

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081023\
 Data File : VW026694.D
 Acq On : 10 Aug 2023 22:08
 Operator : SY/MD
 Sample : 03970-03MSD
 Misc : 5.50g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A48H5MSD

Quant Time: Aug 11 02:05:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Aug 11 02:00:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	704412	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	646006	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	303204	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	286071	24.704	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.800%
7) Chloroethane-d5	2.893	69	215021	24.971	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.880%
11) 1,1-Dichloroethene-d2	4.021	65	136169	23.909	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.640%
21) 2-Butanone-d5	7.075	46	144938	43.548	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.100%
24) Chloroform-d	7.648	84	613999	25.971	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.880%
26) 1,2-Dichloroethane-d4	8.307	65	351635	26.952	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.800%
32) Benzene-d6	8.276	84	1238489	27.817	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.280%
36) 1,2-Dichloropropane-d6	9.270	67	389430	28.081	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.320%
41) Toluene-d8	10.325	98	1063533	27.828	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.320%
43) trans-1,3-Dichloroprop...	10.575	79	147227	25.712	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.840%
47) 2-Hexanone-d5	10.922	63	72857	49.997	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.000%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	308261	28.146	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.600%
66) 1,2-Dichlorobenzene-d4	13.849	152	278787	25.689	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	195665	20.430	ug/L #	81
3) Chloromethane	2.223	50	298254	22.774	ug/L	98
5) Vinyl chloride	2.375	62	291801	23.308	ug/L	100
6) Bromomethane	2.783	94	133685	18.328	ug/L	98
8) Chloroethane	2.930	64	167098	22.275	ug/L	96
9) Trichlorofluoromethane	3.265	101	231257	22.508	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	238609	21.500	ug/L #	69
12) 1,1-Dichloroethene	4.045	96	235276	22.597	ug/L	86
13) Acetone	4.119	43	114628	34.639	ug/L	99
14) Carbon disulfide	4.393	76	758269	20.244	ug/L	99
15) Methyl Acetate	4.667	43	128615	19.402	ug/L	98
16) Methylene chloride	4.923	84	262207	19.243	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	258708	22.267	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	444307	25.274	ug/L	99
19) 1,1-Dichloroethane	6.216	63	552696	23.113	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	285853	22.890	ug/L	99
22) 2-Butanone	7.167	43	204514	41.936	ug/L	98
23) Bromochloromethane	7.508	128	125759	23.312	ug/L	96
25) Chloroform	7.679	83	521511	22.575	ug/L	96

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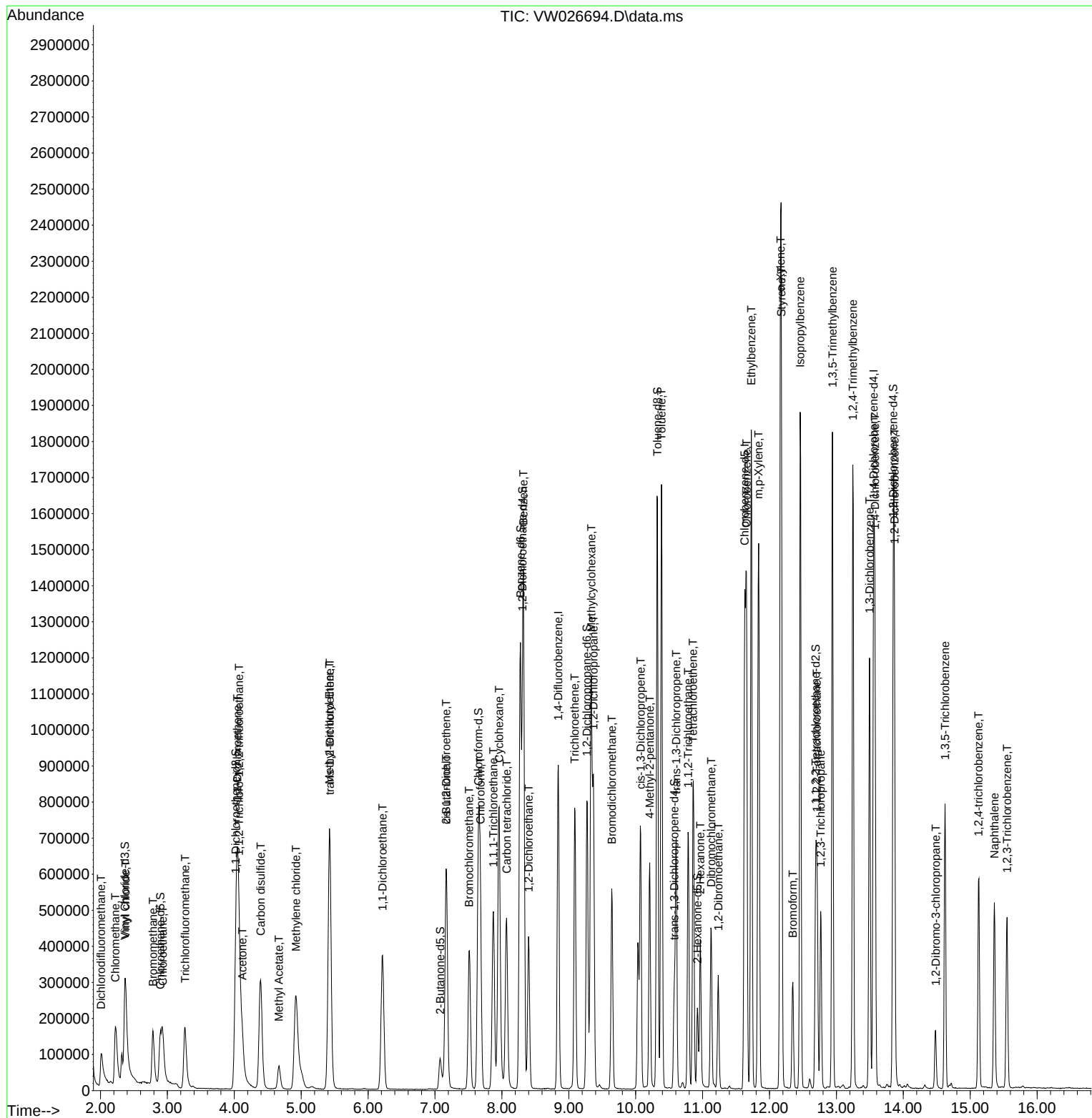
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	376621	23.369	ug/L	100
29) Cyclohexane	7.959	56	473290	23.691	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	405152	24.031	ug/L	99
31) Carbon tetrachloride	8.069	117	363329	23.569	ug/L	96
33) Benzene	8.319	78	1156663	24.587	ug/L	100
34) Trichloroethene	9.087	95	281164	23.466	ug/L	96
35) Methylcyclohexane	9.337	83	432797	21.115	ug/L	100
37) 1,2-Dichloropropane	9.368	63	316773	24.583	ug/L	100
38) Bromodichloromethane	9.642	83	368866	24.402	ug/L	97
39) cis-1,3-Dichloropropene	10.075	75	423484	22.845	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	427265	50.975	ug/L	99
42) Toluene	10.386	91	1154761	24.265	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	369033	23.129	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	219580	24.916	ug/L	97
46) Tetrachloroethene	10.855	164	188649	21.672	ug/L	97
48) 2-Hexanone	10.965	43	273310	47.921	ug/L	98
49) Dibromochloromethane	11.130	129	226248	24.546	ug/L	87
50) 1,2-Dibromoethane	11.233	107	202259	24.460	ug/L	95
51) Chlorobenzene	11.654	112	676337	22.499	ug/L	93
52) Ethylbenzene	11.727	91	1241469	23.263	ug/L	96
53) m,p-Xylene	11.837	106	463671	23.453	ug/L	93
54) o-Xylene	12.166	106	445261	24.131	ug/L	99
55) Styrene	12.178	104	679944	21.193	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.709	83	267790	23.994	ug/L	97
59) Bromoform	12.349	173	133575	28.123	ug/L	97
60) Isopropylbenzene	12.459	105	1153786	25.595	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	203353	27.649	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	912106	25.599	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	915917	26.232	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	445129	22.705	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	455949	22.285	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	408036	22.888	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.483	75	44343	25.009	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	233073	17.597	ug/L	95
70) 1,2,4-trichlorobenzene	15.123	180	174012	15.495	ug/L	96
71) Naphthalene	15.361	128	419830	19.599	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	146756	14.489	ug/L	97

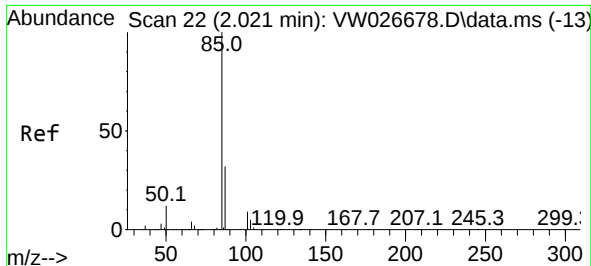
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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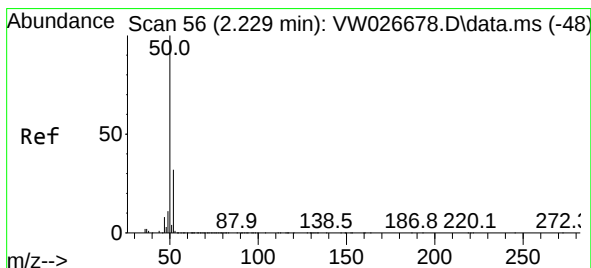
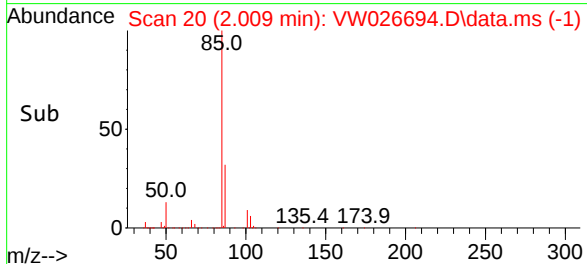
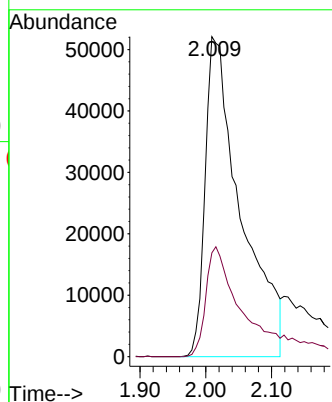
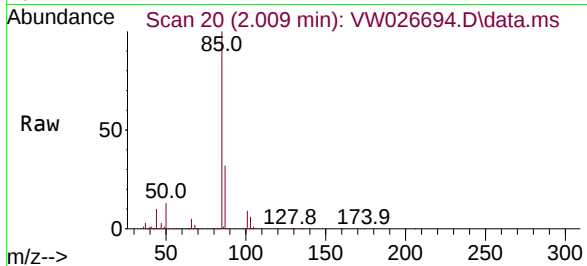




#2
 Dichlorodifluoromethane
 Concen: 20.430 ug/L
 RT: 2.009 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VW026694.D
 Acq: 10 Aug 2023 22:08

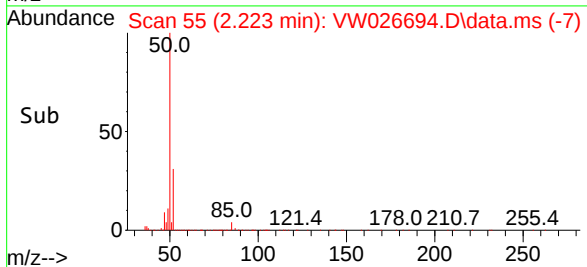
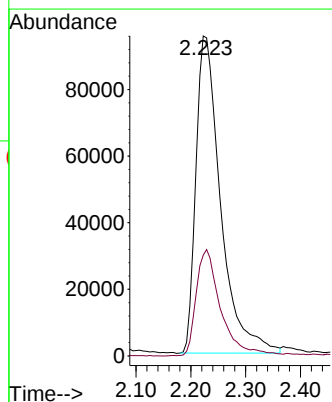
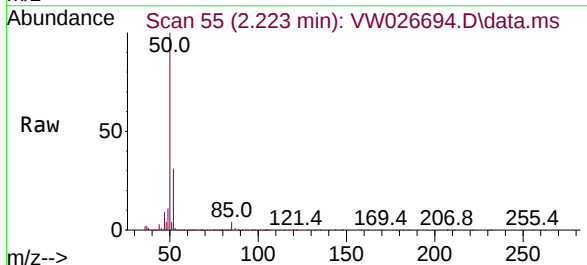
Instrument :
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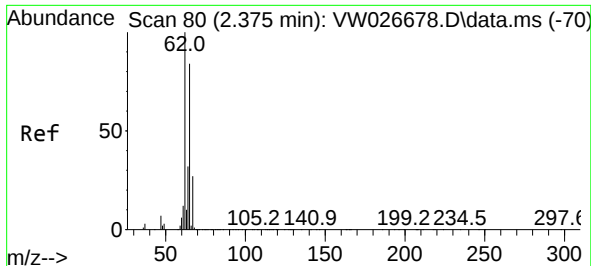
Tgt Ion: 85 Resp: 195665
 Ion Ratio Lower Upper
 85 100
 87 34.1 19.5 29.3#



#3
 Chloromethane
 Concen: 22.774 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.006 min
 Lab File: VW026694.D
 Acq: 10 Aug 2023 22:08

Tgt Ion: 50 Resp: 298254
 Ion Ratio Lower Upper
 50 100
 52 31.5 23.0 42.8

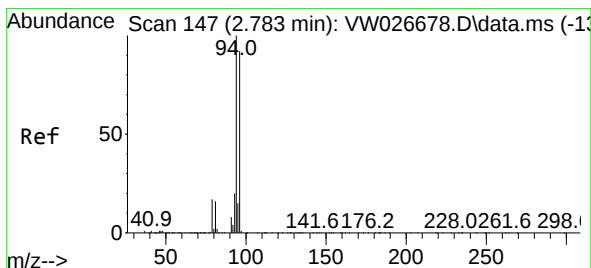
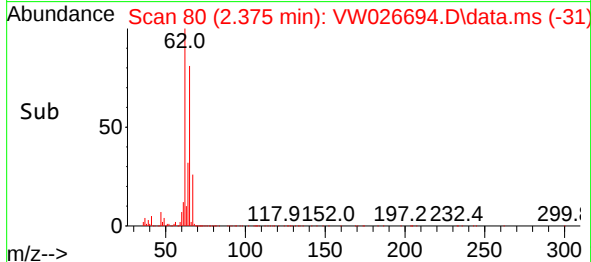
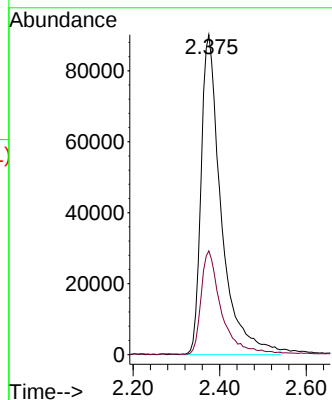
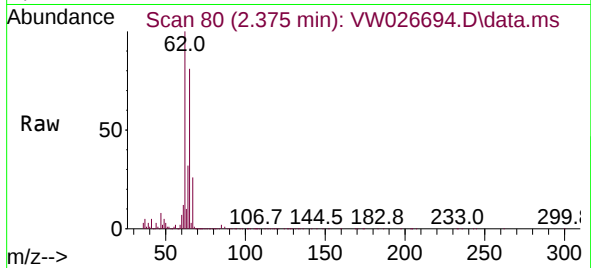




#5
 Vinyl chloride
 Concen: 23.308 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026694.D
 Acq: 10 Aug 2023 22:08

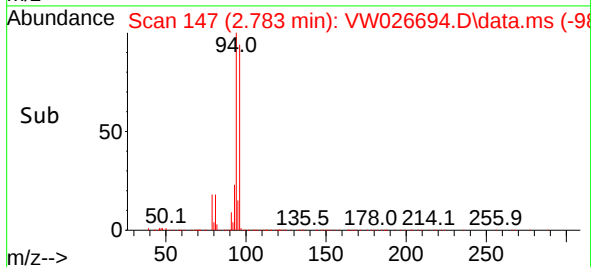
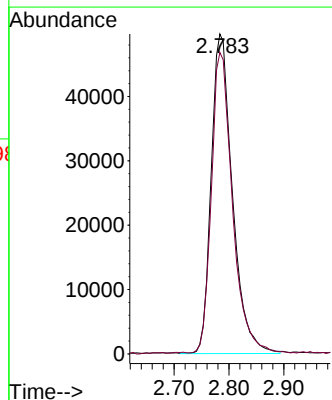
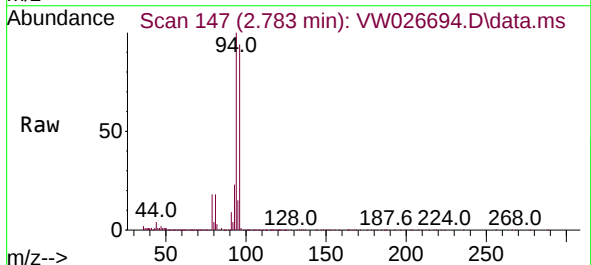
Instrument :
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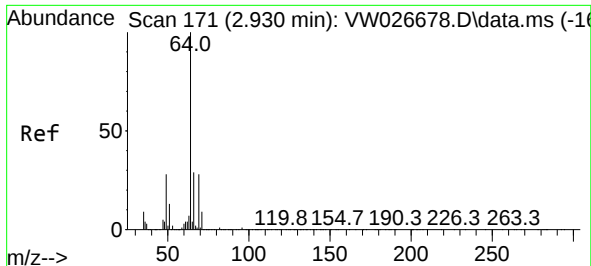
Tgt Ion: 62 Resp: 291801
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.7 42.3



#6
 Bromomethane
 Concen: 18.328 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW026694.D
 Acq: 10 Aug 2023 22:08

Tgt Ion: 94 Resp: 133685
 Ion Ratio Lower Upper
 94 100
 96 94.2 64.8 120.3

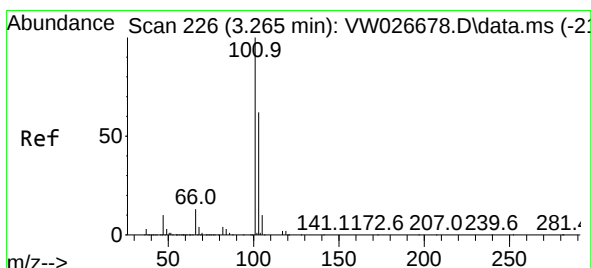
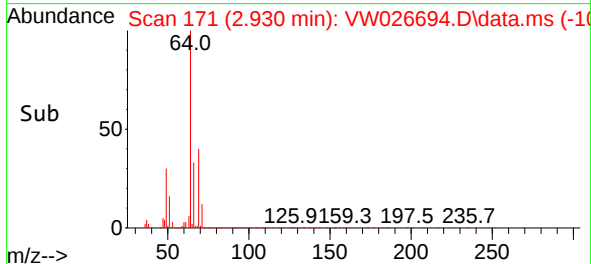
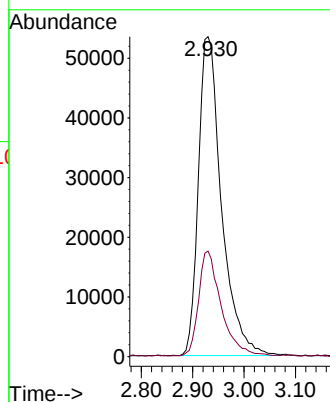
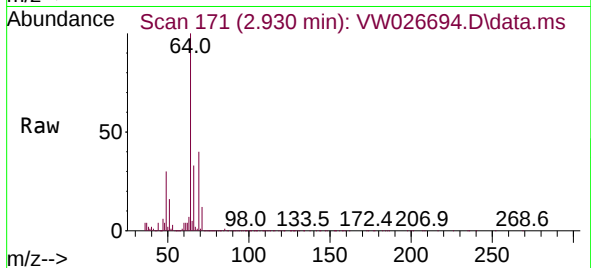




#8
Chloroethane
Concen: 22.275 ug/L
RT: 2.930 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

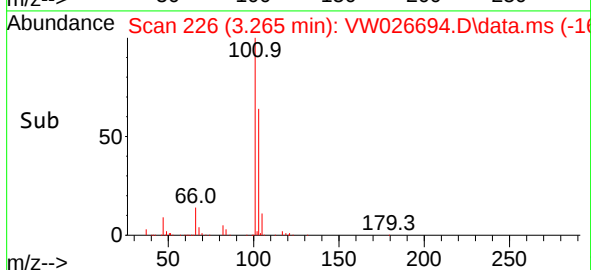
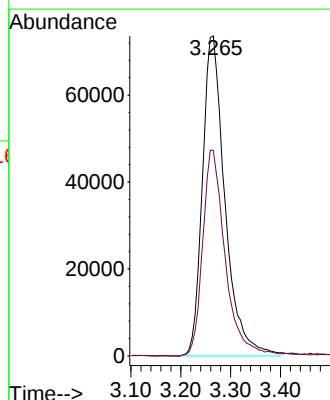
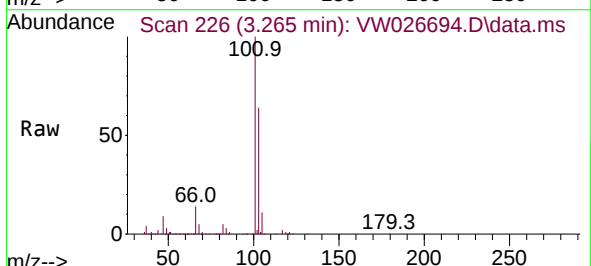
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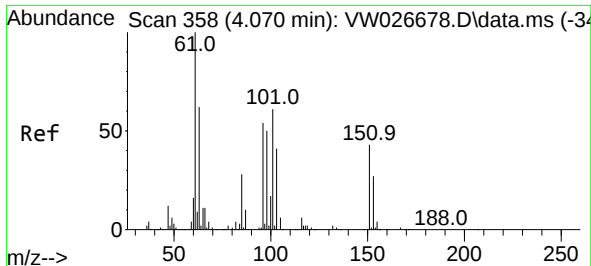
Tgt Ion: 64 Resp: 167098
Ion Ratio Lower Upper
64 100
66 33.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 22.508 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 101 Resp: 231257
Ion Ratio Lower Upper
101 100
103 63.6 51.9 77.9

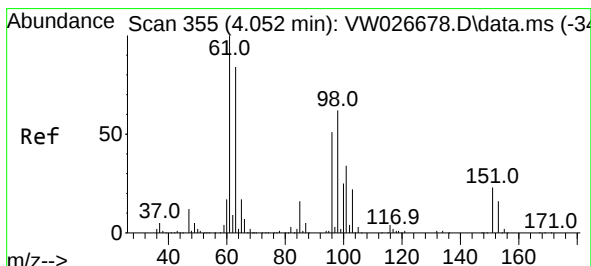
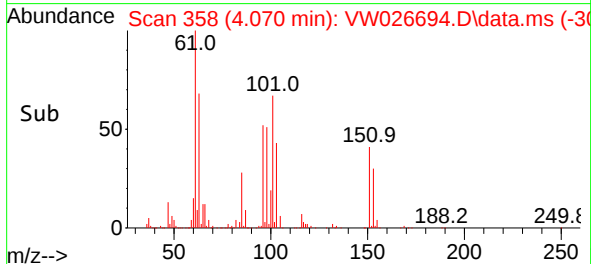
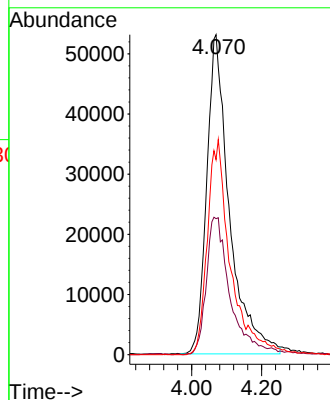
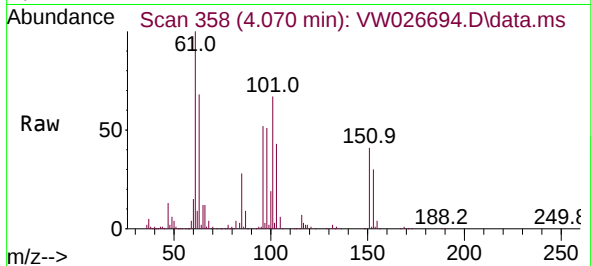




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 21.500 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW026694.D
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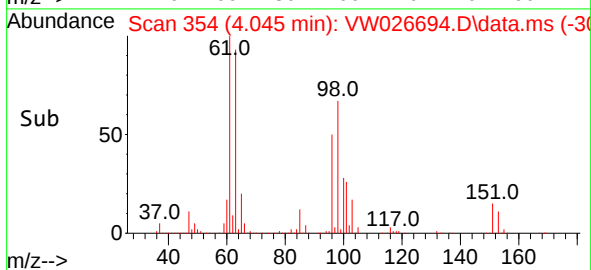
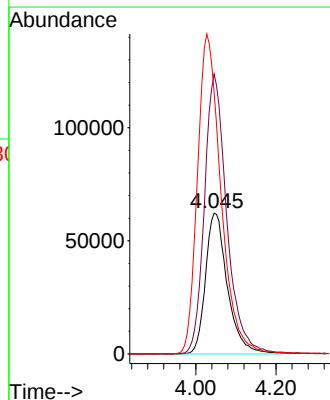
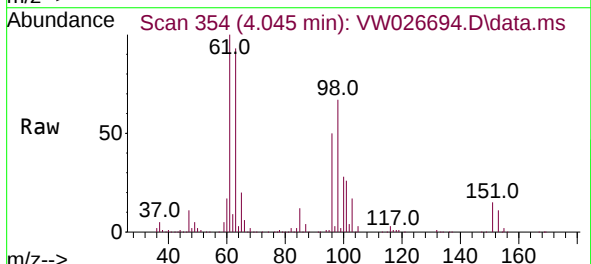
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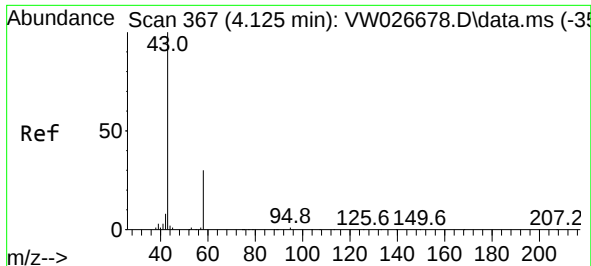
Tgt Ion:101 Resp: 238609
 Ion Ratio Lower Upper
 101 100
 85 40.6 32.8 49.2
 151 27.9 54.4 81.6#



#12
 1,1-Dichloroethene
 Concen: 22.597 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.006 min
 Lab File: VW026694.D
 Acq: 10 Aug 2023 22:08

Tgt Ion: 96 Resp: 235276
 Ion Ratio Lower Upper
 96 100
 61 198.9 133.2 247.4
 63 185.9 109.0 202.4

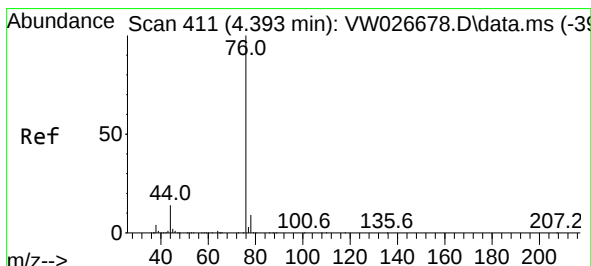
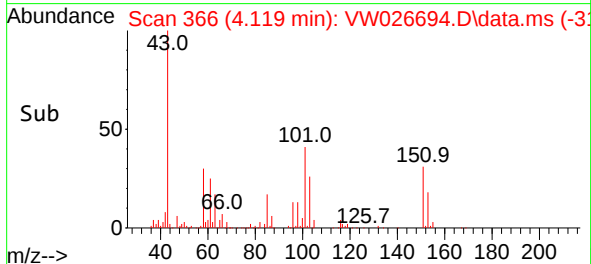
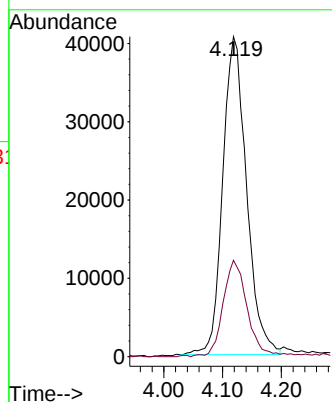
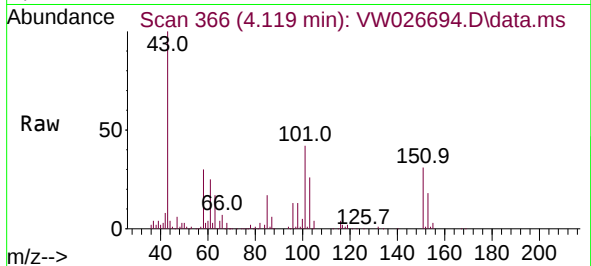




#13
Acetone
Concen: 34.639 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.006 min
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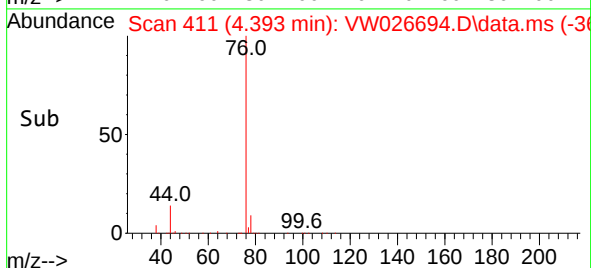
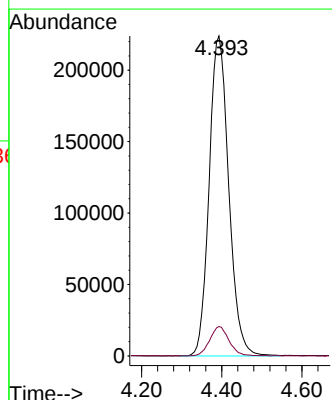
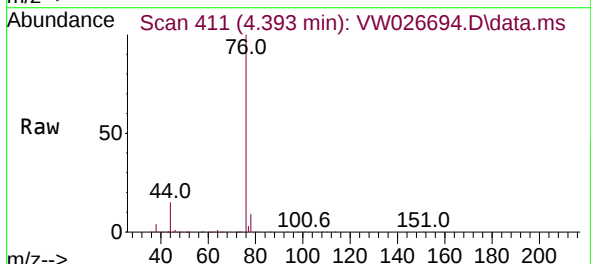
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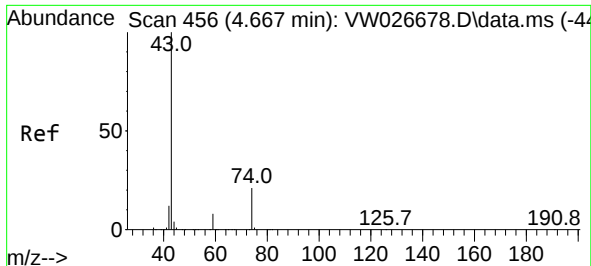
Tgt Ion: 43 Resp: 114628
Ion Ratio Lower Upper
43 100
58 29.1 0.0 57.4



#14
Carbon disulfide
Concen: 20.244 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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Tgt Ion: 76 Resp: 758269
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

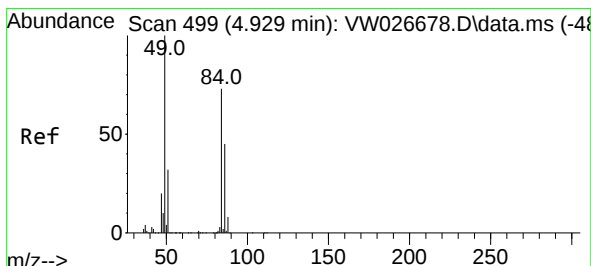
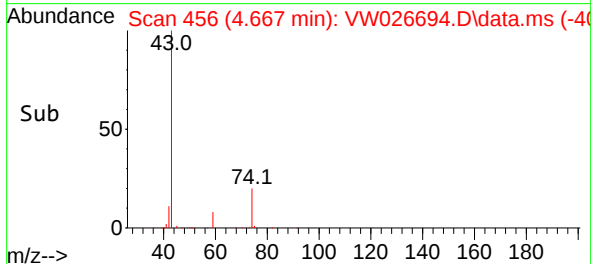
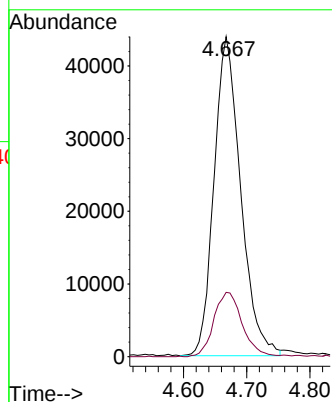
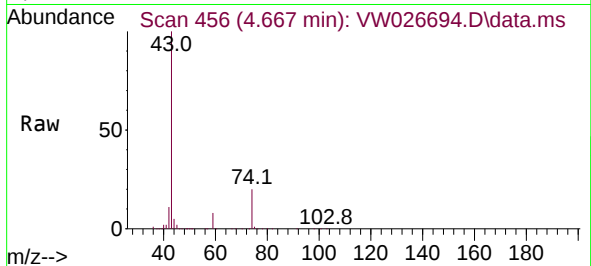




#15
Methyl Acetate
Concen: 19.402 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

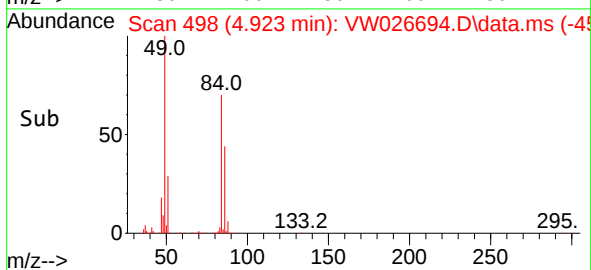
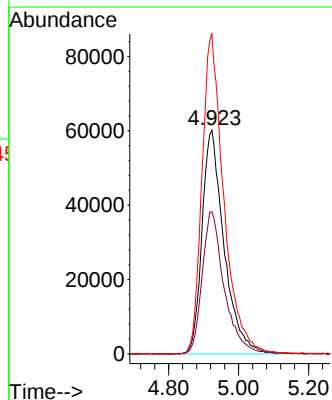
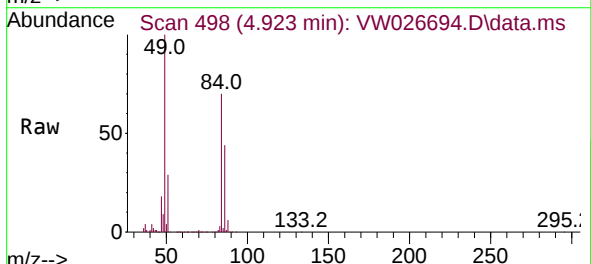
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

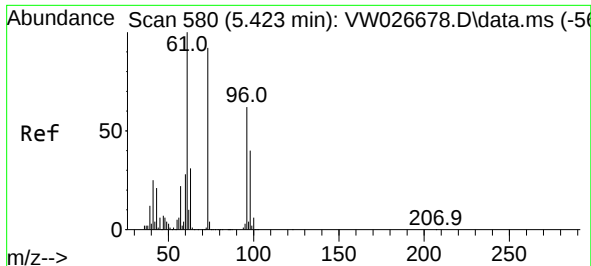
Tgt Ion: 43 Resp: 128615
Ion Ratio Lower Upper
43 100
74 21.3 16.4 24.6



#16
Methylene chloride
Concen: 19.243 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.006 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 84 Resp: 262207
Ion Ratio Lower Upper
84 100
86 63.6 43.5 80.9
49 143.1 96.0 178.2

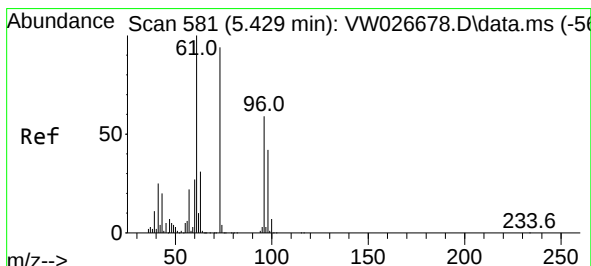
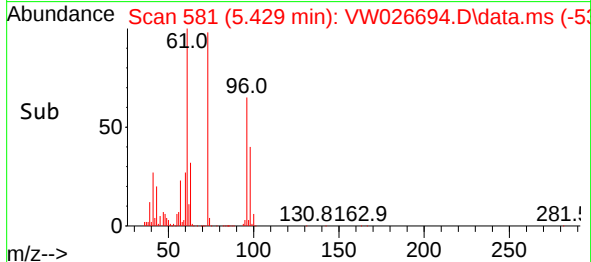
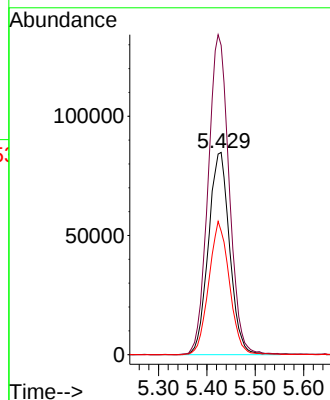
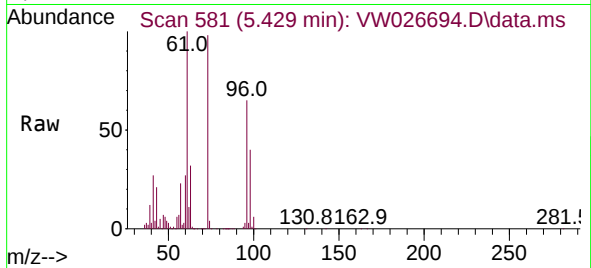




#17
trans-1,2-Dichloroethene
Concen: 22.267 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

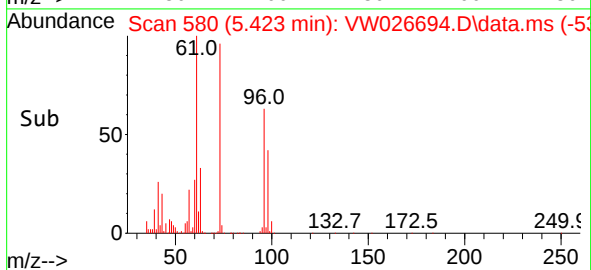
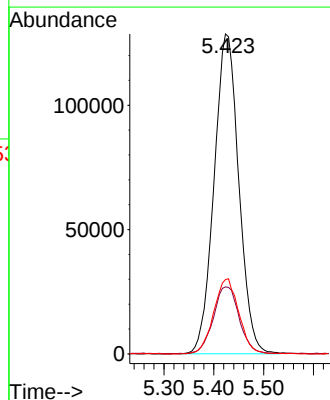
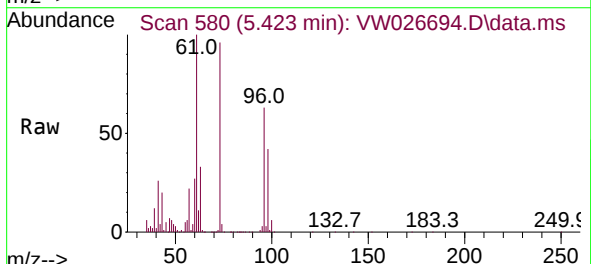
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

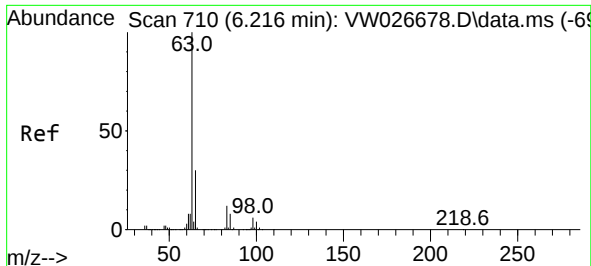
Tgt Ion: 96 Resp: 258708
Ion Ratio Lower Upper
96 100
61 152.9 109.4 203.2
98 61.1 43.6 81.0



#18
Methyl tert-butyl Ether
Concen: 25.274 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 73 Resp: 444307
Ion Ratio Lower Upper
73 100
43 21.7 18.0 27.0
57 23.8 19.3 28.9





#19

1,1-Dichloroethane

Concen: 23.113 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

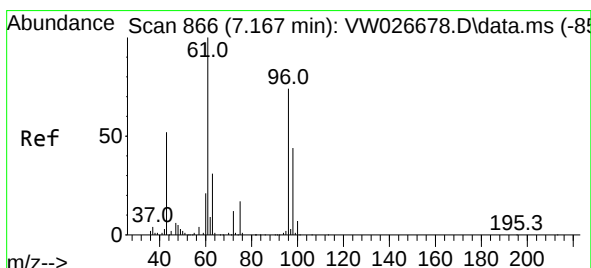
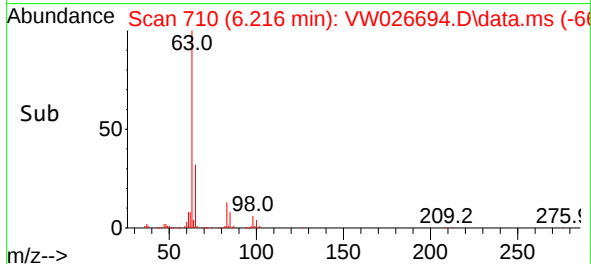
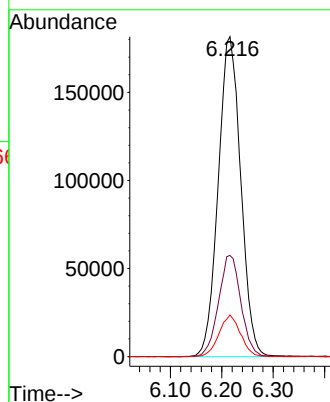
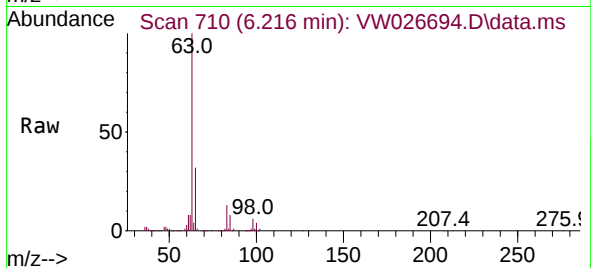
Tgt Ion: 63 Resp: 552696

Ion Ratio Lower Upper

63 100

65 31.6 21.8 40.6

83 13.0 9.0 16.6



#20

cis-1,2-Dichloroethene

Concen: 22.890 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

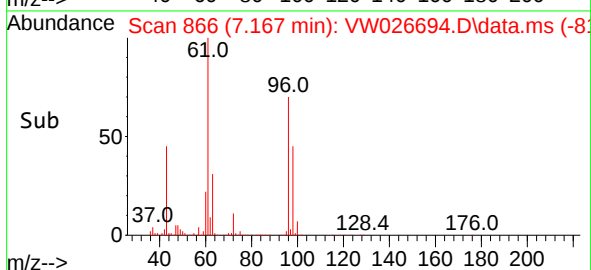
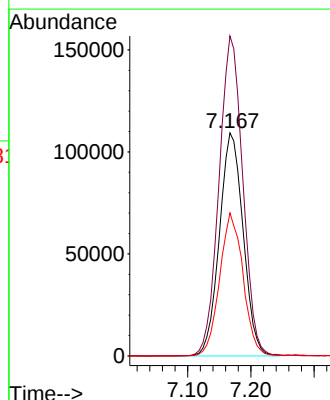
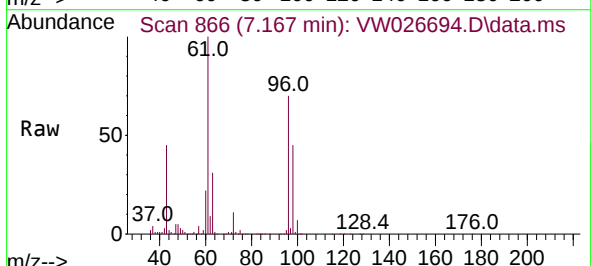
Tgt Ion: 96 Resp: 285853

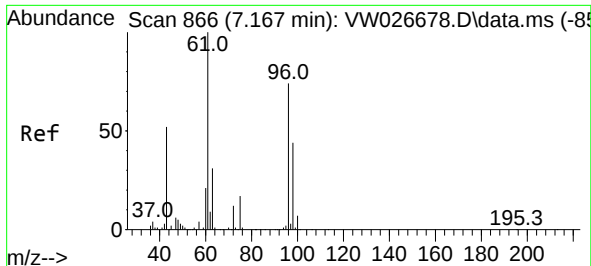
Ion Ratio Lower Upper

96 100

61 143.5 101.2 188.0

98 64.1 43.8 81.3

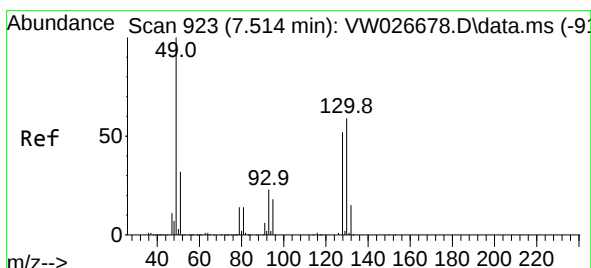
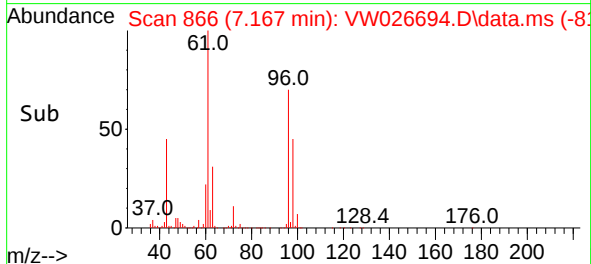
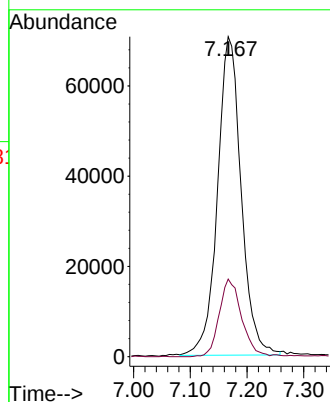
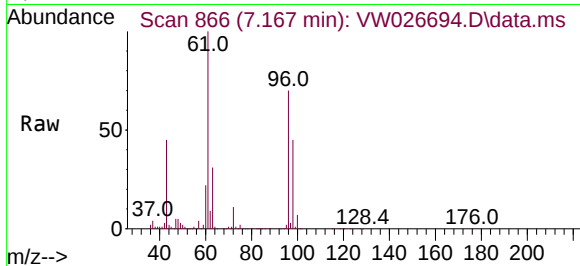




#22
2-Butanone
Concen: 41.936 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

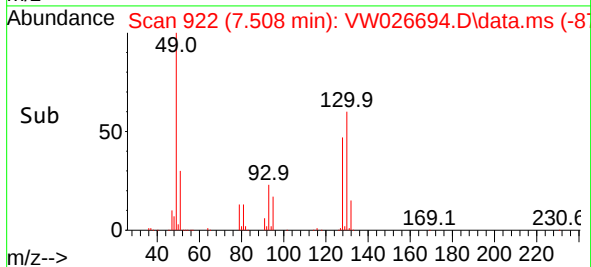
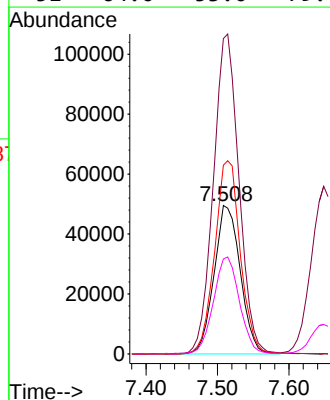
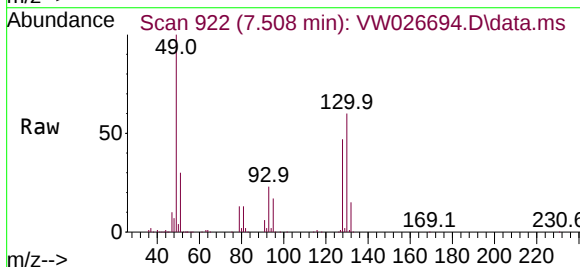
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

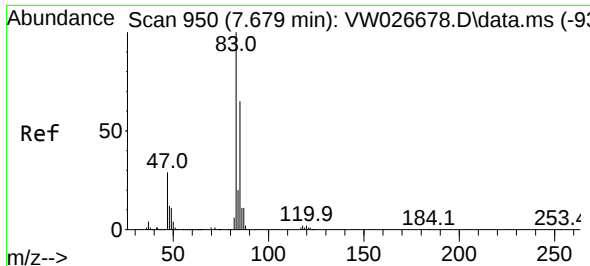
Tgt Ion: 43 Resp: 204514
Ion Ratio Lower Upper
43 100
72 22.9 11.8 35.4



#23
Bromochloromethane
Concen: 23.312 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.006 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 128 Resp: 125759
Ion Ratio Lower Upper
128 100
49 212.5 143.1 265.7
130 127.2 91.8 170.4
51 64.0 53.0 79.4

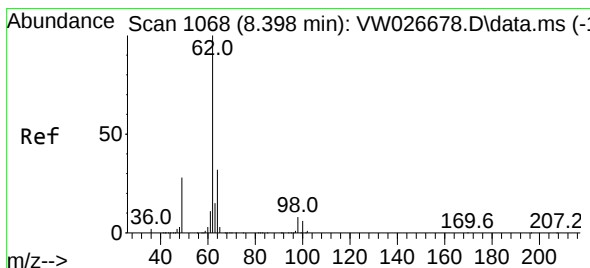
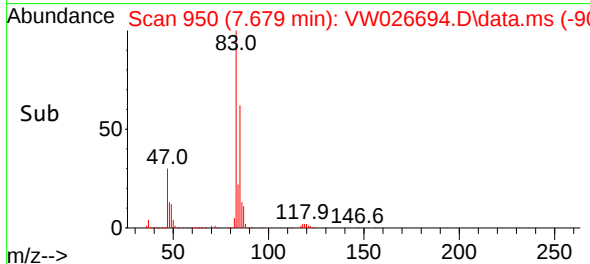
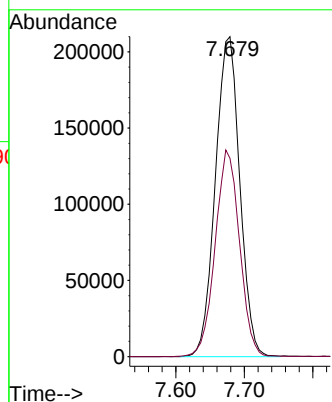
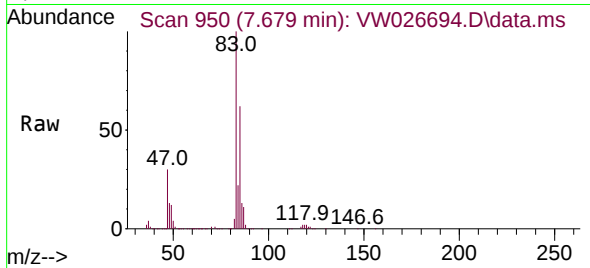




#25
Chloroform
Concen: 22.575 ug/L
RT: 7.679 min Scan# 950
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

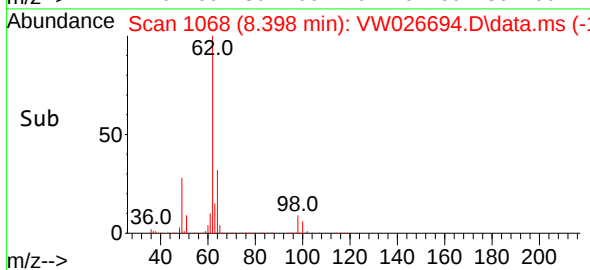
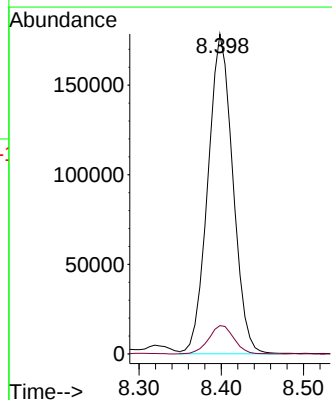
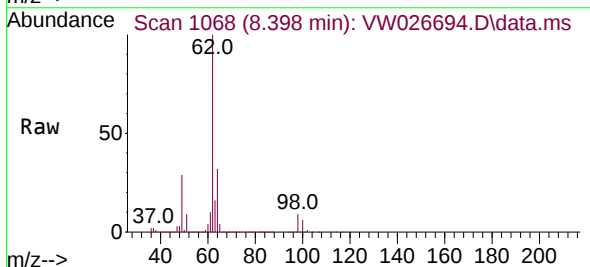
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

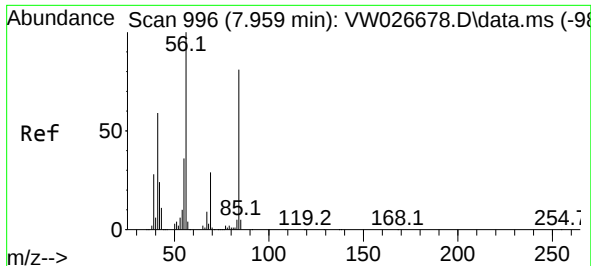
Tgt Ion: 83 Resp: 521511
Ion Ratio Lower Upper
83 100
85 62.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 23.369 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 62 Resp: 376621
Ion Ratio Lower Upper
62 100
98 8.8 7.1 10.7





#29

Cyclohexane

Concen: 23.691 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

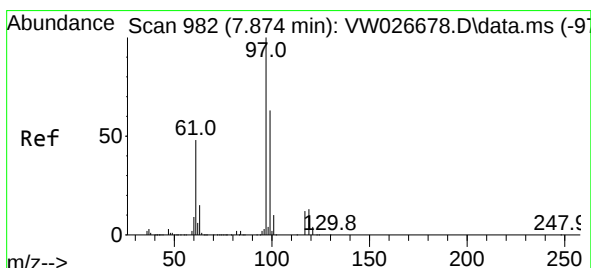
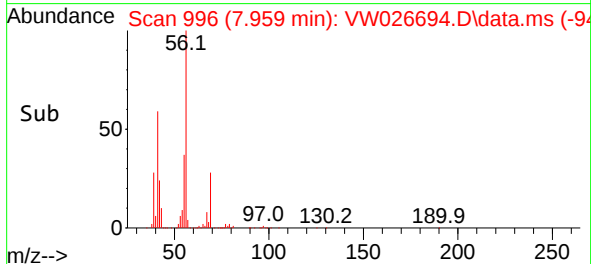
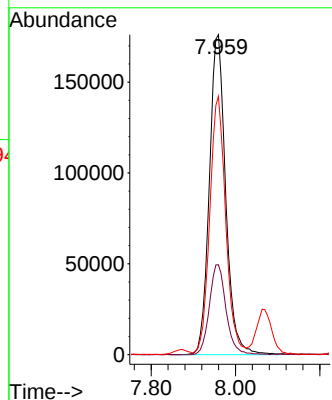
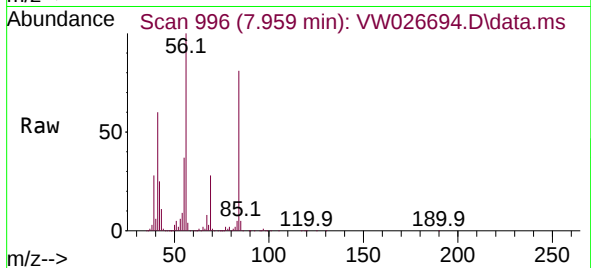
Tgt Ion: 56 Resp: 473290

Ion Ratio Lower Upper

56 100

69 28.7 23.2 34.8

84 78.9 62.7 94.1



#30

1,1,1-Trichloroethane

Concen: 24.031 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

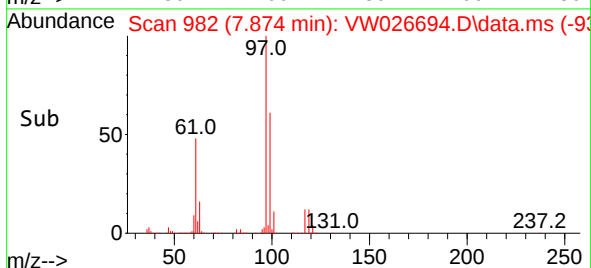
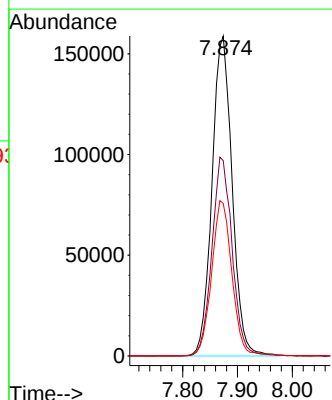
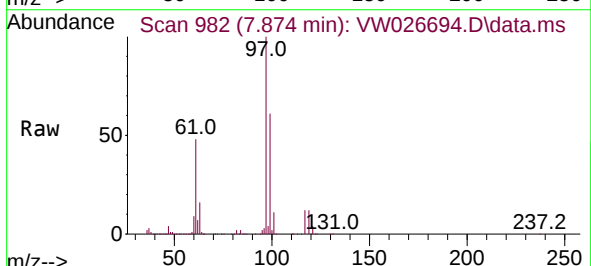
Tgt Ion: 97 Resp: 405152

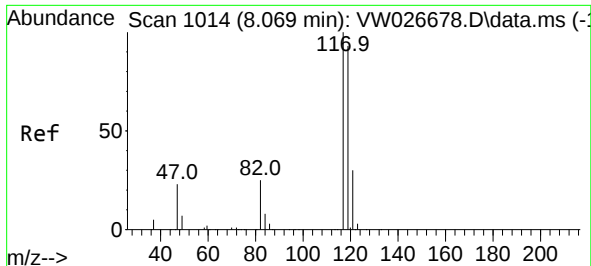
Ion Ratio Lower Upper

97 100

99 62.4 51.2 76.8

61 48.6 39.2 58.8

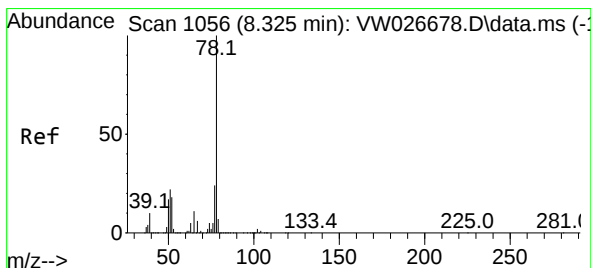
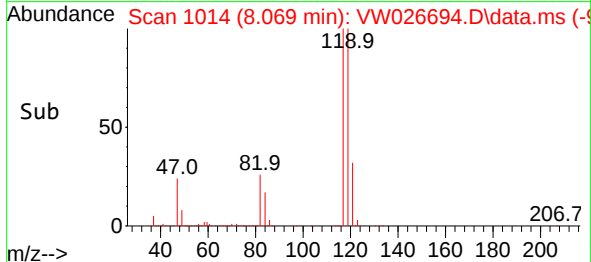
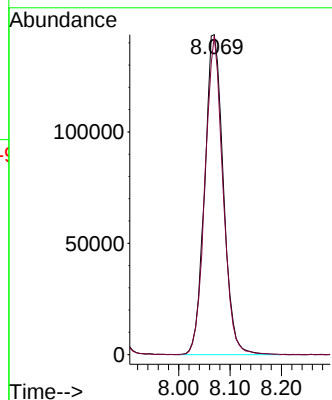
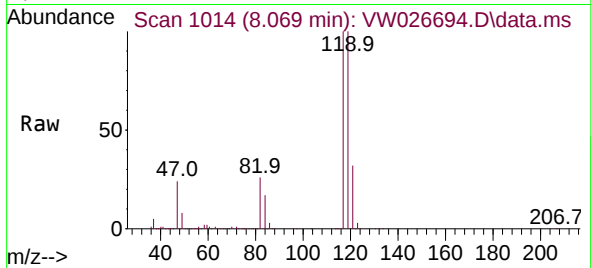




#31
Carbon tetrachloride
Concen: 23.569 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

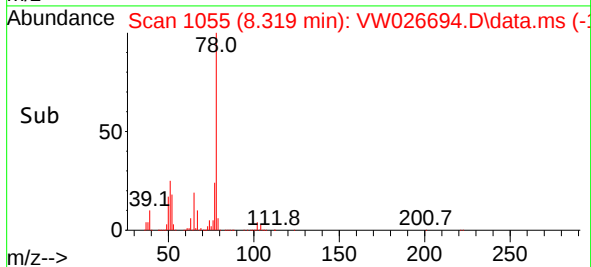
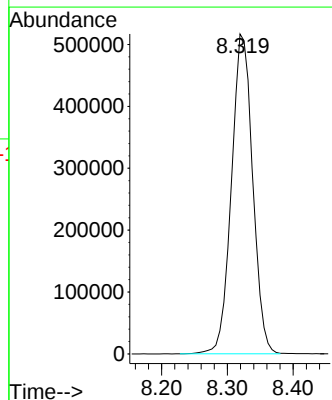
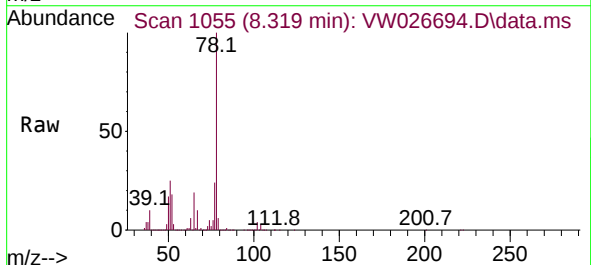
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

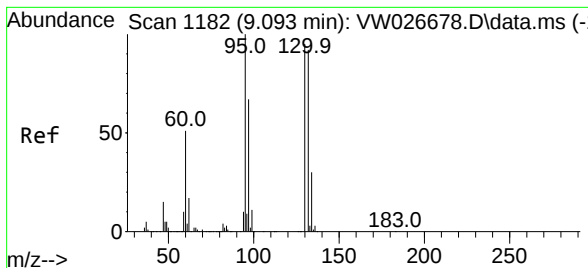
Tgt Ion:117 Resp: 363329
Ion Ratio Lower Upper
117 100
119 95.4 73.0 109.4



#33
Benzene
Concen: 24.587 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 78 Resp: 1156663





#34

Trichloroethene

Concen: 23.466 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

Tgt Ion: 95 Resp: 281164

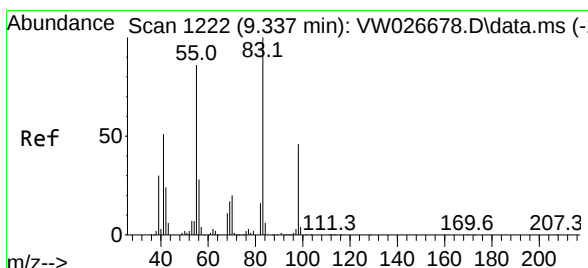
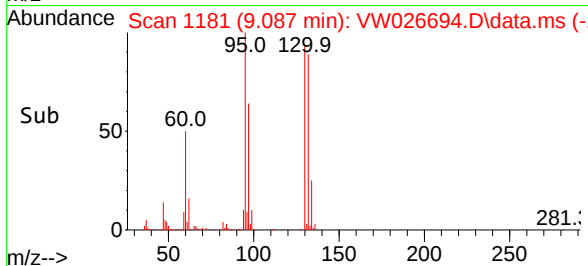
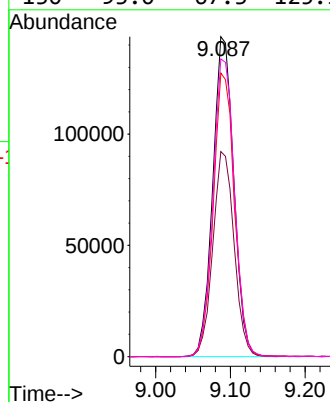
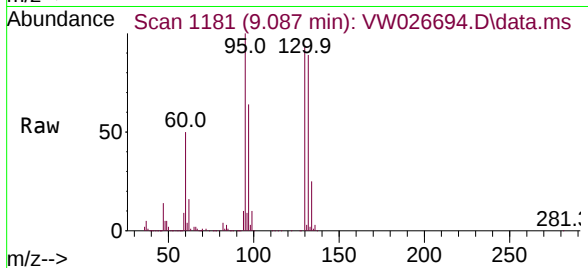
Ion Ratio Lower Upper

95 100

97 64.1 44.6 82.8

132 88.6 66.4 123.2

130 93.0 67.3 125.1



#35

Methylcyclohexane

Concen: 21.115 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

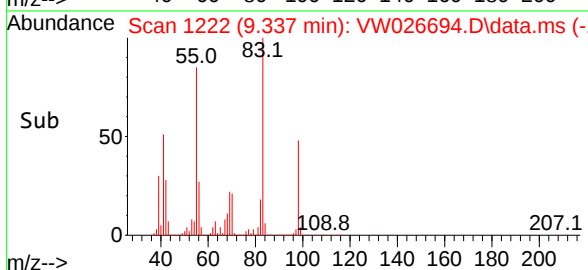
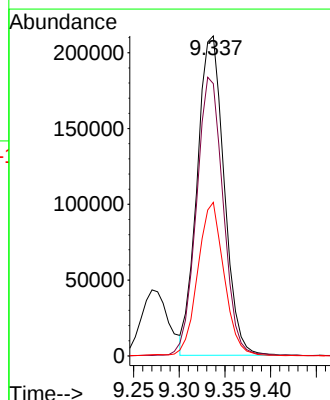
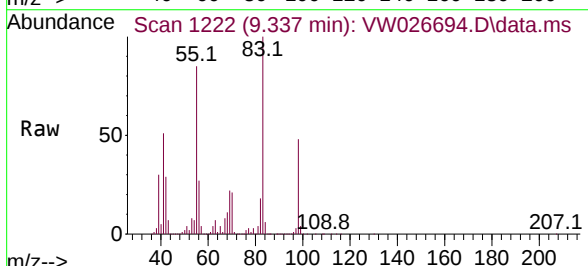
Tgt Ion: 83 Resp: 432797

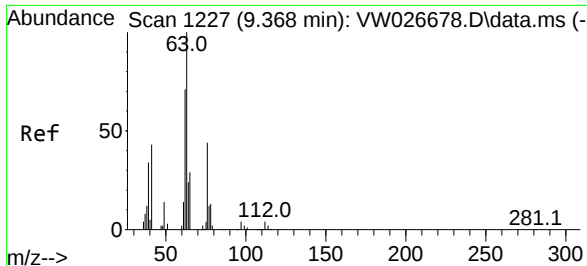
Ion Ratio Lower Upper

83 100

55 86.6 69.3 103.9

98 46.9 37.4 56.0





#37

1,2-Dichloropropane

Concen: 24.583 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

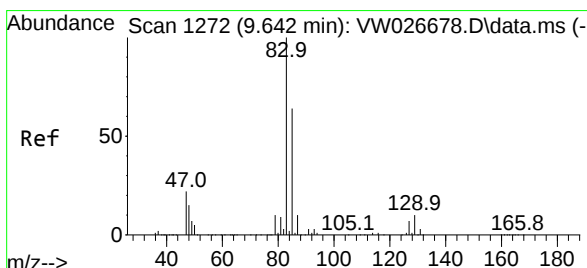
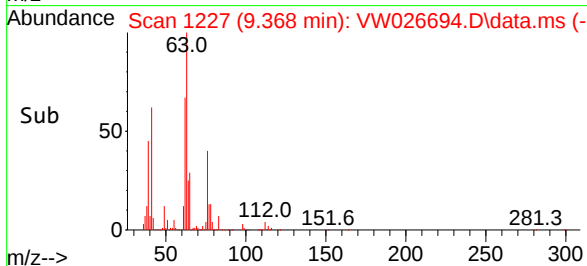
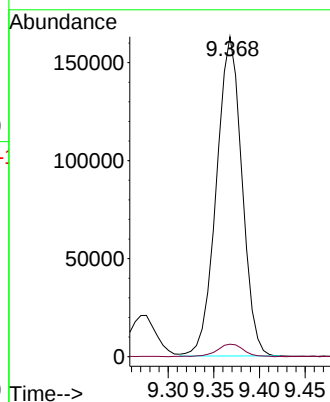
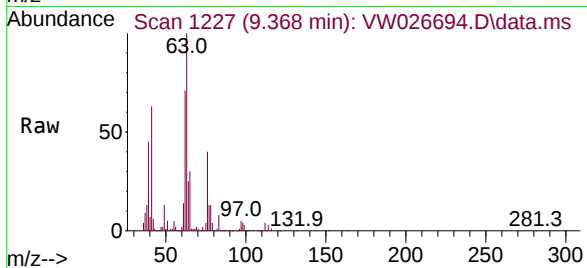
A48H5MSD

Tgt Ion: 63 Resp: 316773

Ion Ratio Lower Upper

63 100

112 4.0 3.1 4.7



#38

Bromodichloromethane

Concen: 24.402 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

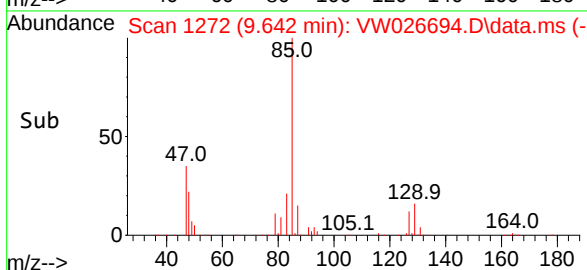
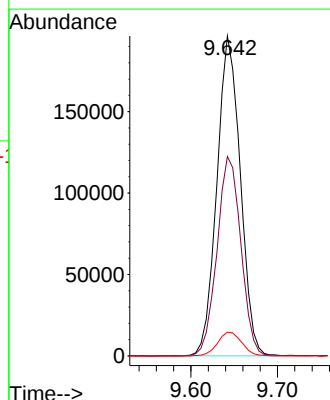
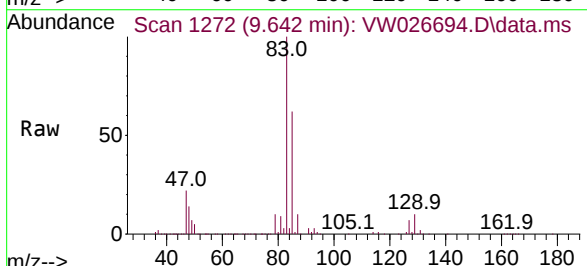
Tgt Ion: 83 Resp: 368866

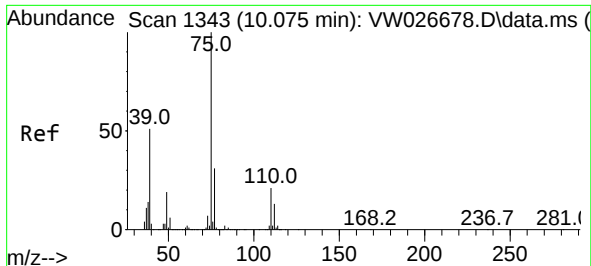
Ion Ratio Lower Upper

83 100

85 62.3 45.4 84.2

127 7.4 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 22.845 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

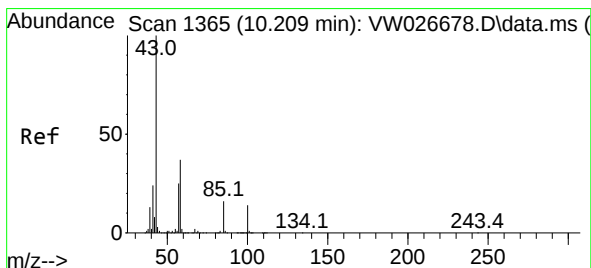
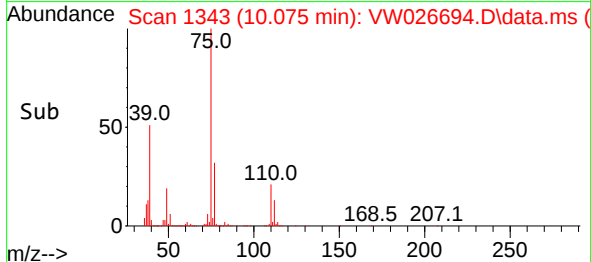
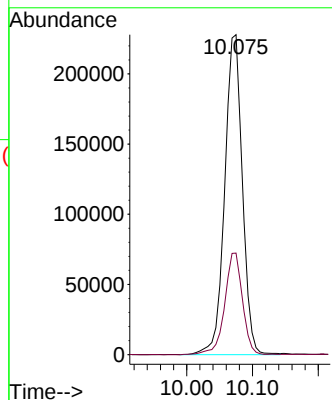
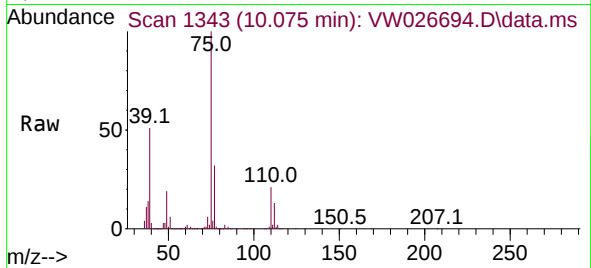
A48H5MSD

Tgt Ion: 75 Resp: 423484

Ion Ratio Lower Upper

75 100

77 31.7 22.8 42.4



#40

4-Methyl-2-pentanone

Concen: 50.975 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

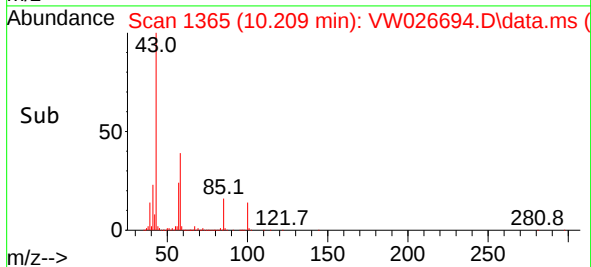
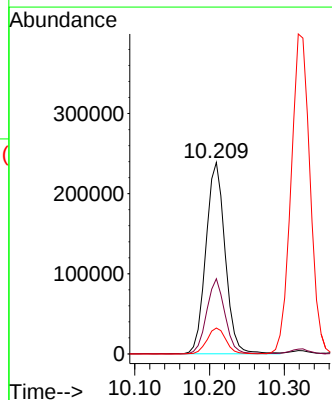
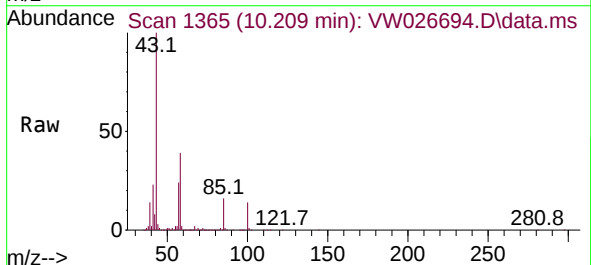
Tgt Ion: 43 Resp: 427265

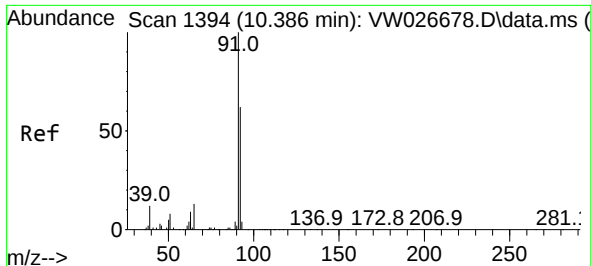
Ion Ratio Lower Upper

43 100

58 37.4 29.2 43.8

100 13.3 10.7 16.1

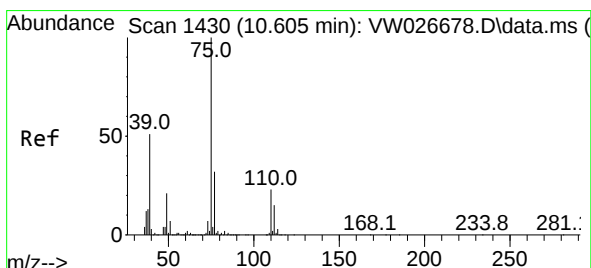
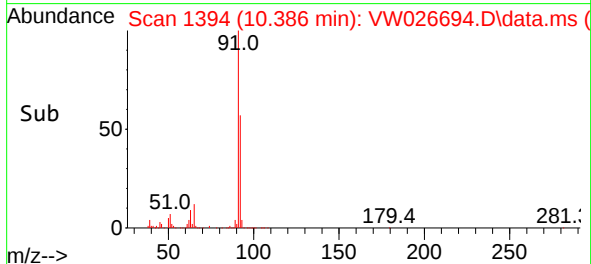
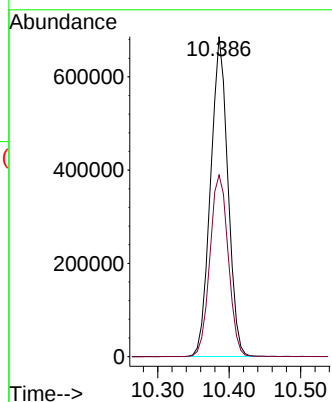
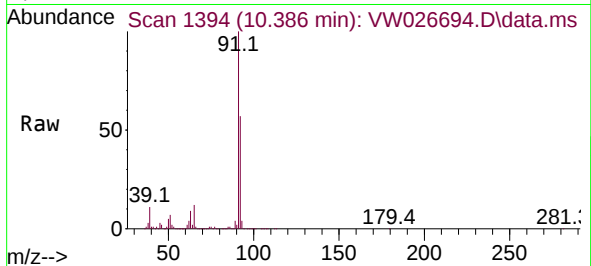




#42
Toluene
Concen: 24.265 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

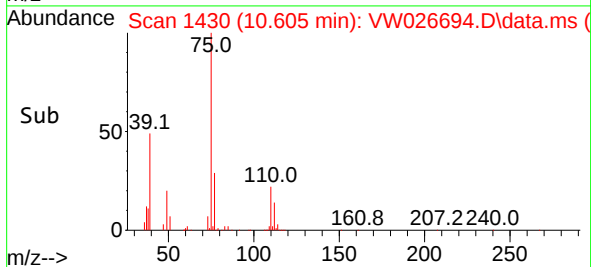
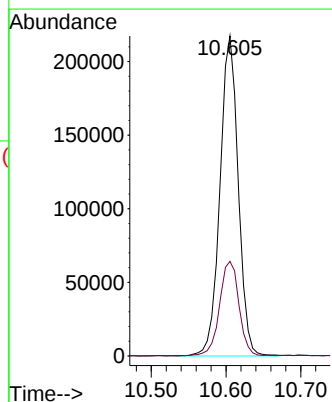
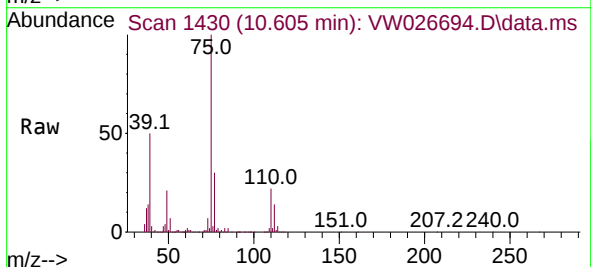
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

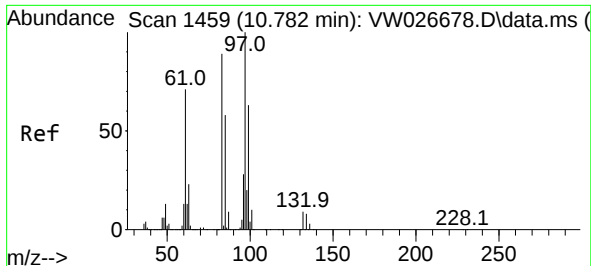
Tgt Ion: 91 Resp: 1154761
Ion Ratio Lower Upper
91 100
92 56.7 40.8 75.8



#44
trans-1,3-Dichloropropene
Concen: 23.129 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 75 Resp: 369033
Ion Ratio Lower Upper
75 100
77 29.5 21.2 39.4

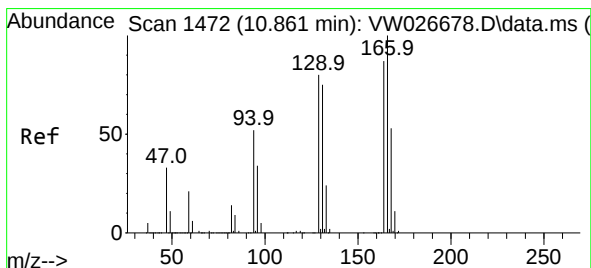
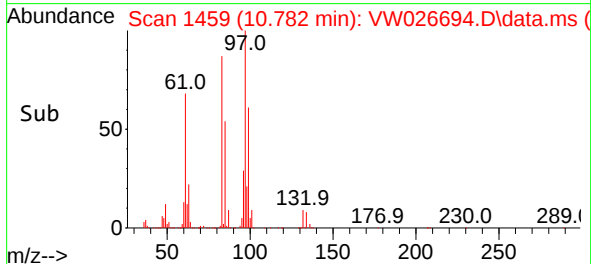
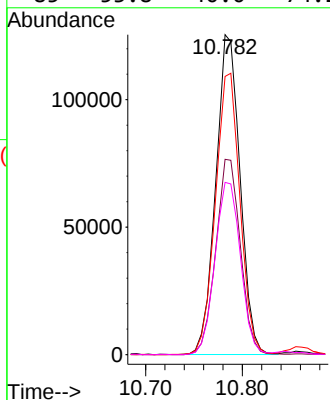
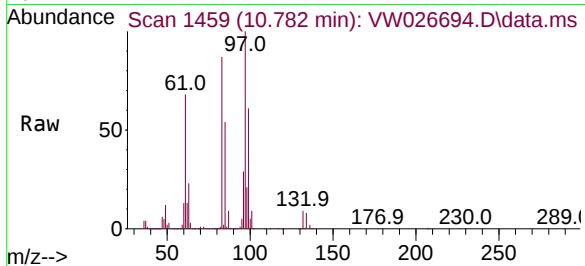




#45
1,1,2-Trichloroethane
Concen: 24.916 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

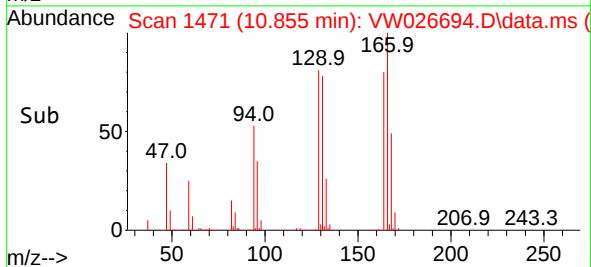
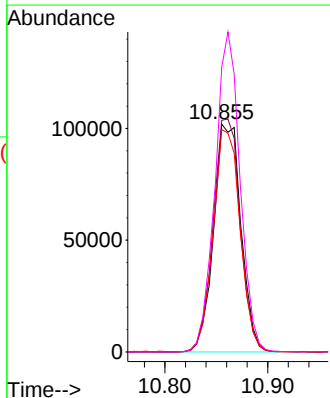
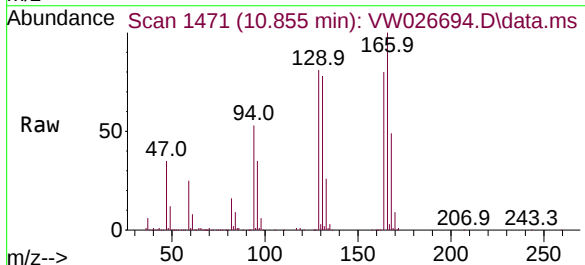
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

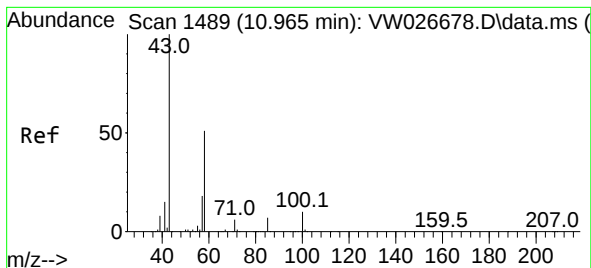
Tgt Ion:	97	Resp:	219580
Ion	Ratio	Lower	Upper
97	100		
99	61.0	44.2	82.0
83	86.9	61.9	114.9
85	53.8	40.0	74.2



#46
Tetrachloroethene
Concen: 21.672 ug/L
RT: 10.855 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion:	164	Resp:	188649
Ion	Ratio	Lower	Upper
164	100		
129	101.6	68.1	126.5
131	97.6	65.5	121.7
166	125.0	89.1	165.5





#48

2-Hexanone

Concen: 47.921 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

Tgt Ion: 43 Resp: 273310

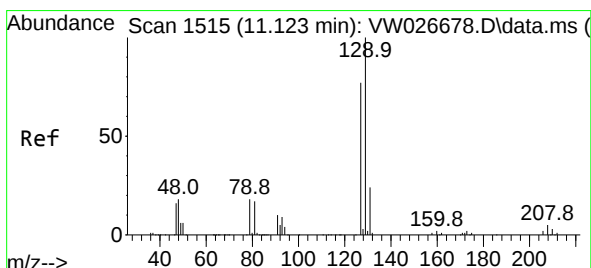
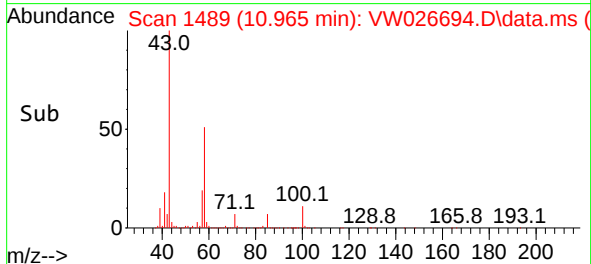
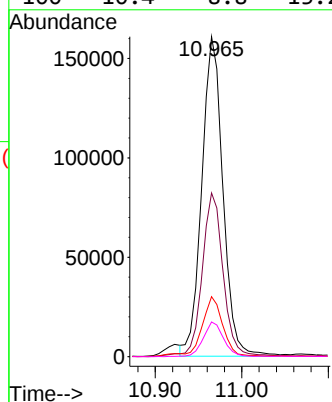
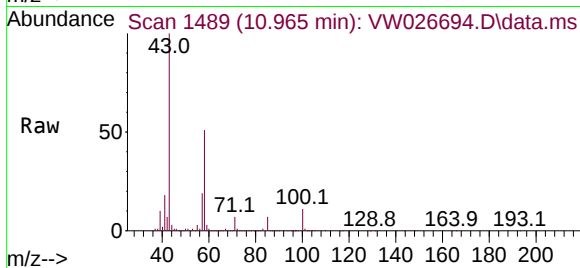
Ion Ratio Lower Upper

43 100

58 49.8 41.1 61.7

57 17.9 14.3 21.5

100 10.4 8.8 13.2



#49

Dibromochloromethane

Concen: 24.546 ug/L

RT: 11.130 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW026694.D

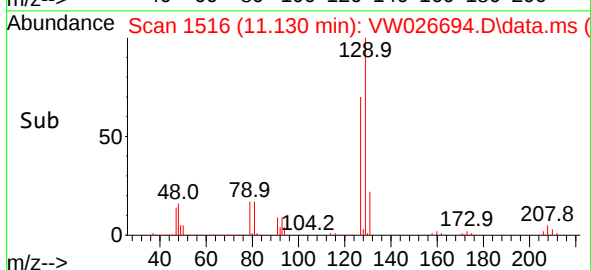
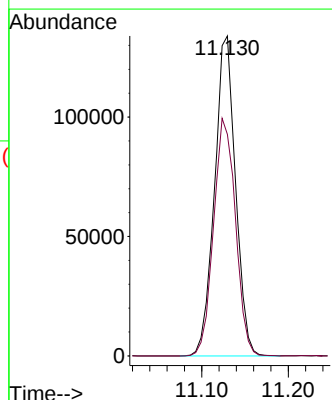
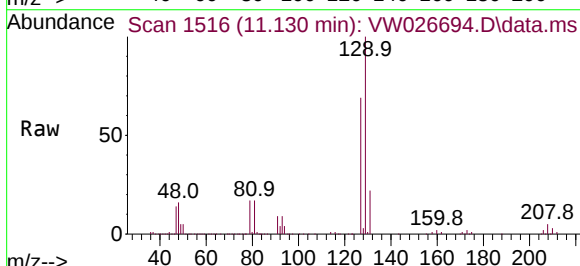
Acq: 10 Aug 2023 22:08

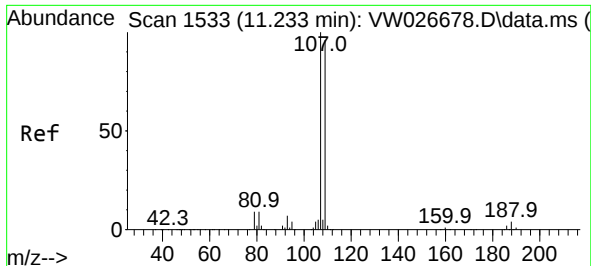
Tgt Ion:129 Resp: 226248

Ion Ratio Lower Upper

129 100

127 69.2 56.6 105.2





#50

1,2-Dibromoethane

Concen: 24.460 ug/L

RT: 11.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

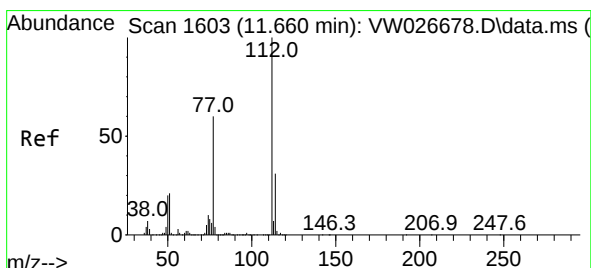
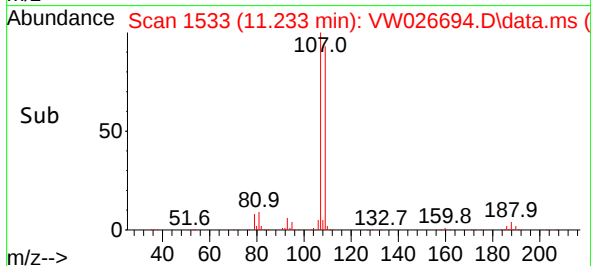
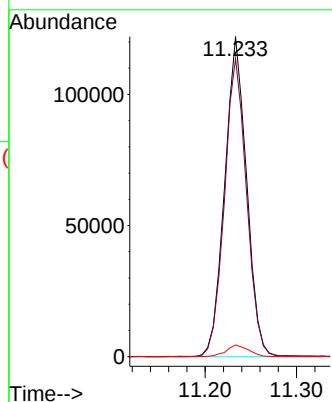
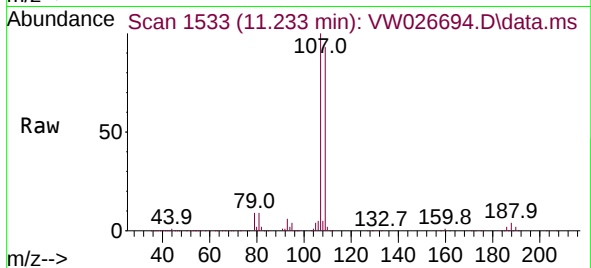
Tgt Ion:107 Resp: 202259

Ion Ratio Lower Upper

107 100

109 93.2 68.8 127.8

188 3.7 2.7 4.1



#51

Chlorobenzene

Concen: 22.499 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

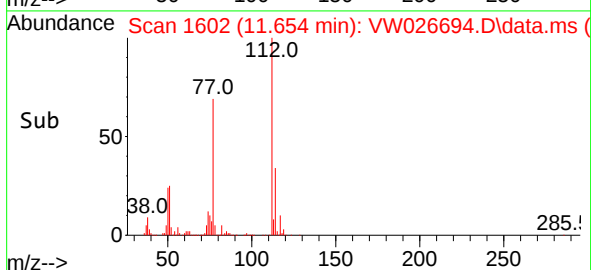
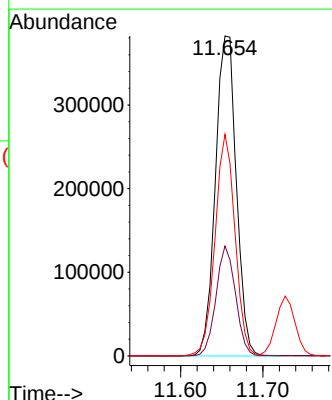
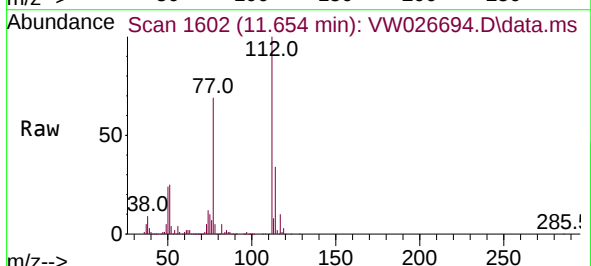
Tgt Ion:112 Resp: 676337

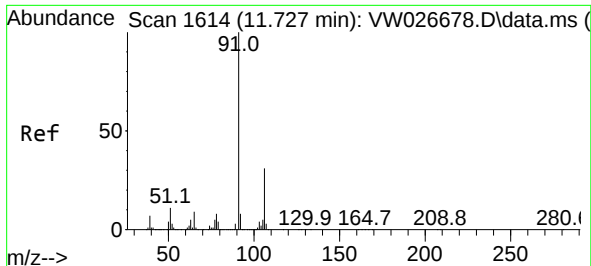
Ion Ratio Lower Upper

112 100

114 34.3 22.4 41.6

77 69.2 50.2 75.2

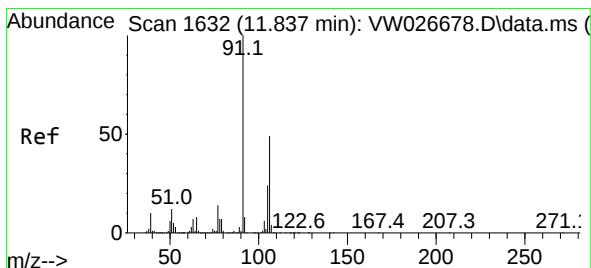
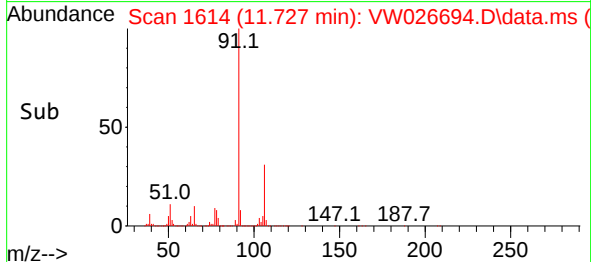
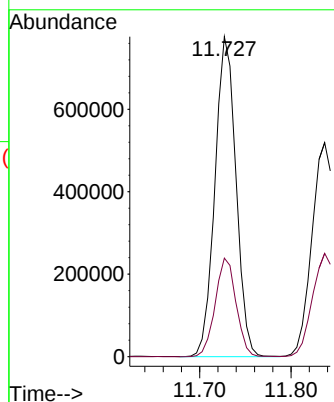
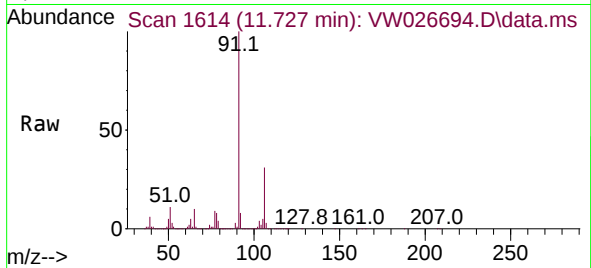




#52
Ethylbenzene
Concen: 23.263 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

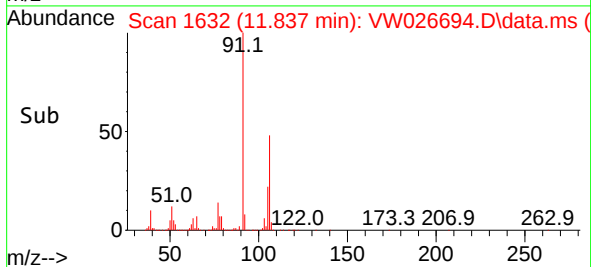
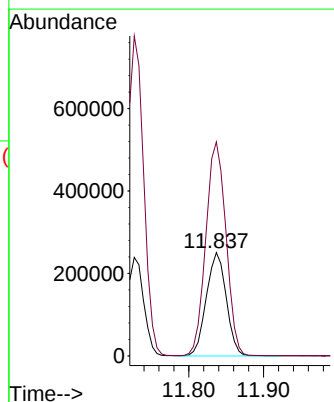
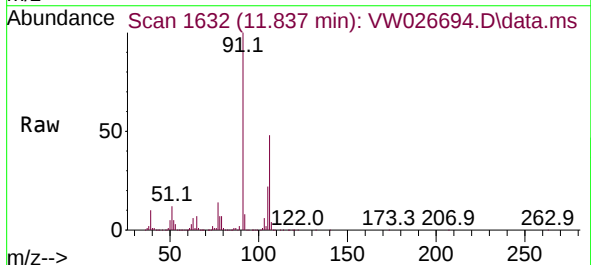
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

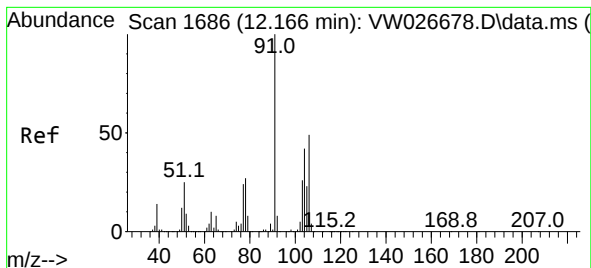
Tgt Ion: 91 Resp: 1241469
Ion Ratio Lower Upper
91 100
106 30.8 20.2 37.6



#53
m,p-Xylene
Concen: 23.453 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 106 Resp: 463671
Ion Ratio Lower Upper
106 100
91 207.1 152.9 284.1





#54

o-Xylene

Concen: 24.131 ug/L

RT: 12.166 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

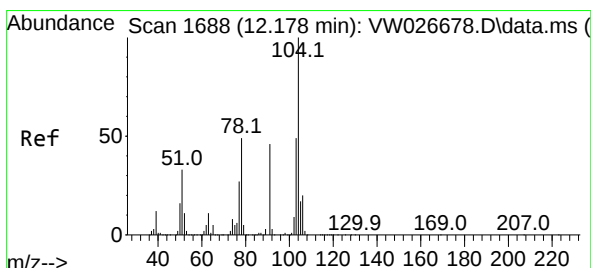
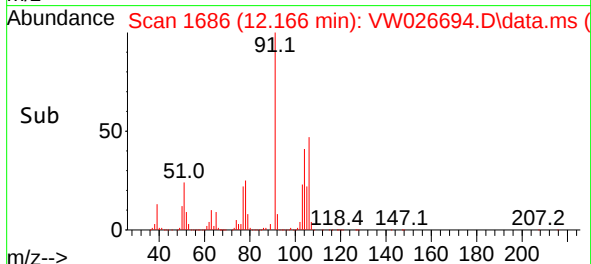
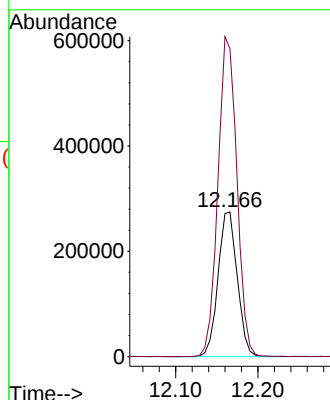
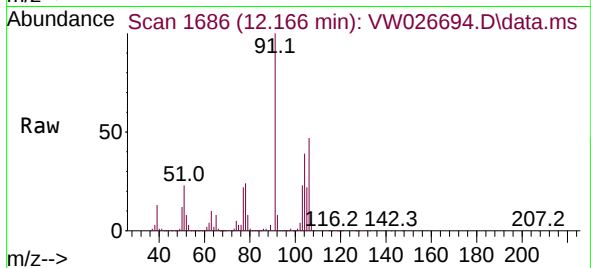
A48H5MSD

Tgt Ion:106 Resp: 445261

Ion Ratio Lower Upper

106 100

91 212.8 149.9 278.3



#55

Styrene

Concen: 21.193 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW026694.D

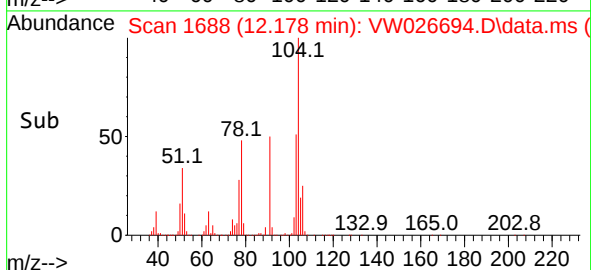
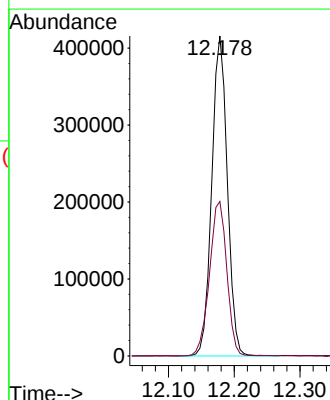
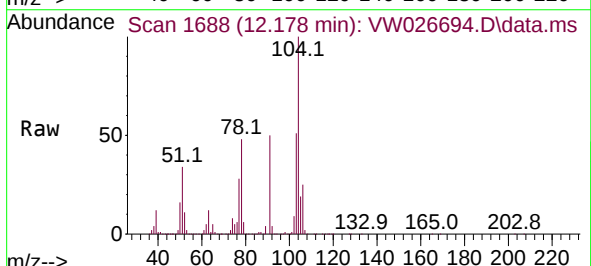
Acq: 10 Aug 2023 22:08

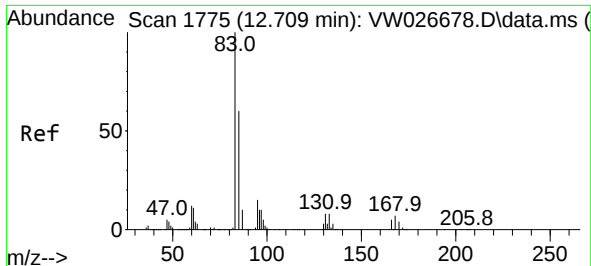
Tgt Ion:104 Resp: 679944

Ion Ratio Lower Upper

104 100

78 48.2 33.0 61.2

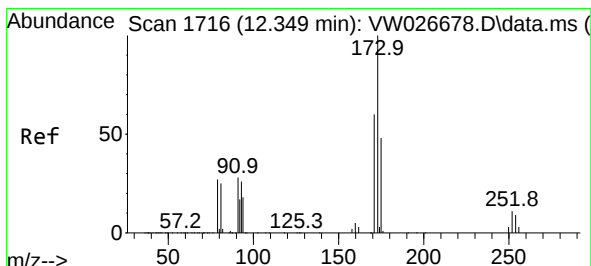
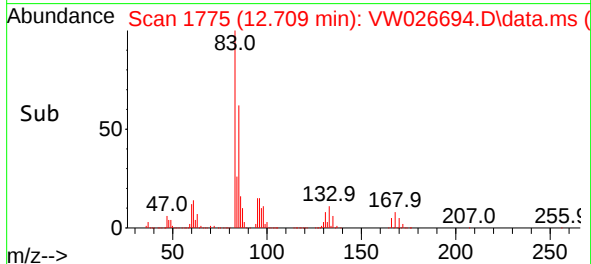
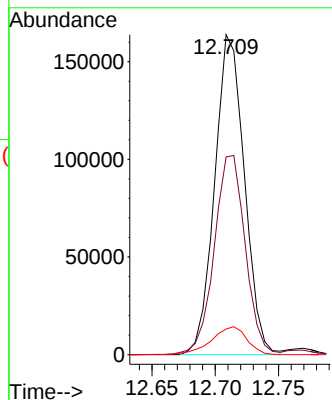
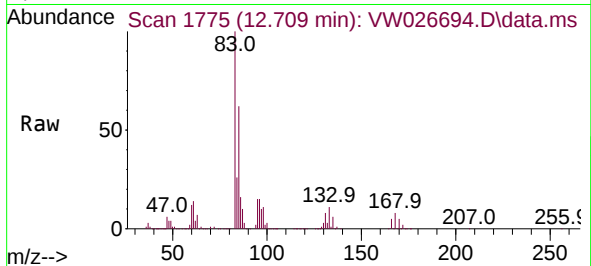




#57
1,1,2,2-Tetrachloroethane
Concen: 23.994 ug/L
RT: 12.709 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

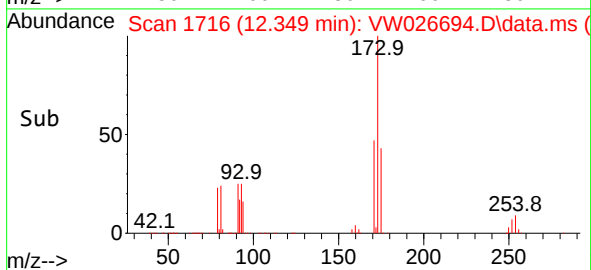
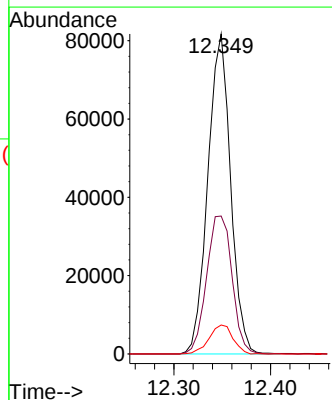
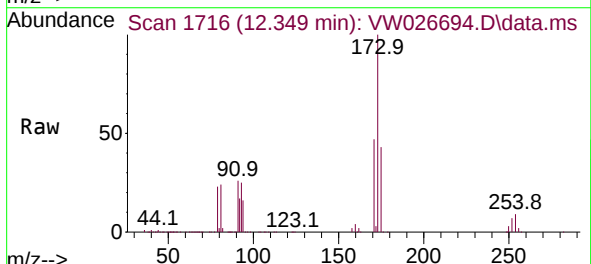
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

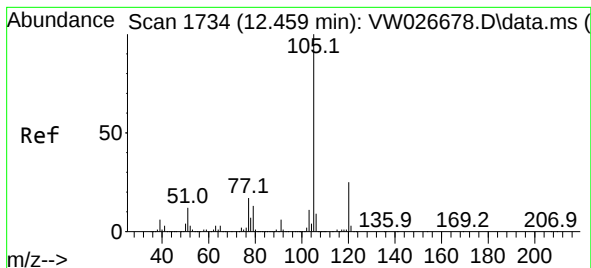
Tgt Ion: 83 Resp: 267790
Ion Ratio Lower Upper
83 100
85 61.8 44.9 83.3
131 8.0 7.4 11.0



#59
Bromoform
Concen: 28.123 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion: 173 Resp: 133575
Ion Ratio Lower Upper
173 100
175 48.1 36.6 55.0
254 9.4 7.8 11.6





#60

Isopropylbenzene

Concen: 25.595 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

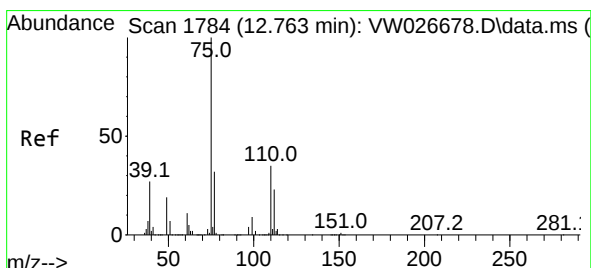
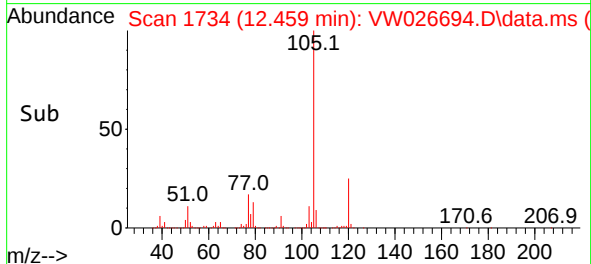
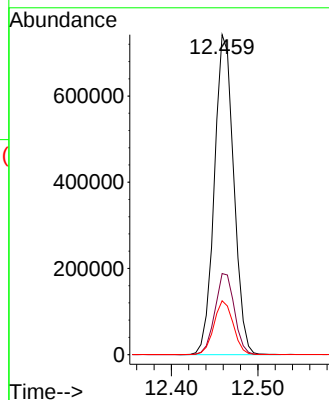
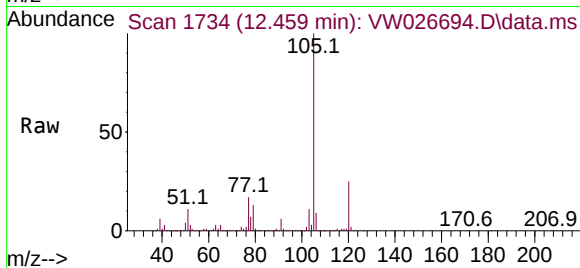
Tgt Ion:105 Resp: 1153786

Ion Ratio Lower Upper

105 100

120 25.4 21.0 31.6

77 16.7 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 27.649 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

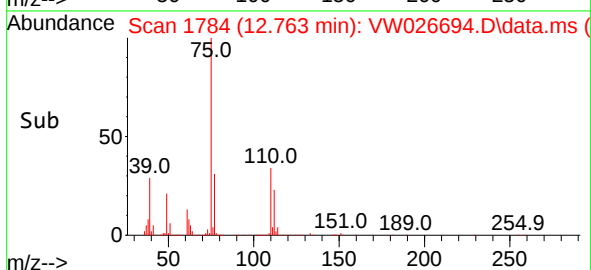
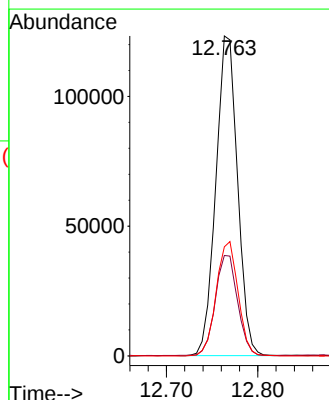
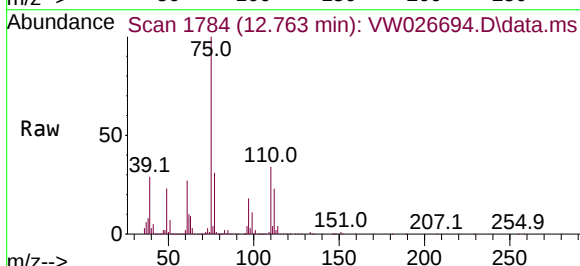
Tgt Ion: 75 Resp: 203353

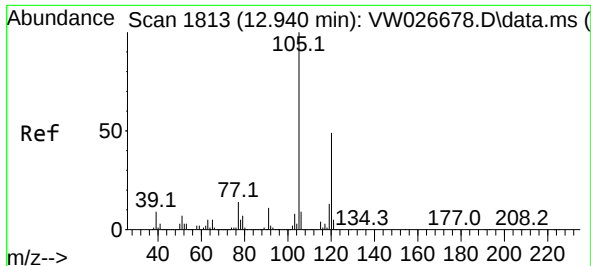
Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1

110 36.0 29.9 44.9

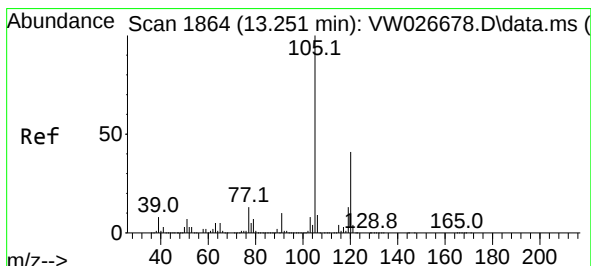
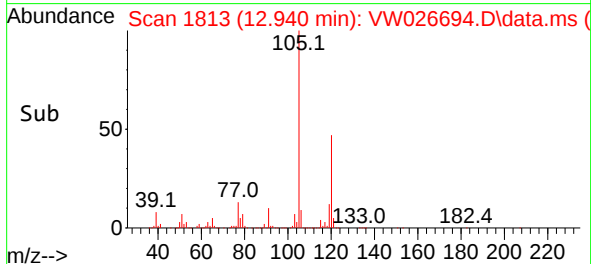
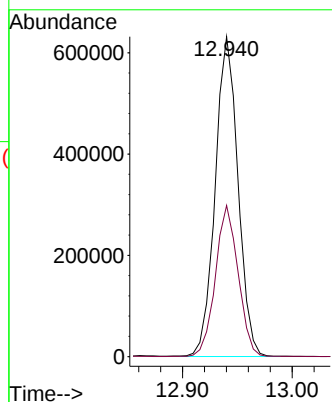
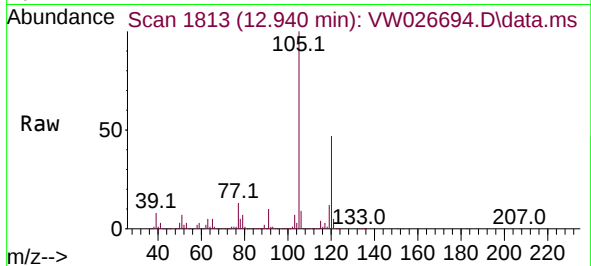




#62
1,3,5-Trimethylbenzene
Concen: 25.599 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

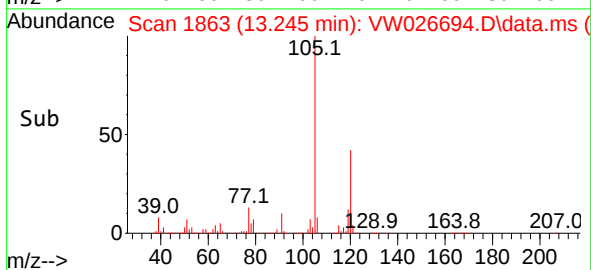
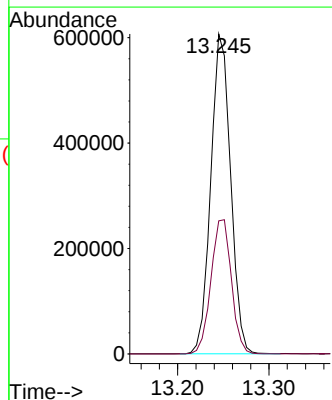
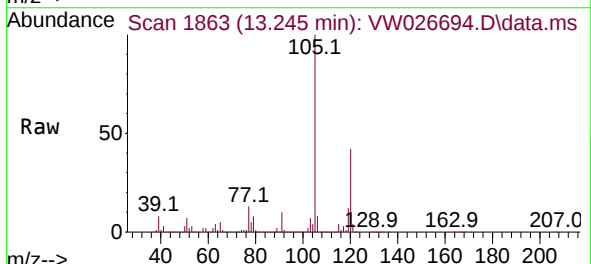
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

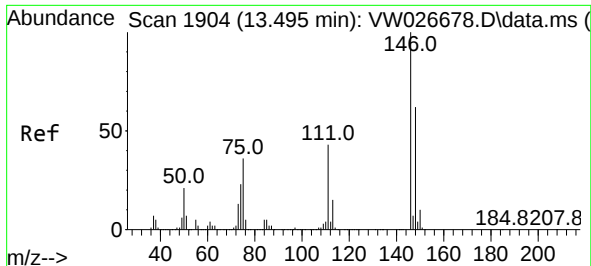
Tgt Ion:105 Resp: 912106
Ion Ratio Lower Upper
105 100
120 46.9 37.4 56.2



#63
1,2,4-Trimethylbenzene
Concen: 26.232 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.006 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion:105 Resp: 915917
Ion Ratio Lower Upper
105 100
120 43.2 36.2 54.4

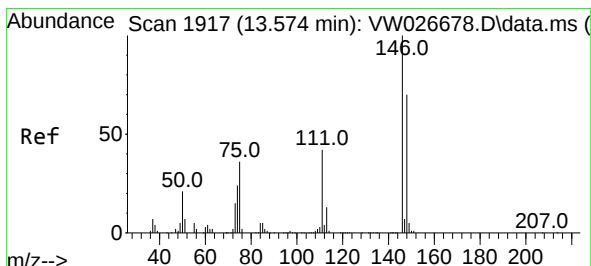
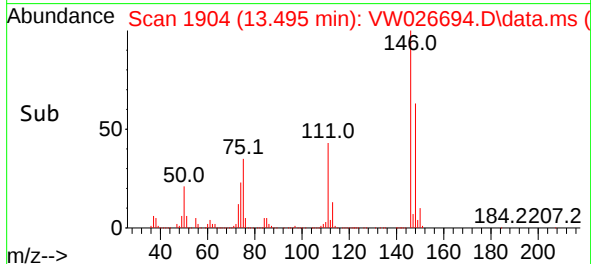
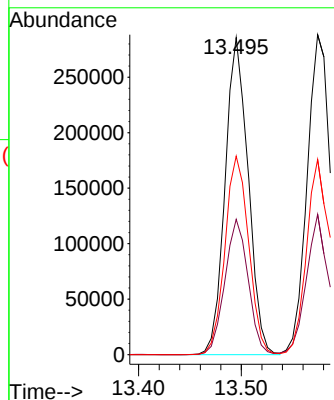
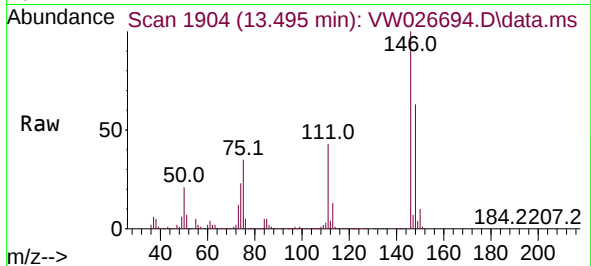




#64
1,3-Dichlorobenzene
Concen: 22.705 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

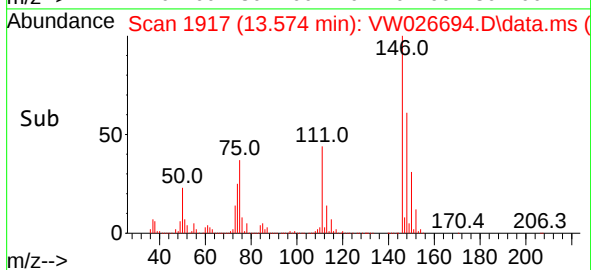
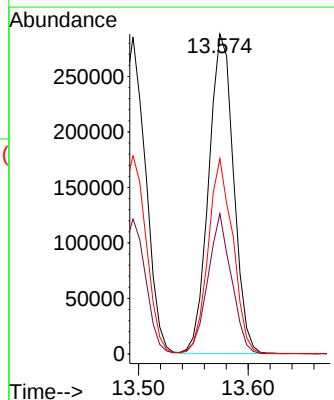
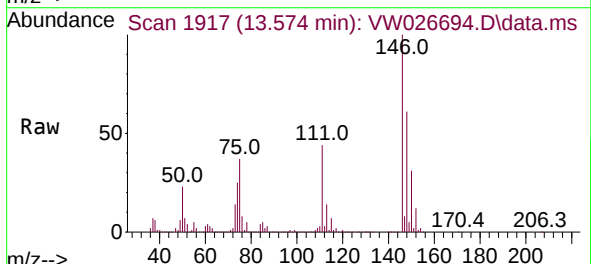
Instrument :
MSVOA_W
ClientSampleId :
A48H5MSD

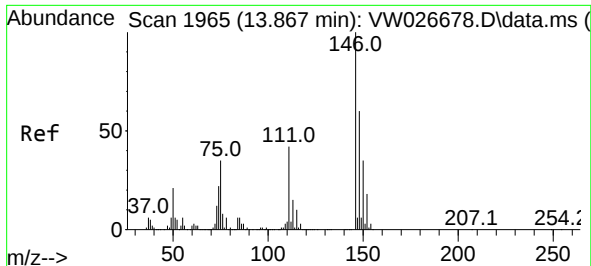
Tgt Ion:146 Resp: 445129
Ion Ratio Lower Upper
146 100
111 42.7 29.1 54.1
148 62.6 38.8 72.0



#65
1,4-Dichlorobenzene
Concen: 22.285 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026694.D
Acq: 10 Aug 2023 22:08

Tgt Ion:146 Resp: 455949
Ion Ratio Lower Upper
146 100
111 43.8 28.3 52.7
148 61.0 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 22.888 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

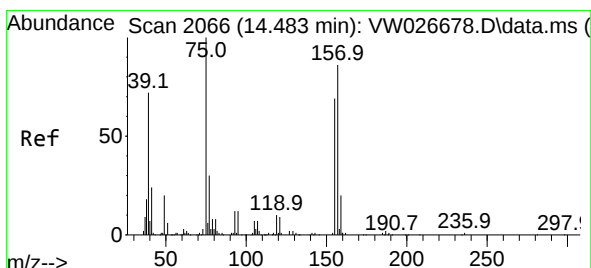
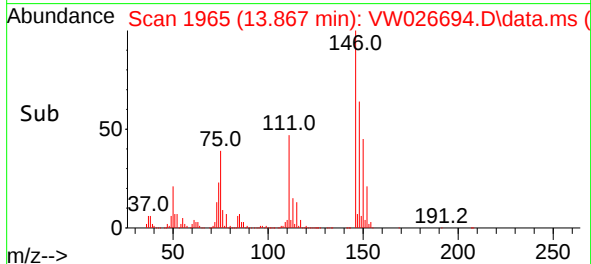
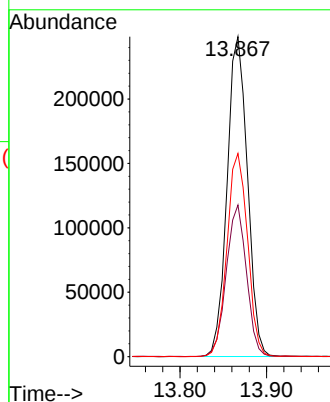
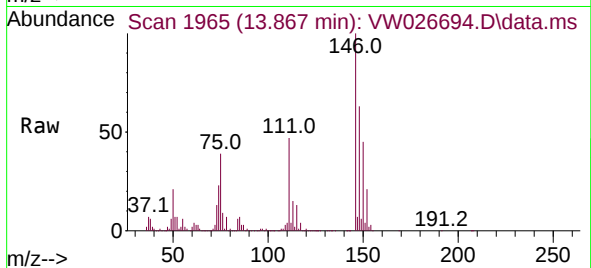
Tgt Ion:146 Resp: 408036

Ion Ratio Lower Upper

146 100

111 47.4 34.6 52.0

148 63.5 53.4 80.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.009 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

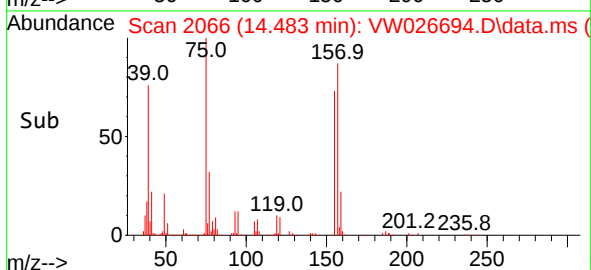
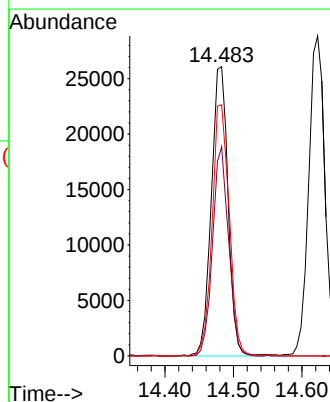
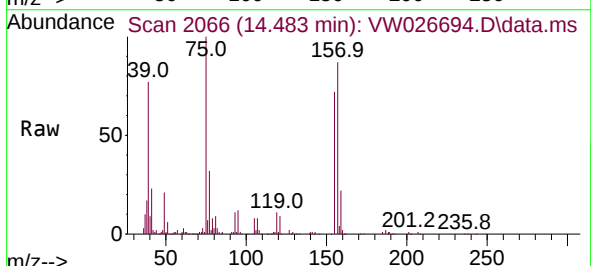
Tgt Ion: 75 Resp: 44343

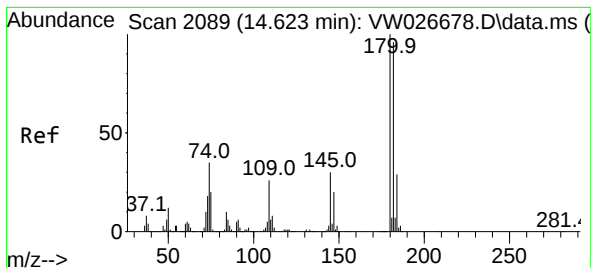
Ion Ratio Lower Upper

75 100

155 72.3 55.0 82.6

157 86.8 77.8 116.6





#69

1,3,5-Trichlorobenzene

Concen: 17.597 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

Tgt Ion:180 Resp: 233073

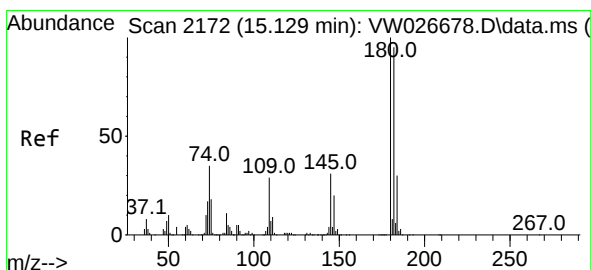
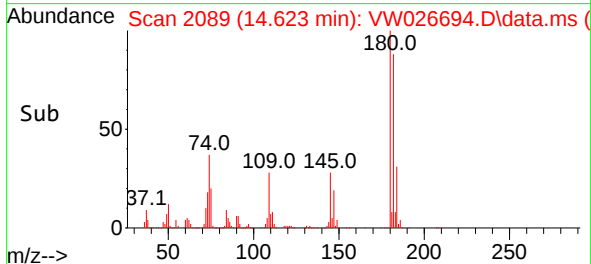
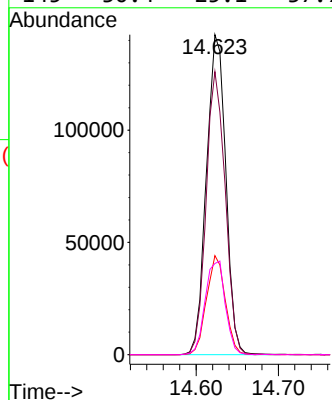
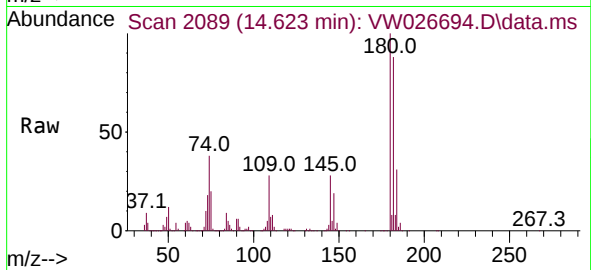
Ion Ratio Lower Upper

180 100

182 87.1 75.2 112.8

184 30.1 23.8 35.8

145 30.4 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 15.495 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

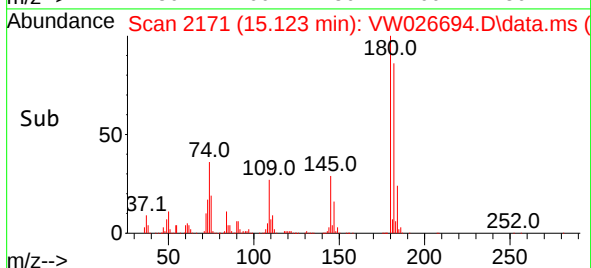
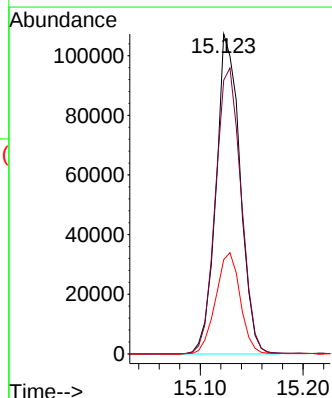
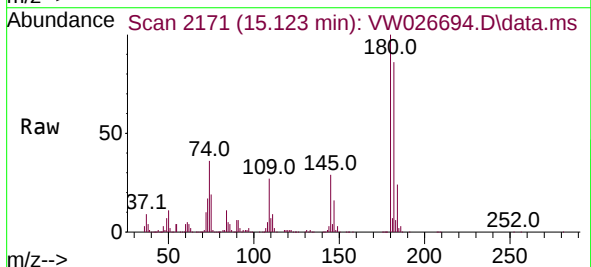
Tgt Ion:180 Resp: 174012

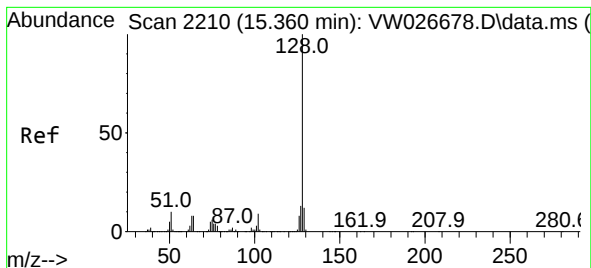
Ion Ratio Lower Upper

180 100

182 95.2 72.5 108.7

145 32.4 24.7 37.1





#71

Naphthalene

Concen: 19.599 ug/L

RT: 15.361 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Instrument :

MSVOA_W

ClientSampleId :

A48H5MSD

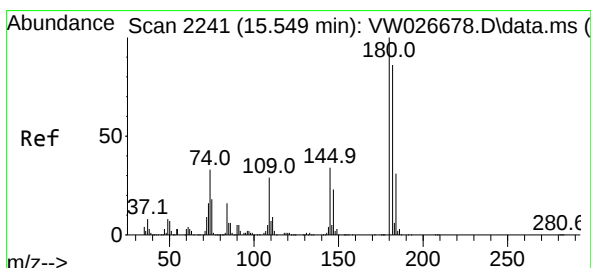
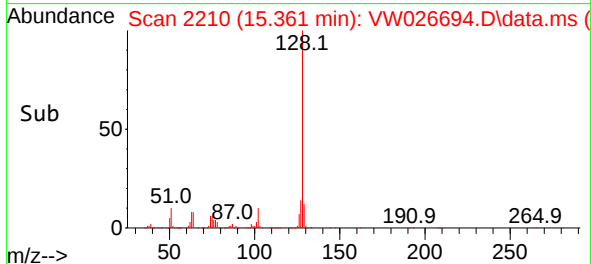
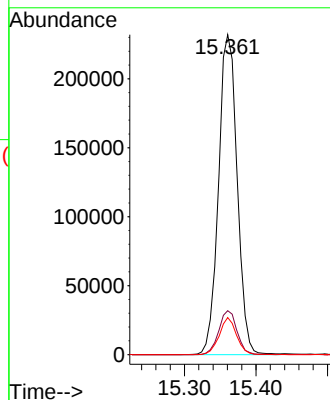
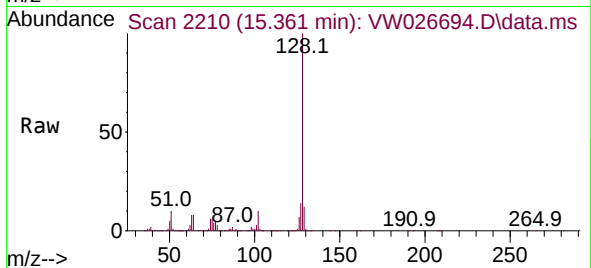
Tgt Ion:128 Resp: 419830

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 10.7 9.0 13.4



#72

1,2,3-Trichlorobenzene

Concen: 14.489 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026694.D

Acq: 10 Aug 2023 22:08

Tgt Ion:180 Resp: 146756

Ion Ratio Lower Upper

180 100

182 96.3 74.6 112.0

145 36.4 27.0 40.6

