

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051523\
 Data File : VW025975.D
 Acq On : 15 May 2023 10:48
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025489

Quant Time: May 15 23:31:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sun May 14 22:48:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	612488	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	536917	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	267902	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	194044	22.357	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	89.440%		
7) Chloroethane-d5	2.899	69	162272	25.219	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	100.880%		
11) 1,1-Dichloroethene-d2	4.021	65	94067	21.644	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	86.560%		
21) 2-Butanone-d5	7.075	46	117631	40.996	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	82.000%		
24) Chloroform-d	7.648	84	430678	24.386	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	97.560%		
26) 1,2-Dichloroethane-d4	8.307	65	223634	22.393	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	89.560%		
32) Benzene-d6	8.276	84	857250	24.435	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	97.720%		
36) 1,2-Dichloropropane-d6	9.270	67	277717	24.741	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.960%		
41) Toluene-d8	10.325	98	745415	23.827	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.320%		
43) trans-1,3-Dichloroprop...	10.575	79	99472	21.862	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	87.440%		
47) 2-Hexanone-d5	10.922	63	80909	42.270	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	84.540%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	196568	22.975	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.920%		
66) 1,2-Dichlorobenzene-d4	13.848	152	233898	23.950	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	143639	20.991	ug/L	92
3) Chloromethane	2.223	50	233159	23.109	ug/L	99
5) Vinyl chloride	2.375	62	248937	23.838	ug/L	99
6) Bromomethane	2.789	94	134680	23.712	ug/L	93
8) Chloroethane	2.936	64	146581	24.685	ug/L	95
9) Trichlorofluoromethane	3.265	101	180460	22.898	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	204143	23.817	ug/L #	71
12) 1,1-Dichloroethene	4.045	96	192047	23.445	ug/L	98
13) Acetone	4.119	43	85056	33.431	ug/L	99
14) Carbon disulfide	4.393	76	604303	21.815	ug/L	100
15) Methyl Acetate	4.667	43	92964	18.542	ug/L	100
16) Methylene chloride	4.917	84	206468	16.346	ug/L	93
17) trans-1,2-Dichloroethene	5.429	96	200909	22.483	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	282526	20.831	ug/L	99
19) 1,1-Dichloroethane	6.216	63	430962	23.473	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	218151	22.754	ug/L	97
22) 2-Butanone	7.167	43	119168	33.921	ug/L	98
23) Bromochloromethane	7.514	128	90676	22.326	ug/L	96
25) Chloroform	7.673	83	404681	23.982	ug/L	98

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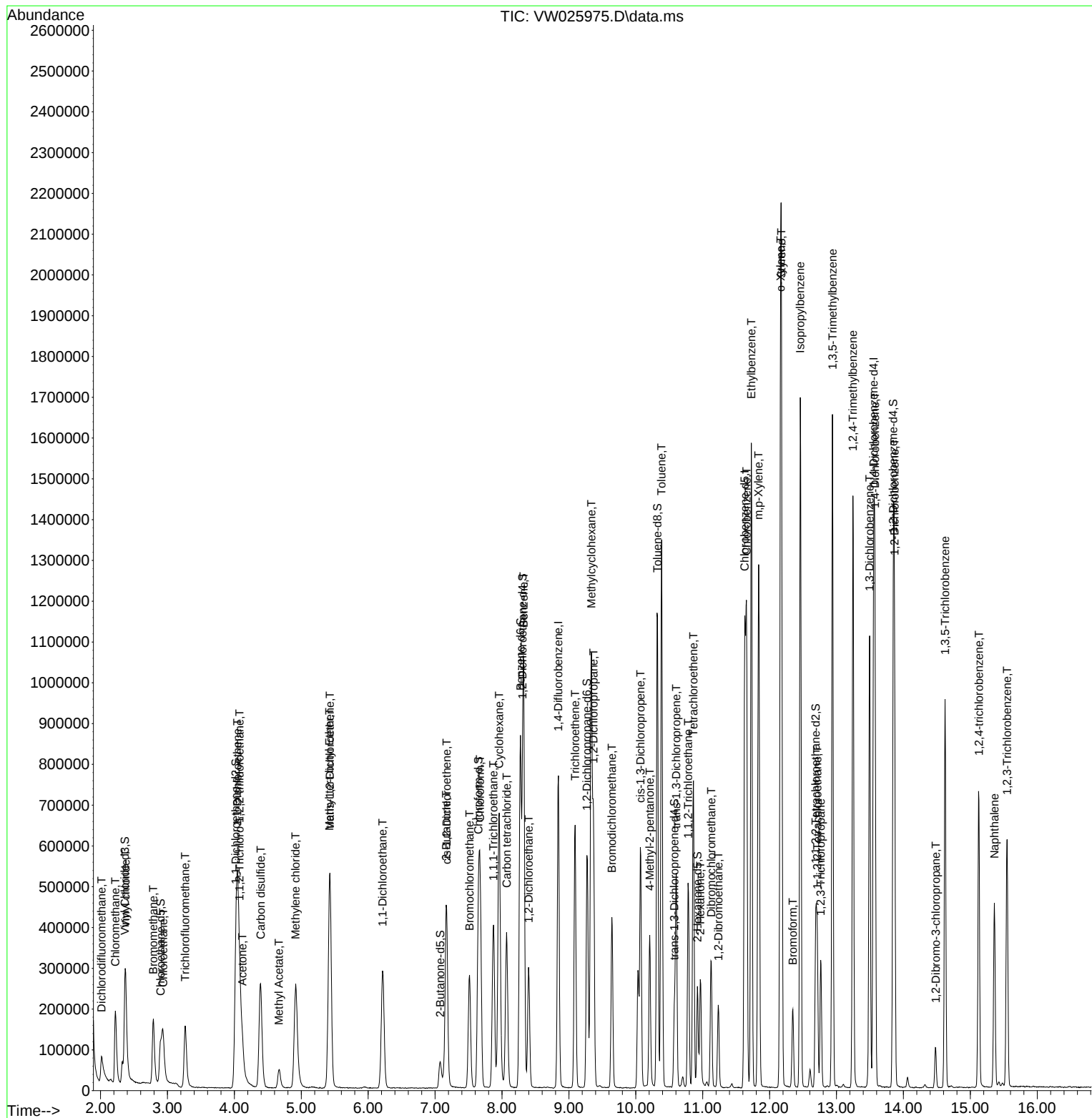
Instrument :
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 ClientSampleId :
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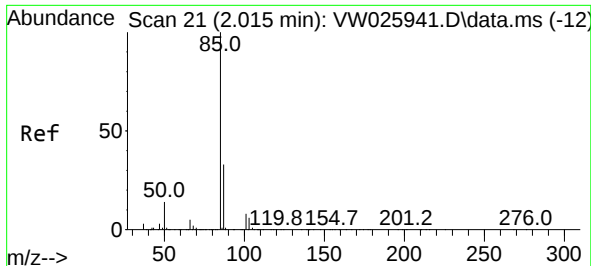
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 Quant Title : SFAM01.0
 QLast Update : Sun May 14 22:48:01 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	263511	21.988	ug/L	100
29) Cyclohexane	7.959	56	385487	23.168	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	321577	24.490	ug/L	99
31) Carbon tetrachloride	8.069	117	282710	23.924	ug/L	99
33) Benzene	8.325	78	905397	24.374	ug/L	100
34) Trichloroethene	9.093	95	224180	23.518	ug/L	98
35) Methylcyclohexane	9.337	83	404064	23.834	ug/L	99
37) 1,2-Dichloropropane	9.368	63	243563	23.932	ug/L	99
38) Bromodichloromethane	9.642	83	276907	23.716	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	341618	22.889	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	259930	39.238	ug/L	99
42) Toluene	10.386	91	933344	24.590	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	276318	22.344	ug/L	98
45) 1,1,2-Trichloroethane	10.782	97	154086	22.633	ug/L	96
46) Tetrachloroethene	10.861	164	162797	24.276	ug/L	94
48) 2-Hexanone	10.965	43	178299	37.571	ug/L	98
49) Dibromochloromethane	11.129	129	165242	23.445	ug/L	92
50) 1,2-Dibromoethane	11.233	107	136360	21.727	ug/L	99
51) Chlorobenzene	11.654	112	566520	24.094	ug/L	97
52) Ethylbenzene	11.727	91	1056794	24.752	ug/L	100
53) m,p-Xylene	11.837	106	390008	24.819	ug/L	96
54) o-Xylene	12.166	106	368054	24.850	ug/L	94
55) Styrene	12.178	104	637405	25.143	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.715	83	183412	21.591	ug/L	97
59) Bromoform	12.349	173	84990	21.418	ug/L	99
60) Isopropylbenzene	12.458	105	1013948	24.899	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	128322	20.267	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	806144	24.994	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	738788	24.822	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	410976	23.444	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	424079	23.945	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	368534	23.573	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.483	75	27268	18.573	ug/L	94
69) 1,3,5-Trichlorobenzene	14.623	180	273468	23.501	ug/L	95
70) 1,2,4-trichlorobenzene	15.129	180	216770	22.236	ug/L	98
71) Naphthalene	15.360	128	366436	19.915	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	195817	22.638	ug/L	96

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

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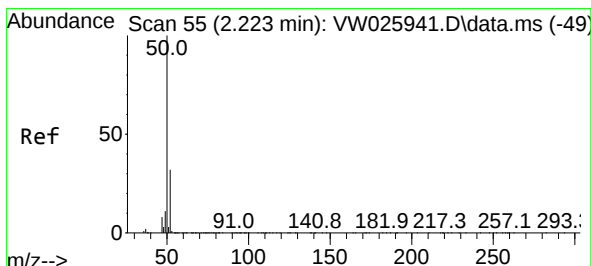
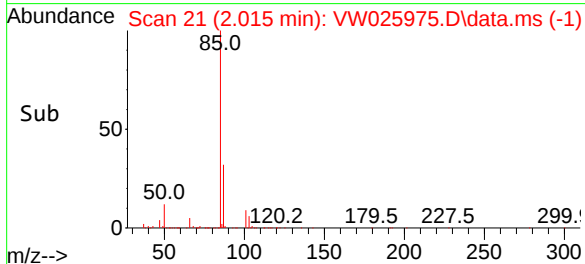
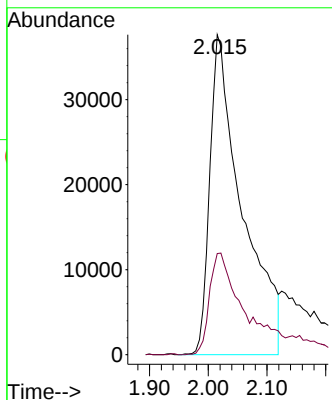
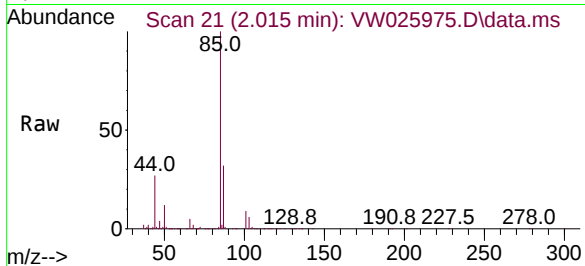




#2
 Dichlorodifluoromethane
 Concen: 20.991 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

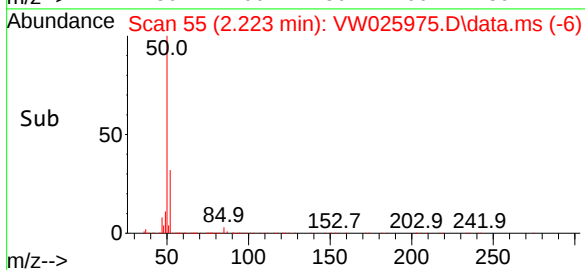
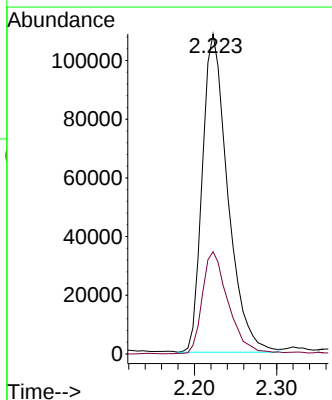
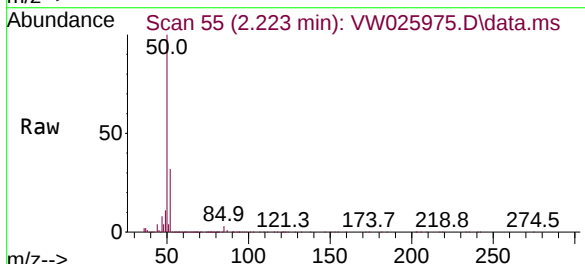
Instrument :
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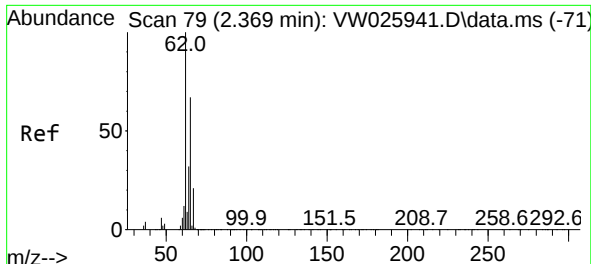
Tgt Ion: 85 Resp: 143639
 Ion Ratio Lower Upper
 85 100
 87 26.3 24.7 37.1



#3
 Chloromethane
 Concen: 23.109 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

Tgt Ion: 50 Resp: 233159
 Ion Ratio Lower Upper
 50 100
 52 32.0 22.1 41.1

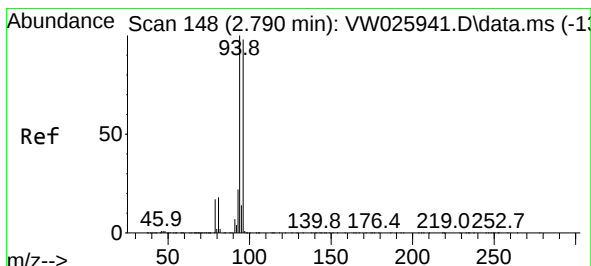
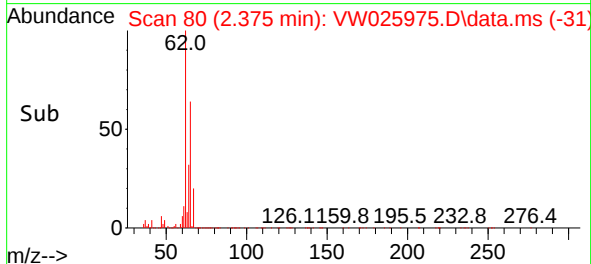
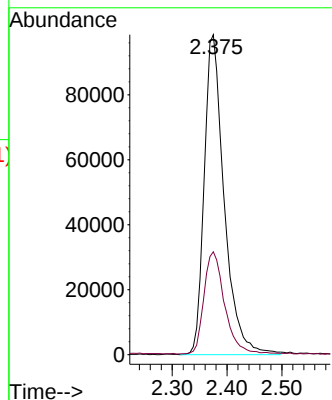
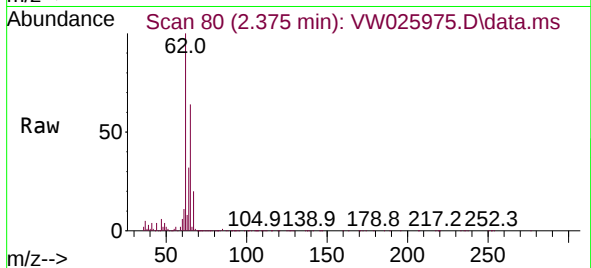




#5
 Vinyl chloride
 Concen: 23.838 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

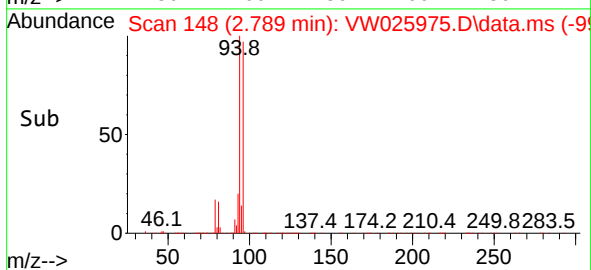
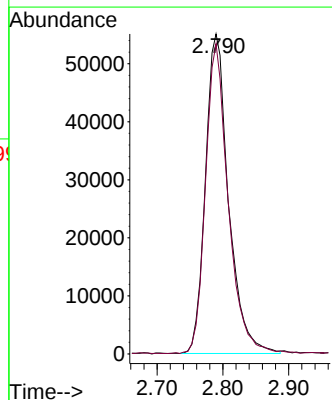
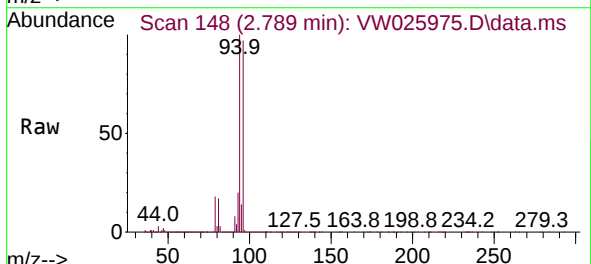
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 ClientSampleId :
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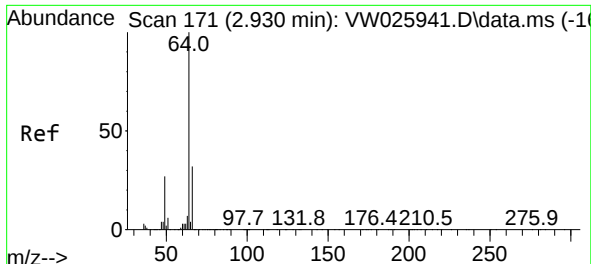
Tgt Ion: 62 Resp: 248937
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.7 42.3



#6
 Bromomethane
 Concen: 23.712 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. -0.000 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

Tgt Ion: 94 Resp: 134680
 Ion Ratio Lower Upper
 94 100
 96 97.0 63.1 117.1

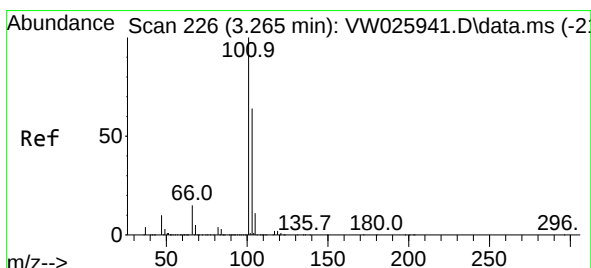
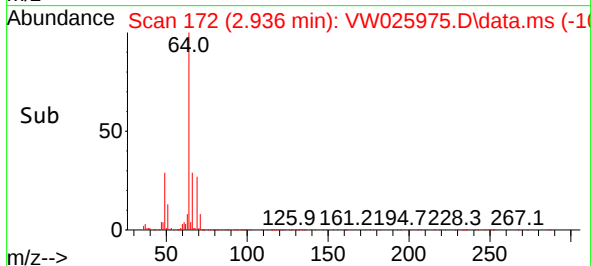
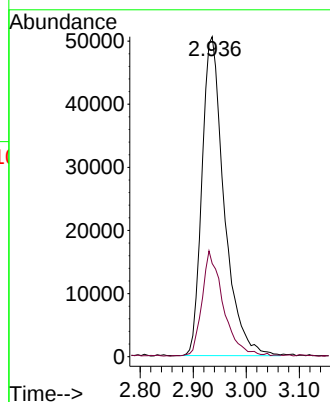
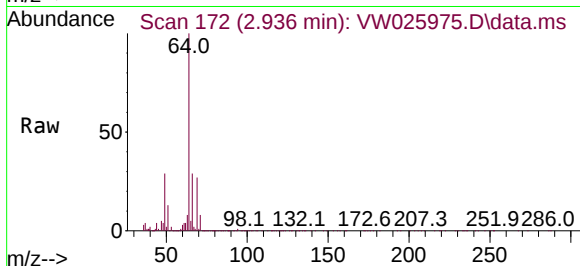




#8
Chloroethane
Concen: 24.685 ug/L
RT: 2.936 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

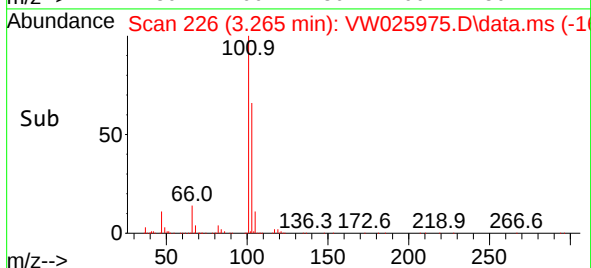
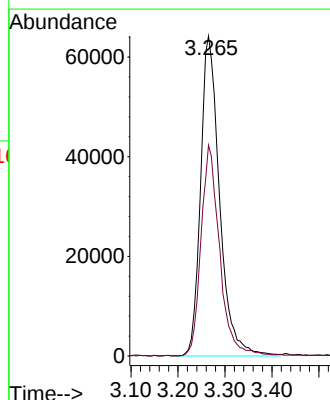
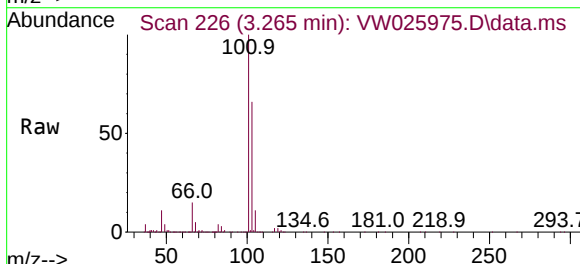
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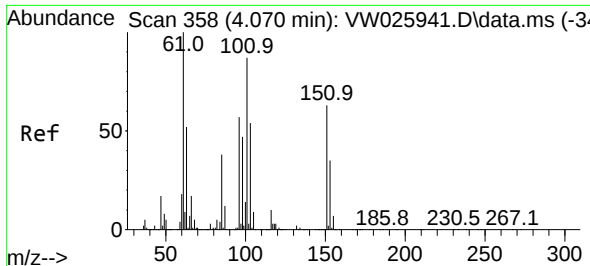
Tgt Ion: 64 Resp: 146581
Ion Ratio Lower Upper
64 100
66 29.1 22.3 41.3



#9
Trichlorofluoromethane
Concen: 22.898 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 101 Resp: 180460
Ion Ratio Lower Upper
101 100
103 62.9 50.6 76.0

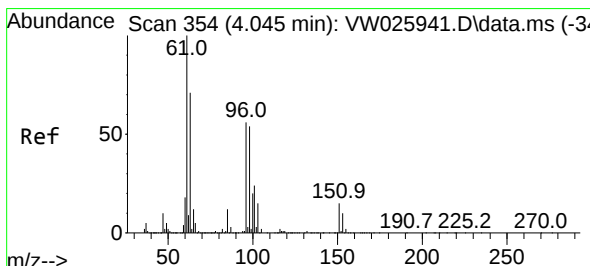
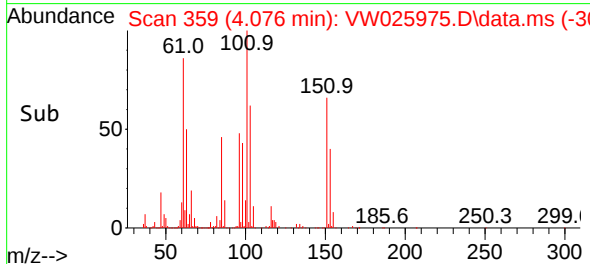
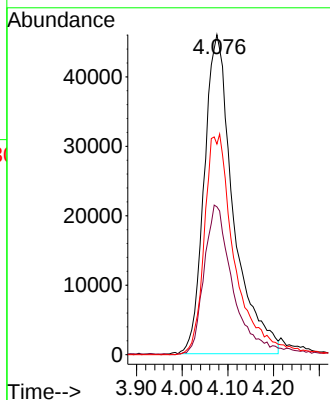
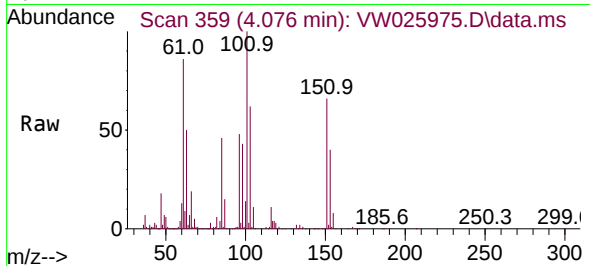




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.817 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

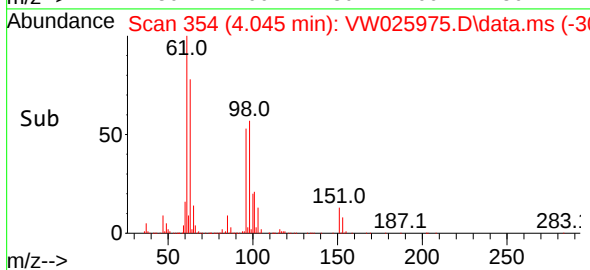
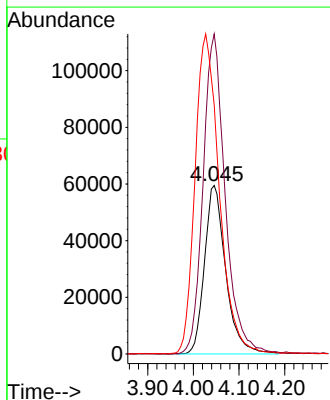
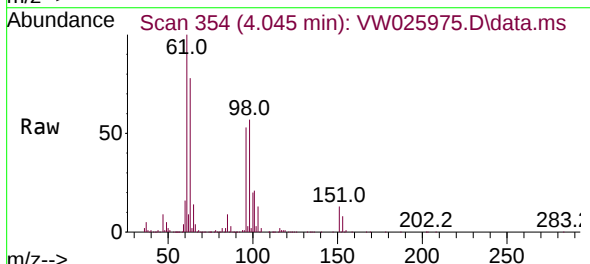
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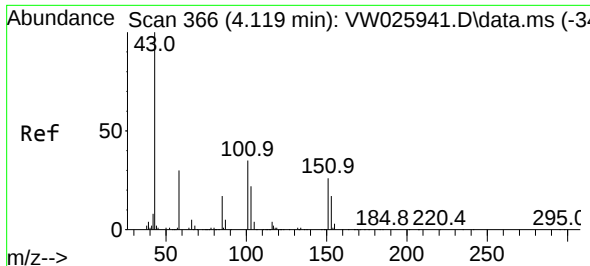
Tgt Ion:101 Resp: 204143
 Ion Ratio Lower Upper
 101 100
 85 45.4 33.9 50.9
 151 31.4 54.2 81.2#



#12
 1,1-Dichloroethene
 Concen: 23.445 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. -0.000 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

Tgt Ion: 96 Resp: 192047
 Ion Ratio Lower Upper
 96 100
 61 190.0 135.0 250.8
 63 148.0 104.9 194.7

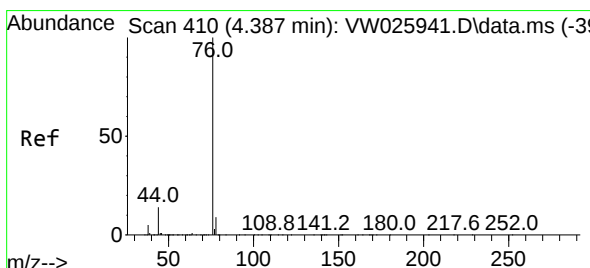
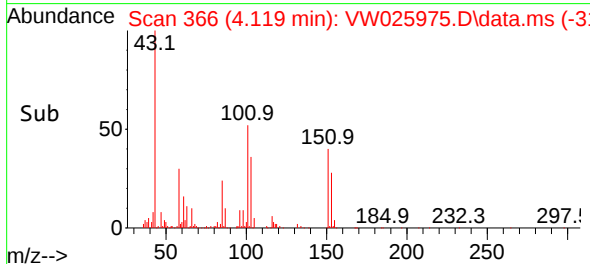
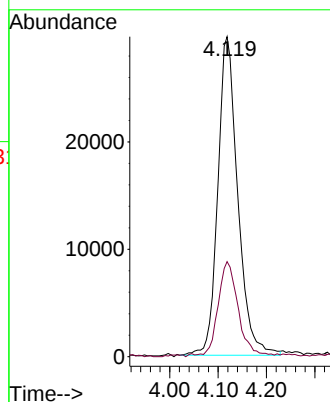
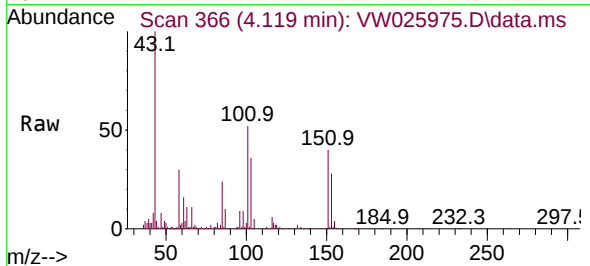




#13
Acetone
Concen: 33.431 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

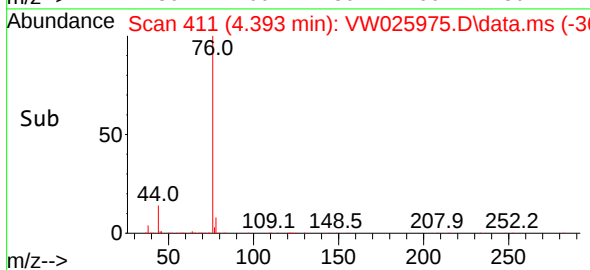
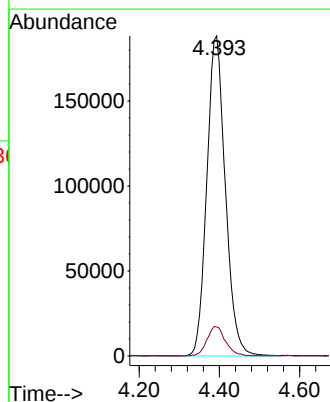
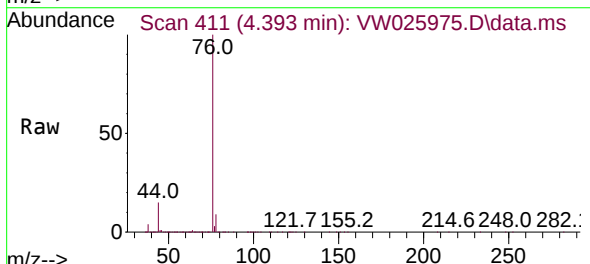
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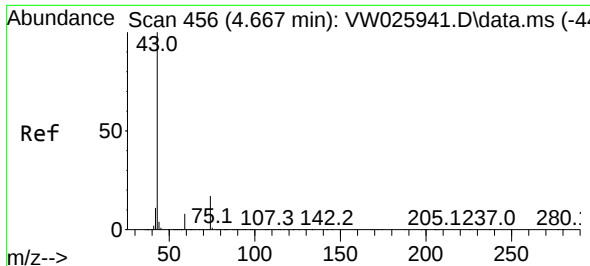
Tgt Ion: 43 Resp: 85056
Ion Ratio Lower Upper
43 100
58 28.5 0.0 58.2



#14
Carbon disulfide
Concen: 21.815 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 76 Resp: 604303
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

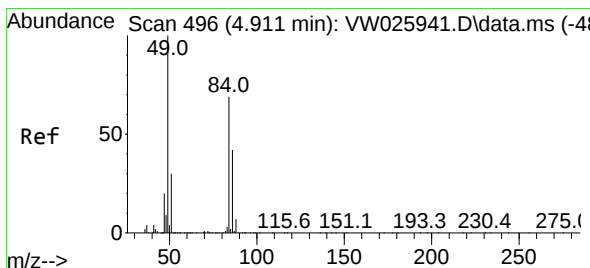
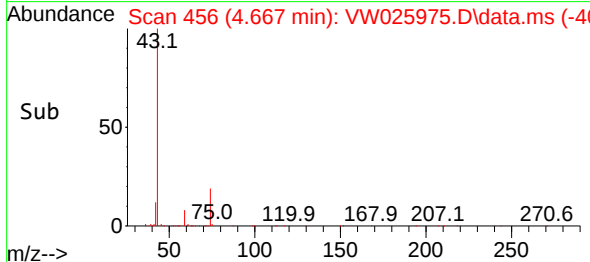
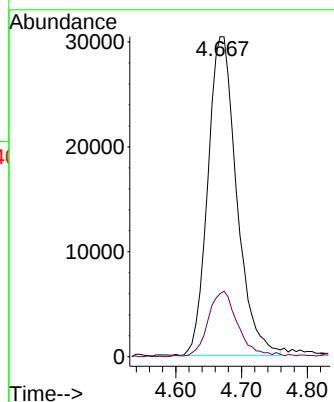
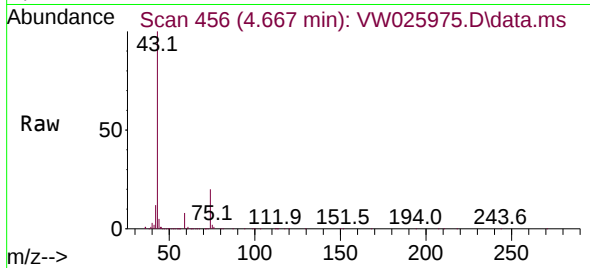




#15
Methyl Acetate
Concen: 18.542 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

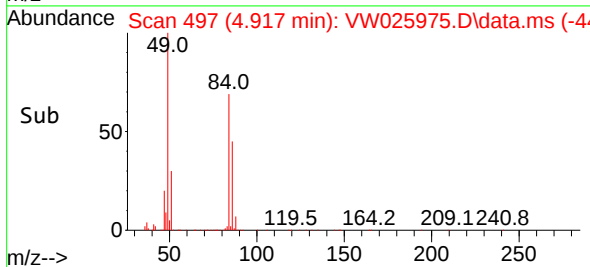
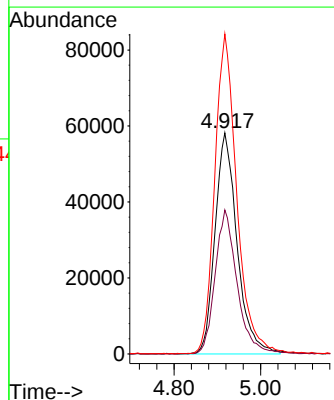
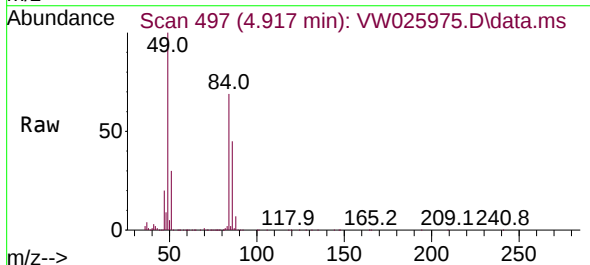
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

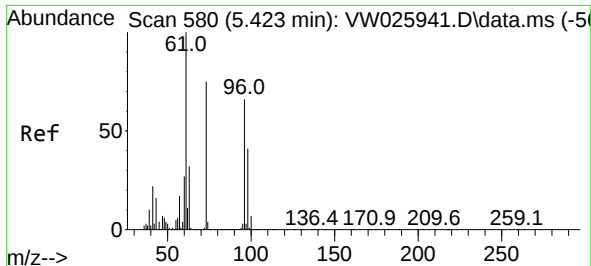
Tgt Ion: 43 Resp: 92964
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7



#16
Methylene chloride
Concen: 16.346 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 84 Resp: 206468
Ion Ratio Lower Upper
84 100
86 65.1 41.7 77.5
49 144.7 95.3 177.1

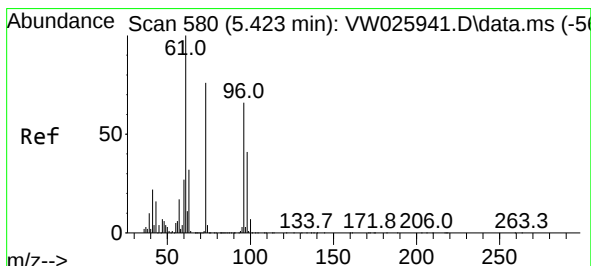
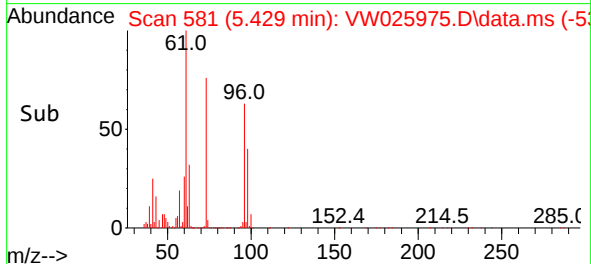
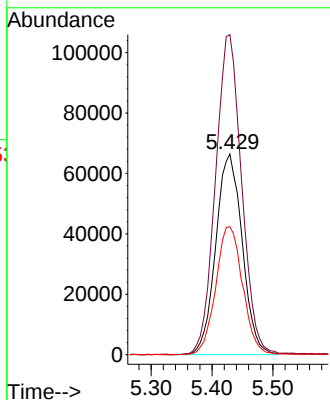
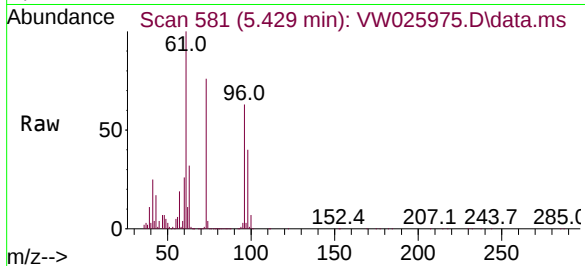




#17
trans-1,2-Dichloroethene
Concen: 22.483 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

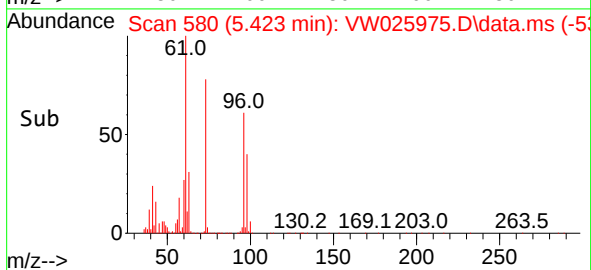
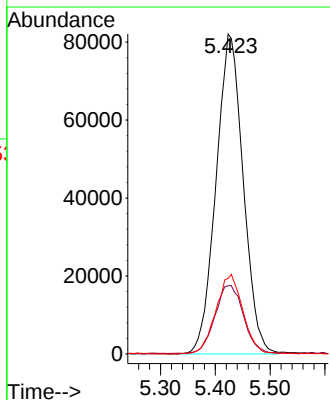
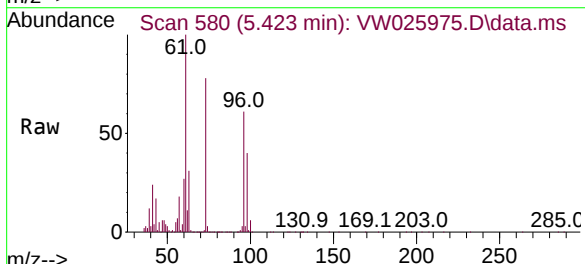
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

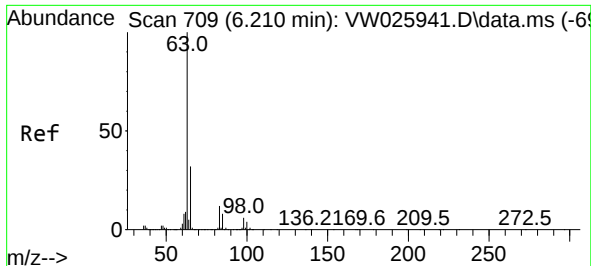
Tgt Ion: 96 Resp: 200909
Ion Ratio Lower Upper
96 100
61 159.4 108.1 200.9
98 63.8 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 20.831 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 73 Resp: 282526
Ion Ratio Lower Upper
73 100
43 22.3 18.2 27.4
57 24.7 19.2 28.8





#19

1,1-Dichloroethane

Concen: 23.473 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

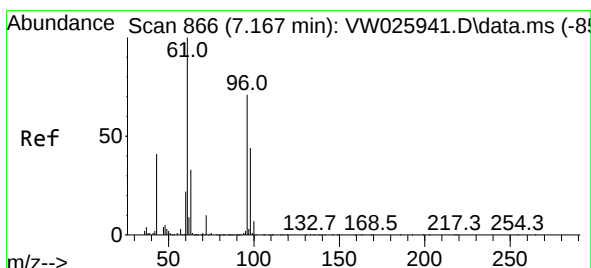
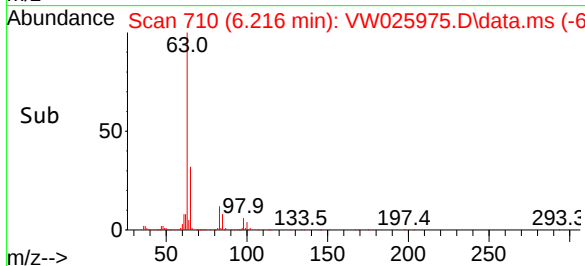
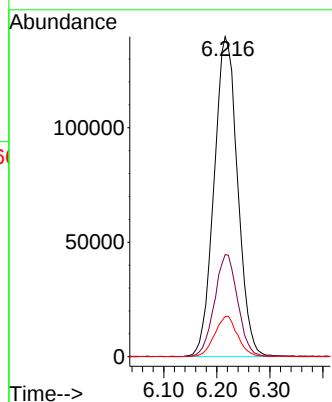
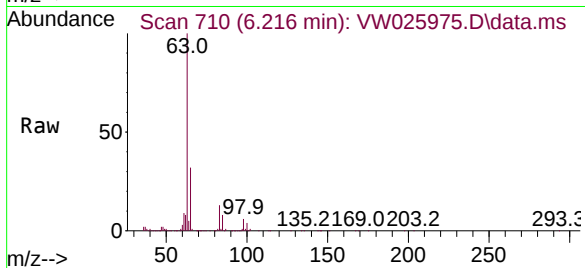
Tgt Ion: 63 Resp: 430962

Ion Ratio Lower Upper

63 100

65 31.9 22.4 41.6

83 12.5 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 22.754 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

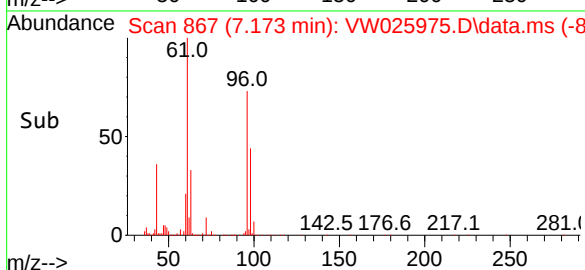
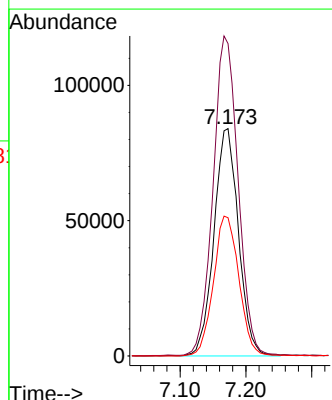
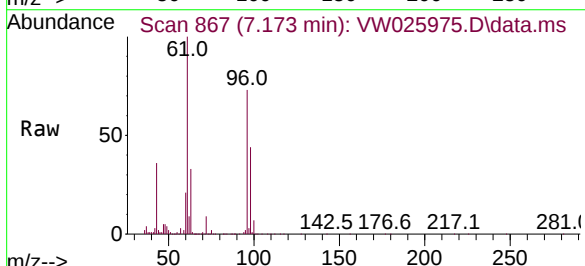
Tgt Ion: 96 Resp: 218151

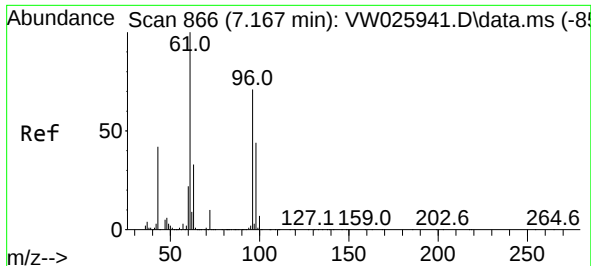
Ion Ratio Lower Upper

96 100

61 137.4 98.6 183.0

98 60.8 45.2 84.0

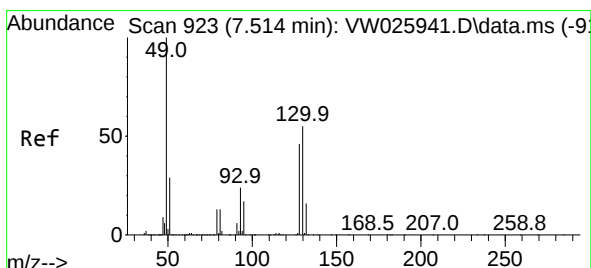
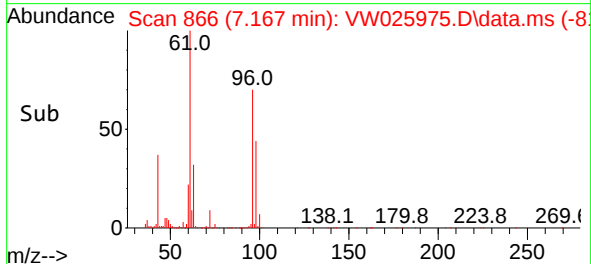
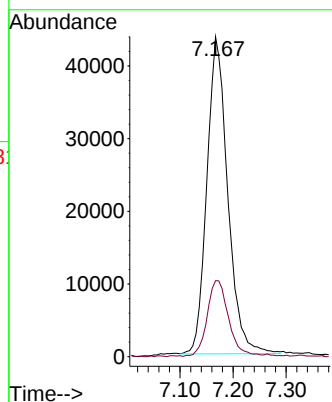
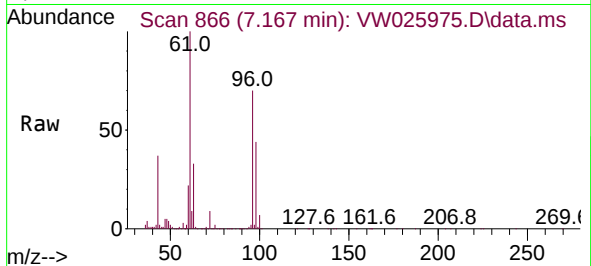




#22
2-Butanone
Concen: 33.921 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

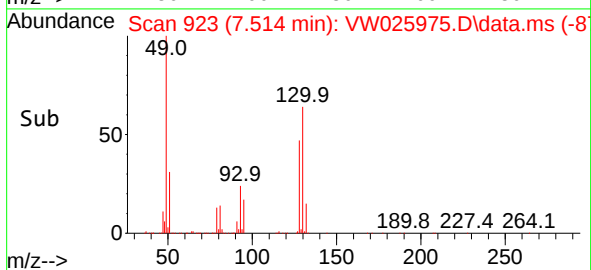
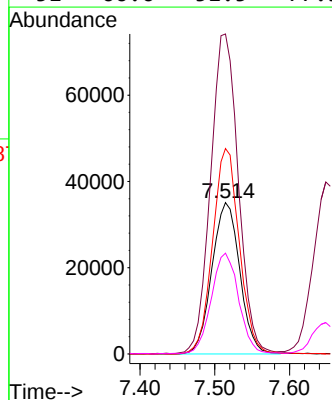
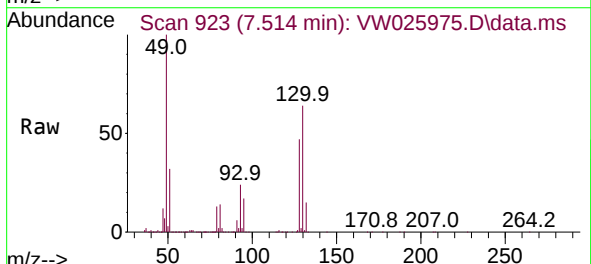
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

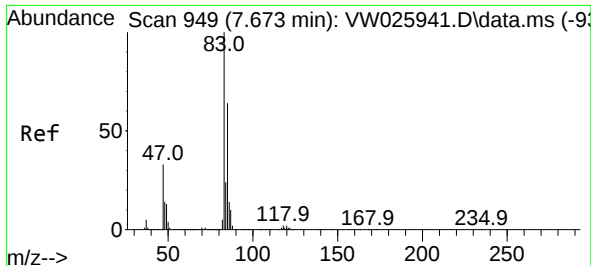
Tgt Ion: 43 Resp: 119168
Ion Ratio Lower Upper
43 100
72 24.5 11.8 35.4



#23
Bromochloromethane
Concen: 22.326 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 128 Resp: 90676
Ion Ratio Lower Upper
128 100
49 211.4 151.5 281.5
130 135.7 91.3 169.6
51 66.6 51.5 77.3

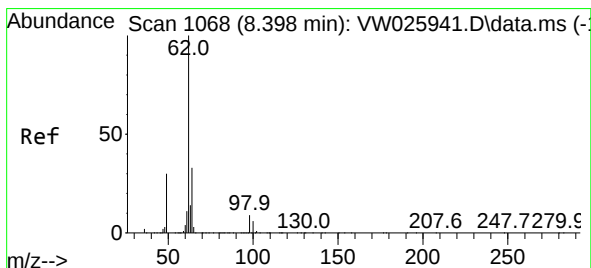
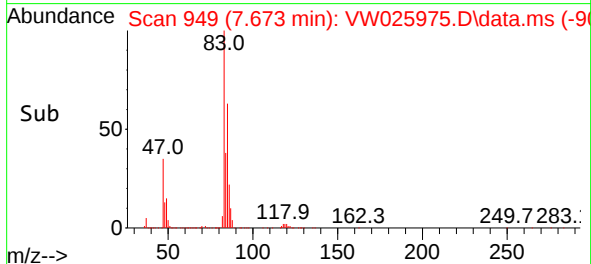
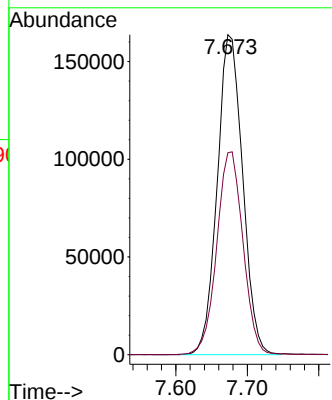
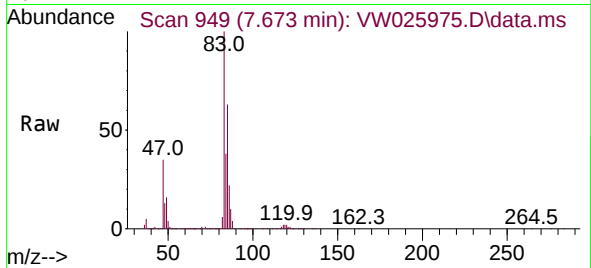




#25
Chloroform
Concen: 23.982 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

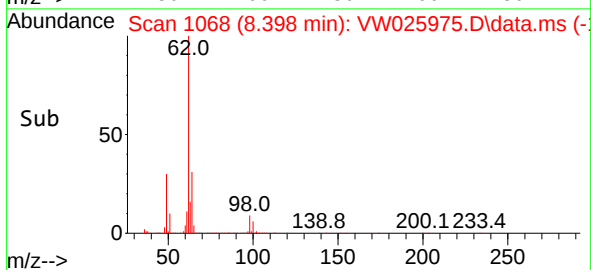
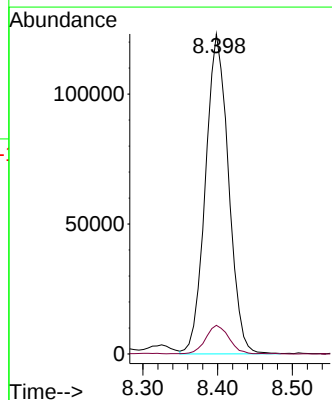
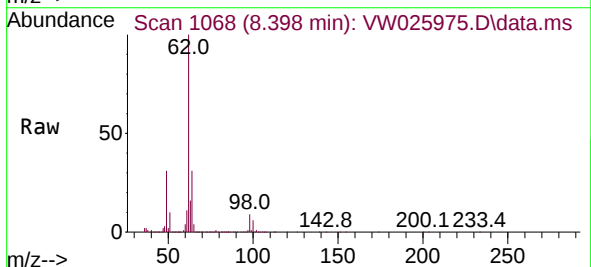
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

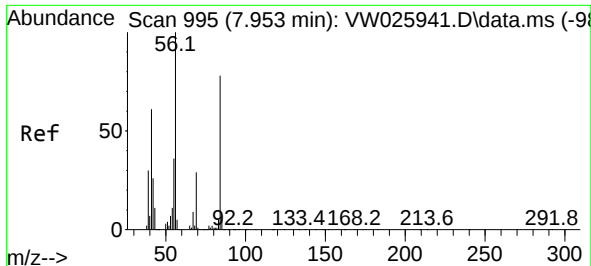
Tgt Ion: 83 Resp: 404681
Ion Ratio Lower Upper
83 100
85 63.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 21.988 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 62 Resp: 263511
Ion Ratio Lower Upper
62 100
98 9.0 7.2 10.8





#29

Cyclohexane

Concen: 23.168 ug/L

RT: 7.959 min Scan# 996

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

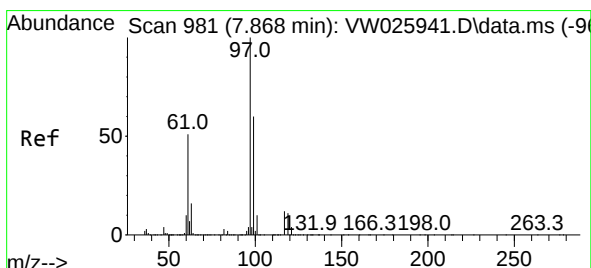
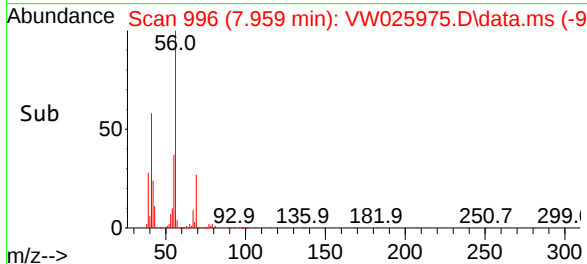
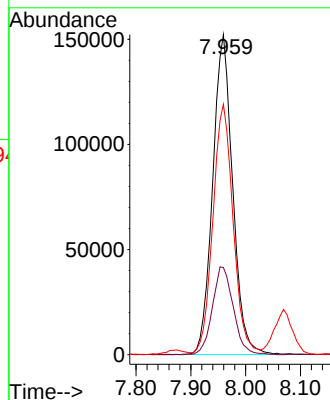
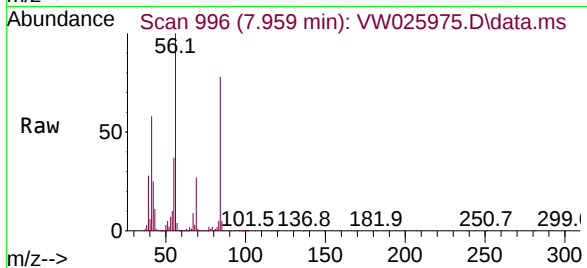
Tgt Ion: 56 Resp: 385487

Ion Ratio Lower Upper

56 100

69 28.6 23.4 35.0

84 79.2 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 24.490 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.006 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

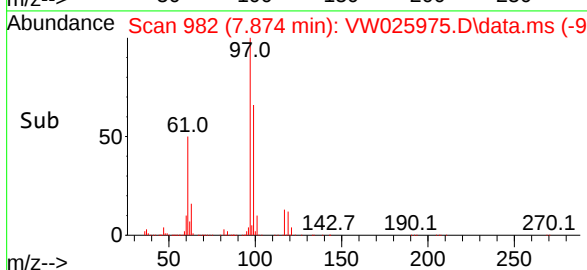
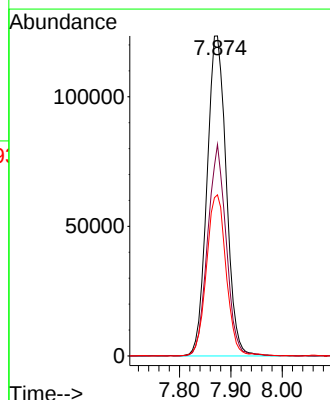
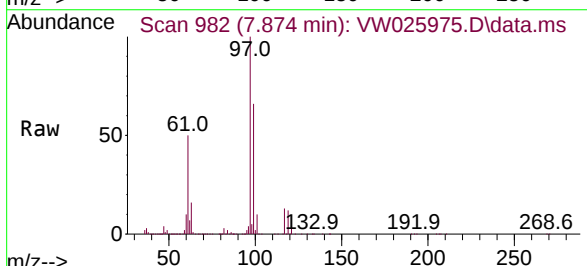
Tgt Ion: 97 Resp: 321577

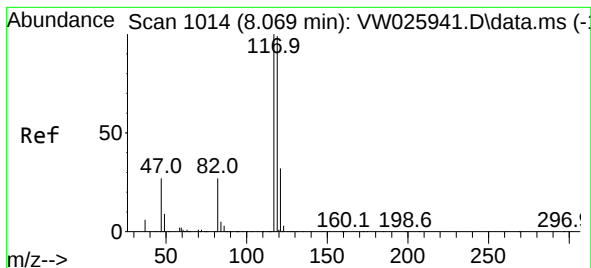
Ion Ratio Lower Upper

97 100

99 63.1 51.1 76.7

61 50.9 40.4 60.6





#31

Carbon tetrachloride

Concen: 23.924 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.006 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

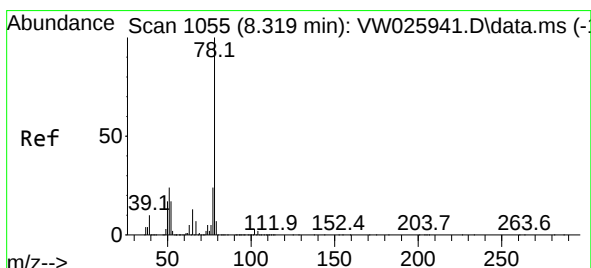
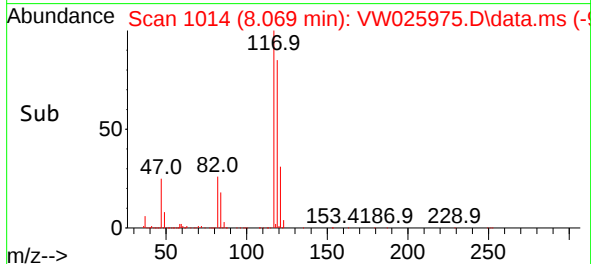
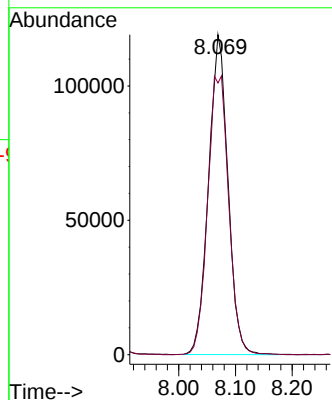
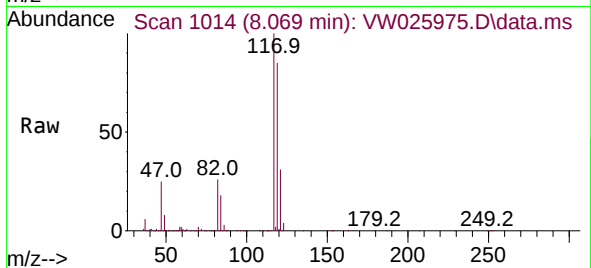
VSTD025489

Tgt Ion:117 Resp: 282710

Ion Ratio Lower Upper

117 100

119 95.0 76.9 115.3



#33

Benzene

Concen: 24.374 ug/L

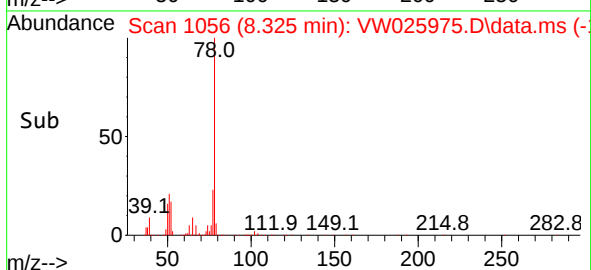
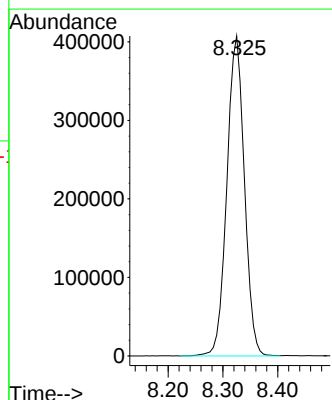
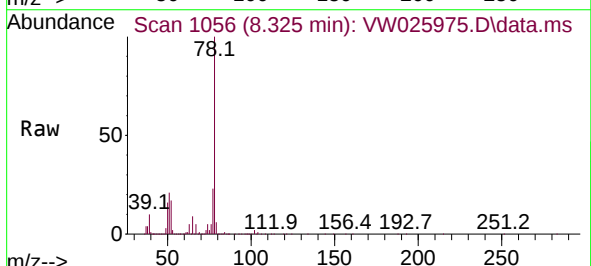
RT: 8.325 min Scan# 1056

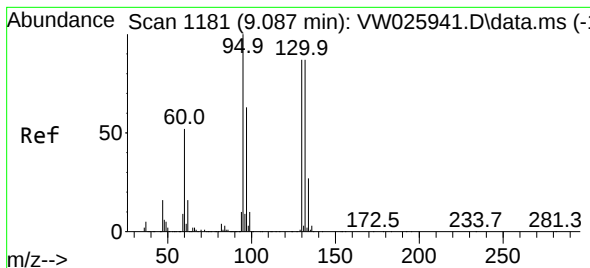
Delta R.T. 0.006 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Tgt Ion: 78 Resp: 905397





#34

Trichloroethene

Concen: 23.518 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

Tgt Ion: 95 Resp: 224180

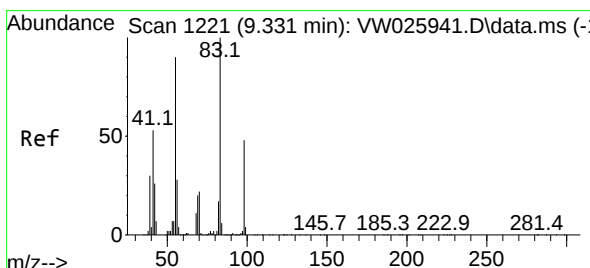
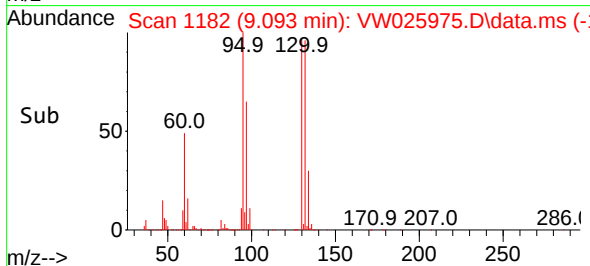
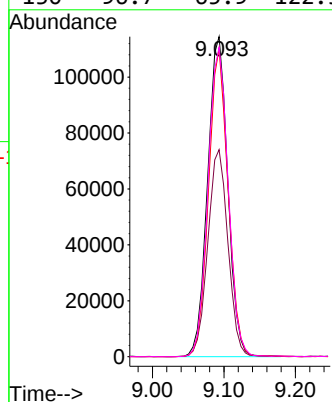
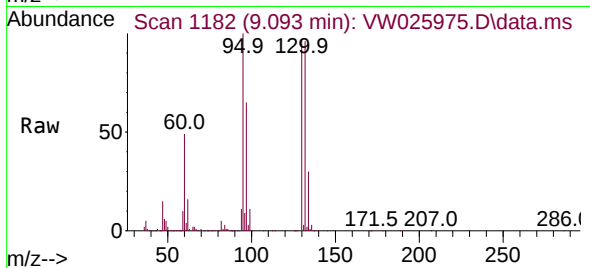
Ion Ratio Lower Upper

95 100

97 64.7 45.9 85.3

132 96.3 66.0 122.6

130 96.7 65.9 122.3



#35

Methylcyclohexane

Concen: 23.834 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

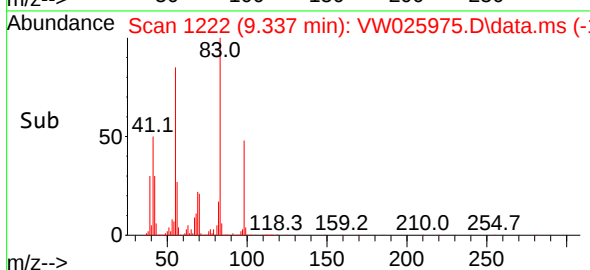
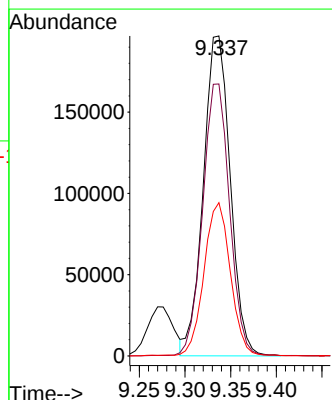
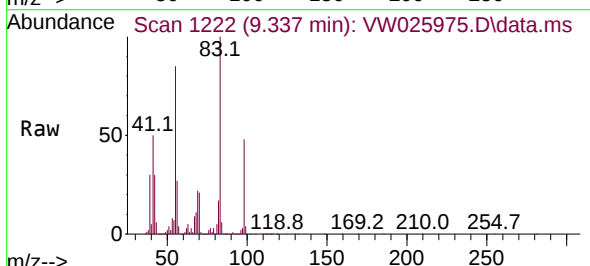
Tgt Ion: 83 Resp: 404064

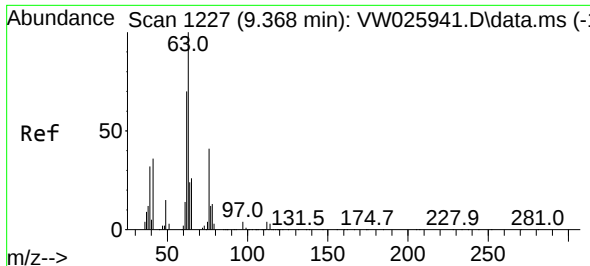
Ion Ratio Lower Upper

83 100

55 84.8 69.0 103.4

98 46.9 37.1 55.7

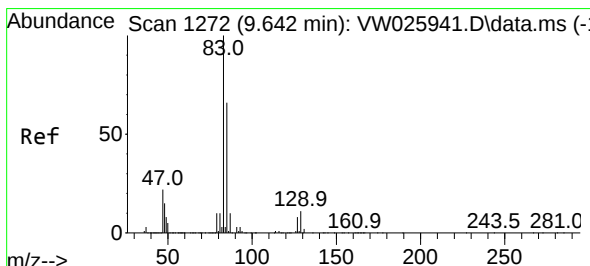
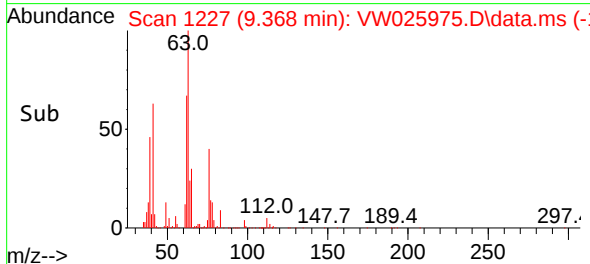
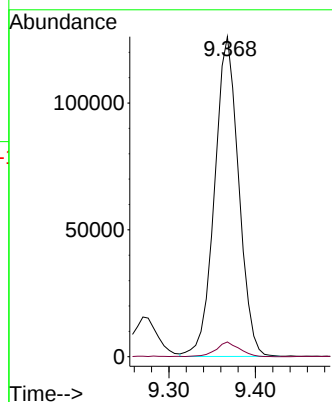
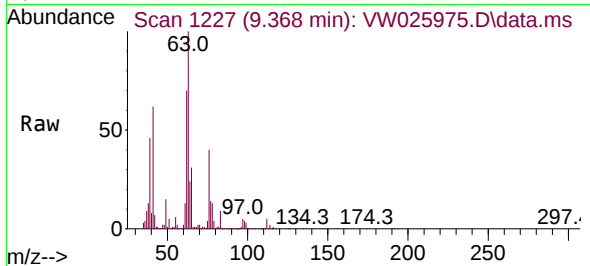




#37
1,2-Dichloropropane
Concen: 23.932 ug/L
RT: 9.368 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

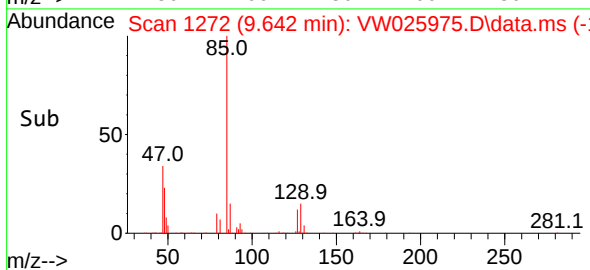
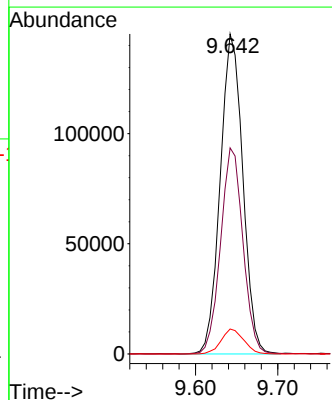
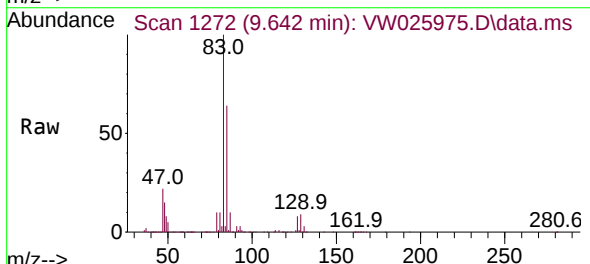
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

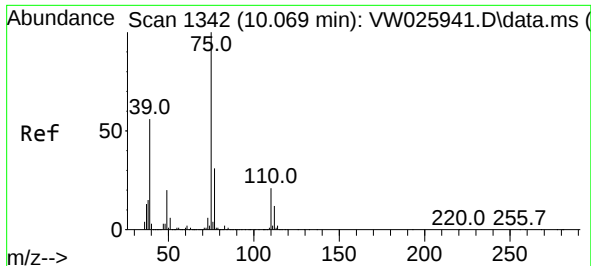
Tgt Ion: 63 Resp: 243563
Ion Ratio Lower Upper
63 100
112 4.5 3.3 4.9



#38
Bromodichloromethane
Concen: 23.716 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 83 Resp: 276907
Ion Ratio Lower Upper
83 100
85 64.4 44.4 82.5
127 7.8 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 22.889 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

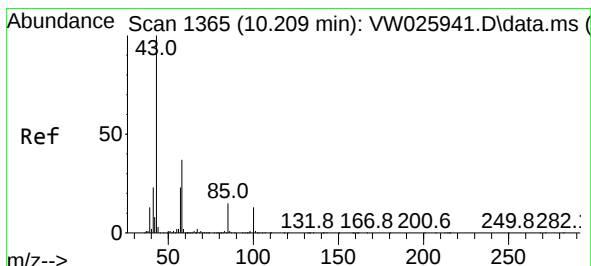
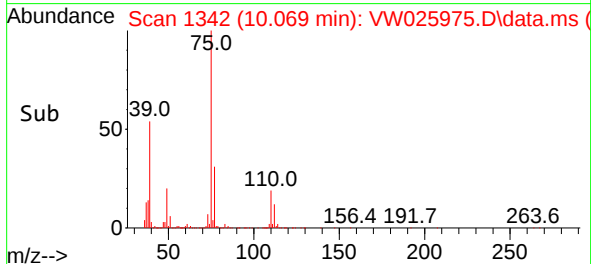
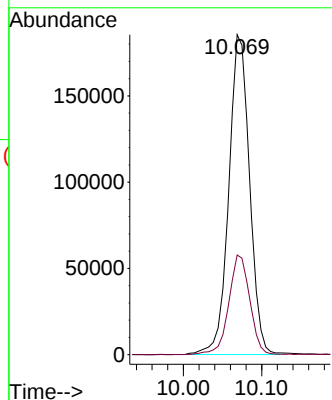
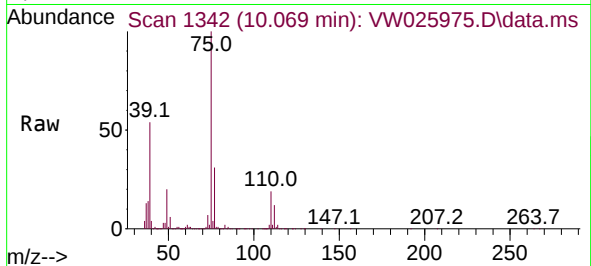
VSTD025489

Tgt Ion: 75 Resp: 341618

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 39.238 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

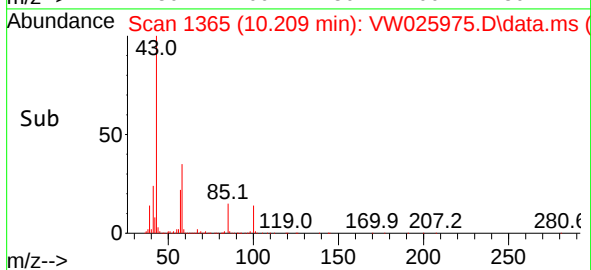
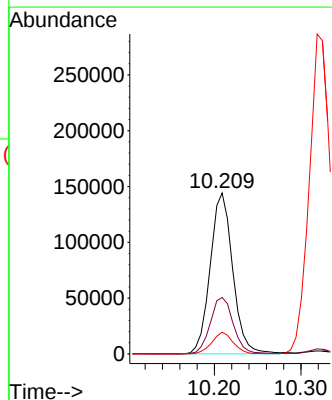
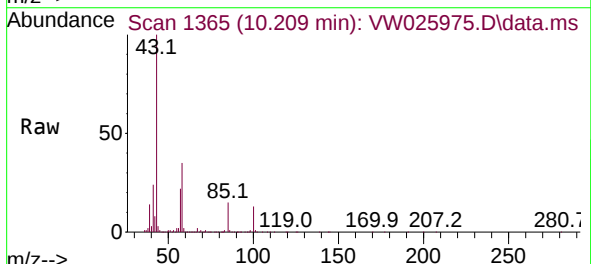
Tgt Ion: 43 Resp: 259930

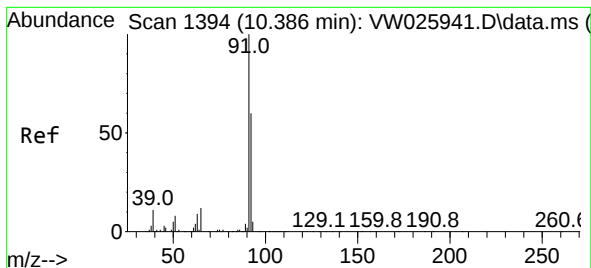
Ion Ratio Lower Upper

43 100

58 36.1 29.4 44.0

100 13.0 10.1 15.1





#42

Toluene

Concen: 24.590 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

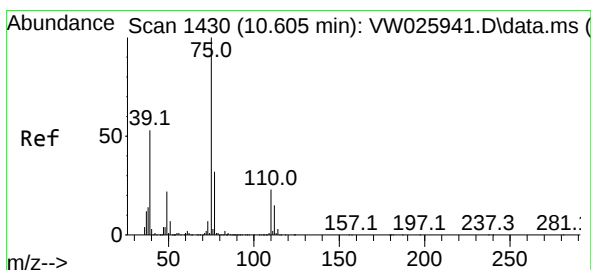
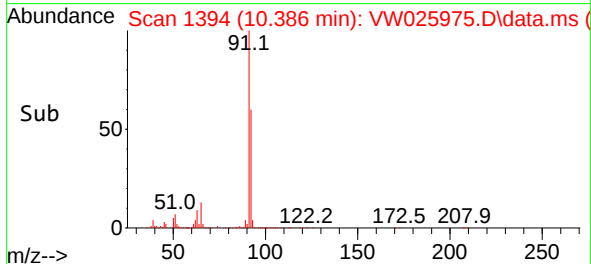
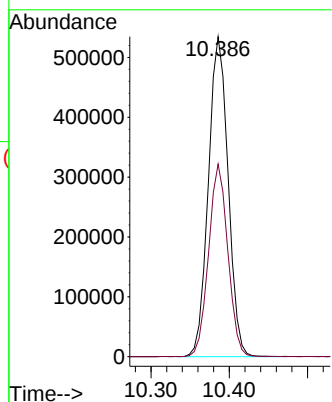
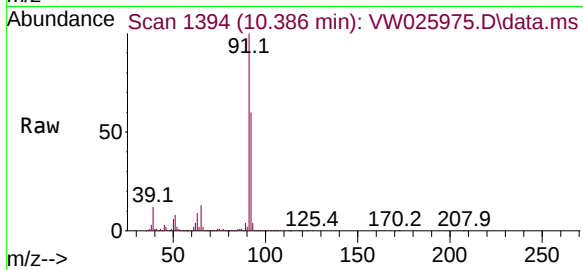
VSTD025489

Tgt Ion: 91 Resp: 933344

Ion Ratio Lower Upper

91 100

92 60.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 22.344 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW025975.D

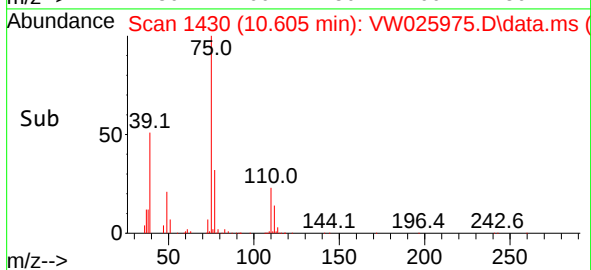
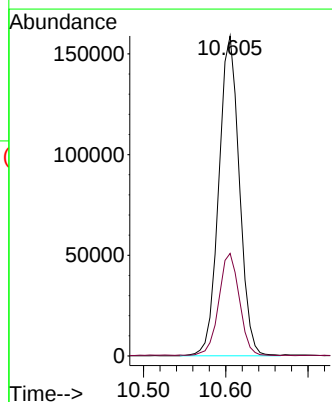
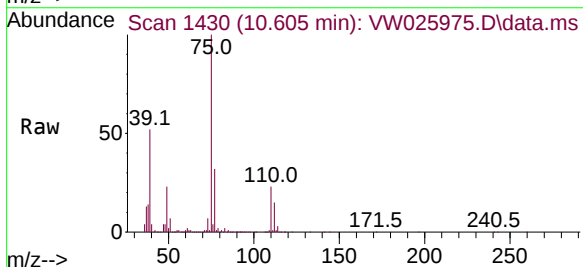
Acq: 15 May 2023 10:48

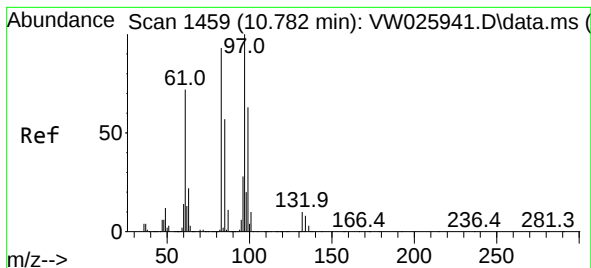
Tgt Ion: 75 Resp: 276318

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 22.633 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

Tgt Ion: 97 Resp: 154086

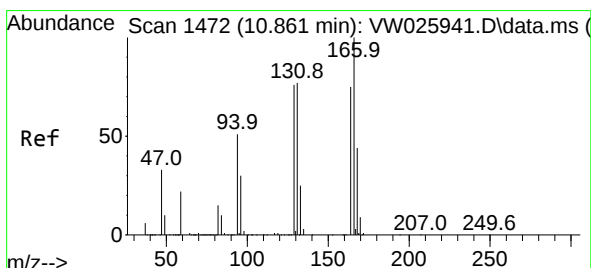
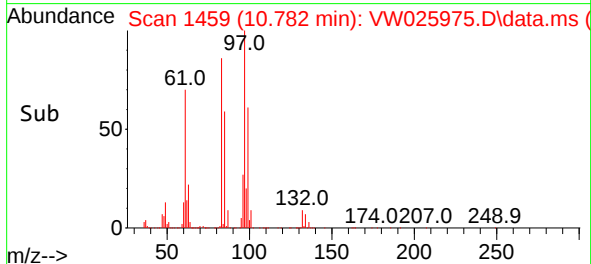
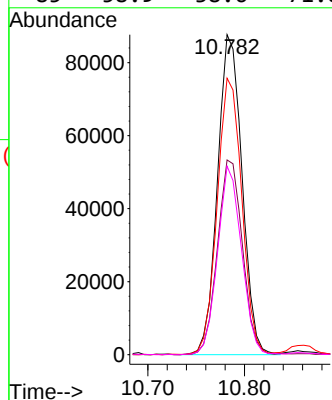
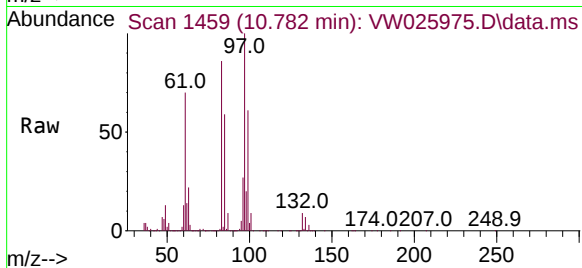
Ion Ratio Lower Upper

97 100

99 60.9 44.5 82.7

83 86.4 63.0 117.0

85 58.9 38.6 71.8



#46

Tetrachloroethene

Concen: 24.276 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Tgt Ion:164 Resp: 162797

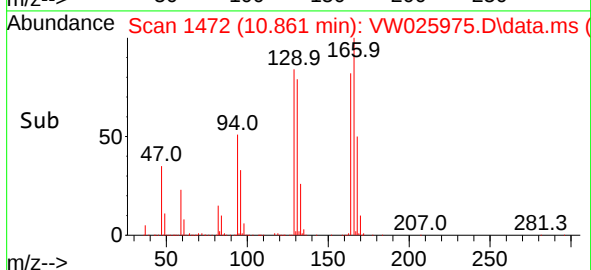
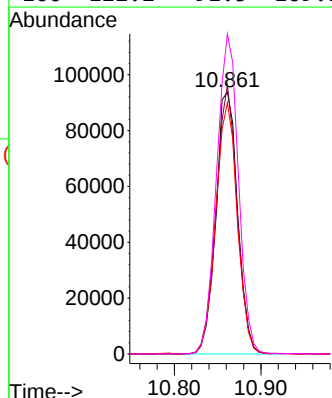
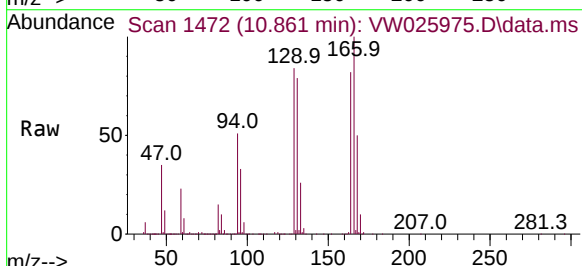
Ion Ratio Lower Upper

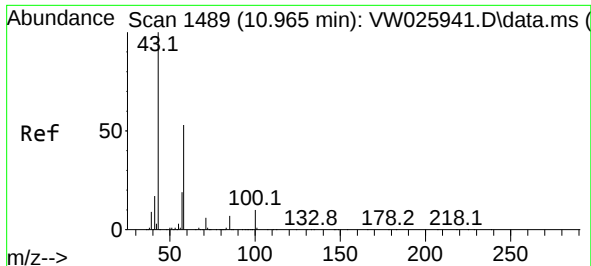
164 100

129 102.7 74.3 138.1

131 95.9 71.3 132.3

166 122.2 91.5 169.9

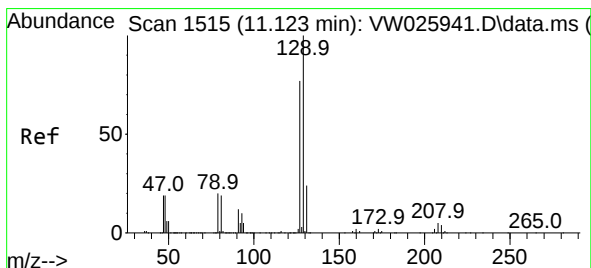
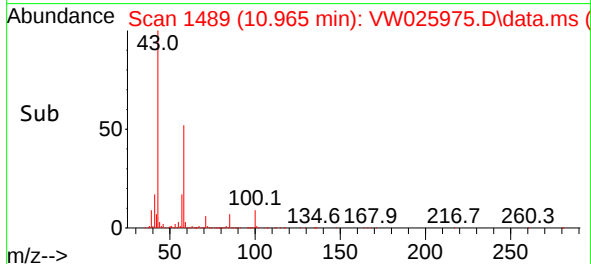
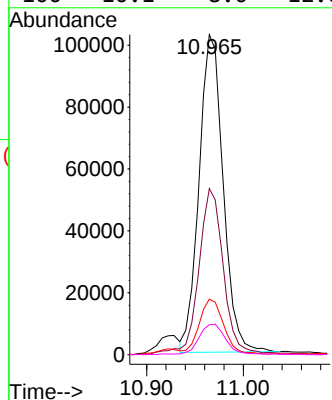
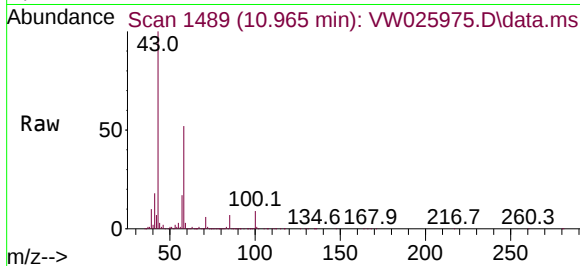




#48
2-Hexanone
Concen: 37.571 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

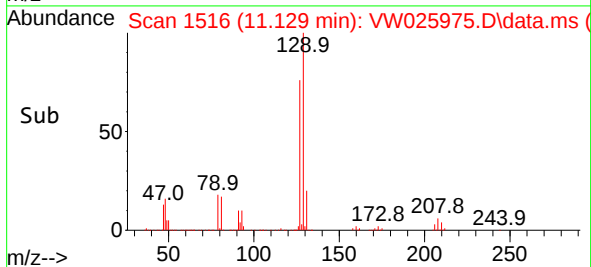
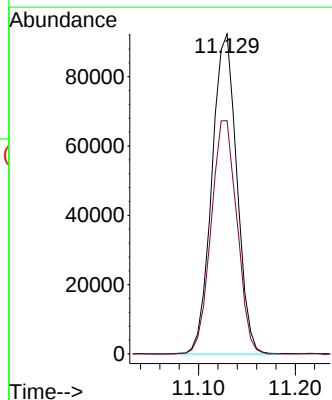
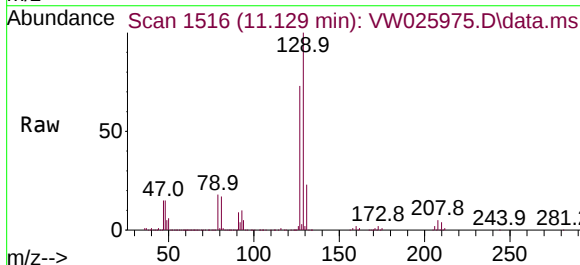
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

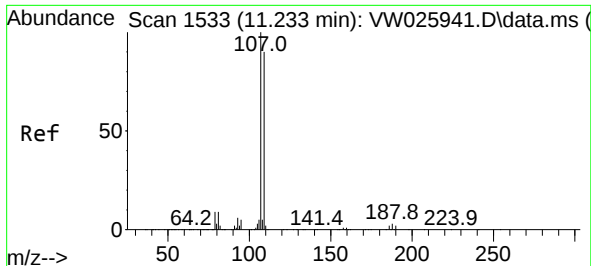
Tgt Ion: 43 Resp: 178299
Ion Ratio Lower Upper
43 100
58 53.0 40.8 61.2
57 18.0 13.6 20.4
100 10.1 8.0 12.0



#49
Dibromochloromethane
Concen: 23.445 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion: 129 Resp: 165242
Ion Ratio Lower Upper
129 100
127 72.9 56.1 104.3





#50

1,2-Dibromoethane

Concen: 21.727 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

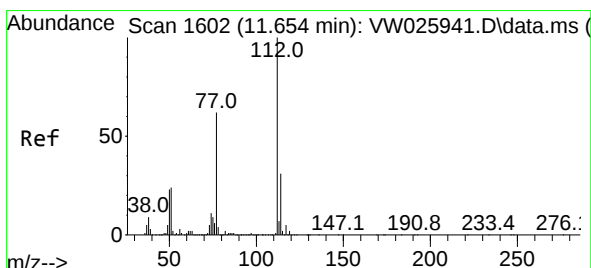
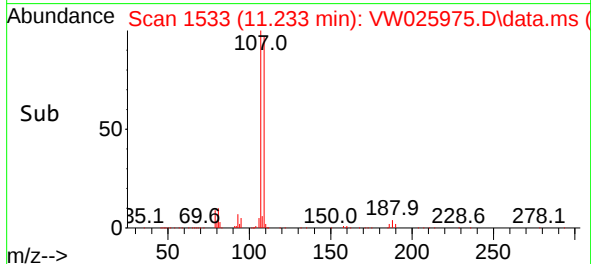
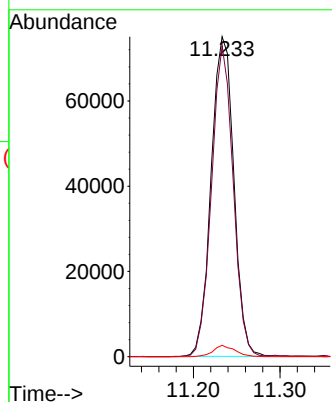
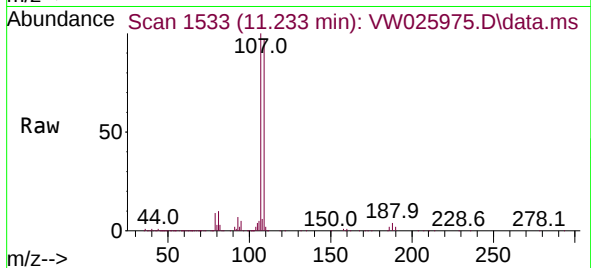
Tgt Ion:107 Resp: 136360

Ion Ratio Lower Upper

107 100

109 97.2 67.5 125.4

188 3.5 2.6 4.0



#51

Chlorobenzene

Concen: 24.094 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

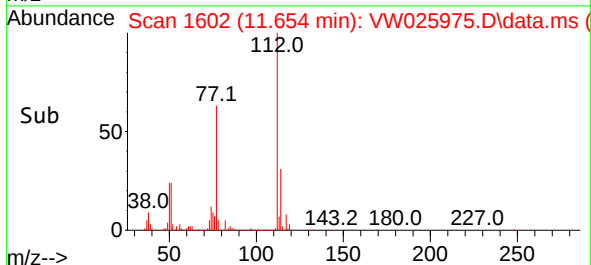
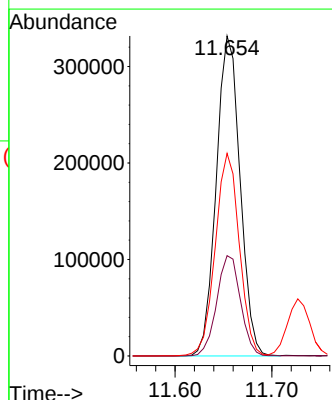
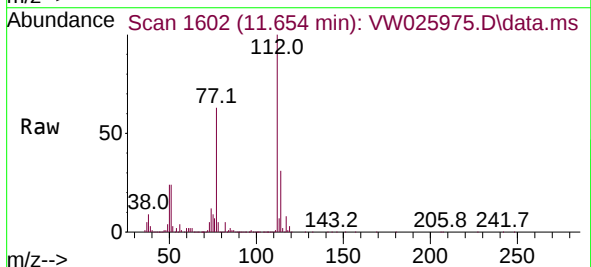
Tgt Ion:112 Resp: 566520

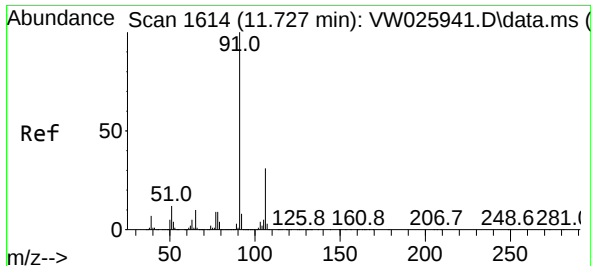
Ion Ratio Lower Upper

112 100

114 31.3 22.7 42.3

77 63.3 53.0 79.6

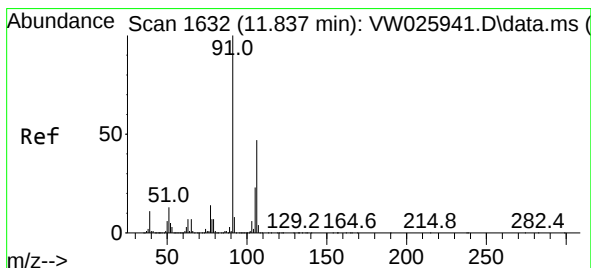
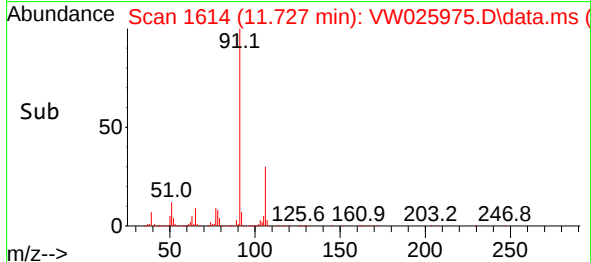
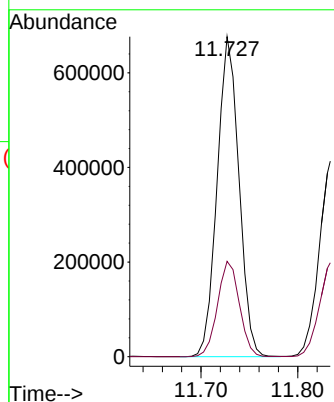
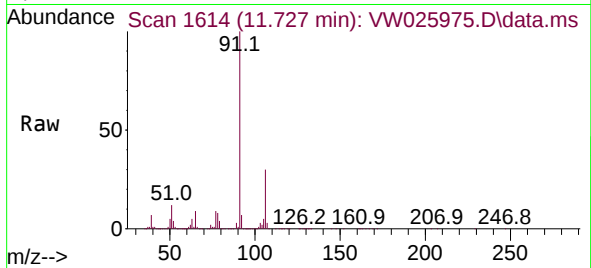




#52
Ethylbenzene
Concen: 24.752 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

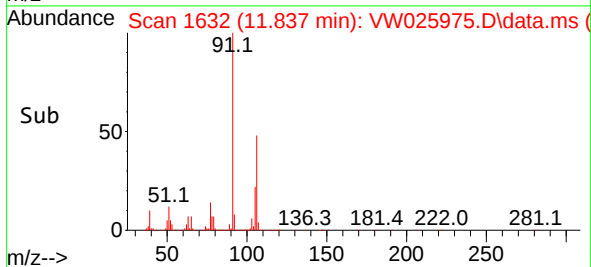
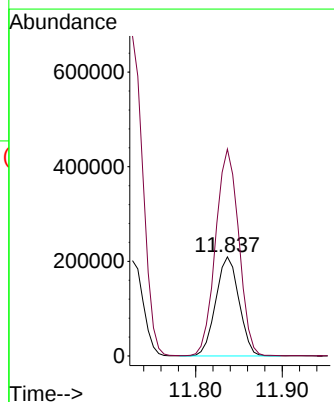
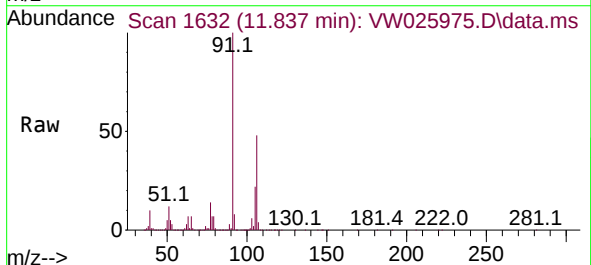
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

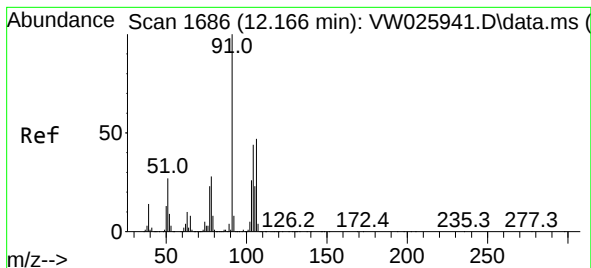
Tgt Ion: 91 Resp: 1056794
Ion Ratio Lower Upper
91 100
106 29.8 20.8 38.6



#53
m,p-Xylene
Concen: 24.819 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion:106 Resp: 390008
Ion Ratio Lower Upper
106 100
91 208.7 150.1 278.9





#54

o-Xylene

Concen: 24.850 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

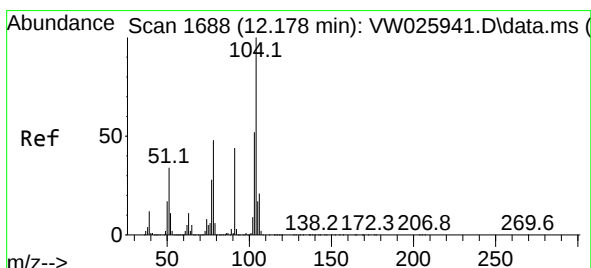
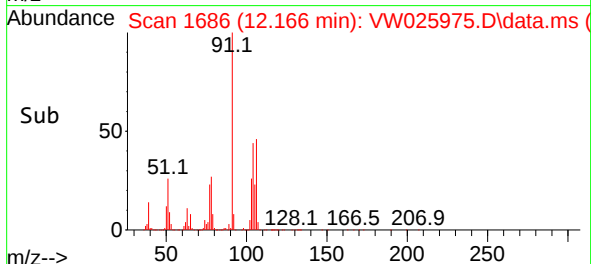
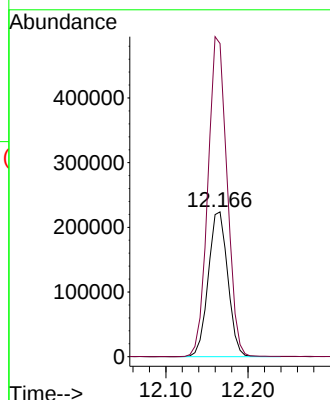
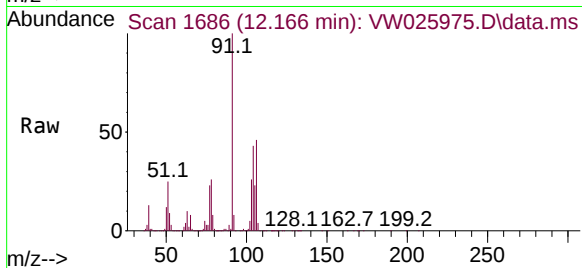
VSTD025489

Tgt Ion:106 Resp: 368054

Ion Ratio Lower Upper

106 100

91 216.2 157.8 293.1



#55

Styrene

Concen: 25.143 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025975.D

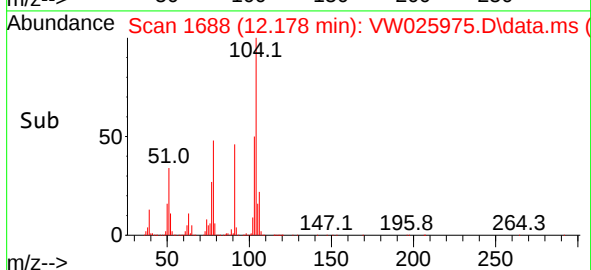
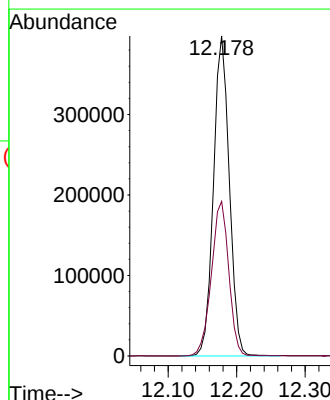
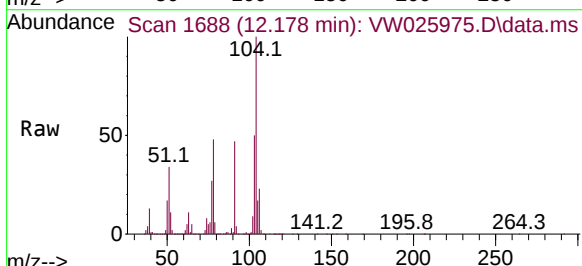
Acq: 15 May 2023 10:48

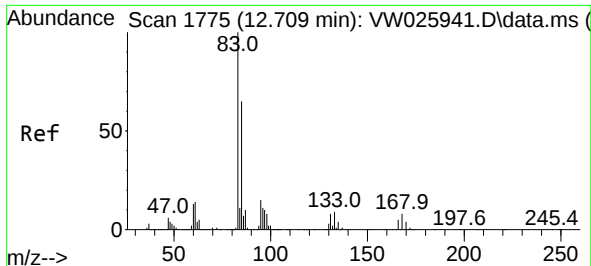
Tgt Ion:104 Resp: 637405

Ion Ratio Lower Upper

104 100

78 48.3 33.4 62.0

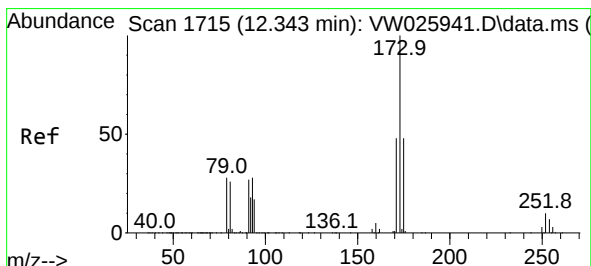
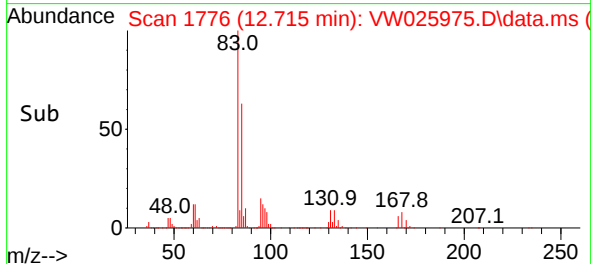
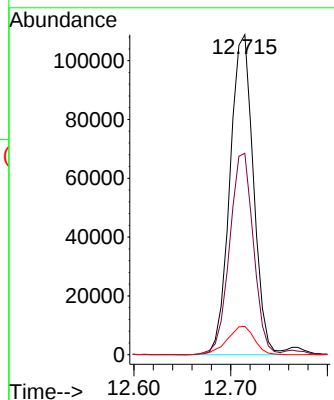
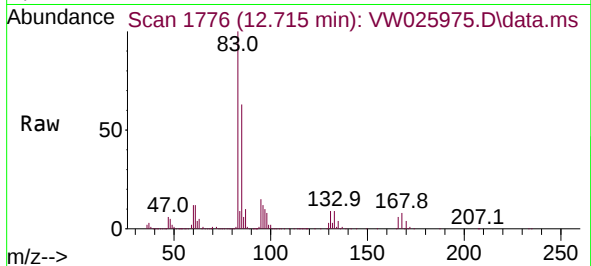




#57
1,1,2,2-Tetrachloroethane
Concen: 21.591 ug/L
RT: 12.715 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

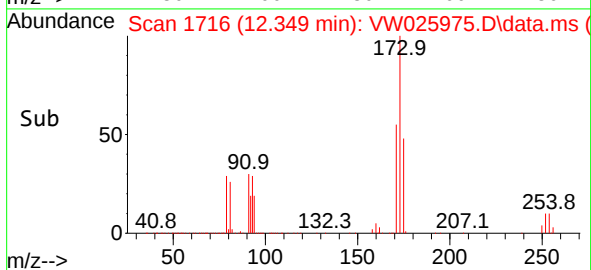
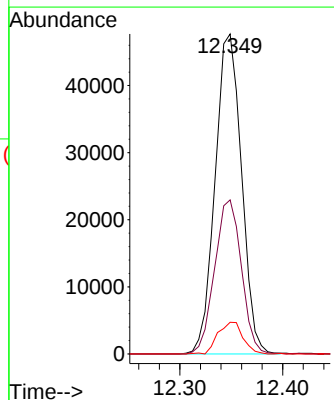
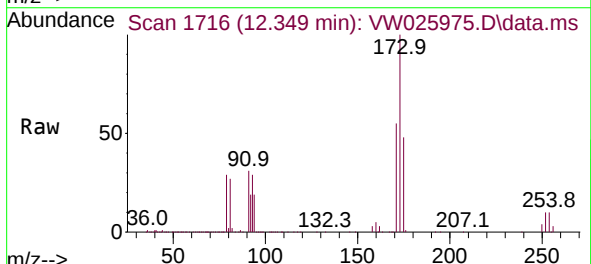
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

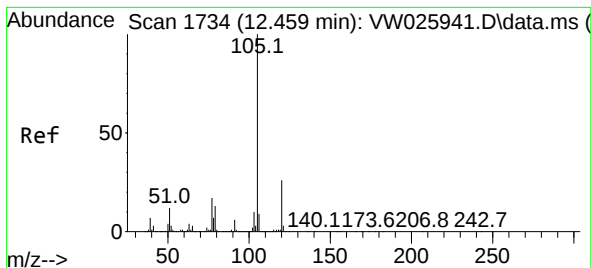
Tgt Ion: 83 Resp: 183412
Ion Ratio Lower Upper
83 100
85 62.9 45.6 84.8
131 8.8 8.1 12.1



#59
Bromoform
Concen: 21.418 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.006 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion:173 Resp: 84990
Ion Ratio Lower Upper
173 100
175 48.8 38.6 57.8
254 9.4 7.6 11.4





#60

Isopropylbenzene

Concen: 24.899 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

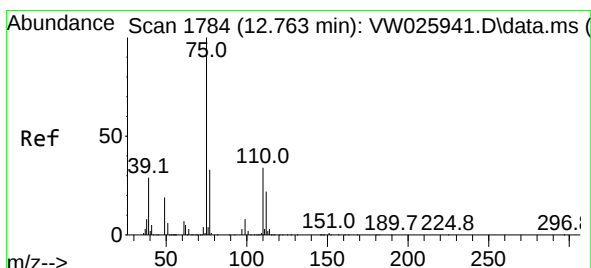
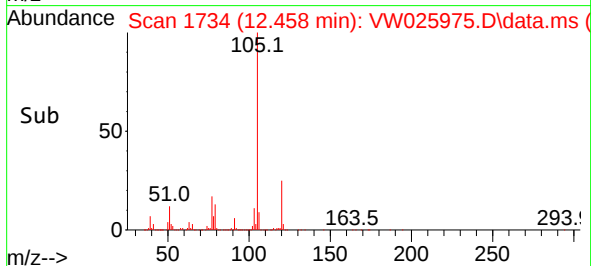
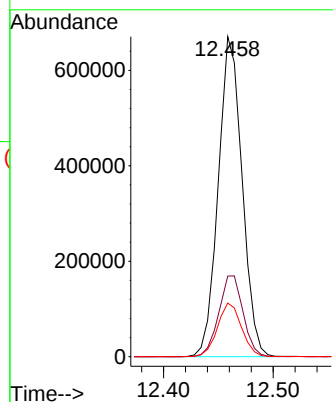
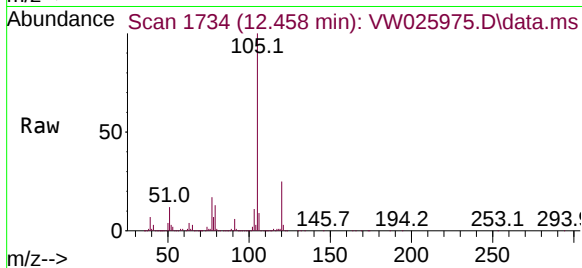
Tgt Ion:105 Resp: 1013948

Ion Ratio Lower Upper

105 100

120 25.8 21.1 31.7

77 16.9 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 20.267 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

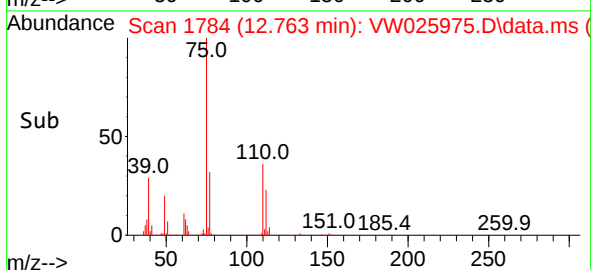
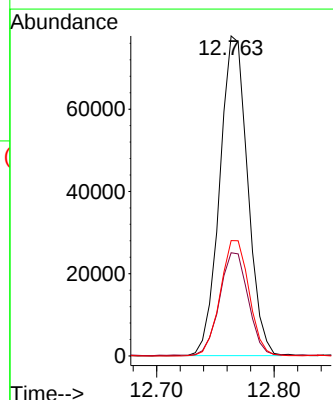
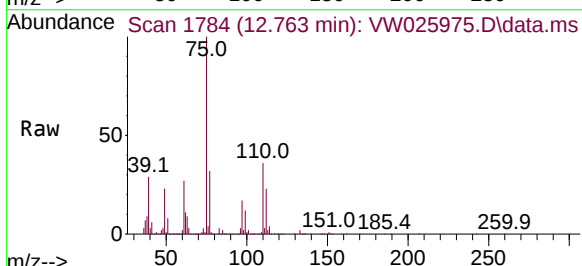
Tgt Ion: 75 Resp: 128322

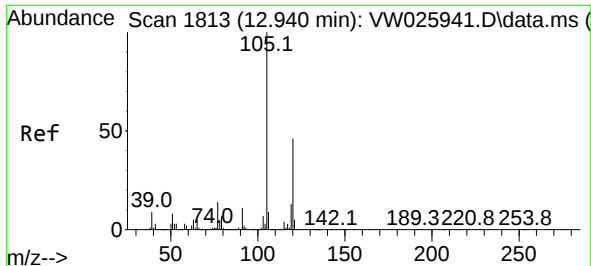
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

110 37.3 27.6 41.4

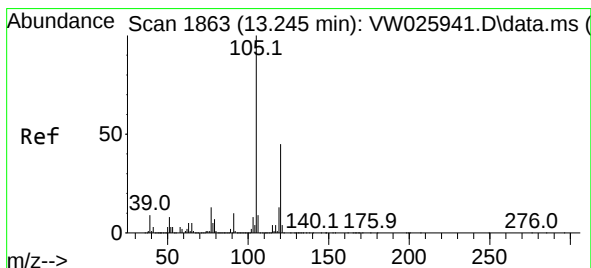
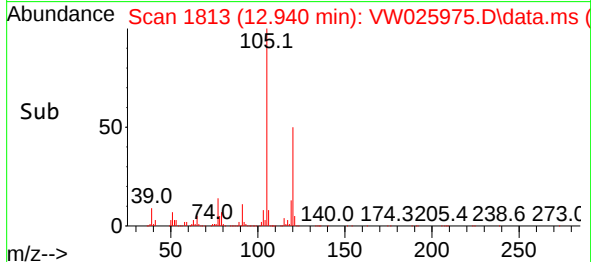
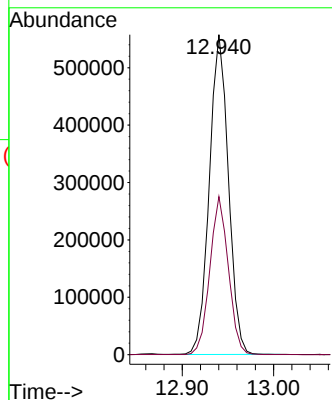
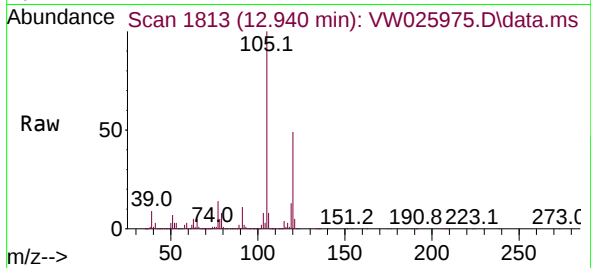




#62
 1,3,5-Trimethylbenzene
 Concen: 24.994 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

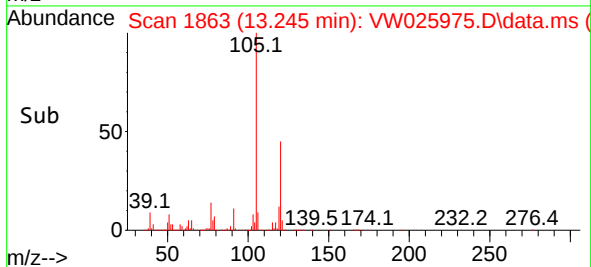
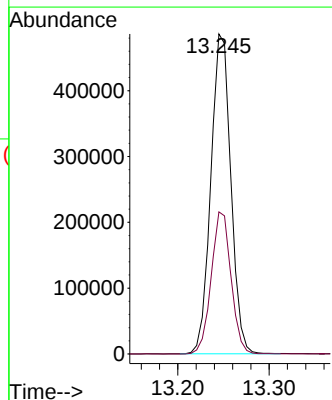
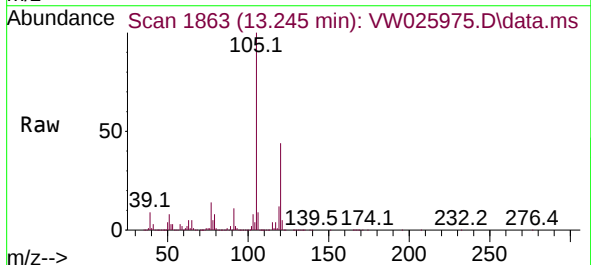
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025489

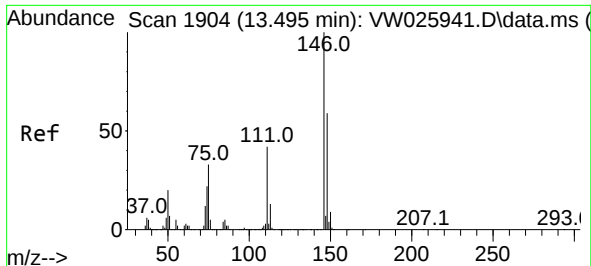
Tgt Ion:105 Resp: 806144
 Ion Ratio Lower Upper
 105 100
 120 48.1 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 24.822 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: VW025975.D
 Acq: 15 May 2023 10:48

Tgt Ion:105 Resp: 738788
 Ion Ratio Lower Upper
 105 100
 120 44.0 34.7 52.1

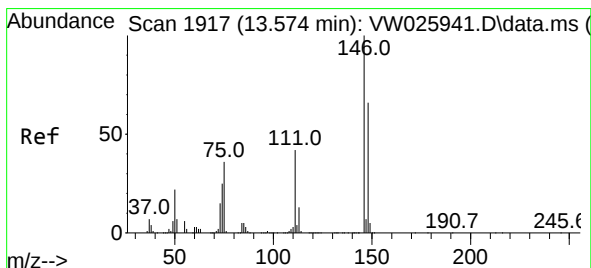
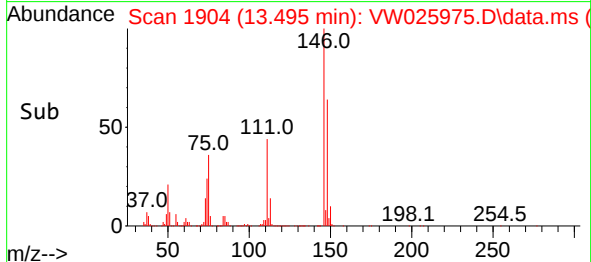
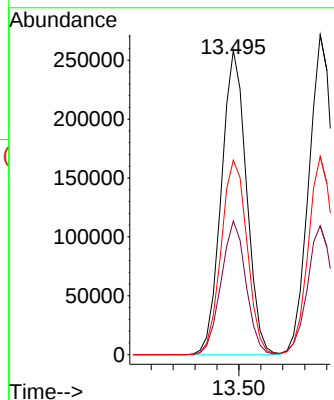
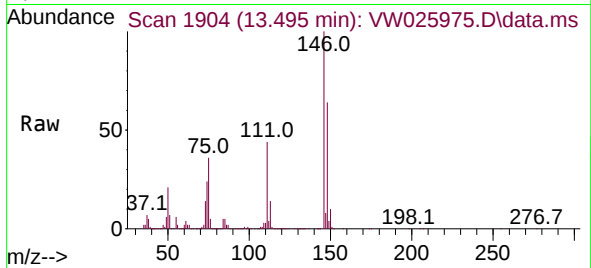




#64
1,3-Dichlorobenzene
Concen: 23.444 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

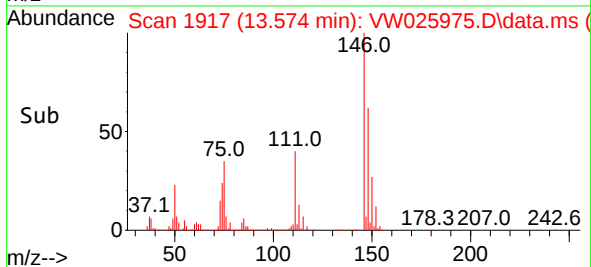
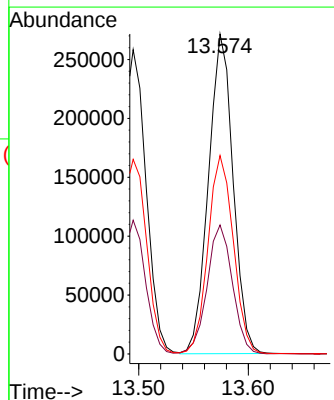
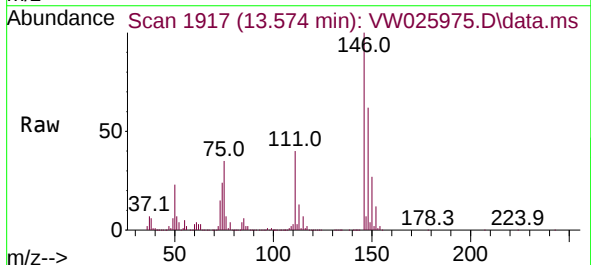
Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

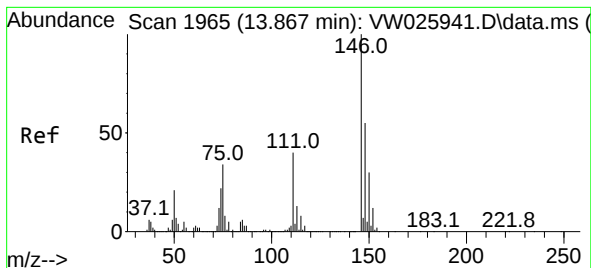
Tgt Ion:146 Resp: 410976
Ion Ratio Lower Upper
146 100
111 44.0 30.4 56.4
148 63.9 40.8 75.8



#65
1,4-Dichlorobenzene
Concen: 23.945 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025975.D
Acq: 15 May 2023 10:48

Tgt Ion:146 Resp: 424079
Ion Ratio Lower Upper
146 100
111 40.3 27.9 51.9
148 62.0 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 23.573 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

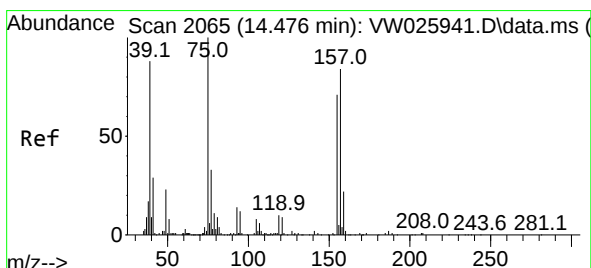
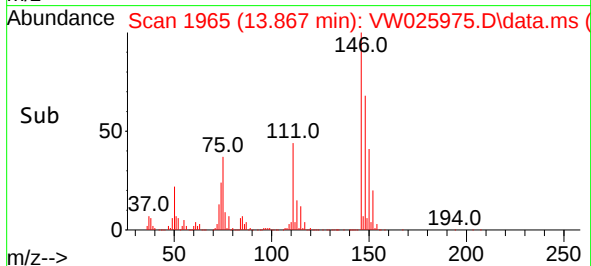
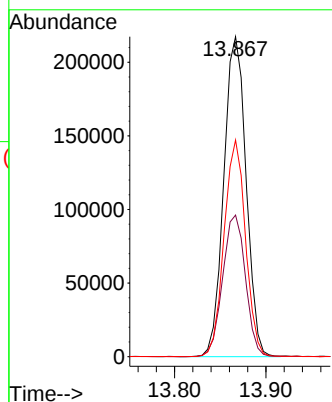
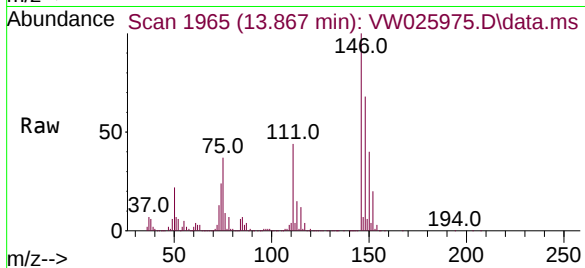
Tgt Ion:146 Resp: 368534

Ion Ratio Lower Upper

146 100

111 44.3 37.7 56.5

148 67.7 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 18.573 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

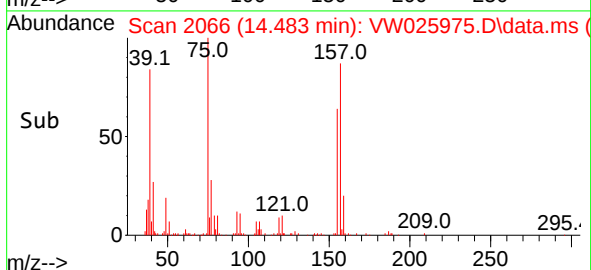
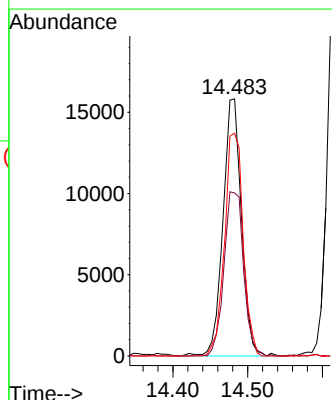
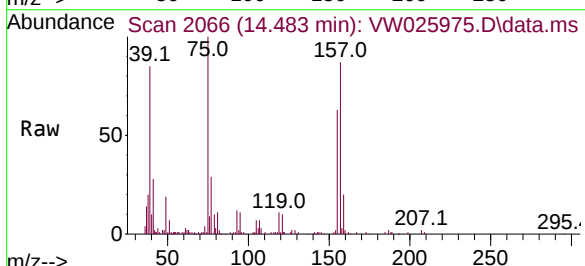
Tgt Ion: 75 Resp: 27268

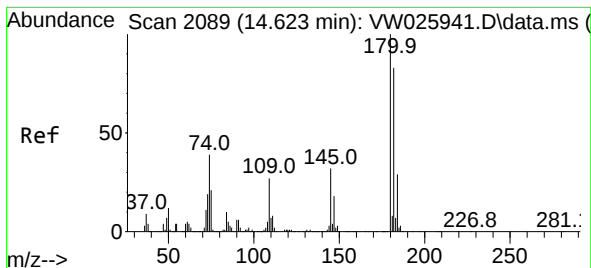
Ion Ratio Lower Upper

75 100

155 63.4 56.3 84.5

157 86.6 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 23.501 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

Tgt Ion:180 Resp: 273468

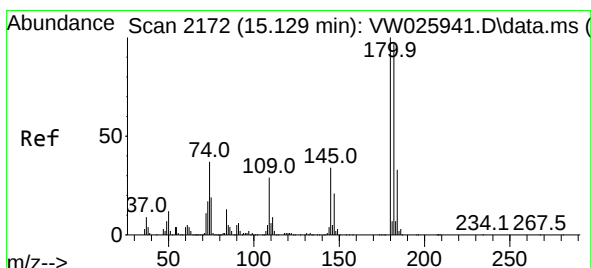
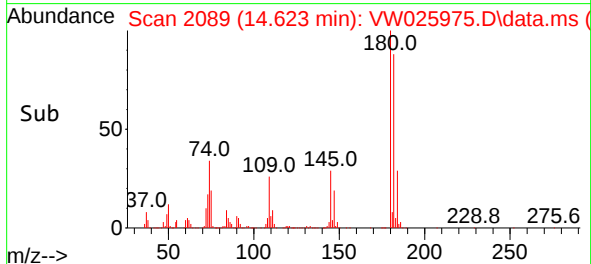
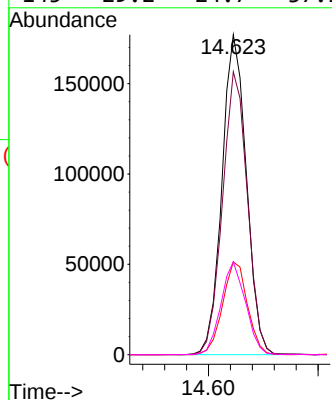
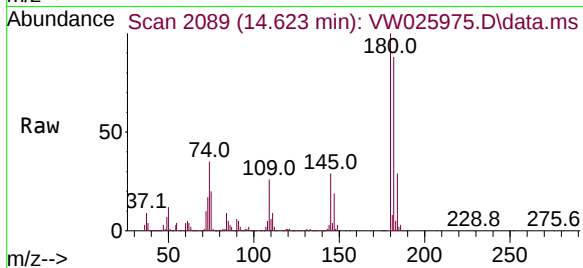
Ion Ratio Lower Upper

180 100

182 90.1 77.4 116.0

184 29.6 24.7 37.1

145 29.2 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 22.236 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

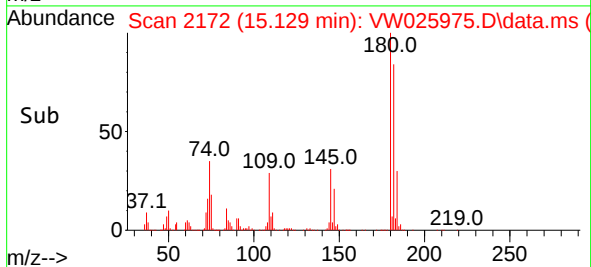
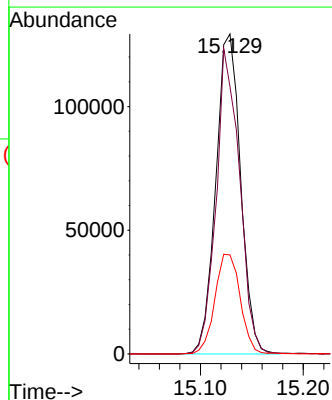
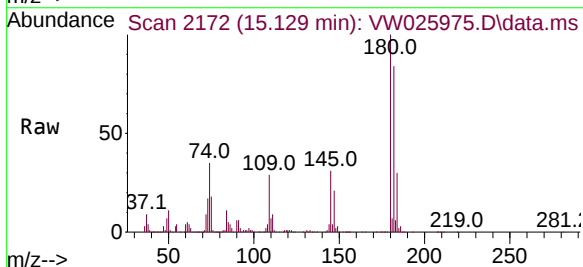
Tgt Ion:180 Resp: 216770

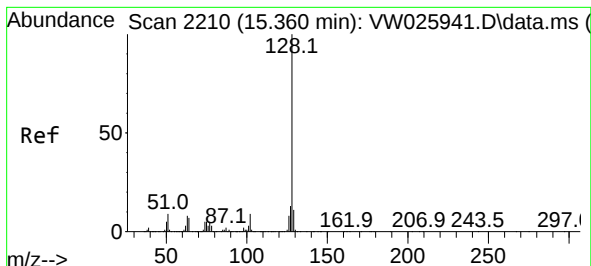
Ion Ratio Lower Upper

180 100

182 90.2 74.3 111.5

145 31.8 25.4 38.0





#71

Naphthalene

Concen: 19.915 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD025489

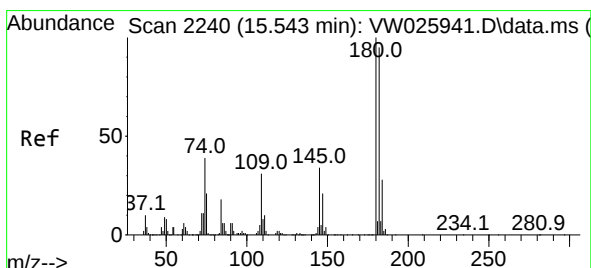
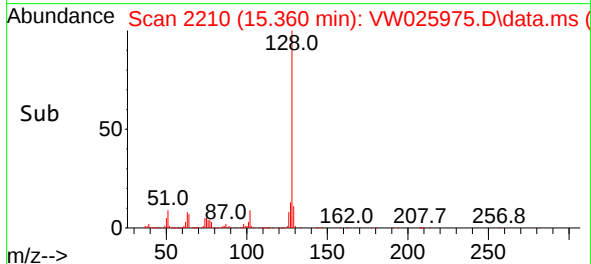
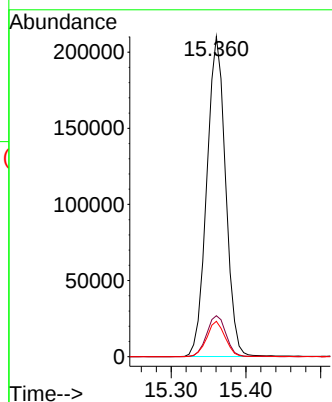
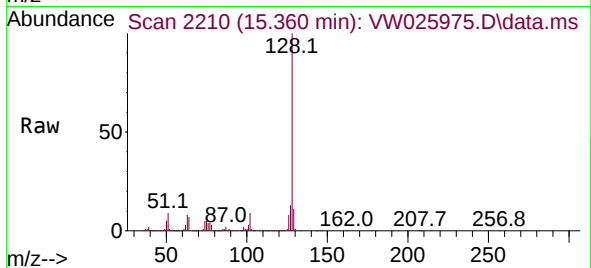
Tgt Ion:128 Resp: 366436

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.9 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 22.638 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025975.D

Acq: 15 May 2023 10:48

Tgt Ion:180 Resp: 195817

Ion Ratio Lower Upper

180 100

182 90.6 76.1 114.1

145 33.9 28.0 42.0

