

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051223\
 Data File : VW025973.D
 Acq On : 12 May 2023 19:02
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025488

Quant Time: May 14 22:51:38 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	564883	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	518703	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	257300	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	166810	20.839	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	83.360%		
7) Chloroethane-d5	2.893	69	141288	23.808	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	95.240%		
11) 1,1-Dichloroethene-d2	4.027	65	73687	18.384	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	73.520%		
21) 2-Butanone-d5	7.075	46	140032	52.917	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	105.840%		
24) Chloroform-d	7.648	84	408227	25.062	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	100.240%		
26) 1,2-Dichloroethane-d4	8.301	65	223695	24.286	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	97.160%		
32) Benzene-d6	8.276	84	781988	23.072	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	92.280%		
36) 1,2-Dichloropropane-d6	9.270	67	266409	24.567	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	98.280%		
41) Toluene-d8	10.319	98	691076	22.866	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	91.480%		
43) trans-1,3-Dichloroprop...	10.575	79	95366	21.695	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	86.800%		
47) 2-Hexanone-d5	10.922	63	101625	54.957	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	109.920%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	219135	26.512	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	106.040%		
66) 1,2-Dichlorobenzene-d4	13.849	152	225487	24.040	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	122113	19.349	ug/L	99
3) Chloromethane	2.223	50	235586	25.318	ug/L	99
5) Vinyl chloride	2.375	62	215868	22.413	ug/L	100
6) Bromomethane	2.783	94	127678	24.373	ug/L	97
8) Chloroethane	2.930	64	134115	24.489	ug/L	98
9) Trichlorofluoromethane	3.265	101	123747	17.025	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	169547	21.448	ug/L	99
12) 1,1-Dichloroethene	4.045	96	155729	20.613	ug/L	95
13) Acetone	4.119	43	73101	31.154	ug/L	97
14) Carbon disulfide	4.393	76	490729	19.208	ug/L	100
15) Methyl Acetate	4.667	43	106574	23.048	ug/L	99
16) Methylene chloride	4.917	84	200853	17.241	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	178532	21.662	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	284205	22.721	ug/L	99
19) 1,1-Dichloroethane	6.216	63	393934	23.264	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	220043	24.886	ug/L	97
22) 2-Butanone	7.167	43	147724	45.593	ug/L	100
23) Bromochloromethane	7.514	128	94255	25.162	ug/L	95
25) Chloroform	7.673	83	394478	25.347	ug/L	99

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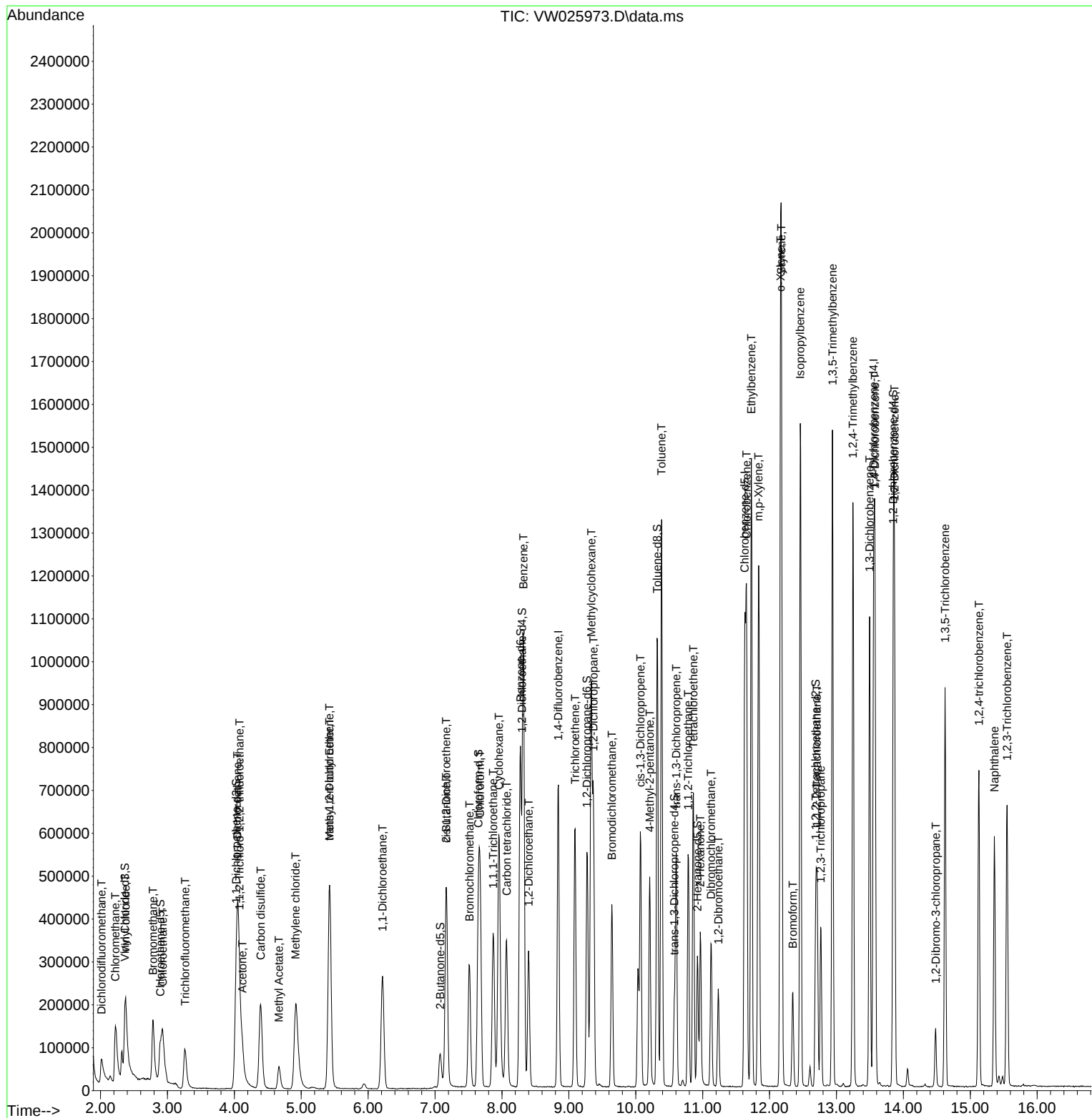
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	281659	25.483	ug/L	99
29) Cyclohexane	7.953	56	353544	21.994	ug/L	98
30) 1,1,1-Trichloroethane	7.868	97	290977	22.938	ug/L	99
31) Carbon tetrachloride	8.069	117	264563	23.175	ug/L	98
33) Benzene	8.319	78	879102	24.497	ug/L	100
34) Trichloroethene	9.093	95	218903	23.771	ug/L	97
35) Methylcyclohexane	9.337	83	359787	21.967	ug/L	100
37) 1,2-Dichloropropane	9.368	63	246282	25.049	ug/L	100
38) Bromodichloromethane	9.642	83	280147	24.836	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	340525	23.617	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	339908	53.113	ug/L	99
42) Toluene	10.386	91	911317	24.853	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	287272	24.045	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	166026	25.244	ug/L	98
46) Tetrachloroethene	10.861	164	147766	22.809	ug/L	90
48) 2-Hexanone	10.965	43	237280	51.755	ug/L	99
49) Dibromochloromethane	11.123	129	169802	24.938	ug/L	100
50) 1,2-Dibromoethane	11.233	107	150280	24.786	ug/L	100
51) Chlorobenzene	11.654	112	550967	24.255	ug/L	98
52) Ethylbenzene	11.727	91	1009338	24.470	ug/L	99
53) m,p-Xylene	11.837	106	372311	24.525	ug/L	95
54) o-Xylene	12.166	106	350436	24.491	ug/L	97
55) Styrene	12.178	104	609608	24.891	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.709	83	211492	25.771	ug/L	98
59) Bromoform	12.349	173	95717	25.115	ug/L	99
60) Isopropylbenzene	12.459	105	957841	24.490	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	154746	25.448	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	766996	24.760	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	698737	24.443	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	400830	23.807	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	412443	24.247	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	377574	25.146	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	35420	25.119	ug/L	90
69) 1,3,5-Trichlorobenzene	14.623	180	249606	22.334	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	221772	23.686	ug/L	99
71) Naphthalene	15.360	128	454448	25.716	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	207324	24.956	ug/L	96

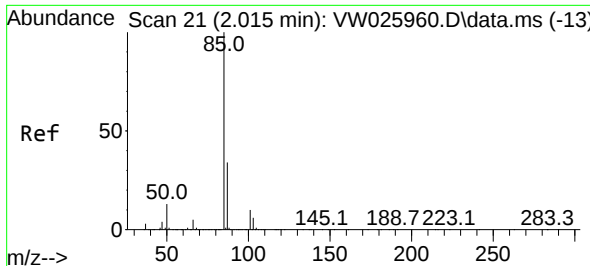
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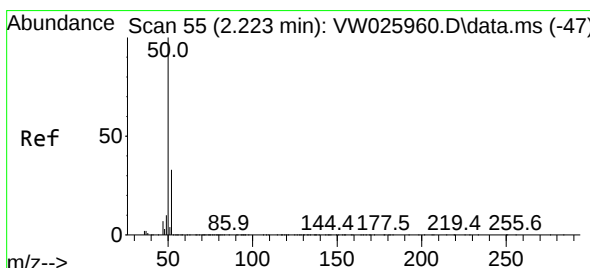
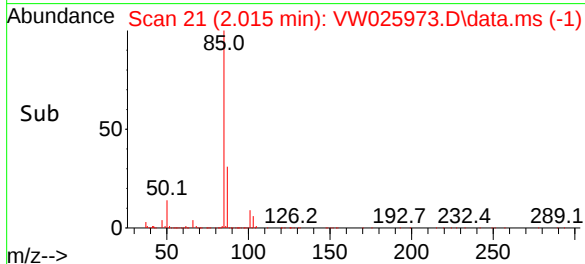
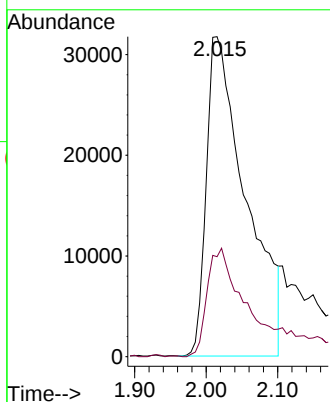
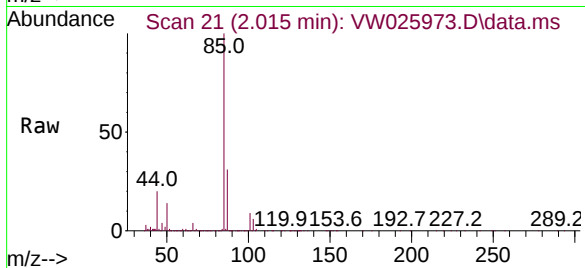




#2
 Dichlorodifluoromethane
 Concen: 19.349 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW025973.D
 Acq: 12 May 2023 19:02

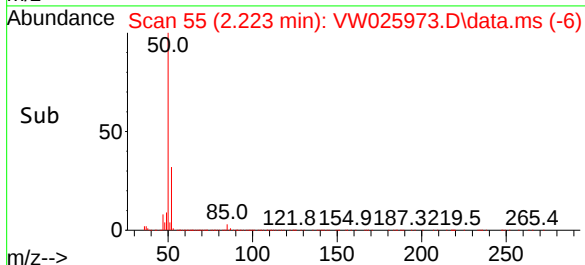
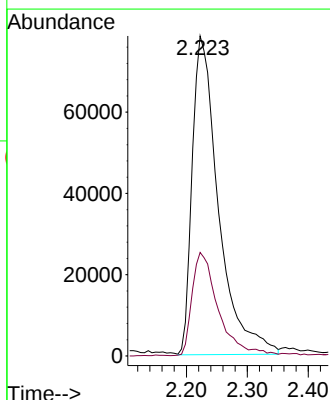
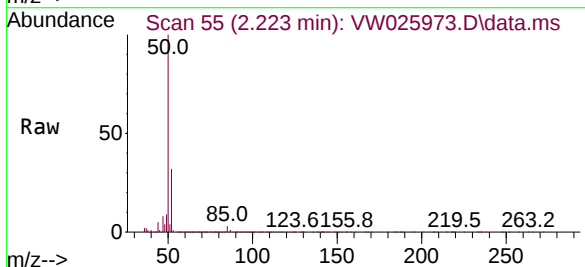
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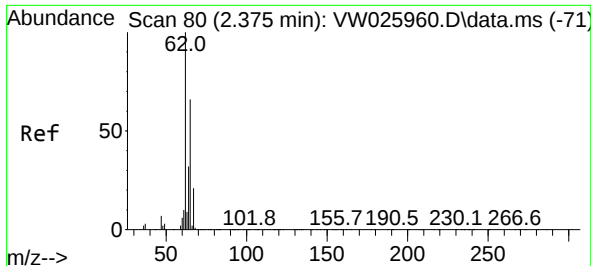
Tgt Ion: 85 Resp: 122113
 Ion Ratio Lower Upper
 85 100
 87 31.6 24.7 37.1



#3
 Chloromethane
 Concen: 25.318 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VW025973.D
 Acq: 12 May 2023 19:02

Tgt Ion: 50 Resp: 235586
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.1 41.1

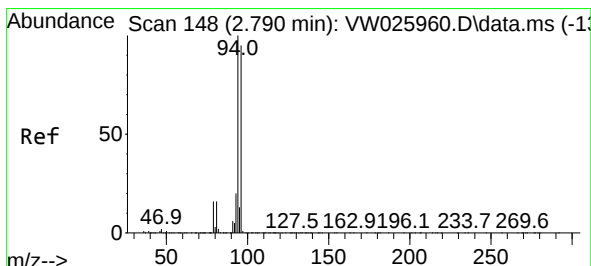
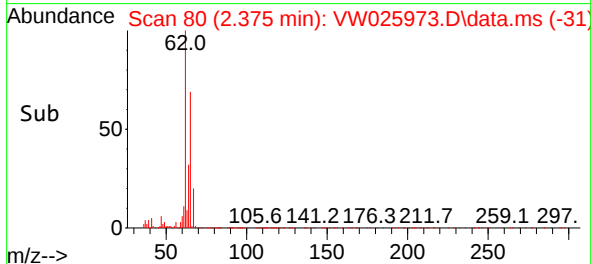
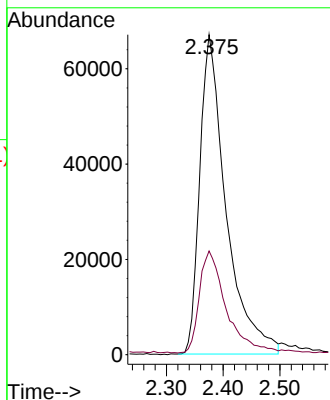
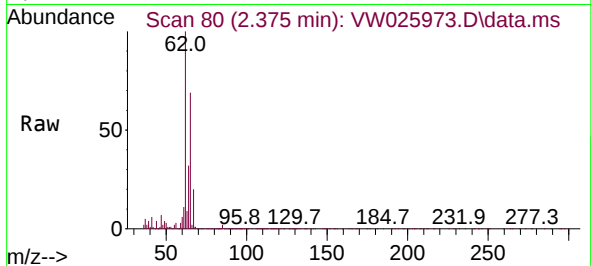




#5
 Vinyl chloride
 Concen: 22.413 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW025973.D
 Acq: 12 May 2023 19:02

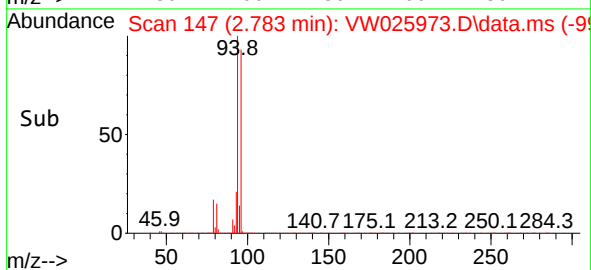
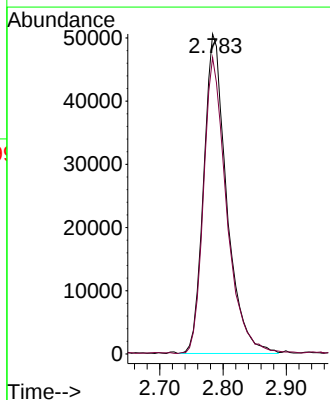
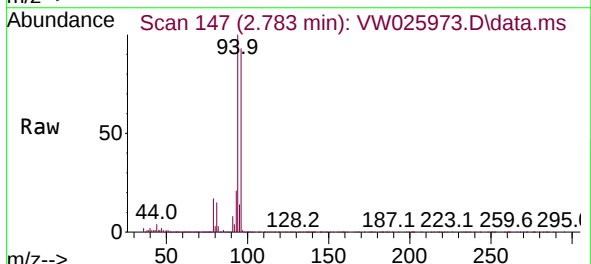
Instrument :
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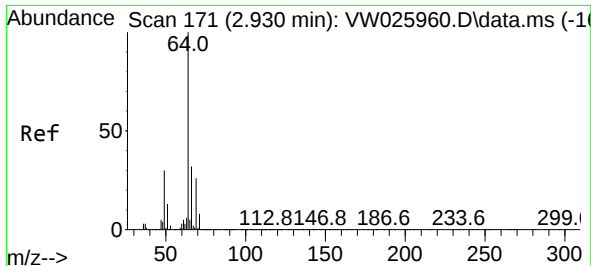
Tgt Ion: 62 Resp: 215868
 Ion Ratio Lower Upper
 62 100
 64 32.4 22.7 42.3



#6
 Bromomethane
 Concen: 24.373 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. -0.006 min
 Lab File: VW025973.D
 Acq: 12 May 2023 19:02

Tgt Ion: 94 Resp: 127678
 Ion Ratio Lower Upper
 94 100
 96 92.7 63.1 117.1

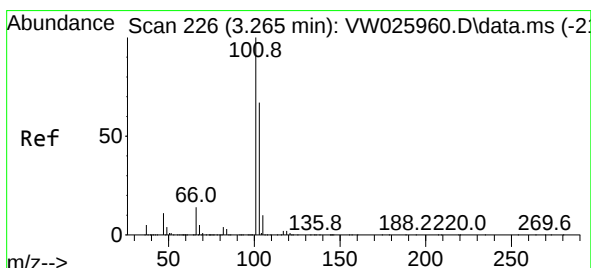
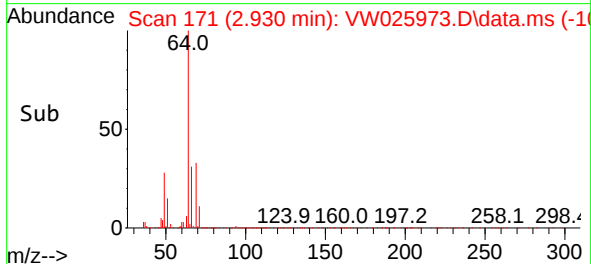
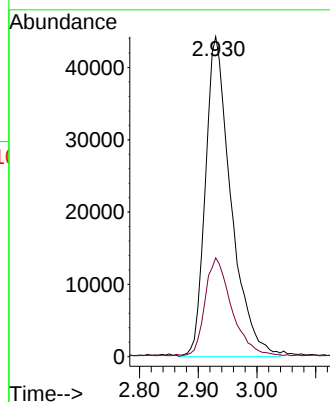
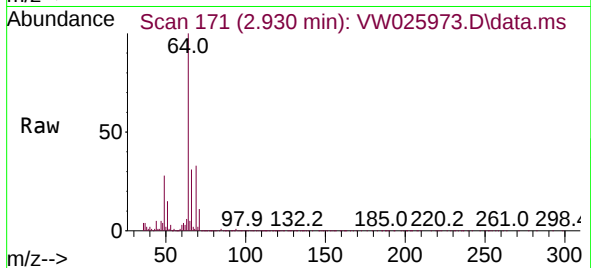




#8
Chloroethane
Concen: 24.489 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

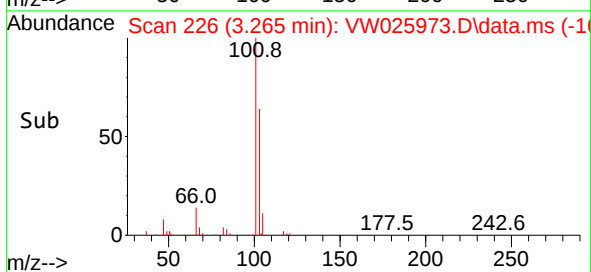
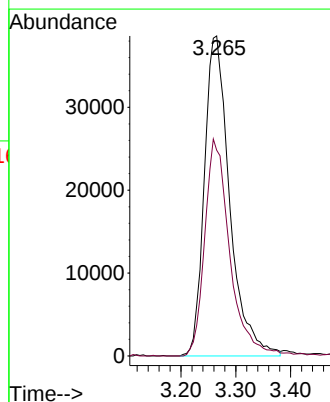
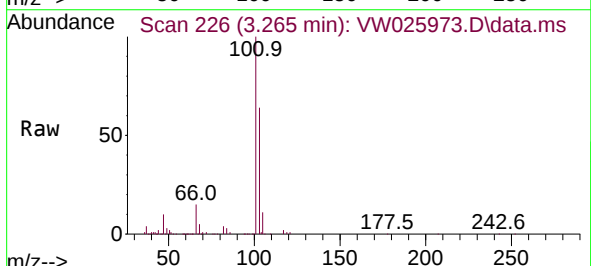
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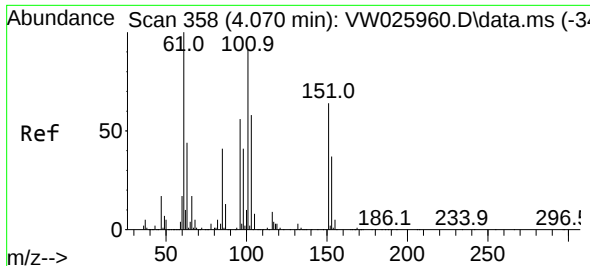
Tgt Ion: 64 Resp: 134115
Ion Ratio Lower Upper
64 100
66 30.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 17.025 ug/L
RT: 3.265 min Scan# 226
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 101 Resp: 123747
Ion Ratio Lower Upper
101 100
103 66.4 50.6 76.0

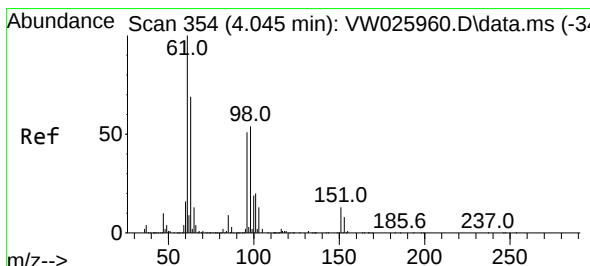
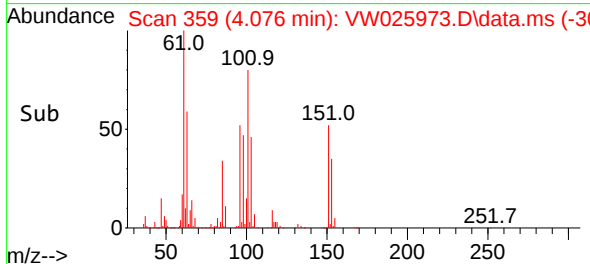
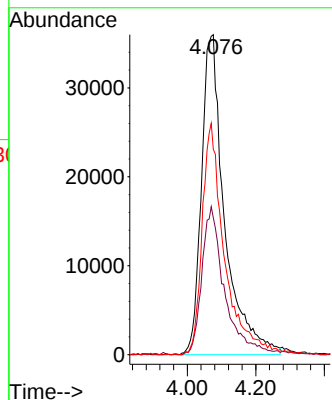
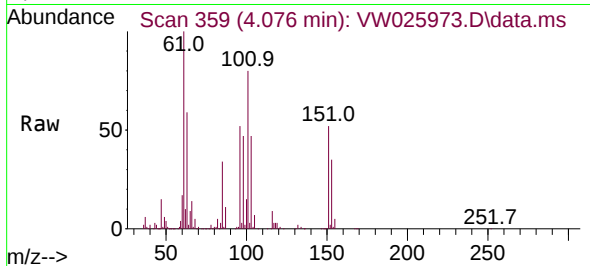




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.448 ug/L
RT: 4.076 min Scan# 358
Delta R.T. 0.006 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

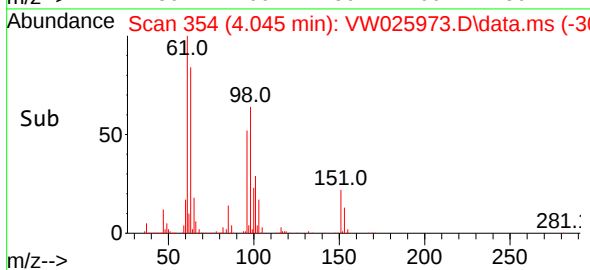
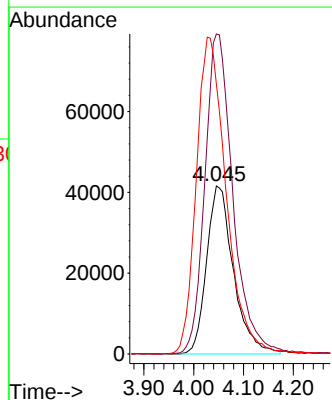
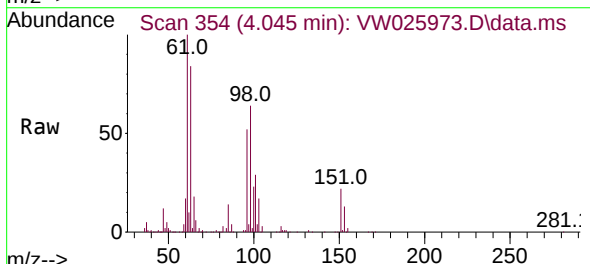
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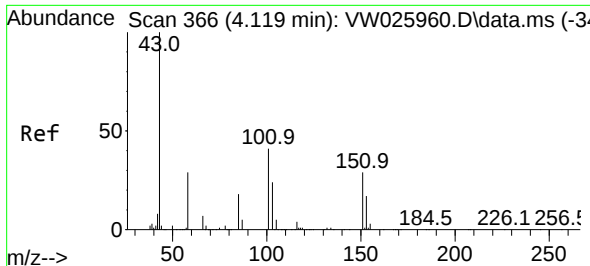
Tgt Ion:101 Resp: 169547
Ion Ratio Lower Upper
101 100
85 42.8 33.9 50.9
151 68.1 54.2 81.2



#12
1,1-Dichloroethene
Concen: 20.613 ug/L
RT: 4.045 min Scan# 354
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 96 Resp: 155729
Ion Ratio Lower Upper
96 100
61 190.6 135.0 250.8
63 160.8 104.9 194.7

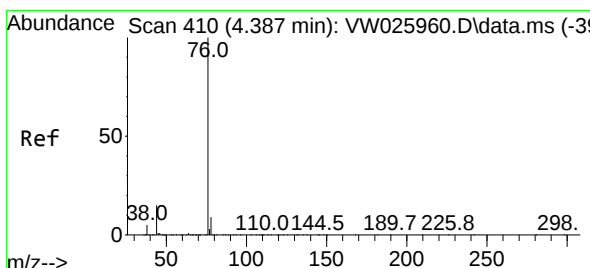
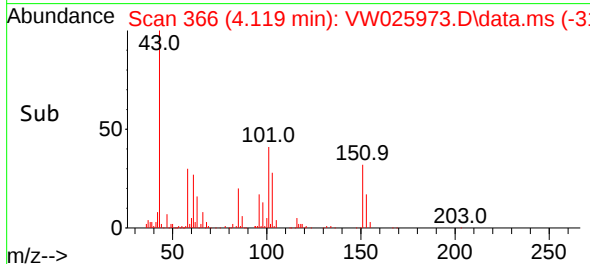
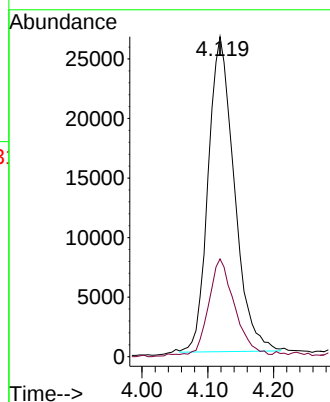
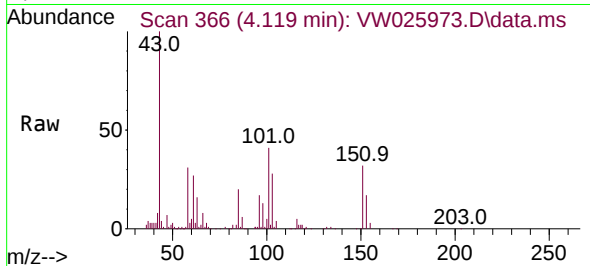




#13
Acetone
Concen: 31.154 ug/L
RT: 4.119 min Scan# 366
Delta R.T. -0.000 min
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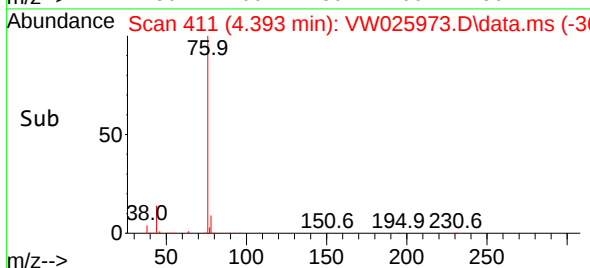
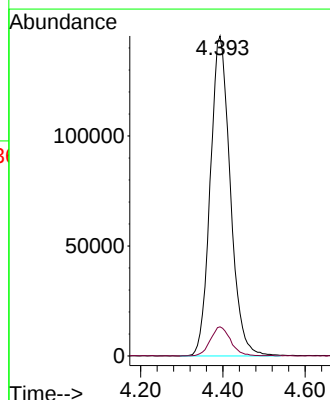
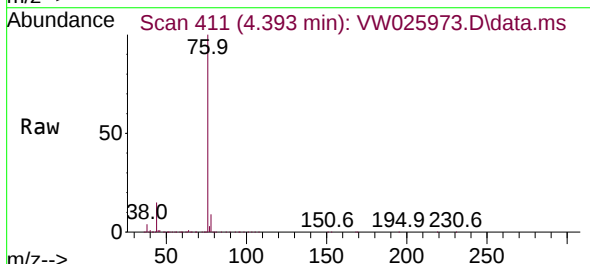
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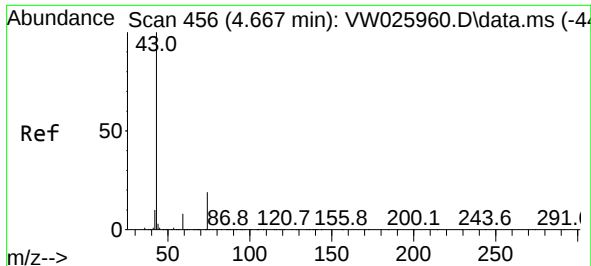
Tgt Ion: 43 Resp: 73101
Ion Ratio Lower Upper
43 100
58 30.7 0.0 58.2



#14
Carbon disulfide
Concen: 19.208 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 76 Resp: 490729
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

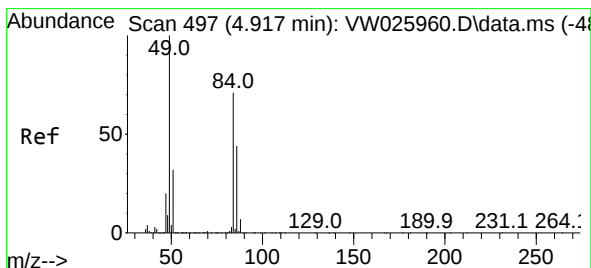
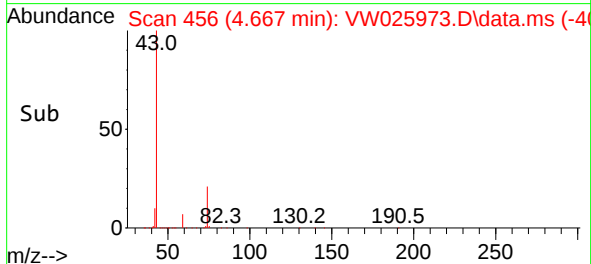
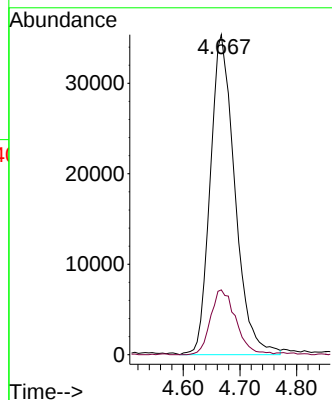
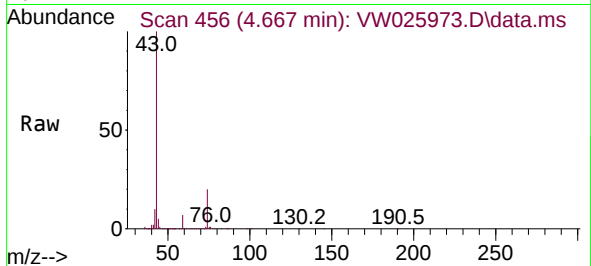




#15
Methyl Acetate
Concen: 23.048 ug/L
RT: 4.667 min Scan# 456
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

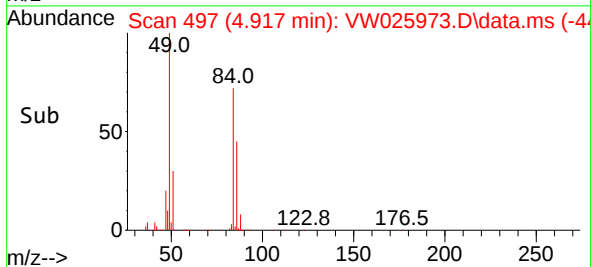
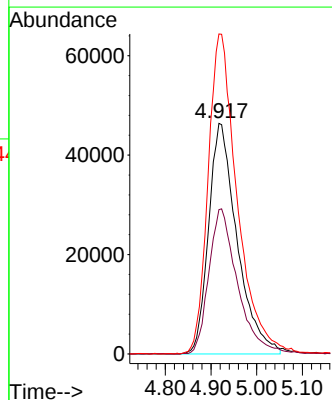
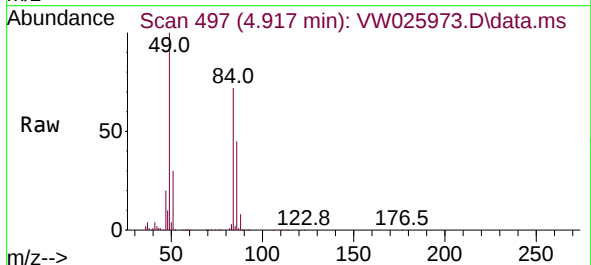
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

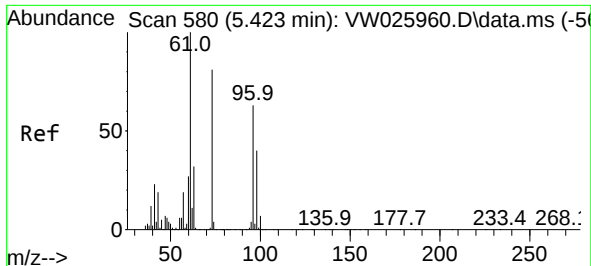
Tgt Ion: 43 Resp: 106574
Ion Ratio Lower Upper
43 100
74 20.8 16.5 24.7



#16
Methylene chloride
Concen: 17.241 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 84 Resp: 200853
Ion Ratio Lower Upper
84 100
86 62.6 41.7 77.5
49 138.8 95.3 177.1

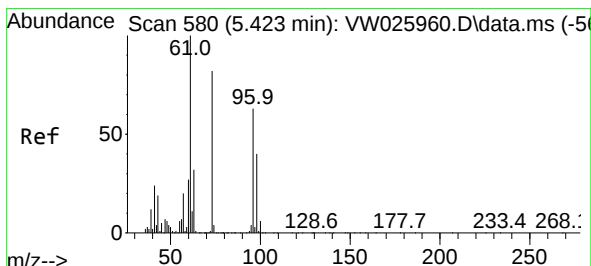
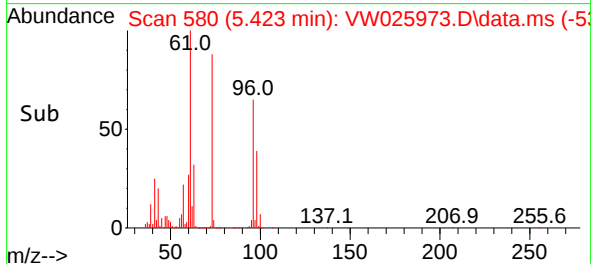
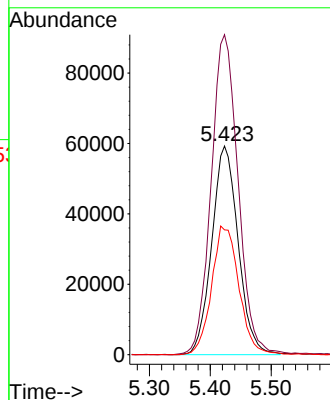
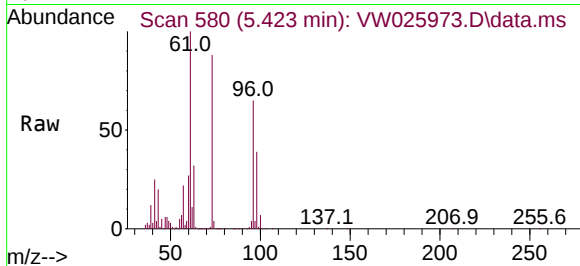




#17
trans-1,2-Dichloroethene
Concen: 21.662 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

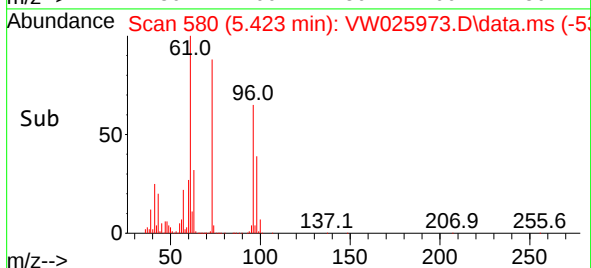
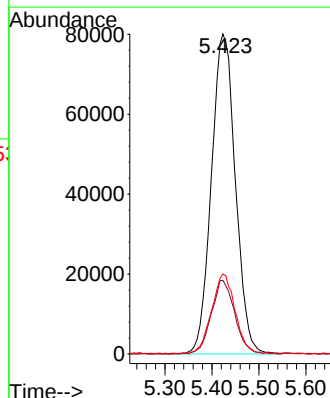
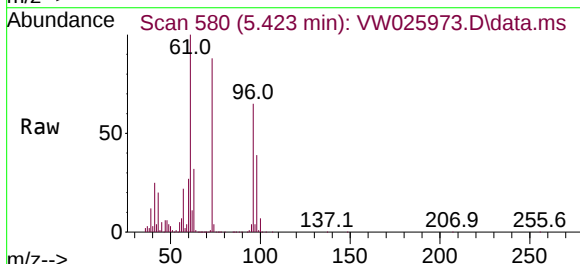
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

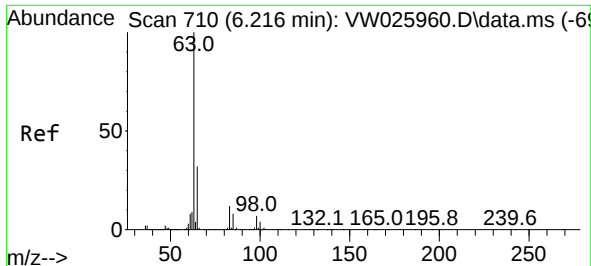
Tgt Ion: 96 Resp: 178532
Ion Ratio Lower Upper
96 100
61 153.4 108.1 200.9
98 59.8 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 22.721 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 73 Resp: 284205
Ion Ratio Lower Upper
73 100
43 22.2 18.2 27.4
57 24.1 19.2 28.8





#19

1,1-Dichloroethane

Concen: 23.264 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488

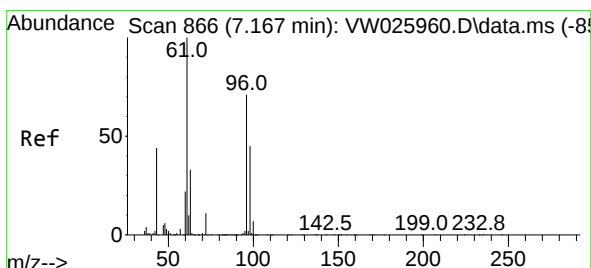
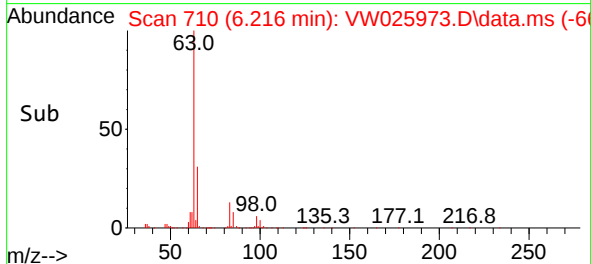
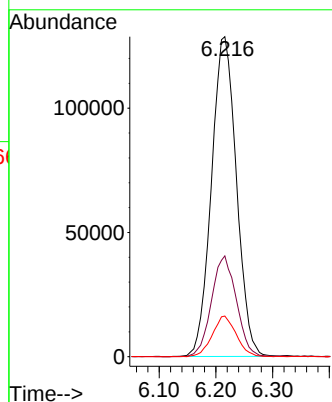
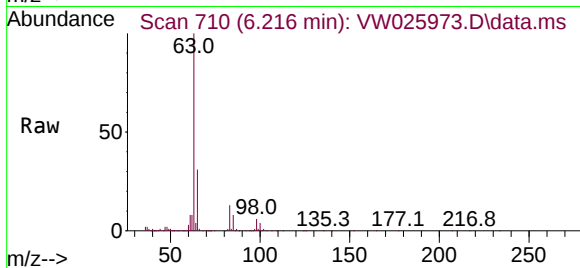
Tgt Ion: 63 Resp: 393934

Ion Ratio Lower Upper

63 100

65 31.5 22.4 41.6

83 12.7 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 24.886 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

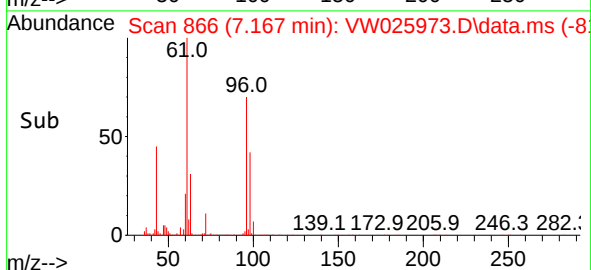
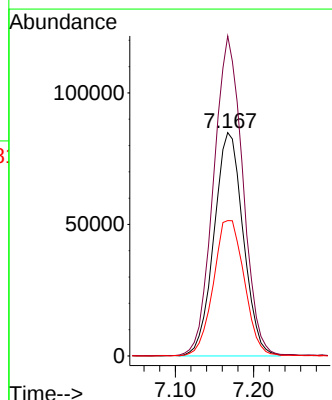
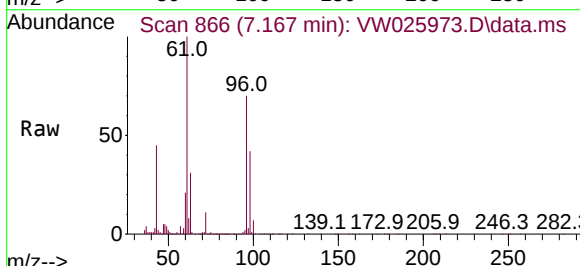
Tgt Ion: 96 Resp: 220043

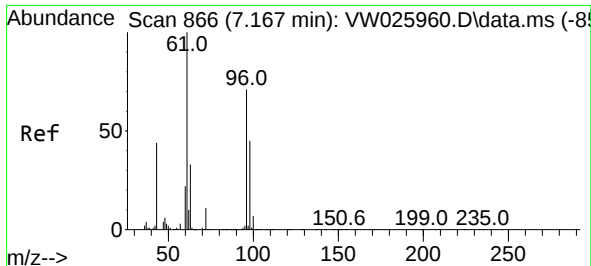
Ion Ratio Lower Upper

96 100

61 143.3 98.6 183.0

98 60.6 45.2 84.0

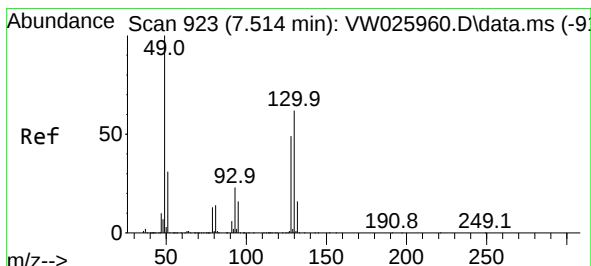
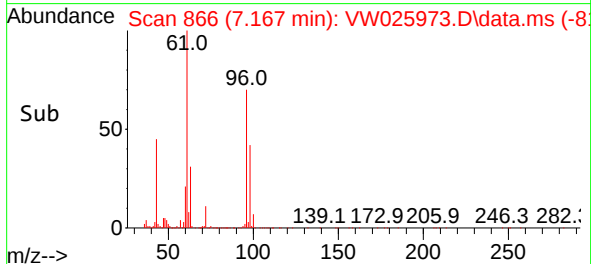
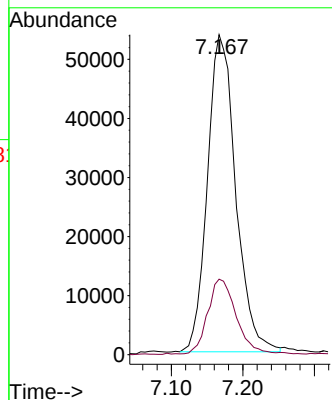
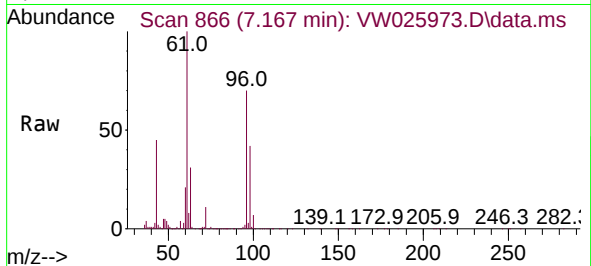




#22
2-Butanone
Concen: 45.593 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

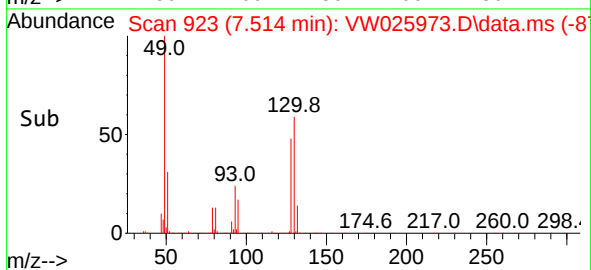
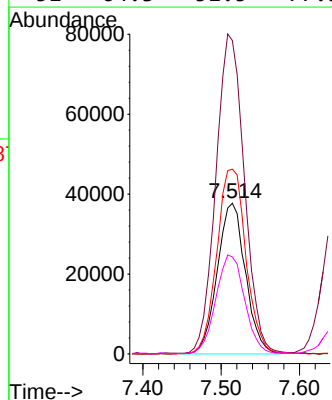
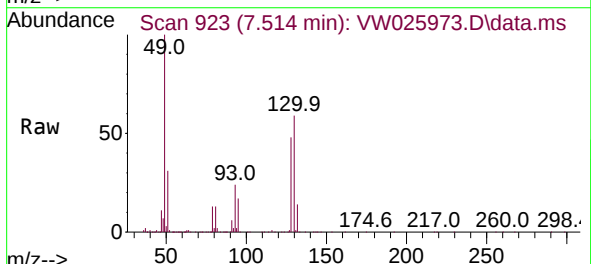
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

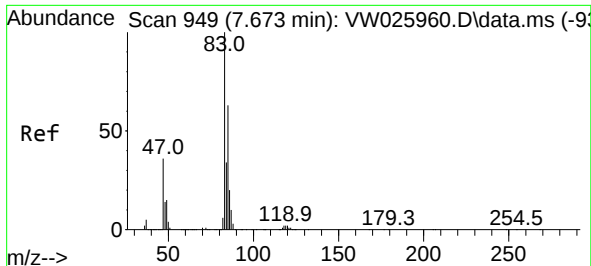
Tgt Ion: 43 Resp: 147724
Ion Ratio Lower Upper
43 100
72 23.4 11.8 35.4



#23
Bromochloromethane
Concen: 25.162 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 128 Resp: 94255
Ion Ratio Lower Upper
128 100
49 207.9 151.5 281.5
130 122.6 91.3 169.6
51 64.3 51.5 77.3

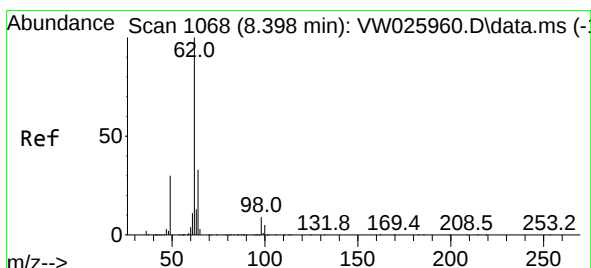
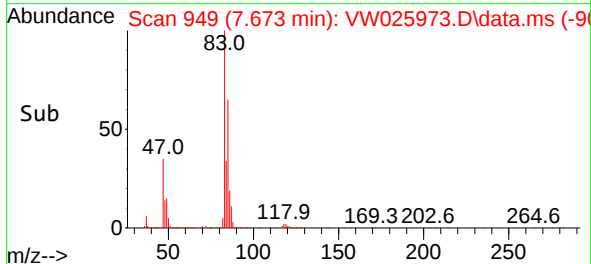
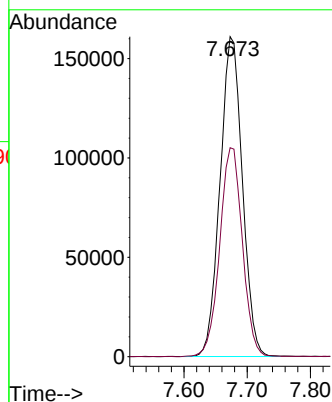
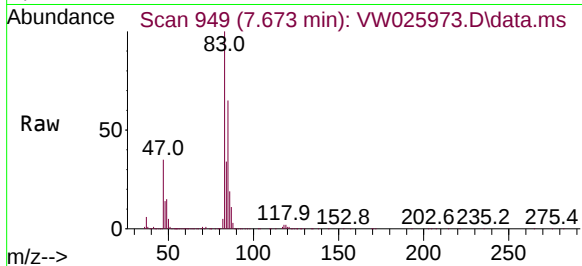




#25
Chloroform
Concen: 25.347 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

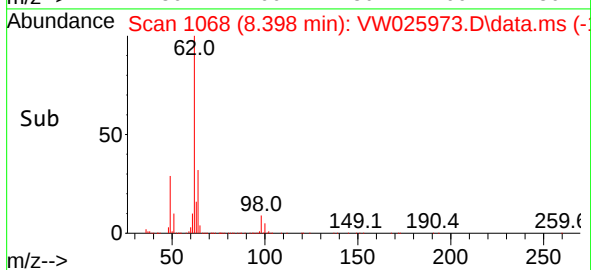
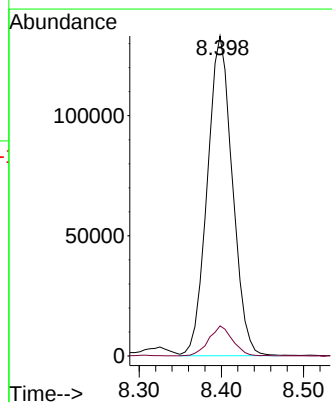
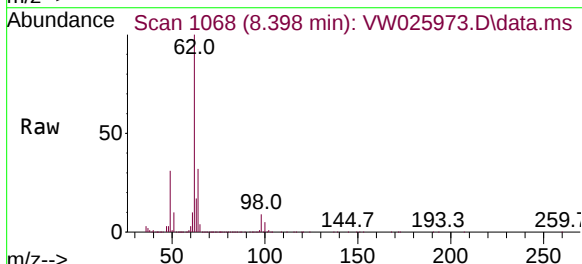
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

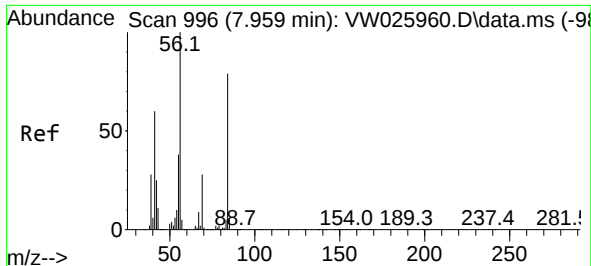
Tgt Ion: 83 Resp: 394478
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 25.483 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 62 Resp: 281659
Ion Ratio Lower Upper
62 100
98 9.4 7.2 10.8





#29

Cyclohexane

Concen: 21.994 ug/L

RT: 7.953 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488

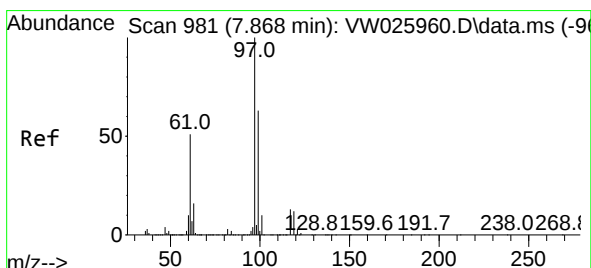
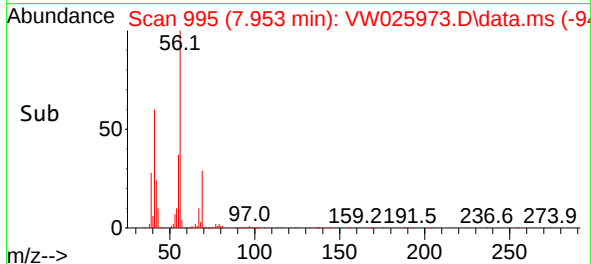
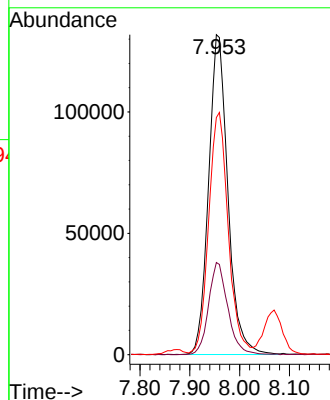
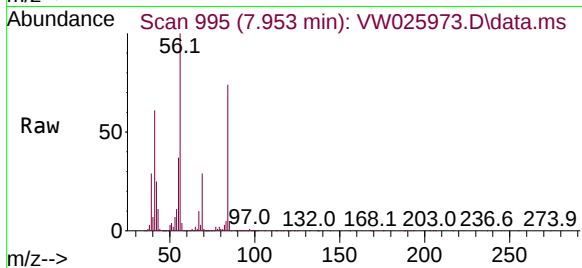
Tgt Ion: 56 Resp: 353544

Ion Ratio Lower Upper

56 100

69 28.7 23.4 35.0

84 76.9 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 22.938 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

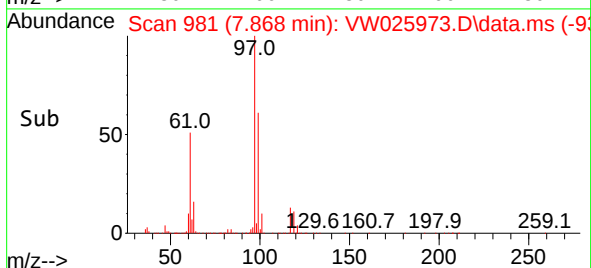
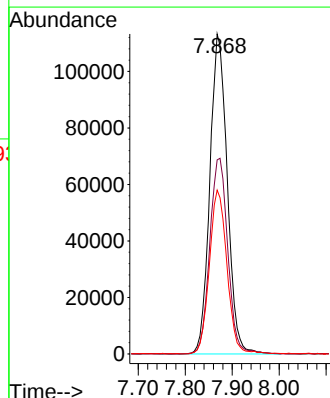
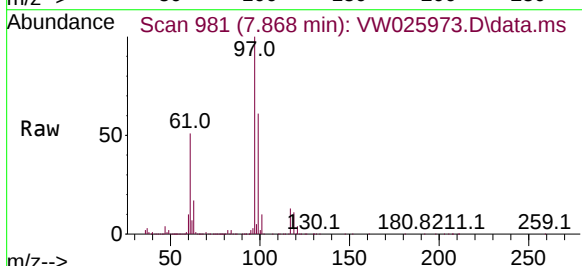
Tgt Ion: 97 Resp: 290977

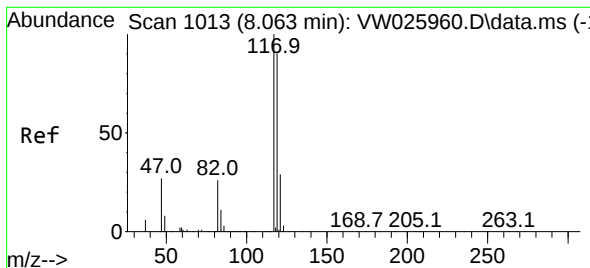
Ion Ratio Lower Upper

97 100

99 63.5 51.1 76.7

61 51.5 40.4 60.6





#31

Carbon tetrachloride

Concen: 23.175 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.006 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

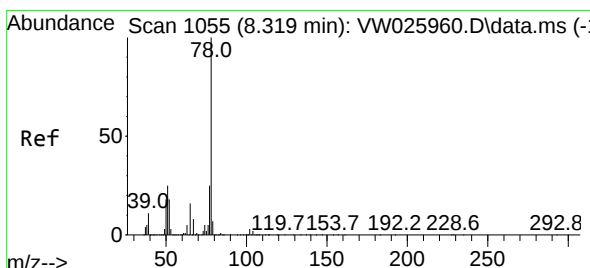
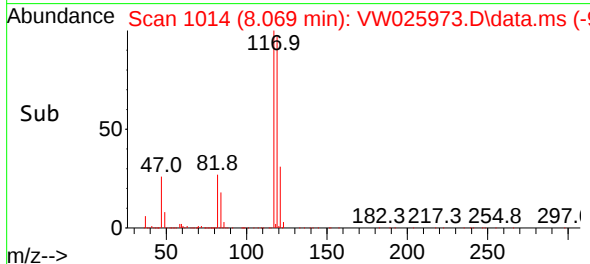
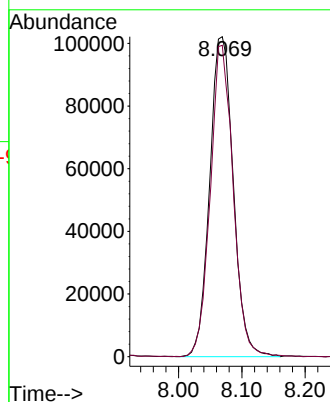
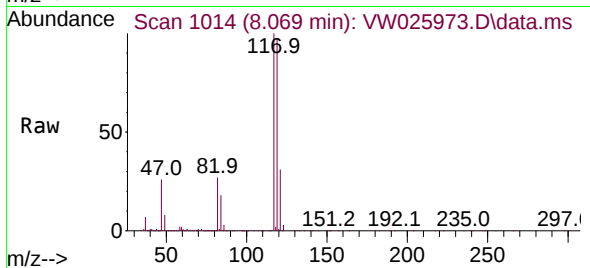
VSTD025488

Tgt Ion:117 Resp: 264563

Ion Ratio Lower Upper

117 100

119 94.3 76.9 115.3



#33

Benzene

Concen: 24.497 ug/L

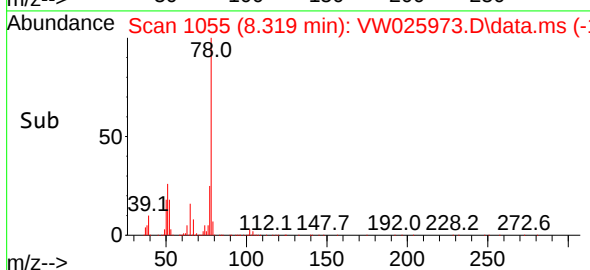
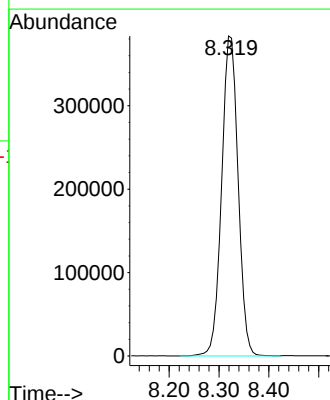
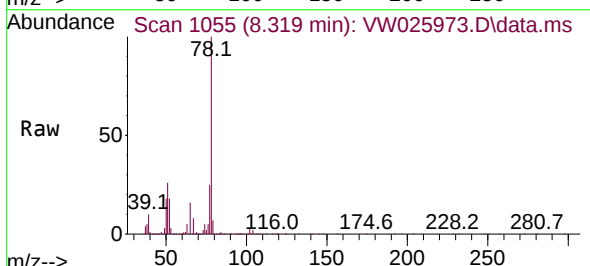
RT: 8.319 min Scan# 1055

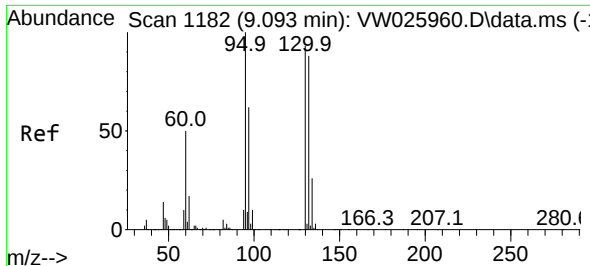
Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Tgt Ion: 78 Resp: 879102

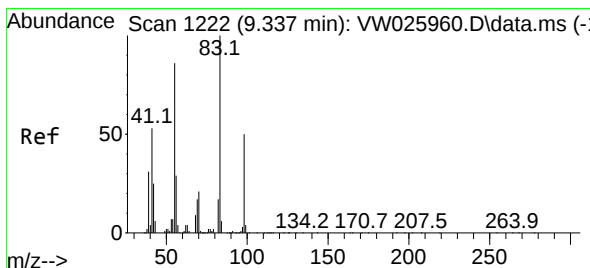
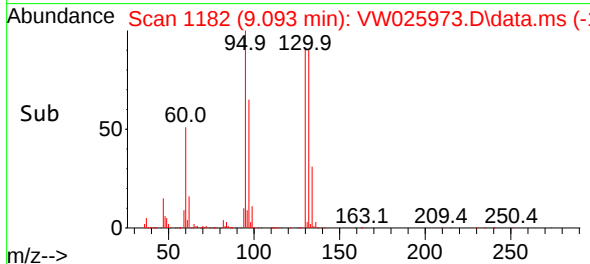
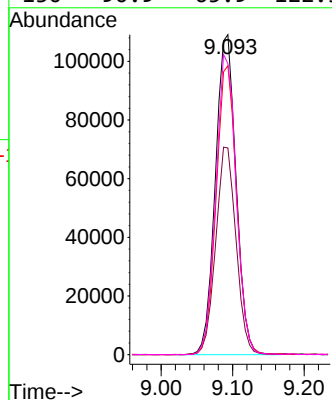
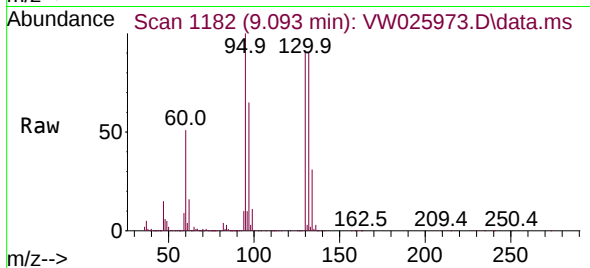




#34
Trichloroethene
Concen: 23.771 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

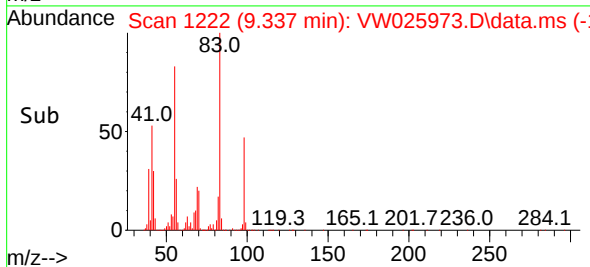
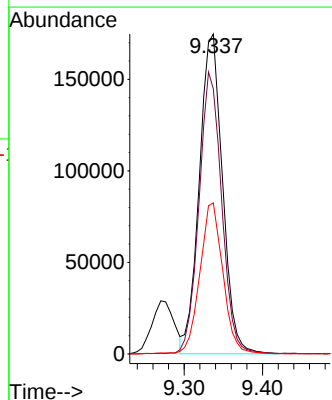
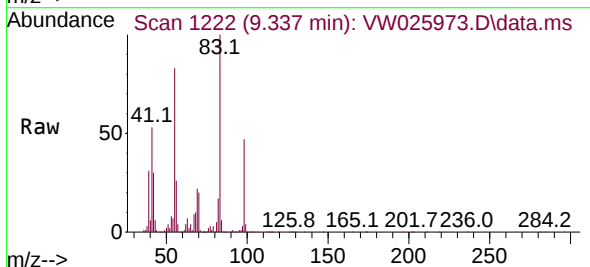
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

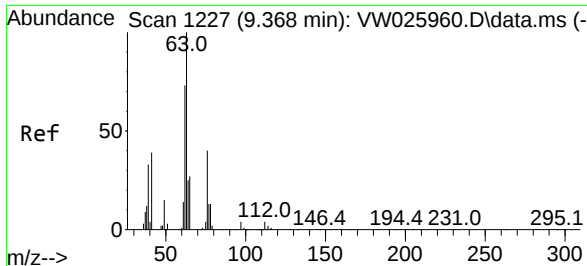
Tgt Ion: 95 Resp: 218903
Ion Ratio Lower Upper
95 100
97 64.6 45.9 85.3
132 90.3 66.0 122.6
130 90.9 65.9 122.3



#35
Methylcyclohexane
Concen: 21.967 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 83 Resp: 359787
Ion Ratio Lower Upper
83 100
55 86.2 69.0 103.4
98 46.8 37.1 55.7





#37

1,2-Dichloropropane

Concen: 25.049 ug/L

RT: 9.368 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

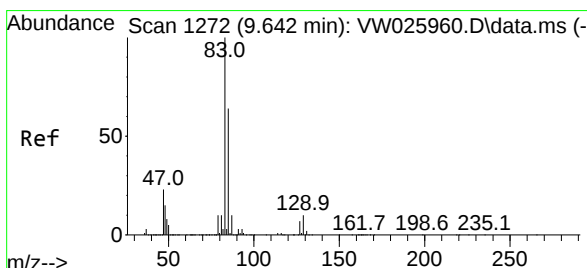
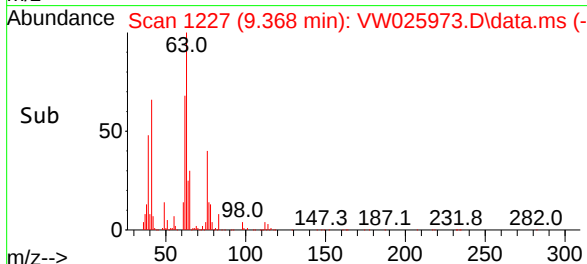
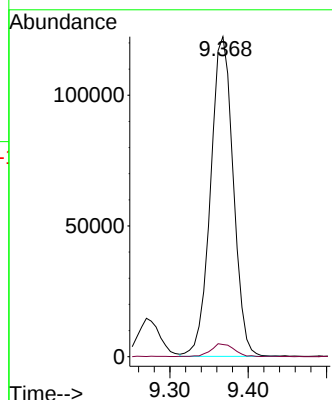
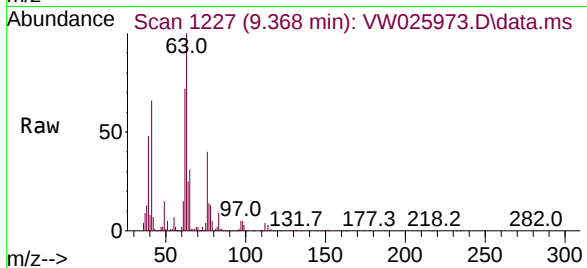
VSTD025488

Tgt Ion: 63 Resp: 246282

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 24.836 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

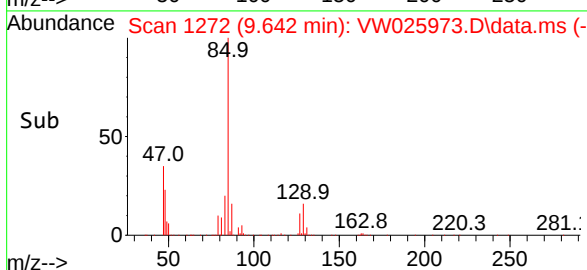
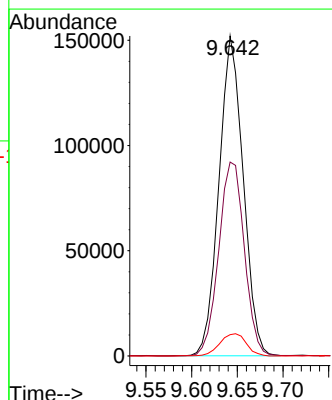
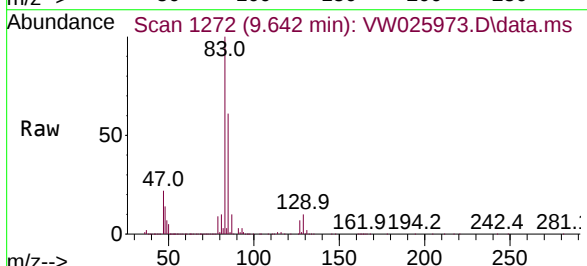
Tgt Ion: 83 Resp: 280147

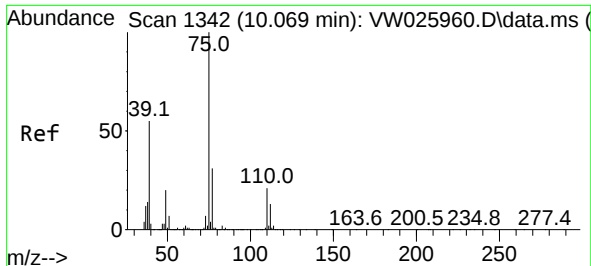
Ion Ratio Lower Upper

83 100

85 60.6 44.4 82.5

127 6.7 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 23.617 ug/L

RT: 10.069 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

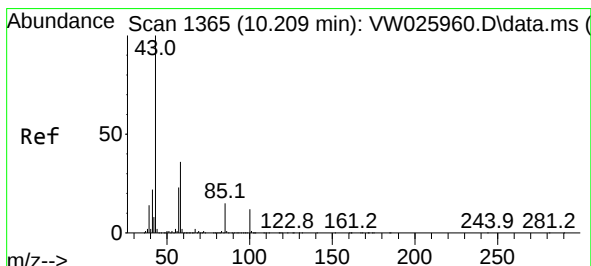
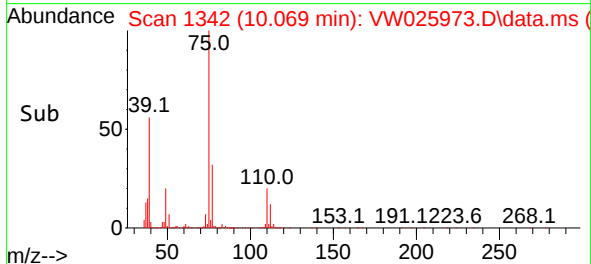
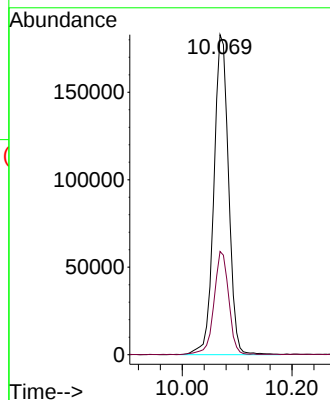
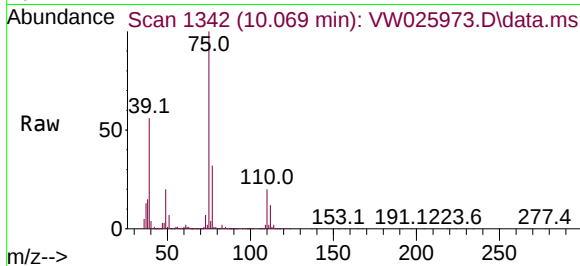
VSTD025488

Tgt Ion: 75 Resp: 340525

Ion Ratio Lower Upper

75 100

77 32.2 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 53.113 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

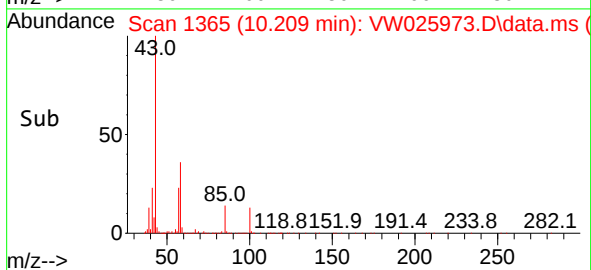
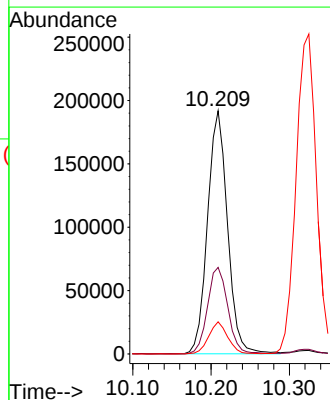
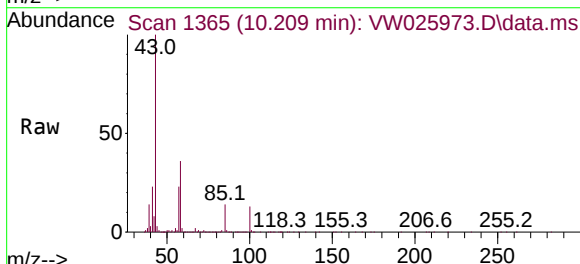
Tgt Ion: 43 Resp: 339908

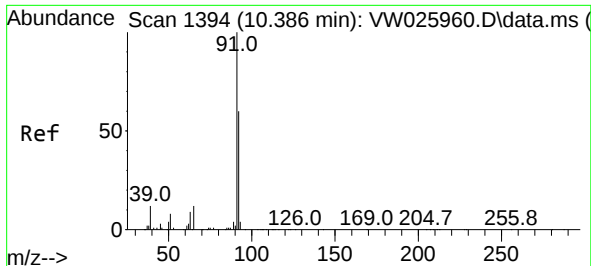
Ion Ratio Lower Upper

43 100

58 36.3 29.4 44.0

100 12.6 10.1 15.1

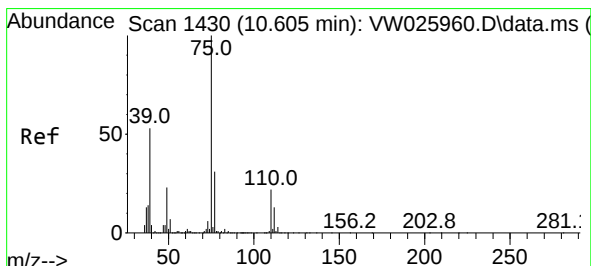
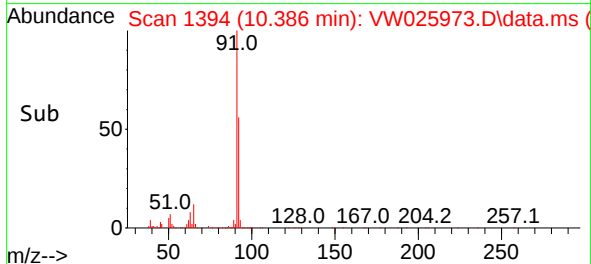
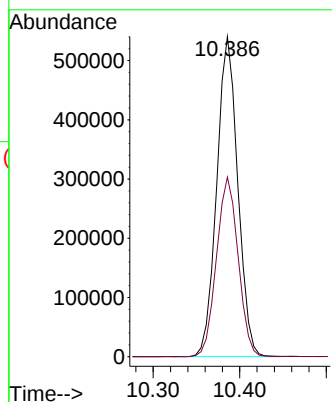
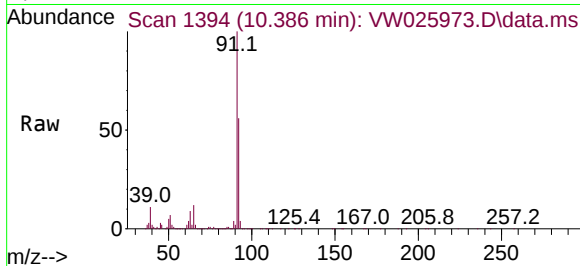




#42
Toluene
Concen: 24.853 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

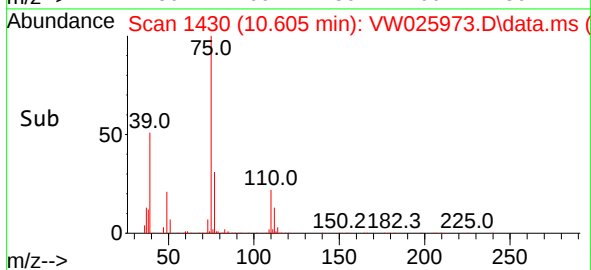
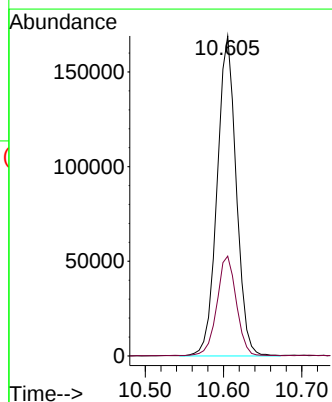
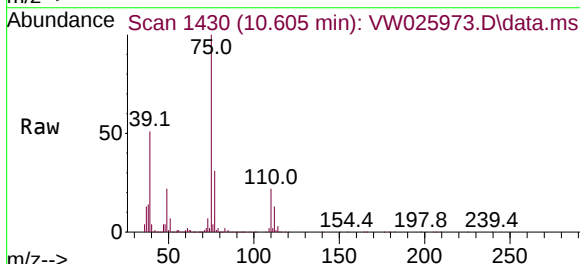
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

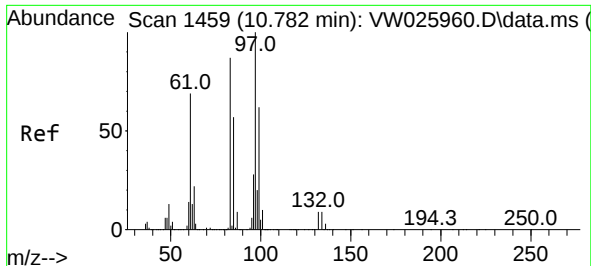
Tgt Ion: 91 Resp: 911317
Ion Ratio Lower Upper
91 100
92 56.1 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 24.045 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 75 Resp: 287272
Ion Ratio Lower Upper
75 100
77 31.2 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 25.244 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488

Tgt Ion: 97 Resp: 166026

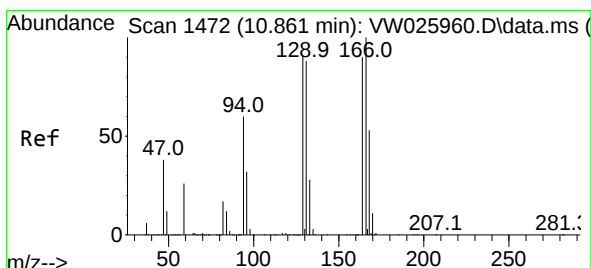
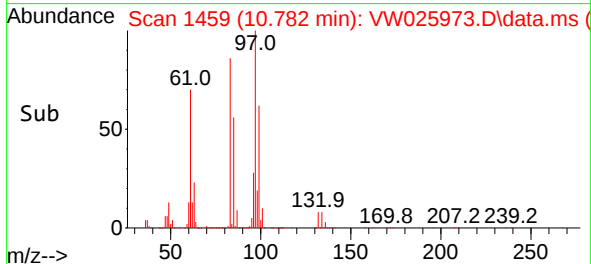
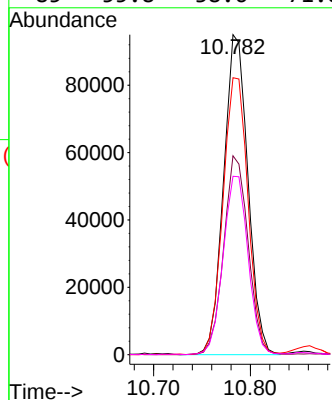
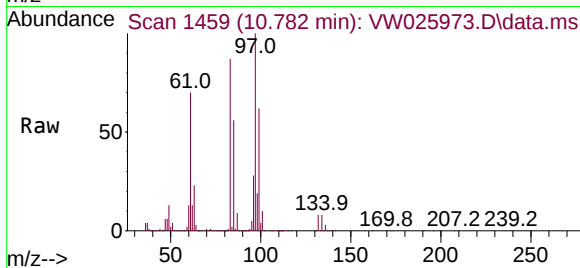
Ion Ratio Lower Upper

97 100

99 62.2 44.5 82.7

83 86.5 63.0 117.0

85 55.8 38.6 71.8



#46

Tetrachloroethene

Concen: 22.809 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Tgt Ion:164 Resp: 147766

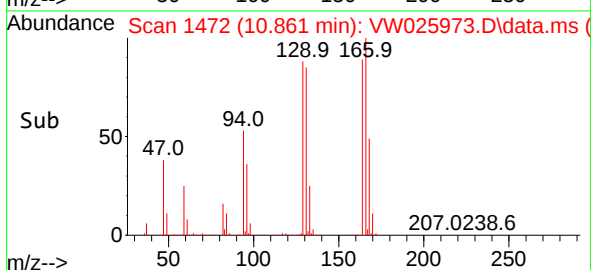
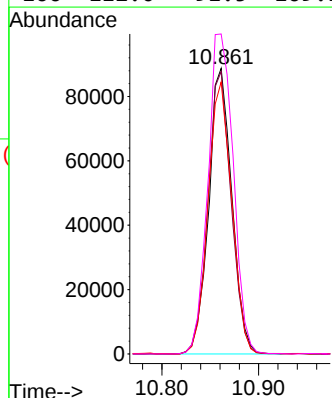
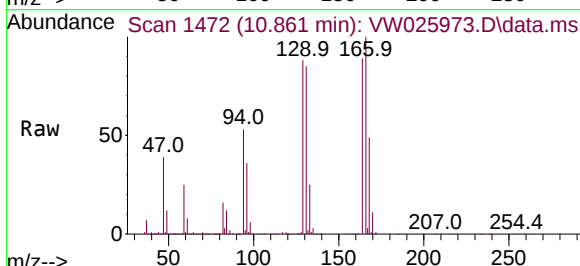
Ion Ratio Lower Upper

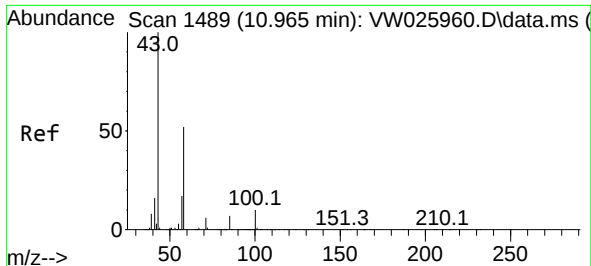
164 100

129 98.9 74.3 138.1

131 95.2 71.3 132.3

166 112.0 91.5 169.9

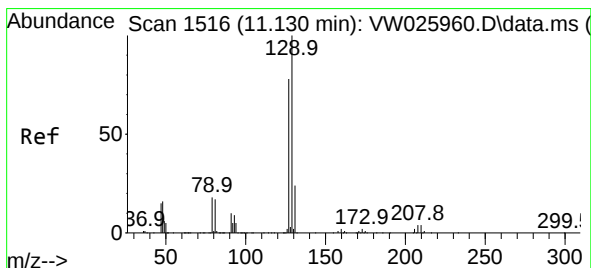
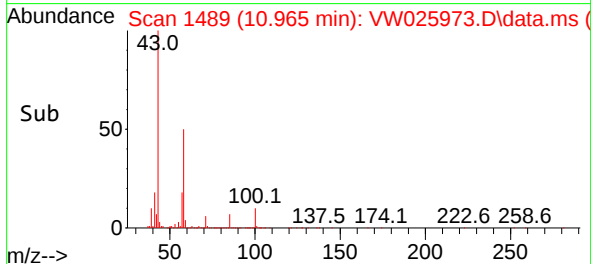
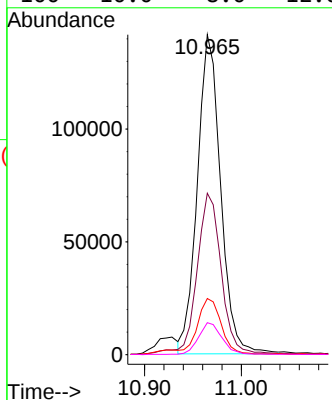
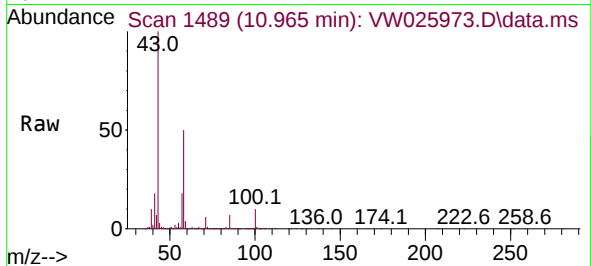




#48
2-Hexanone
Concen: 51.755 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

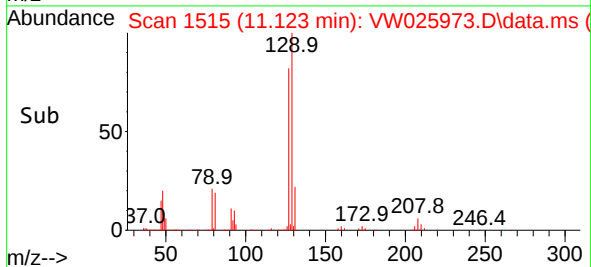
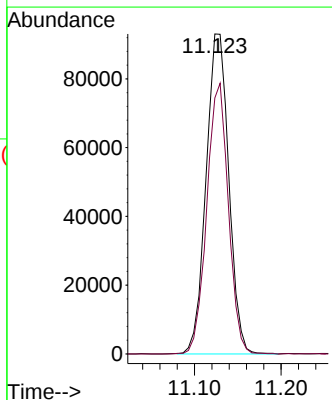
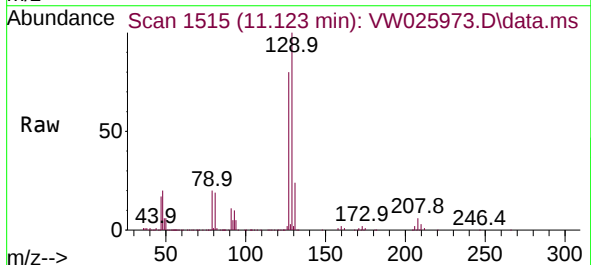
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

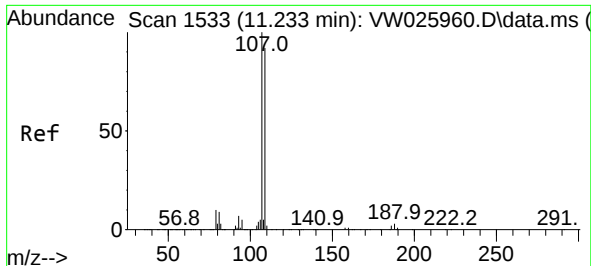
Tgt Ion: 43 Resp: 237280
Ion Ratio Lower Upper
43 100
58 51.9 40.8 61.2
57 17.8 13.6 20.4
100 10.0 8.0 12.0



#49
Dibromochloromethane
Concen: 24.938 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 129 Resp: 169802
Ion Ratio Lower Upper
129 100
127 80.0 56.1 104.3

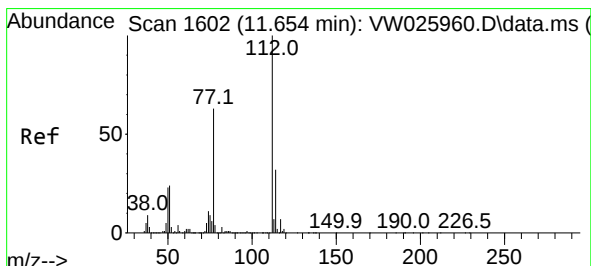
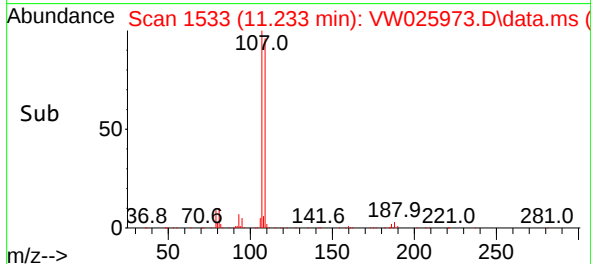
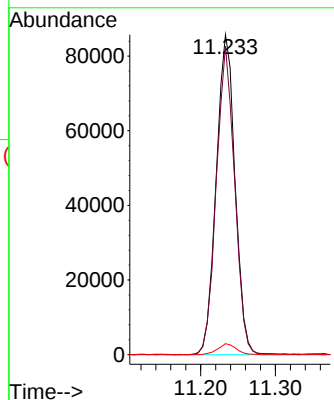
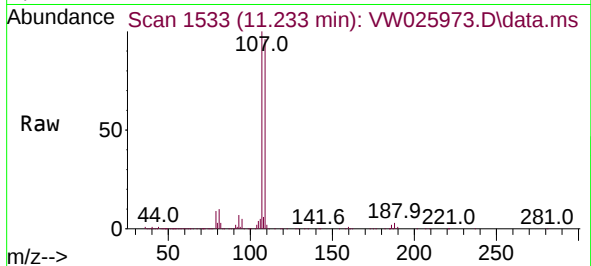




#50
1,2-Dibromoethane
Concen: 24.786 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

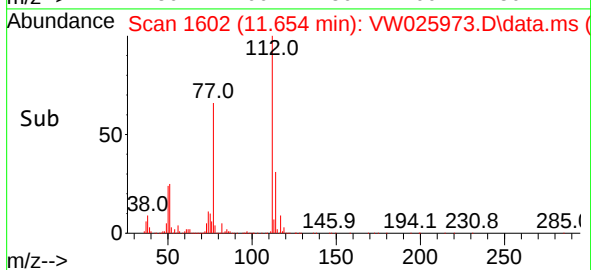
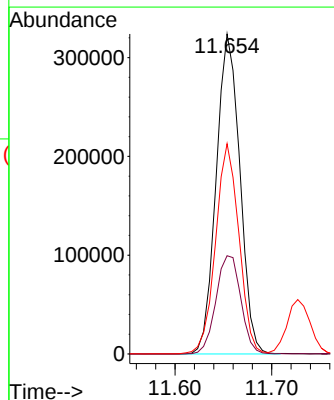
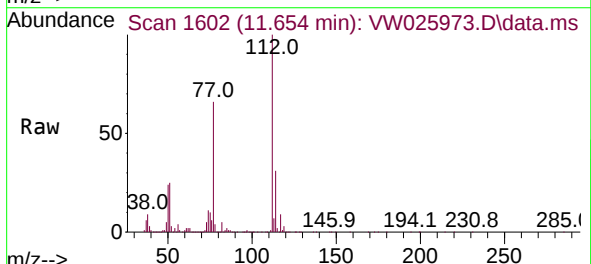
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

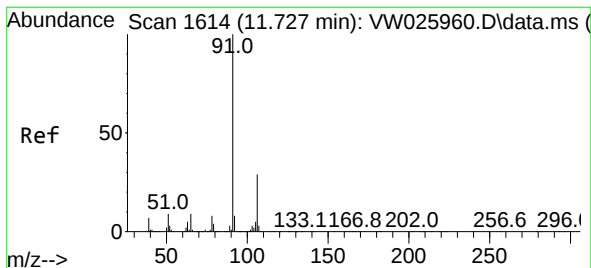
Tgt Ion:107 Resp: 150280
Ion Ratio Lower Upper
107 100
109 96.4 67.5 125.4
188 3.4 2.6 4.0



#51
Chlorobenzene
Concen: 24.255 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion:112 Resp: 550967
Ion Ratio Lower Upper
112 100
114 30.7 22.7 42.3
77 65.7 53.0 79.6

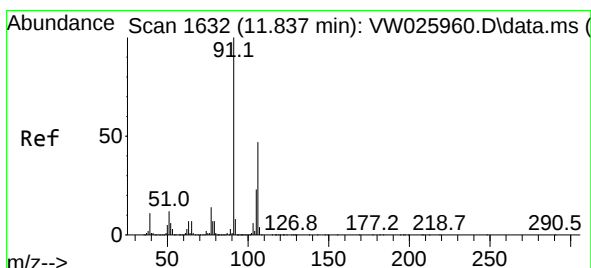
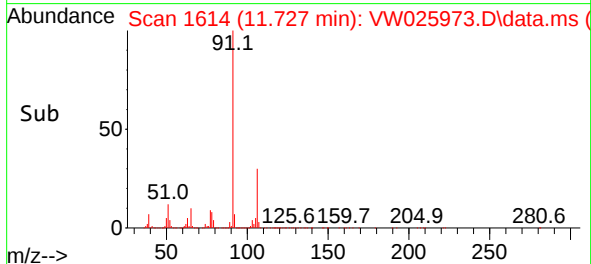
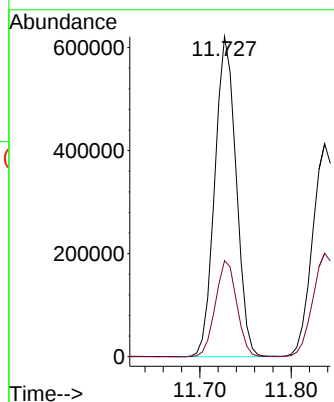
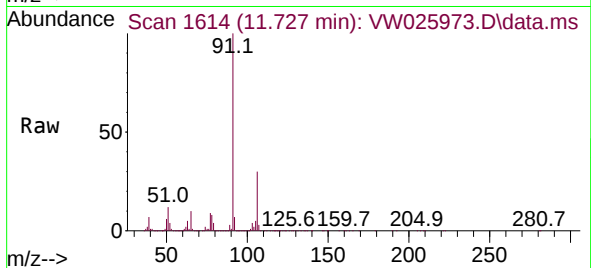




#52
Ethylbenzene
Concen: 24.470 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

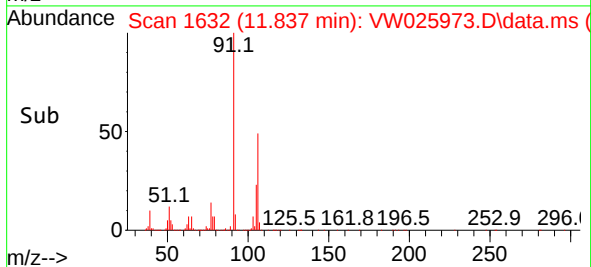
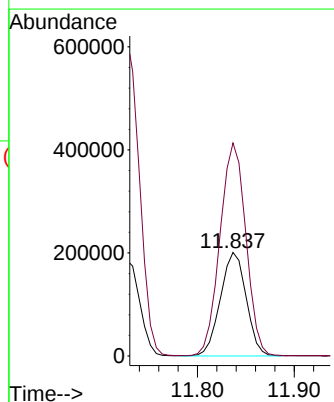
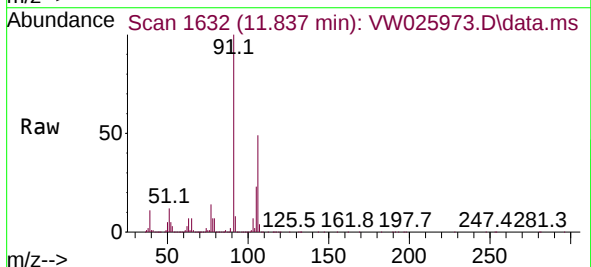
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

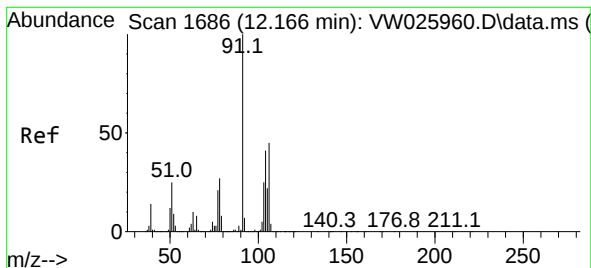
Tgt Ion: 91 Resp: 1009338
Ion Ratio Lower Upper
91 100
106 30.0 20.8 38.6



#53
m,p-Xylene
Concen: 24.525 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion: 106 Resp: 372311
Ion Ratio Lower Upper
106 100
91 205.8 150.1 278.9





#54

o-Xylene

Concen: 24.491 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

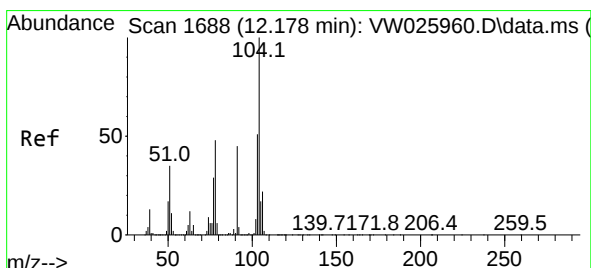
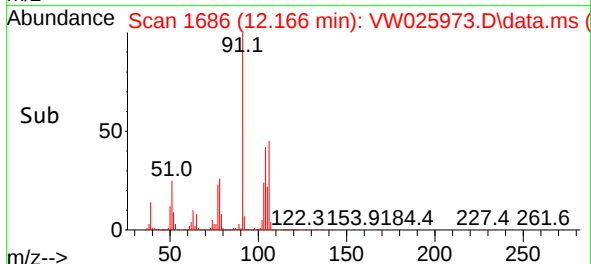
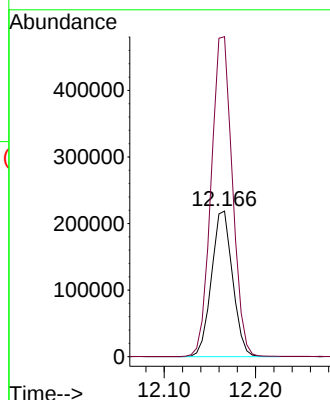
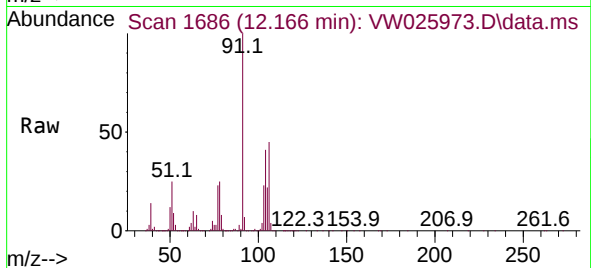
VSTD025488

Tgt Ion:106 Resp: 350436

Ion Ratio Lower Upper

106 100

91 219.8 157.8 293.1



#55

Styrene

Concen: 24.891 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW025973.D

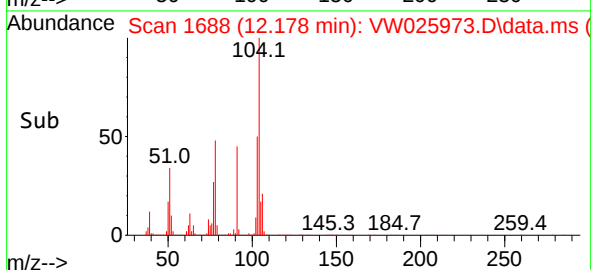
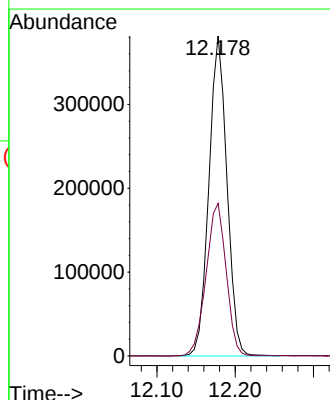
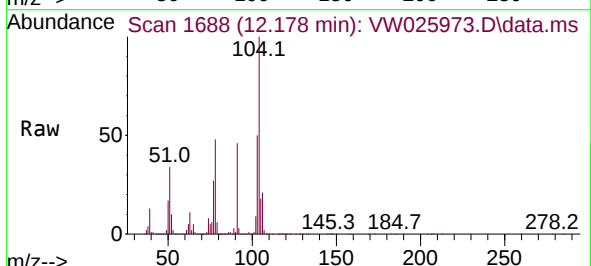
Acq: 12 May 2023 19:02

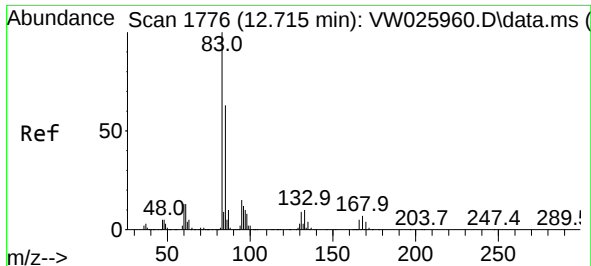
Tgt Ion:104 Resp: 609608

Ion Ratio Lower Upper

104 100

78 47.7 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 25.771 ug/L

RT: 12.709 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488

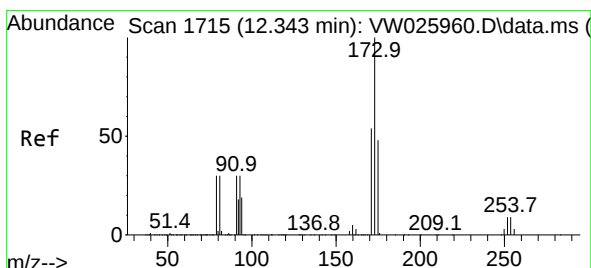
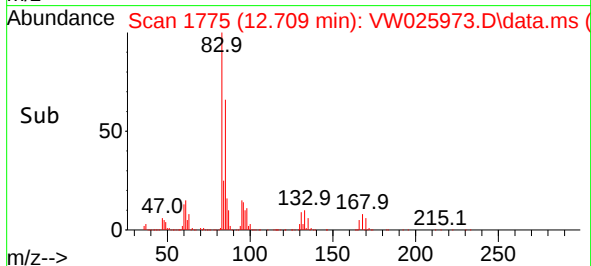
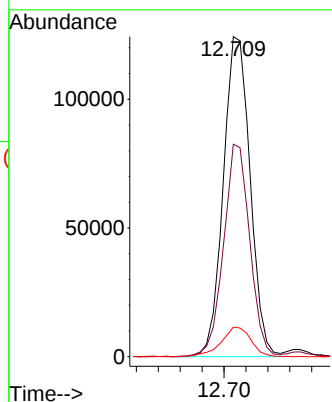
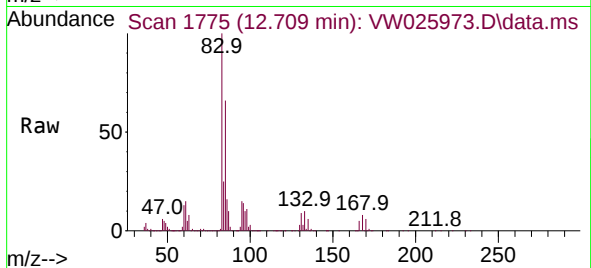
Tgt Ion: 83 Resp: 211492

Ion Ratio Lower Upper

83 100

85 66.4 45.6 84.8

131 9.3 8.1 12.1



#59

Bromoform

Concen: 25.115 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

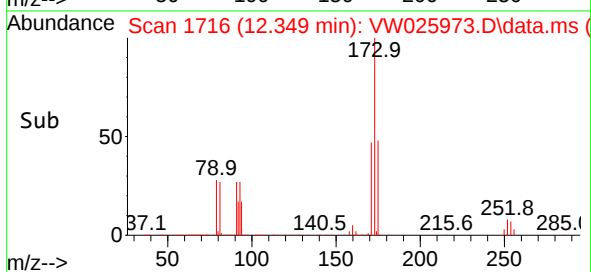
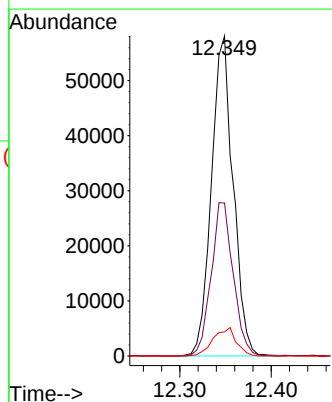
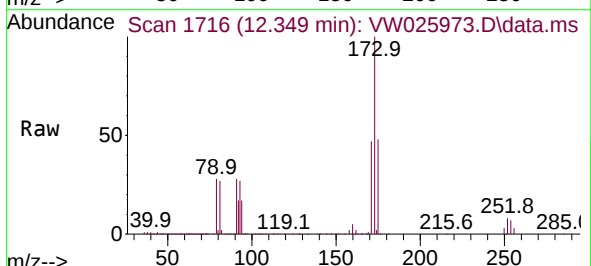
Tgt Ion:173 Resp: 95717

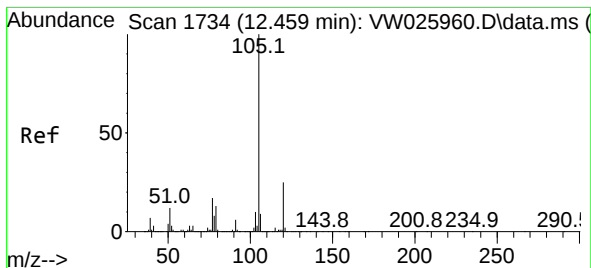
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 9.4 7.6 11.4





#60

Isopropylbenzene

Concen: 24.490 ug/L

RT: 12.459 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488

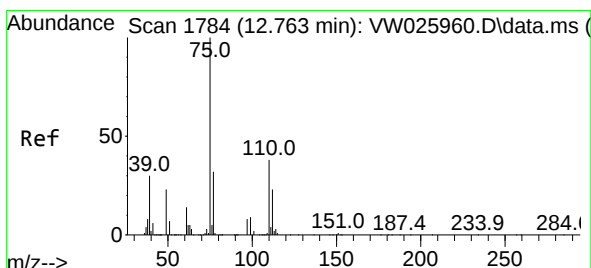
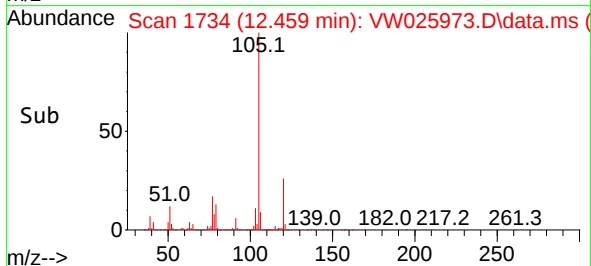
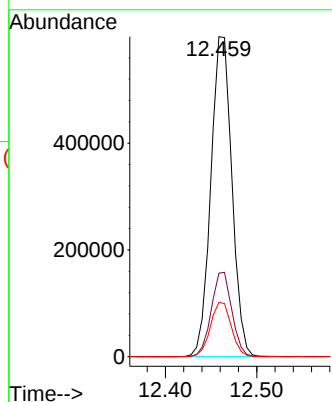
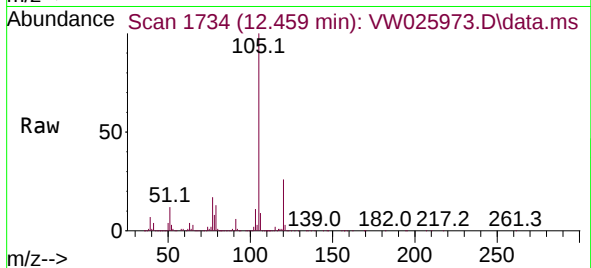
Tgt Ion:105 Resp: 957841

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

77 16.8 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 25.448 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

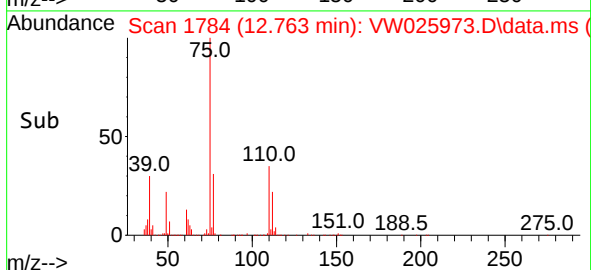
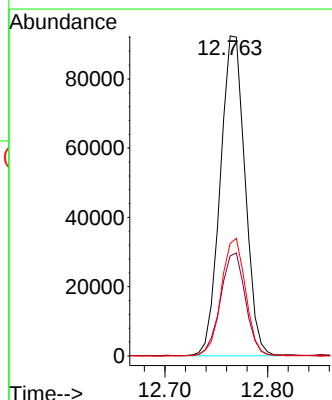
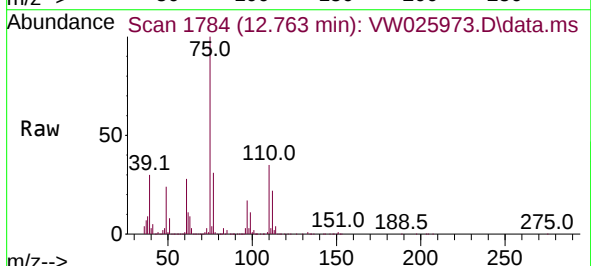
Tgt Ion: 75 Resp: 154746

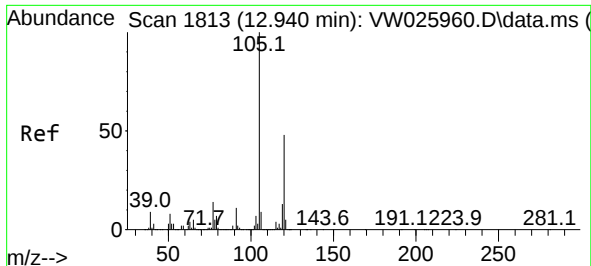
Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8

110 36.1 27.6 41.4

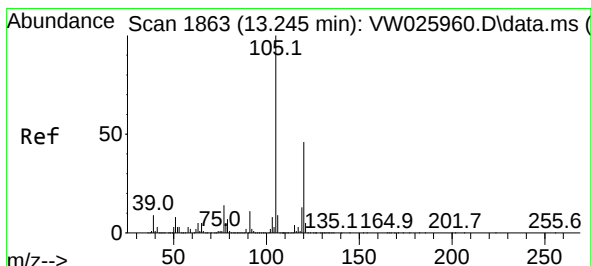
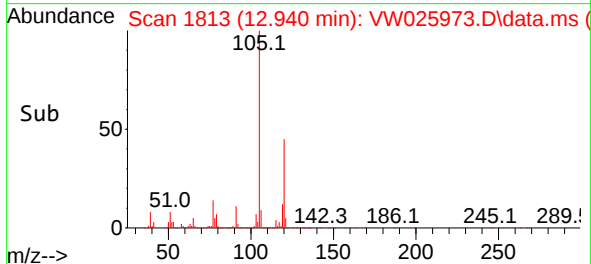
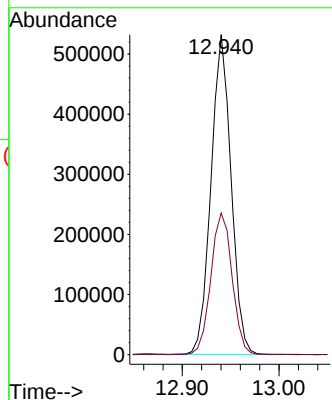
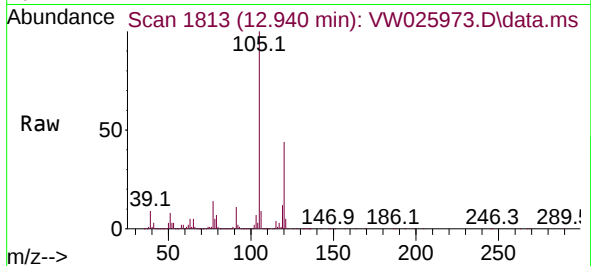




#62
 1,3,5-Trimethylbenzene
 Concen: 24.760 ug/L
 RT: 12.940 min Scan# 1813
 Delta R.T. -0.000 min
 Lab File: VW025973.D
 Acq: 12 May 2023 19:02

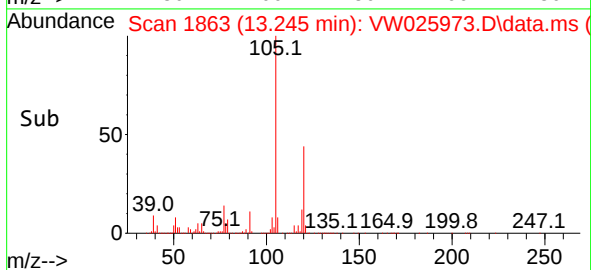
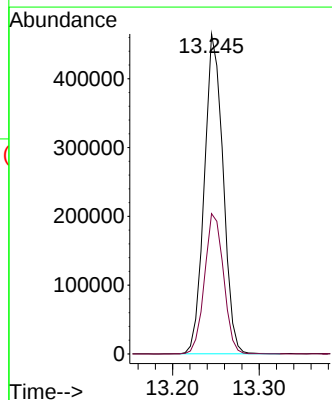
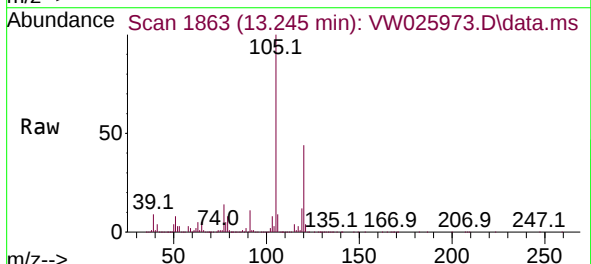
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025488

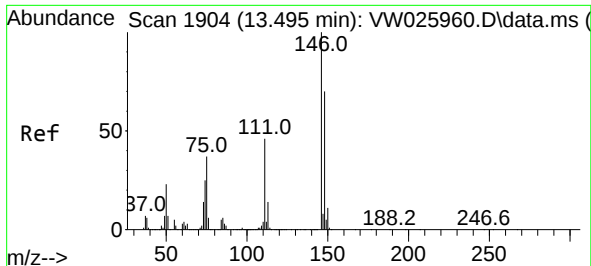
Tgt Ion:105 Resp: 766996
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.1 55.7



#63
 1,2,4-Trimethylbenzene
 Concen: 24.443 ug/L
 RT: 13.245 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: VW025973.D
 Acq: 12 May 2023 19:02

Tgt Ion:105 Resp: 698737
 Ion Ratio Lower Upper
 105 100
 120 44.5 34.7 52.1

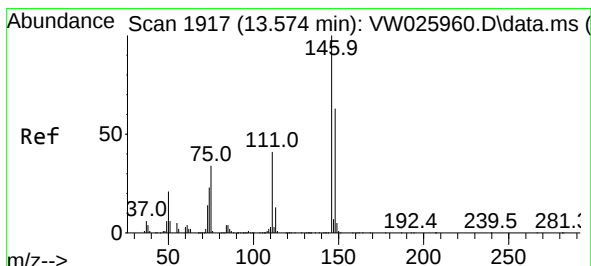
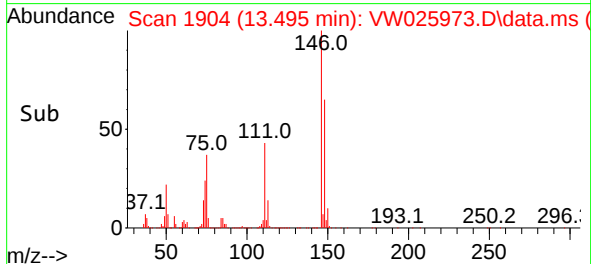
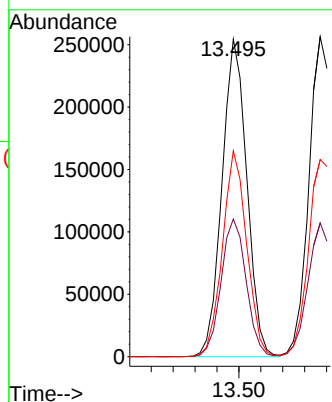
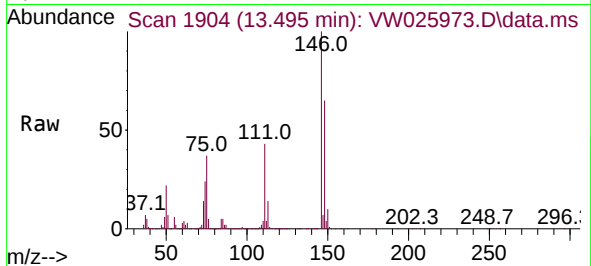




#64
1,3-Dichlorobenzene
Concen: 23.807 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

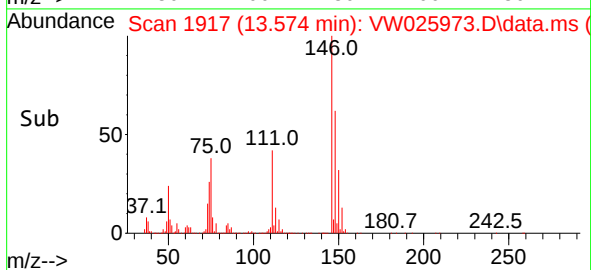
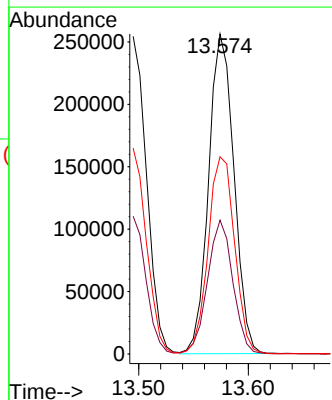
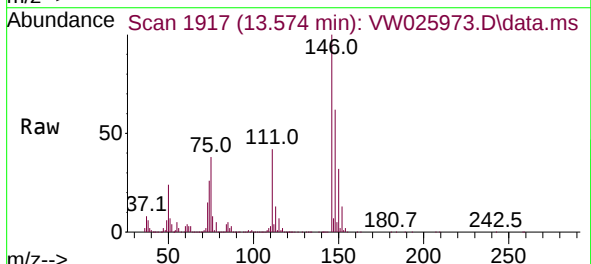
Instrument :
MSVOA_W
ClientSampleId :
VSTD025488

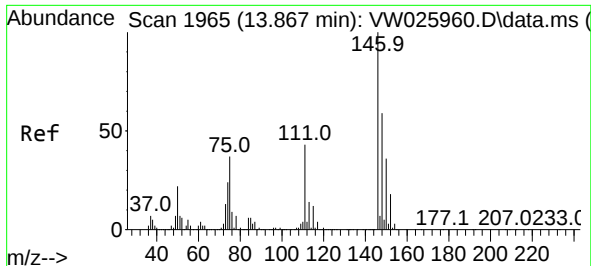
Tgt Ion:146 Resp: 400830
Ion Ratio Lower Upper
146 100
111 43.4 30.4 56.4
148 64.8 40.8 75.8



#65
1,4-Dichlorobenzene
Concen: 24.247 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW025973.D
Acq: 12 May 2023 19:02

Tgt Ion:146 Resp: 412443
Ion Ratio Lower Upper
146 100
111 41.8 27.9 51.9
148 61.6 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 25.146 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488

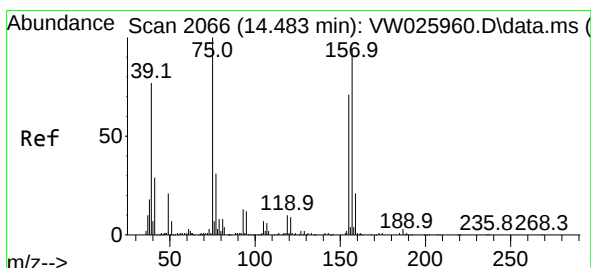
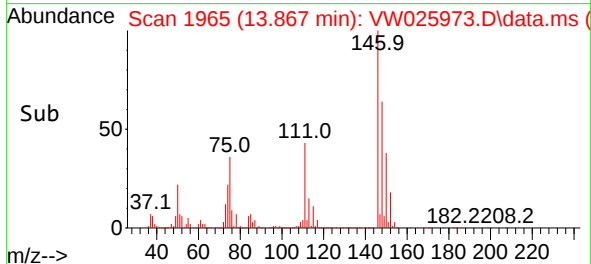
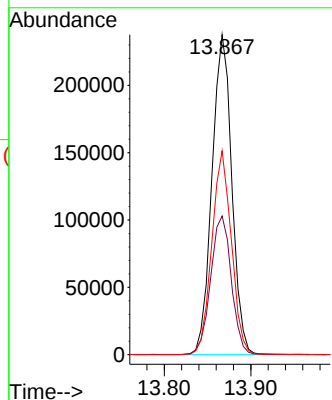
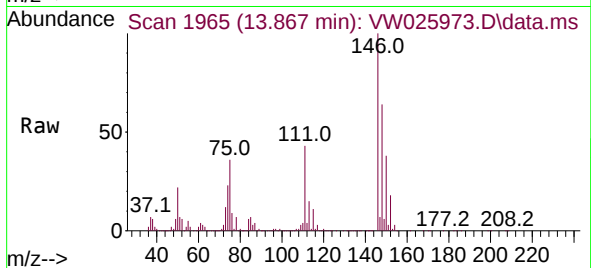
Tgt Ion:146 Resp: 377574

Ion Ratio Lower Upper

146 100

111 43.4 37.7 56.5

148 63.7 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 25.119 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

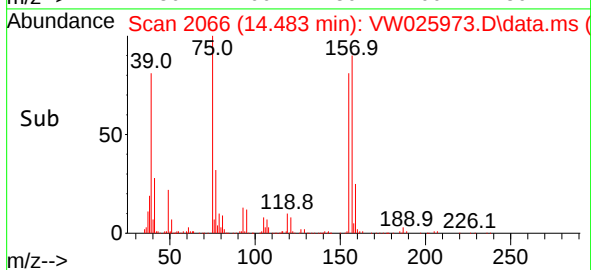
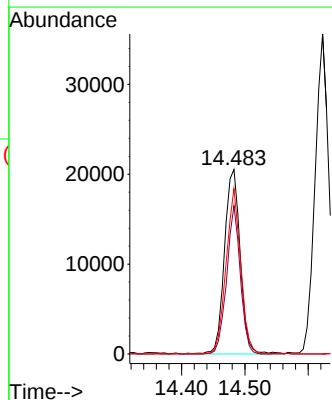
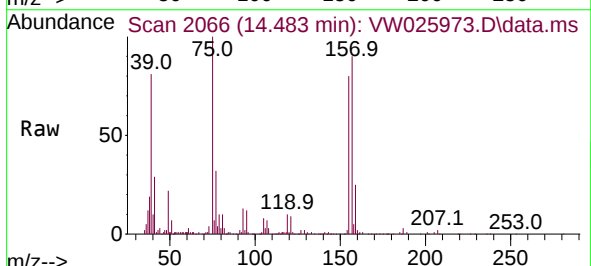
Tgt Ion: 75 Resp: 35420

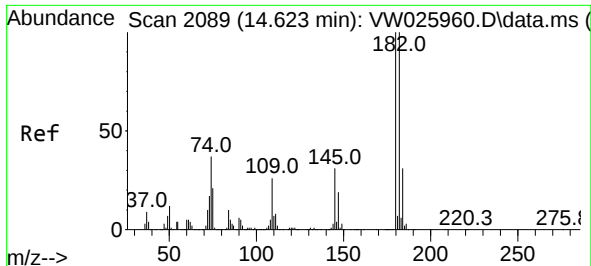
Ion Ratio Lower Upper

75 100

155 80.4 56.3 84.5

157 89.7 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 22.334 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW025973.D

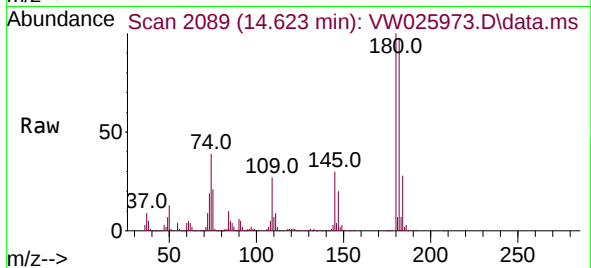
Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488



Tgt Ion:180 Resp: 249606

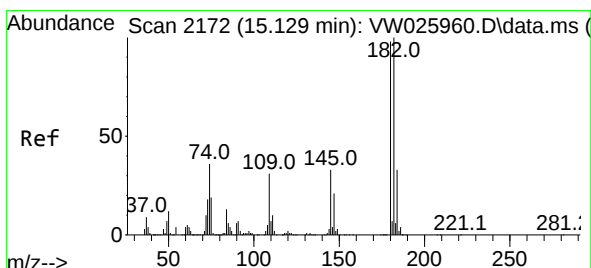
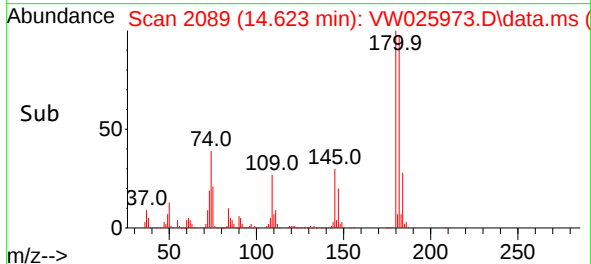
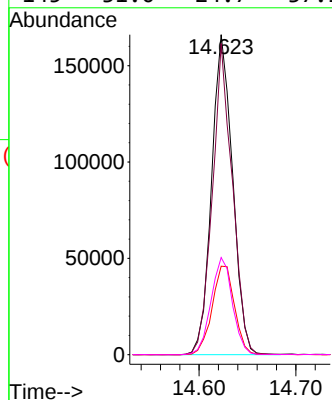
Ion Ratio Lower Upper

180 100

182 92.5 77.4 116.0

184 29.6 24.7 37.1

145 31.0 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 23.686 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

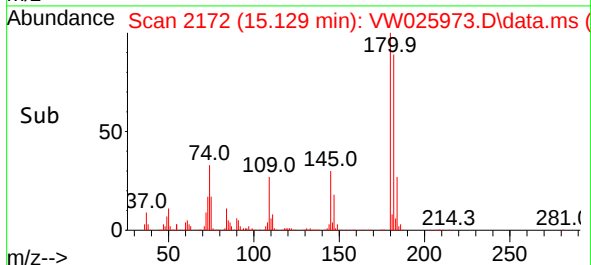
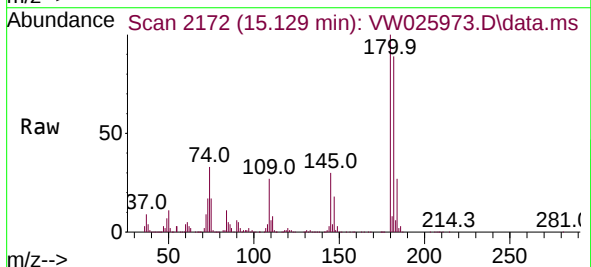
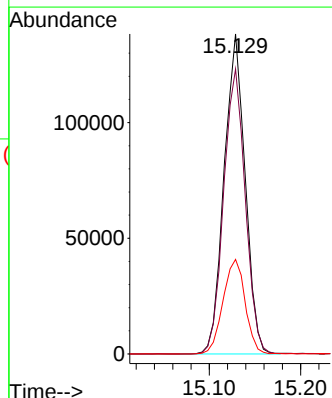
Tgt Ion:180 Resp: 221772

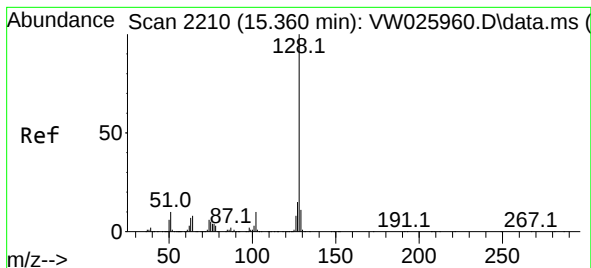
Ion Ratio Lower Upper

180 100

182 91.5 74.3 111.5

145 30.9 25.4 38.0





#71

Naphthalene

Concen: 25.716 ug/L

RT: 15.360 min Scan# 21

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD025488

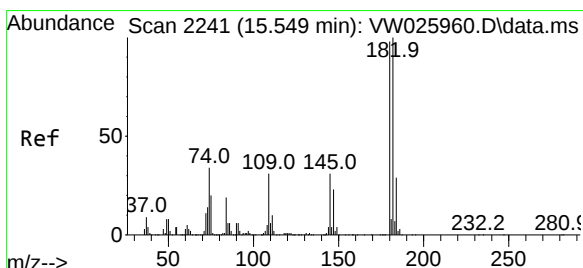
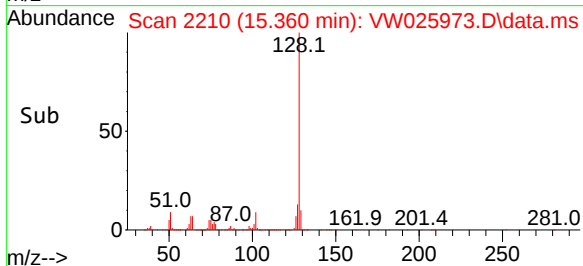
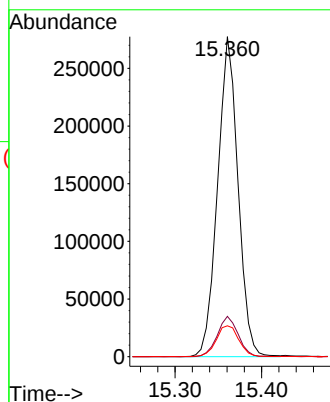
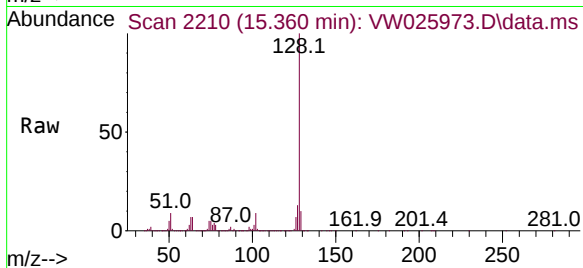
Tgt Ion:128 Resp: 454448

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.8 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 24.956 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW025973.D

Acq: 12 May 2023 19:02

Tgt Ion:180 Resp: 207324

Ion Ratio Lower Upper

180 100

182 91.3 76.1 114.1

145 33.2 28.0 42.0

