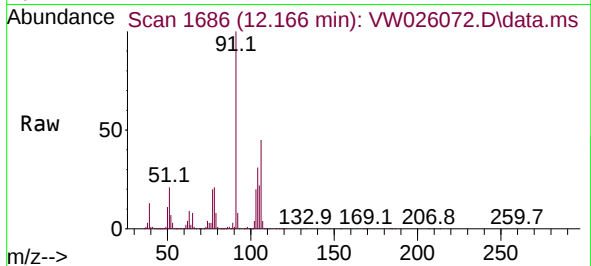




#54
o-Xylene
Concen: 26.810 ug/L
RT: 12.166 min Scan# 1
Delta R.T. 0.007 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

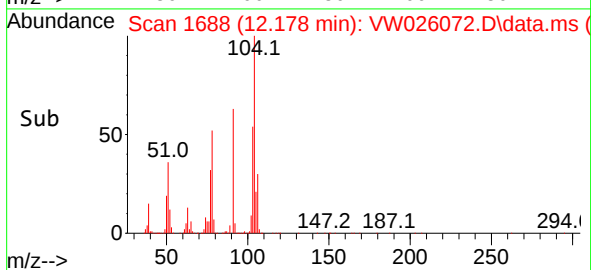
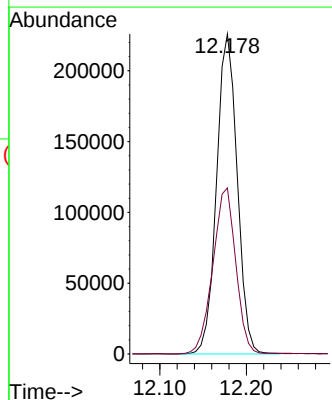
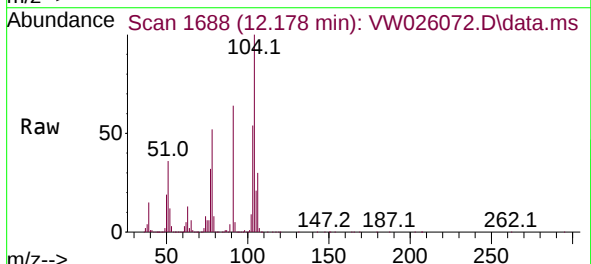
Instrument :
MSVOA_W
ClientSampleId :

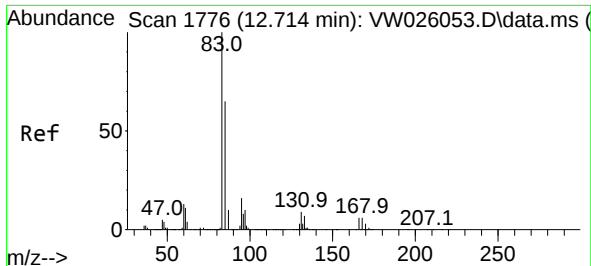
Tgt Ion:106 Resp: 309749
Ion Ratio Lower Upper
106 100
91 220.1 157.8 293.1



#55
Styrene
Concen: 18.889 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026072.D
Acq: 26 May 2023 16:44

Tgt Ion:104 Resp: 373530
Ion Ratio Lower Upper
104 100
78 51.9 33.4 62.0





#57

1,1,2-Tetrachloroethane

Concen: 28.941 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

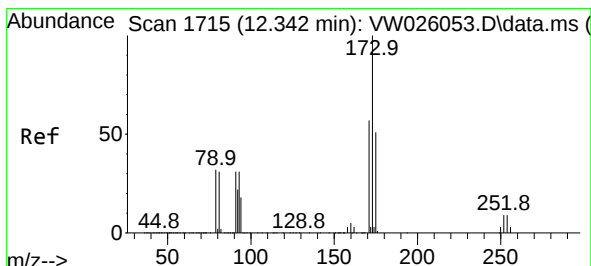
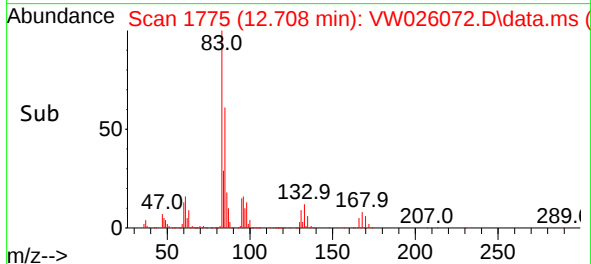
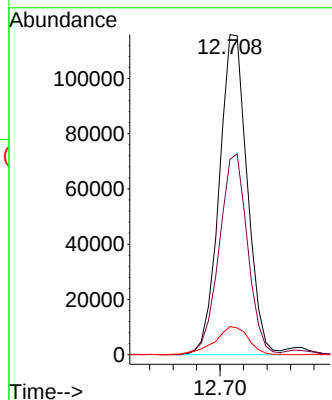
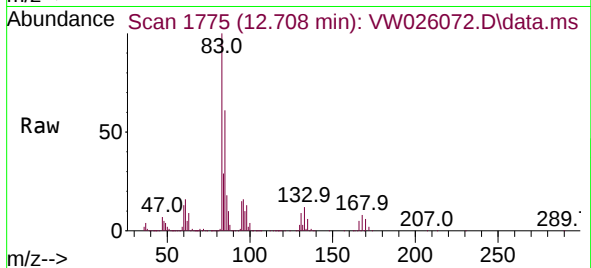
Tgt Ion: 83 Resp: 191772

Ion Ratio Lower Upper

83 100

85 61.0 45.6 84.8

131 8.8 8.1 12.1



#59

Bromoform

Concen: 44.202 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.007 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

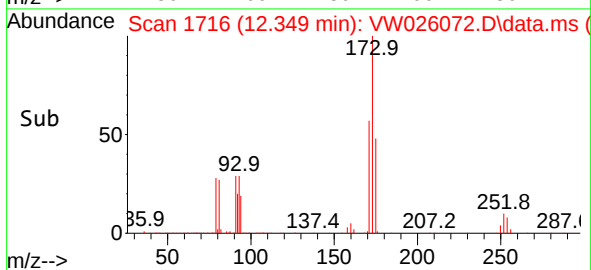
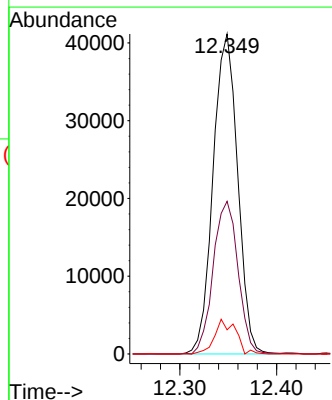
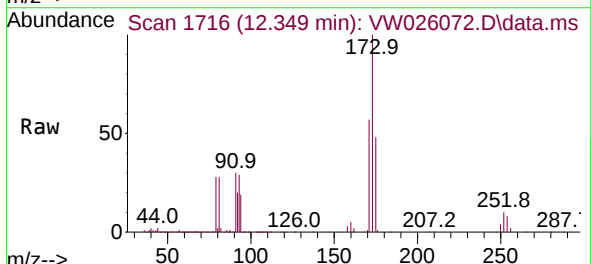
Tgt Ion:173 Resp: 72463

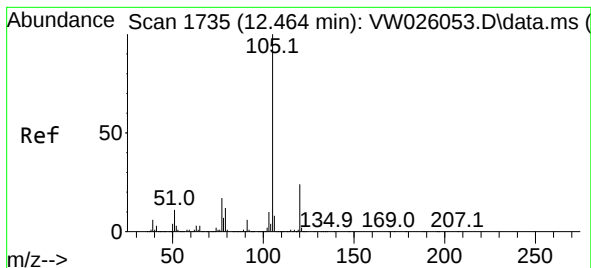
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 8.9 7.6 11.4





#60

Isopropylbenzene

Concen: 46.543 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. -0.006 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

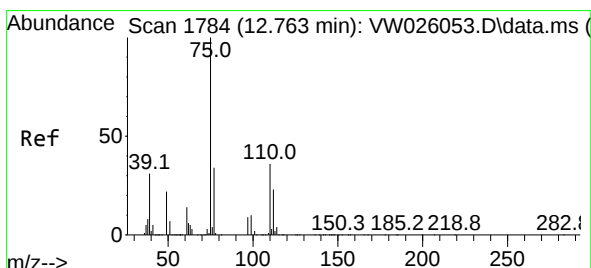
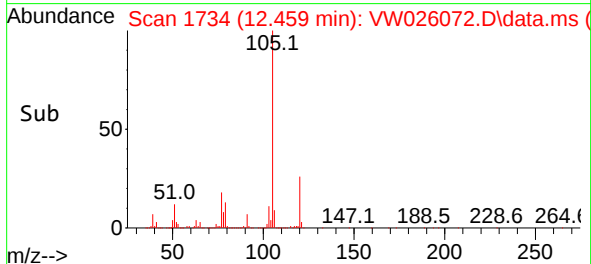
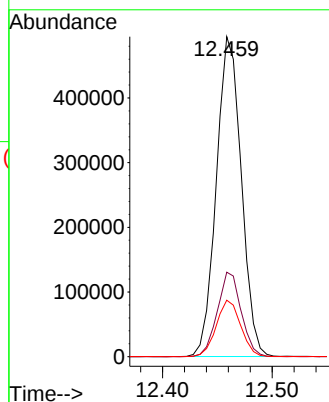
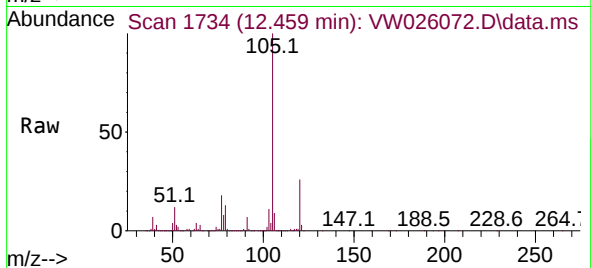
Tgt Ion:105 Resp: 783010

Ion Ratio Lower Upper

105 100

120 25.3 21.1 31.7

77 17.2 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 54.309 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

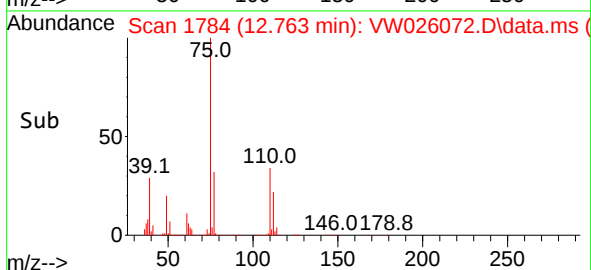
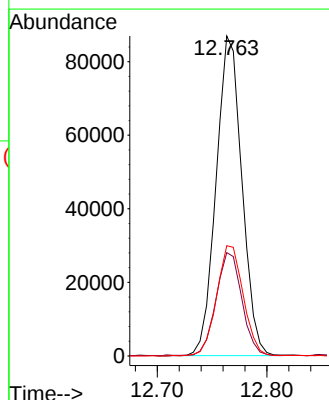
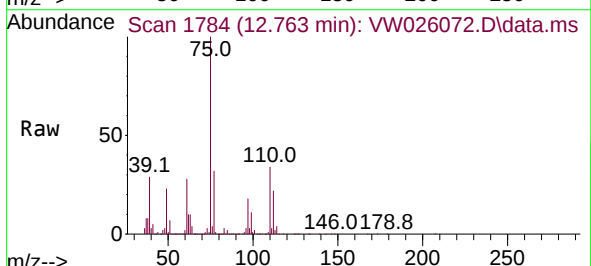
Tgt Ion: 75 Resp: 142054

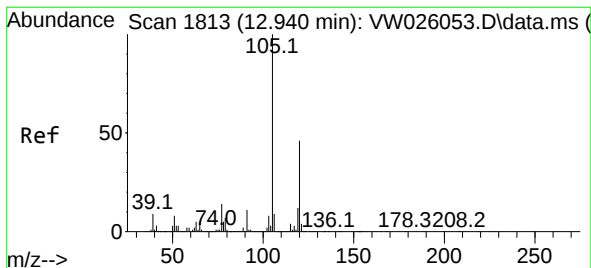
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

110 35.6 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 45.124 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

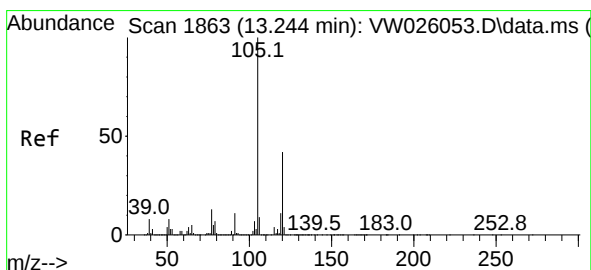
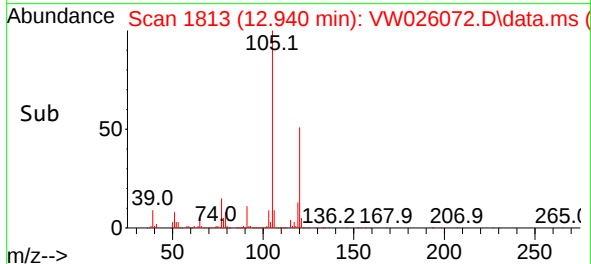
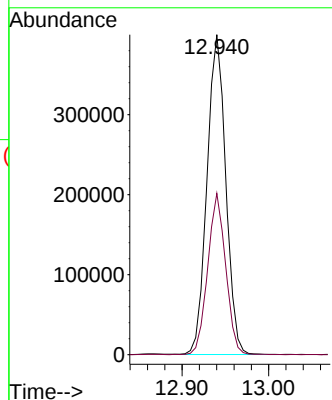
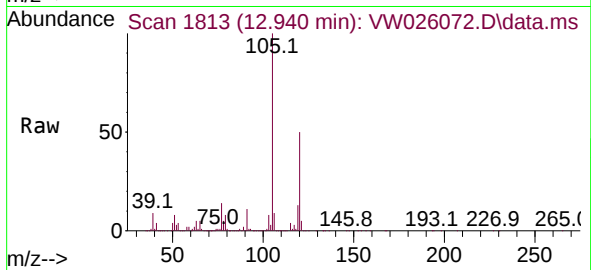
ClientSampleId :

Tgt Ion:105 Resp: 601267

Ion Ratio Lower Upper

105 100

120 48.2 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 40.484 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026072.D

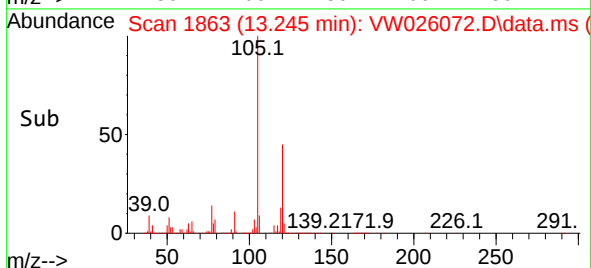
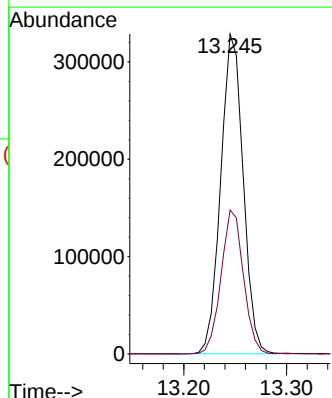
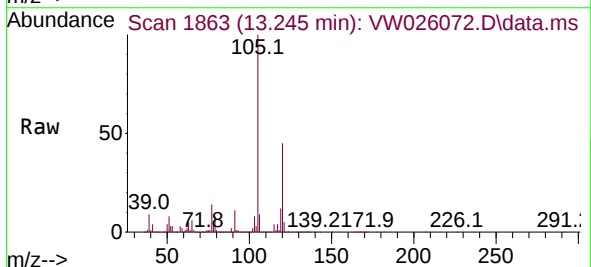
Acq: 26 May 2023 16:44

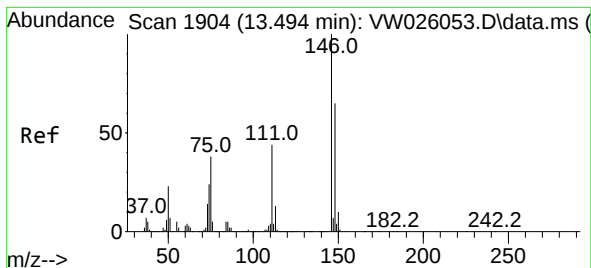
Tgt Ion:105 Resp: 497793

Ion Ratio Lower Upper

105 100

120 44.9 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 21.691 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

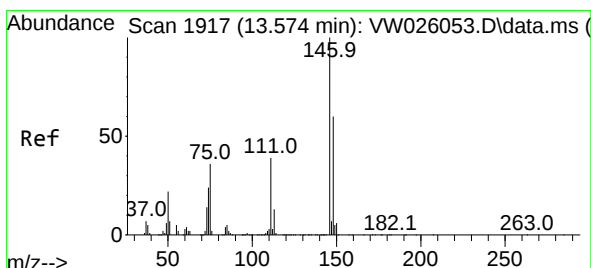
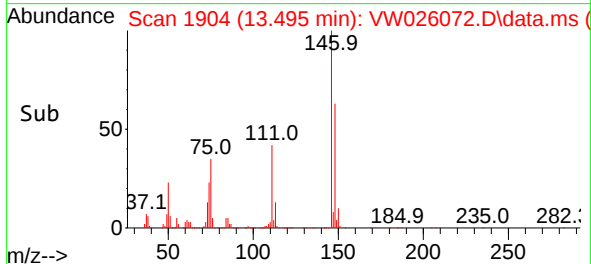
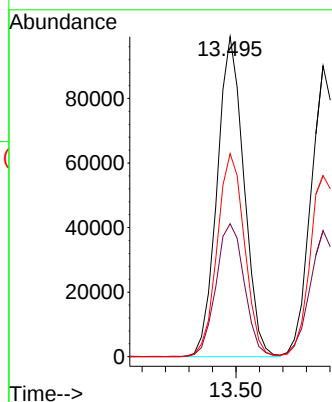
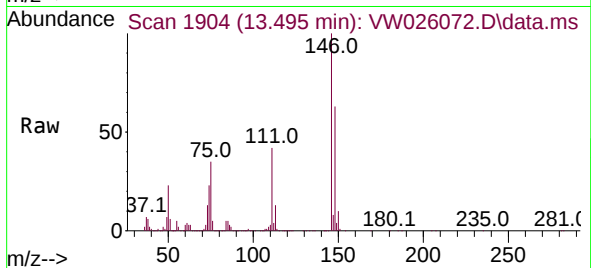
Tgt Ion:146 Resp: 157090

Ion Ratio Lower Upper

146 100

111 41.5 30.4 56.4

148 63.4 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 19.532 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

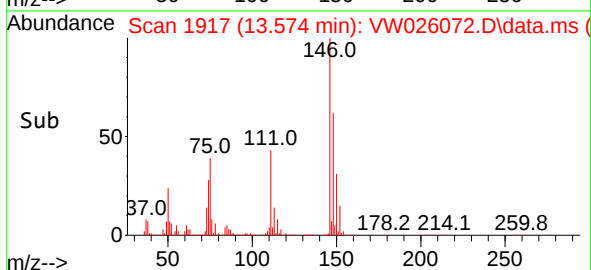
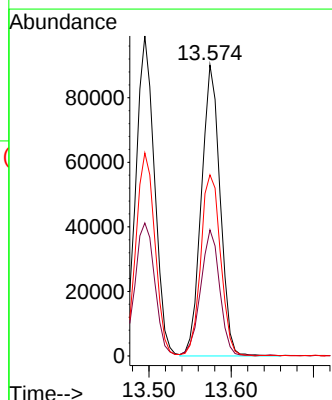
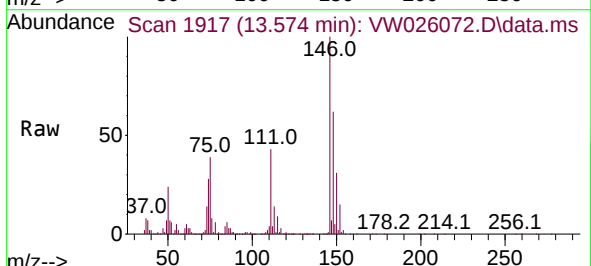
Tgt Ion:146 Resp: 142910

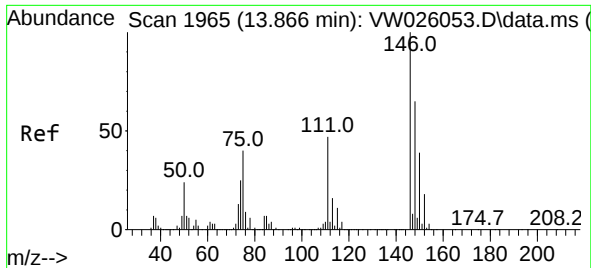
Ion Ratio Lower Upper

146 100

111 43.3 27.9 51.9

148 62.3 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 25.622 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

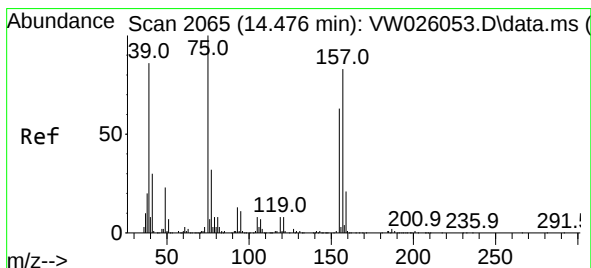
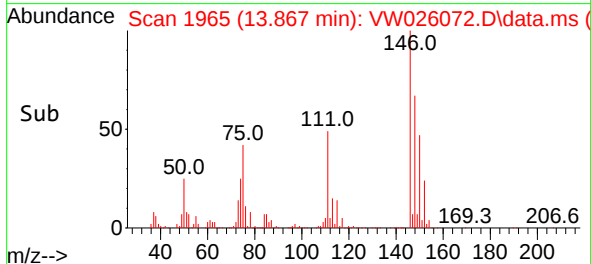
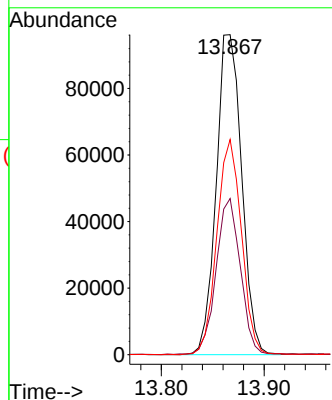
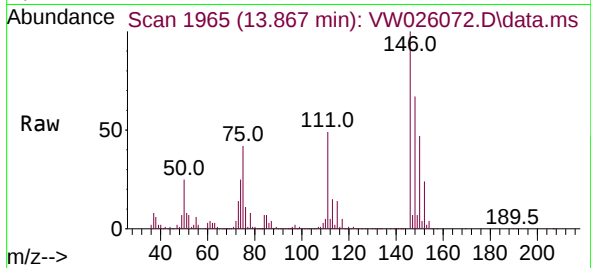
Tgt Ion:146 Resp: 165484

Ion Ratio Lower Upper

146 100

111 48.8 37.7 56.5

148 67.2 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 43.973 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

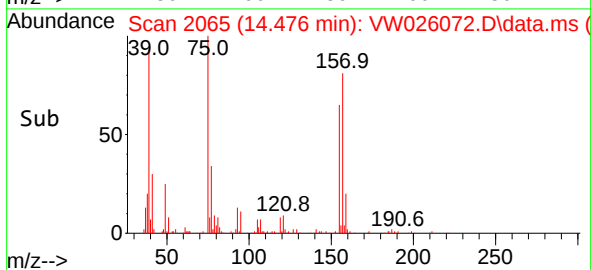
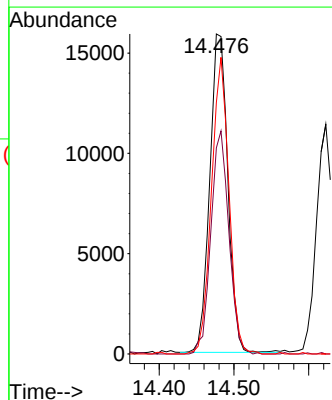
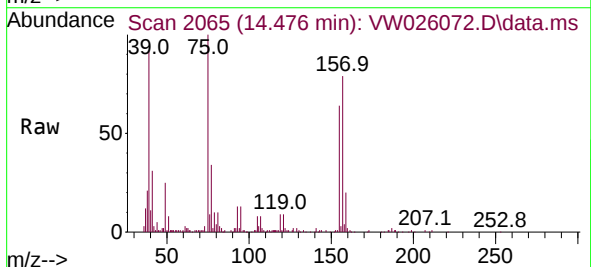
Tgt Ion: 75 Resp: 26671

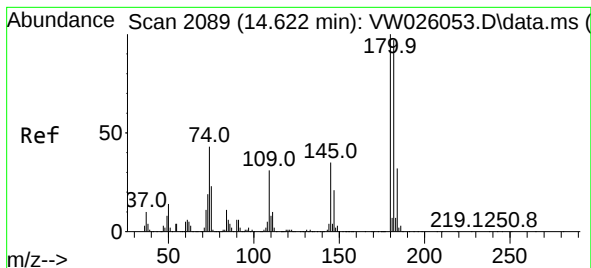
Ion Ratio Lower Upper

75 100

155 64.4 56.3 84.5

157 78.6 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 17.302 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion:180 Resp: 83174

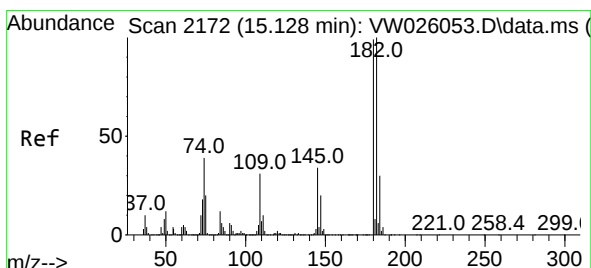
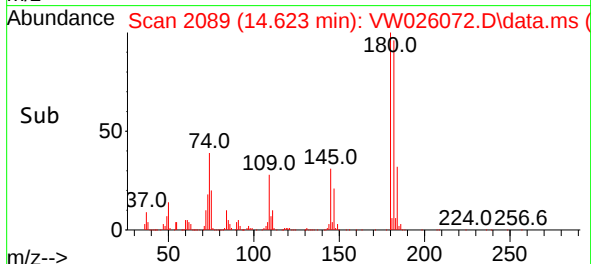
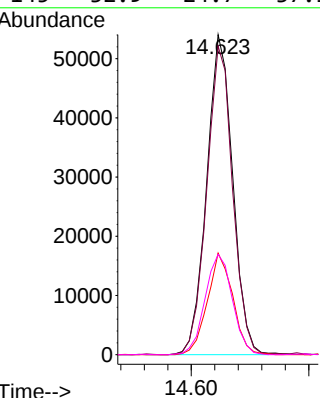
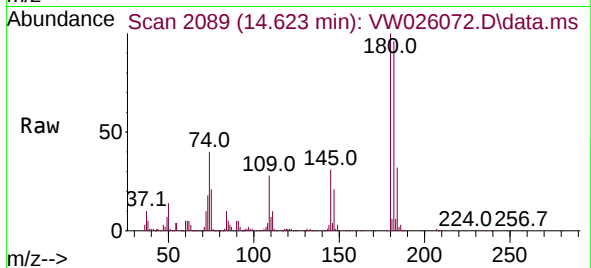
Ion Ratio Lower Upper

180 100

182 96.1 77.4 116.0

184 31.0 24.7 37.1

145 32.9 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 11.108 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

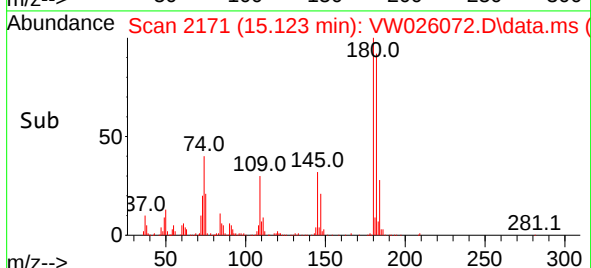
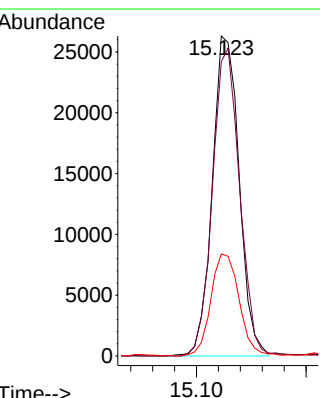
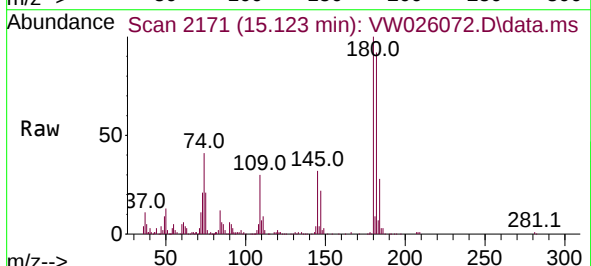
Tgt Ion:180 Resp: 44738

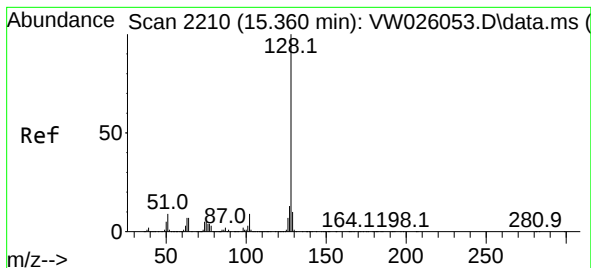
Ion Ratio Lower Upper

180 100

182 97.4 74.3 111.5

145 33.6 25.4 38.0





#71

Naphthalene

Concen: 20.167 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Instrument :

MSVOA_W

ClientSampleId :

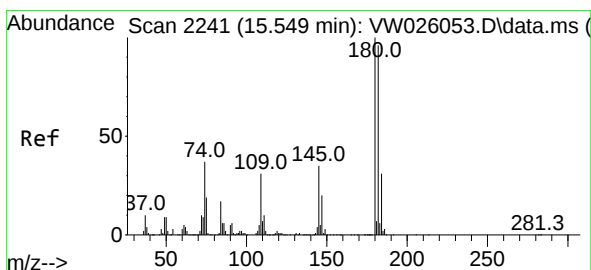
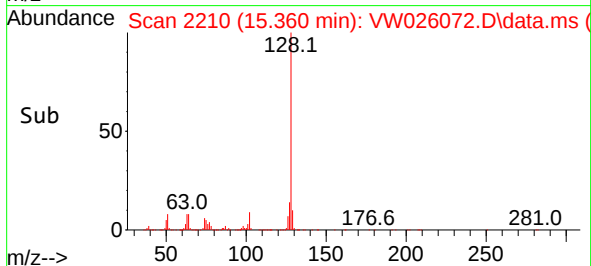
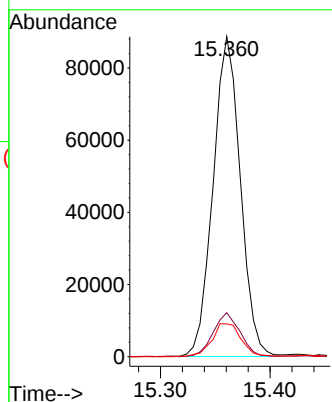
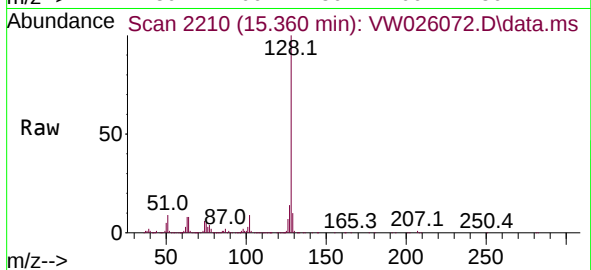
Tgt Ion:128 Resp: 153295

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 11.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 13.792 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026072.D

Acq: 26 May 2023 16:44

Tgt Ion:180 Resp: 49286

Ion Ratio Lower Upper

180 100

182 94.3 76.1 114.1

145 36.6 28.0 42.0

