

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072623\
 Data File : VW026662.D
 Acq On : 26 Jul 2023 15:53
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025570

Quant Time: Jul 27 03:03:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 27 03:01:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	619011	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	583569	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	293005	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	205398	19.671	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.680%
7) Chloroethane-d5	2.893	69	165772	22.625	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.520%
11) 1,1-Dichloroethene-d2	4.027	65	96659	19.712	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.840%
21) 2-Butanone-d5	7.075	46	136475	40.443	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.880%
24) Chloroform-d	7.648	84	448463	25.164	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.640%
26) 1,2-Dichloroethane-d4	8.307	65	246244	24.746	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	8.270	84	899642	22.457	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.840%
36) 1,2-Dichloropropane-d6	9.270	67	284427	23.090	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.360%
41) Toluene-d8	10.325	98	784706	22.838	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.360%
43) trans-1,3-Dichloroprop...	10.575	79	108293	21.938	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.760%
47) 2-Hexanone-d5	10.922	63	92946	38.669	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.340%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	220673	21.155	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.600%
66) 1,2-Dichlorobenzene-d4	13.848	152	254659	23.672	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	127300	18.231	ug/L	95
3) Chloromethane	2.228	50	224945	22.547	ug/L	98
5) Vinyl chloride	2.375	62	228510	21.733	ug/L	100
6) Bromomethane	2.783	94	131960	23.608	ug/L	98
8) Chloroethane	2.936	64	140833	23.954	ug/L	96
9) Trichlorofluoromethane	3.259	101	151615	19.468	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	208488	24.122	ug/L	98
12) 1,1-Dichloroethene	4.051	96	190604	22.985	ug/L	90
13) Acetone	4.118	43	91155	37.553	ug/L	97
14) Carbon disulfide	4.393	76	629724	21.663	ug/L	98
15) Methyl Acetate	4.667	43	127480	21.859	ug/L	99
16) Methylene chloride	4.923	84	249010	22.771	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	219550	24.762	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	348500	25.114	ug/L	99
19) 1,1-Dichloroethane	6.216	63	471371	26.591	ug/L	97
20) cis-1,2-Dichloroethene	7.167	96	250135	27.244	ug/L	99
22) 2-Butanone	7.167	43	163384	44.201	ug/L	100
23) Bromochloromethane	7.514	128	104845	26.659	ug/L	96
25) Chloroform	7.673	83	442197	27.226	ug/L	97

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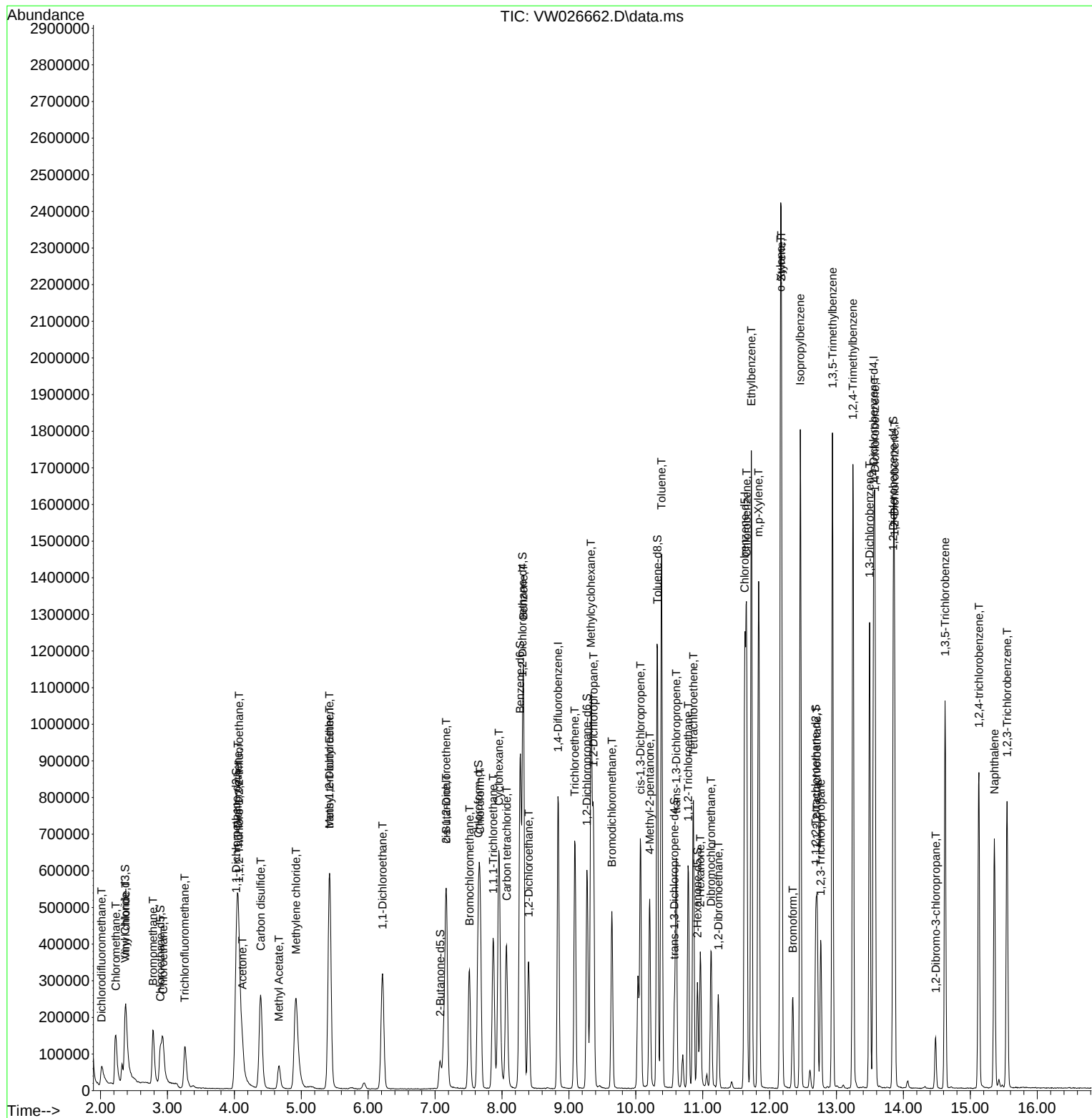
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	315480	27.592	ug/L	98
29) Cyclohexane	7.953	56	387721	21.339	ug/L	99
30) 1,1,1-Trichloroethane	7.868	97	333120	23.290	ug/L	98
31) Carbon tetrachloride	8.069	117	306279	23.589	ug/L	96
33) Benzene	8.319	78	981022	24.398	ug/L	100
34) Trichloroethene	9.087	95	239737	23.211	ug/L	95
35) Methylcyclohexane	9.331	83	407677	21.982	ug/L	99
37) 1,2-Dichloropropane	9.367	63	273620	25.624	ug/L	99
38) Bromodichloromethane	9.642	83	320240	26.397	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	390803	25.421	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	357807	44.395	ug/L	99
42) Toluene	10.386	91	1018491	25.082	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	335224	25.855	ug/L	97
45) 1,1,2-Trichloroethane	10.782	97	189072	25.370	ug/L	99
46) Tetrachloroethene	10.861	164	172914	23.582	ug/L	85
48) 2-Hexanone	10.965	43	246640	43.850	ug/L	97
49) Dibromochloromethane	11.123	129	193267	26.190	ug/L	94
50) 1,2-Dibromoethane	11.233	107	167836	23.891	ug/L	96
51) Chlorobenzene	11.654	112	626714	25.172	ug/L	99
52) Ethylbenzene	11.727	91	1150177	25.442	ug/L	98
53) m,p-Xylene	11.836	106	423336	25.740	ug/L	91
54) o-Xylene	12.166	106	403414	26.132	ug/L	99
55) Styrene	12.178	104	708044	27.192	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	233626	23.887	ug/L	96
59) Bromoform	12.349	173	113445	24.480	ug/L #	95
60) Isopropylbenzene	12.458	105	1073629	23.683	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	172127	21.750	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	893623	25.700	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	881938	25.583	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	455230	23.931	ug/L	94
65) 1,4-Dichlorobenzene	13.574	146	489618	25.808	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	425686	25.285	ug/L	87
68) 1,2-Dibromo-3-chloropr...	14.482	75	37206	19.752	ug/L	86
69) 1,3,5-Trichlorobenzene	14.623	180	293985	23.353	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	255070	24.691	ug/L	99
71) Naphthalene	15.360	128	543548	23.234	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	239737	24.651	ug/L	99

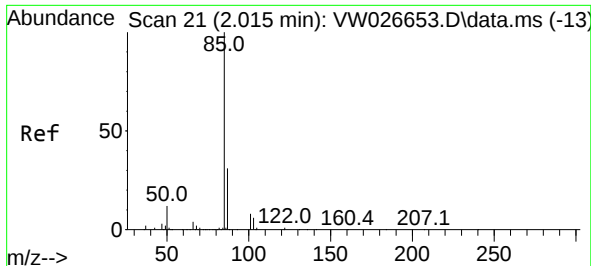
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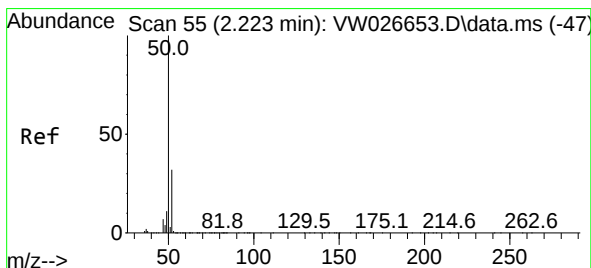
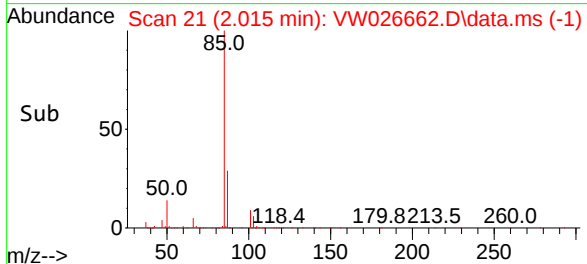
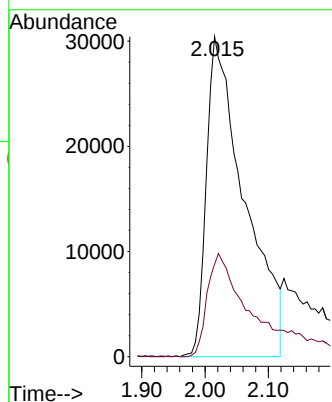
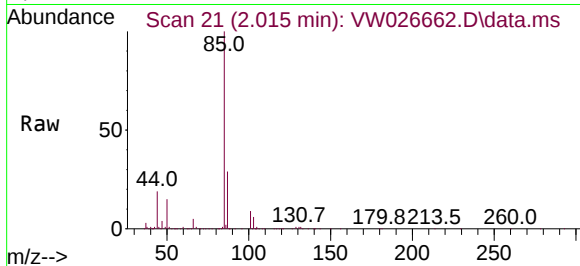




#2
 Dichlorodifluoromethane
 Concen: 18.231 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW026662.D
 Acq: 26 Jul 2023 15:53

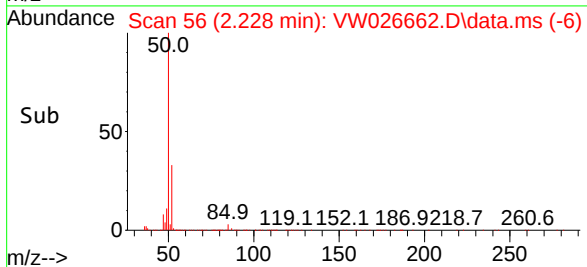
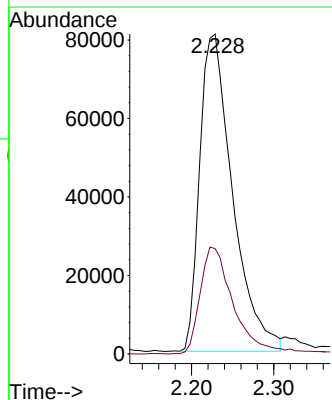
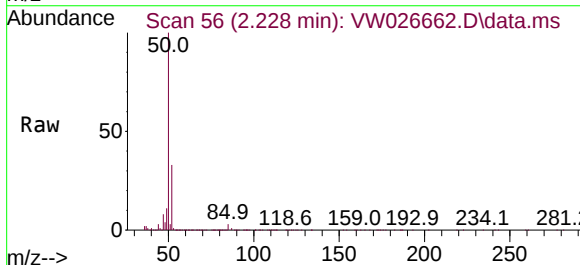
Instrument :
 MSVOA_W
 ClientSampleId :
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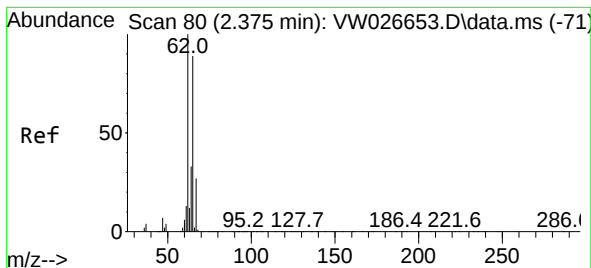
Tgt Ion: 85 Resp: 127300
 Ion Ratio Lower Upper
 85 100
 87 29.4 21.4 32.0



#3
 Chloromethane
 Concen: 22.547 ug/L
 RT: 2.228 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW026662.D
 Acq: 26 Jul 2023 15:53

Tgt Ion: 50 Resp: 224945
 Ion Ratio Lower Upper
 50 100
 52 33.0 22.5 41.7





#5

Vinyl chloride

Concen: 21.733 ug/L

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

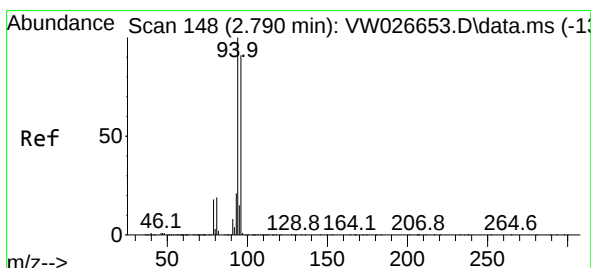
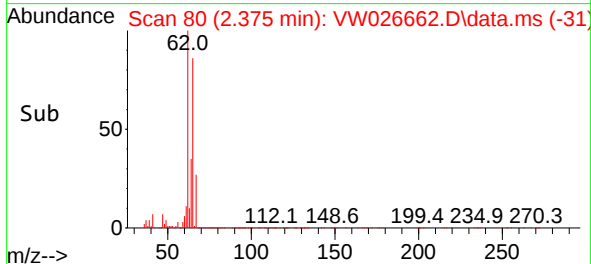
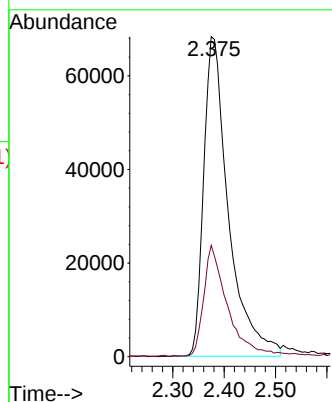
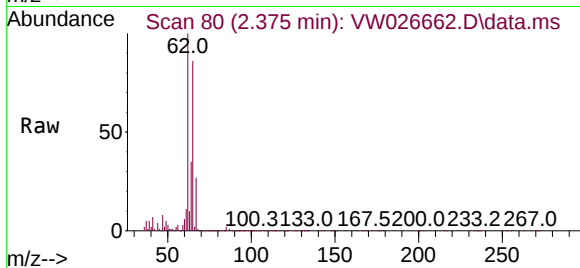
VSTD025570

Tgt Ion: 62 Resp: 228510

Ion Ratio Lower Upper

62 100

64 34.7 24.2 45.0



#6

Bromomethane

Concen: 23.608 ug/L

RT: 2.783 min Scan# 147

Delta R.T. -0.006 min

Lab File: VW026662.D

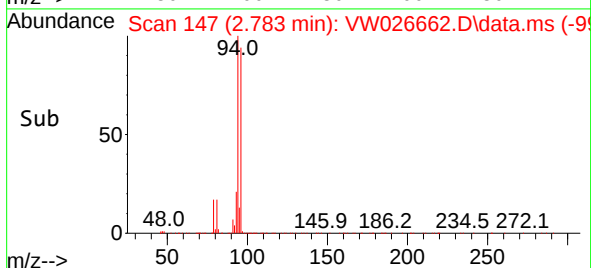
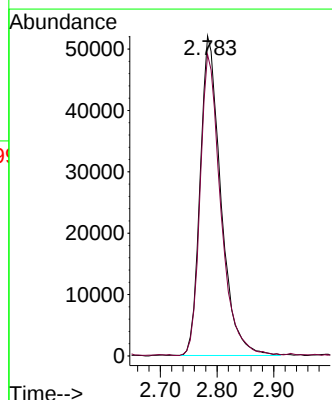
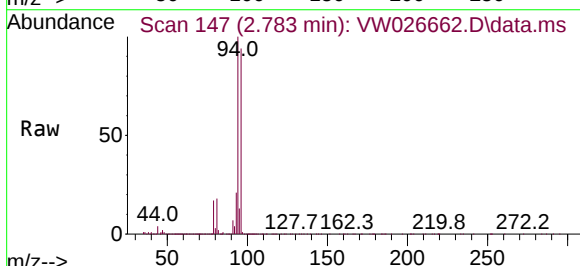
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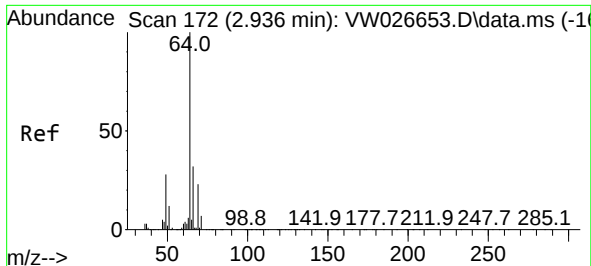
Tgt Ion: 94 Resp: 131960

Ion Ratio Lower Upper

94 100

96 94.2 64.5 119.9

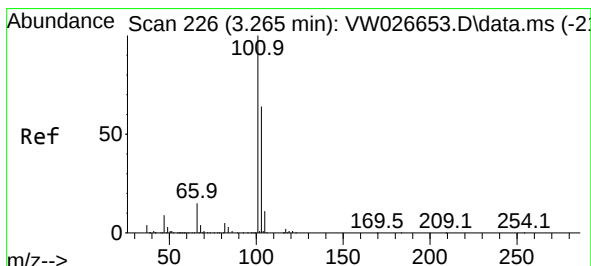
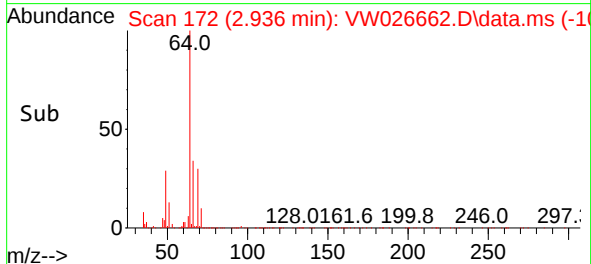
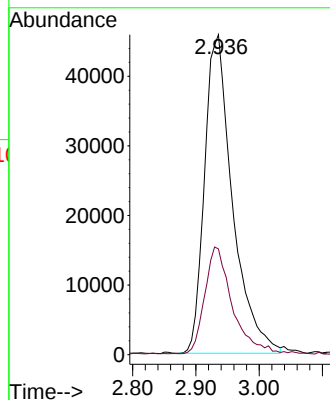
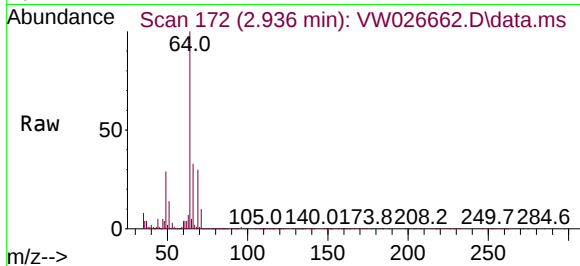




#8
Chloroethane
Concen: 23.954 ug/L
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

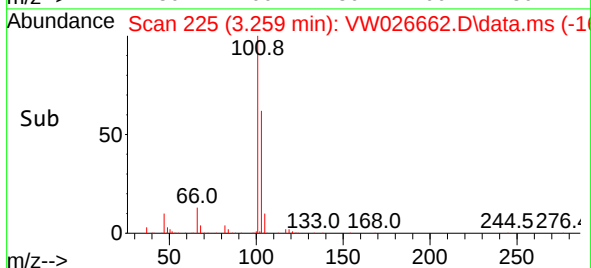
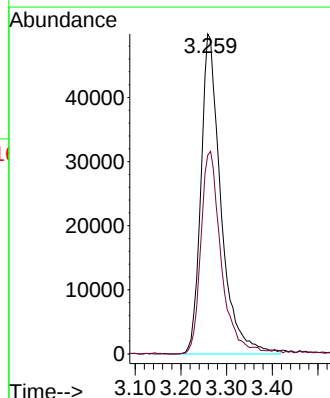
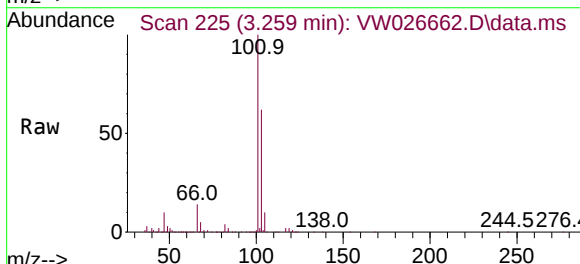
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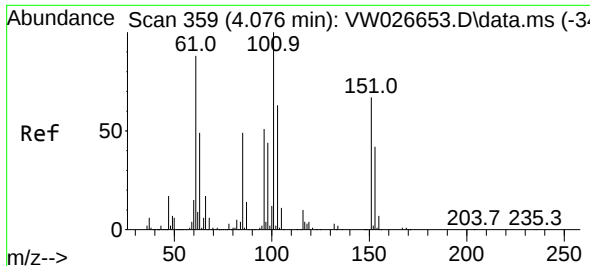
Tgt Ion: 64 Resp: 140833
Ion Ratio Lower Upper
64 100
66 33.0 21.7 40.3



#9
Trichlorofluoromethane
Concen: 19.468 ug/L
RT: 3.259 min Scan# 225
Delta R.T. -0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 101 Resp: 151615
Ion Ratio Lower Upper
101 100
103 63.1 50.3 75.5

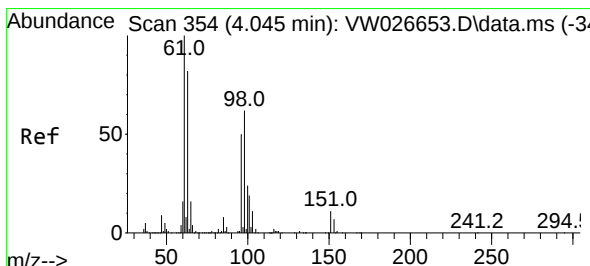
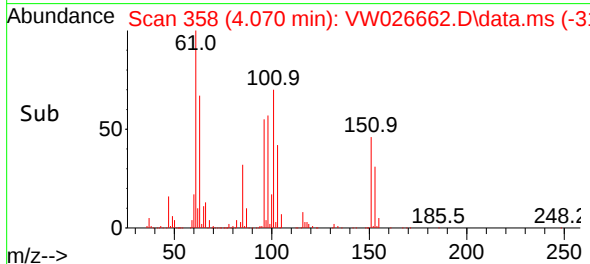
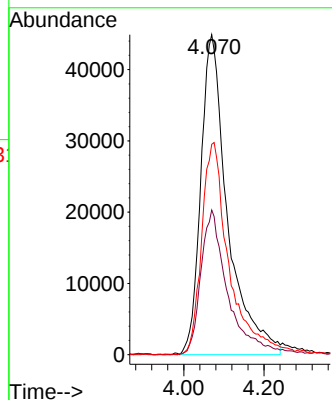
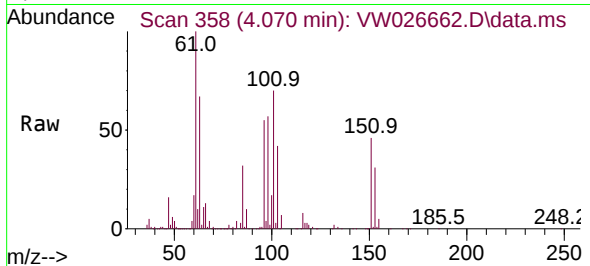




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.122 ug/L
 RT: 4.070 min Scan# 310
 Delta R.T. -0.006 min
 Lab File: VW026662.D
 Acq: 26 Jul 2023 15:53

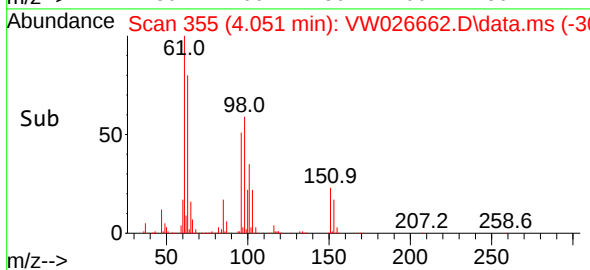
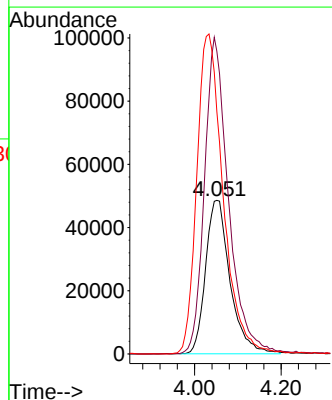
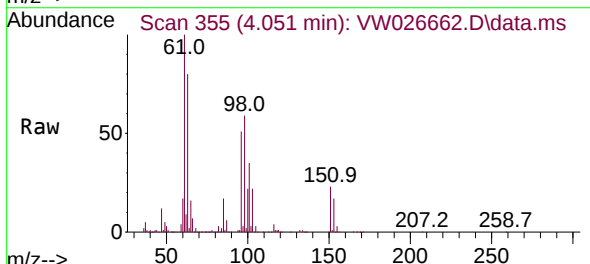
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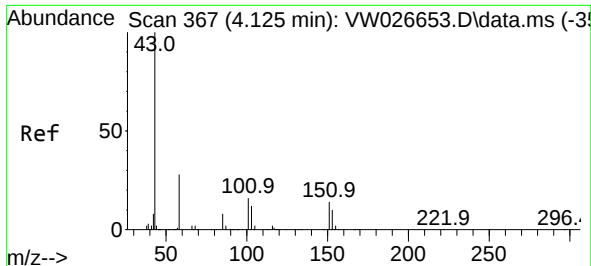
Tgt Ion:101 Resp: 208488
 Ion Ratio Lower Upper
 101 100
 85 43.9 36.1 54.1
 151 67.9 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 22.985 ug/L
 RT: 4.051 min Scan# 355
 Delta R.T. 0.006 min
 Lab File: VW026662.D
 Acq: 26 Jul 2023 15:53

Tgt Ion: 96 Resp: 190604
 Ion Ratio Lower Upper
 96 100
 61 197.1 140.8 261.4
 63 158.0 127.7 237.3

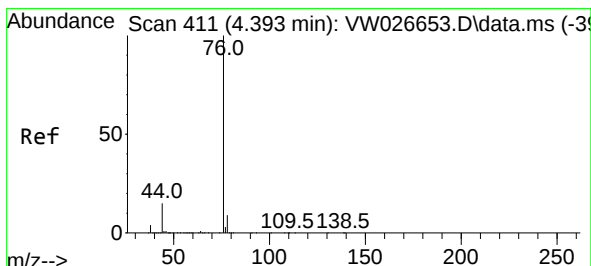
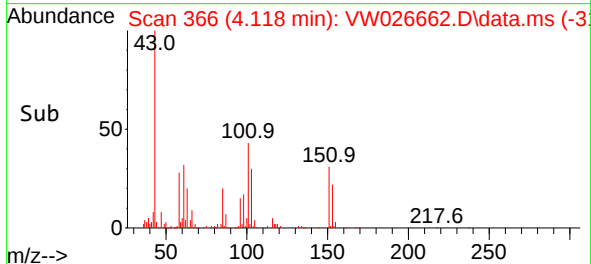
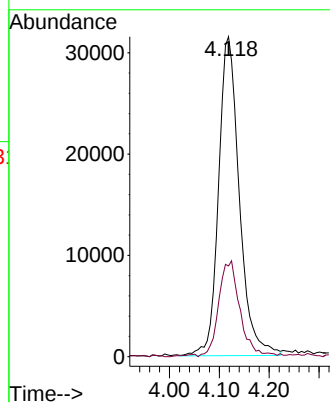
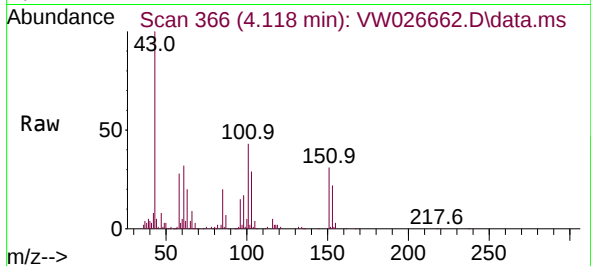




#13
Acetone
Concen: 37.553 ug/L
RT: 4.118 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW026662.D
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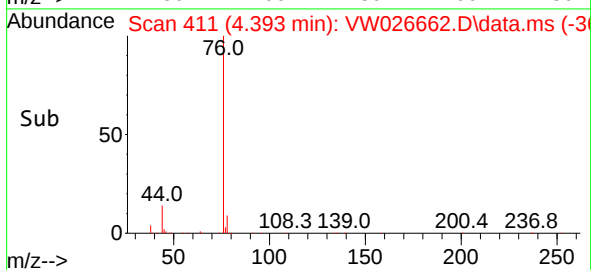
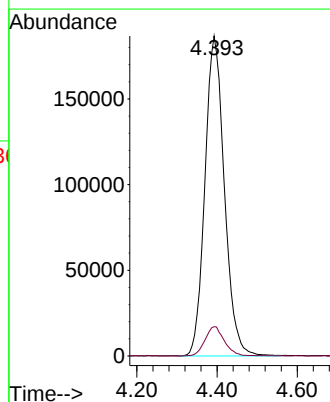
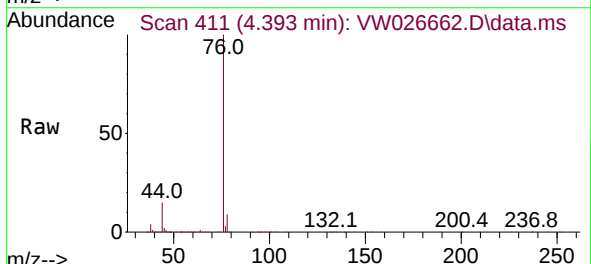
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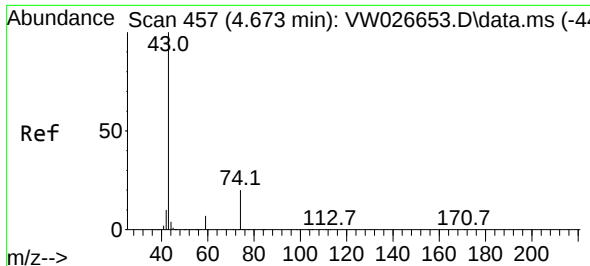
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Ion Ratio Lower Upper
43 100
58 30.1 0.0 63.2



#14
Carbon disulfide
Concen: 21.663 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 76 Resp: 629724
Ion Ratio Lower Upper
76 100
78 9.1 6.9 10.3

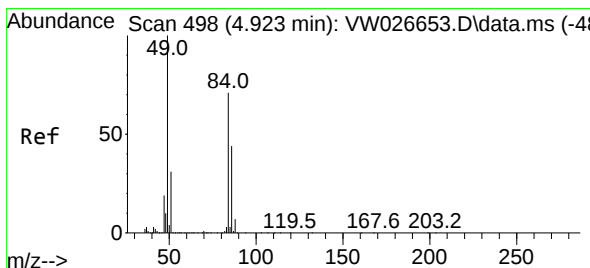
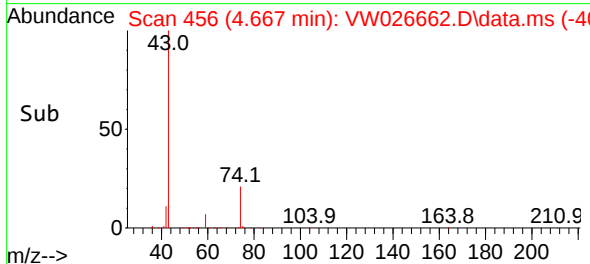
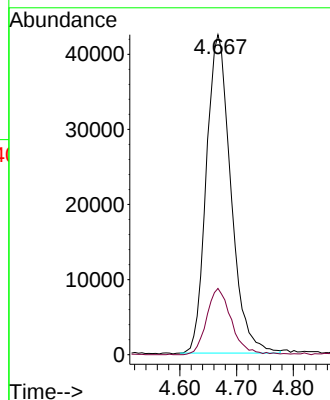
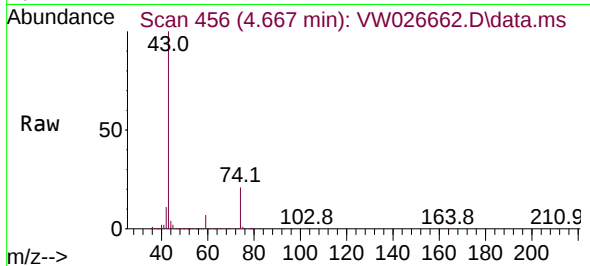




#15
Methyl Acetate
Concen: 21.859 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

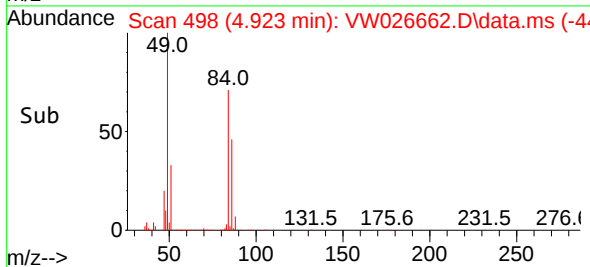
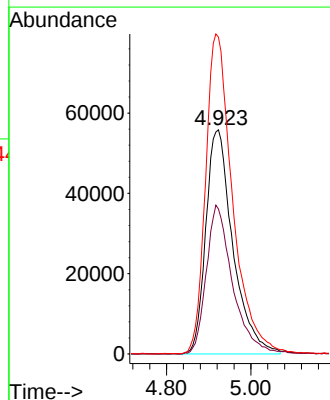
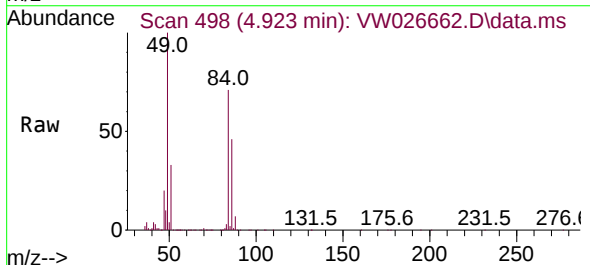
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

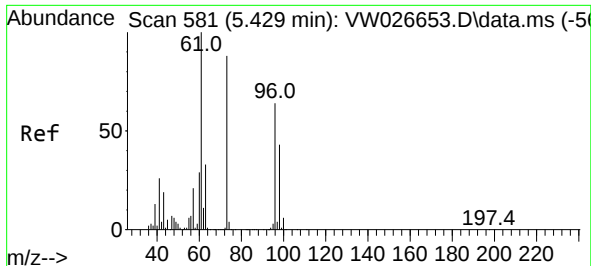
Tgt Ion: 43 Resp: 127480
Ion Ratio Lower Upper
43 100
74 20.8 16.3 24.5



#16
Methylene chloride
Concen: 22.771 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 84 Resp: 249010
Ion Ratio Lower Upper
84 100
86 64.6 43.8 81.3
49 141.3 99.2 184.2





#17

trans-1,2-Dichloroethene

Concen: 24.762 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

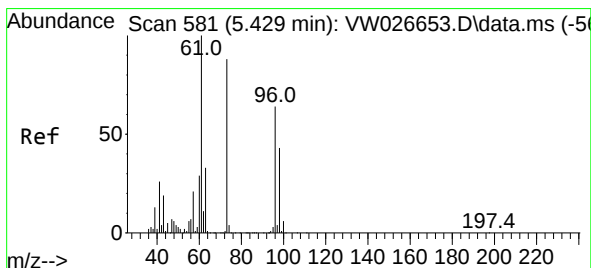
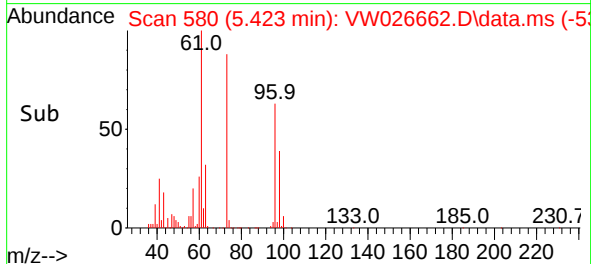
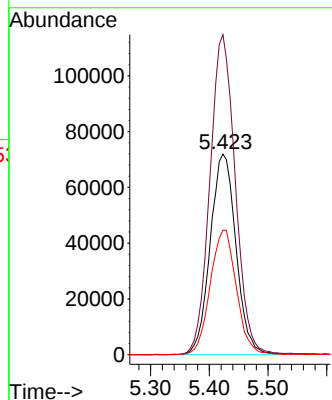
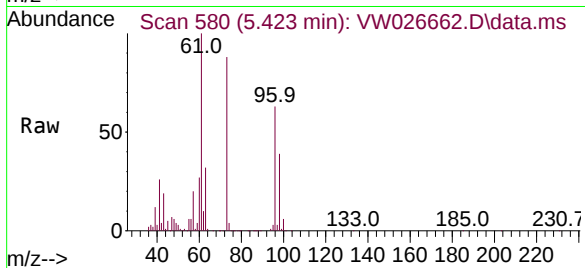
Tgt Ion: 96 Resp: 219550

Ion Ratio Lower Upper

96 100

61 159.5 108.1 200.9

98 62.0 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 25.114 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

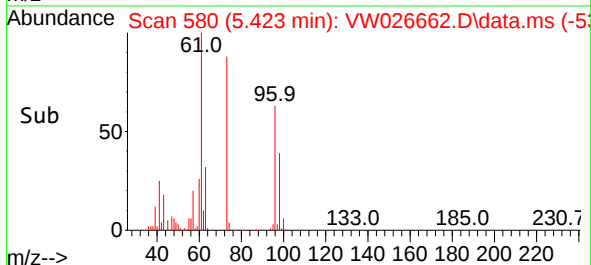
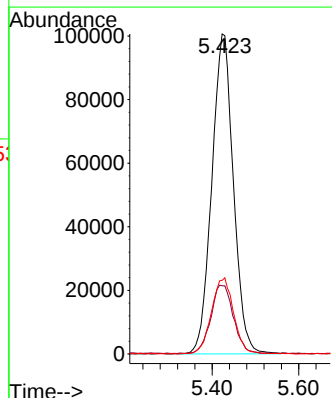
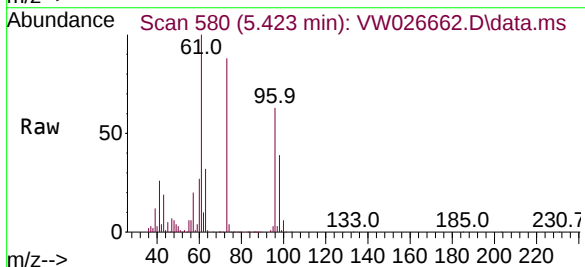
Tgt Ion: 73 Resp: 348500

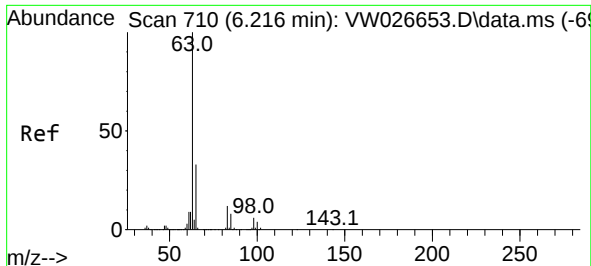
Ion Ratio Lower Upper

73 100

43 22.5 17.4 26.2

57 24.4 19.3 28.9





#19

1,1-Dichloroethane

Concen: 26.591 ug/L

RT: 6.216 min Scan# 710

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

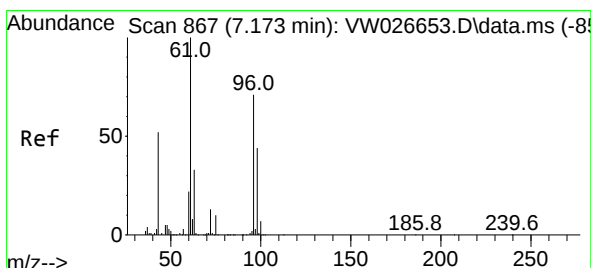
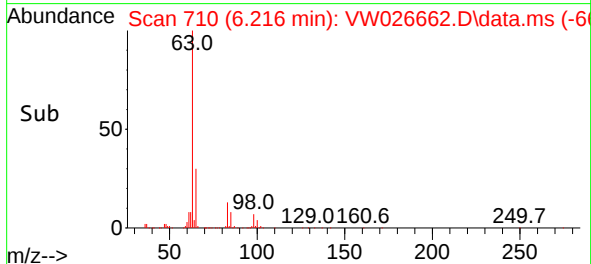
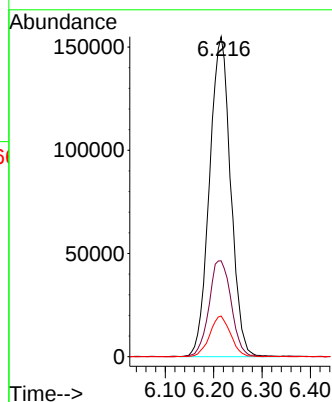
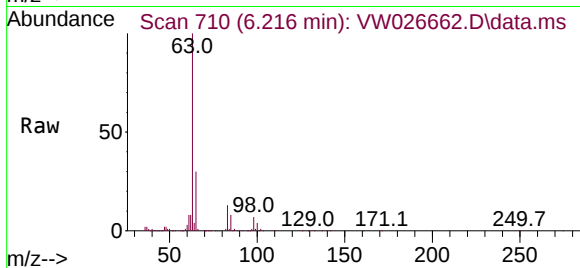
Tgt Ion: 63 Resp: 471371

Ion Ratio Lower Upper

63 100

65 30.0 22.3 41.5

83 12.7 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 27.244 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

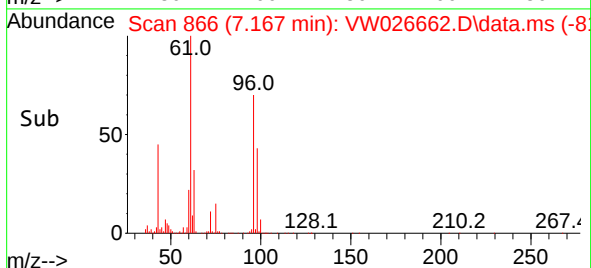
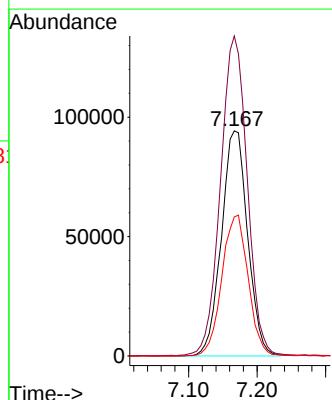
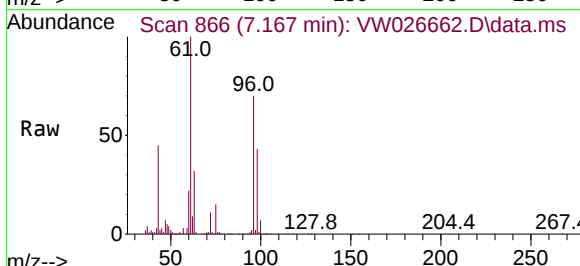
Tgt Ion: 96 Resp: 250135

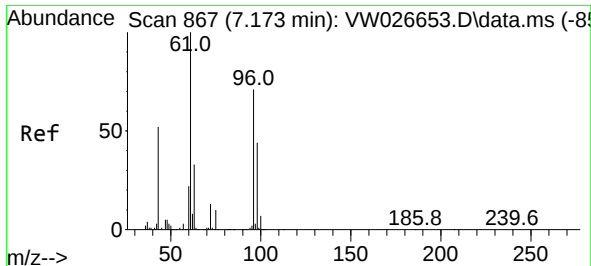
Ion Ratio Lower Upper

96 100

61 142.2 98.8 183.6

98 61.7 42.4 78.6

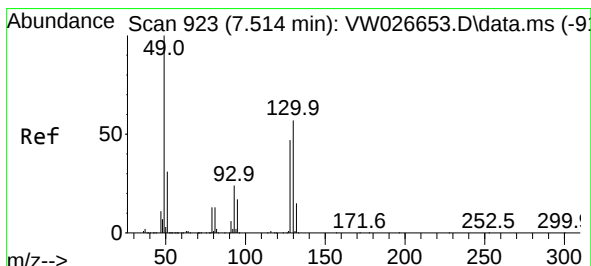
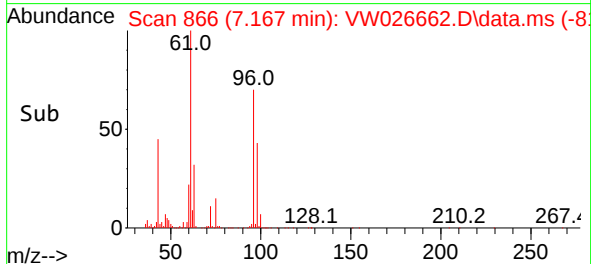
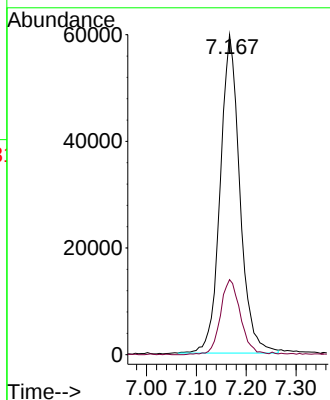
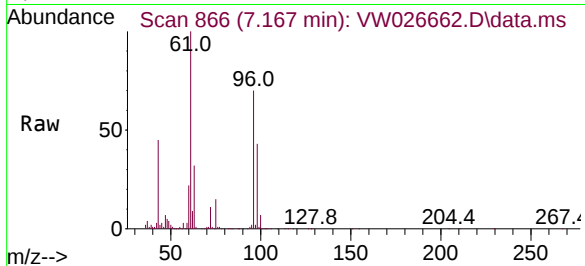




#22
2-Butanone
Concen: 44.201 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

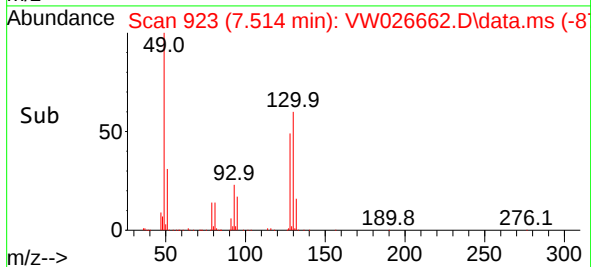
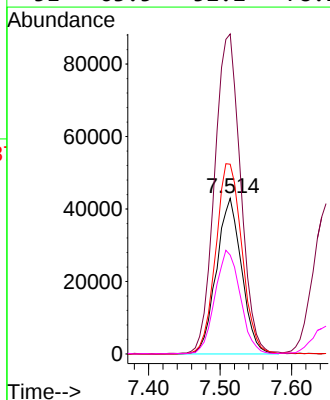
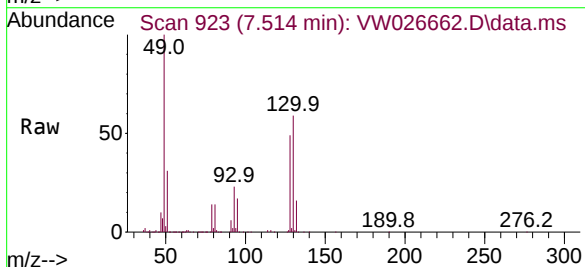
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

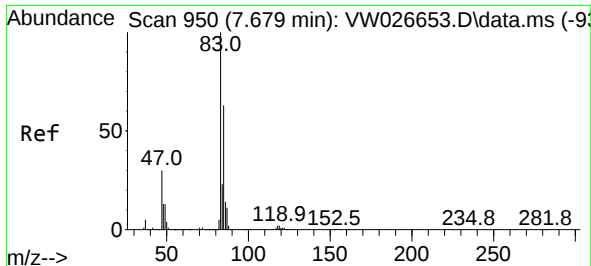
Tgt Ion: 43 Resp: 163384
Ion Ratio Lower Upper
43 100
72 23.5 11.9 35.5



#23
Bromochloromethane
Concen: 26.659 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 128 Resp: 104845
Ion Ratio Lower Upper
128 100
49 205.6 142.1 263.9
130 122.0 92.9 172.5
51 63.5 52.2 78.2

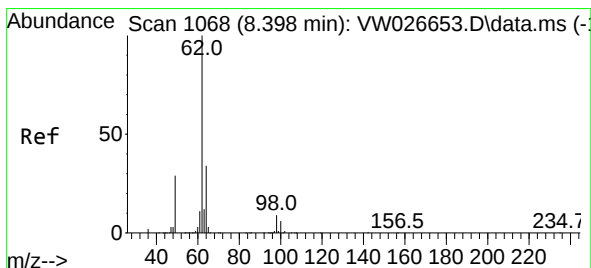
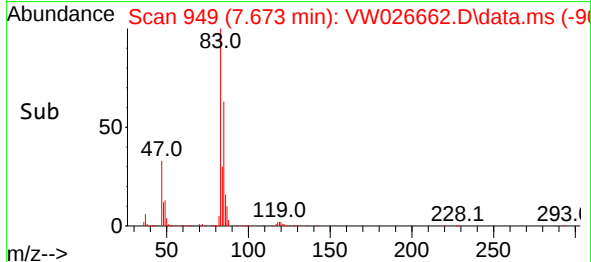
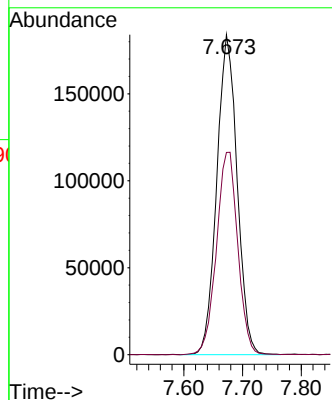
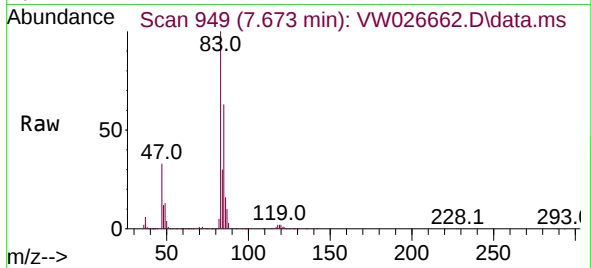




#25
Chloroform
Concen: 27.226 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

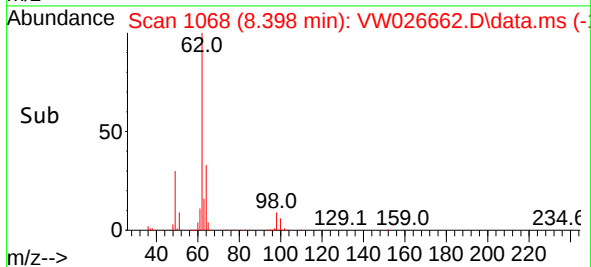
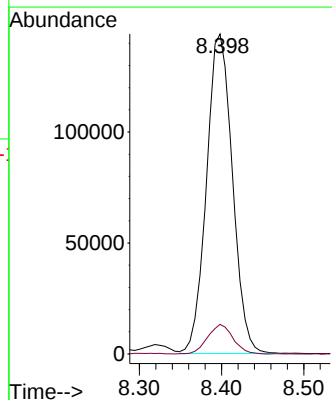
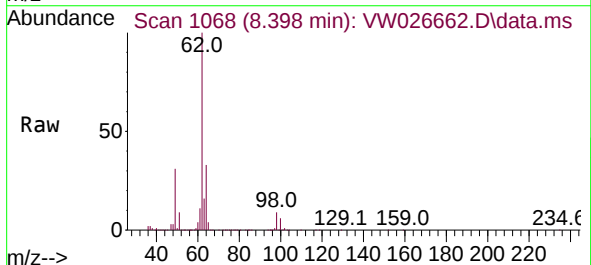
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

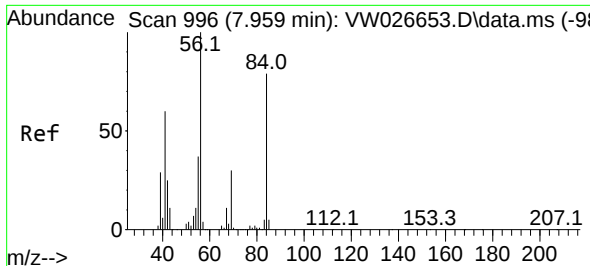
Tgt Ion: 83 Resp: 442197
Ion Ratio Lower Upper
83 100
85 63.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.592 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 62 Resp: 315480
Ion Ratio Lower Upper
62 100
98 9.3 6.7 10.1





#29

Cyclohexane

Concen: 21.339 ug/L

RT: 7.953 min Scan# 995

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

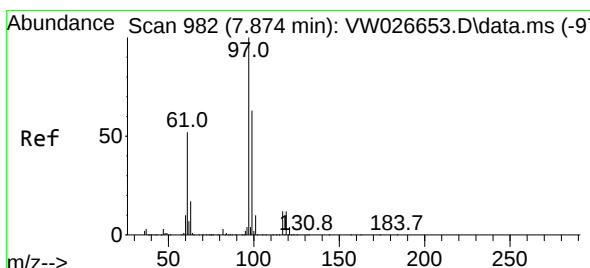
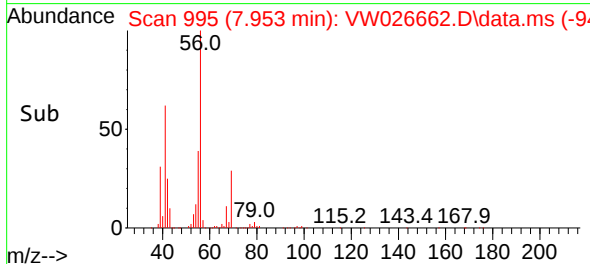
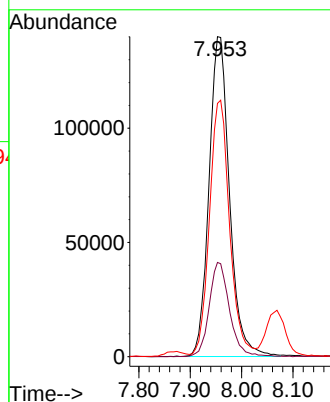
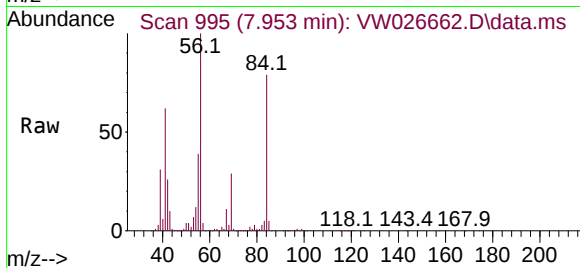
Tgt Ion: 56 Resp: 387721

Ion Ratio Lower Upper

56 100

69 28.8 23.4 35.0

84 78.8 62.6 94.0



#30

1,1,1-Trichloroethane

Concen: 23.290 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

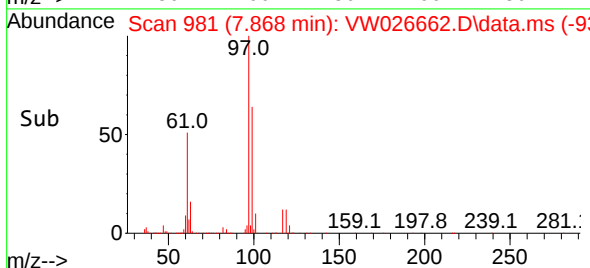
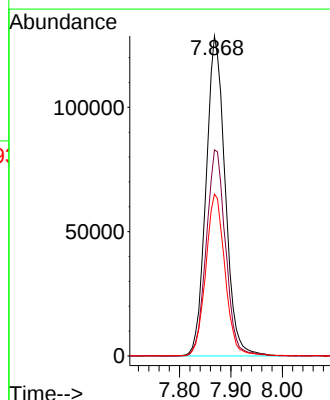
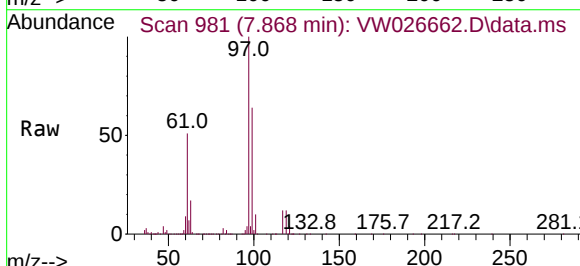
Tgt Ion: 97 Resp: 333120

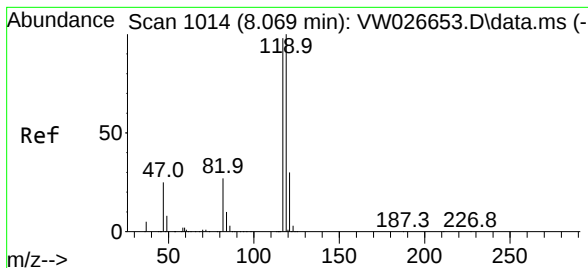
Ion Ratio Lower Upper

97 100

99 64.8 49.9 74.9

61 50.6 39.8 59.8

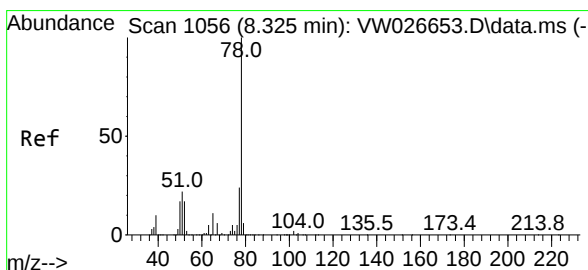
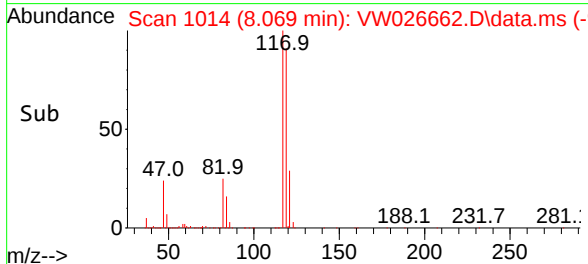
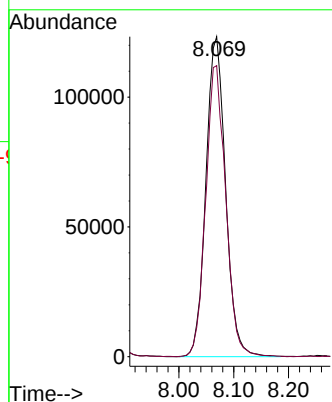
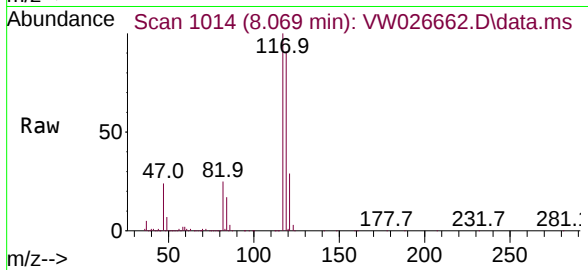




#31
Carbon tetrachloride
Concen: 23.589 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

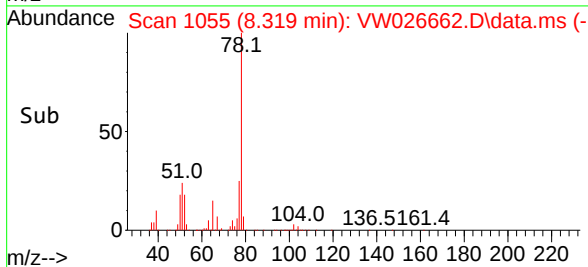
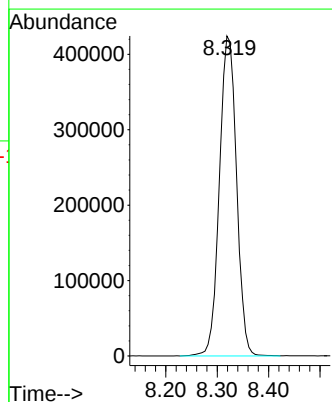
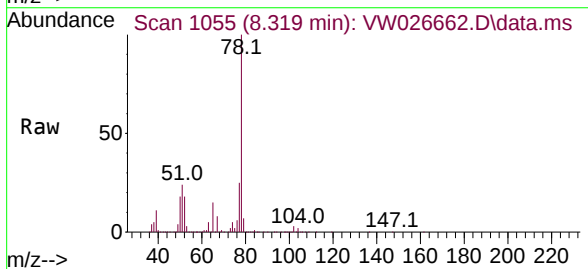
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

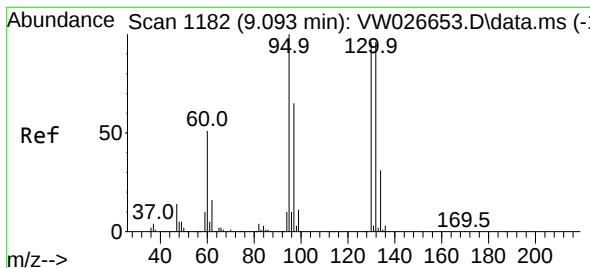
Tgt Ion:117 Resp: 306279
Ion Ratio Lower Upper
117 100
119 92.8 77.1 115.7



#33
Benzene
Concen: 24.398 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 78 Resp: 981022





#34

Trichloroethene

Concen: 23.211 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

Tgt Ion: 95 Resp: 239737

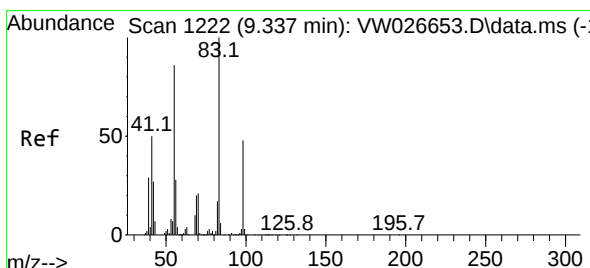
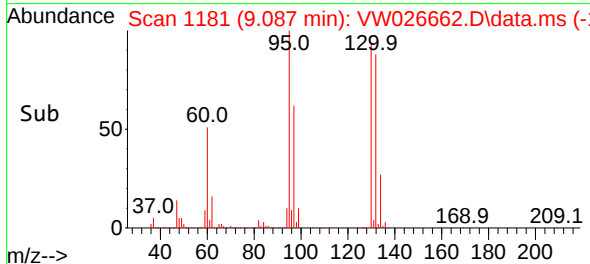
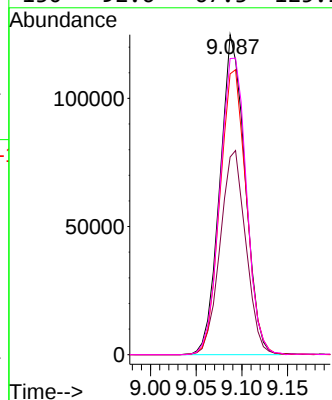
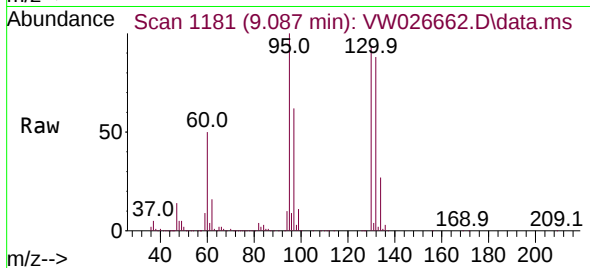
Ion Ratio Lower Upper

95 100

97 61.8 47.9 88.9

132 87.8 65.0 120.8

130 92.6 67.3 125.1



#35

Methylcyclohexane

Concen: 21.982 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

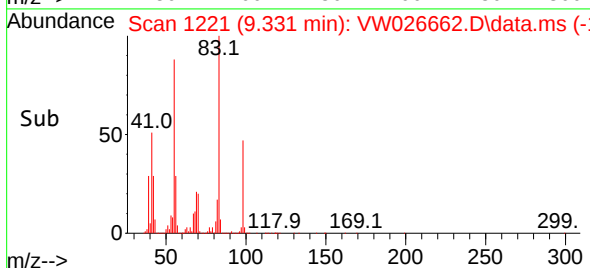
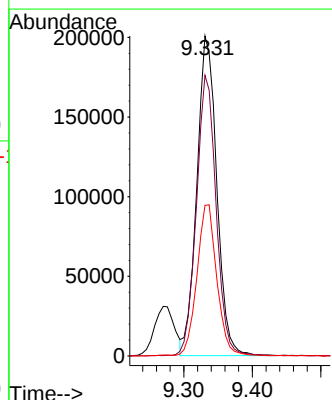
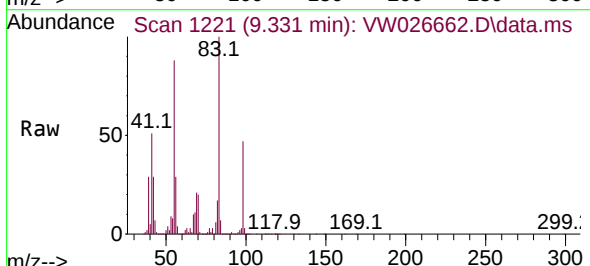
Tgt Ion: 83 Resp: 407677

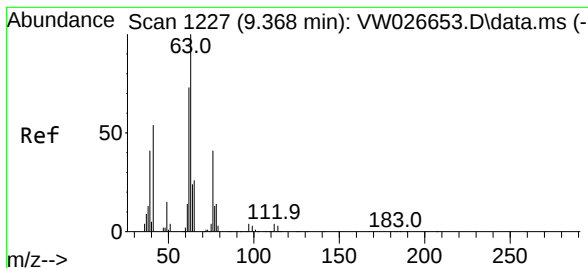
Ion Ratio Lower Upper

83 100

55 87.0 68.7 103.1

98 47.2 37.3 55.9





#37

1,2-Dichloropropane

Concen: 25.624 ug/L

RT: 9.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

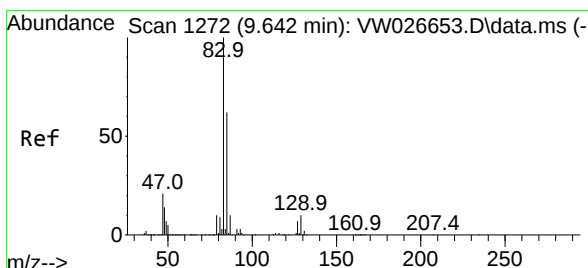
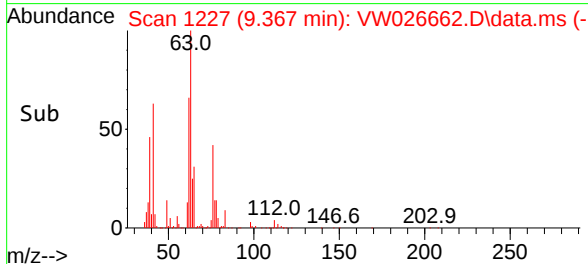
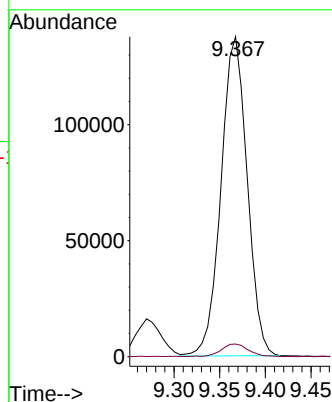
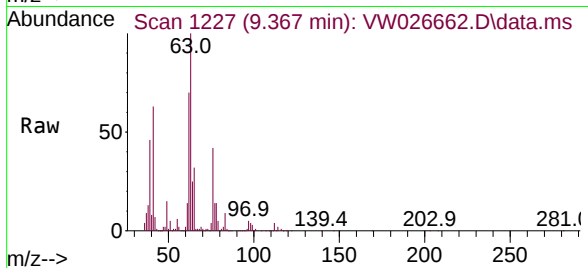
VSTD025570

Tgt Ion: 63 Resp: 273620

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 26.397 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

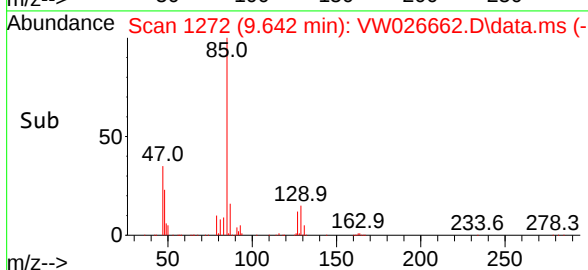
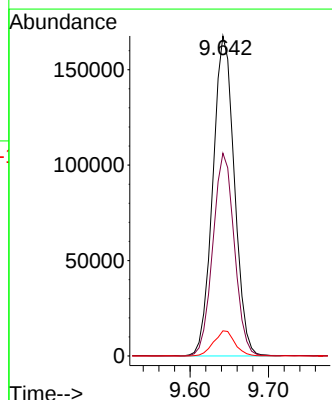
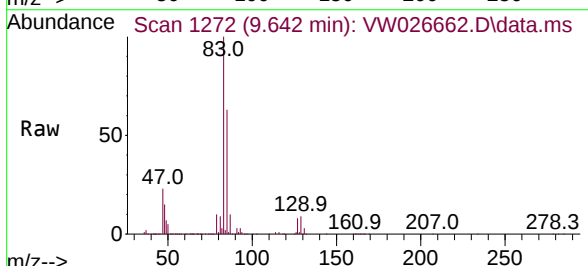
Tgt Ion: 83 Resp: 320240

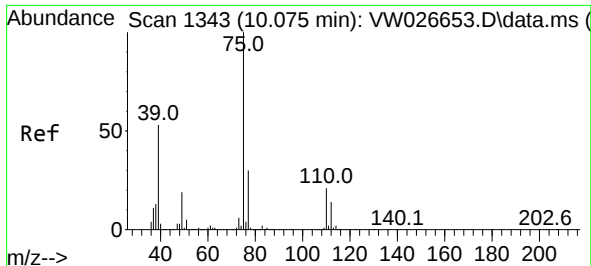
Ion Ratio Lower Upper

83 100

85 63.3 43.3 80.3

127 7.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 25.421 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. -0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

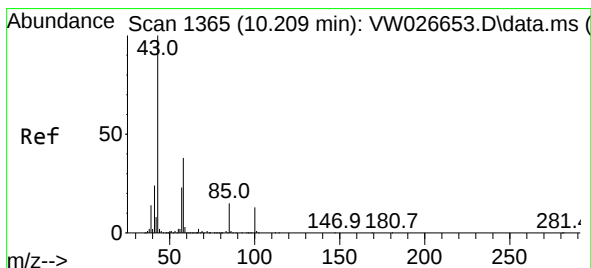
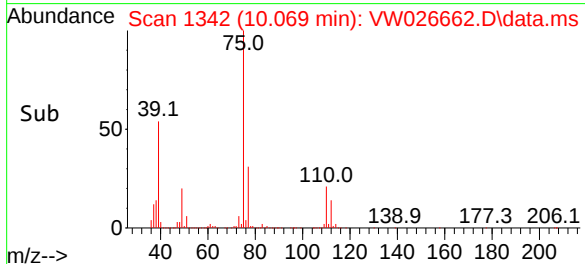
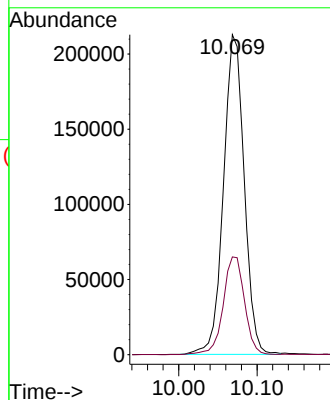
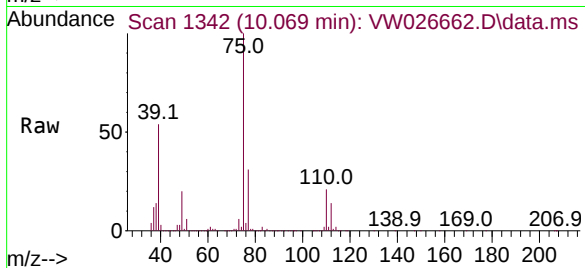
VSTD025570

Tgt Ion: 75 Resp: 390803

Ion Ratio Lower Upper

75 100

77 30.6 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 44.395 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

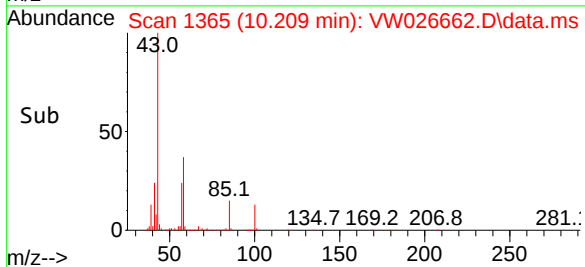
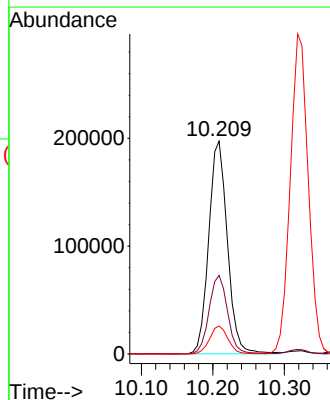
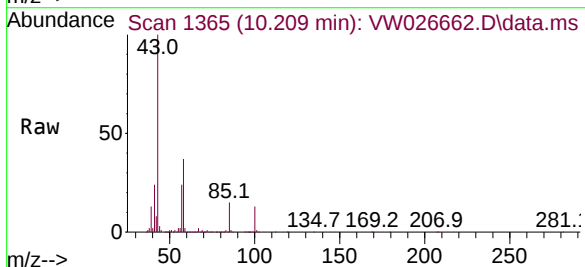
Tgt Ion: 43 Resp: 357807

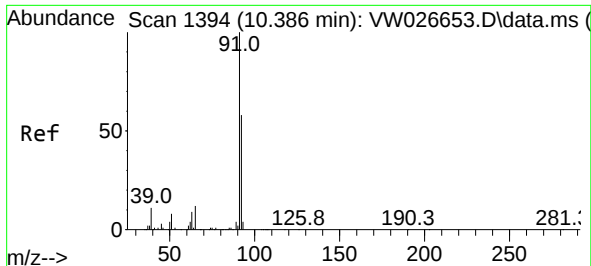
Ion Ratio Lower Upper

43 100

58 36.5 29.8 44.8

100 12.9 10.7 16.1

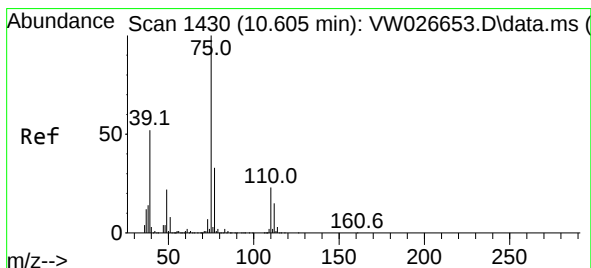
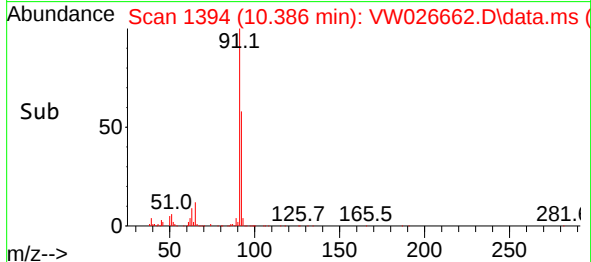
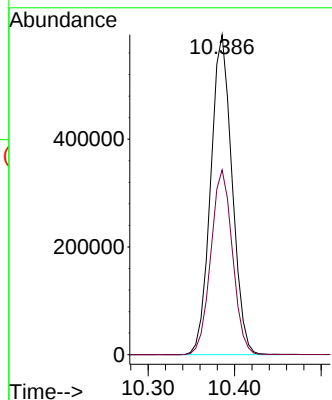
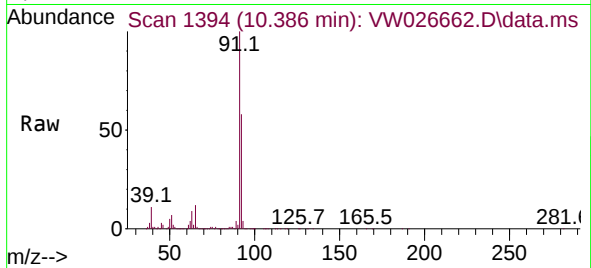




#42
Toluene
Concen: 25.082 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

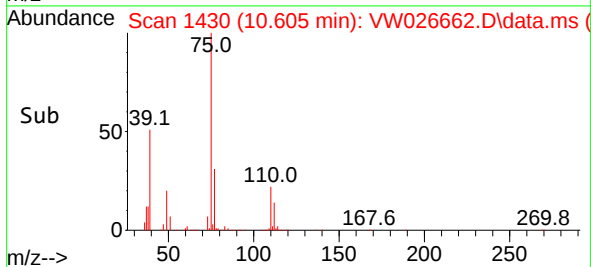
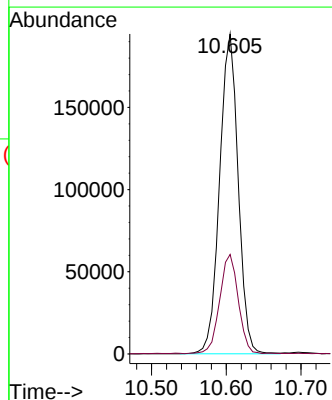
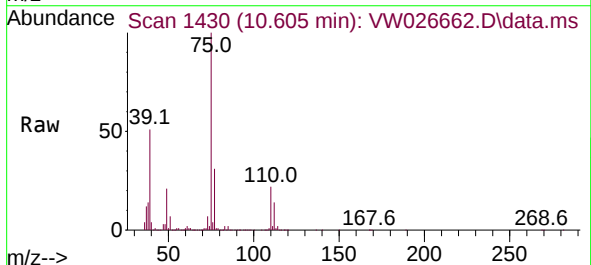
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

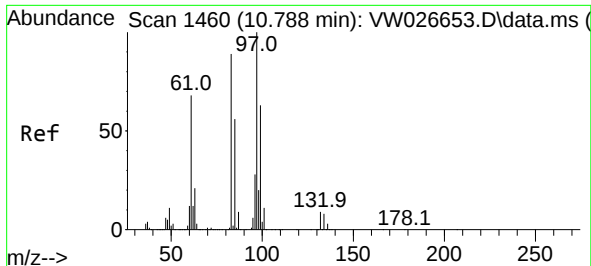
Tgt Ion: 91 Resp: 1018491
Ion Ratio Lower Upper
91 100
92 57.8 39.5 73.3



#44
trans-1,3-Dichloropropene
Concen: 25.855 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 75 Resp: 335224
Ion Ratio Lower Upper
75 100
77 31.1 23.0 42.6

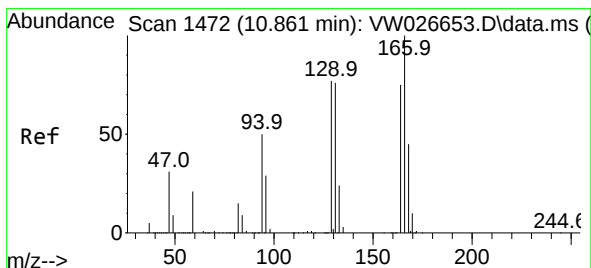
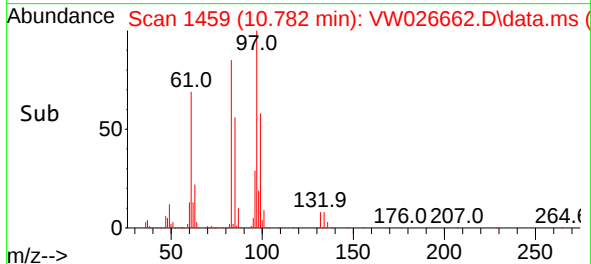
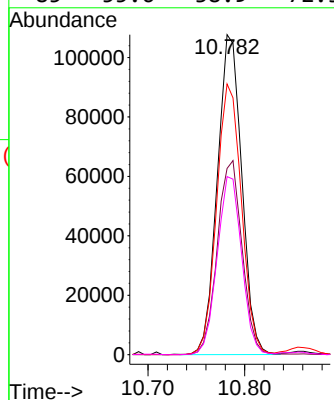
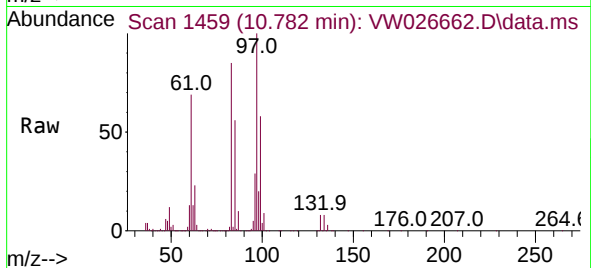




#45
1,1,2-Trichloroethane
Concen: 25.370 ug/L
RT: 10.782 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

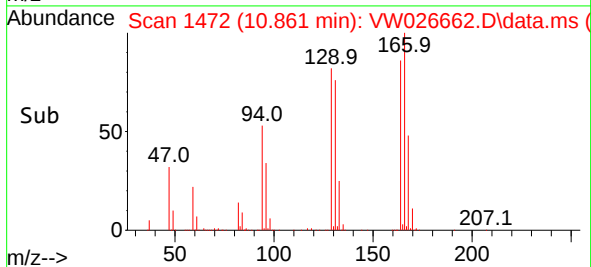
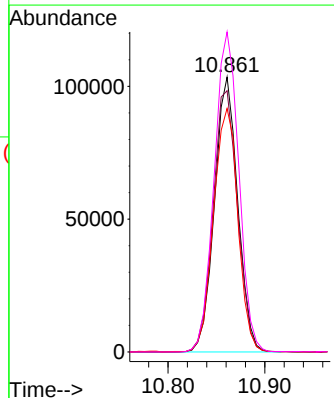
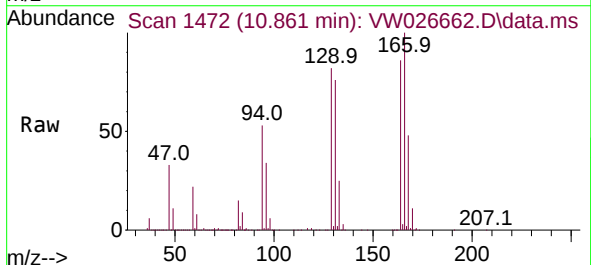
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

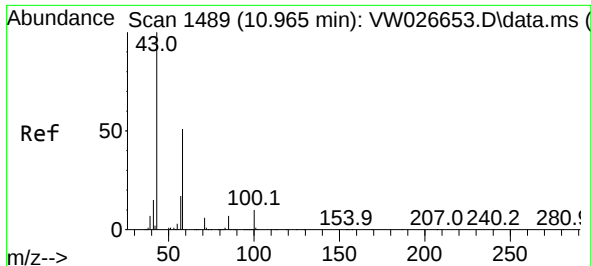
Tgt Ion:	97	Resp:	189072
Ion	Ratio	Lower	Upper
97	100		
99	58.2	40.5	75.3
83	84.6	61.0	113.2
85	55.6	38.9	72.3



#46
Tetrachloroethene
Concen: 23.582 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion:	164	Resp:	172914
Ion	Ratio	Lower	Upper
164	100		
129	95.1	75.5	140.1
131	88.6	74.8	138.8
166	116.4	95.1	176.5



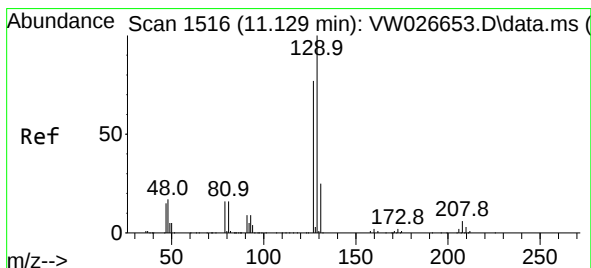
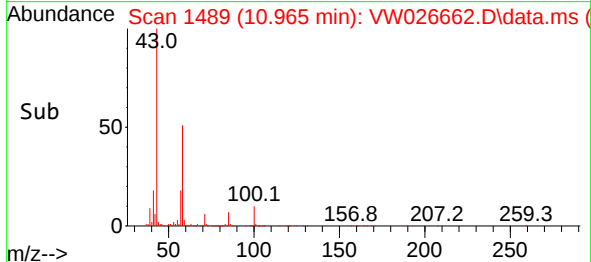
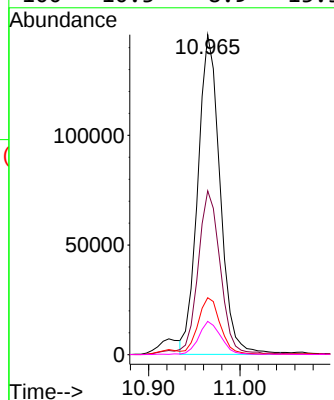
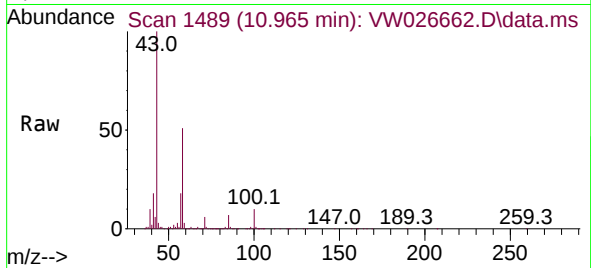


#48
2-Hexanone
Concen: 43.850 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

Tgt Ion: 43 Resp: 246640

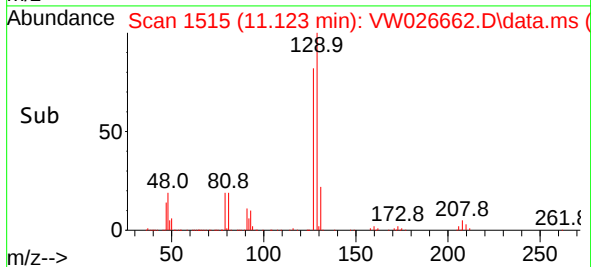
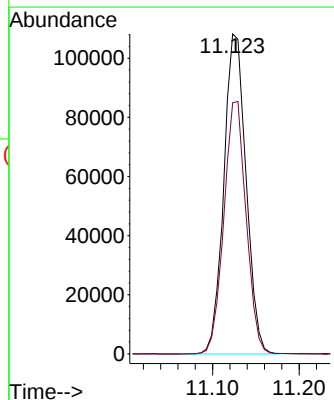
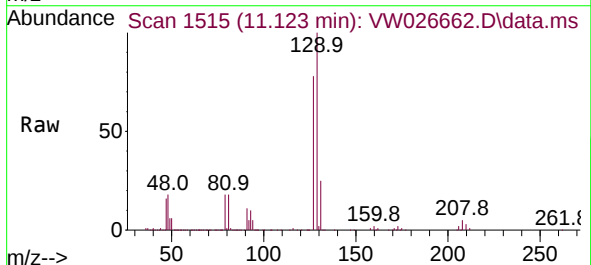
Ion	Ratio	Lower	Upper
43	100		
58	50.2	42.1	63.1
57	18.0	14.8	22.2
100	10.3	8.9	13.3

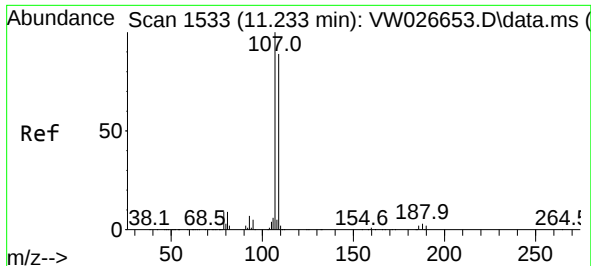


#49
Dibromochloromethane
Concen: 26.190 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 129 Resp: 193267

Ion	Ratio	Lower	Upper
129	100		
127	78.5	51.2	95.2





#50

1,2-Dibromoethane

Concen: 23.891 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

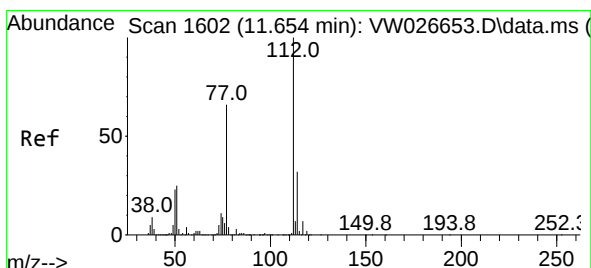
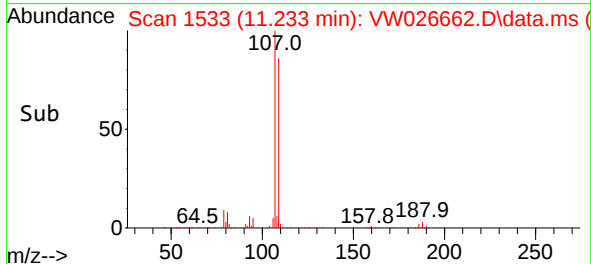
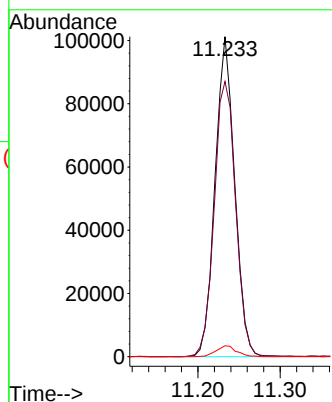
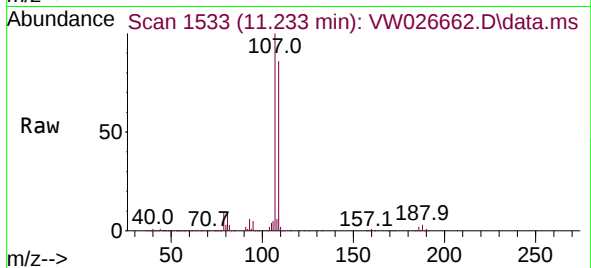
Tgt Ion:107 Resp: 167836

Ion Ratio Lower Upper

107 100

109 86.0 62.9 116.7

188 3.4 2.8 4.2



#51

Chlorobenzene

Concen: 25.172 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

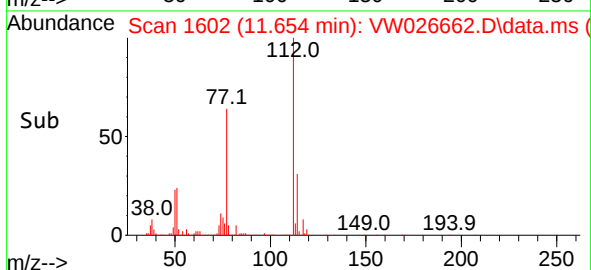
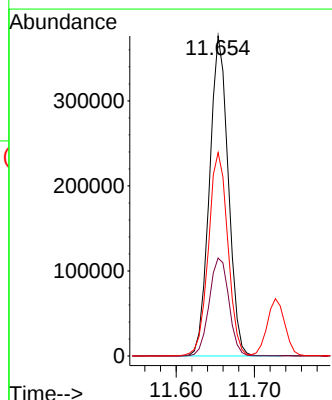
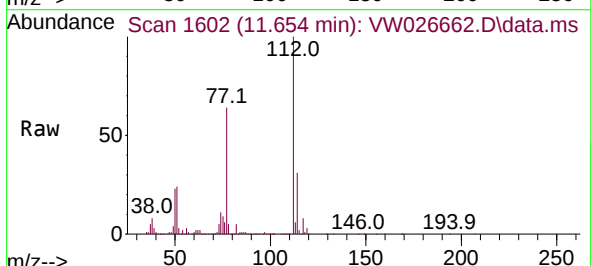
Tgt Ion:112 Resp: 626714

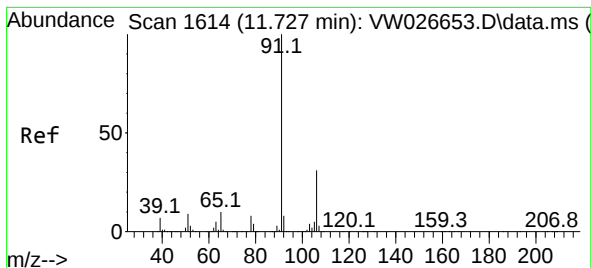
Ion Ratio Lower Upper

112 100

114 30.6 21.6 40.2

77 63.6 50.3 75.5

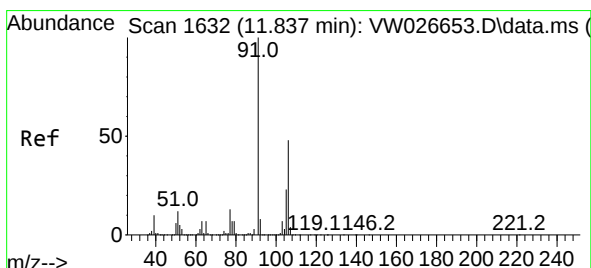
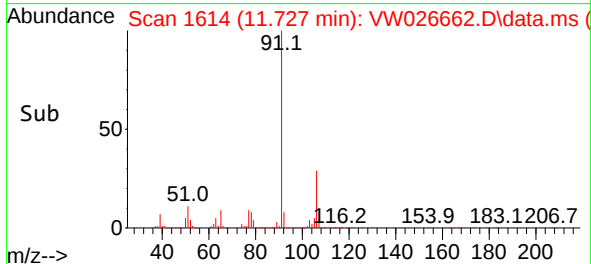
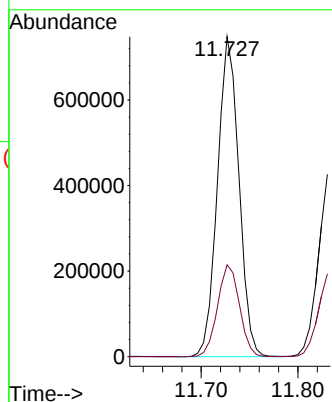
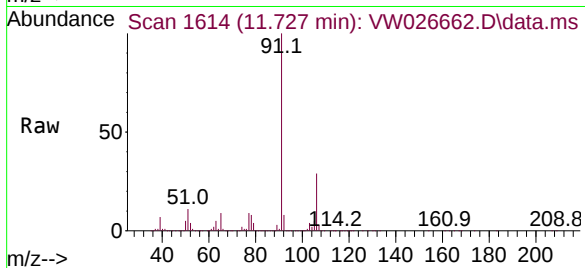




#52
Ethylbenzene
Concen: 25.442 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

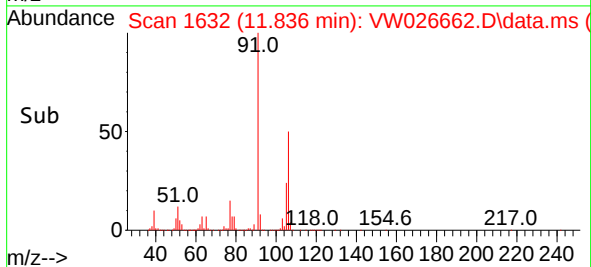
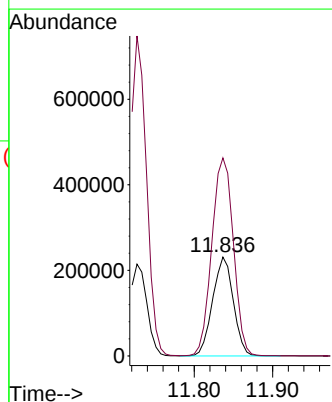
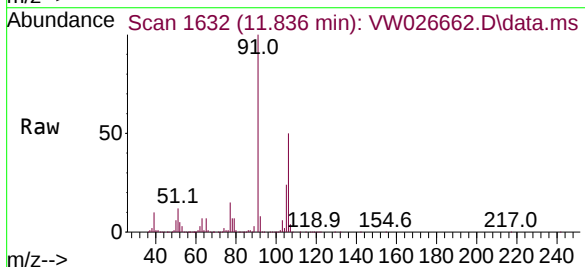
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

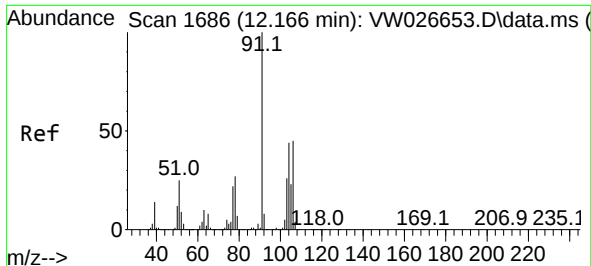
Tgt Ion: 91 Resp: 1150177
Ion Ratio Lower Upper
91 100
106 28.7 20.8 38.6



#53
m,p-Xylene
Concen: 25.740 ug/L
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 106 Resp: 423336
Ion Ratio Lower Upper
106 100
91 200.3 150.3 279.1

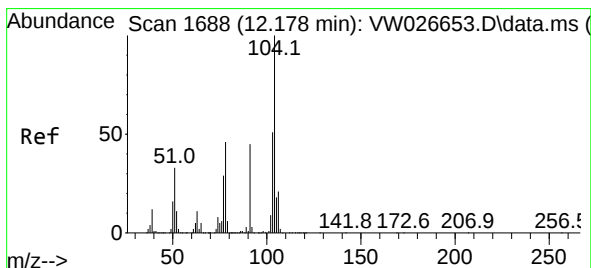
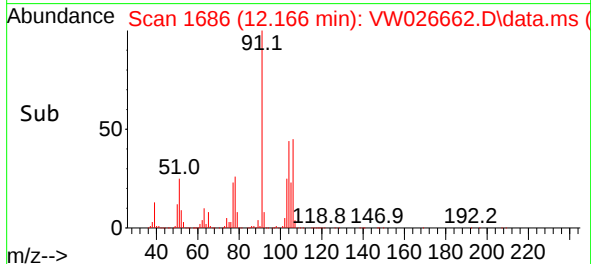
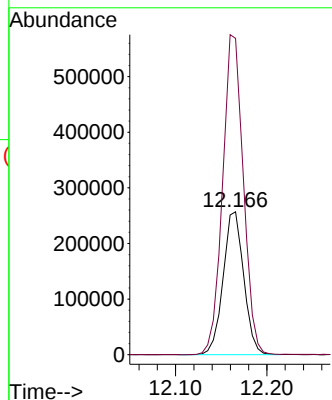
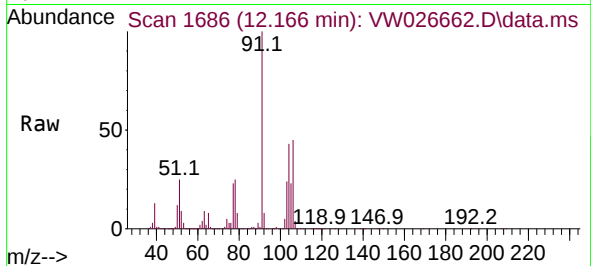




#54
o-Xylene
Concen: 26.132 ug/L
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

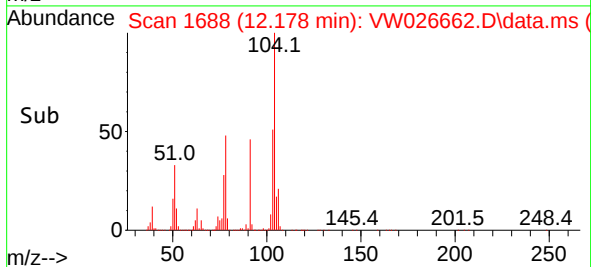
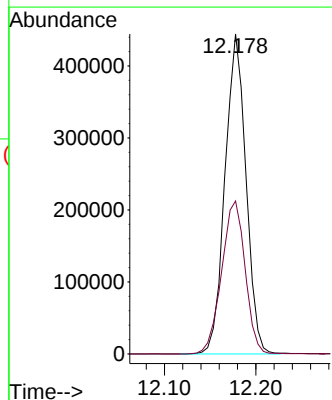
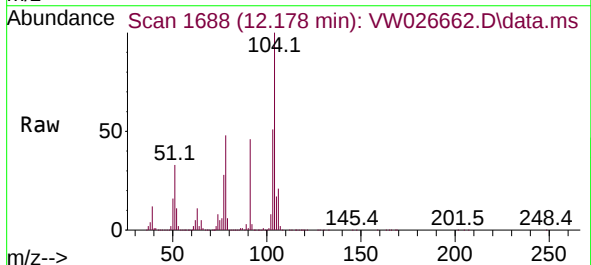
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

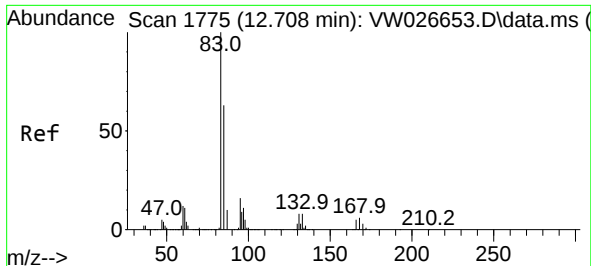
Tgt Ion:106 Resp: 403414
Ion Ratio Lower Upper
106 100
91 221.4 154.3 286.5



#55
Styrene
Concen: 27.192 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion:104 Resp: 708044
Ion Ratio Lower Upper
104 100
78 47.8 34.6 64.2





#57

1,1,2,2-Tetrachloroethane

Concen: 23.887 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

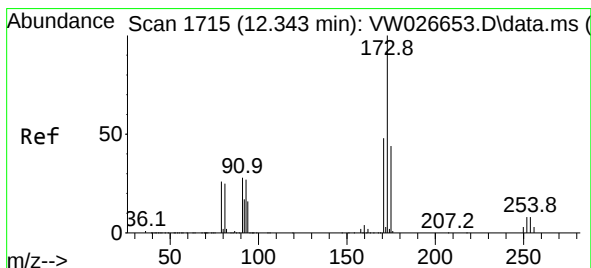
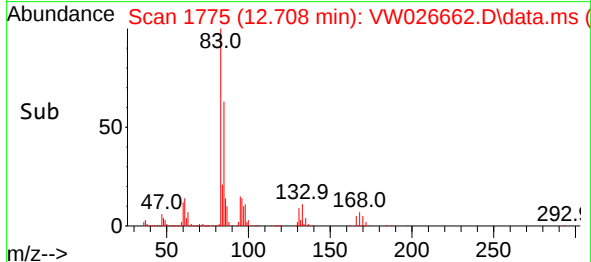
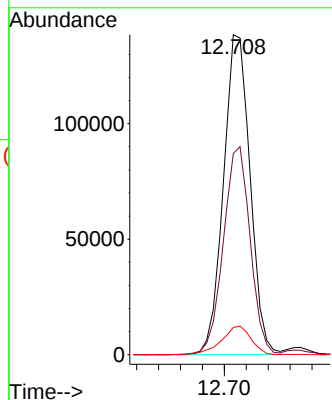
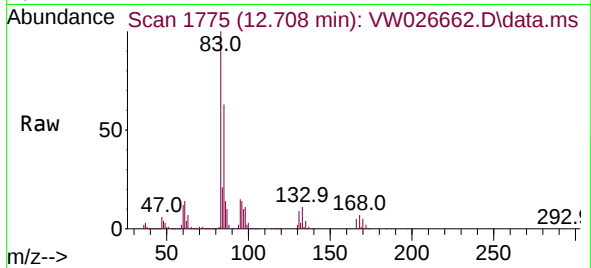
Tgt Ion: 83 Resp: 233626

Ion Ratio Lower Upper

83 100

85 62.9 46.2 85.8

131 8.5 7.2 10.8



#59

Bromoform

Concen: 24.480 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

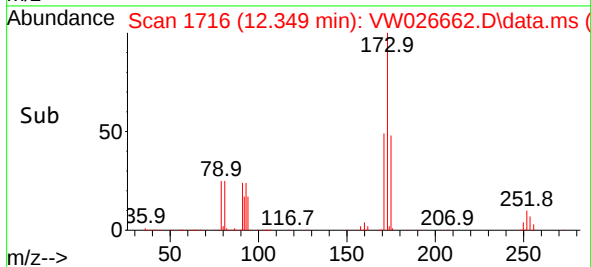
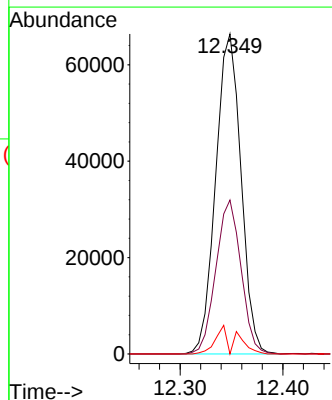
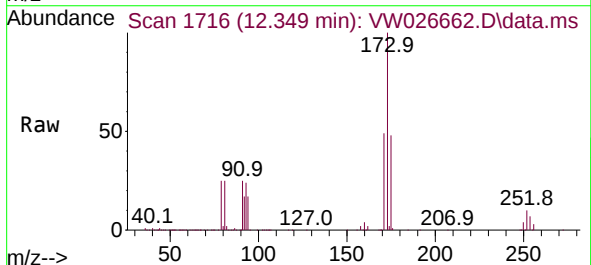
Tgt Ion:173 Resp: 113445

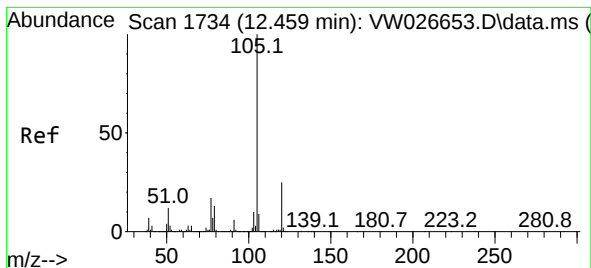
Ion Ratio Lower Upper

173 100

175 47.7 36.6 54.8

254 3.9 7.8 11.6#





#60

Isopropylbenzene

Concen: 23.683 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

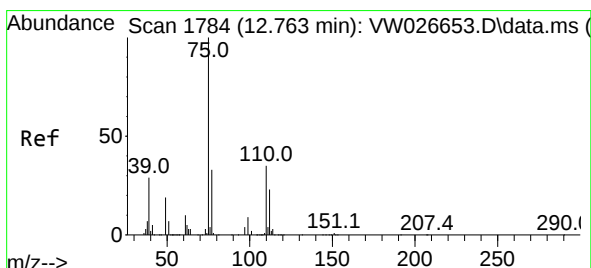
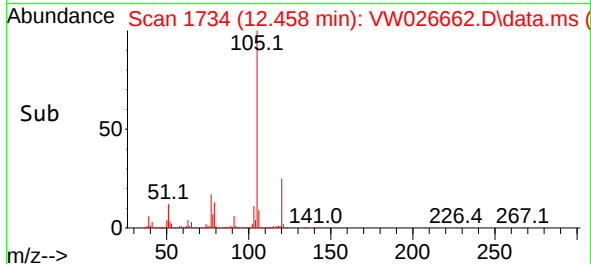
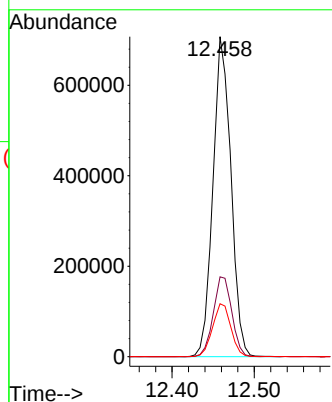
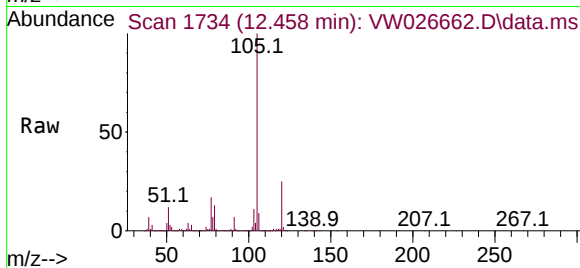
Tgt Ion:105 Resp: 1073629

Ion Ratio Lower Upper

105 100

120 25.8 20.5 30.7

77 16.9 13.4 20.2



#61

1,2,3-Trichloropropane

Concen: 21.750 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

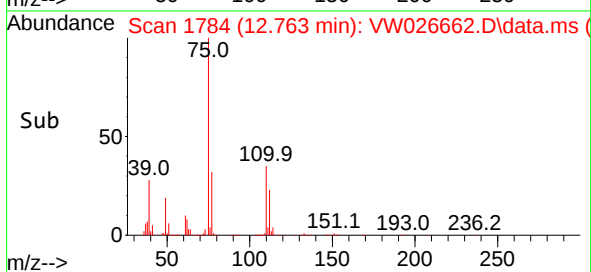
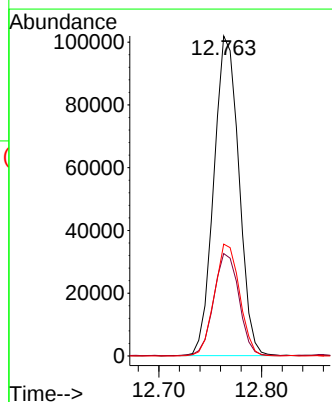
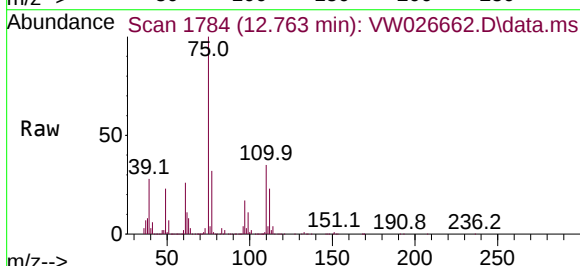
Tgt Ion: 75 Resp: 172127

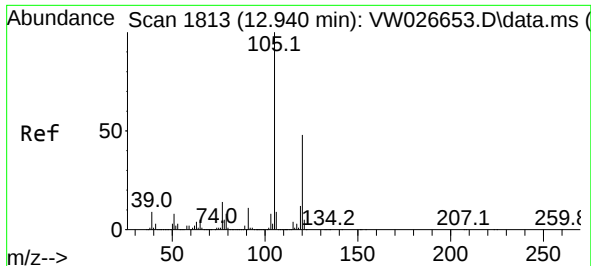
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

110 35.2 28.3 42.5





#62

1,3,5-Trimethylbenzene

Concen: 25.700 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

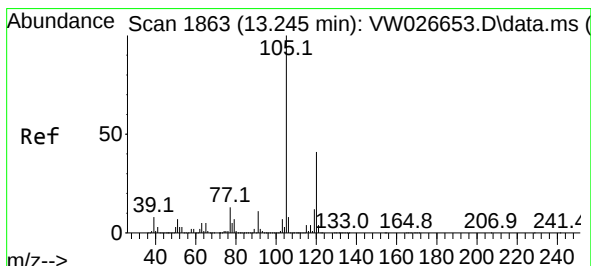
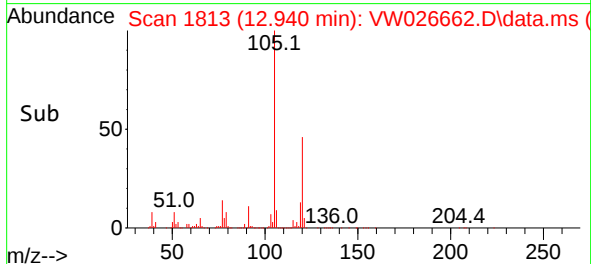
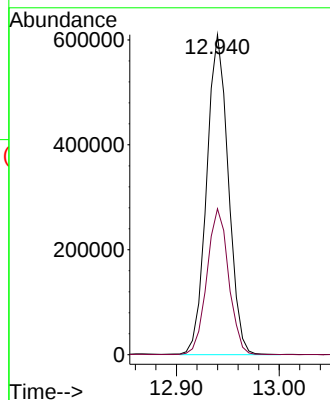
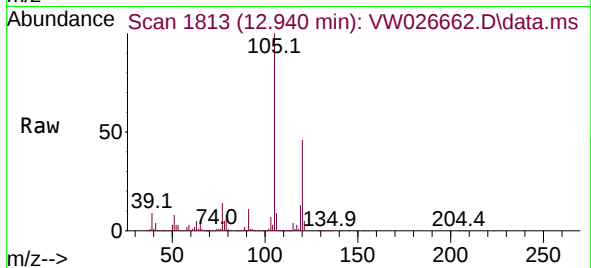
VSTD025570

Tgt Ion:105 Resp: 893623

Ion Ratio Lower Upper

105 100

120 45.7 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 25.583 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW026662.D

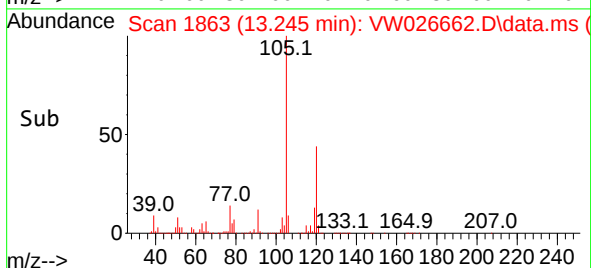
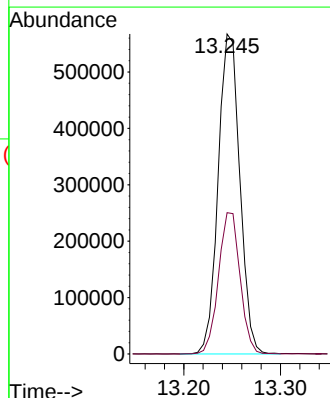
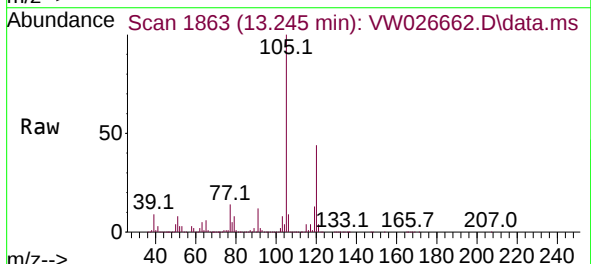
Acq: 26 Jul 2023 15:53

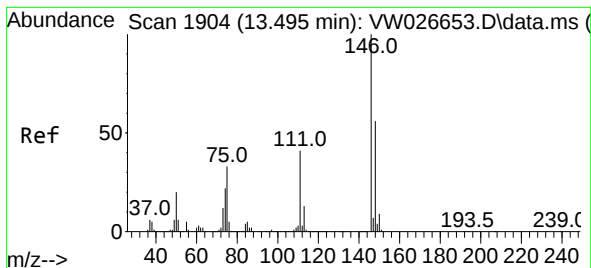
Tgt Ion:105 Resp: 881938

Ion Ratio Lower Upper

105 100

120 44.0 35.2 52.8





#64

1,3-Dichlorobenzene

Concen: 23.931 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

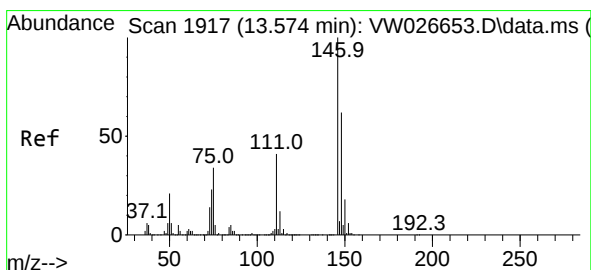
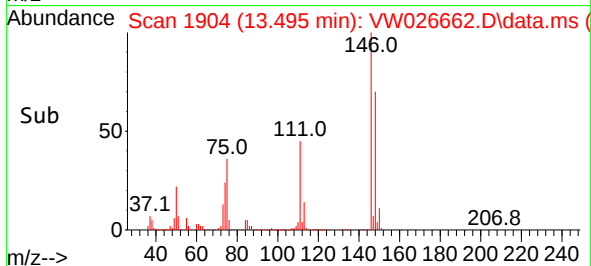
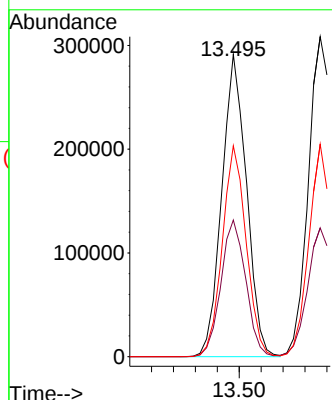
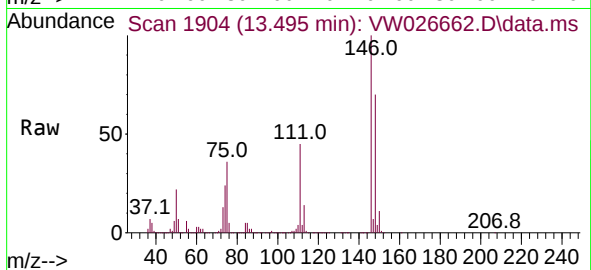
Tgt Ion:146 Resp: 455230

Ion Ratio Lower Upper

146 100

111 45.2 30.4 56.4

148 69.7 44.4 82.4



#65

1,4-Dichlorobenzene

Concen: 25.808 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

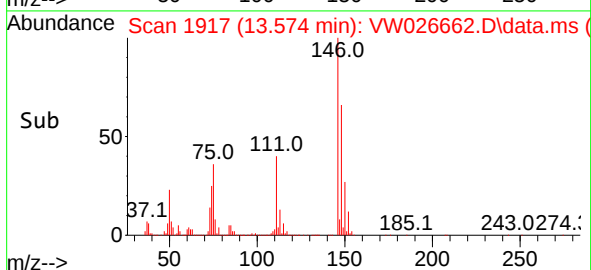
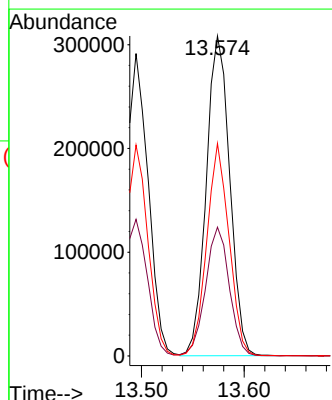
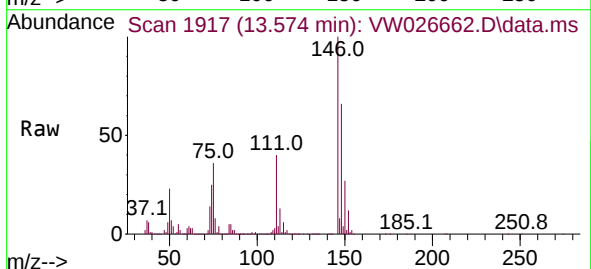
Tgt Ion:146 Resp: 489618

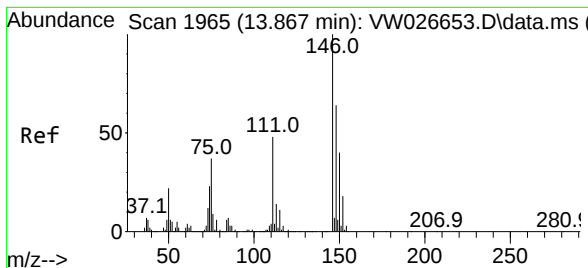
Ion Ratio Lower Upper

146 100

111 40.3 29.7 55.1

148 66.4 45.4 84.4

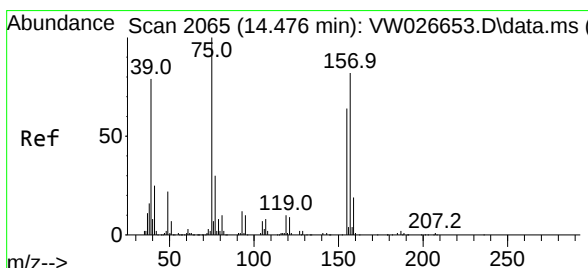
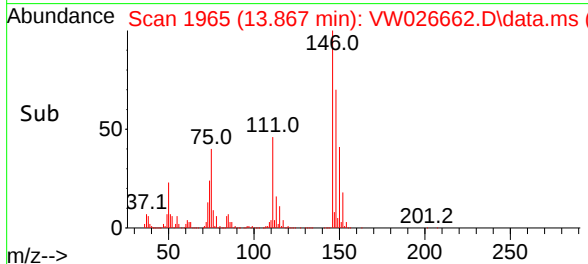
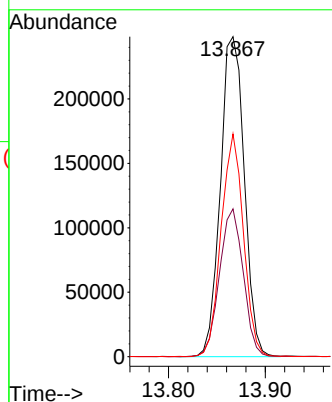
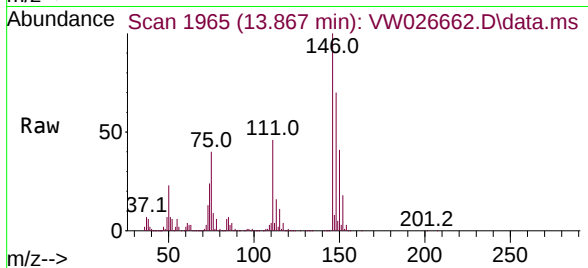




#67
1,2-Dichlorobenzene
Concen: 25.285 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

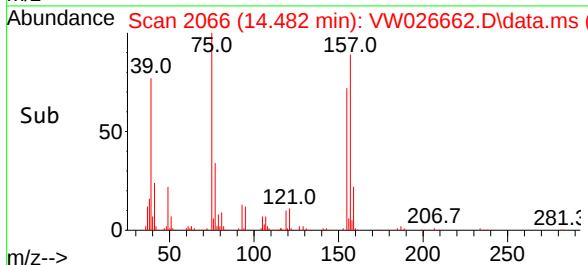
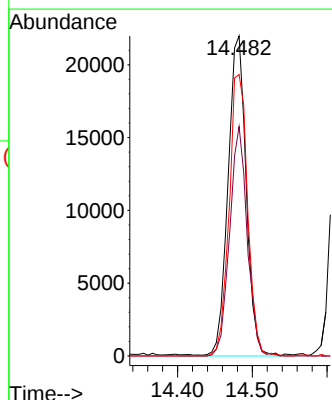
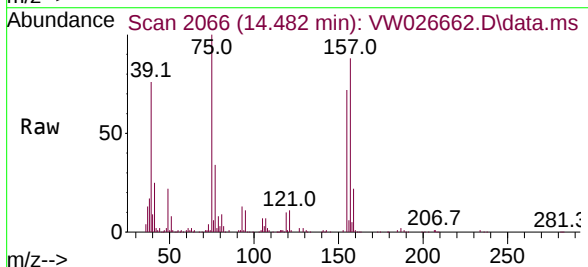
Instrument :
MSVOA_W
ClientSampleId :
VSTD025570

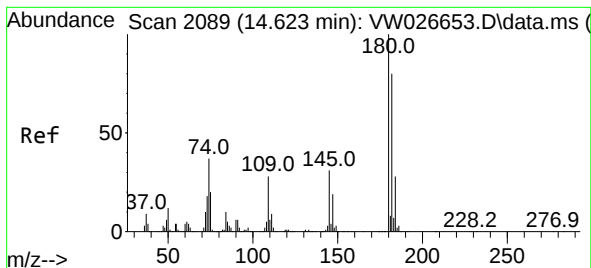
Tgt Ion:146 Resp: 425686
Ion Ratio Lower Upper
146 100
111 46.2 31.8 47.8
148 69.6 46.9 70.3



#68
1,2-Dibromo-3-chloropropane
Concen: 19.752 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW026662.D
Acq: 26 Jul 2023 15:53

Tgt Ion: 75 Resp: 37206
Ion Ratio Lower Upper
75 100
155 71.7 49.1 73.7
157 88.0 60.6 90.8





#69

1,3,5-Trichlorobenzene

Concen: 23.353 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW026662.D

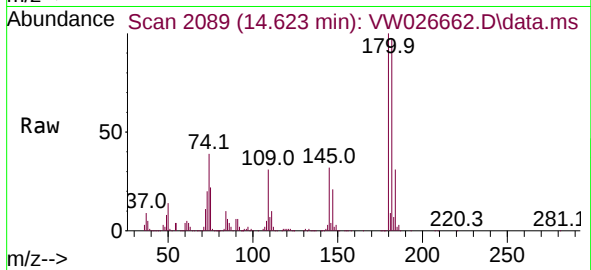
Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570



Tgt Ion:180 Resp: 293985

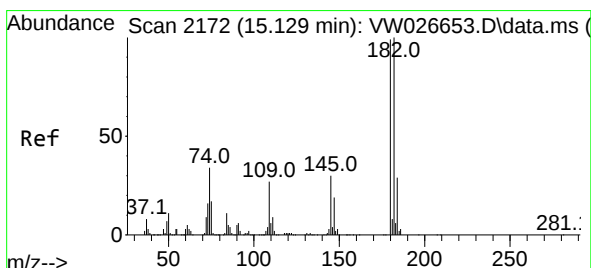
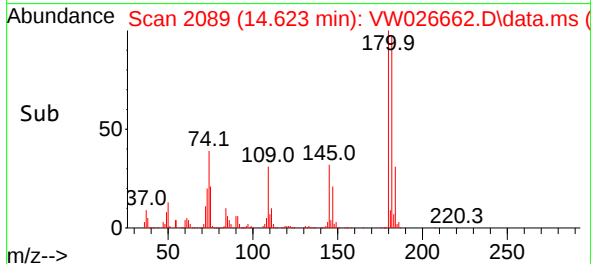
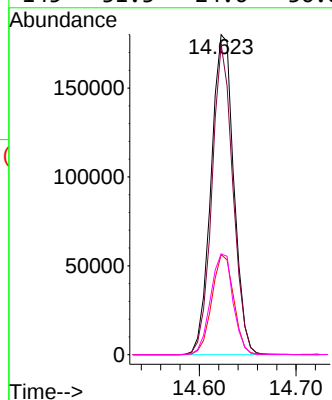
Ion Ratio Lower Upper

180 100

182 89.5 75.8 113.6

184 30.1 23.7 35.5

145 31.3 24.6 36.8



#70

1,2,4-trichlorobenzene

Concen: 24.691 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

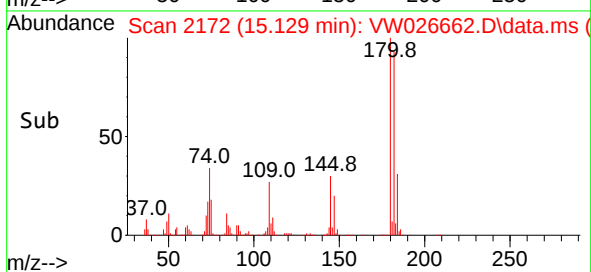
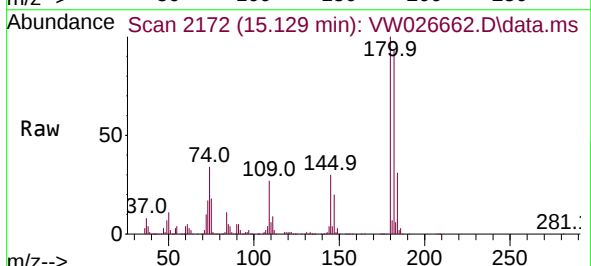
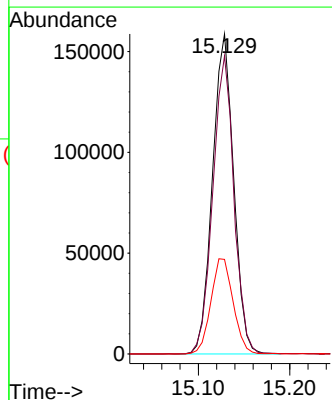
Tgt Ion:180 Resp: 255070

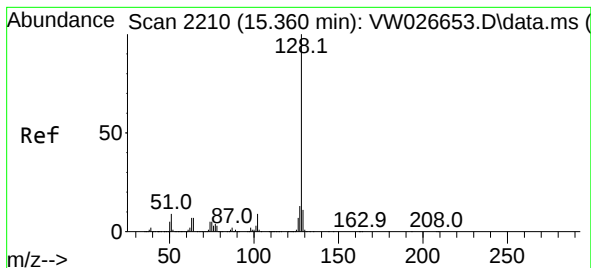
Ion Ratio Lower Upper

180 100

182 93.1 73.5 110.3

145 31.3 25.0 37.6





#71

Naphthalene

Concen: 23.234 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Instrument :

MSVOA_W

ClientSampleId :

VSTD025570

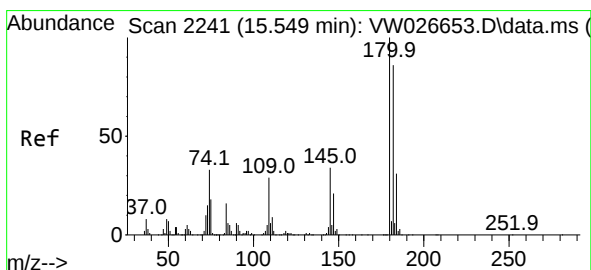
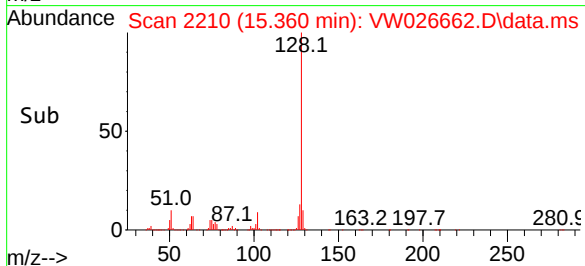
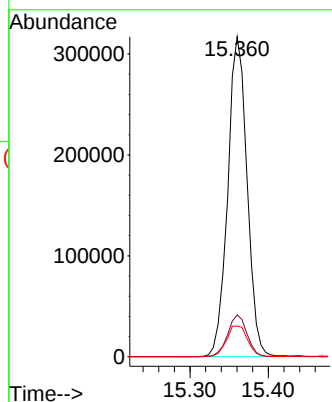
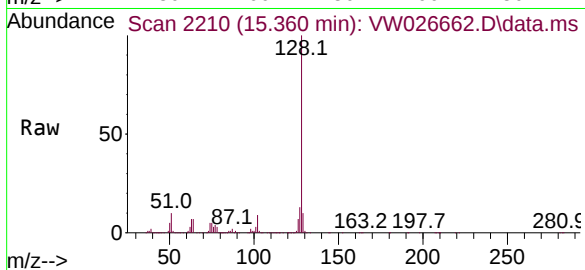
Tgt Ion:128 Resp: 543548

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.6 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 24.651 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW026662.D

Acq: 26 Jul 2023 15:53

Tgt Ion:180 Resp: 239737

Ion Ratio Lower Upper

180 100

182 94.6 75.2 112.8

145 34.1 26.6 40.0

