

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051923\
 Data File : VW026012.D
 Acq On : 19 May 2023 18:04
 Operator : SY/MD
 Sample : 02851-02MS
 Misc : 2.91g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

Quant Time: May 20 05:10:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat May 20 04:57:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	489635	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	382335	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	126712	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	138171	19.914	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.640%
7) Chloroethane-d5	2.893	69	127920	24.868	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.480%
11) 1,1-Dichloroethene-d2	4.015	65	71705	20.639	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.560%
21) 2-Butanone-d5	7.075	46	68433	29.834	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.660%
24) Chloroform-d	7.648	84	340080	24.087	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.360%
26) 1,2-Dichloroethane-d4	8.301	65	178283	22.331	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.320%
32) Benzene-d6	8.270	84	644192	25.786	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.160%
36) 1,2-Dichloropropane-d6	9.270	67	211952	26.516	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.080%
41) Toluene-d8	10.319	98	518940	23.294	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.160%
43) trans-1,3-Dichloroprop...	10.575	79	57357	17.702	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	70.800%
47) 2-Hexanone-d5	10.922	63	42164	30.934	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.860%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	138020	22.655	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.600%
66) 1,2-Dichlorobenzene-d4	13.849	152	100668	21.794	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	122709	22.432	ug/L	98
3) Chloromethane	2.223	50	198814	24.649	ug/L	98
5) Vinyl chloride	2.369	62	205445	24.609	ug/L	99
6) Bromomethane	2.783	94	86735	19.102	ug/L	98
8) Chloroethane	2.930	64	129055	27.186	ug/L	99
9) Trichlorofluoromethane	3.265	101	194932	30.940	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	158697	23.161	ug/L	98
12) 1,1-Dichloroethene	4.039	96	159599	24.372	ug/L	91
13) Acetone	4.119	43	134292	66.027	ug/L	100
14) Carbon disulfide	4.381	76	491954	22.215	ug/L	99
15) Methyl Acetate	4.667	43	28673	7.154	ug/L	97
16) Methylene chloride	4.911	84	197217	19.531	ug/L	93
17) trans-1,2-Dichloroethene	5.423	96	165659	23.189	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	268071	24.724	ug/L	99
19) 1,1-Dichloroethane	6.216	63	365600	24.909	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	179693	23.446	ug/L	96
22) 2-Butanone	7.167	43	119570	42.576	ug/L	98
23) Bromochloromethane	7.514	128	77419	23.844	ug/L	94
25) Chloroform	7.673	83	339493	25.167	ug/L	99

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 Response via : Initial Calibration

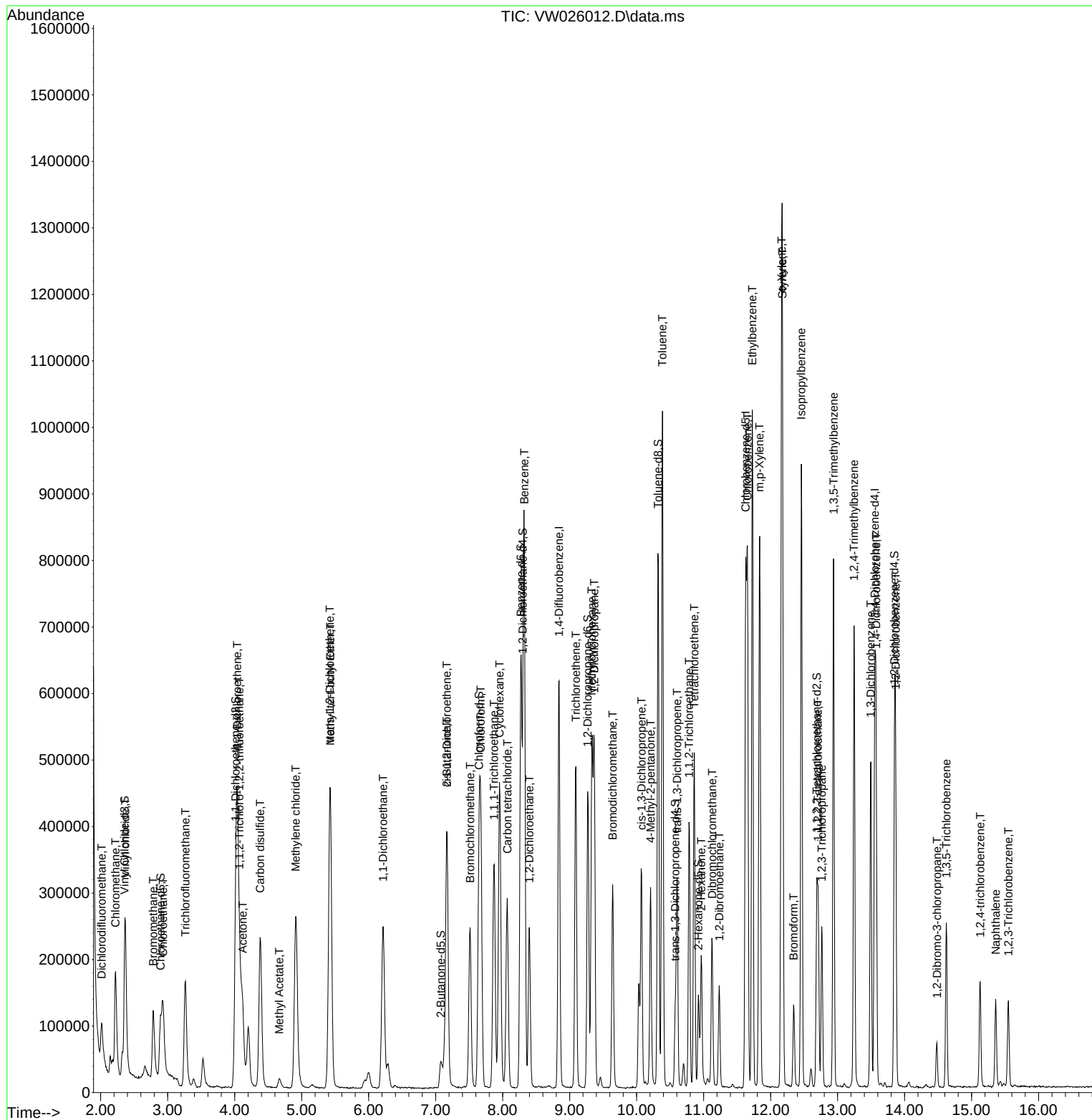
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	215964	22.543	ug/L	100
29) Cyclohexane	7.953	56	254921	21.515	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	275961	29.513	ug/L	99
31) Carbon tetrachloride	8.069	117	209920	24.947	ug/L	99
33) Benzene	8.325	78	736678	27.850	ug/L	100
34) Trichloroethene	9.093	95	175398	25.840	ug/L	97
35) Methylcyclohexane	9.331	83	189108	15.664	ug/L	98
37) 1,2-Dichloropropane	9.368	63	199351	27.507	ug/L	100
38) Bromodichloromethane	9.642	83	206187	24.799	ug/L	98
39) cis-1,3-Dichloropropene	10.075	75	193102	18.169	ug/L	96
40) 4-Methyl-2-pentanone	10.209	43	208316	44.161	ug/L	99
42) Toluene	10.386	91	712341	26.356	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	170415	19.352	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	121259	25.013	ug/L	97
46) Tetrachloroethene	10.861	164	99179	20.769	ug/L	93
48) 2-Hexanone	10.965	43	144587	42.785	ug/L	94
49) Dibromochloromethane	11.129	129	108925	21.703	ug/L	93
50) 1,2-Dibromoethane	11.233	107	99610	22.289	ug/L	96
51) Chlorobenzene	11.654	112	389059	23.236	ug/L	94
52) Ethylbenzene	11.727	91	684101	22.501	ug/L	98
53) m,p-Xylene	11.837	106	250851	22.418	ug/L	97
54) o-Xylene	12.166	106	235587	22.337	ug/L	89
55) Styrene	12.178	104	375721	20.813	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	129790	21.456	ug/L	95
59) Bromoform	12.343	173	53019	28.249	ug/L	96
60) Isopropylbenzene	12.459	105	572487	29.723	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	98924	33.034	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	392986	25.760	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	357948	25.427	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	186336	22.473	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	191814	22.898	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	162310	21.950	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	18576	26.750	ug/L	97
69) 1,3,5-Trichlorobenzene	14.623	180	69848	12.691	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	49080	10.644	ug/L	97
71) Naphthalene	15.360	128	105828	12.160	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	40167	9.818	ug/L	97

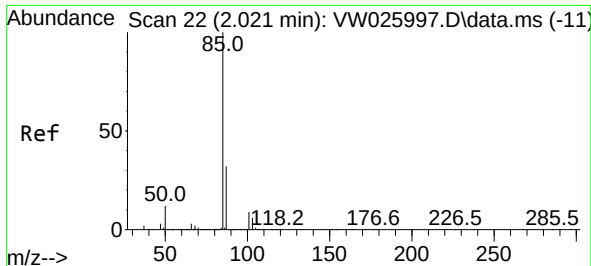
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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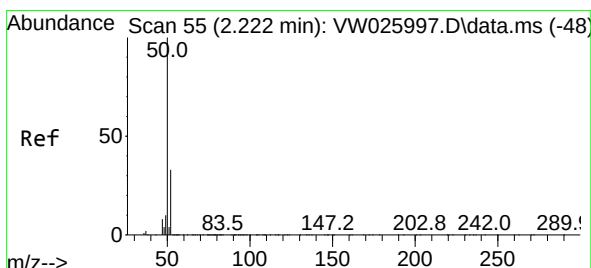
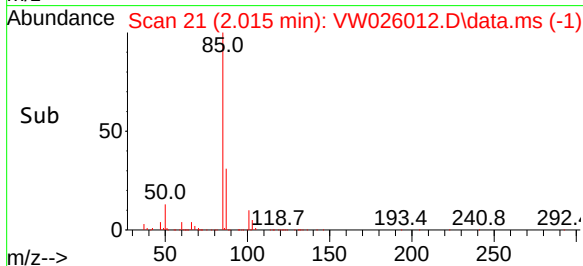
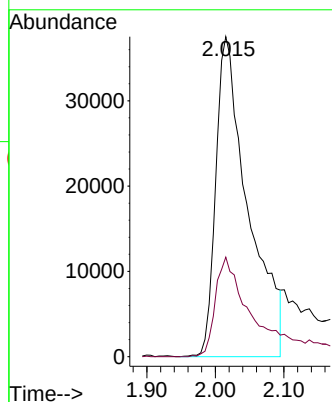
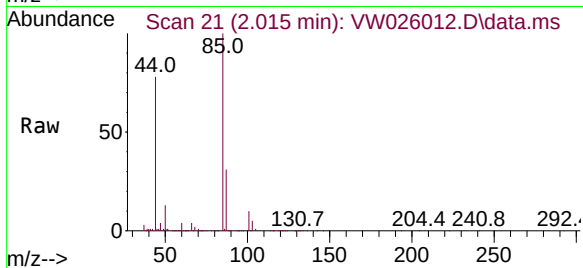




#2
 Dichlorodifluoromethane
 Concen: 22.432 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VW026012.D
 Acq: 19 May 2023 18:04

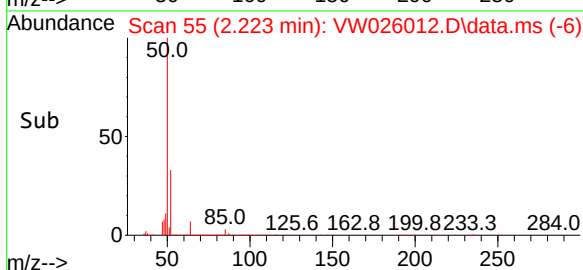
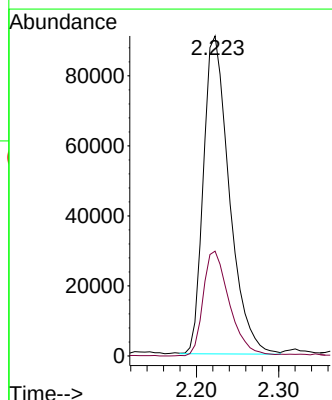
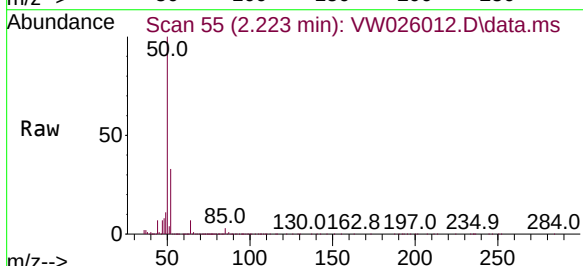
Instrument :
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 ClientSampleId :
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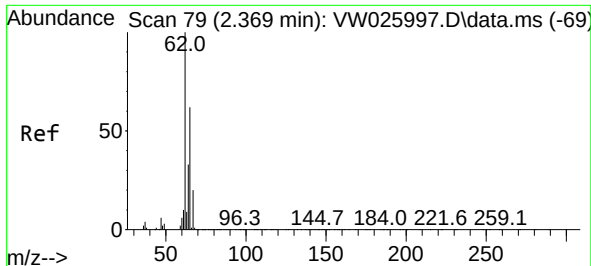
Tgt Ion: 85 Resp: 122709
 Ion Ratio Lower Upper
 85 100
 87 30.0 24.7 37.1



#3
 Chloromethane
 Concen: 24.649 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW026012.D
 Acq: 19 May 2023 18:04

Tgt Ion: 50 Resp: 198814
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.1 41.1

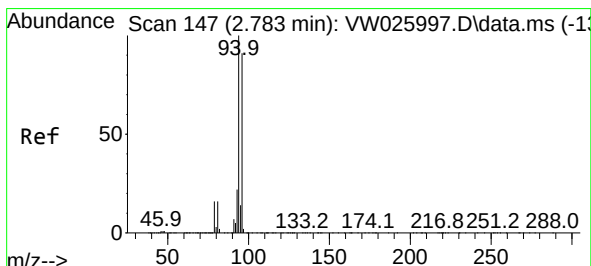
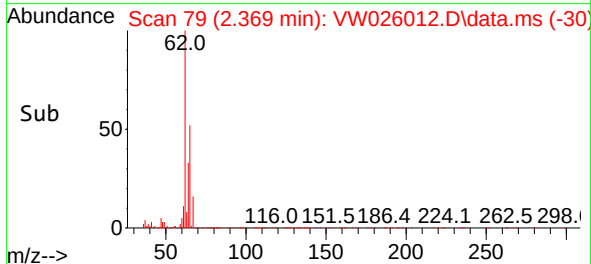
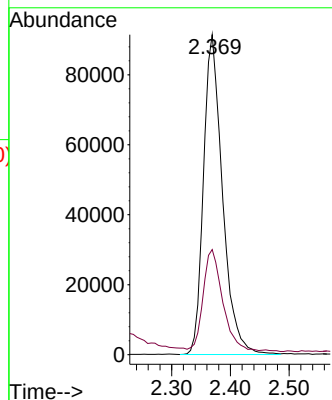
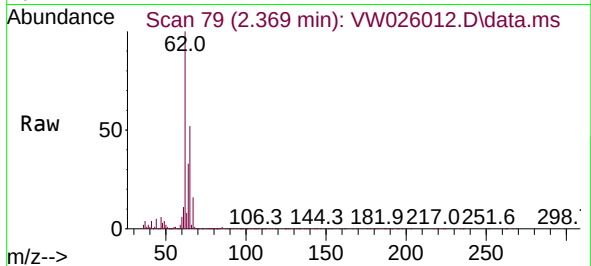




#5
 Vinyl chloride
 Concen: 24.609 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: VW026012.D
 Acq: 19 May 2023 18:04

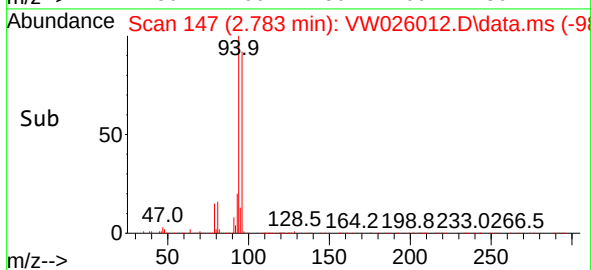
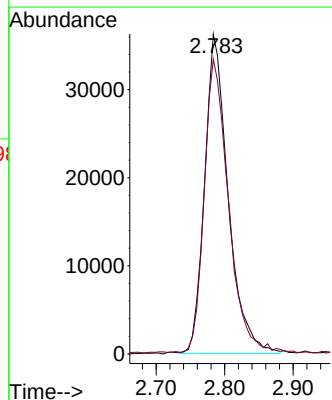
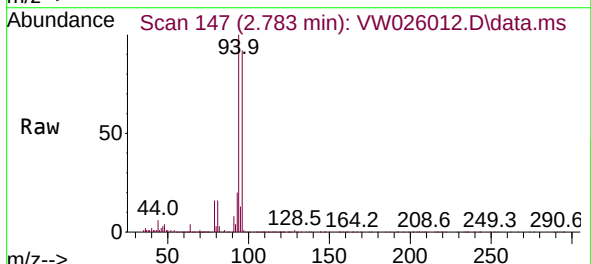
Instrument :
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 ClientSampleId :
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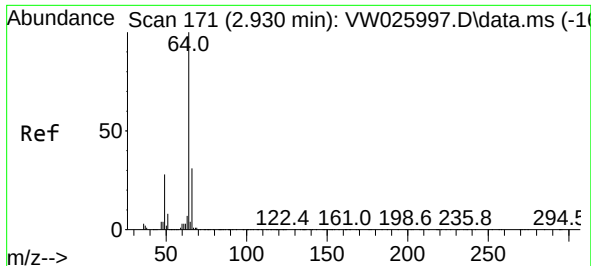
Tgt Ion: 62 Resp: 205445
 Ion Ratio Lower Upper
 62 100
 64 32.8 22.7 42.3



#6
 Bromomethane
 Concen: 19.102 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW026012.D
 Acq: 19 May 2023 18:04

Tgt Ion: 94 Resp: 86735
 Ion Ratio Lower Upper
 94 100
 96 92.0 63.1 117.1

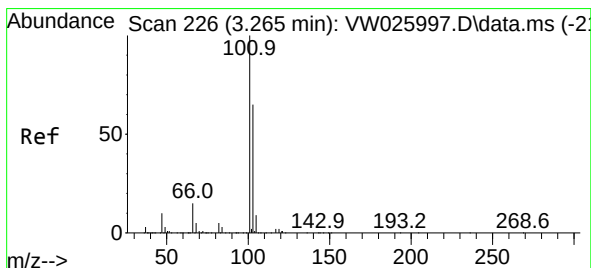
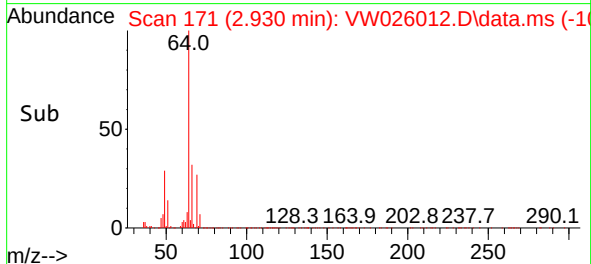
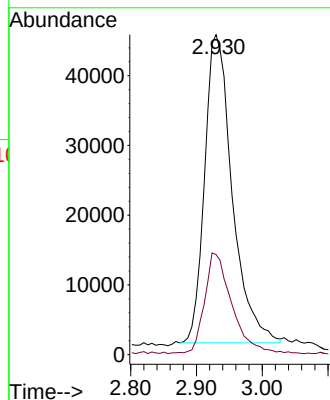
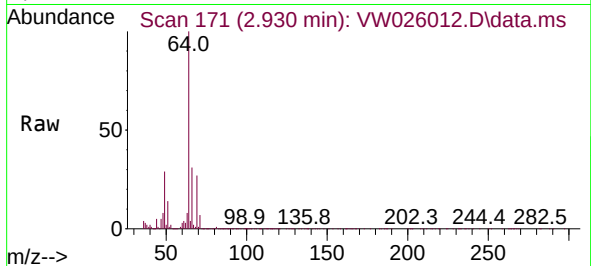




#8
Chloroethane
Concen: 27.186 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

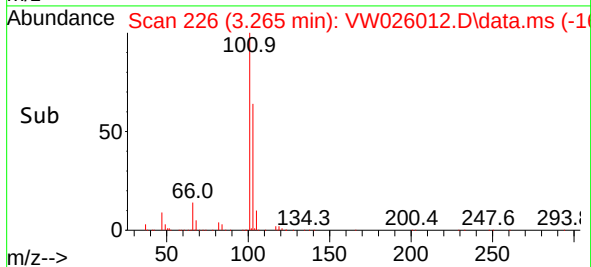
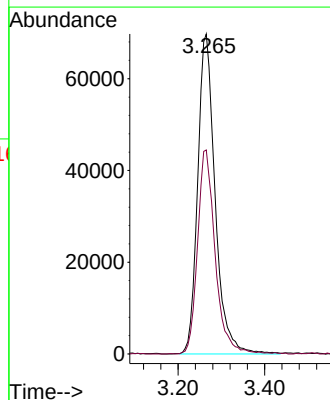
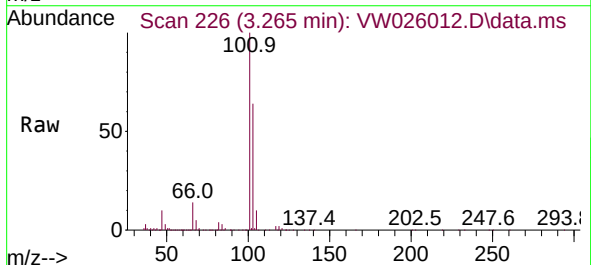
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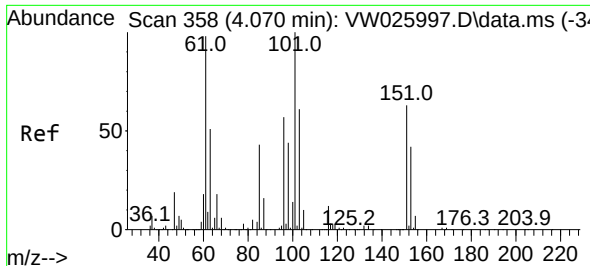
Tgt Ion: 64 Resp: 129055
Ion Ratio Lower Upper
64 100
66 31.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 30.940 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion: 101 Resp: 194932
Ion Ratio Lower Upper
101 100
103 63.4 50.6 76.0

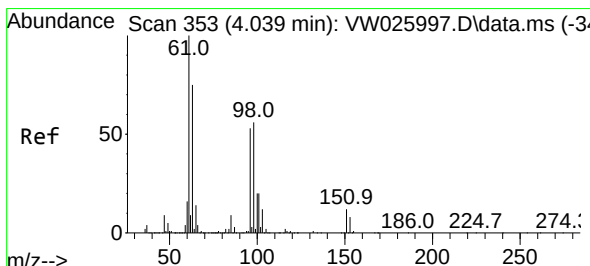
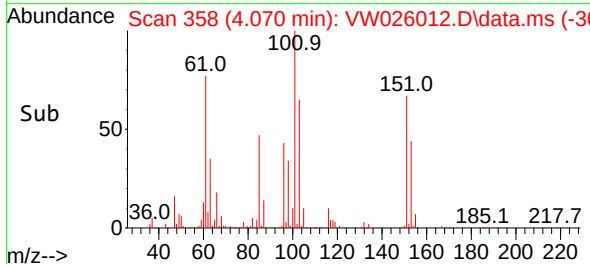
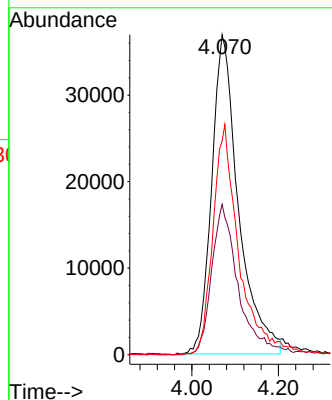
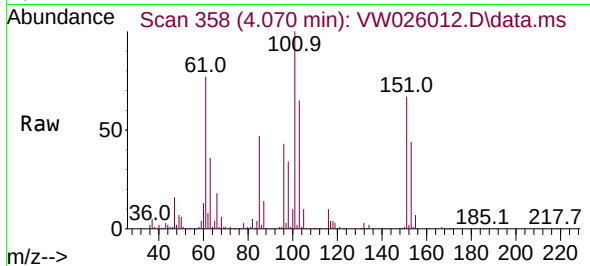




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.161 ug/L
 RT: 4.070 min Scan# 358
 Delta R.T. 0.000 min
 Lab File: VW026012.D
 Acq: 19 May 2023 18:04

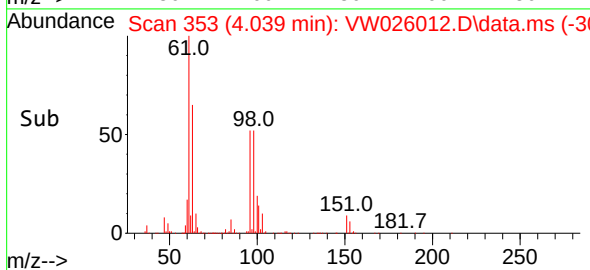
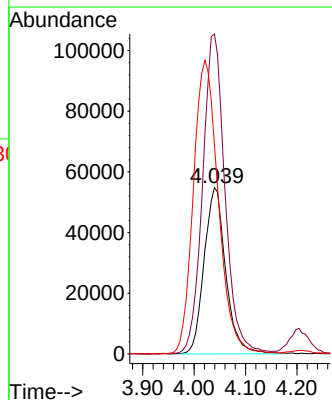
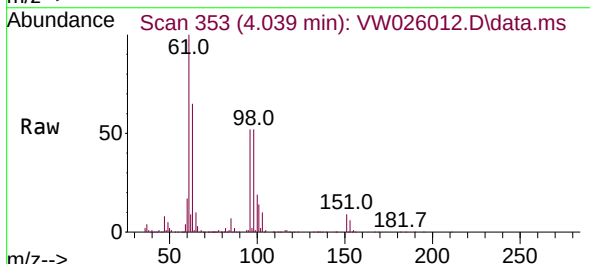
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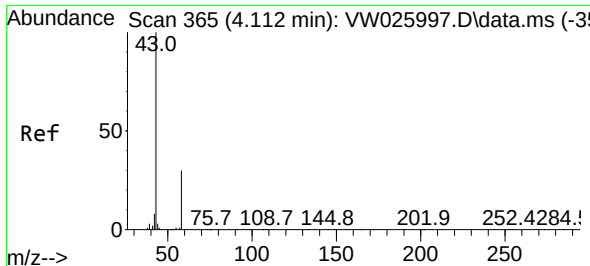
Tgt Ion:101 Resp: 158697
 Ion Ratio Lower Upper
 101 100
 85 44.5 33.9 50.9
 151 67.2 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 24.372 ug/L
 RT: 4.039 min Scan# 353
 Delta R.T. 0.000 min
 Lab File: VW026012.D
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Tgt Ion: 96 Resp: 159599
 Ion Ratio Lower Upper
 96 100
 61 192.2 135.0 250.8
 63 125.5 104.9 194.7

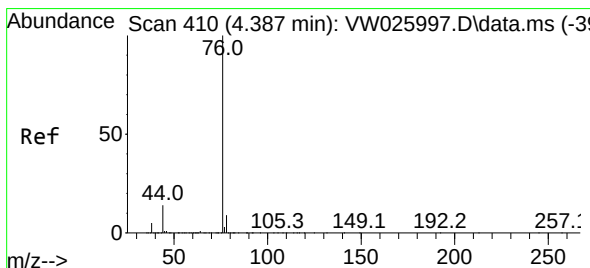
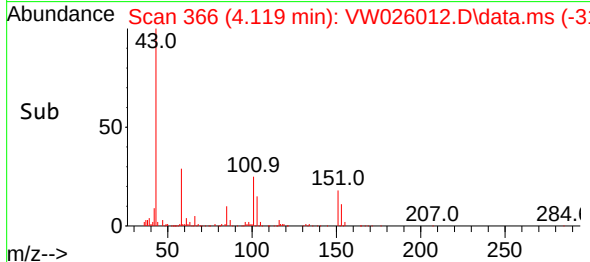
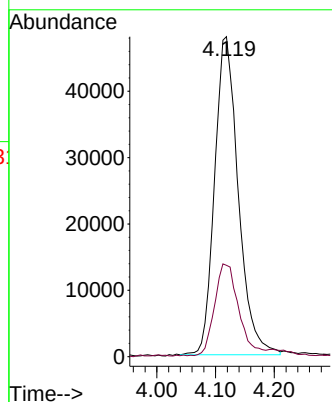
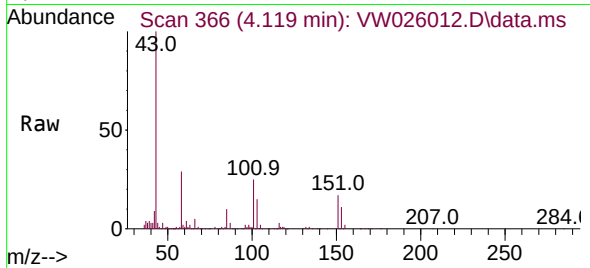




#13
Acetone
Concen: 66.027 ug/L
RT: 4.119 min Scan# 309
Delta R.T. 0.006 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

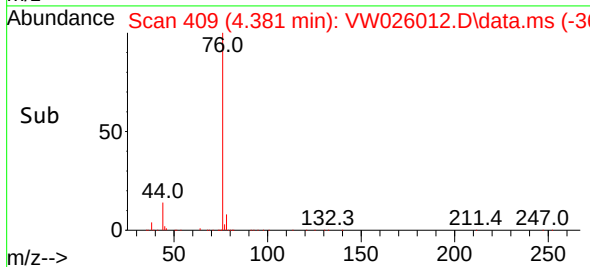
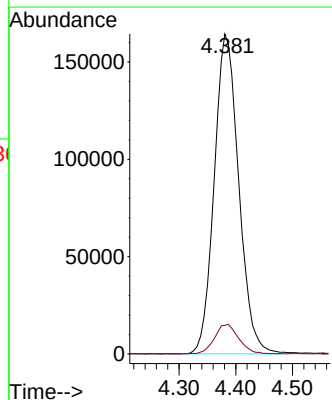
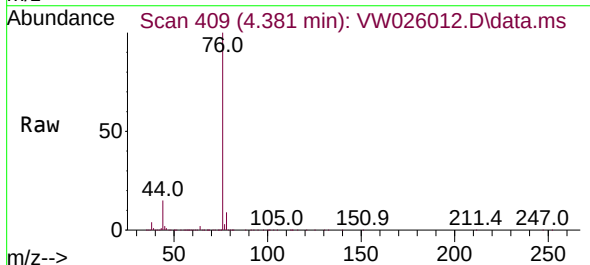
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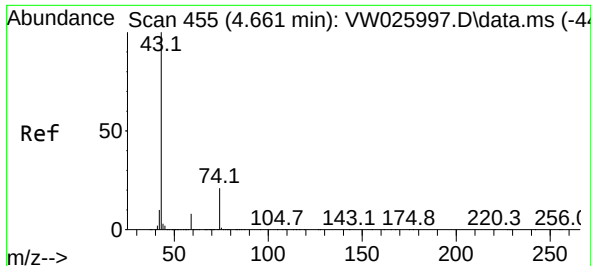
Tgt Ion: 43 Resp: 134292
Ion Ratio Lower Upper
43 100
58 29.2 0.0 58.2



#14
Carbon disulfide
Concen: 22.215 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.006 min
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Tgt Ion: 76 Resp: 491954
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

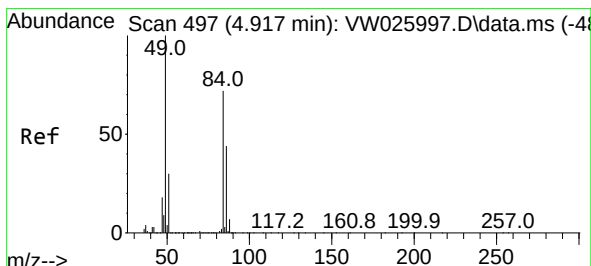
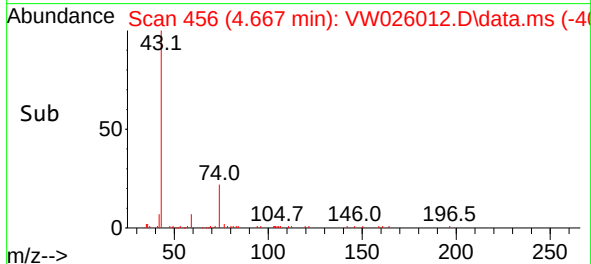
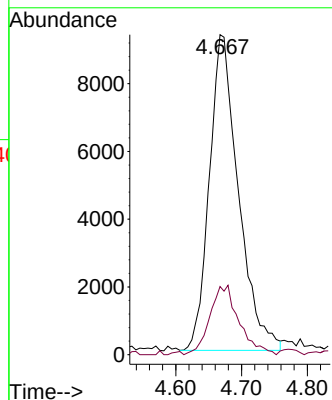
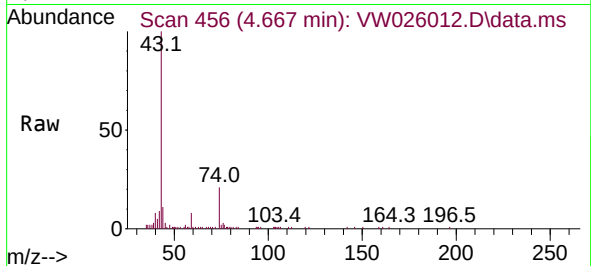




#15
Methyl Acetate
Concen: 7.154 ug/L
RT: 4.667 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

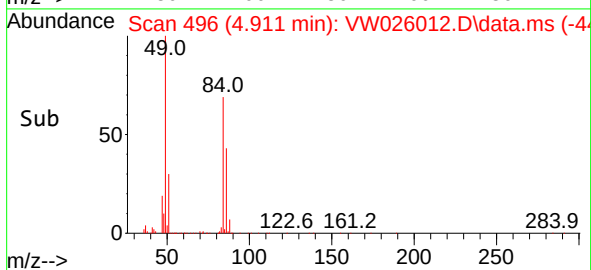
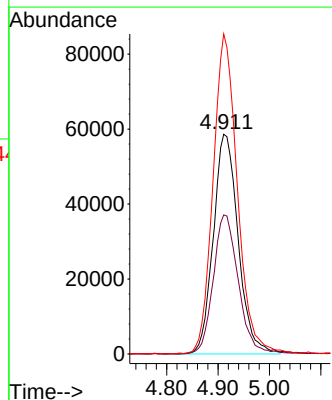
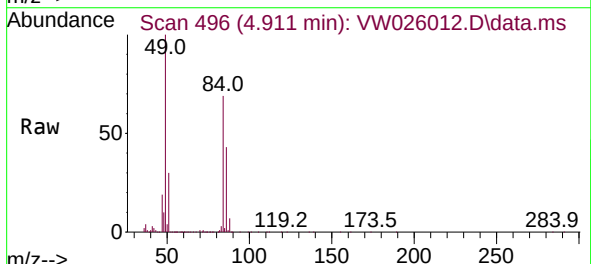
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

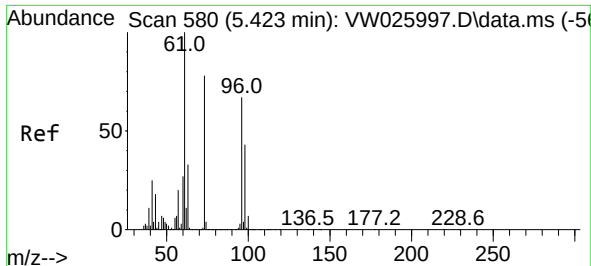
Tgt Ion: 43 Resp: 28673
Ion Ratio Lower Upper
43 100
74 21.9 16.5 24.7



#16
Methylene chloride
Concen: 19.531 ug/L
RT: 4.911 min Scan# 496
Delta R.T. -0.006 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion: 84 Resp: 197217
Ion Ratio Lower Upper
84 100
86 63.3 41.7 77.5
49 145.6 95.3 177.1

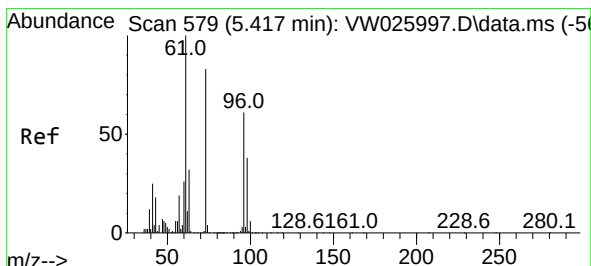
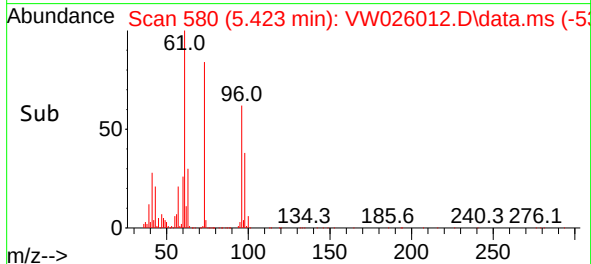
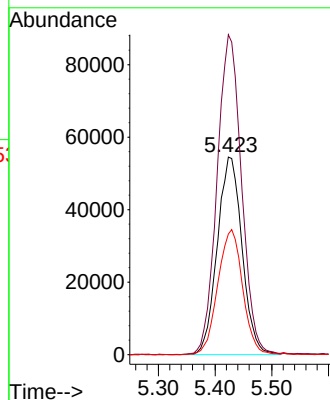
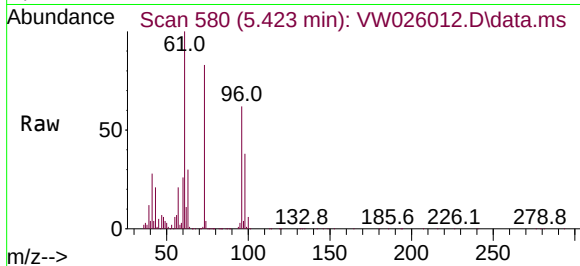




#17
trans-1,2-Dichloroethene
Concen: 23.189 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

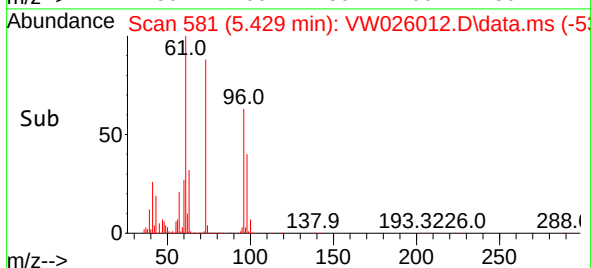
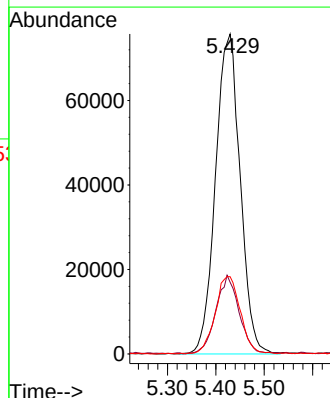
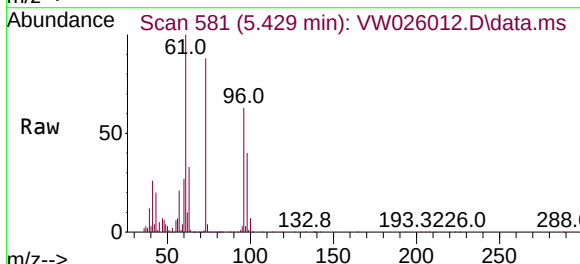
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

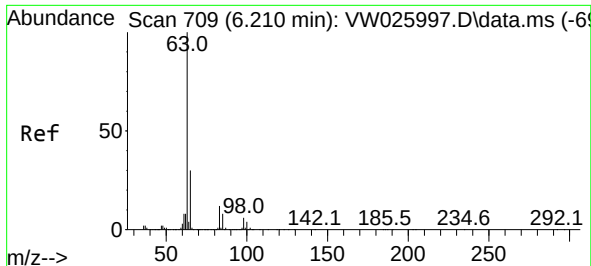
Tgt Ion: 96 Resp: 165659
Ion Ratio Lower Upper
96 100
61 161.9 108.1 200.9
98 61.1 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 24.724 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.012 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion: 73 Resp: 268071
Ion Ratio Lower Upper
73 100
43 23.3 18.2 27.4
57 24.2 19.2 28.8

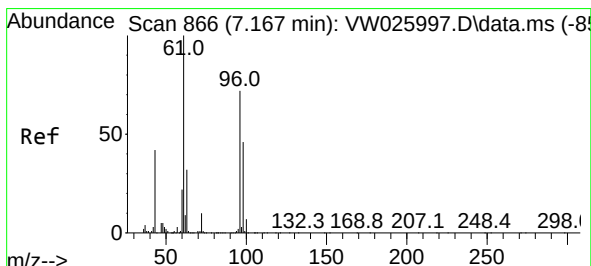
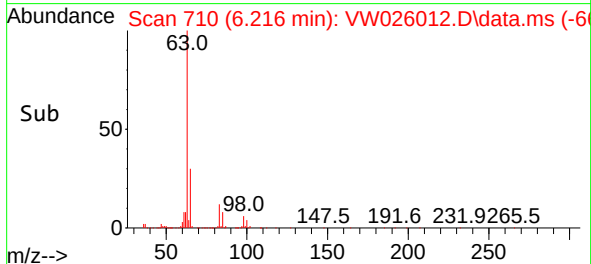
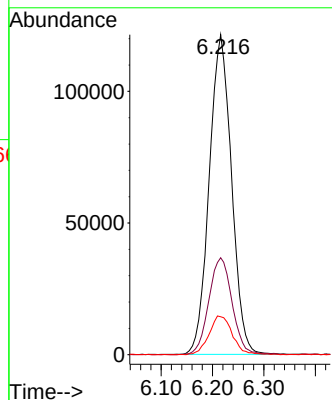
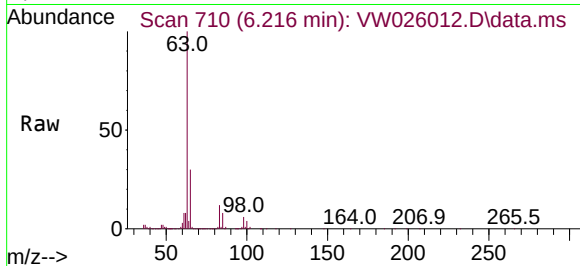




#19
 1,1-Dichloroethane
 Concen: 24.909 ug/L
 RT: 6.216 min Scan# 710
 Delta R.T. 0.006 min
 Lab File: VW026012.D
 Acq: 19 May 2023 18:04

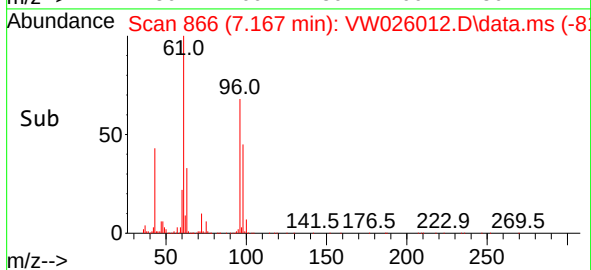
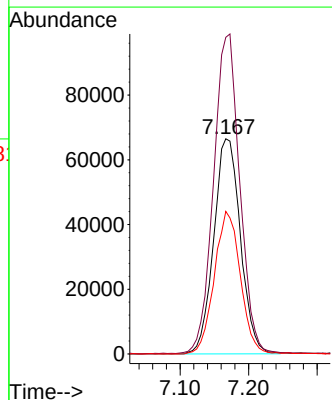
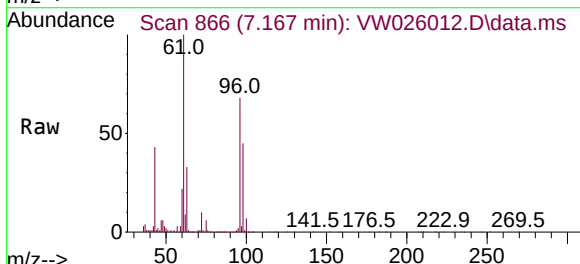
Instrument :
 MSVOA_W
 ClientSampleId :
 H0FJ2MS

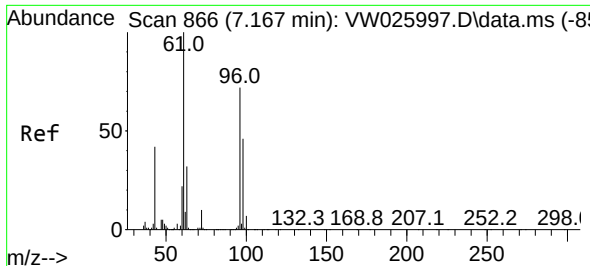
Tgt Ion: 63 Resp: 365600
 Ion Ratio Lower Upper
 63 100
 65 30.3 22.4 41.6
 83 11.8 8.7 16.1



#20
 cis-1,2-Dichloroethene
 Concen: 23.446 ug/L
 RT: 7.167 min Scan# 866
 Delta R.T. 0.000 min
 Lab File: VW026012.D
 Acq: 19 May 2023 18:04

Tgt Ion: 96 Resp: 179693
 Ion Ratio Lower Upper
 96 100
 61 147.1 98.6 183.0
 98 66.2 45.2 84.0

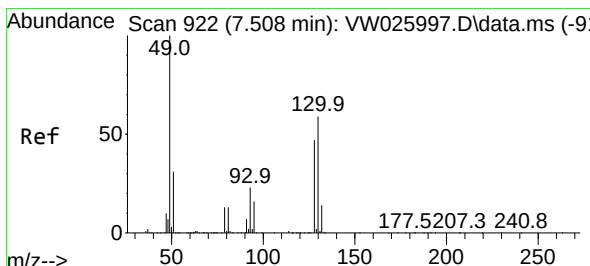
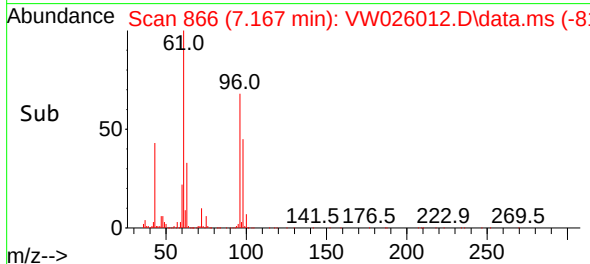
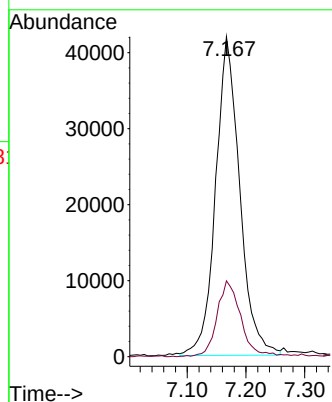
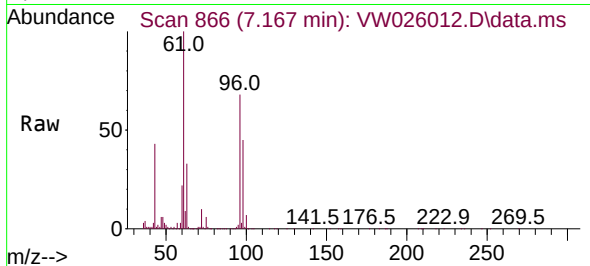




#22
2-Butanone
Concen: 42.576 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

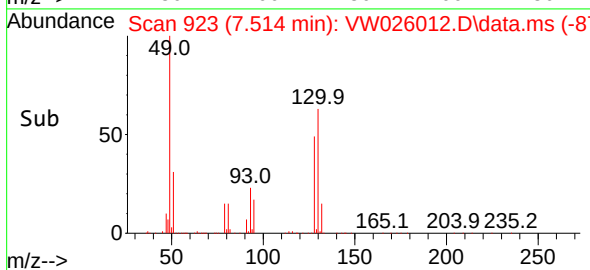
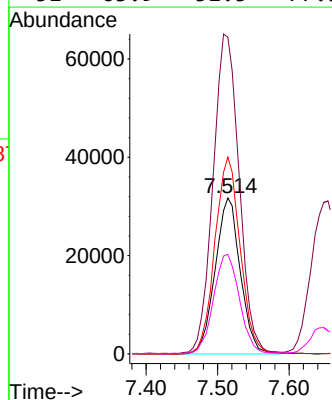
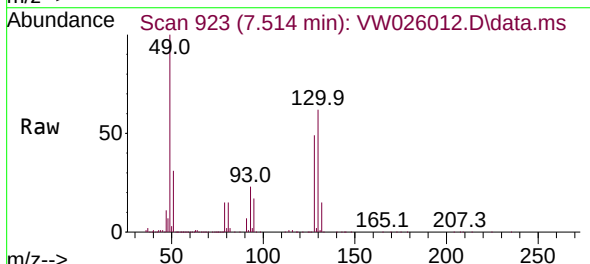
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

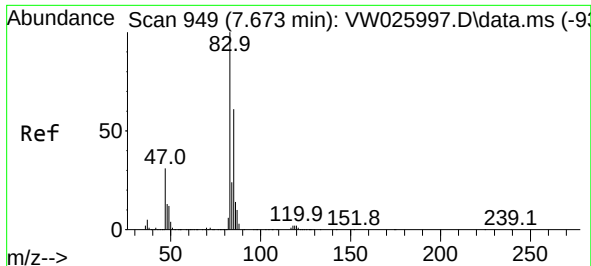
Tgt Ion: 43 Resp: 119570
Ion Ratio Lower Upper
43 100
72 22.5 11.8 35.4



#23
Bromochloromethane
Concen: 23.844 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.006 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion: 128 Resp: 77419
Ion Ratio Lower Upper
128 100
49 202.9 151.5 281.5
130 126.2 91.3 169.6
51 63.9 51.5 77.3

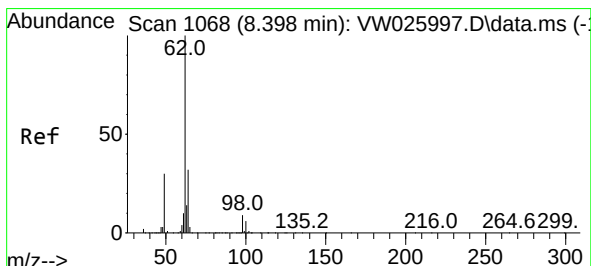
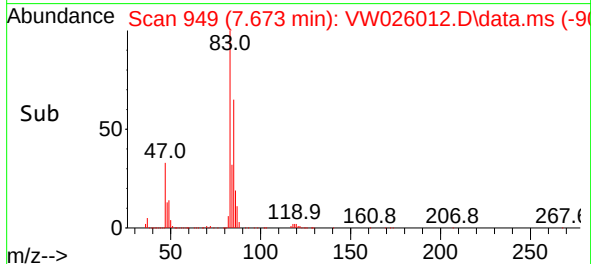
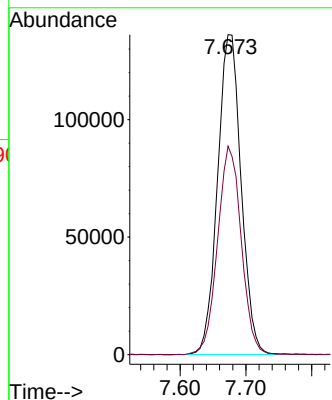
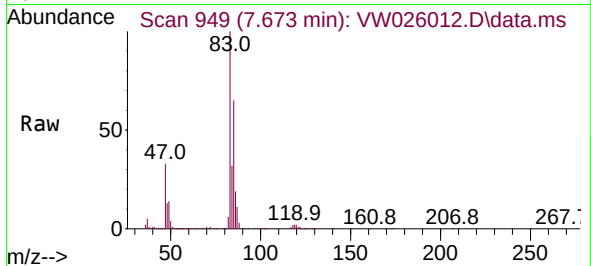




#25
Chloroform
Concen: 25.167 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

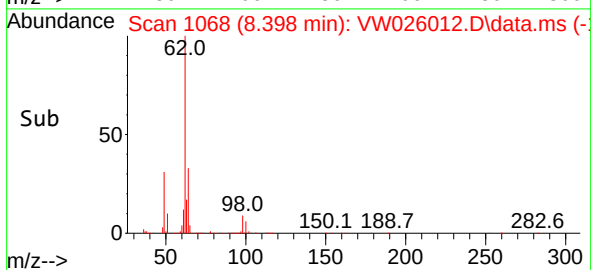
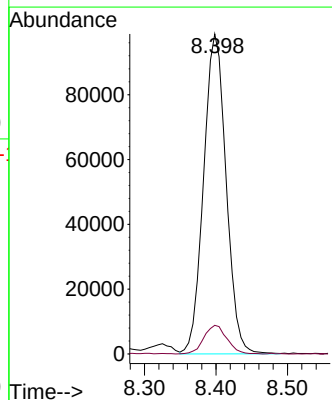
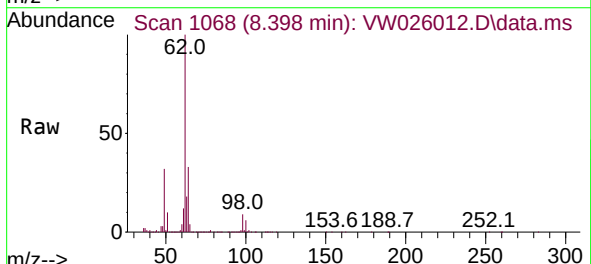
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

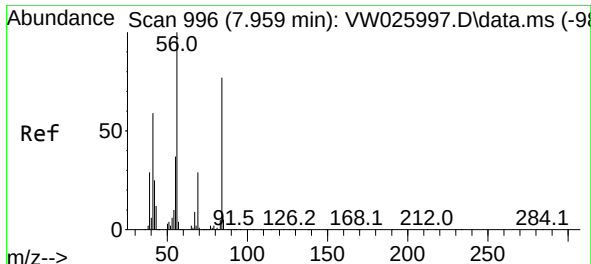
Tgt Ion: 83 Resp: 339493
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 22.543 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion: 62 Resp: 215964
Ion Ratio Lower Upper
62 100
98 8.9 7.2 10.8





#29

Cyclohexane

Concen: 21.515 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

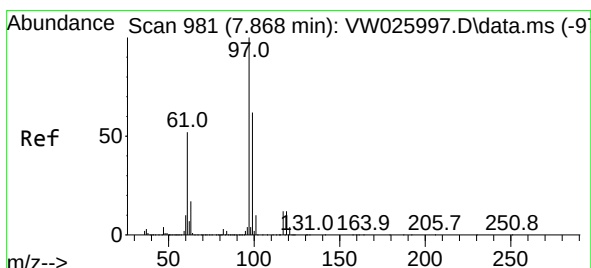
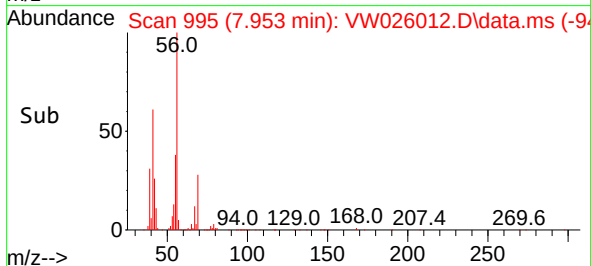
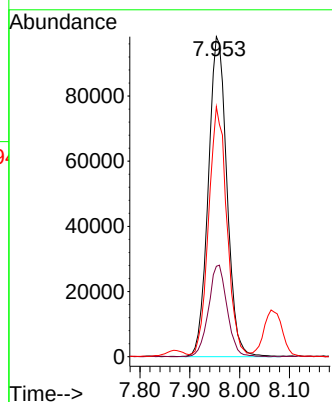
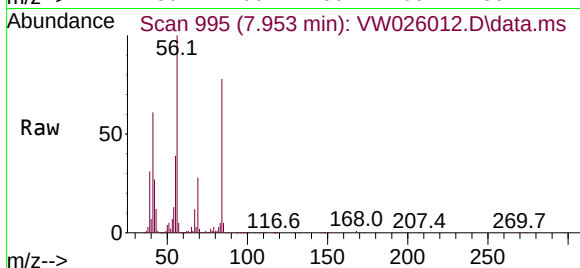
Tgt Ion: 56 Resp: 254921

Ion Ratio Lower Upper

56 100

69 28.5 23.4 35.0

84 76.3 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 29.513 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

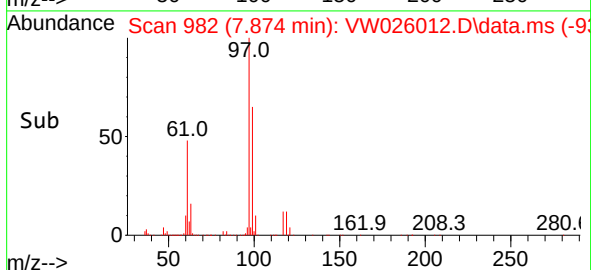
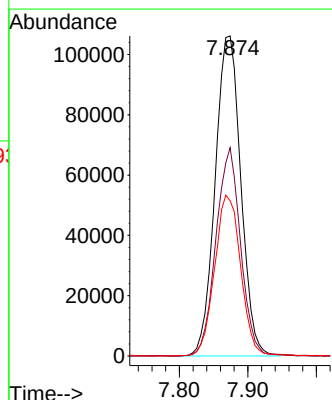
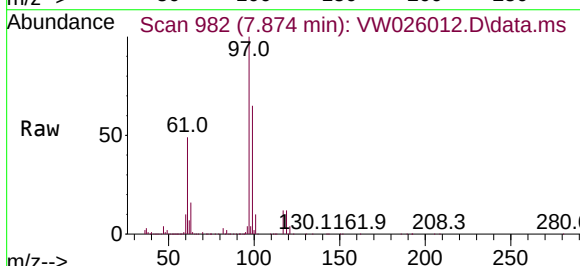
Tgt Ion: 97 Resp: 275961

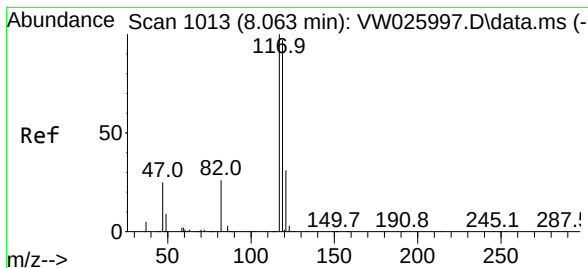
Ion Ratio Lower Upper

97 100

99 62.1 51.1 76.7

61 50.8 40.4 60.6





#31

Carbon tetrachloride

Concen: 24.947 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

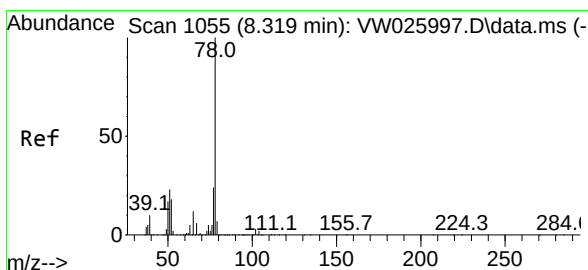
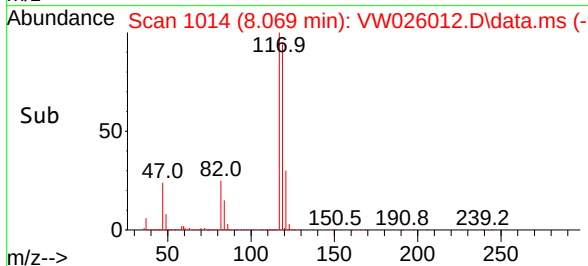
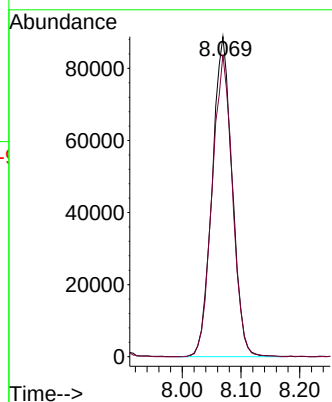
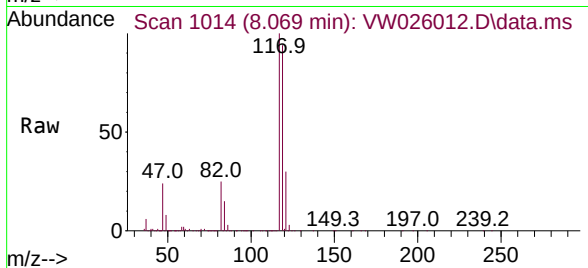
H0FJ2MS

Tgt Ion:117 Resp: 209920

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3



#33

Benzene

Concen: 27.850 ug/L

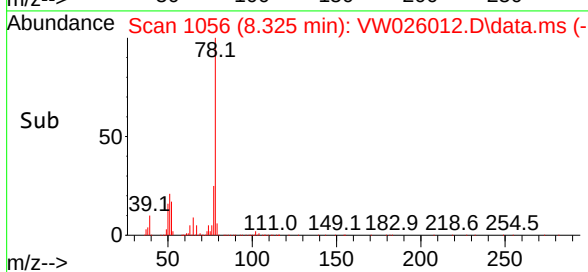
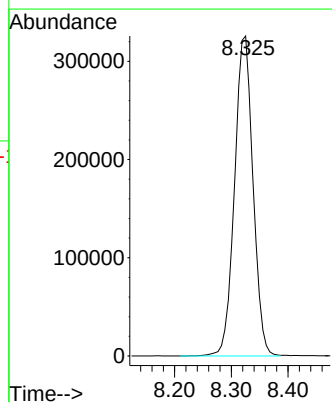
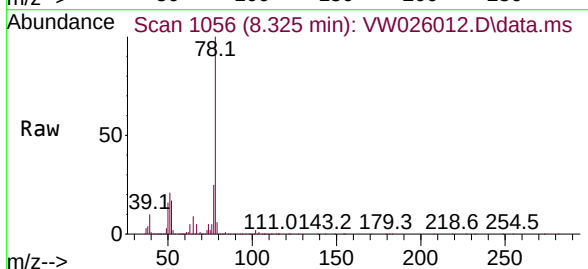
RT: 8.325 min Scan# 1056

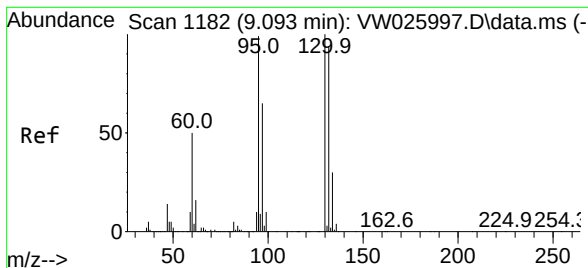
Delta R.T. 0.006 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Tgt Ion: 78 Resp: 736678





#34

Trichloroethene

Concen: 25.840 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

Tgt Ion: 95 Resp: 175398

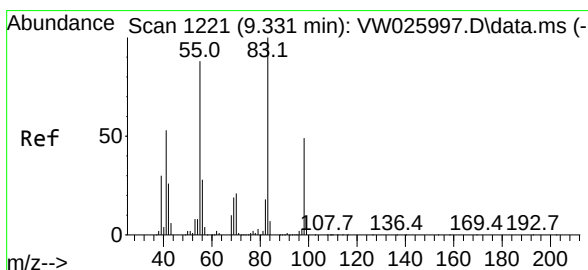
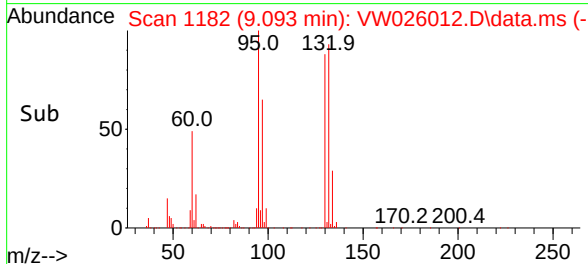
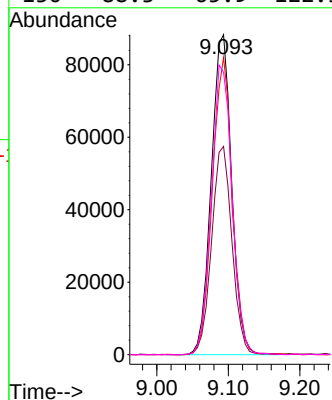
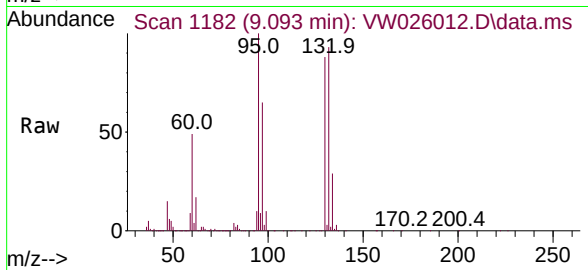
Ion Ratio Lower Upper

95 100

97 65.1 45.9 85.3

132 92.9 66.0 122.6

130 88.3 65.9 122.3



#35

Methylcyclohexane

Concen: 15.664 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

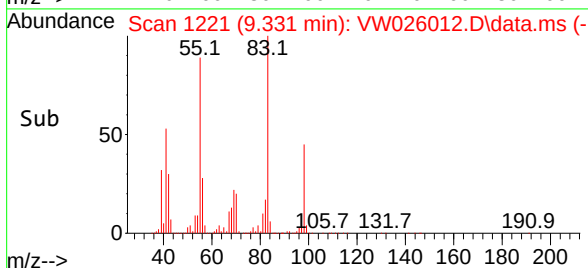
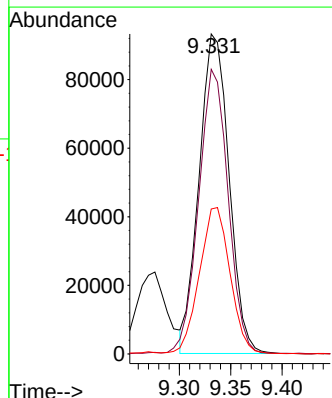
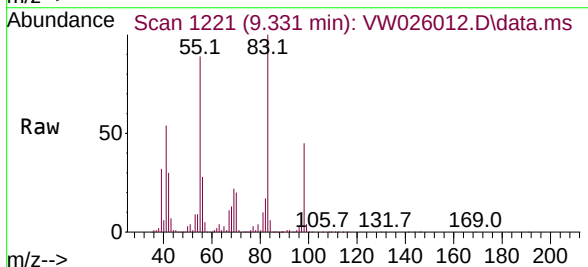
Tgt Ion: 83 Resp: 189108

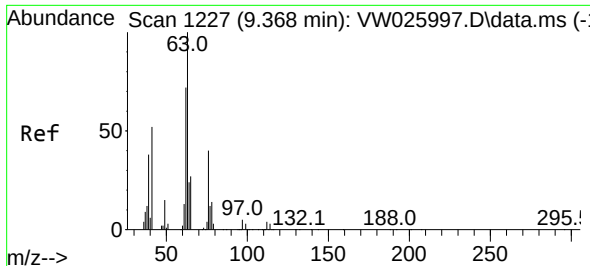
Ion Ratio Lower Upper

83 100

55 87.8 69.0 103.4

98 47.2 37.1 55.7





#37

1,2-Dichloropropane

Concen: 27.507 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

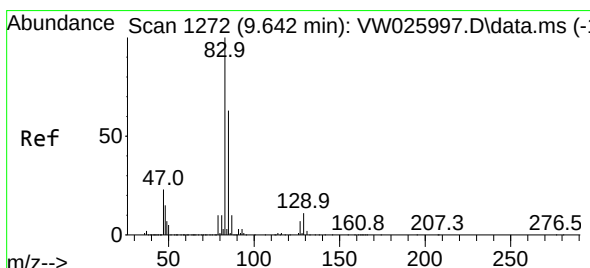
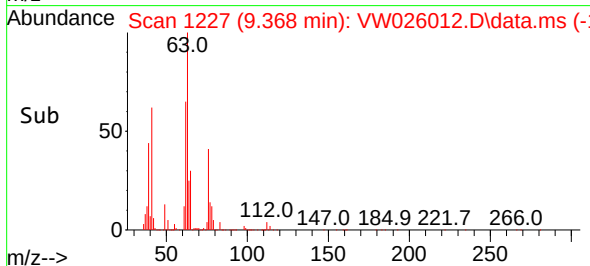
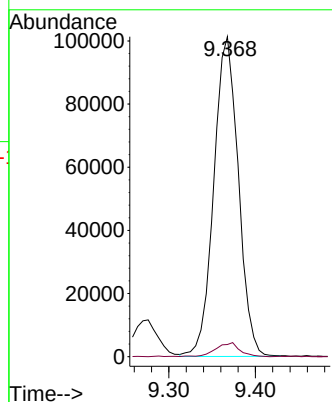
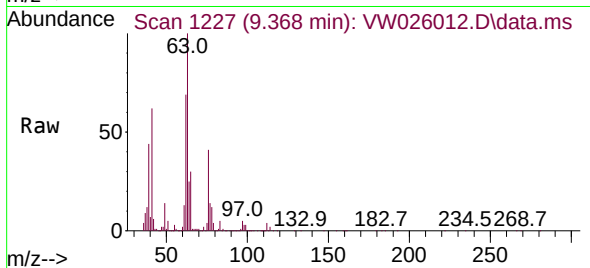
H0FJ2MS

Tgt Ion: 63 Resp: 199351

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 24.799 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

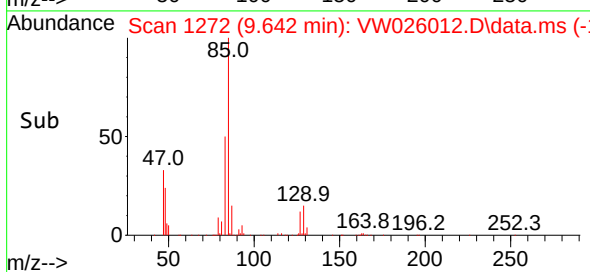
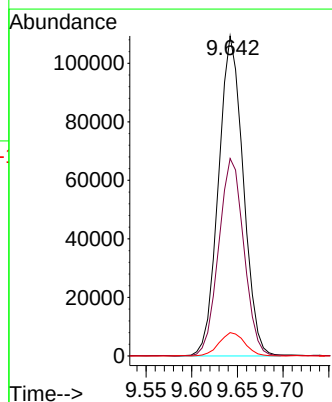
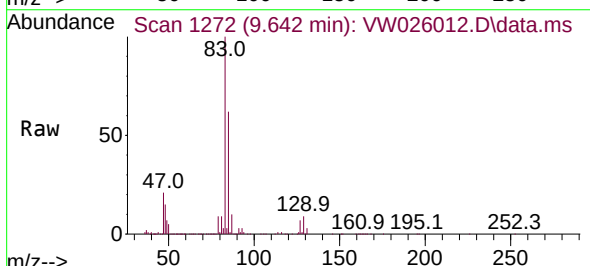
Tgt Ion: 83 Resp: 206187

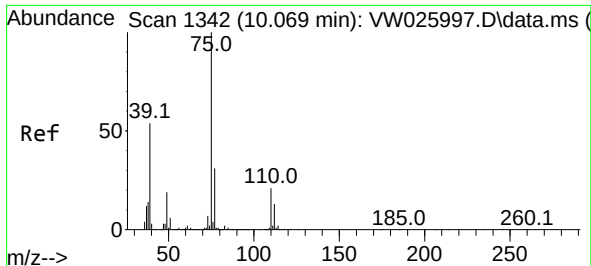
Ion Ratio Lower Upper

83 100

85 61.7 44.4 82.5

127 7.3 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 18.169 ug/L

RT: 10.075 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

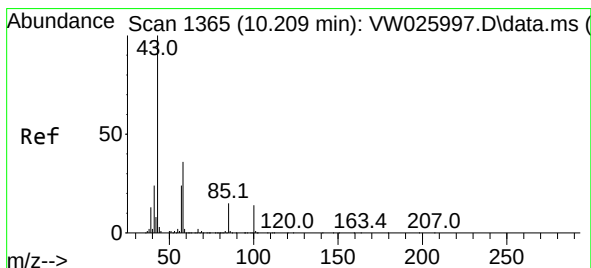
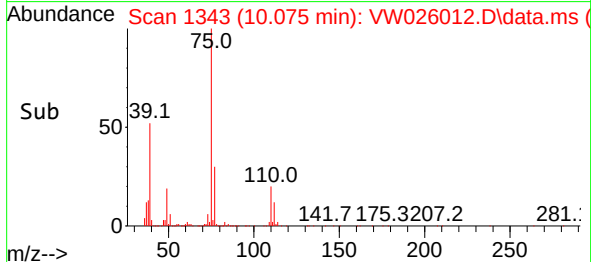
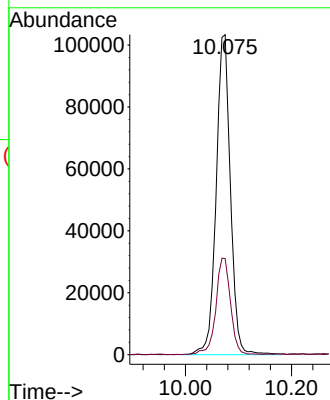
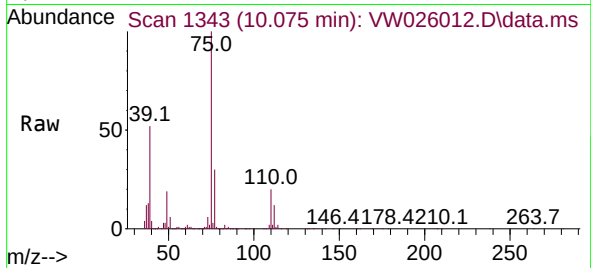
H0FJ2MS

Tgt Ion: 75 Resp: 193102

Ion Ratio Lower Upper

75 100

77 30.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 44.161 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

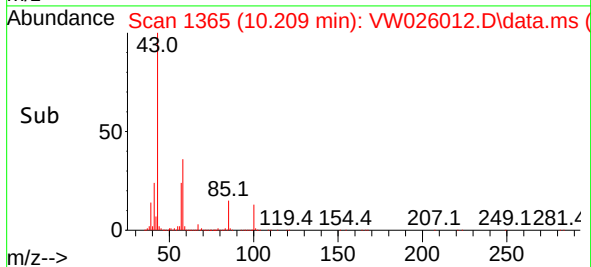
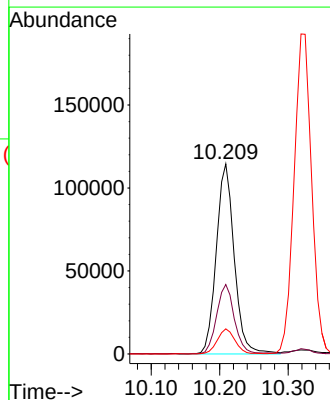
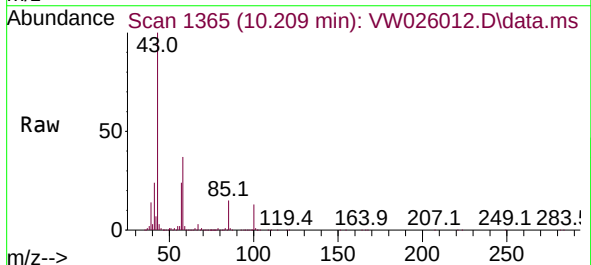
Tgt Ion: 43 Resp: 208316

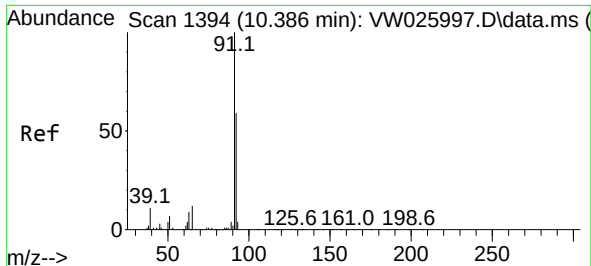
Ion Ratio Lower Upper

43 100

58 36.1 29.4 44.0

100 13.1 10.1 15.1

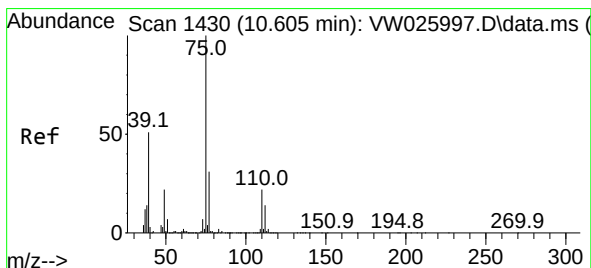
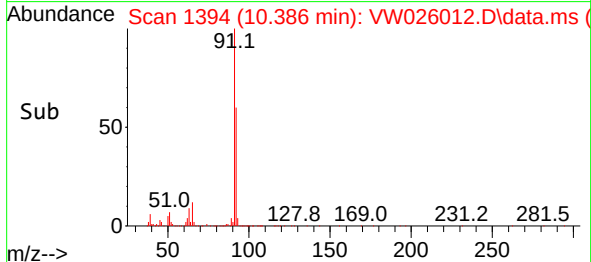
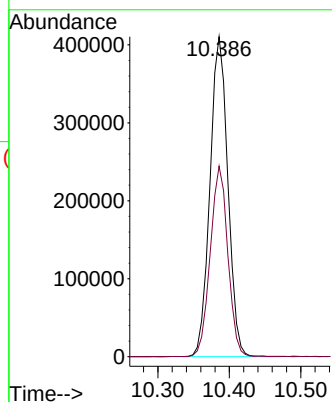
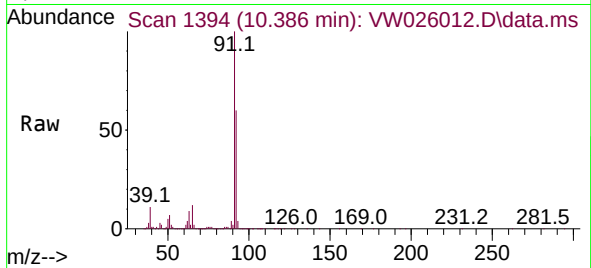




#42
Toluene
Concen: 26.356 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

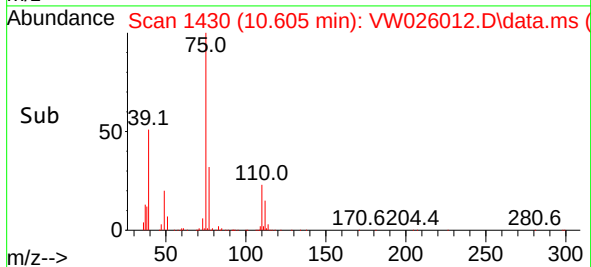
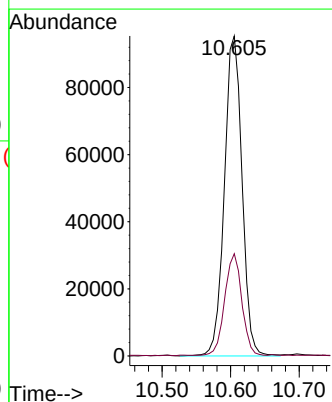
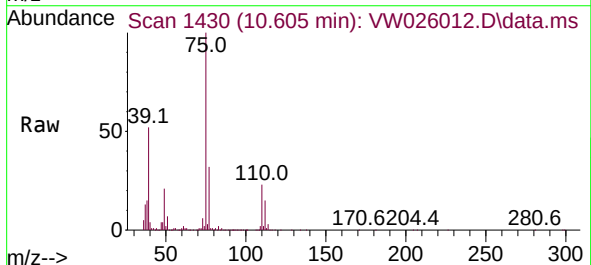
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

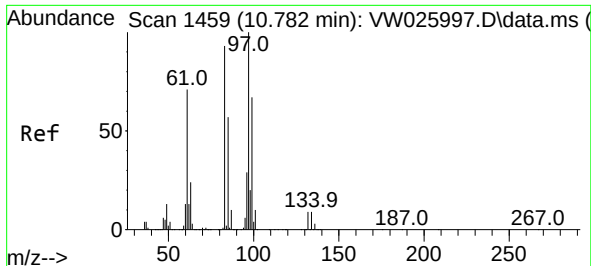
Tgt Ion: 91 Resp: 712341
Ion Ratio Lower Upper
91 100
92 59.6 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 19.352 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion: 75 Resp: 170415
Ion Ratio Lower Upper
75 100
77 32.0 21.8 40.4



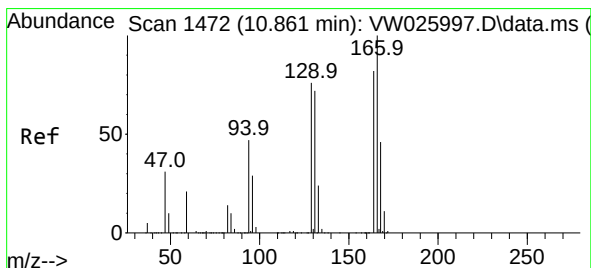
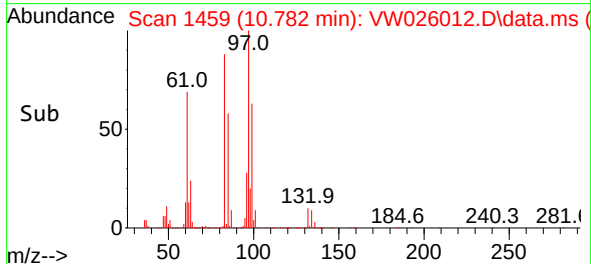
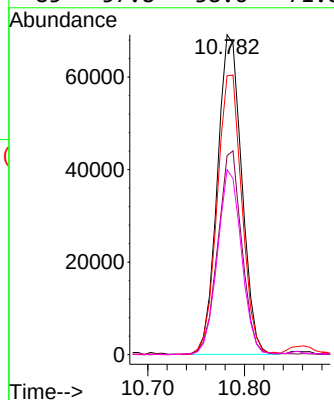
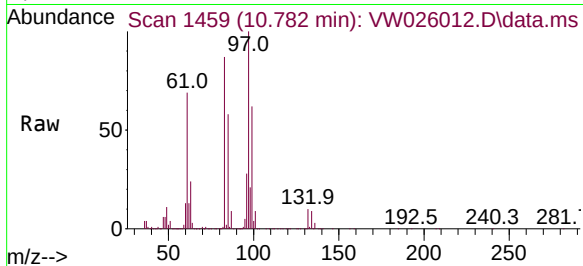


#45
1,1,2-Trichloroethane
Concen: 25.013 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

Tgt Ion: 97 Resp: 121259

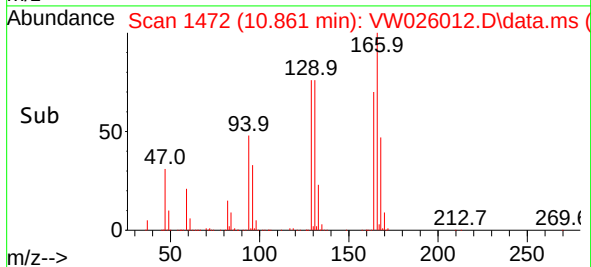
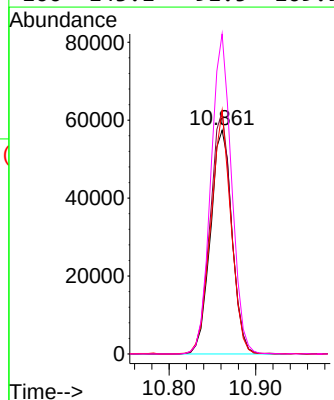
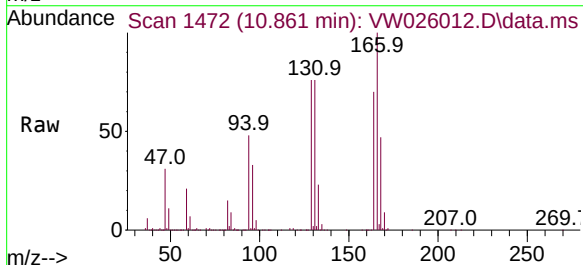
Ion	Ratio	Lower	Upper
97	100		
99	62.2	44.5	82.7
83	87.2	63.0	117.0
85	57.8	38.6	71.8

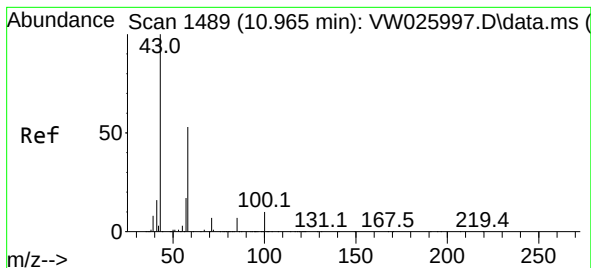


#46
Tetrachloroethene
Concen: 20.769 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion: 164 Resp: 99179

Ion	Ratio	Lower	Upper
164	100		
129	108.4	74.3	138.1
131	108.9	71.3	132.3
166	143.1	91.5	169.9





#48

2-Hexanone

Concen: 42.785 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

Tgt Ion: 43 Resp: 144587

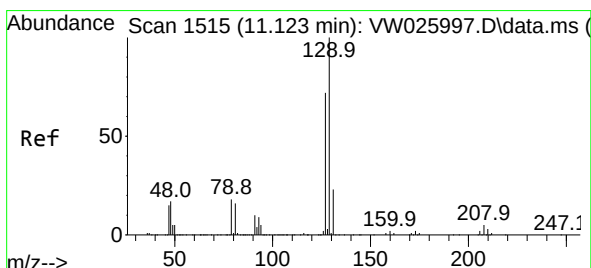
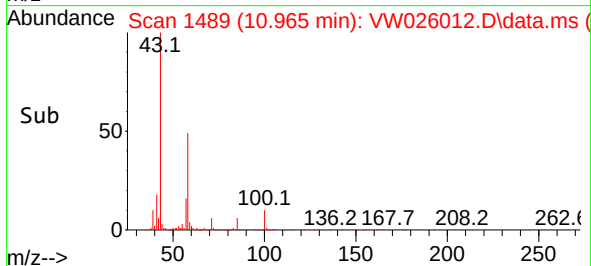
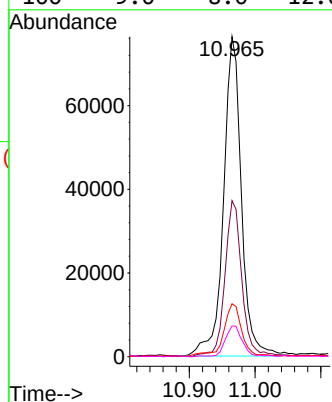
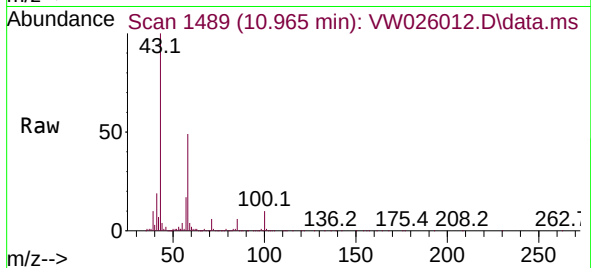
Ion Ratio Lower Upper

43 100

58 46.5 40.8 61.2

57 14.2 13.6 20.4

100 9.0 8.0 12.0



#49

Dibromochloromethane

Concen: 21.703 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW026012.D

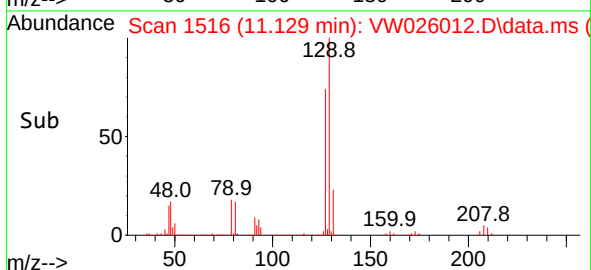
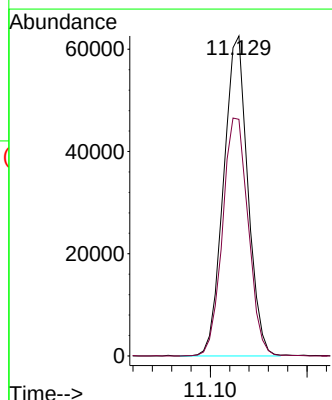
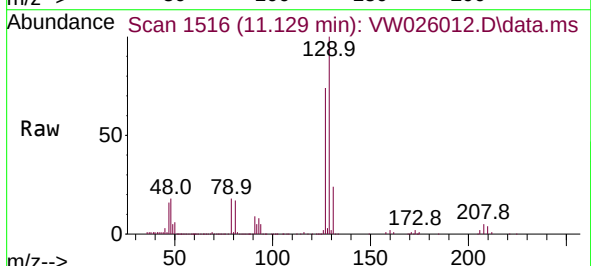
Acq: 19 May 2023 18:04

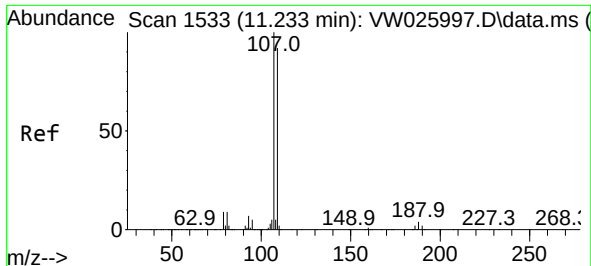
Tgt Ion:129 Resp: 108925

Ion Ratio Lower Upper

129 100

127 73.9 56.1 104.3

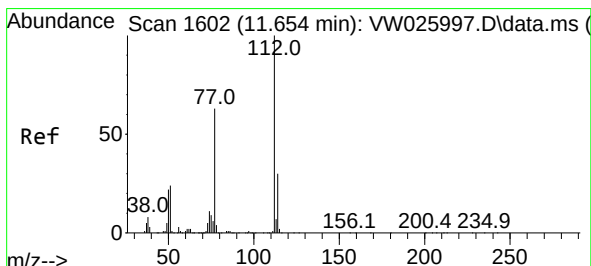
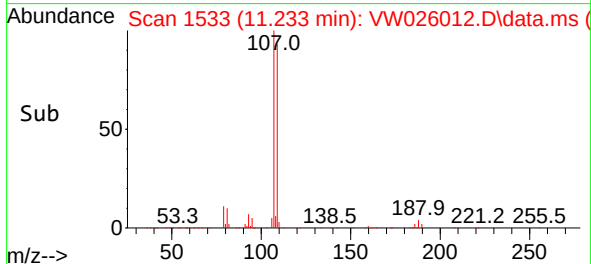
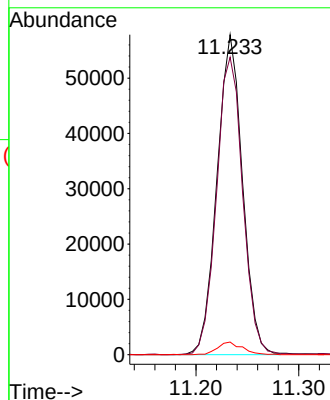
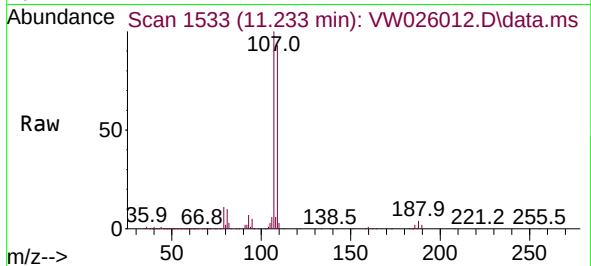




#50
1,2-Dibromoethane
Concen: 22.289 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

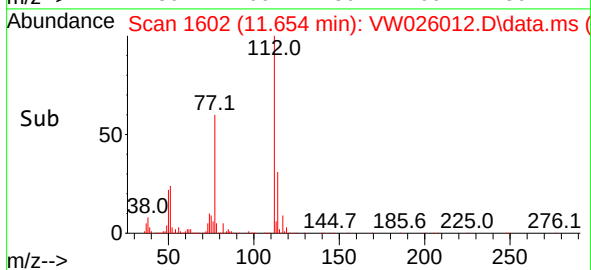
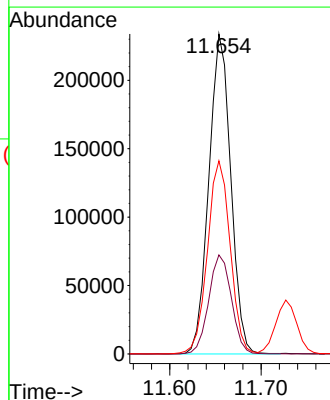
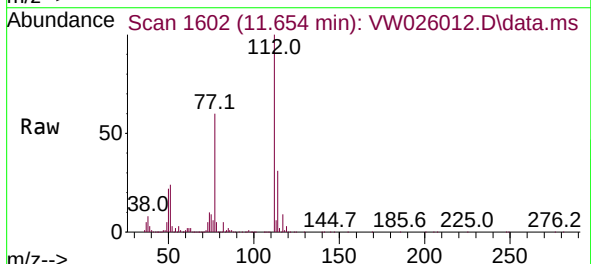
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

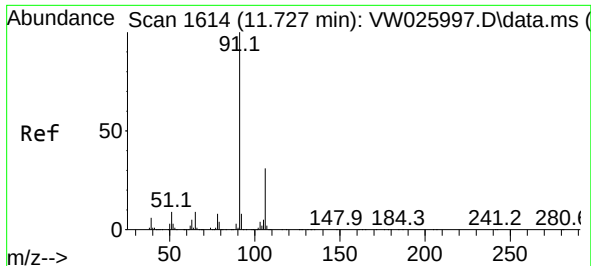
Tgt Ion:	107	Resp:	99610
Ion	Ratio	Lower	Upper
107	100		
109	92.9	67.5	125.4
188	3.9	2.6	4.0



#51
Chlorobenzene
Concen: 23.236 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion:	112	Resp:	389059
Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.7	42.3
77	60.3	53.0	79.6

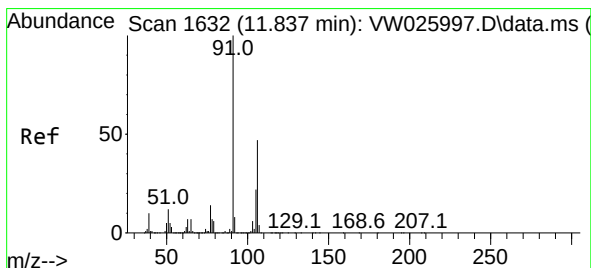
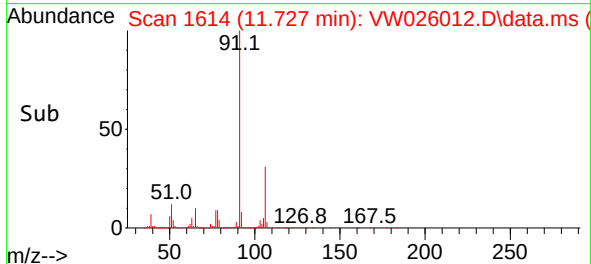
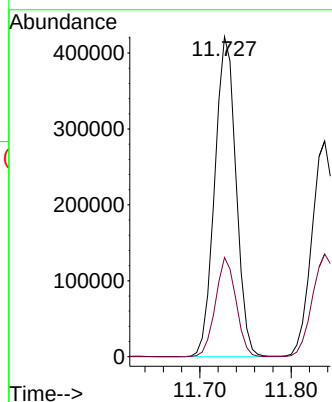
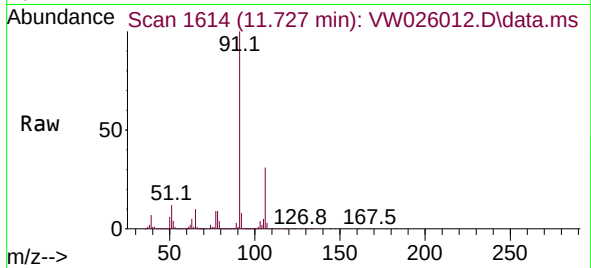




#52
Ethylbenzene
Concen: 22.501 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

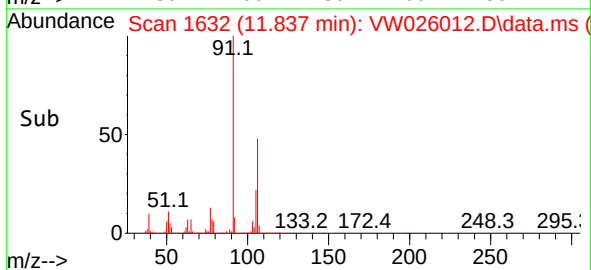
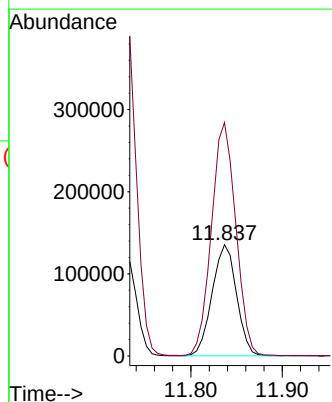
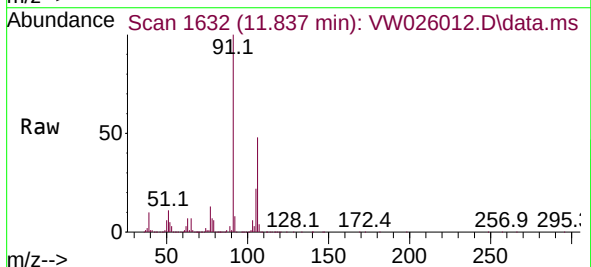
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

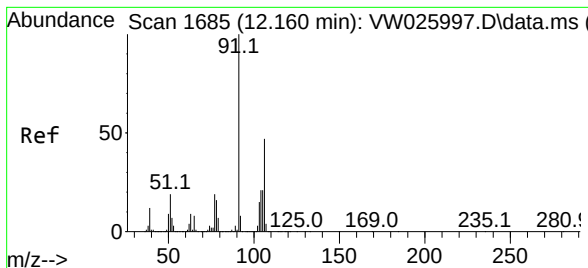
Tgt Ion: 91 Resp: 684101
Ion Ratio Lower Upper
91 100
106 31.0 20.8 38.6



#53
m,p-Xylene
Concen: 22.418 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion:106 Resp: 250851
Ion Ratio Lower Upper
106 100
91 209.9 150.1 278.9

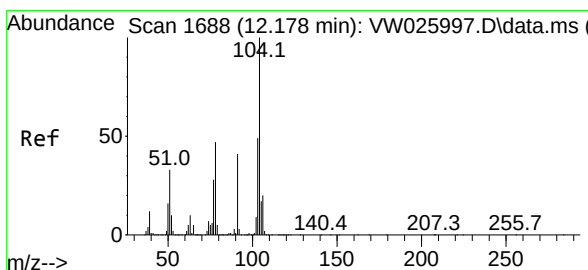
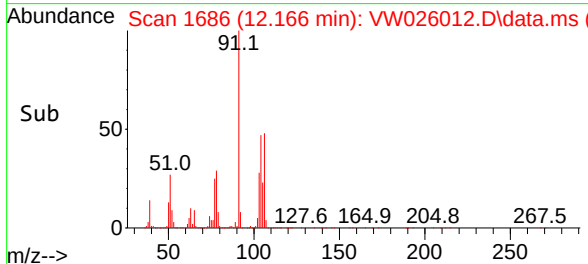
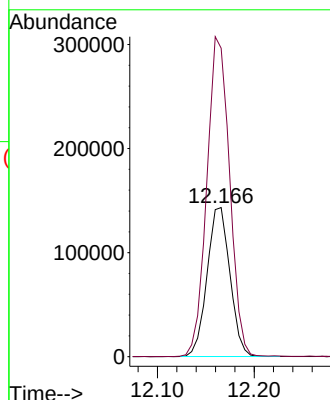
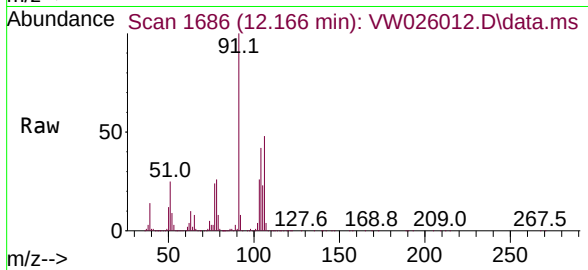




#54
o-Xylene
Concen: 22.337 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

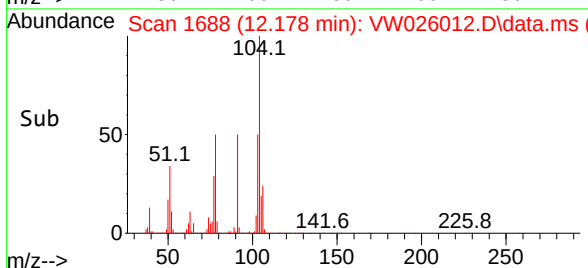
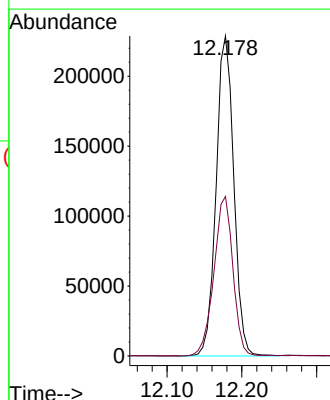
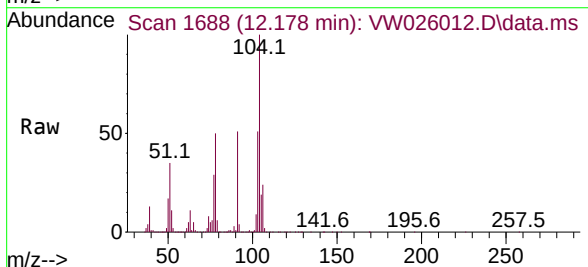
Instrument :
MSVOA_W
ClientSampleId :
H0FJ2MS

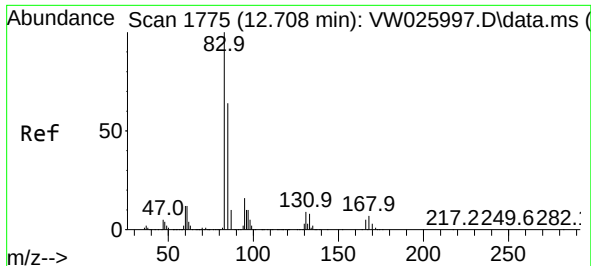
Tgt Ion:106 Resp: 235587
Ion Ratio Lower Upper
106 100
91 206.9 157.8 293.1



#55
Styrene
Concen: 20.813 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026012.D
Acq: 19 May 2023 18:04

Tgt Ion:104 Resp: 375721
Ion Ratio Lower Upper
104 100
78 49.9 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 21.456 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

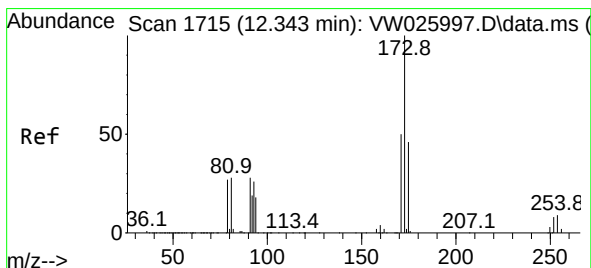
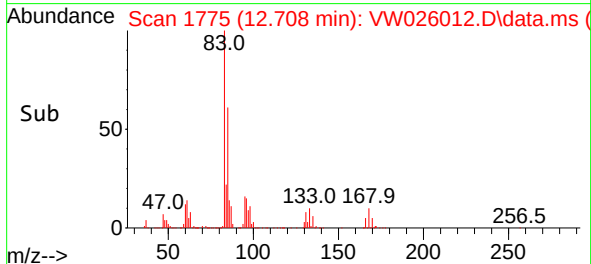
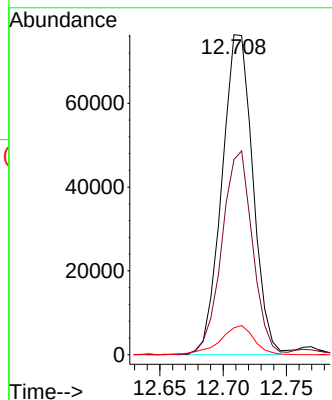
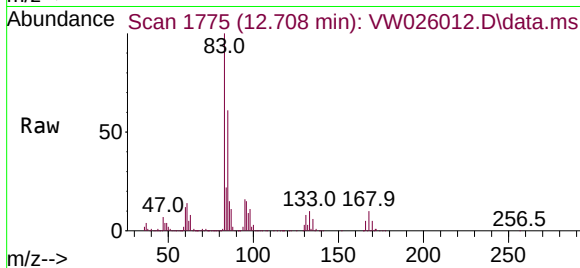
Tgt Ion: 83 Resp: 129790

Ion Ratio Lower Upper

83 100

85 61.0 45.6 84.8

131 8.4 8.1 12.1



#59

Bromoform

Concen: 28.249 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

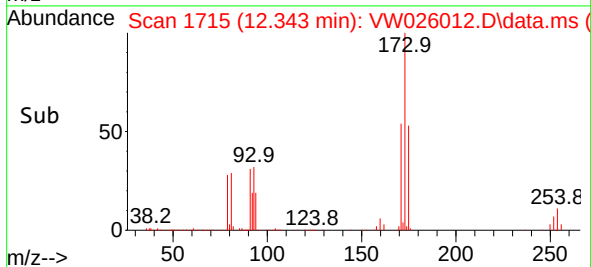
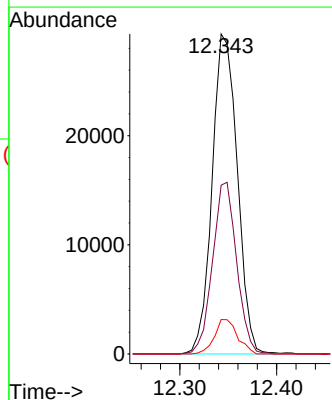
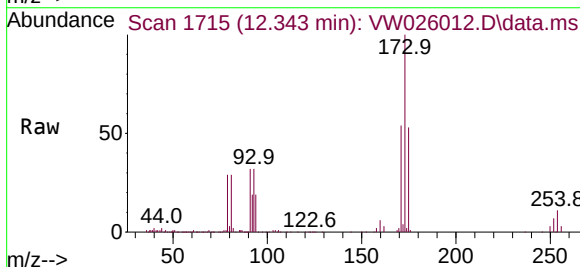
Tgt Ion: 173 Resp: 53019

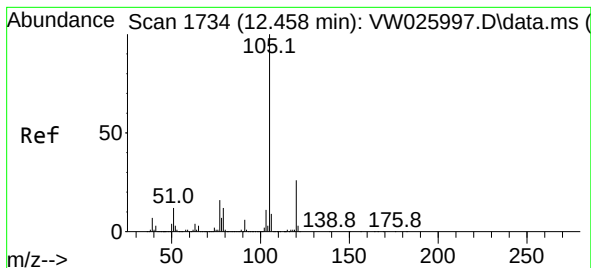
Ion Ratio Lower Upper

173 100

175 51.3 38.6 57.8

254 9.8 7.6 11.4





#60

Isopropylbenzene

Concen: 29.723 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

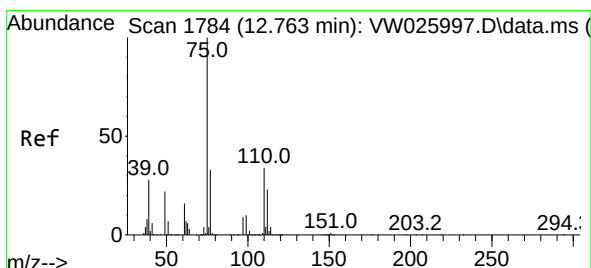
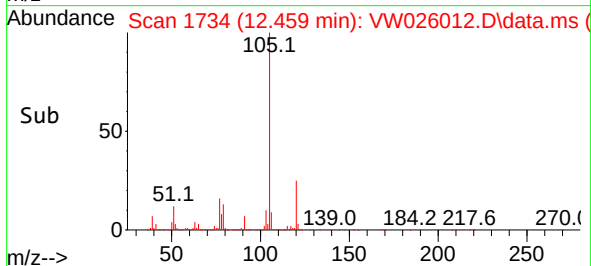
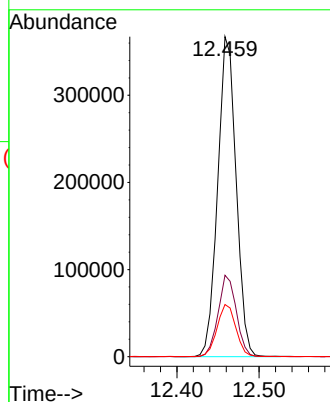
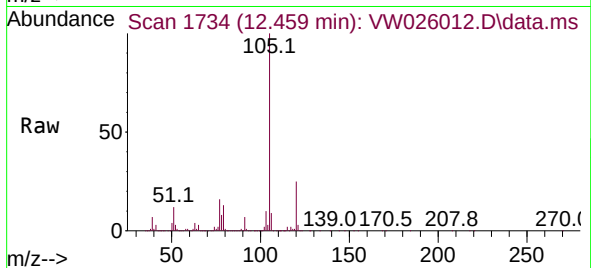
Tgt Ion:105 Resp: 572487

Ion Ratio Lower Upper

105 100

120 25.1 21.1 31.7

77 16.6 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 33.034 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

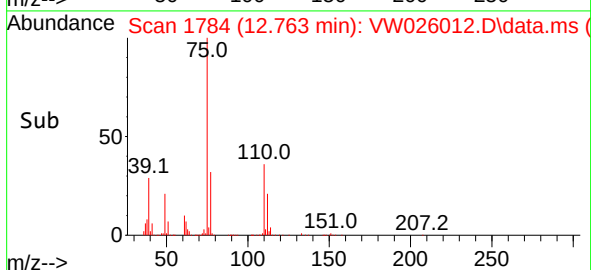
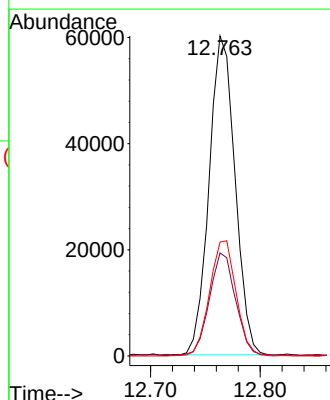
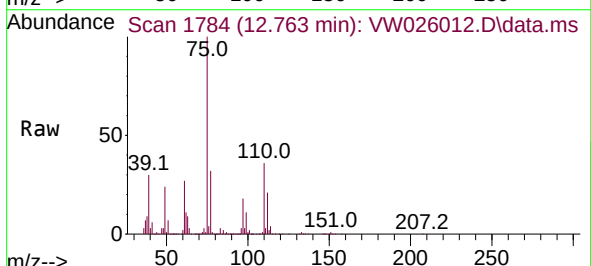
Tgt Ion: 75 Resp: 98924

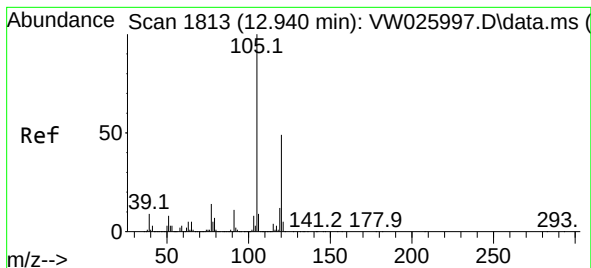
Ion Ratio Lower Upper

75 100

77 32.5 25.2 37.8

110 36.9 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 25.760 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

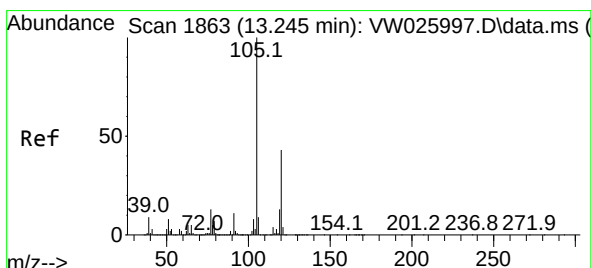
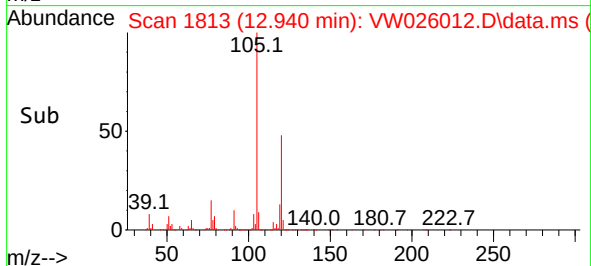
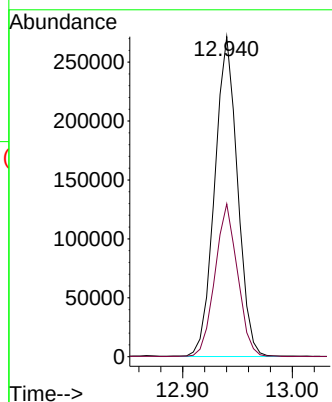
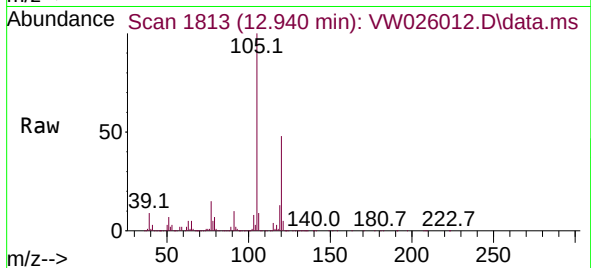
H0FJ2MS

Tgt Ion:105 Resp: 392986

Ion Ratio Lower Upper

105 100

120 47.4 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 25.427 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026012.D

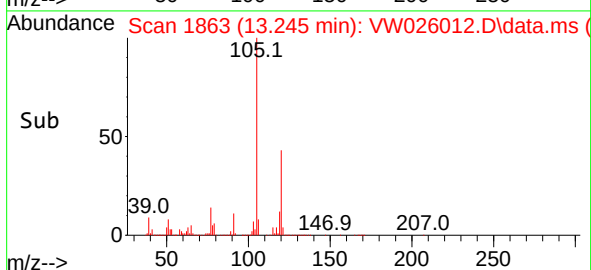
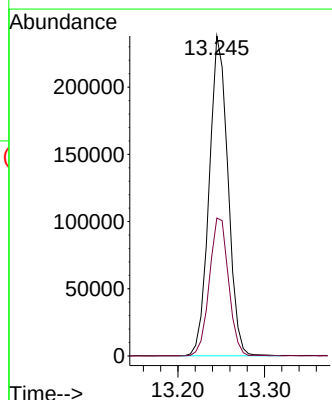
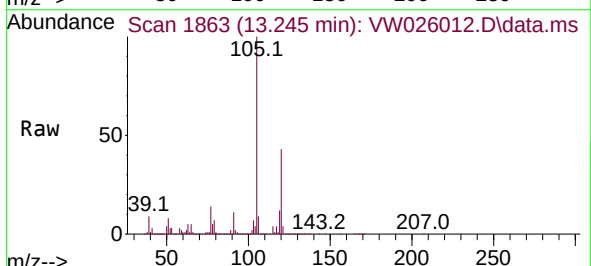
Acq: 19 May 2023 18:04

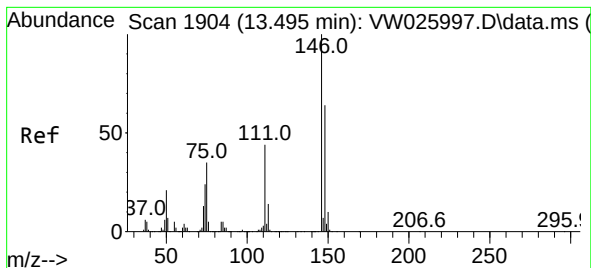
Tgt Ion:105 Resp: 357948

Ion Ratio Lower Upper

105 100

120 44.1 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 22.473 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

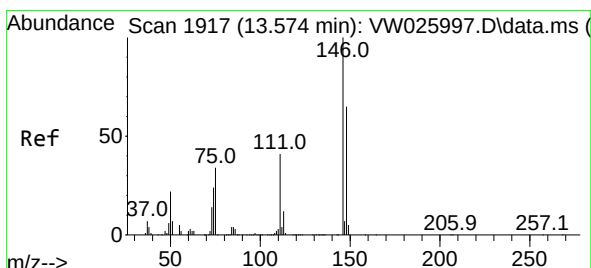
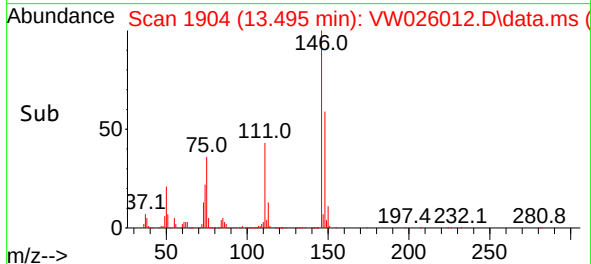
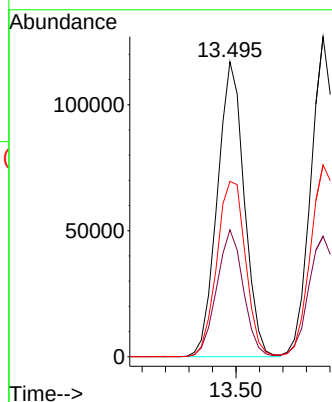
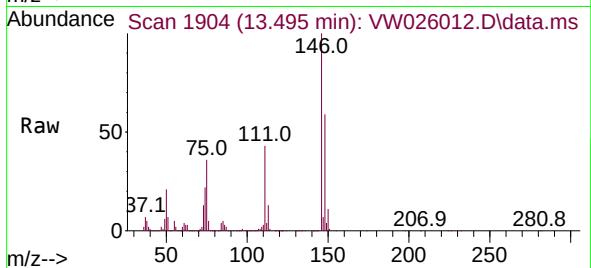
Tgt Ion:146 Resp: 186336

Ion Ratio Lower Upper

146 100

111 43.0 30.4 56.4

148 59.4 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 22.898 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

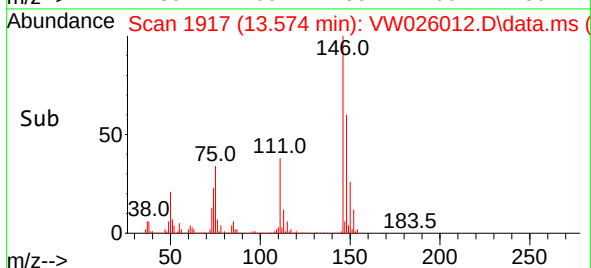
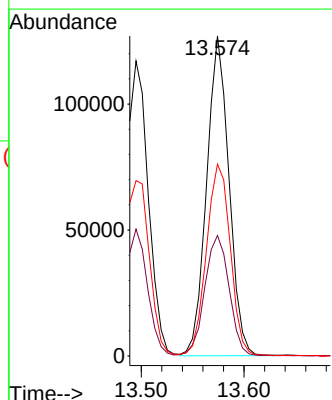
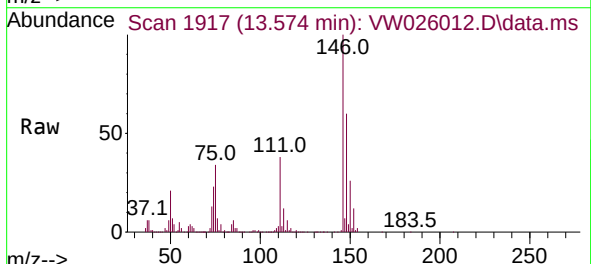
Tgt Ion:146 Resp: 191814

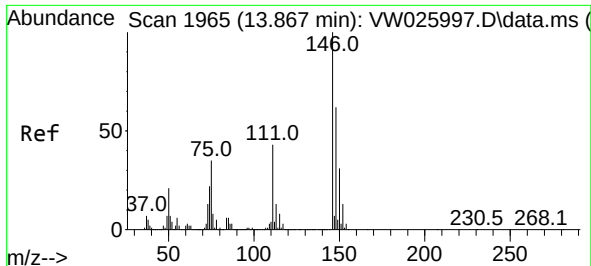
Ion Ratio Lower Upper

146 100

111 37.7 27.9 51.9

148 60.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 21.950 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

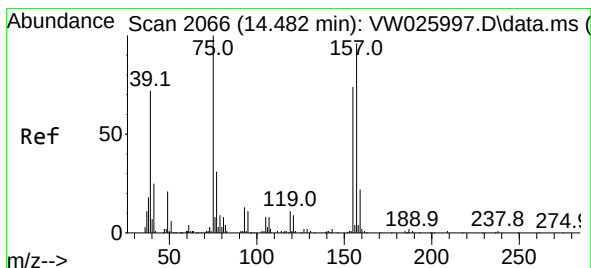
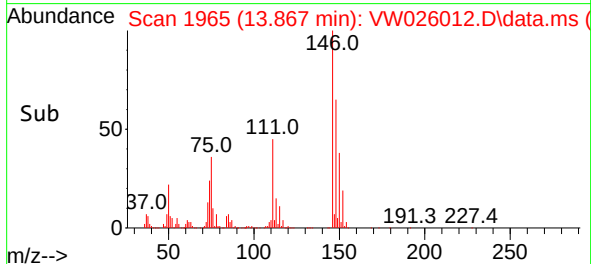
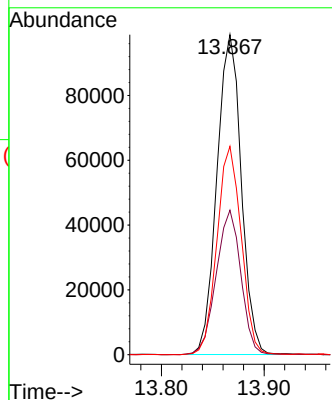
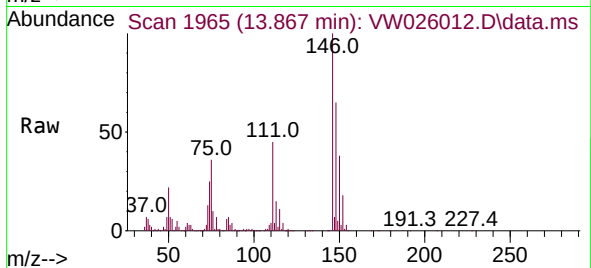
Tgt Ion:146 Resp: 162310

Ion Ratio Lower Upper

146 100

111 45.2 37.7 56.5

148 65.1 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 26.750 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

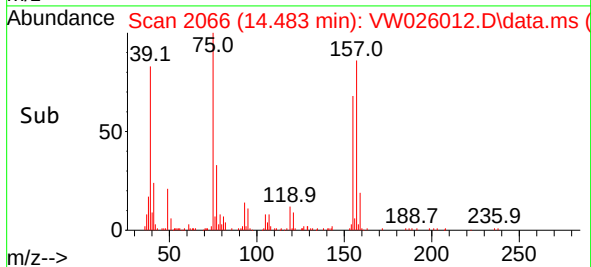
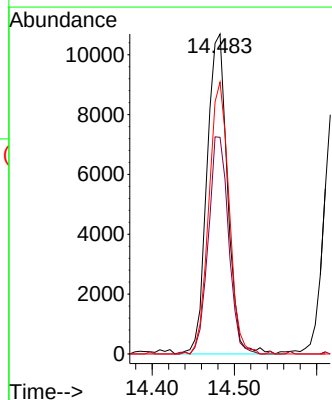
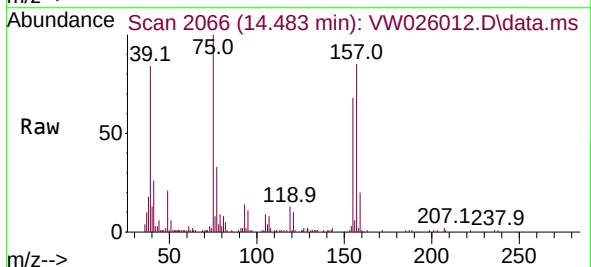
Tgt Ion: 75 Resp: 18576

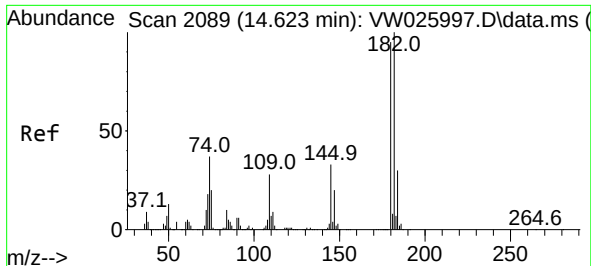
Ion Ratio Lower Upper

75 100

155 67.7 56.3 84.5

157 84.9 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 12.691 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

Tgt Ion:180 Resp: 69848

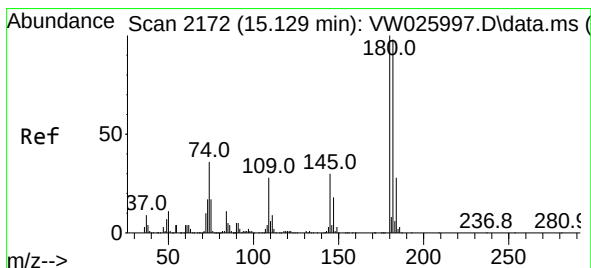
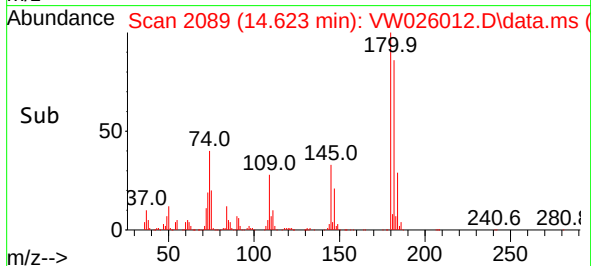
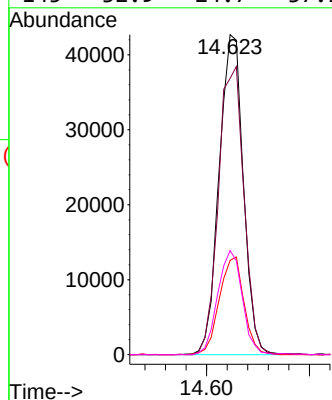
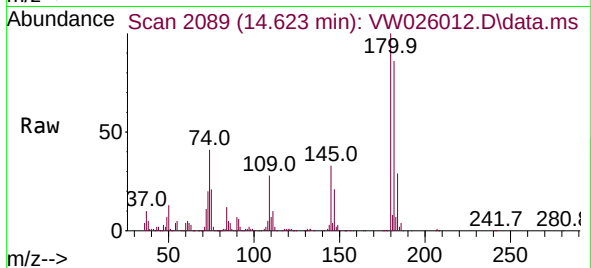
Ion Ratio Lower Upper

180 100

182 95.0 77.4 116.0

184 31.0 24.7 37.1

145 32.9 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 10.644 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

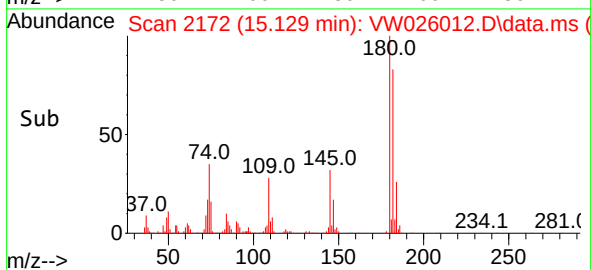
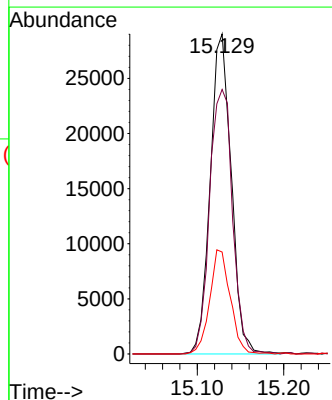
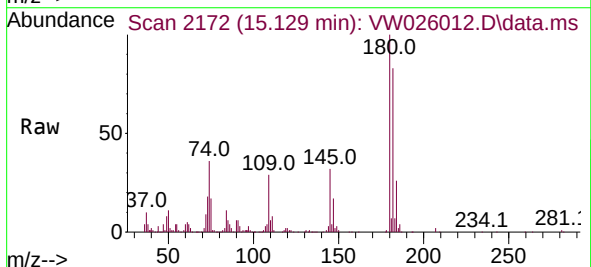
Tgt Ion:180 Resp: 49080

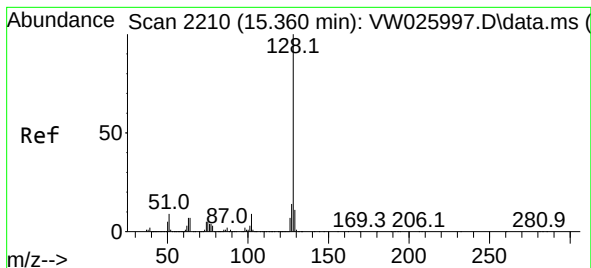
Ion Ratio Lower Upper

180 100

182 89.4 74.3 111.5

145 31.6 25.4 38.0





#71

Naphthalene

Concen: 12.160 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Instrument :

MSVOA_W

ClientSampleId :

H0FJ2MS

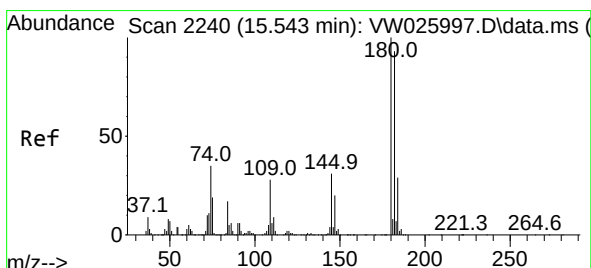
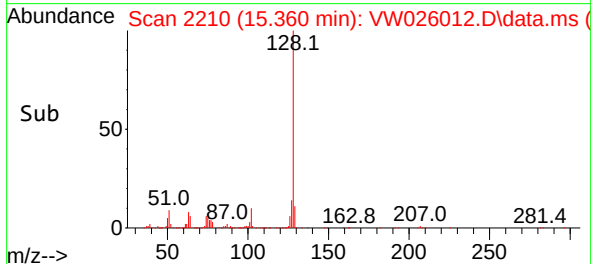
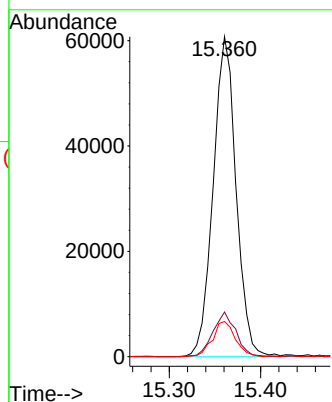
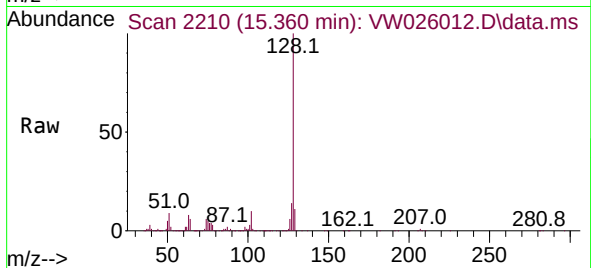
Tgt Ion:128 Resp: 105828

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 9.818 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW026012.D

Acq: 19 May 2023 18:04

Tgt Ion:180 Resp: 40167

Ion Ratio Lower Upper

180 100

182 92.1 76.1 114.1

145 33.2 28.0 42.0

