

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052523\
 Data File : VW026035.D
 Acq On : 25 May 2023 09:10
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025498

Quant Time: May 26 00:27:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 25 00:24:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	568069	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	519243	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	275126	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	164722	20.463	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.840%
7) Chloroethane-d5	2.893	69	145132	24.318	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.280%
11) 1,1-Dichloroethene-d2	4.015	65	84706	21.014	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.040%
21) 2-Butanone-d5	7.075	46	144003	54.112	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.220%
24) Chloroform-d	7.648	84	440766	26.908	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.640%
26) 1,2-Dichloroethane-d4	8.307	65	233619	25.222	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.880%
32) Benzene-d6	8.270	84	822884	24.254	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	9.276	67	277069	25.523	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.080%
41) Toluene-d8	10.325	98	708159	23.407	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.640%
43) trans-1,3-Dichloroprop...	10.575	79	102328	23.255	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.000%
47) 2-Hexanone-d5	10.922	63	97399	52.617	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.240%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	228984	27.675	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.720%
66) 1,2-Dichlorobenzene-d4	13.848	152	242580	24.187	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	187922	29.610	ug/L	93
3) Chloromethane	2.222	50	238591	25.497	ug/L	98
5) Vinyl chloride	2.375	62	279199	28.826	ug/L	96
6) Bromomethane	2.789	94	147609	28.020	ug/L	99
8) Chloroethane	2.930	64	158352	28.752	ug/L	99
9) Trichlorofluoromethane	3.265	101	178383	24.404	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	239210	30.091	ug/L	99
12) 1,1-Dichloroethene	4.045	96	219166	28.848	ug/L	85
13) Acetone	4.118	43	128334	54.386	ug/L	99
14) Carbon disulfide	4.387	76	644655	25.091	ug/L	98
15) Methyl Acetate	4.673	43	120651	25.946	ug/L	100
16) Methylene chloride	4.917	84	252011	21.511	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	230578	27.820	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	356095	28.308	ug/L	99
19) 1,1-Dichloroethane	6.216	63	500444	29.389	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	255342	28.716	ug/L	98
22) 2-Butanone	7.173	43	167054	51.270	ug/L	99
23) Bromochloromethane	7.520	128	108913	28.913	ug/L	86
25) Chloroform	7.679	83	468047	29.906	ug/L	97

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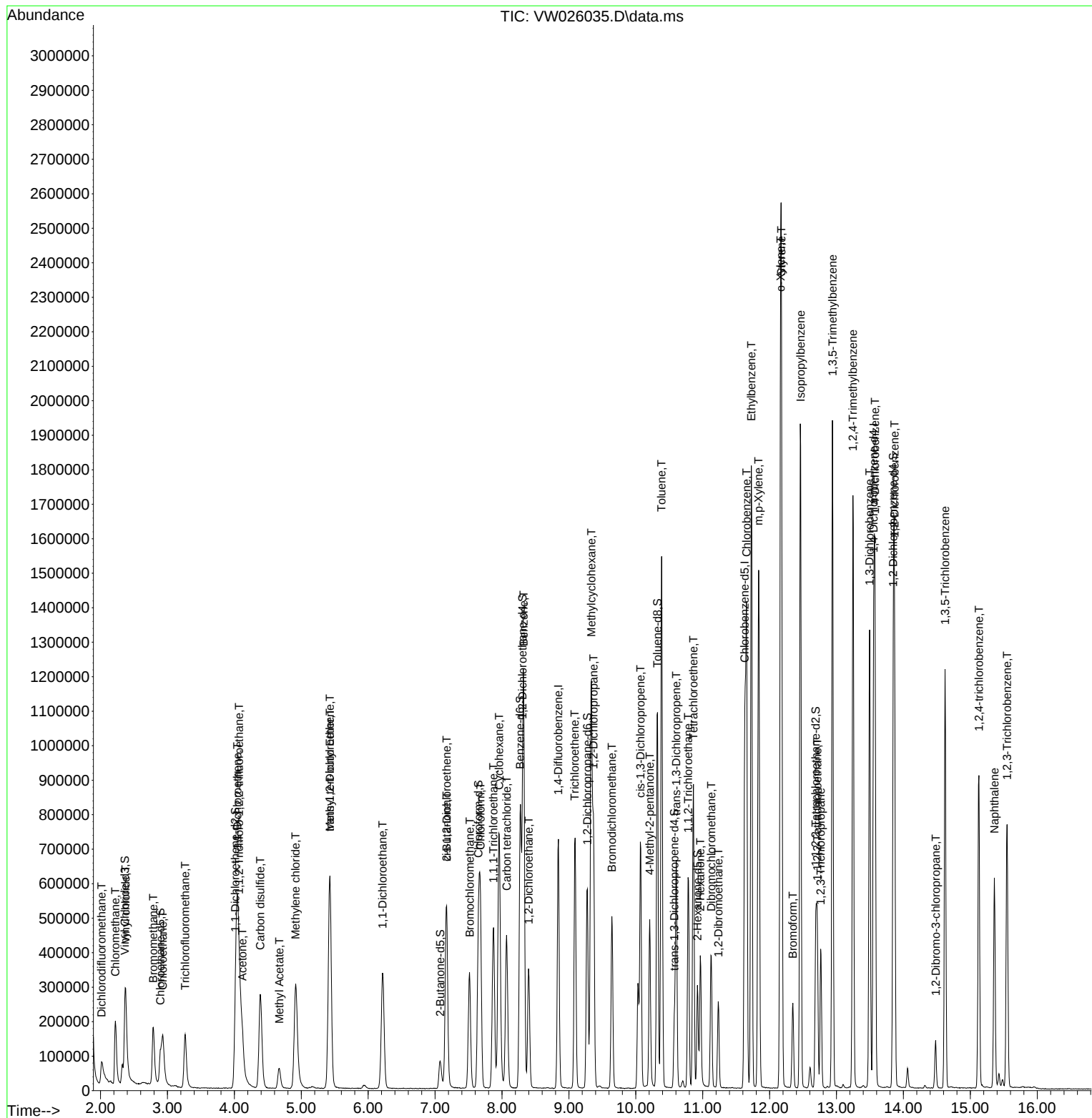
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	313098	28.169	ug/L	100
29) Cyclohexane	7.959	56	435850	27.087	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	373479	29.411	ug/L	99
31) Carbon tetrachloride	8.069	117	334665	29.285	ug/L	100
33) Benzene	8.325	78	1037854	28.890	ug/L	100
34) Trichloroethene	9.087	95	257364	27.919	ug/L	96
35) Methylcyclohexane	9.337	83	450066	27.451	ug/L	99
37) 1,2-Dichloropropane	9.367	63	288887	29.352	ug/L	99
38) Bromodichloromethane	9.642	83	332731	29.467	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	412239	28.561	ug/L	97
40) 4-Methyl-2-pentanone	10.209	43	337992	52.758	ug/L	99
42) Toluene	10.386	91	1072561	29.220	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	345860	28.919	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	188363	28.610	ug/L	99
46) Tetrachloroethene	10.861	164	188376	29.047	ug/L	95
48) 2-Hexanone	10.965	43	260227	56.701	ug/L	97
49) Dibromochloromethane	11.129	129	200208	29.373	ug/L	95
50) 1,2-Dibromoethane	11.233	107	166168	27.378	ug/L	95
51) Chlorobenzene	11.654	112	651851	28.666	ug/L	99
52) Ethylbenzene	11.727	91	1218985	29.522	ug/L	97
53) m,p-Xylene	11.837	106	453196	29.822	ug/L	94
54) o-Xylene	12.166	106	432177	30.172	ug/L	93
55) Styrene	12.178	104	762903	31.118	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	229887	27.984	ug/L	98
59) Bromoform	12.349	173	108430	26.607	ug/L	98
60) Isopropylbenzene	12.464	105	1198512	28.659	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	166808	25.654	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	968461	29.238	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	882534	28.873	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	485885	26.989	ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	493739	27.146	ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	439679	27.385	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.482	75	35924	23.826	ug/L	92
69) 1,3,5-Trichlorobenzene	14.623	180	337666	28.256	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	272835	27.252	ug/L	98
71) Naphthalene	15.360	128	478899	25.344	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	243122	27.369	ug/L	99

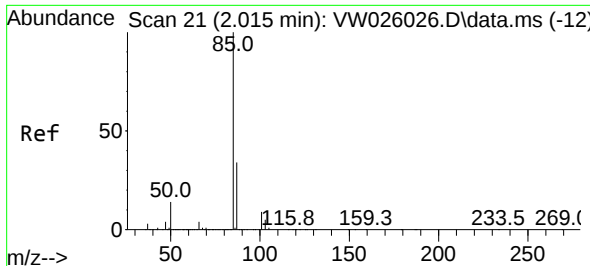
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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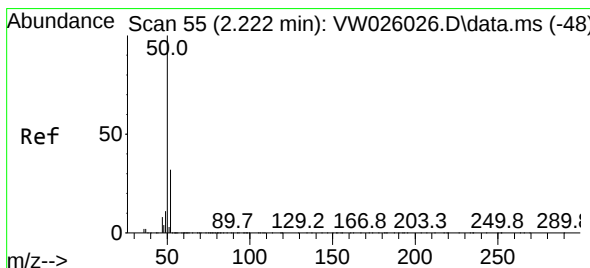
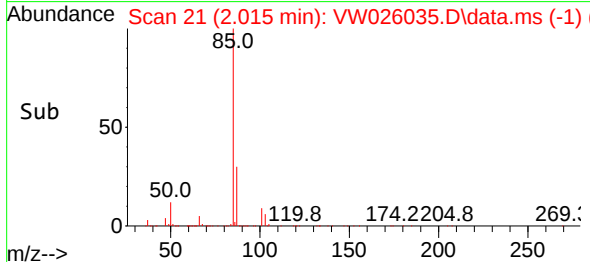
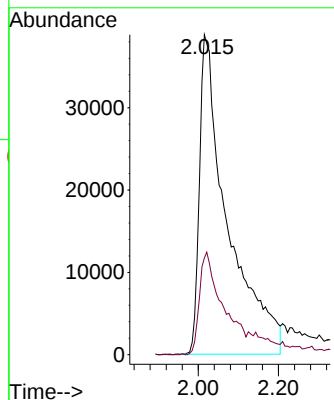
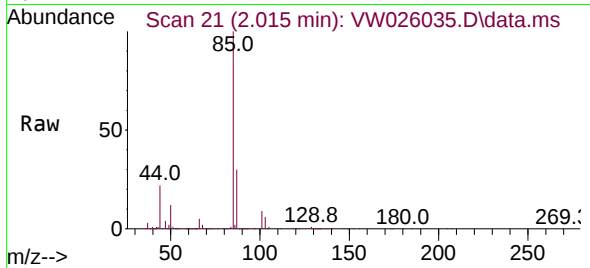




#2
 Dichlorodifluoromethane
 Concen: 29.610 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW026035.D
 Acq: 25 May 2023 09:10

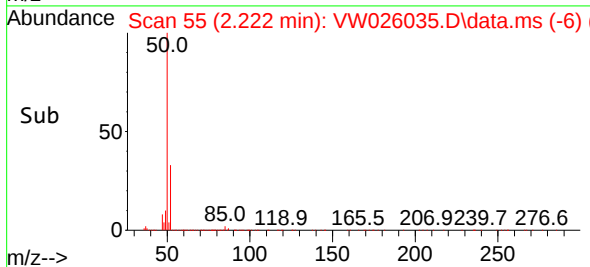
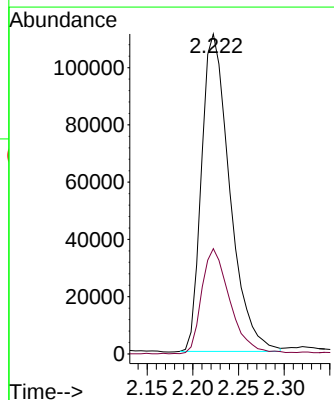
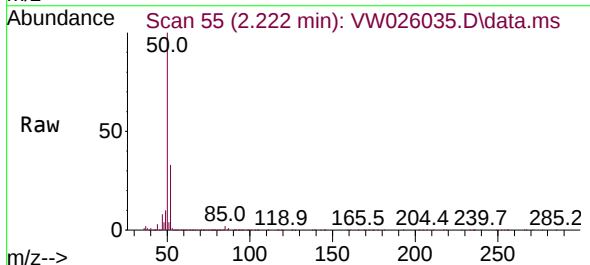
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025498

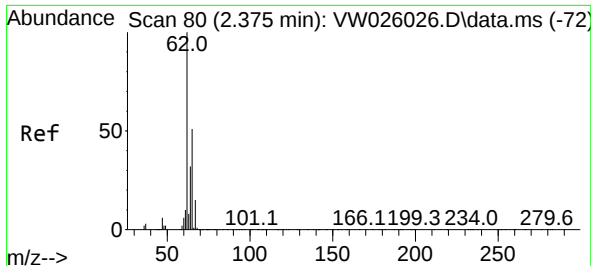
Tgt Ion: 85 Resp: 187922
 Ion Ratio Lower Upper
 85 100
 87 26.9 24.7 37.1



#3
 Chloromethane
 Concen: 25.497 ug/L
 RT: 2.222 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW026035.D
 Acq: 25 May 2023 09:10

Tgt Ion: 50 Resp: 238591
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.1 41.1

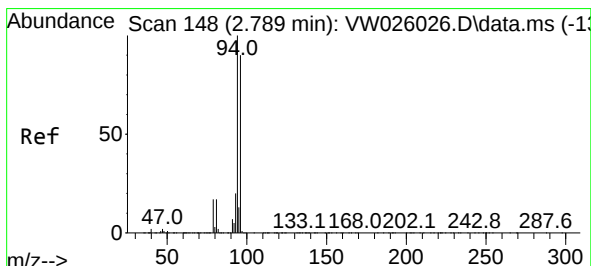
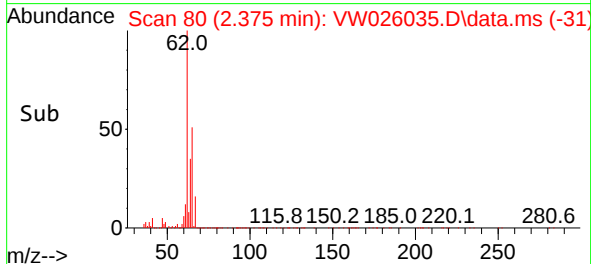
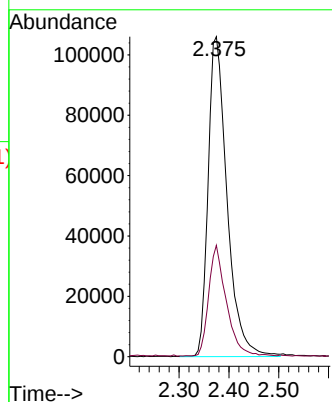
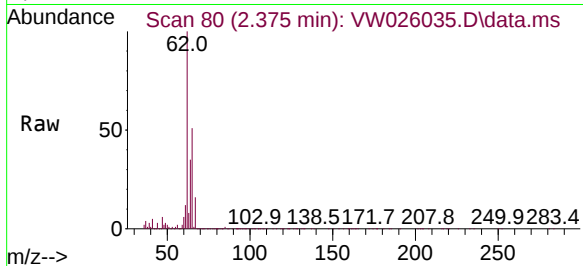




#5
 Vinyl chloride
 Concen: 28.826 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026035.D
 Acq: 25 May 2023 09:10

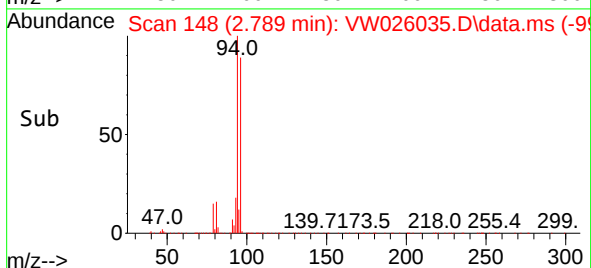
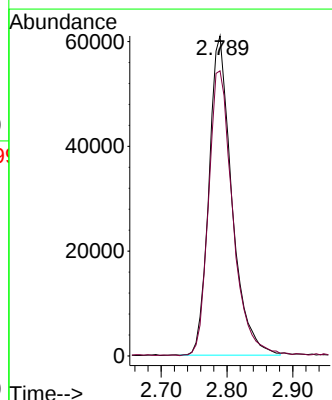
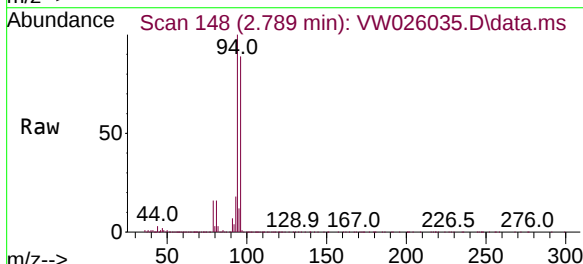
Instrument :
 MSVOA_W
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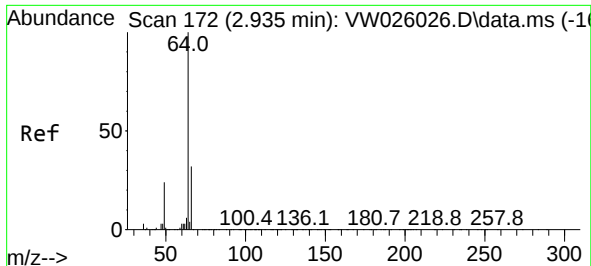
Tgt Ion: 62 Resp: 279199
 Ion Ratio Lower Upper
 62 100
 64 34.8 22.7 42.3



#6
 Bromomethane
 Concen: 28.020 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW026035.D
 Acq: 25 May 2023 09:10

Tgt Ion: 94 Resp: 147609
 Ion Ratio Lower Upper
 94 100
 96 89.1 63.1 117.1

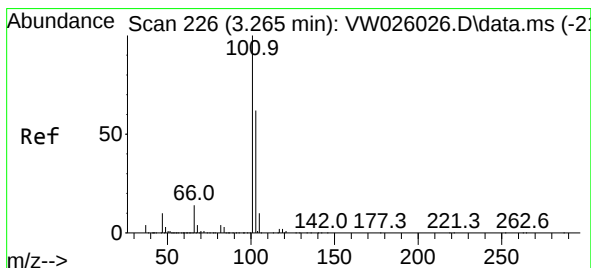
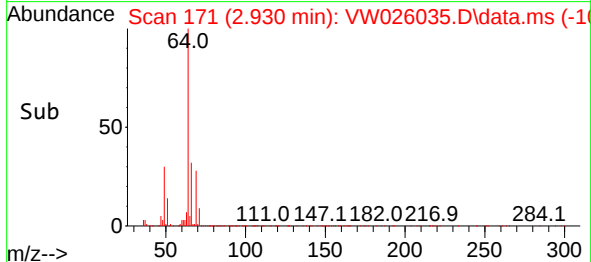
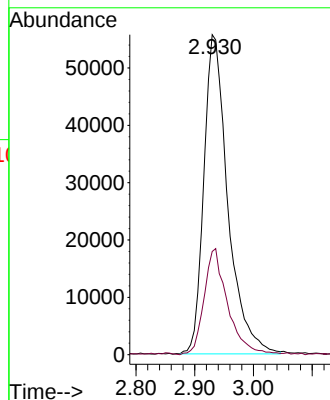
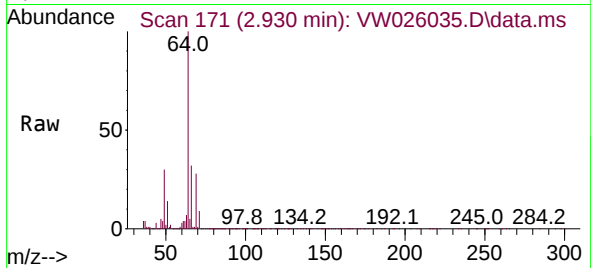




#8
Chloroethane
Concen: 28.752 ug/L
RT: 2.930 min Scan# 172
Delta R.T. -0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

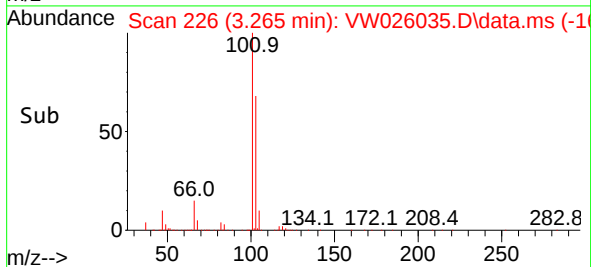
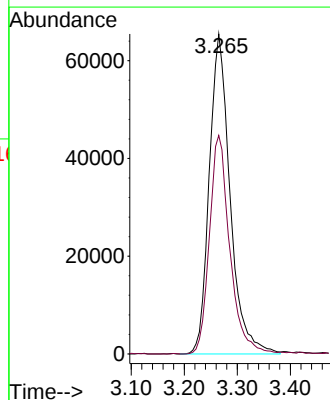
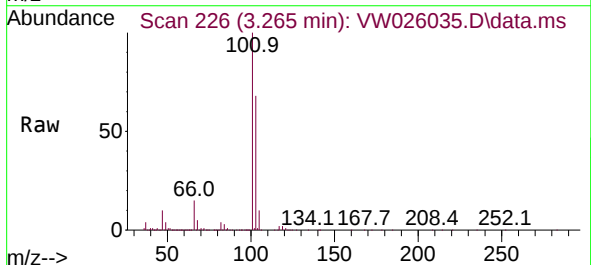
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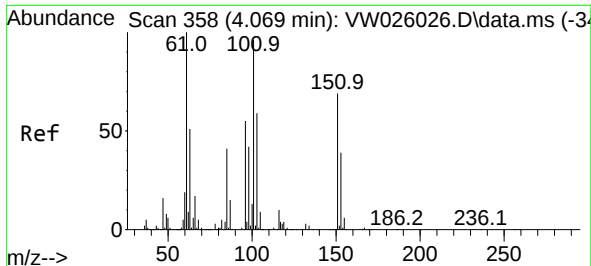
Tgt Ion: 64 Resp: 158352
Ion Ratio Lower Upper
64 100
66 32.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 24.404 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 101 Resp: 178383
Ion Ratio Lower Upper
101 100
103 66.8 50.6 76.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 30.091 ug/L

RT: 4.070 min Scan# 358

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025498

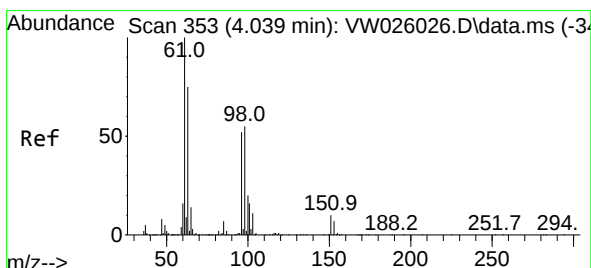
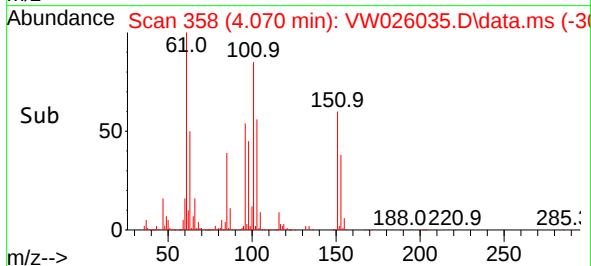
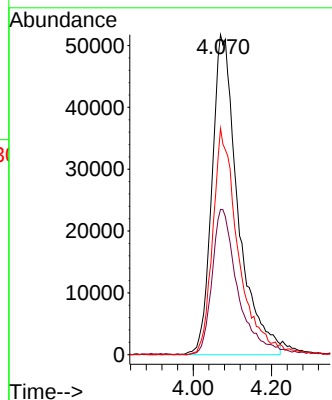
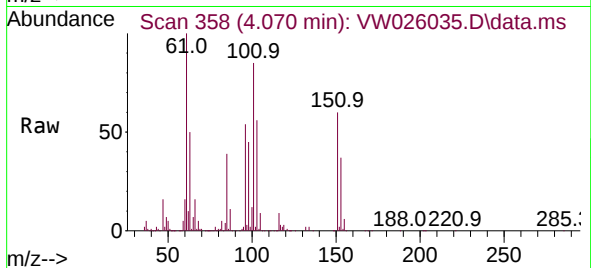
Tgt Ion:101 Resp: 239210

Ion Ratio Lower Upper

101 100

85 43.6 33.9 50.9

151 67.4 54.2 81.2



#12

1,1-Dichloroethene

Concen: 28.848 ug/L

RT: 4.045 min Scan# 354

Delta R.T. 0.006 min

Lab File: VW026035.D

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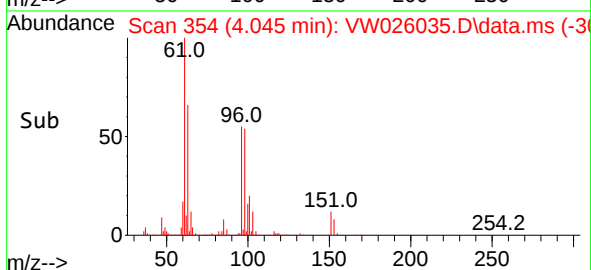
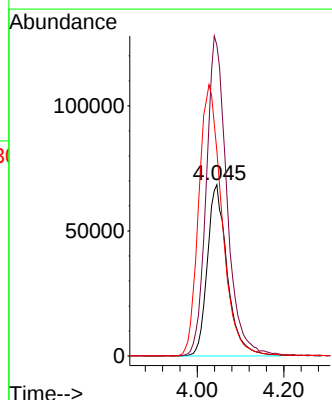
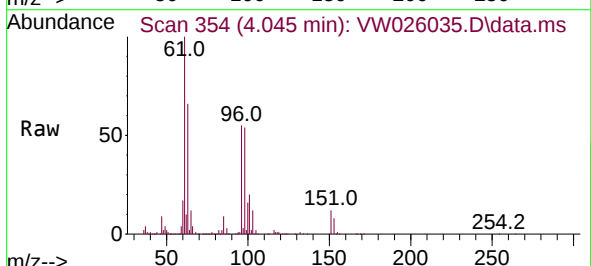
Tgt Ion: 96 Resp: 219166

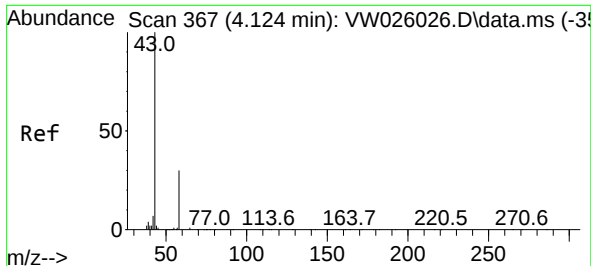
Ion Ratio Lower Upper

96 100

61 181.7 135.0 250.8

63 120.0 104.9 194.7

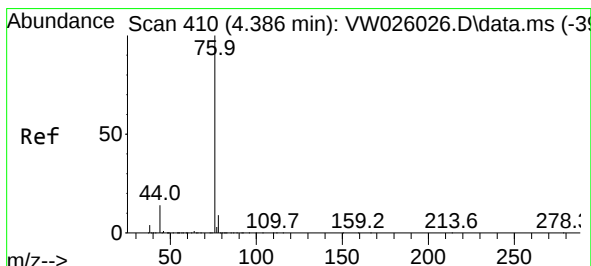
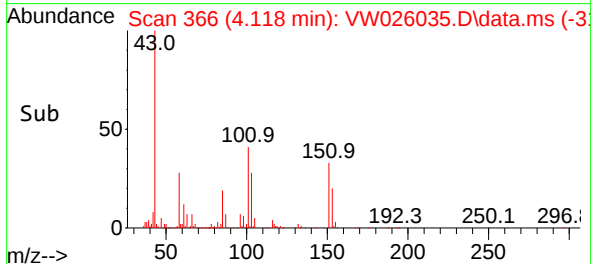
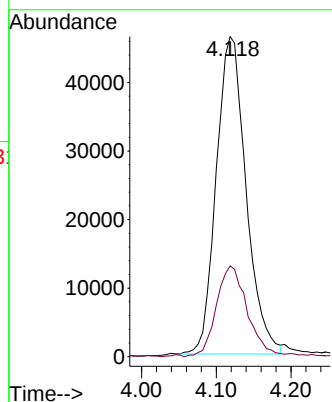
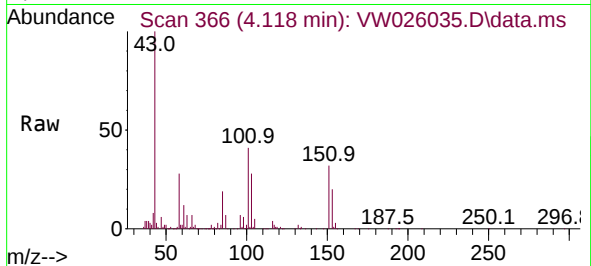




#13
Acetone
Concen: 54.386 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

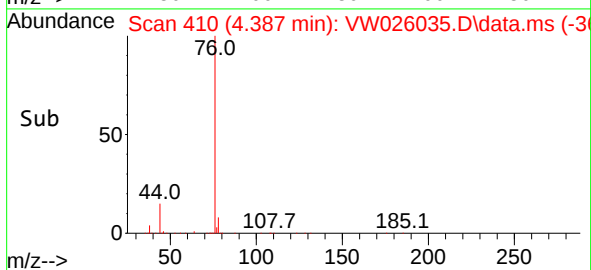
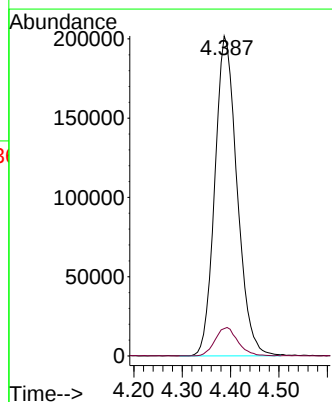
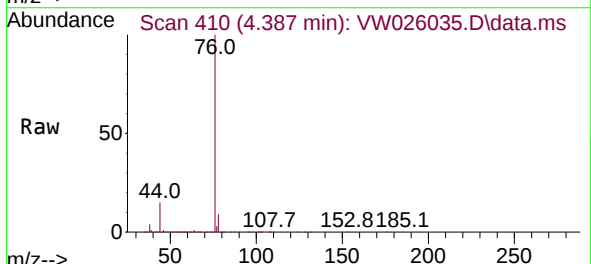
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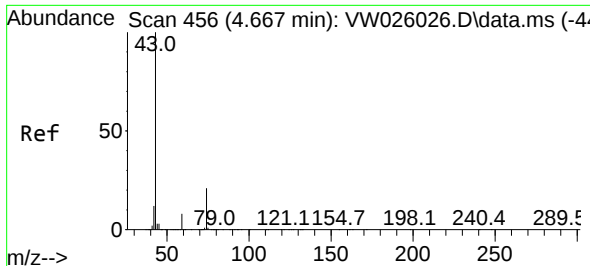
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Ion Ratio Lower Upper
43 100
58 29.6 0.0 58.2



#14
Carbon disulfide
Concen: 25.091 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 76 Resp: 644655
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

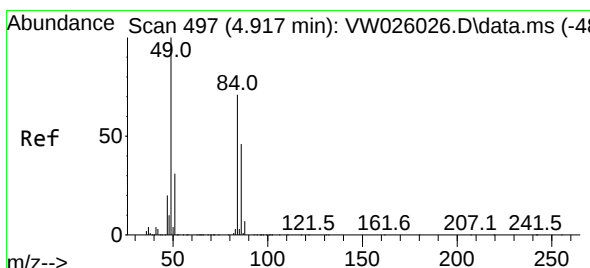
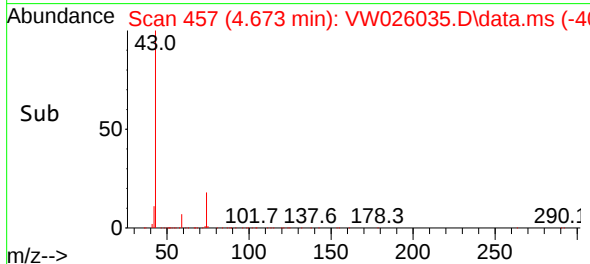
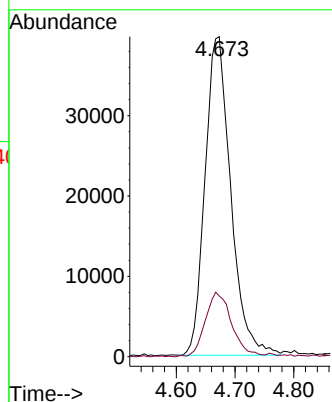
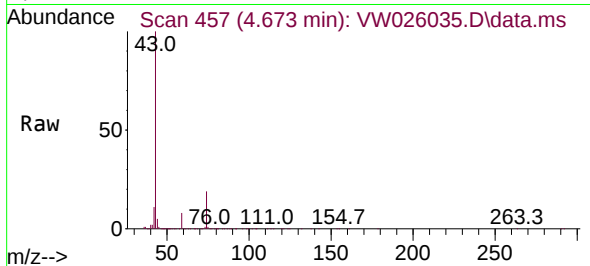




#15
Methyl Acetate
Concen: 25.946 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

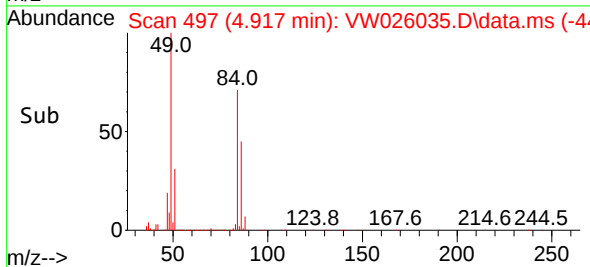
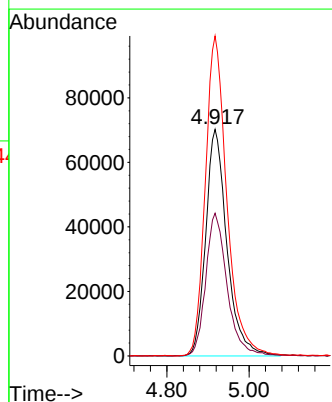
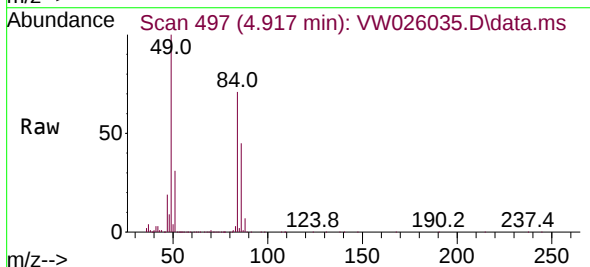
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

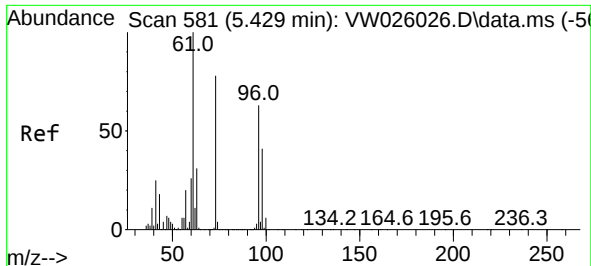
Tgt Ion: 43 Resp: 120651
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7



#16
Methylene chloride
Concen: 21.511 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 84 Resp: 252011
Ion Ratio Lower Upper
84 100
86 62.9 41.7 77.5
49 141.2 95.3 177.1

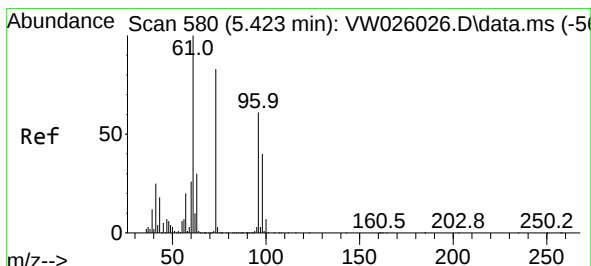
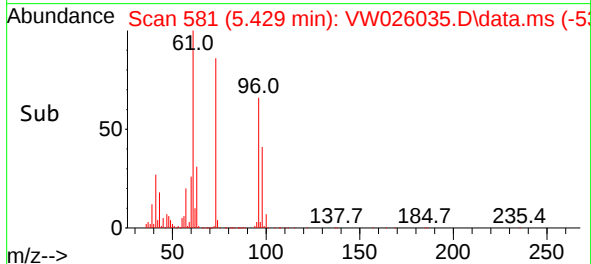
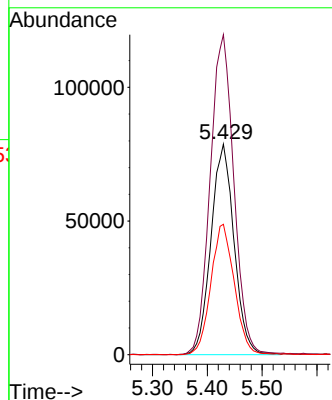
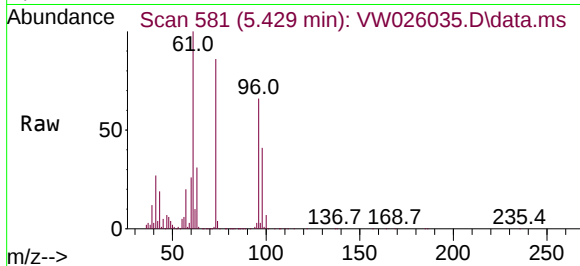




#17
trans-1,2-Dichloroethene
Concen: 27.820 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

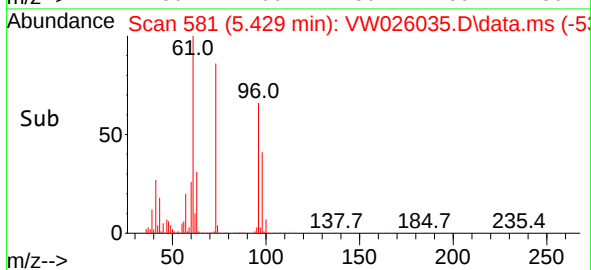
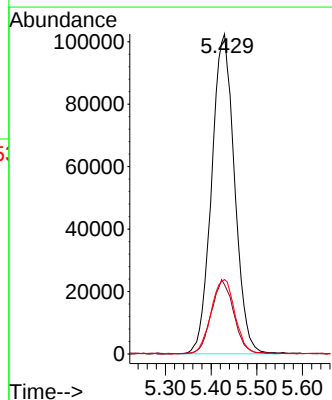
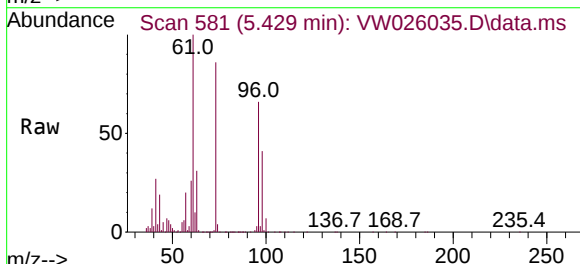
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

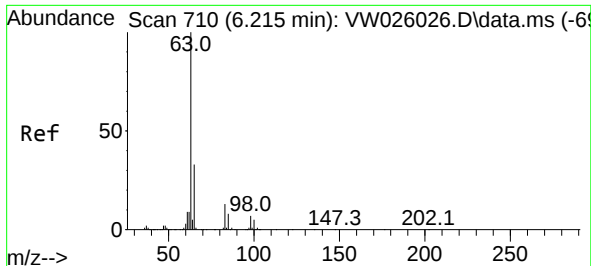
Tgt Ion: 96 Resp: 230578
Ion Ratio Lower Upper
96 100
61 151.9 108.1 200.9
98 61.9 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 28.308 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 73 Resp: 356095
Ion Ratio Lower Upper
73 100
43 22.0 18.2 27.4
57 24.2 19.2 28.8





#19

1,1-Dichloroethane

Concen: 29.389 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025498

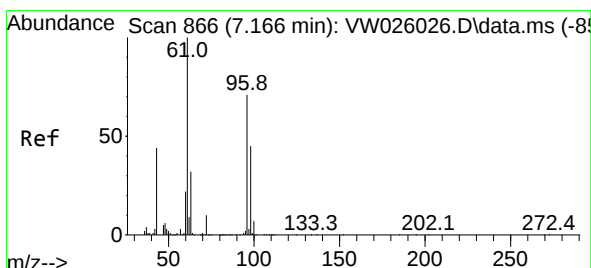
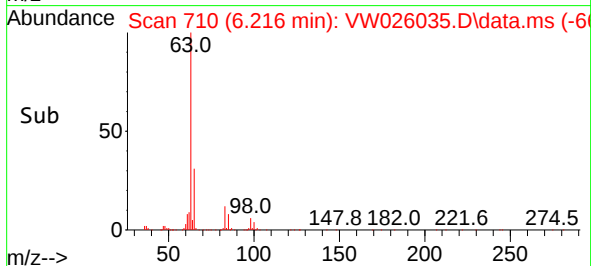
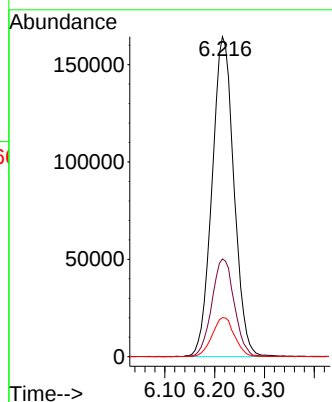
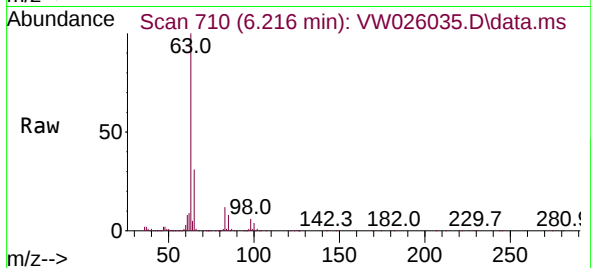
Tgt Ion: 63 Resp: 500444

Ion Ratio Lower Upper

63 100

65 30.5 22.4 41.6

83 12.2 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 28.716 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

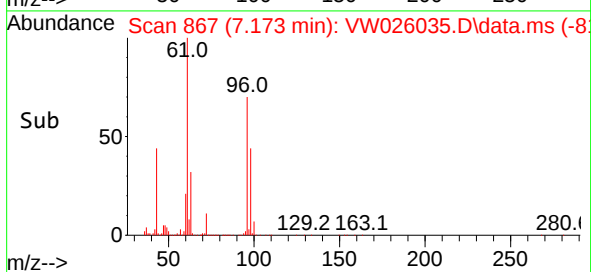
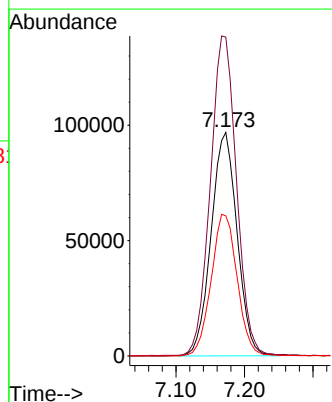
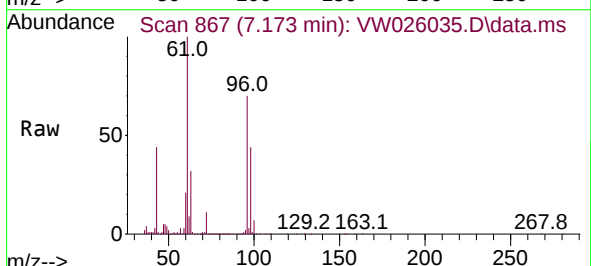
Tgt Ion: 96 Resp: 255342

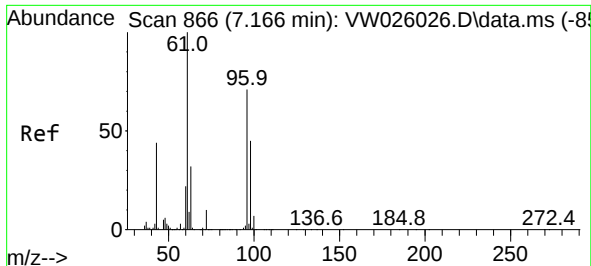
Ion Ratio Lower Upper

96 100

61 142.6 98.6 183.0

98 62.7 45.2 84.0

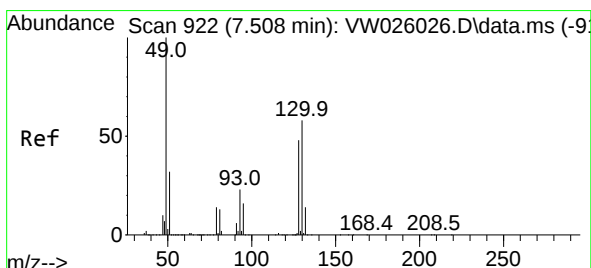
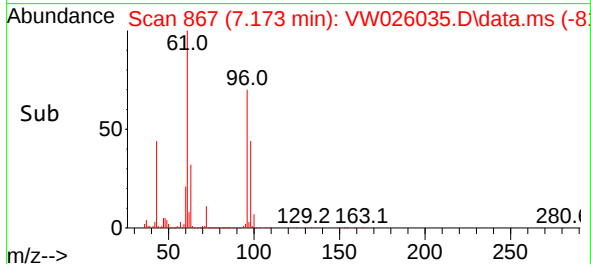
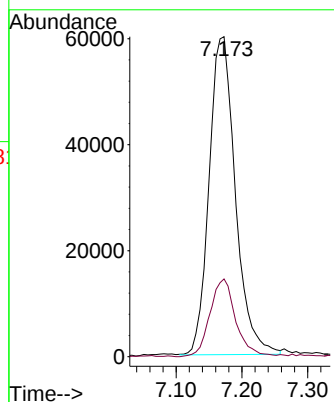
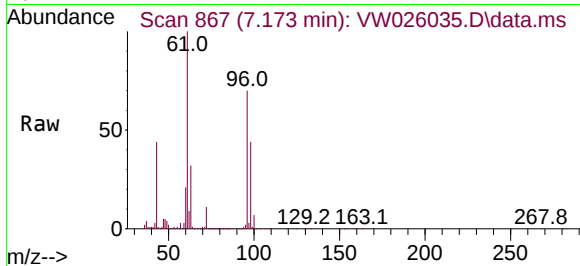




#22
2-Butanone
Concen: 51.270 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

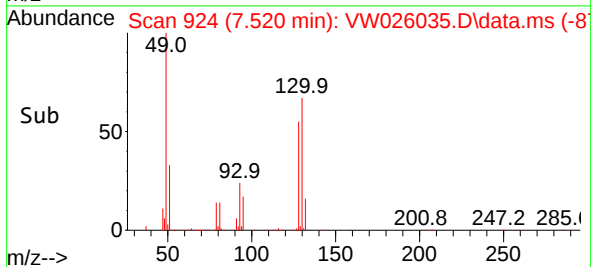
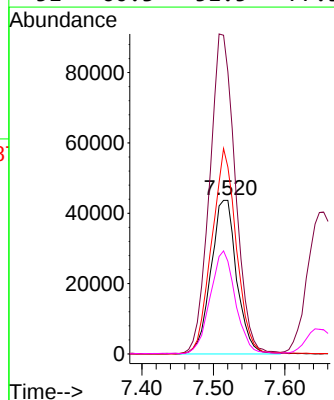
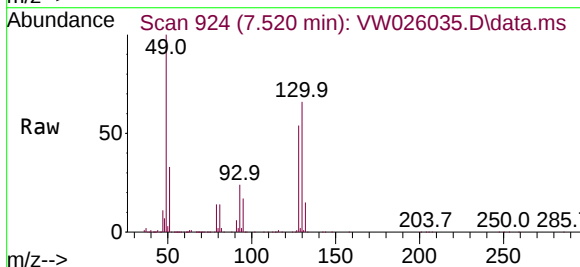
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

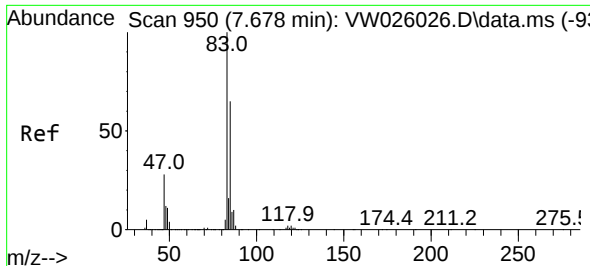
Tgt Ion: 43 Resp: 167054
Ion Ratio Lower Upper
43 100
72 23.9 11.8 35.4



#23
Bromochloromethane
Concen: 28.913 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.013 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 128 Resp: 108913
Ion Ratio Lower Upper
128 100
49 183.6 151.5 281.5
130 121.6 91.3 169.6
51 60.3 51.5 77.3

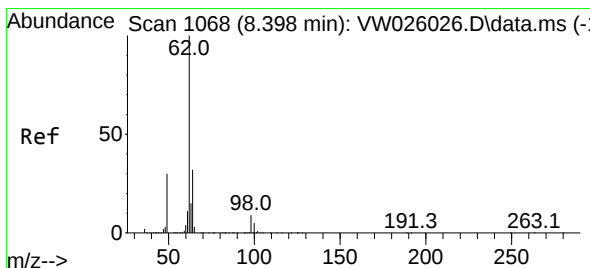
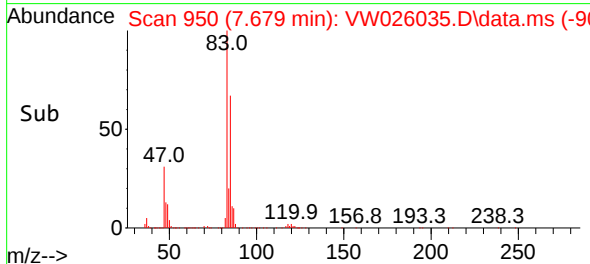
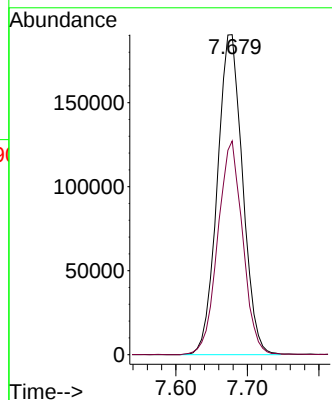
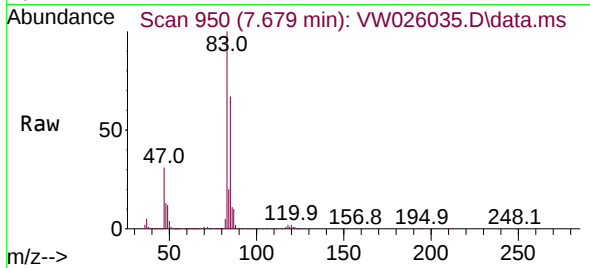




#25
Chloroform
Concen: 29.906 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

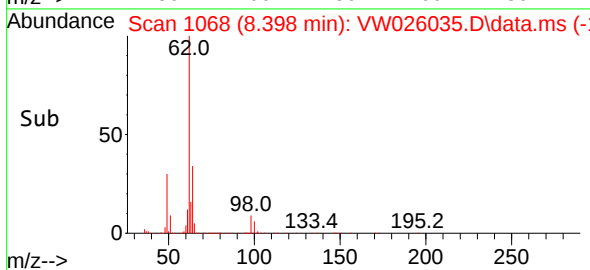
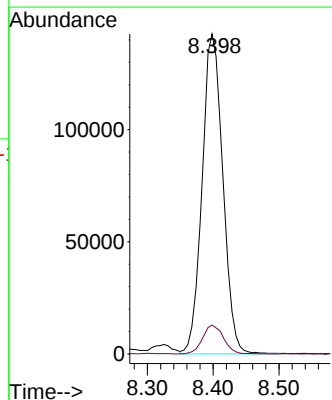
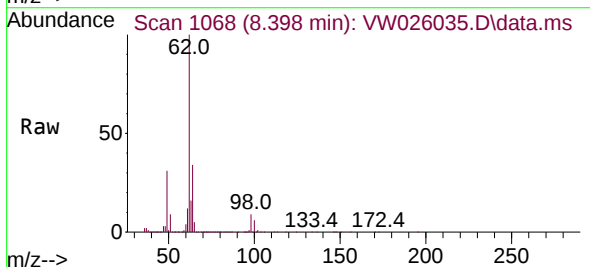
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

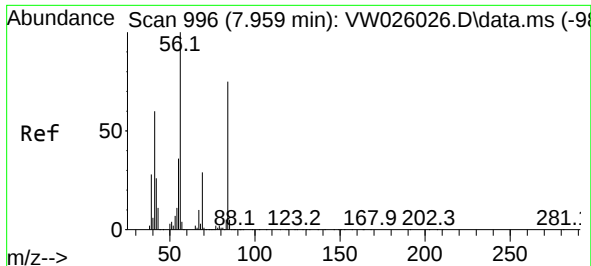
Tgt Ion: 83 Resp: 468047
Ion Ratio Lower Upper
83 100
85 66.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 28.169 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 62 Resp: 313098
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8

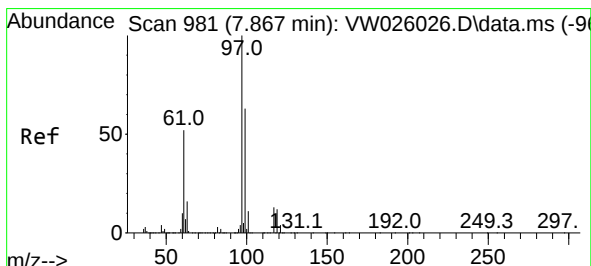
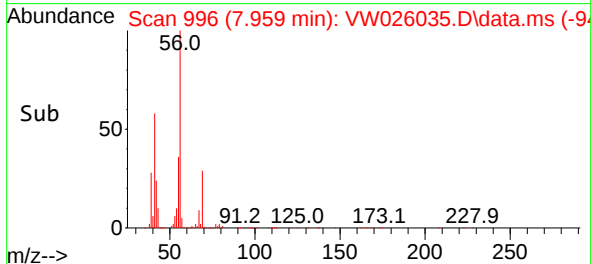
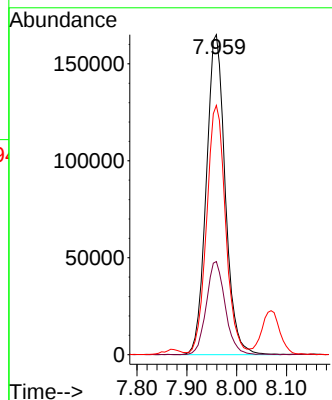
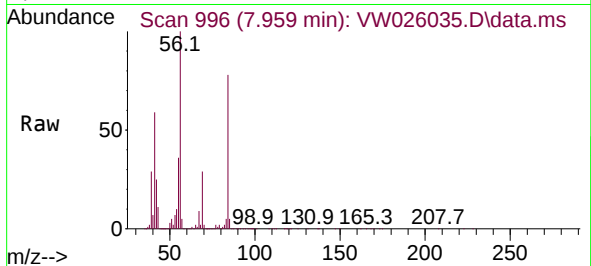




#29
Cyclohexane
Concen: 27.087 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

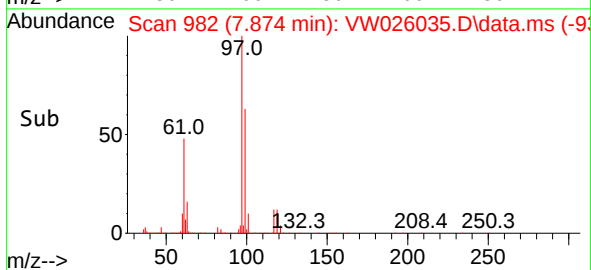
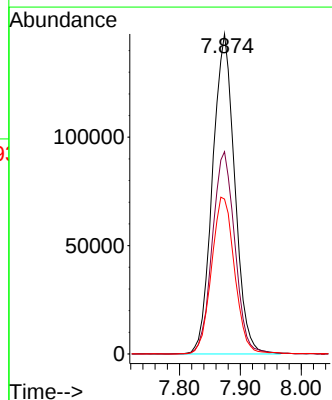
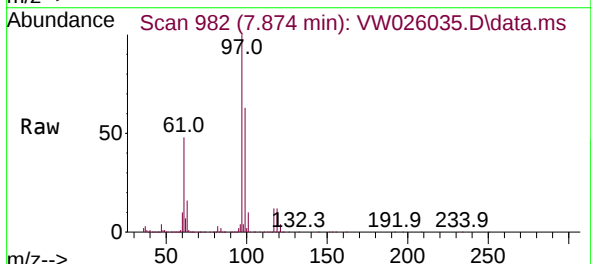
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

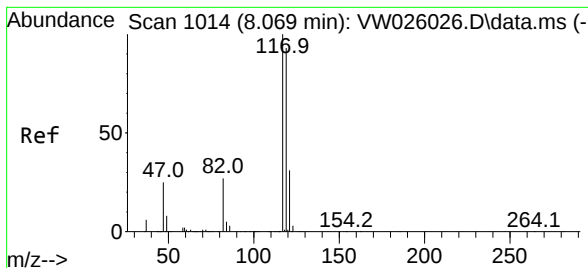
Tgt Ion: 56 Resp: 435850
Ion Ratio Lower Upper
56 100
69 29.0 23.4 35.0
84 78.0 63.3 94.9



#30
1,1,1-Trichloroethane
Concen: 29.411 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 97 Resp: 373479
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 50.9 40.4 60.6

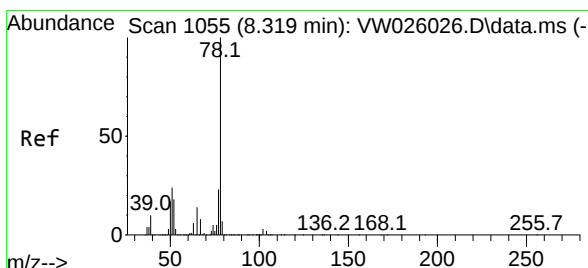
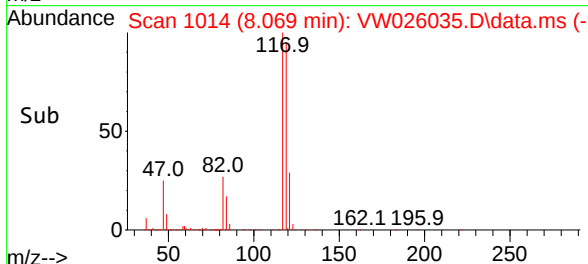
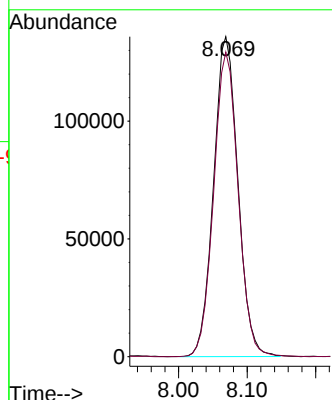
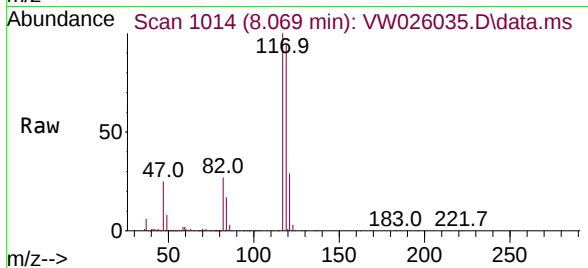




#31
Carbon tetrachloride
Concen: 29.285 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

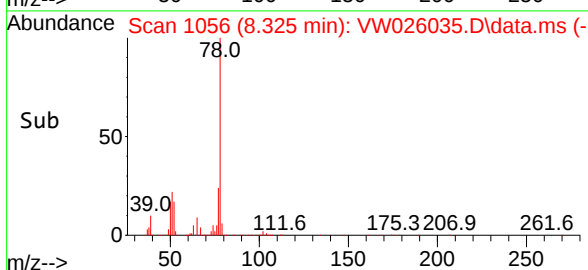
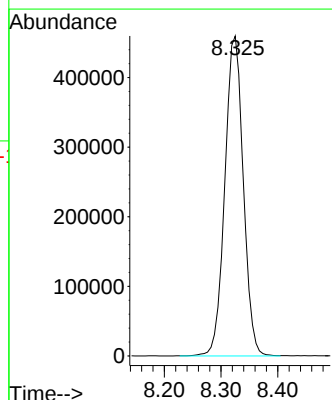
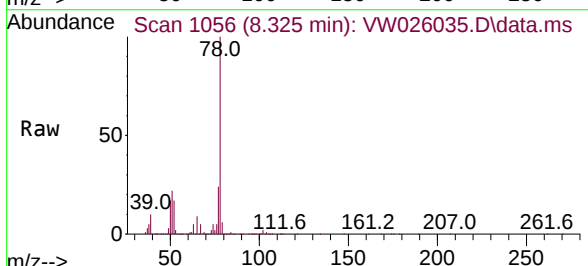
Instrument : MSVOA_W
ClientSampleId : VSTD025498

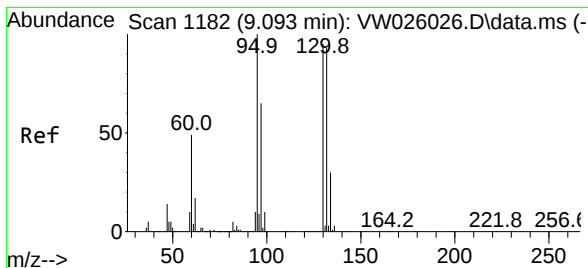
Tgt Ion:117 Resp: 334665
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3



#33
Benzene
Concen: 28.890 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 78 Resp: 1037854





#34

Trichloroethene

Concen: 27.919 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025498

Tgt Ion: 95 Resp: 257364

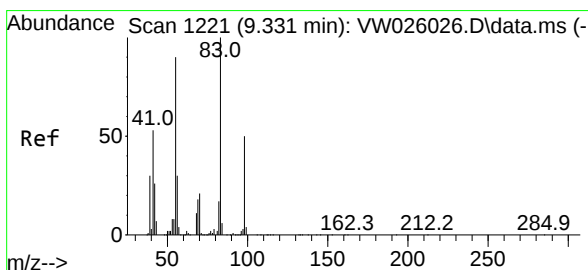
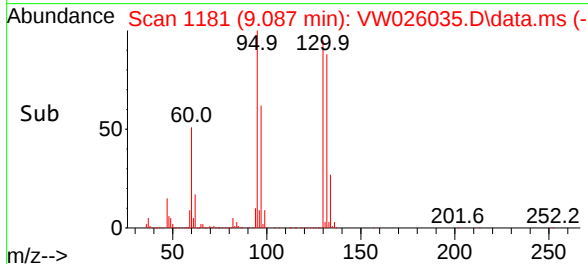
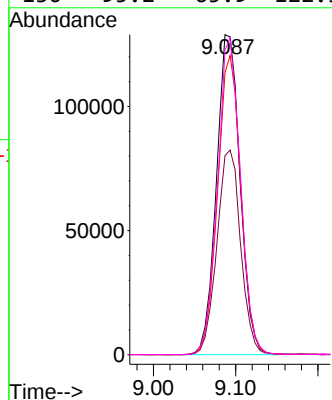
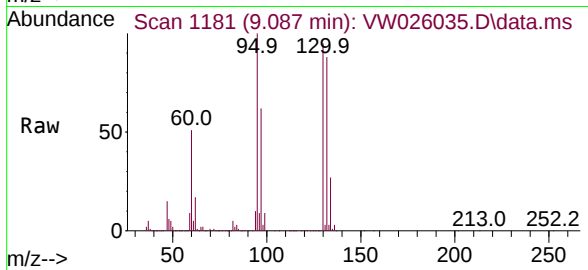
Ion Ratio Lower Upper

95 100

97 62.2 45.9 85.3

132 88.1 66.0 122.6

130 95.2 65.9 122.3



#35

Methylcyclohexane

Concen: 27.451 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

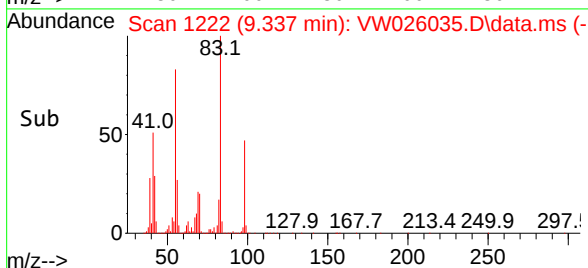
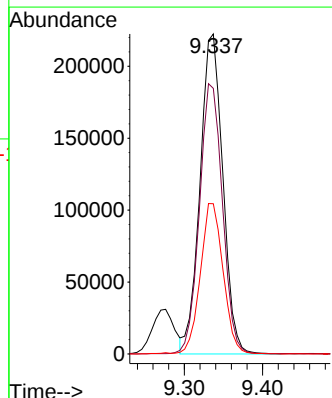
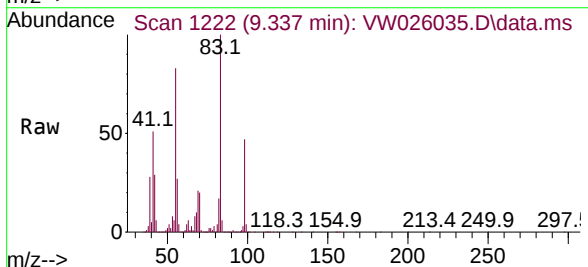
Tgt Ion: 83 Resp: 450066

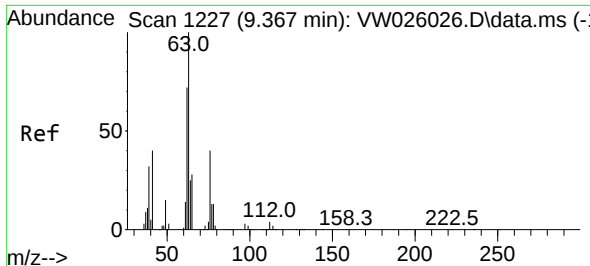
Ion Ratio Lower Upper

83 100

55 85.2 69.0 103.4

98 47.0 37.1 55.7





#37

1,2-Dichloropropane

Concen: 29.352 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

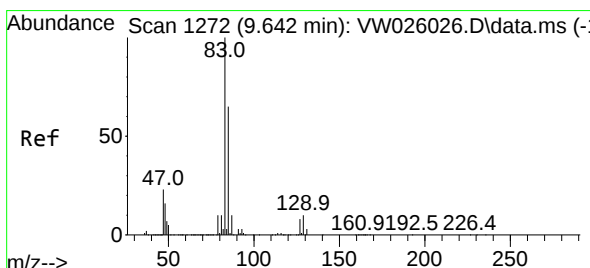
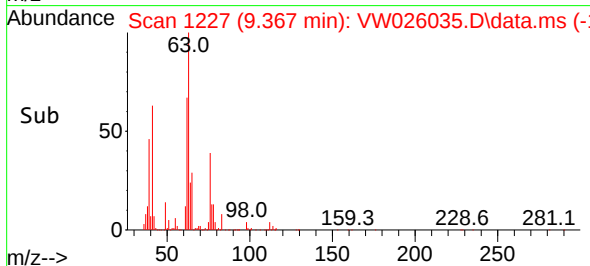
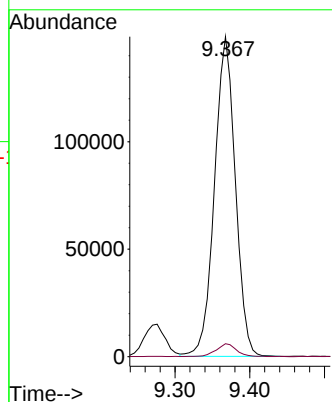
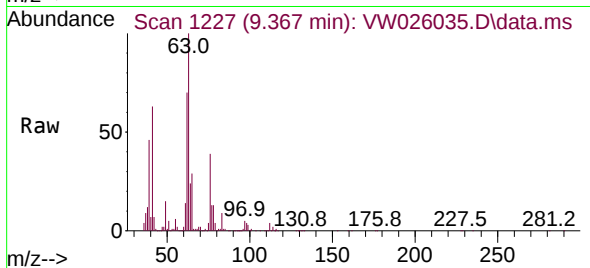
VSTD025498

Tgt Ion: 63 Resp: 288887

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 29.467 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

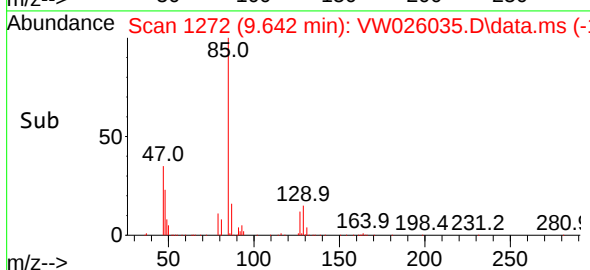
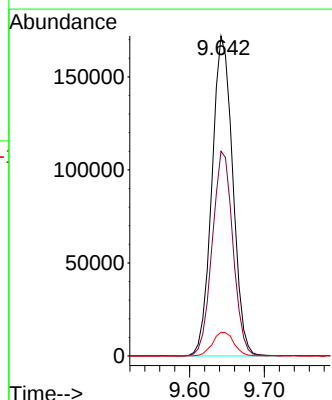
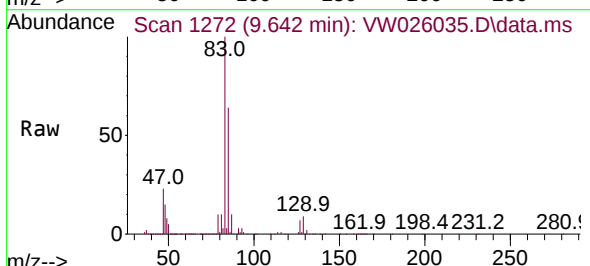
Tgt Ion: 83 Resp: 332731

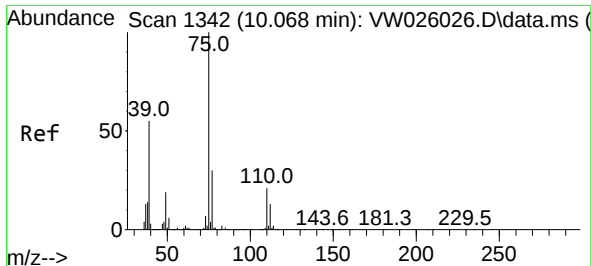
Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.5

127 7.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 28.561 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

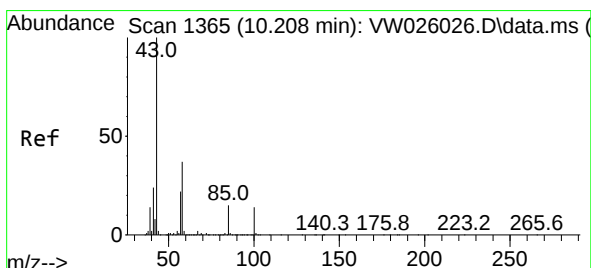
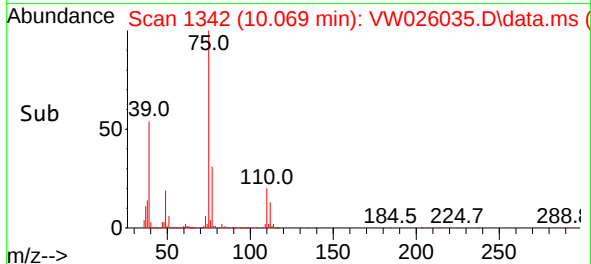
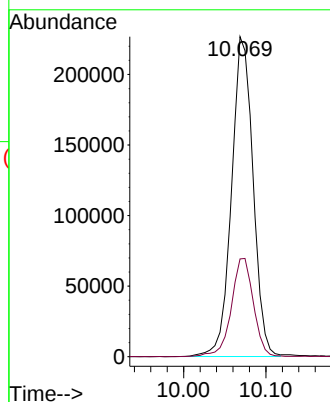
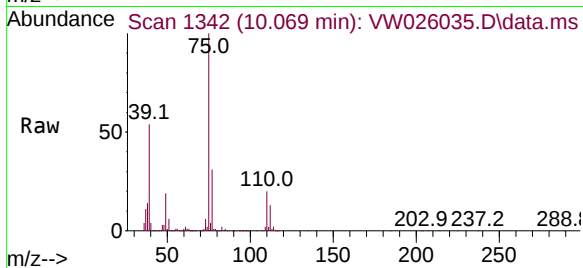
VSTD025498

Tgt Ion: 75 Resp: 412239

Ion Ratio Lower Upper

75 100

77 30.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 52.758 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

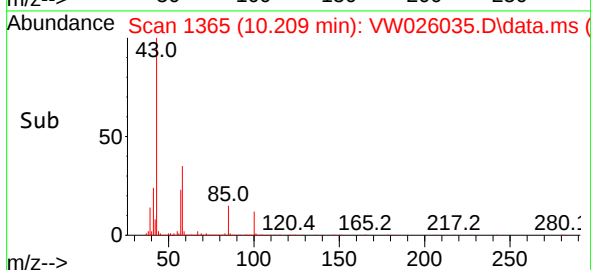
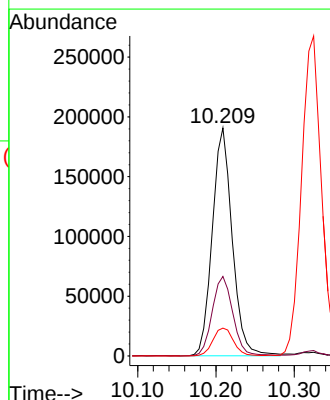
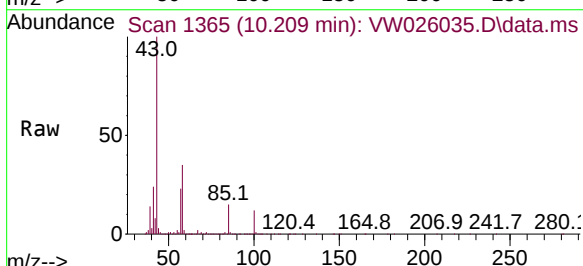
Tgt Ion: 43 Resp: 337992

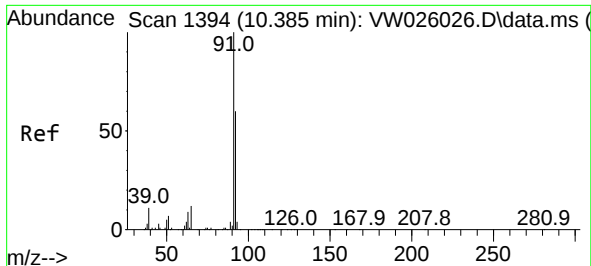
Ion Ratio Lower Upper

43 100

58 36.2 29.4 44.0

100 12.8 10.1 15.1

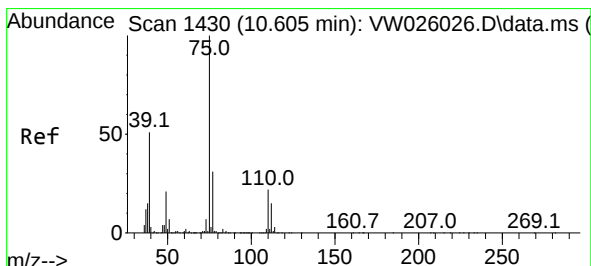
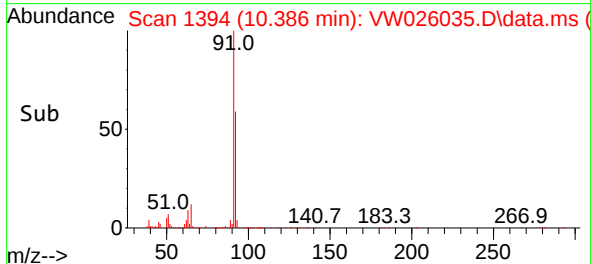
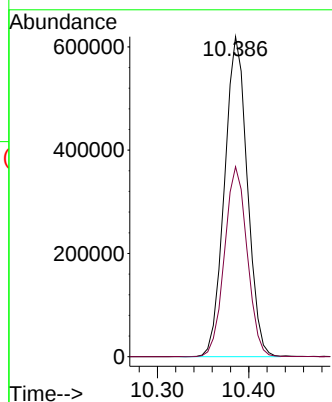
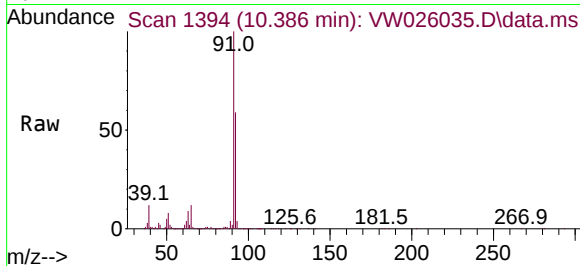




#42
Toluene
Concen: 29.220 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

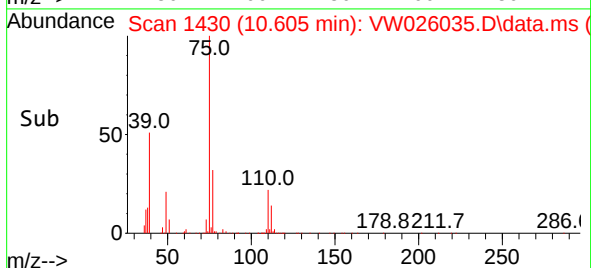
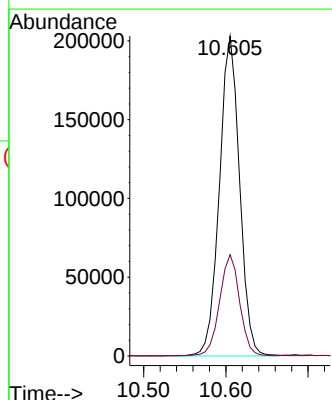
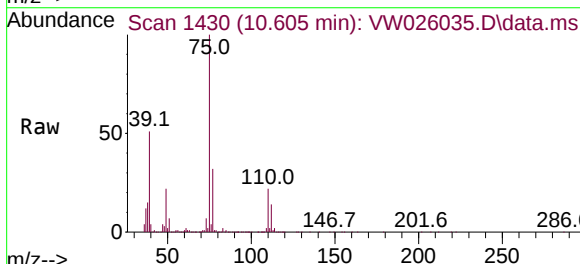
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

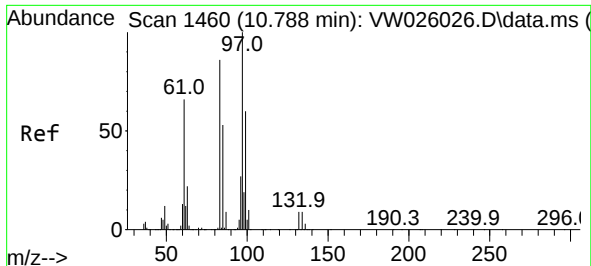
Tgt Ion: 91 Resp: 1072561
Ion Ratio Lower Upper
91 100
92 59.3 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 28.919 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 75 Resp: 345860
Ion Ratio Lower Upper
75 100
77 31.6 21.8 40.4

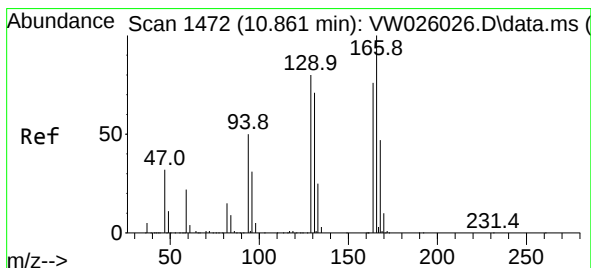
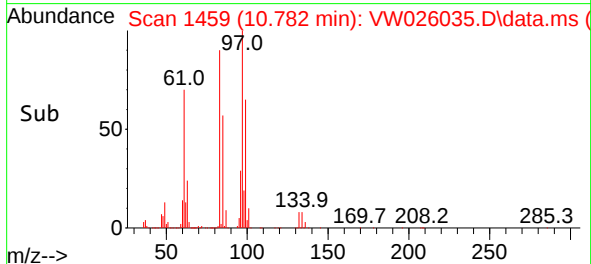
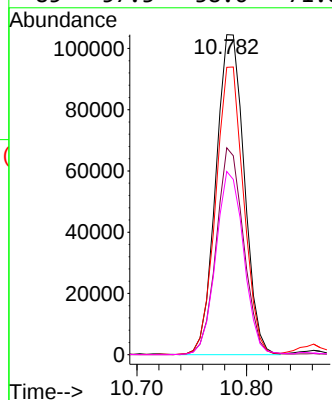
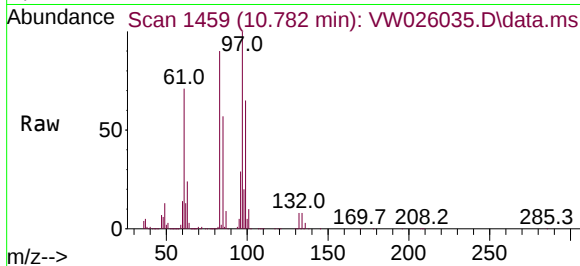




#45
1,1,2-Trichloroethane
Concen: 28.610 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

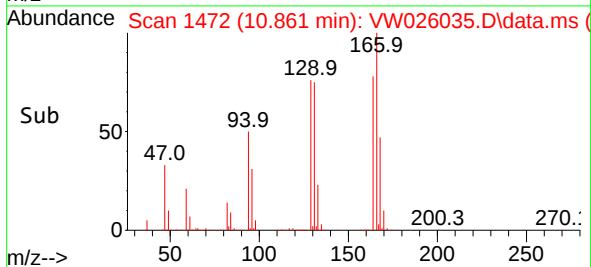
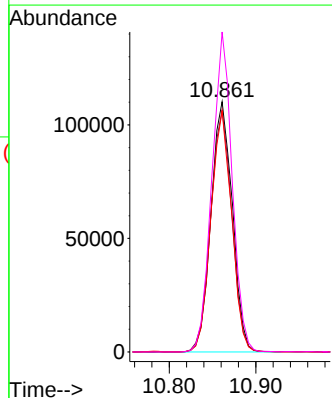
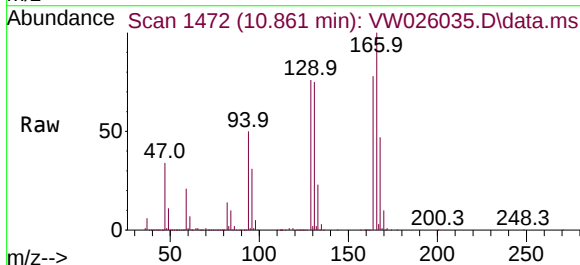
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

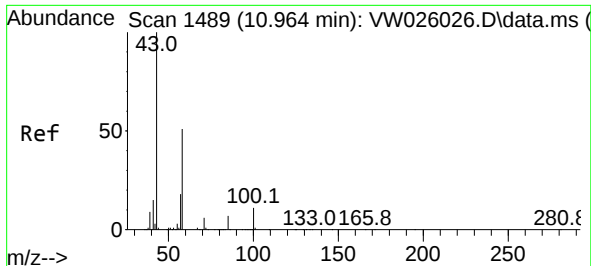
Tgt Ion: 97	Resp: 188363
Ion Ratio	Lower Upper
97 100	
99 64.6	44.5 82.7
83 89.8	63.0 117.0
85 57.3	38.6 71.8



#46
Tetrachloroethene
Concen: 29.047 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt	Ion:164	Resp:	188376
Ion	Ratio	Lower	Upper
164	100		
129	96.7	74.3	138.1
131	96.3	71.3	132.3
166	127.9	91.5	169.9



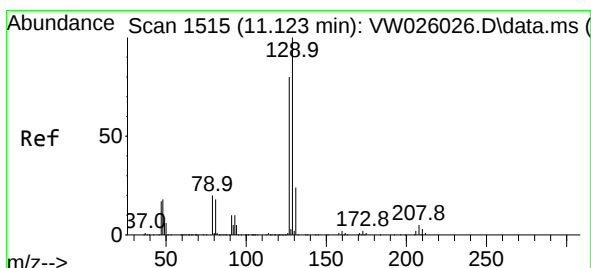
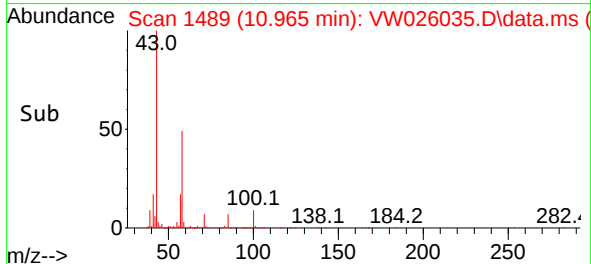
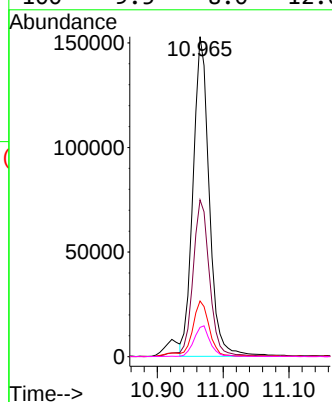
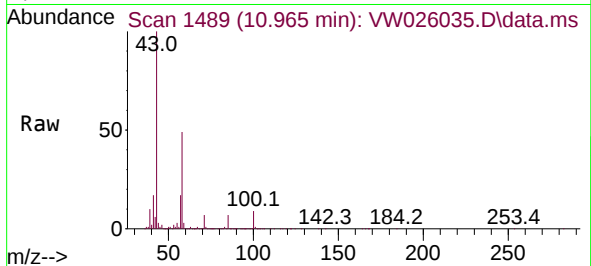


#48
2-Hexanone
Concen: 56.701 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

Tgt Ion: 43 Resp: 260227

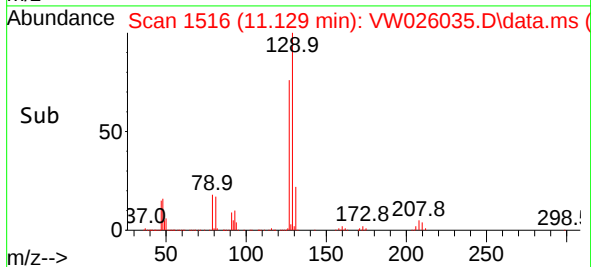
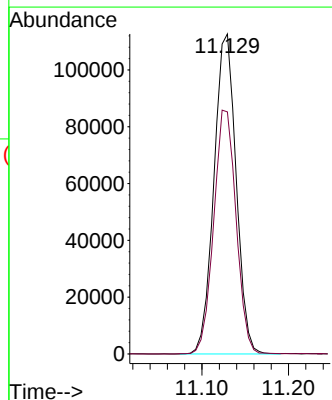
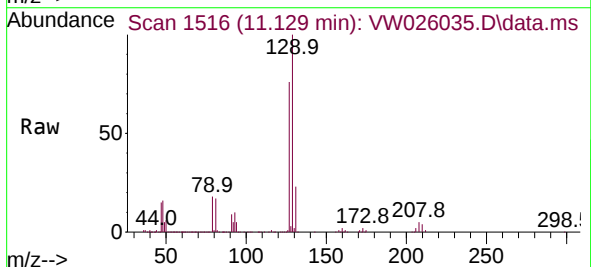
Ion	Ratio	Lower	Upper
43	100		
58	48.2	40.8	61.2
57	17.4	13.6	20.4
100	9.5	8.0	12.0

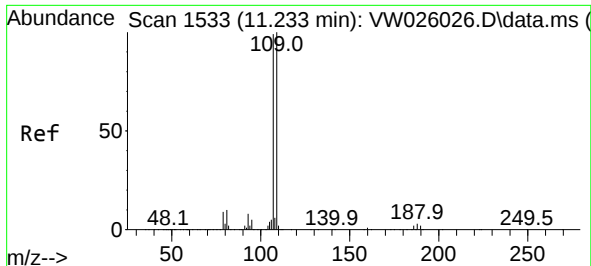


#49
Dibromochloromethane
Concen: 29.373 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion: 129 Resp: 200208

Ion	Ratio	Lower	Upper
129	100		
127	75.7	56.1	104.3

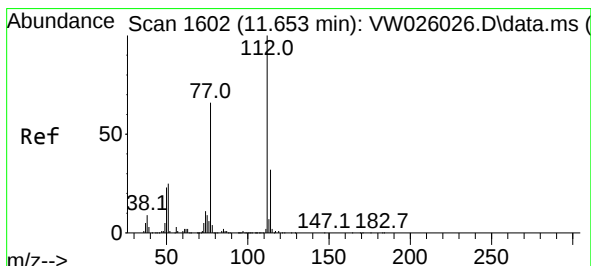
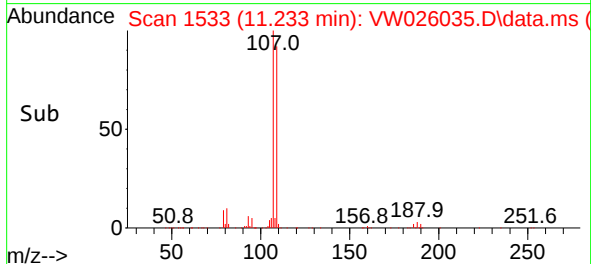
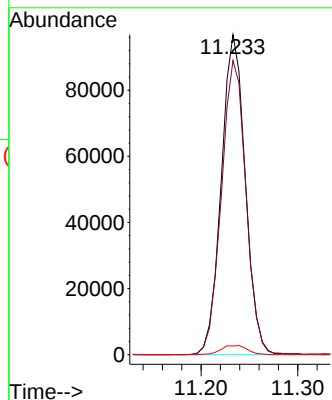
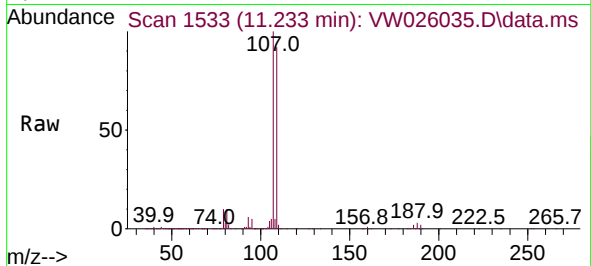




#50
1,2-Dibromoethane
Concen: 27.378 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

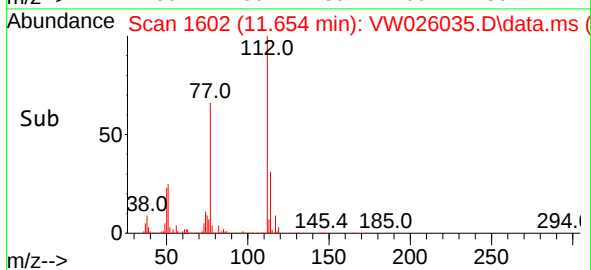
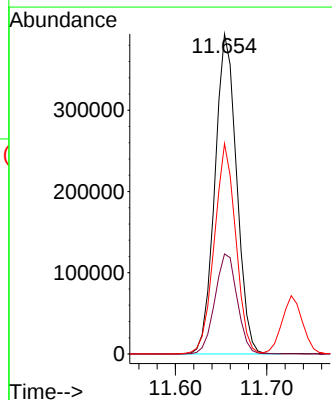
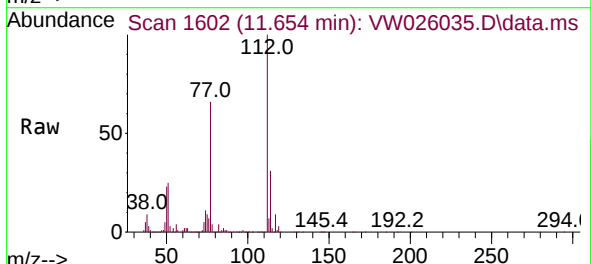
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

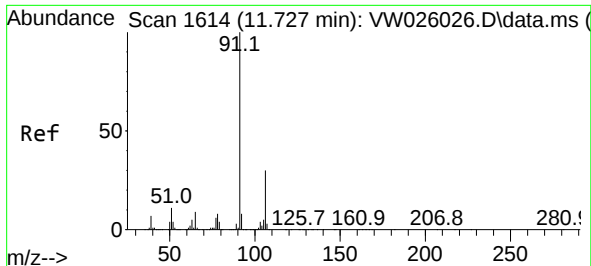
Tgt Ion:107 Resp: 166168
Ion Ratio Lower Upper
107 100
109 91.9 67.5 125.4
188 2.7 2.6 4.0



#51
Chlorobenzene
Concen: 28.666 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion:112 Resp: 651851
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.3
77 65.8 53.0 79.6





#52

Ethylbenzene

Concen: 29.522 ug/L

RT: 11.727 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

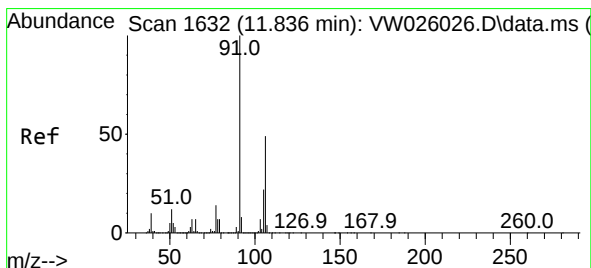
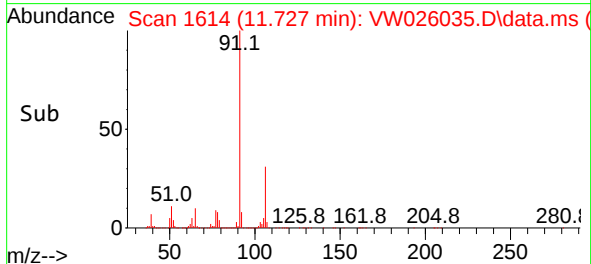
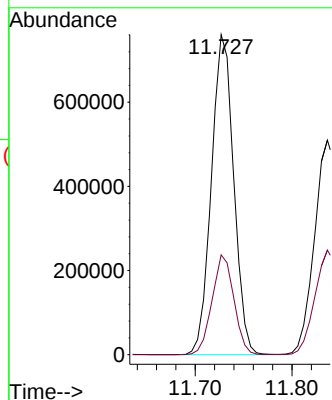
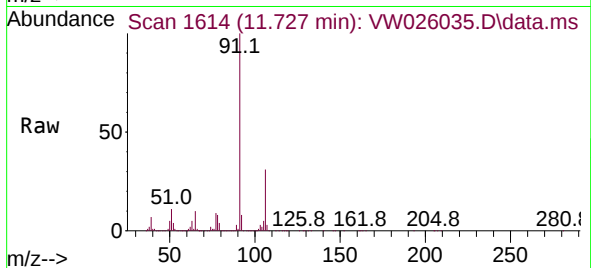
VSTD025498

Tgt Ion: 91 Resp: 1218985

Ion Ratio Lower Upper

91 100

106 31.2 20.8 38.6



#53

m,p-Xylene

Concen: 29.822 ug/L

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW026035.D

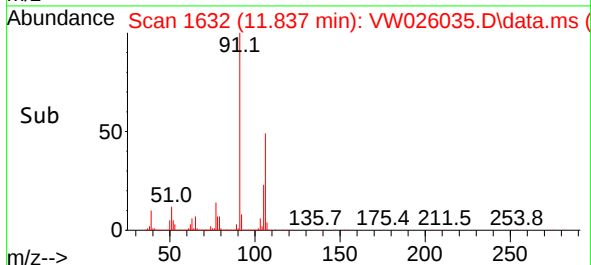
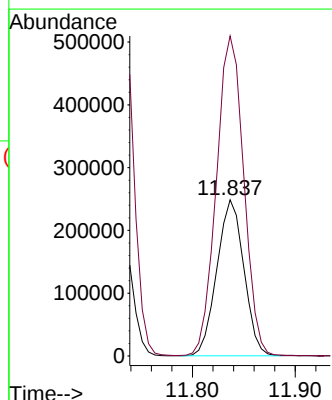
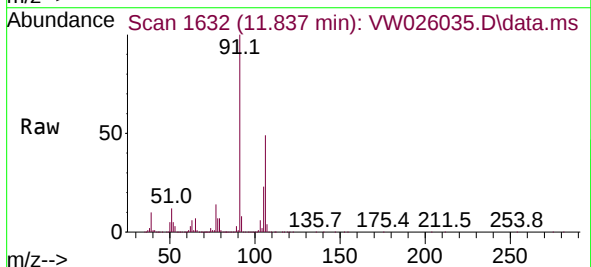
Acq: 25 May 2023 09:10

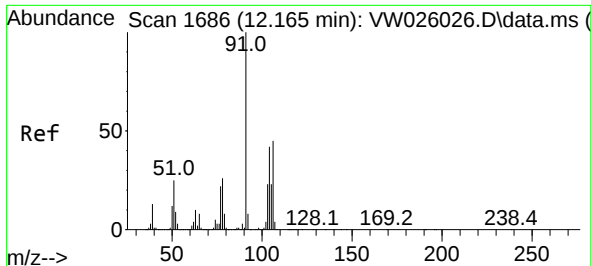
Tgt Ion:106 Resp: 453196

Ion Ratio Lower Upper

106 100

91 204.9 150.1 278.9

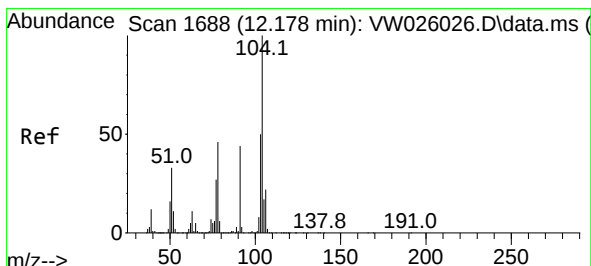
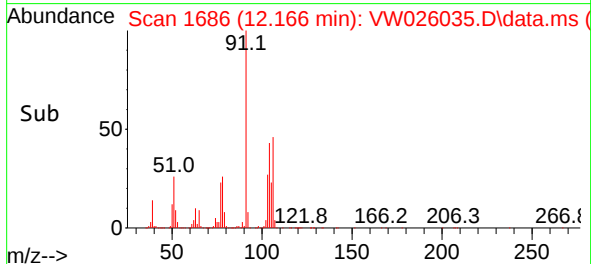
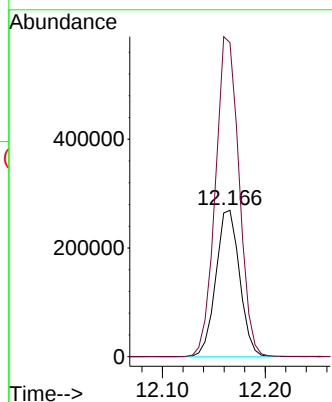
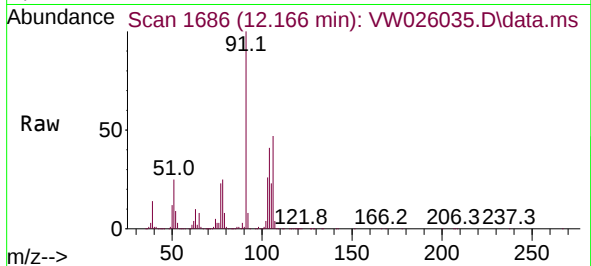




#54
o-Xylene
Concen: 30.172 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

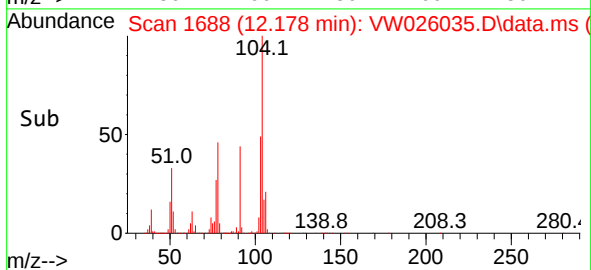
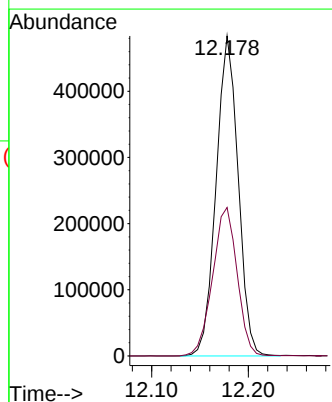
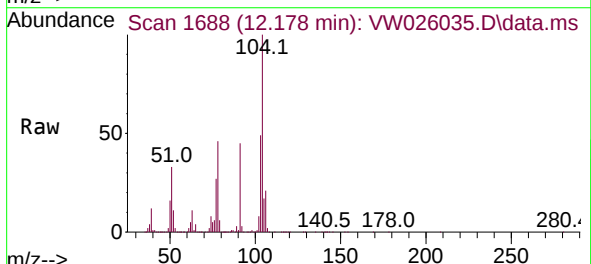
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

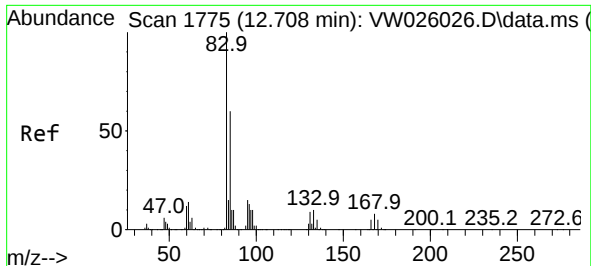
Tgt Ion:106 Resp: 432177
Ion Ratio Lower Upper
106 100
91 214.6 157.8 293.1



#55
Styrene
Concen: 31.118 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion:104 Resp: 762903
Ion Ratio Lower Upper
104 100
78 46.4 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 27.984 ug/L

RT: 12.714 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025498

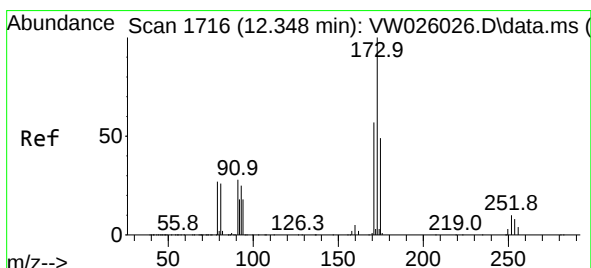
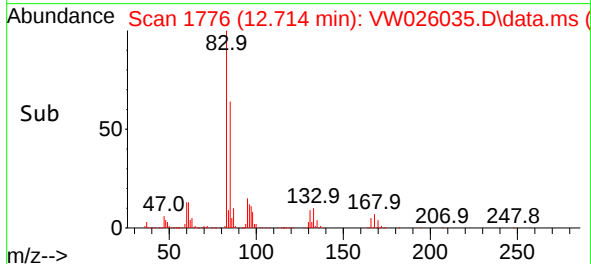
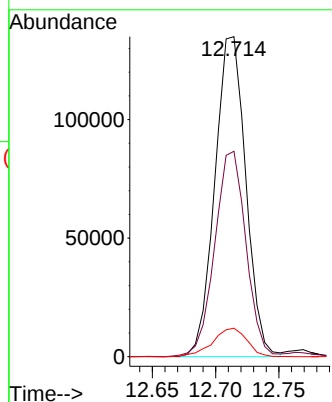
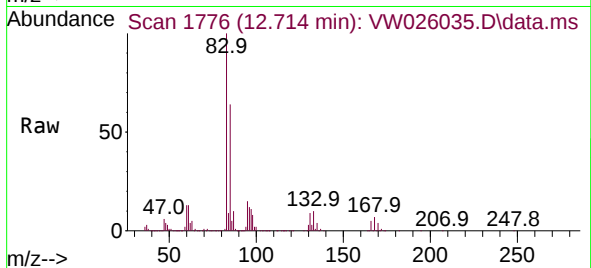
Tgt Ion: 83 Resp: 229887

Ion Ratio Lower Upper

83 100

85 64.2 45.6 84.8

131 8.9 8.1 12.1



#59

Bromoform

Concen: 26.607 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

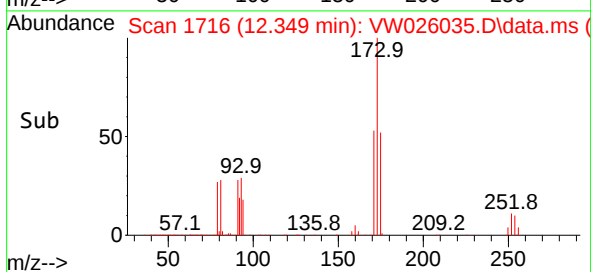
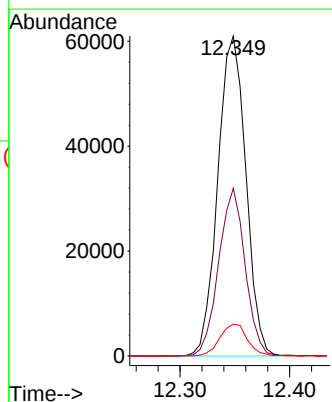
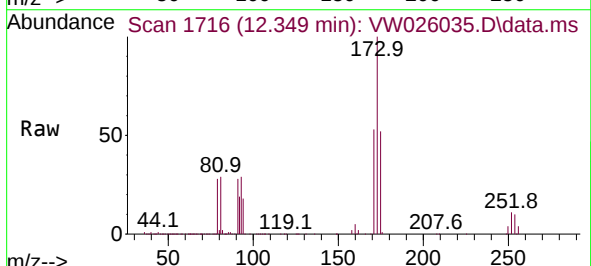
Tgt Ion: 173 Resp: 108430

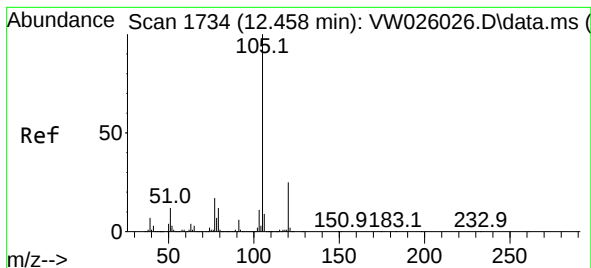
Ion Ratio Lower Upper

173 100

175 49.4 38.6 57.8

254 9.8 7.6 11.4





#60

Isopropylbenzene

Concen: 28.659 ug/L

RT: 12.464 min Scan# 1735

Delta R.T. 0.006 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025498

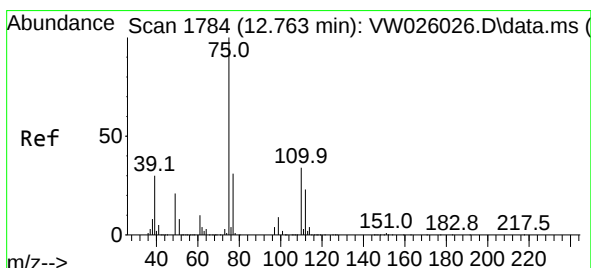
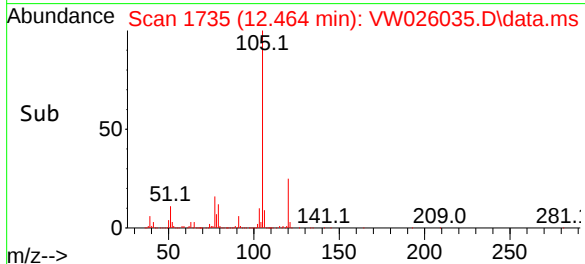
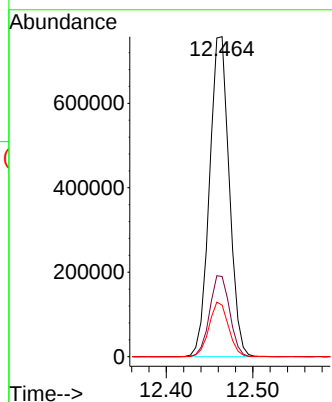
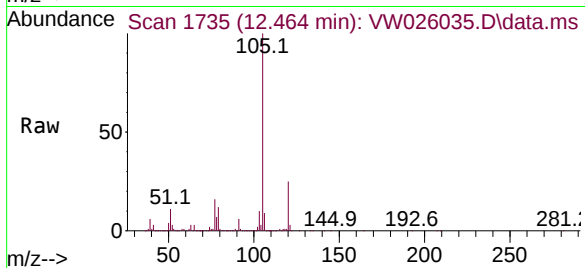
Tgt Ion:105 Resp: 1198512

Ion Ratio Lower Upper

105 100

120 25.8 21.1 31.7

77 16.7 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 25.654 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

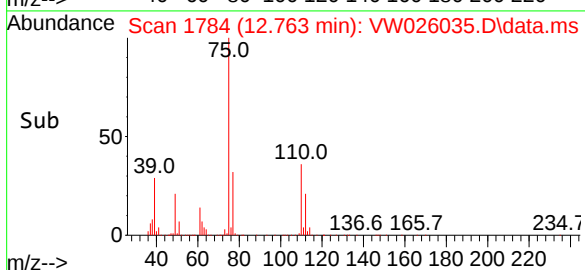
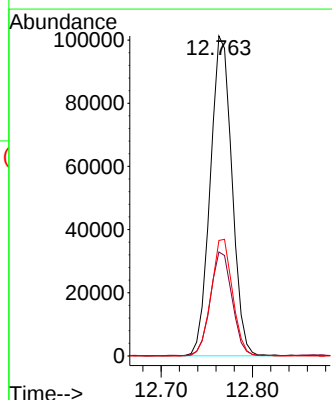
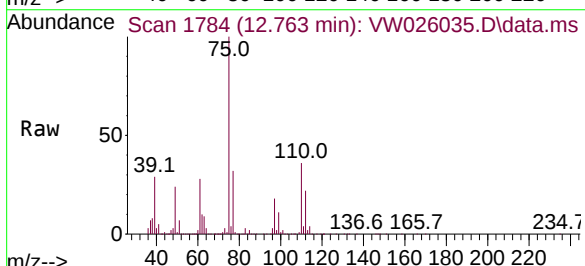
Tgt Ion: 75 Resp: 166808

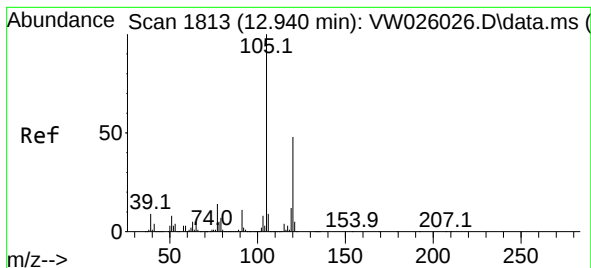
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

110 36.1 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 29.238 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

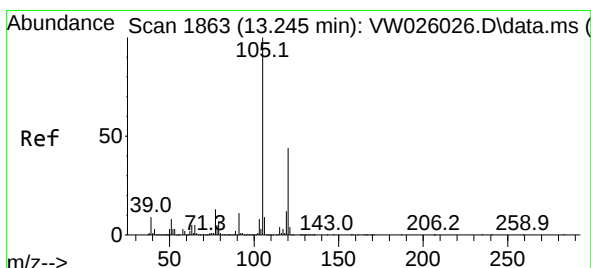
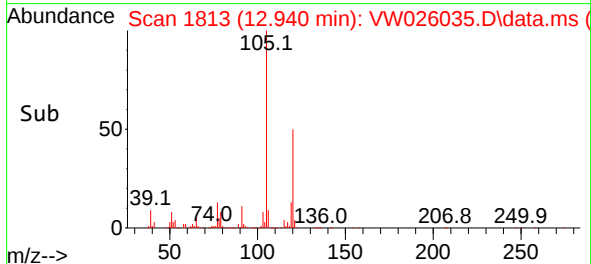
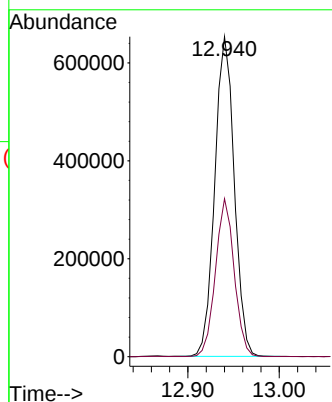
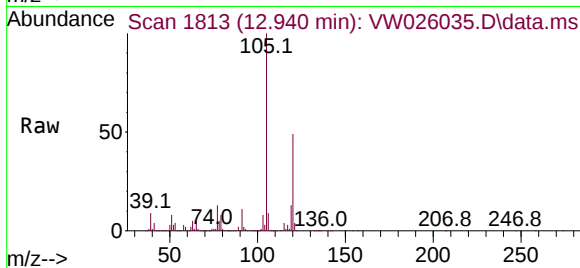
VSTD025498

Tgt Ion:105 Resp: 968461

Ion Ratio Lower Upper

105 100

120 47.6 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 28.873 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026035.D

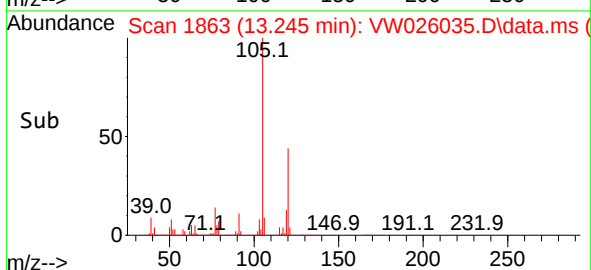
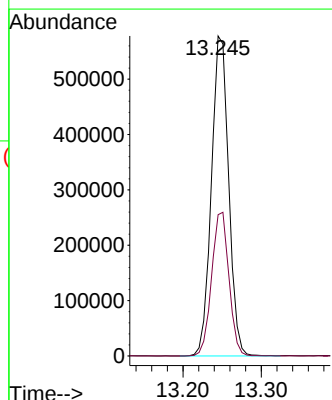
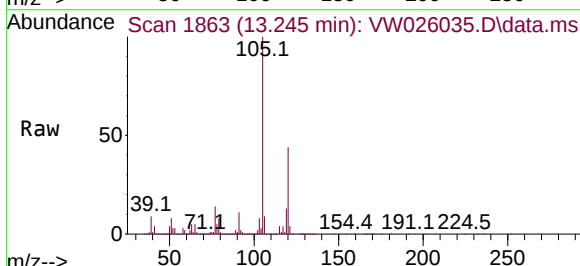
Acq: 25 May 2023 09:10

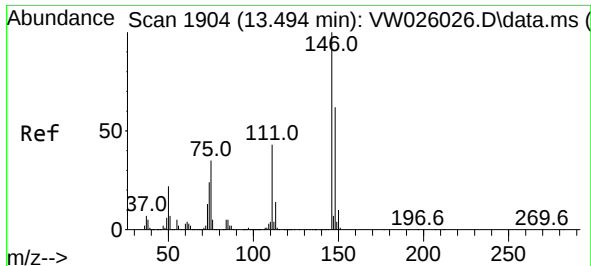
Tgt Ion:105 Resp: 882534

Ion Ratio Lower Upper

105 100

120 45.1 34.7 52.1

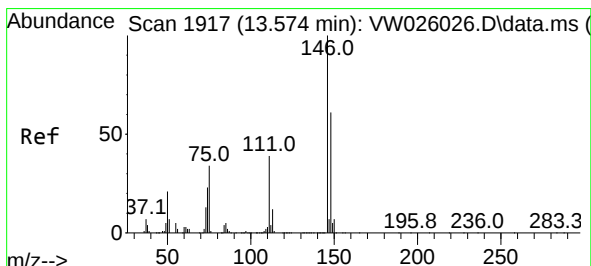
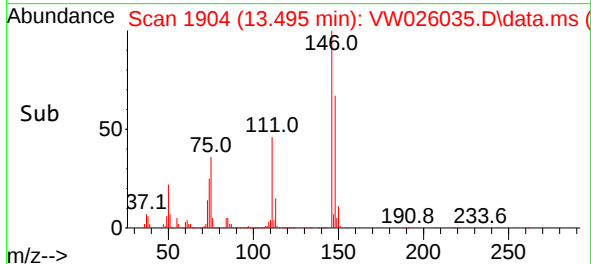
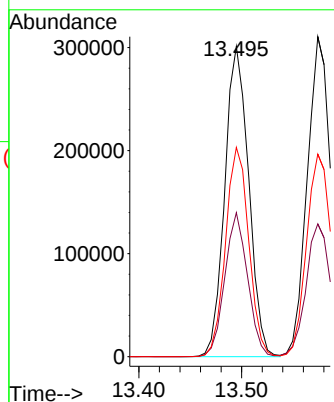
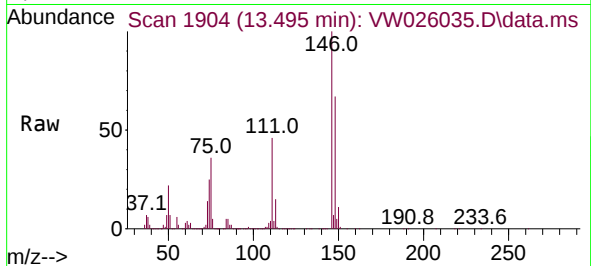




#64
1,3-Dichlorobenzene
Concen: 26.989 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

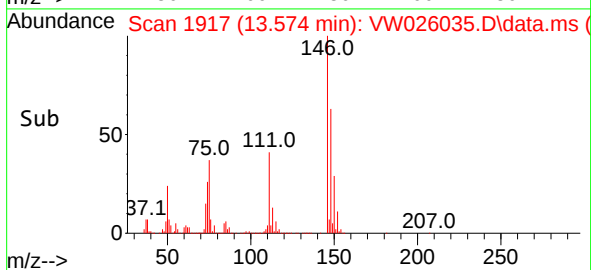
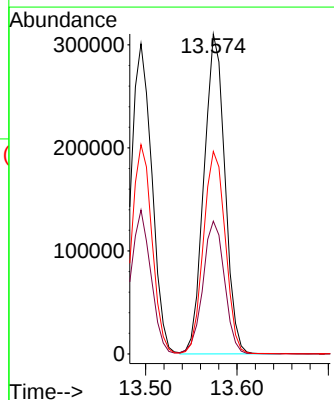
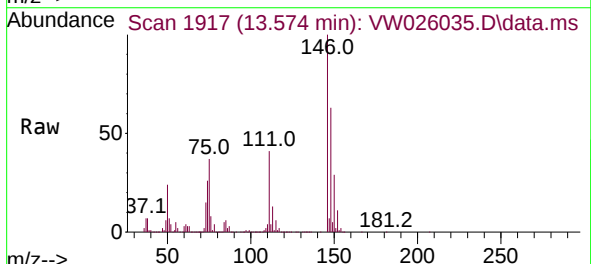
Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

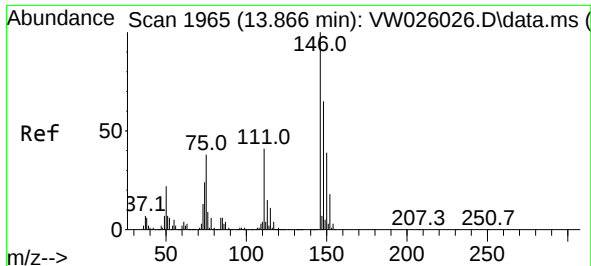
Tgt Ion:146 Resp: 485885
Ion Ratio Lower Upper
146 100
111 46.4 30.4 56.4
148 67.5 40.8 75.8



#65
1,4-Dichlorobenzene
Concen: 27.146 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion:146 Resp: 493739
Ion Ratio Lower Upper
146 100
111 41.5 27.9 51.9
148 63.3 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 27.385 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025498

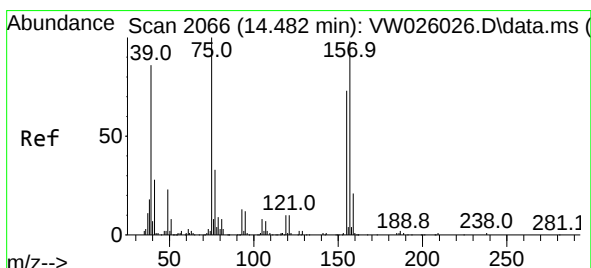
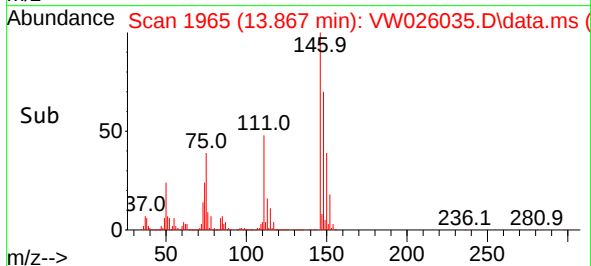
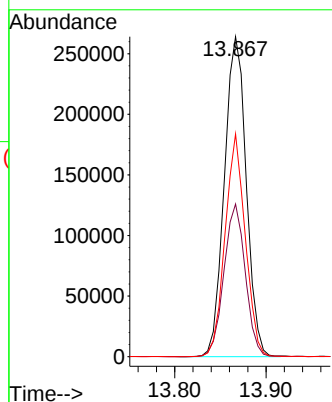
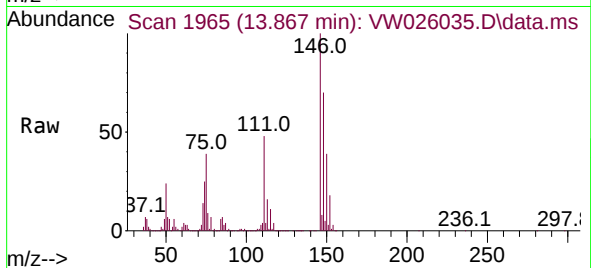
Tgt Ion:146 Resp: 439679

Ion Ratio Lower Upper

146 100

111 47.7 37.7 56.5

148 69.6 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 23.826 ug/L

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

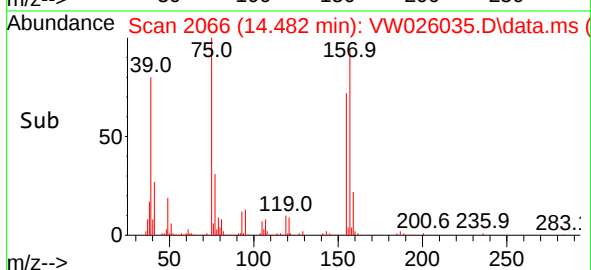
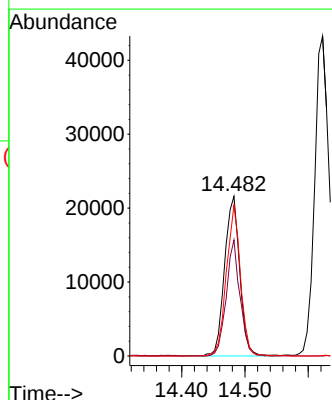
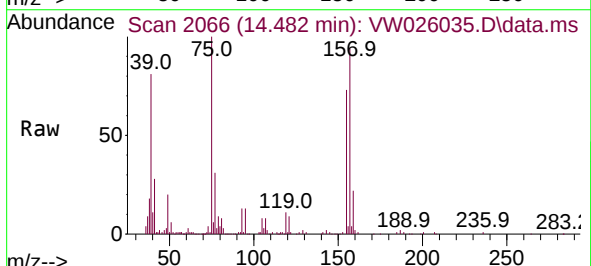
Tgt Ion: 75 Resp: 35924

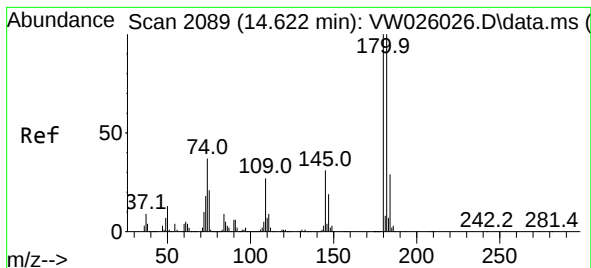
Ion Ratio Lower Upper

75 100

155 72.7 56.3 84.5

157 94.2 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 28.256 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026035.D

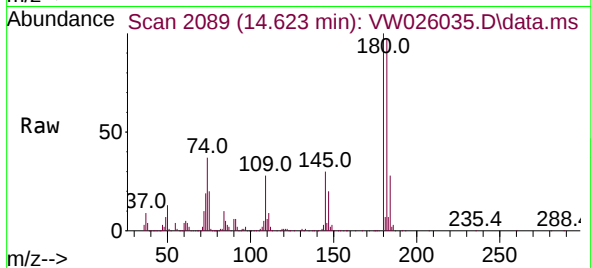
Acq: 25 May 2023 09:10

Instrument :

MSVOA_W

ClientSampleId :

VSTD025498



Tgt Ion:180 Resp: 337666

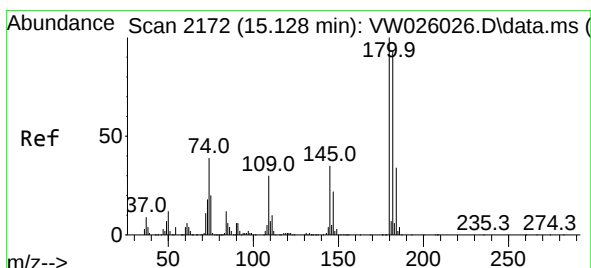
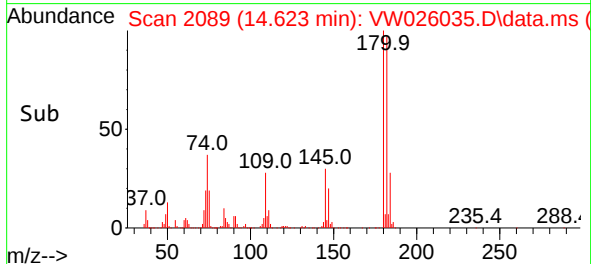
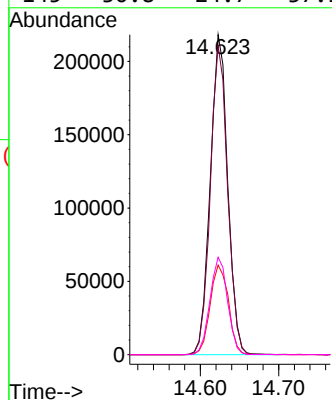
Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.0

184 29.3 24.7 37.1

145 30.8 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 27.252 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026035.D

Acq: 25 May 2023 09:10

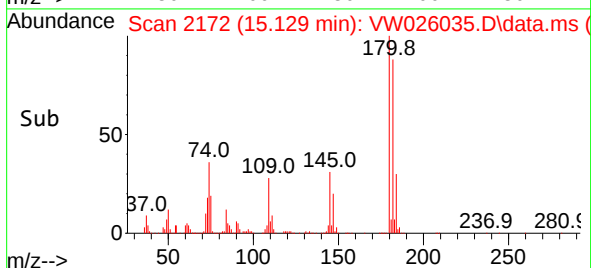
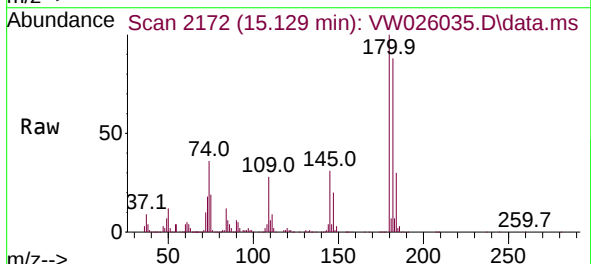
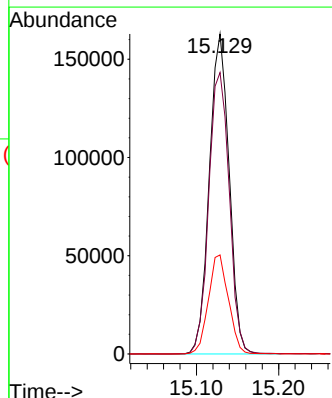
Tgt Ion:180 Resp: 272835

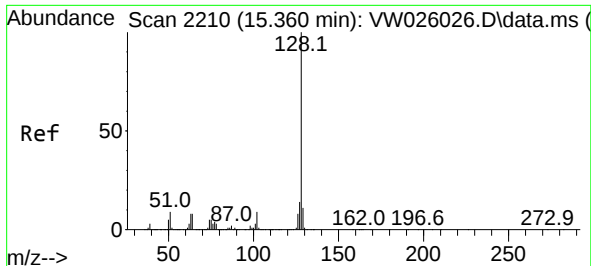
Ion Ratio Lower Upper

180 100

182 91.0 74.3 111.5

145 31.3 25.4 38.0

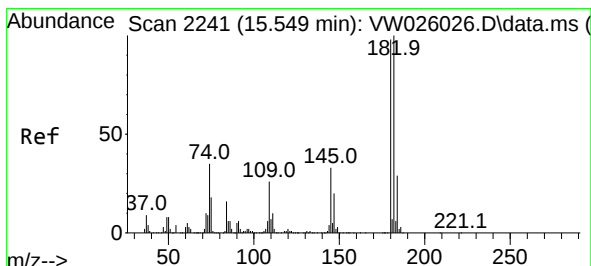
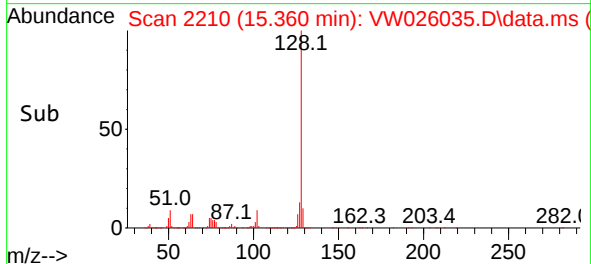
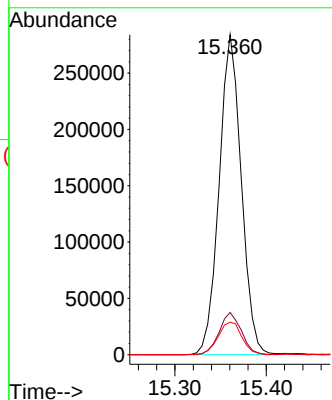
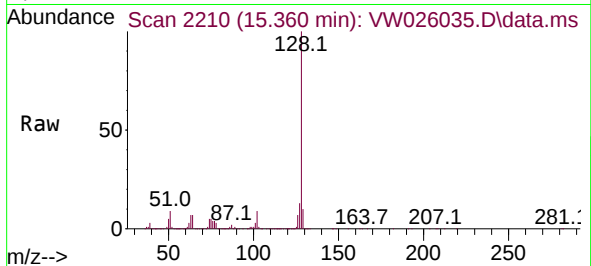




#71
Naphthalene
Concen: 25.344 ug/L
RT: 15.360 min Scan# 2110
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Instrument :
MSVOA_W
ClientSampleId :
VSTD025498

Tgt Ion:128 Resp: 478899
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 11.0 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 27.369 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW026035.D
Acq: 25 May 2023 09:10

Tgt Ion:180 Resp: 243122
Ion Ratio Lower Upper
180 100
182 94.3 76.1 114.1
145 33.4 28.0 42.0

