

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072623\
 Data File : VW026653.D
 Acq On : 26 Jul 2023 09:07
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025569

Quant Time: Jul 27 02:56:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Jul 25 01:52:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	609161	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	554693	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	289802	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	248627	24.196	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.800%
7) Chloroethane-d5	2.899	69	185579	25.738	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.960%
11) 1,1-Dichloroethene-d2	4.021	65	116321	24.106	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.440%
21) 2-Butanone-d5	7.075	46	139191	41.915	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.820%
24) Chloroform-d	7.648	84	474345	27.047	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	8.307	65	261101	26.664	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.640%
32) Benzene-d6	8.276	84	977011	25.658	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.640%
36) 1,2-Dichloropropane-d6	9.276	67	302606	25.845	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.360%
41) Toluene-d8	10.325	98	855512	26.195	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.760%
43) trans-1,3-Dichloroprop...	10.581	79	116901	24.915	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.640%
47) 2-Hexanone-d5	10.922	63	93706	41.015	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.040%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	228404	23.036	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.160%
66) 1,2-Dichlorobenzene-d4	13.849	152	256932	24.147	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	165440	24.076	ug/L	94
3) Chloromethane	2.223	50	223490	22.763	ug/L	99
5) Vinyl chloride	2.375	62	244236	23.604	ug/L	97
6) Bromomethane	2.790	94	133113	24.200	ug/L	99
8) Chloroethane	2.936	64	147888	25.560	ug/L	97
9) Trichlorofluoromethane	3.265	101	196372	25.623	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	213434	25.094	ug/L	99
12) 1,1-Dichloroethene	4.045	96	201005	24.631	ug/L	94
13) Acetone	4.125	43	154273	64.584	ug/L	94
14) Carbon disulfide	4.393	76	667734	23.342	ug/L	98
15) Methyl Acetate	4.673	43	119464	20.816	ug/L	99
16) Methylene chloride	4.923	84	253005	23.510	ug/L	100
17) trans-1,2-Dichloroethene	5.429	96	215029	24.644	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	338380	24.779	ug/L	99
19) 1,1-Dichloroethane	6.216	63	459868	26.361	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	239589	26.517	ug/L	99
22) 2-Butanone	7.173	43	192234	52.847	ug/L	98
23) Bromochloromethane	7.514	128	99790	25.784	ug/L	94
25) Chloroform	7.679	83	428547	26.812	ug/L	98

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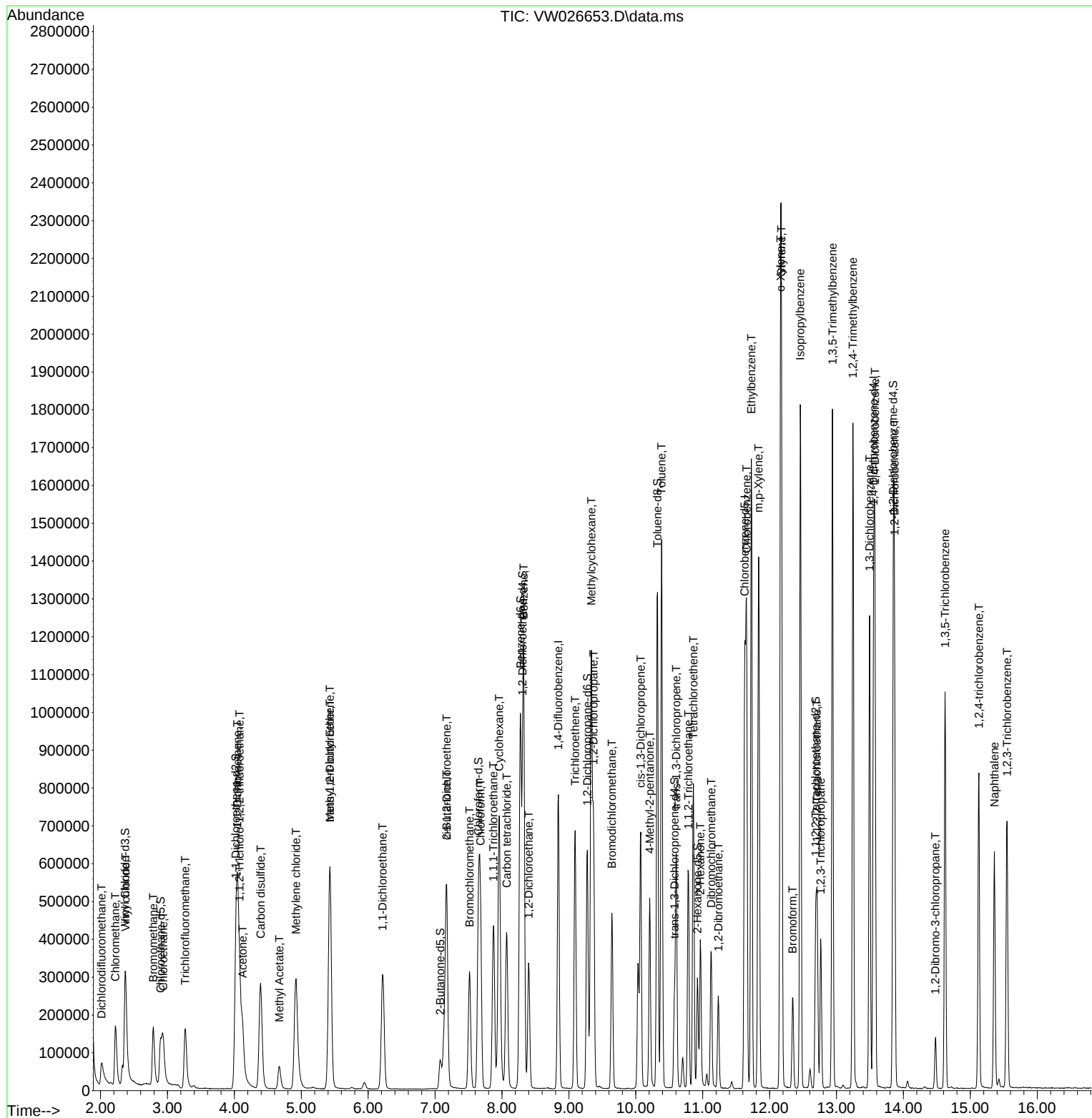
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	301616	26.806	ug/L	99
29) Cyclohexane	7.959	56	405294	23.467	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	346218	25.466	ug/L	98
31) Carbon tetrachloride	8.069	117	315718	25.582	ug/L	100
33) Benzene	8.325	78	979570	25.630	ug/L	100
34) Trichloroethene	9.093	95	241645	24.613	ug/L	98
35) Methylcyclohexane	9.337	83	425455	24.135	ug/L	100
37) 1,2-Dichloropropane	9.368	63	268549	26.459	ug/L	99
38) Bromodichloromethane	9.642	83	308897	26.787	ug/L	100
39) cis-1,3-Dichloropropene	10.075	75	389056	26.624	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	333904	43.586	ug/L	99
42) Toluene	10.386	91	1009784	26.162	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	328548	26.659	ug/L	100
45) 1,1,2-Trichloroethane	10.788	97	178480	25.195	ug/L	97
46) Tetrachloroethene	10.861	164	176046	25.259	ug/L	96
48) 2-Hexanone	10.965	43	255550	47.799	ug/L	97
49) Dibromochloromethane	11.129	129	189095	26.959	ug/L	95
50) 1,2-Dibromoethane	11.233	107	163834	24.535	ug/L	99
51) Chlorobenzene	11.654	112	614044	25.947	ug/L	97
52) Ethylbenzene	11.727	91	1120054	26.066	ug/L	98
53) m,p-Xylene	11.837	106	417267	26.692	ug/L	95
54) o-Xylene	12.166	106	384722	26.219	ug/L	98
55) Styrene	12.178	104	702396	28.380	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.708	83	226067	24.317	ug/L	97
59) Bromoform	12.343	173	111025	24.222	ug/L	99
60) Isopropylbenzene	12.459	105	1083984	24.176	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	161360	20.614	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	873499	25.399	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	892393	26.172	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	455228	24.195	ug/L	93
65) 1,4-Dichlorobenzene	13.574	146	478591	25.506	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	416957	25.040	ug/L	91
68) 1,2-Dibromo-3-chloropr...	14.476	75	36266	19.466	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	302316	24.281	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	246644	24.139	ug/L	98
71) Naphthalene	15.360	128	491249	21.231	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	229346	23.843	ug/L	98

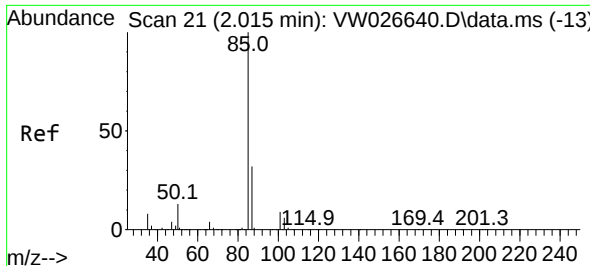
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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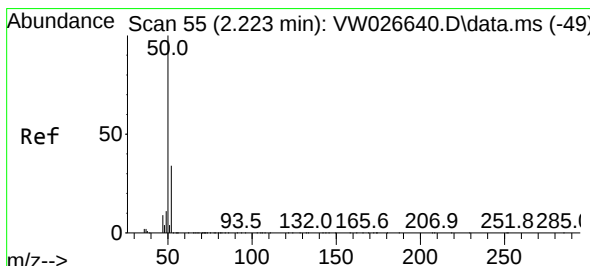
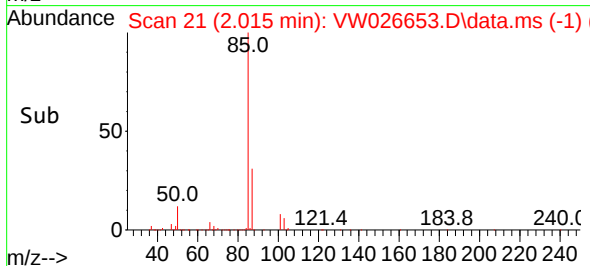
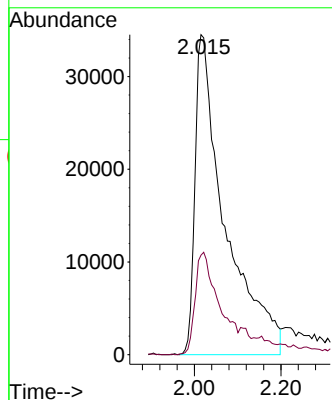
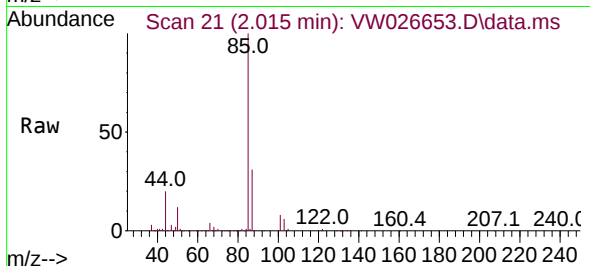




#2
 Dichlorodifluoromethane
 Concen: 24.076 ug/L
 RT: 2.015 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW026653.D
 Acq: 26 Jul 2023 09:07

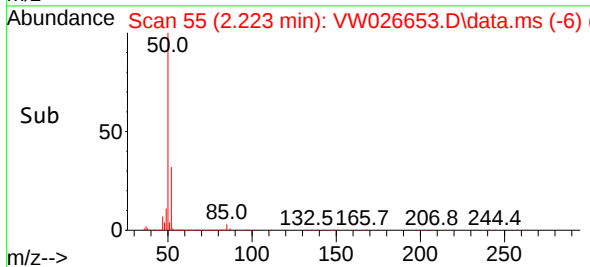
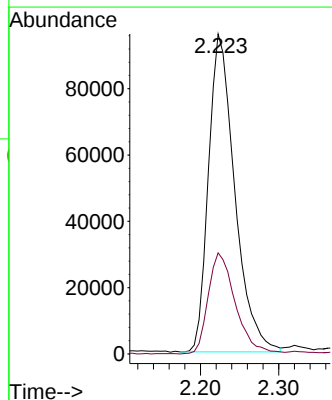
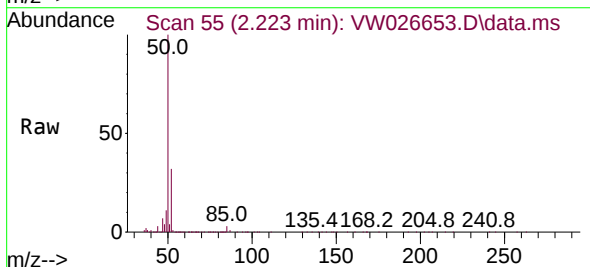
Instrument :
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 ClientSampleId :
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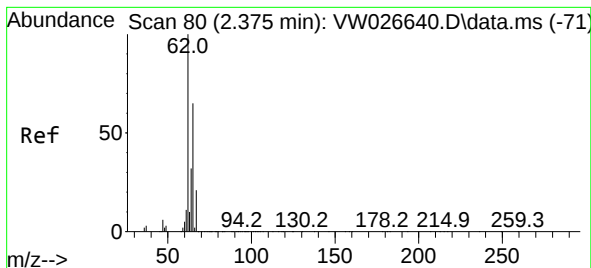
Tgt Ion: 85 Resp: 165440
 Ion Ratio Lower Upper
 85 100
 87 23.5 21.4 32.0



#3
 Chloromethane
 Concen: 22.763 ug/L
 RT: 2.223 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VW026653.D
 Acq: 26 Jul 2023 09:07

Tgt Ion: 50 Resp: 223490
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.5 41.7





#5

Vinyl chloride

Concen: 23.604 ug/L

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

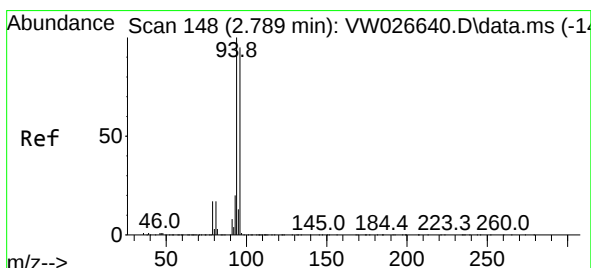
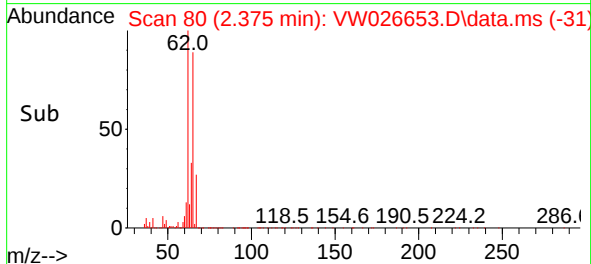
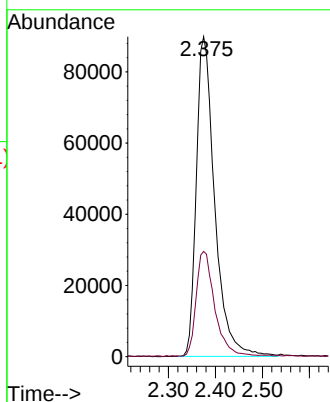
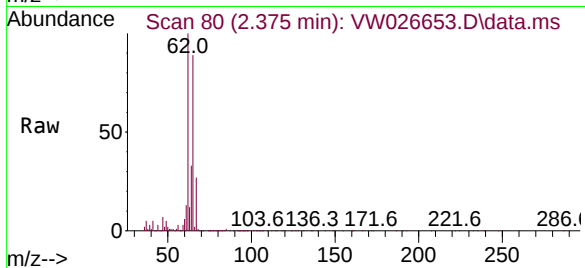
VSTD025569

Tgt Ion: 62 Resp: 244236

Ion Ratio Lower Upper

62 100

64 32.9 24.2 45.0



#6

Bromomethane

Concen: 24.200 ug/L

RT: 2.790 min Scan# 148

Delta R.T. 0.000 min

Lab File: VW026653.D

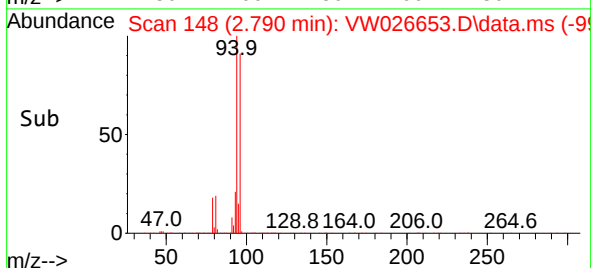
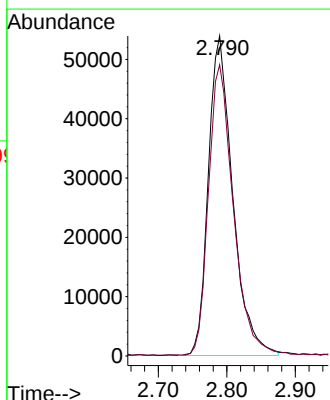
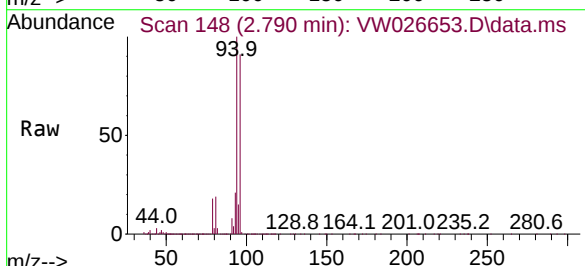
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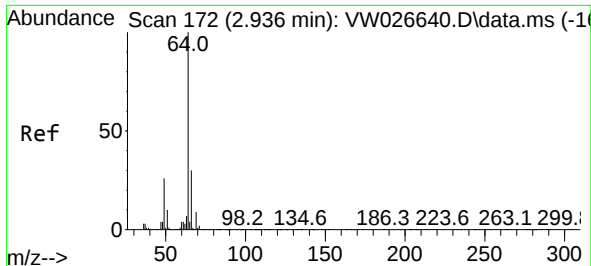
Tgt Ion: 94 Resp: 133113

Ion Ratio Lower Upper

94 100

96 91.0 64.5 119.9

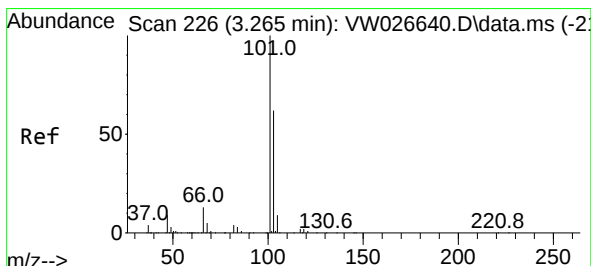
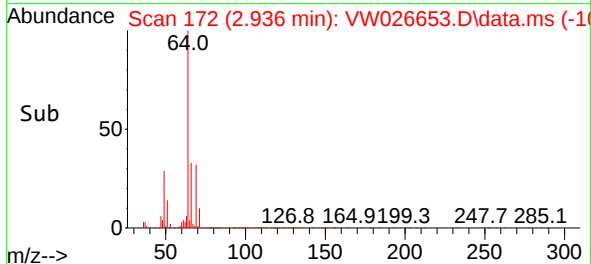
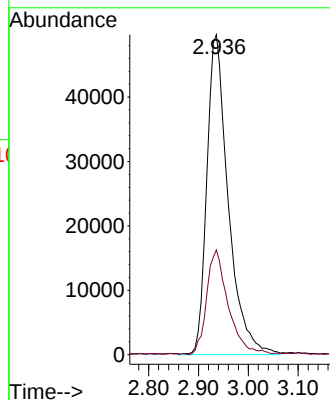
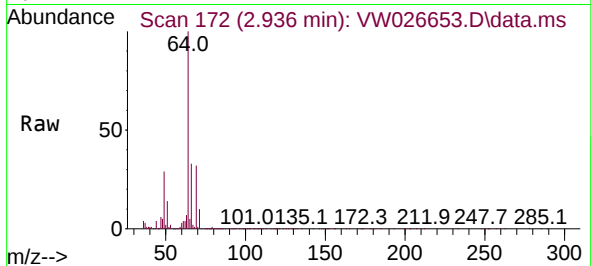




#8
Chloroethane
Concen: 25.560 ug/L
RT: 2.936 min Scan# 172
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

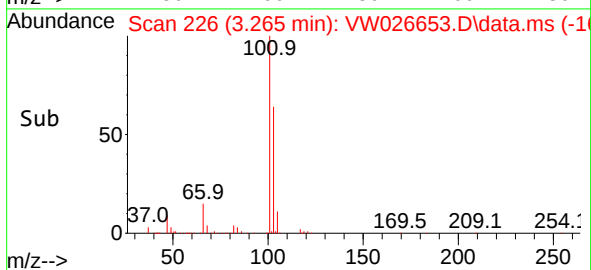
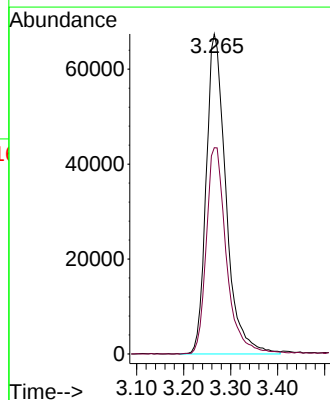
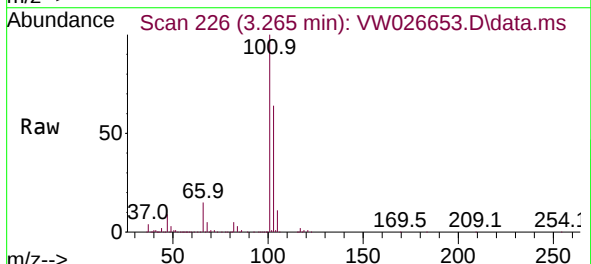
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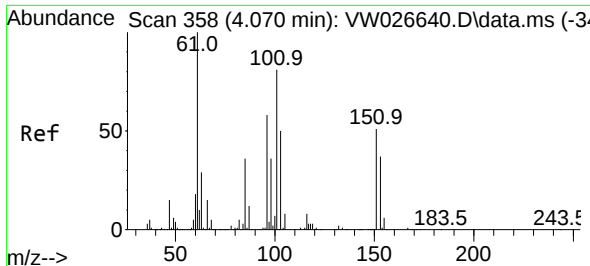
Tgt Ion: 64 Resp: 147888
Ion Ratio Lower Upper
64 100
66 32.7 21.7 40.3



#9
Trichlorofluoromethane
Concen: 25.623 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion: 101 Resp: 196372
Ion Ratio Lower Upper
101 100
103 65.4 50.3 75.5

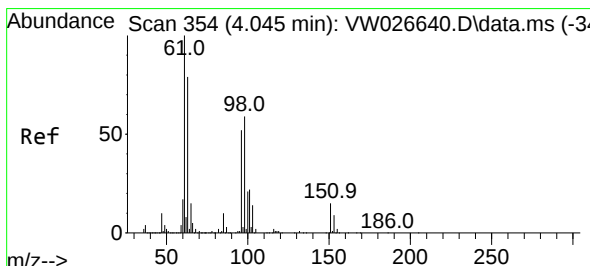
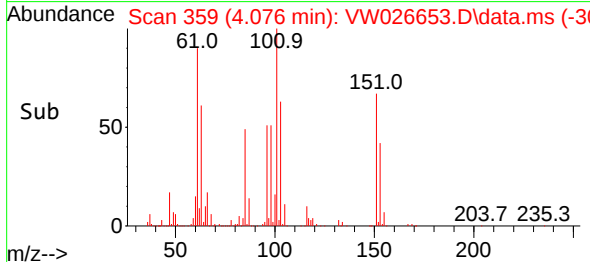
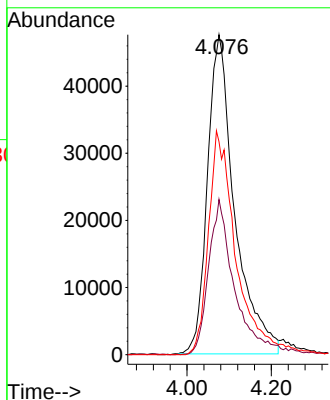
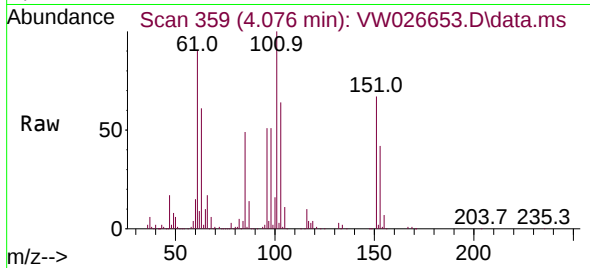




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 25.094 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW026653.D
 Acq: 26 Jul 2023 09:07

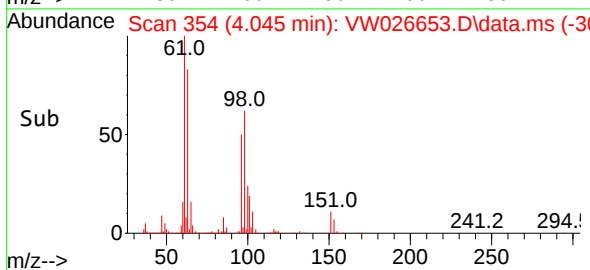
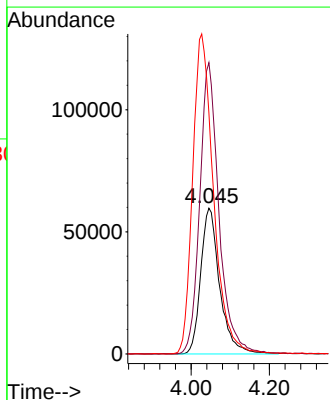
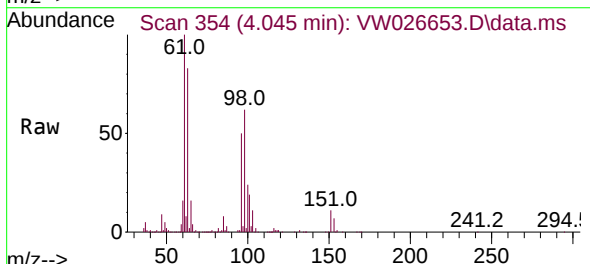
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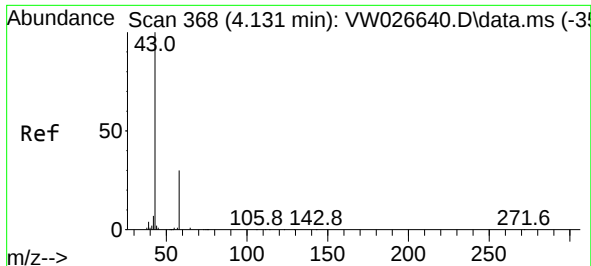
Tgt Ion:101 Resp: 213434
 Ion Ratio Lower Upper
 101 100
 85 46.1 36.1 54.1
 151 69.3 55.9 83.9



#12
 1,1-Dichloroethene
 Concen: 24.631 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW026653.D
 Acq: 26 Jul 2023 09:07

Tgt Ion: 96 Resp: 201005
 Ion Ratio Lower Upper
 96 100
 61 199.9 140.8 261.4
 63 165.2 127.7 237.3

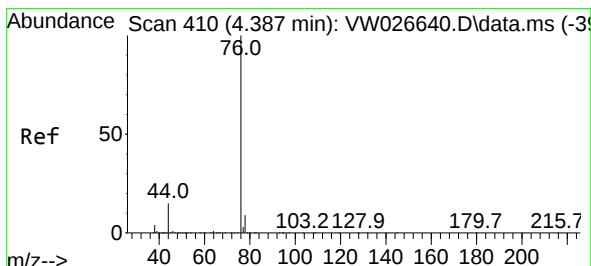
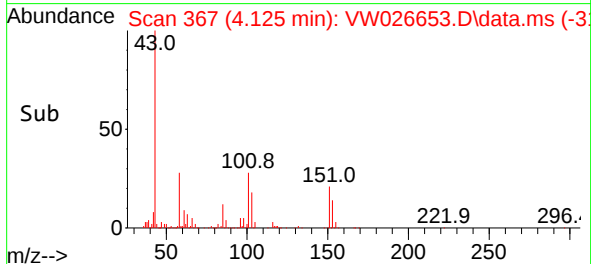
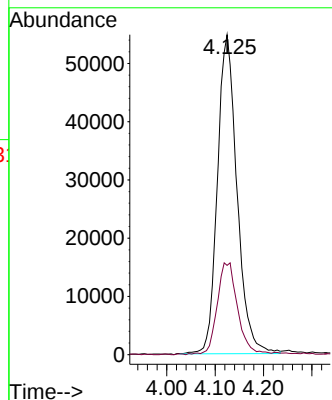
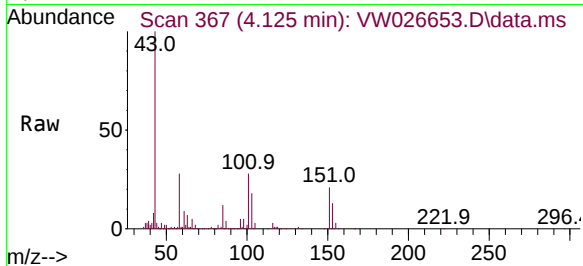




#13
Acetone
Concen: 64.584 ug/L
RT: 4.125 min Scan# 367
Delta R.T. -0.006 min
Lab File: VW026653.D
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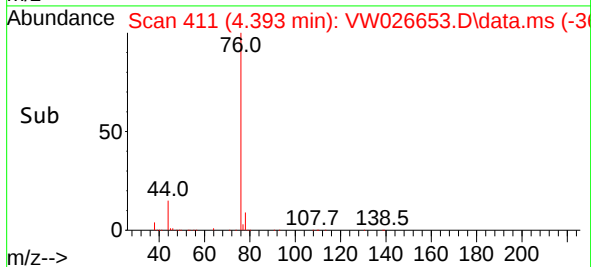
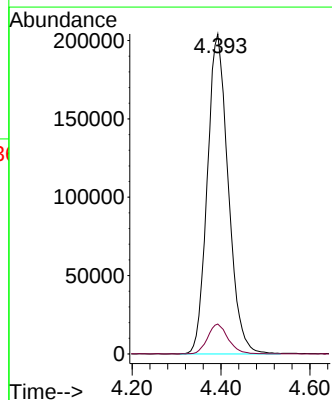
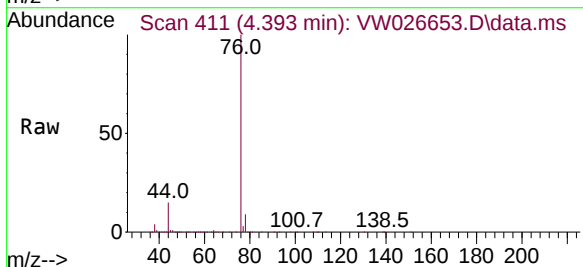
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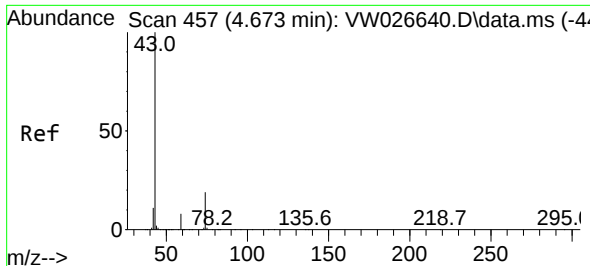
Tgt Ion: 43 Resp: 154273
Ion Ratio Lower Upper
43 100
58 28.5 0.0 63.2



#14
Carbon disulfide
Concen: 23.342 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW026653.D
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Tgt Ion: 76 Resp: 667734
Ion Ratio Lower Upper
76 100
78 9.4 6.9 10.3

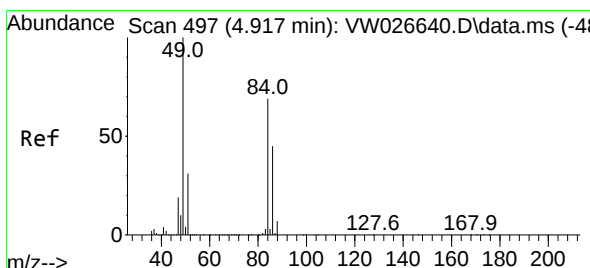
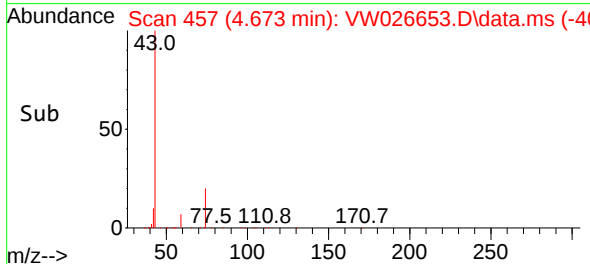
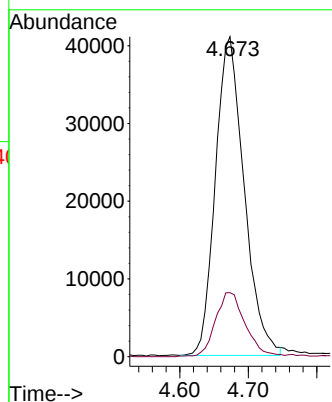
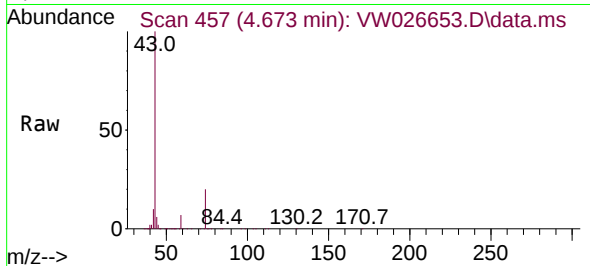




#15
Methyl Acetate
Concen: 20.816 ug/L
RT: 4.673 min Scan# 457
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

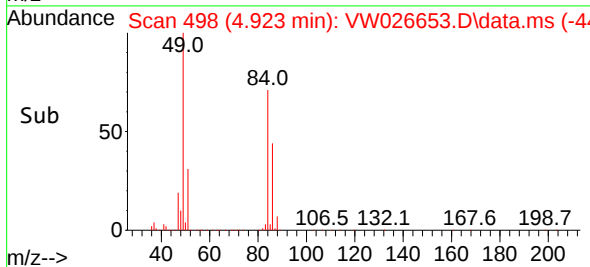
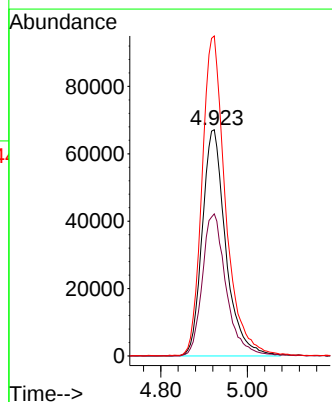
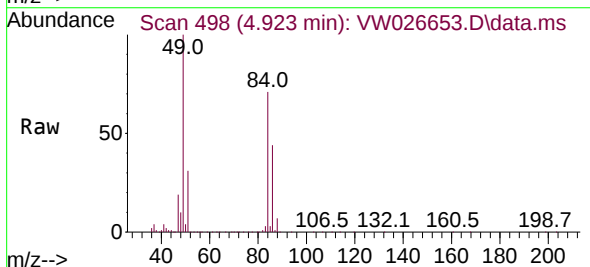
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

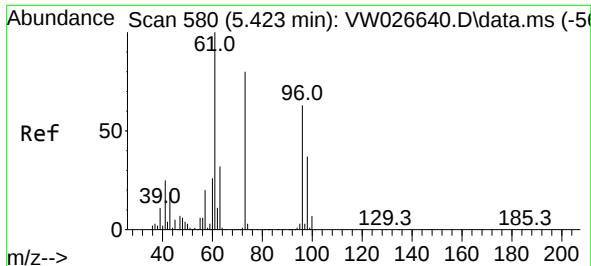
Tgt Ion: 43 Resp: 119464
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5



#16
Methylene chloride
Concen: 23.510 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion: 84 Resp: 253005
Ion Ratio Lower Upper
84 100
86 62.8 43.8 81.3
49 141.5 99.2 184.2





#17

trans-1,2-Dichloroethene

Concen: 24.644 ug/L

RT: 5.429 min Scan# 580

Delta R.T. 0.006 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025569

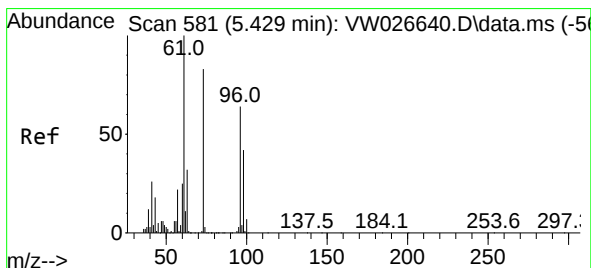
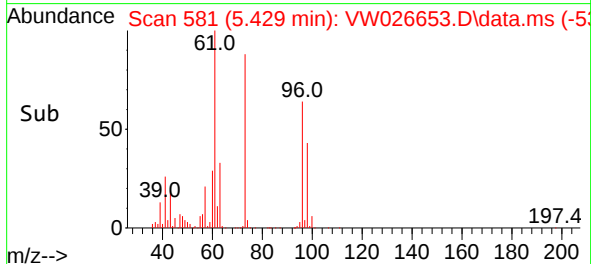
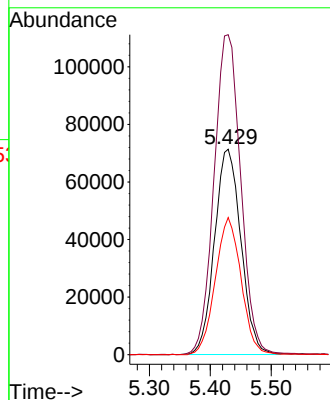
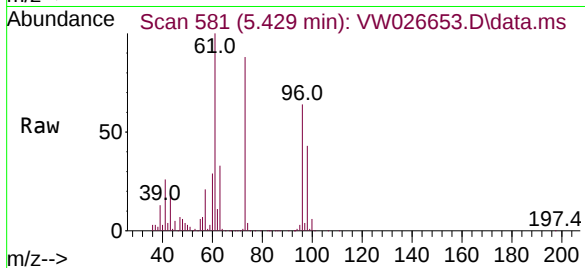
Tgt Ion: 96 Resp: 215029

Ion Ratio Lower Upper

96 100

61 155.7 108.1 200.9

98 66.7 43.4 80.6



#18

Methyl tert-butyl Ether

Concen: 24.779 ug/L

RT: 5.429 min Scan# 581

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

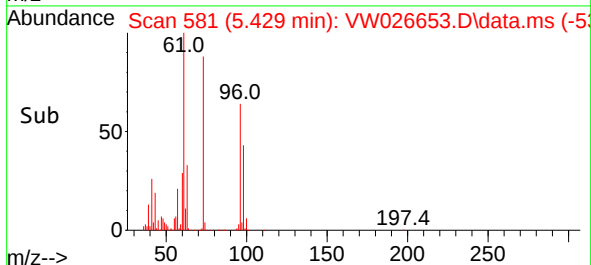
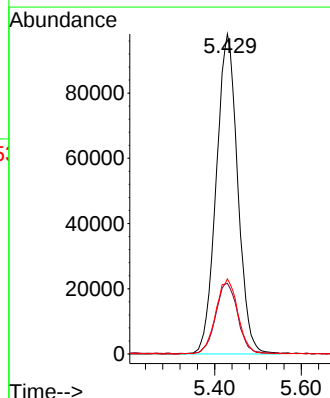
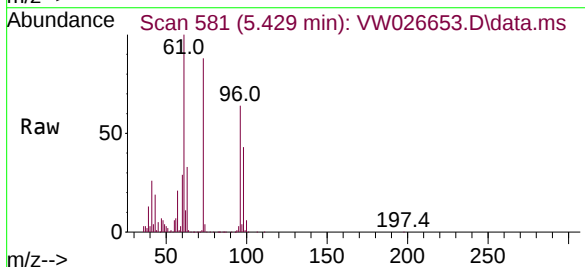
Tgt Ion: 73 Resp: 338380

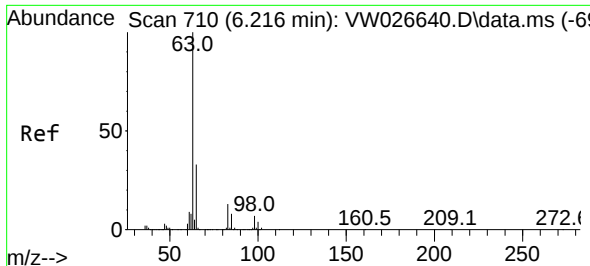
Ion Ratio Lower Upper

73 100

43 22.5 17.4 26.2

57 23.8 19.3 28.9





#19

1,1-Dichloroethane

Concen: 26.361 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025569

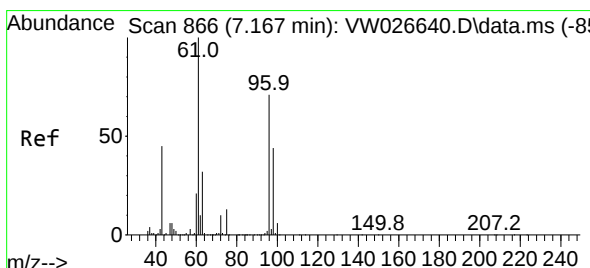
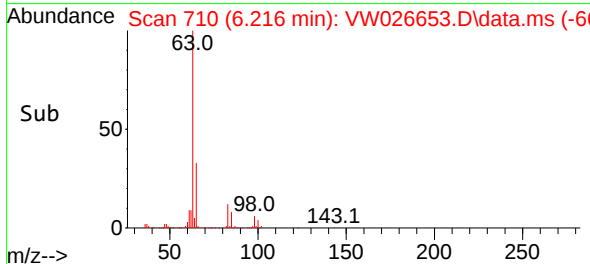
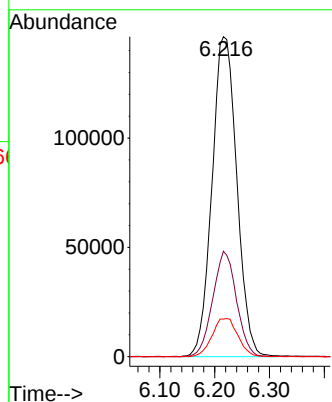
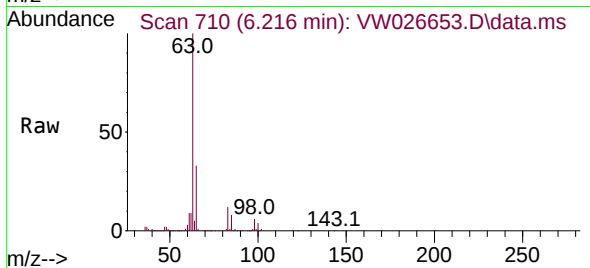
Tgt Ion: 63 Resp: 459868

Ion Ratio Lower Upper

63 100

65 32.9 22.3 41.5

83 11.7 8.8 16.4



#20

cis-1,2-Dichloroethene

Concen: 26.517 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.006 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

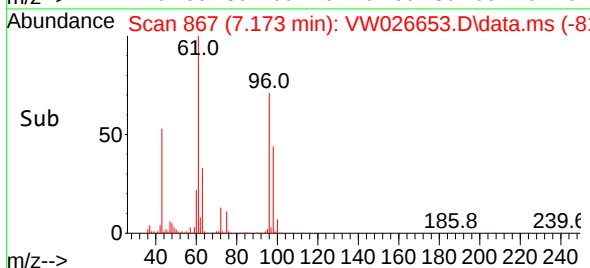
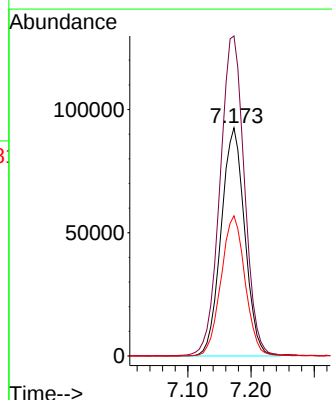
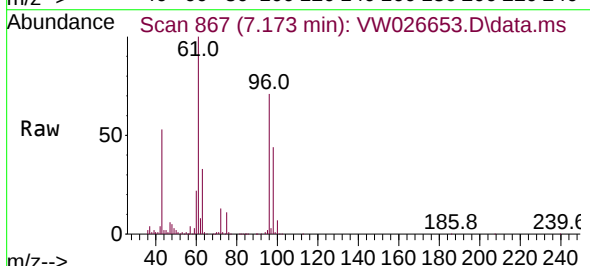
Tgt Ion: 96 Resp: 239589

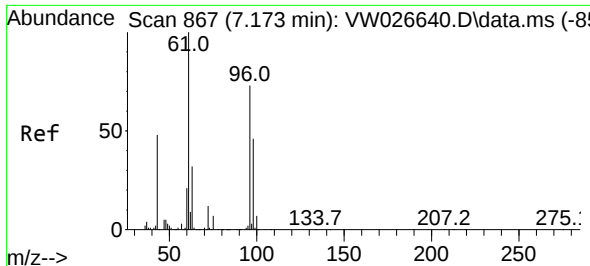
Ion Ratio Lower Upper

96 100

61 140.2 98.8 183.6

98 61.4 42.4 78.6

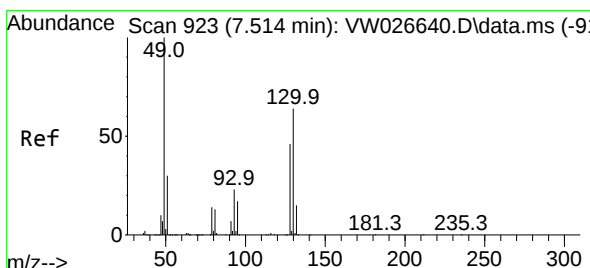
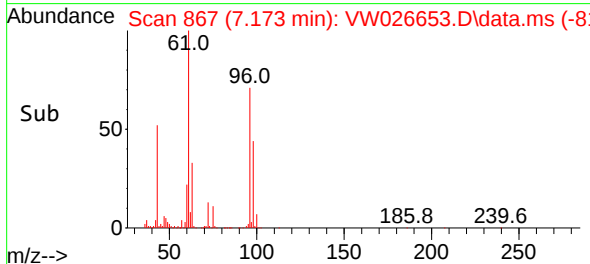
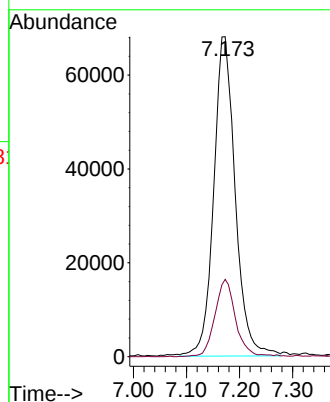
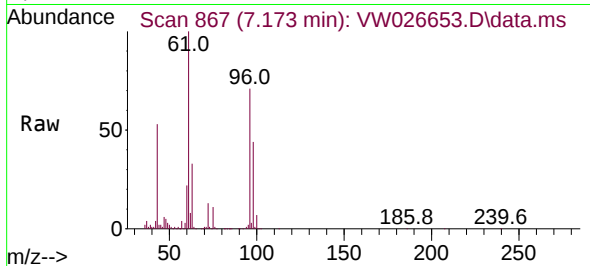




#22
2-Butanone
Concen: 52.847 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

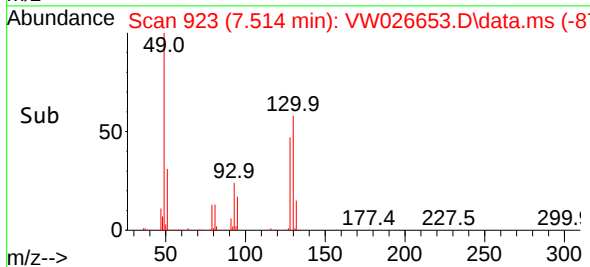
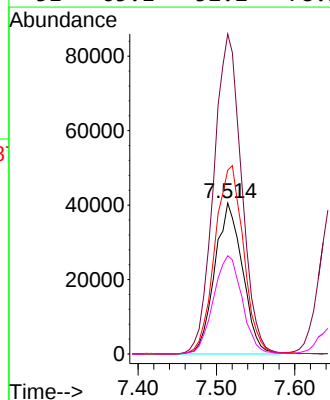
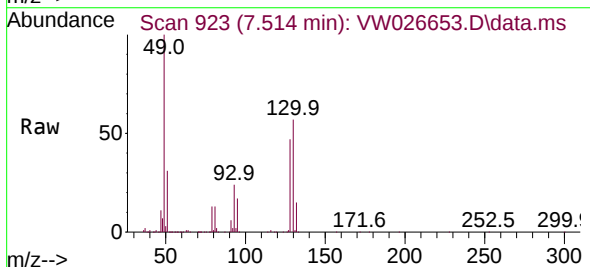
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

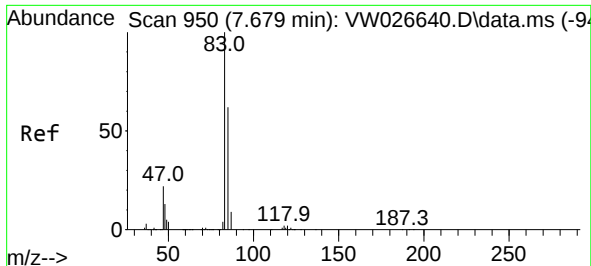
Tgt Ion: 43 Resp: 192234
Ion Ratio Lower Upper
43 100
72 22.9 11.9 35.5



#23
Bromochloromethane
Concen: 25.784 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion: 128 Resp: 99790
Ion Ratio Lower Upper
128 100
49 212.0 142.1 263.9
130 121.7 92.9 172.5
51 65.1 52.2 78.2





#25

Chloroform

Concen: 26.812 ug/L

RT: 7.679 min Scan# 910

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

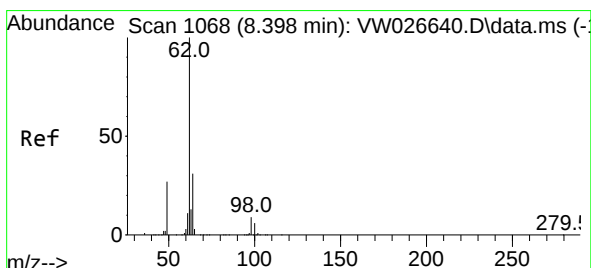
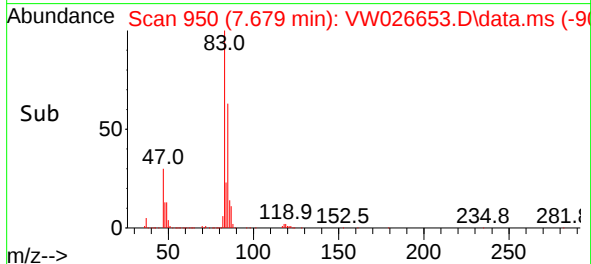
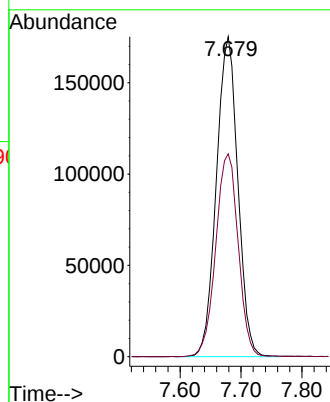
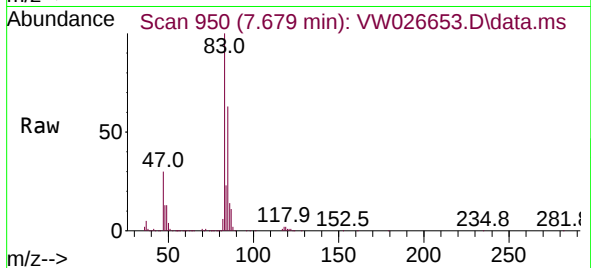
VSTD025569

Tgt Ion: 83 Resp: 428547

Ion Ratio Lower Upper

83 100

85 63.4 45.7 84.9



#27

1,2-Dichloroethane

Concen: 26.806 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW026653.D

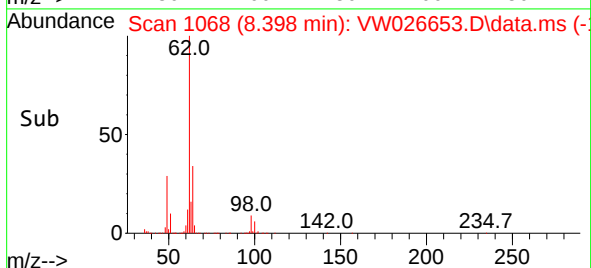
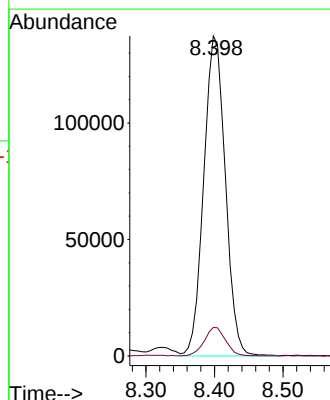
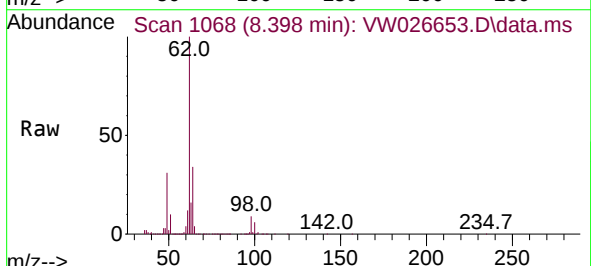
Acq: 26 Jul 2023 09:07

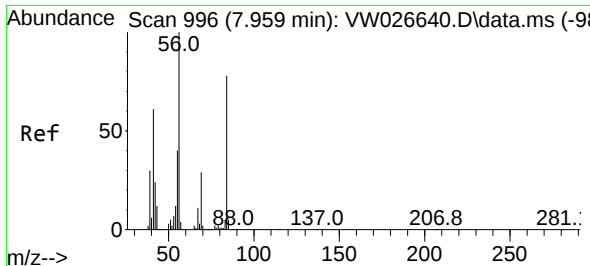
Tgt Ion: 62 Resp: 301616

Ion Ratio Lower Upper

62 100

98 8.9 6.7 10.1

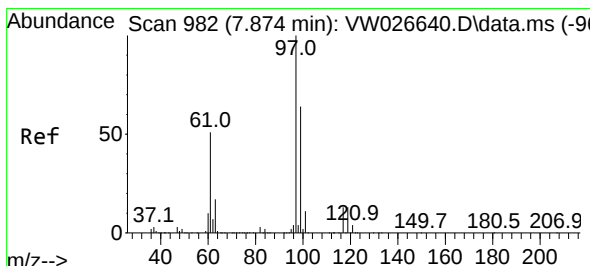
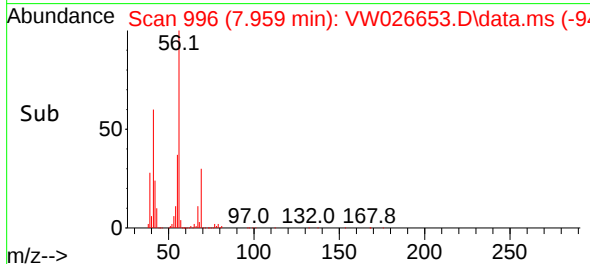
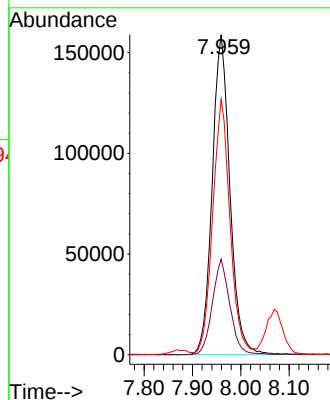
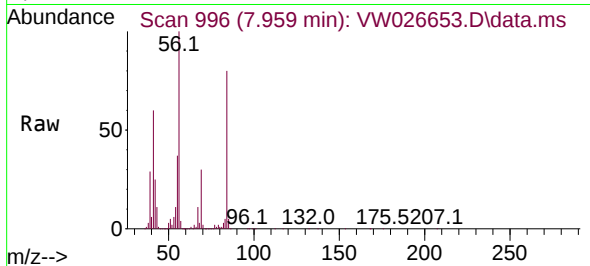




#29
Cyclohexane
Concen: 23.467 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

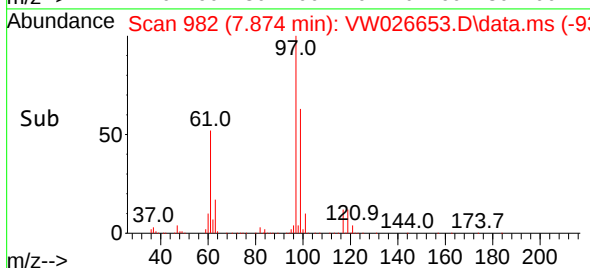
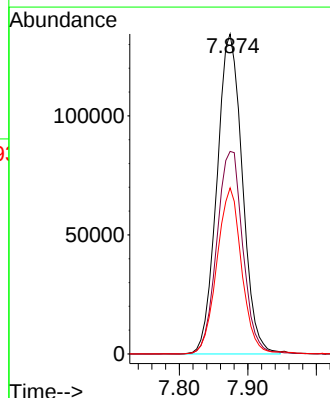
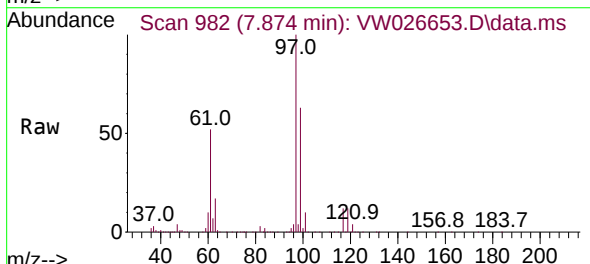
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

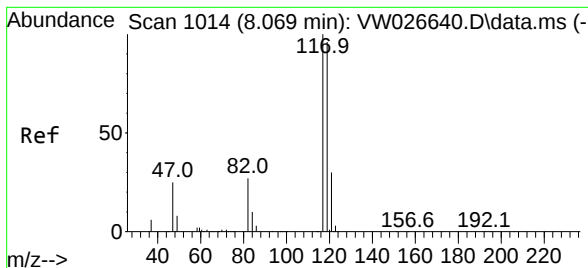
Tgt Ion: 56 Resp: 405294
Ion Ratio Lower Upper
56 100
69 29.4 23.4 35.0
84 78.4 62.6 94.0



#30
1,1,1-Trichloroethane
Concen: 25.466 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion: 97 Resp: 346218
Ion Ratio Lower Upper
97 100
99 64.9 49.9 74.9
61 50.4 39.8 59.8

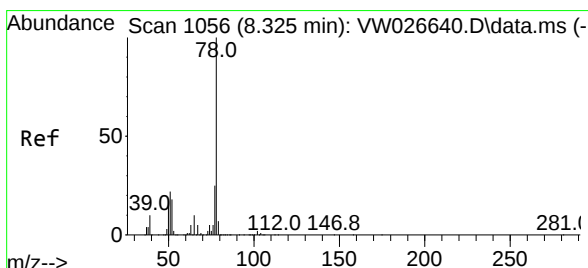
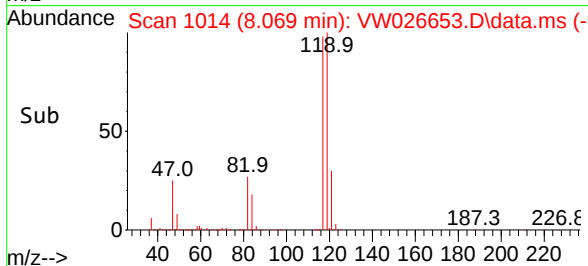
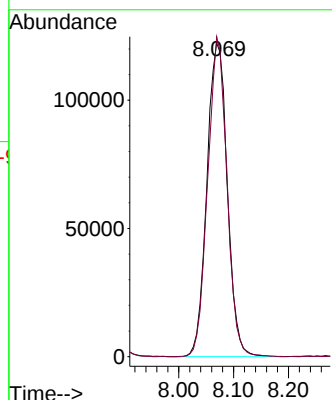
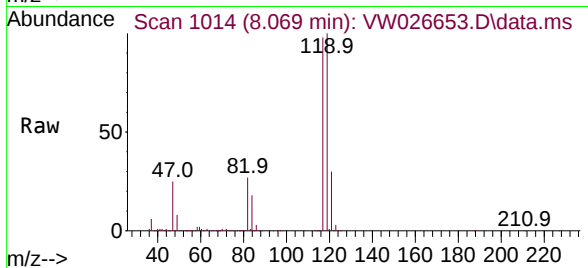




#31
Carbon tetrachloride
Concen: 25.582 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

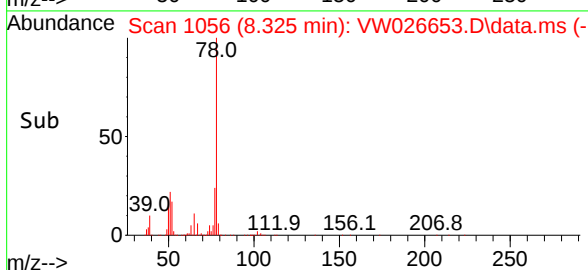
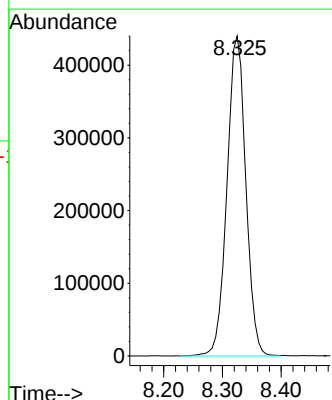
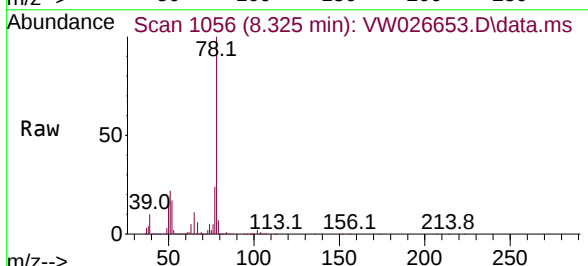
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

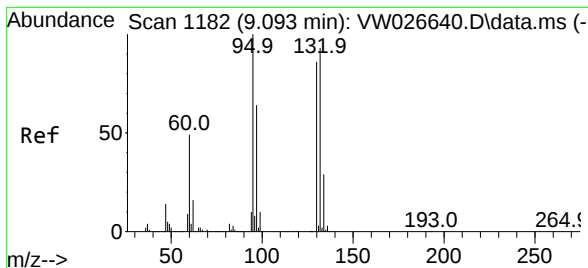
Tgt Ion:117 Resp: 315718
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7



#33
Benzene
Concen: 25.630 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion: 78 Resp: 979570





#34

Trichloroethene

Concen: 24.613 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025569

Tgt Ion: 95 Resp: 241645

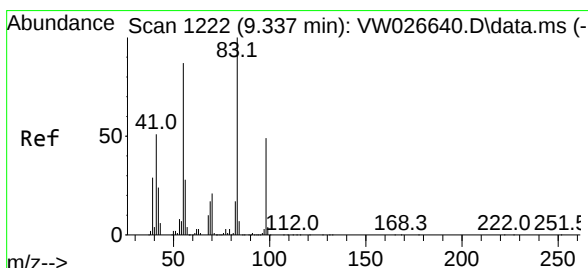
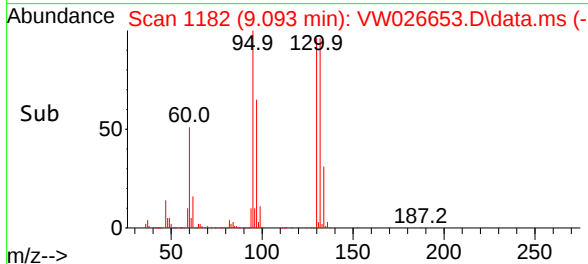
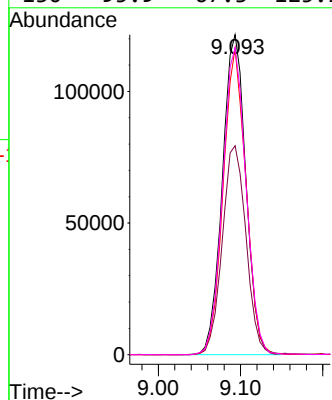
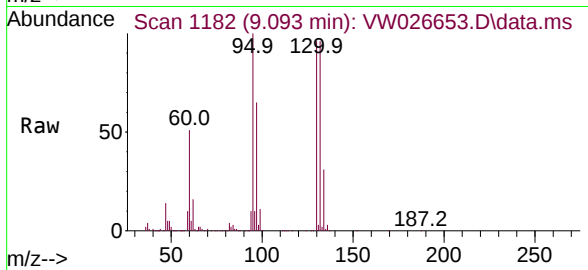
Ion Ratio Lower Upper

95 100

97 65.3 47.9 88.9

132 95.7 65.0 120.8

130 95.9 67.3 125.1



#35

Methylcyclohexane

Concen: 24.135 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

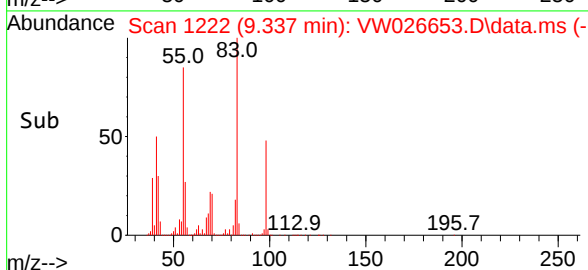
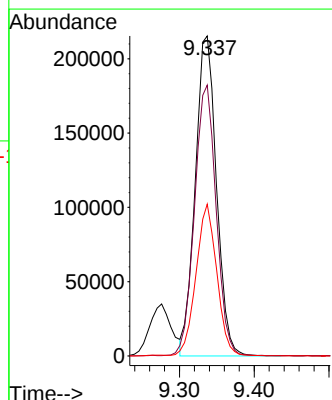
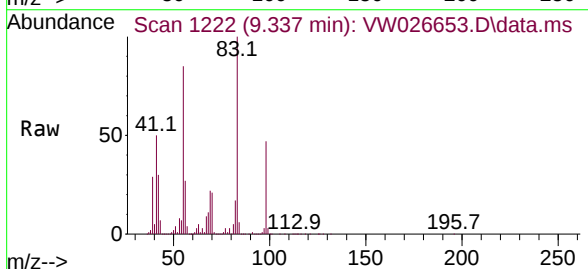
Tgt Ion: 83 Resp: 425455

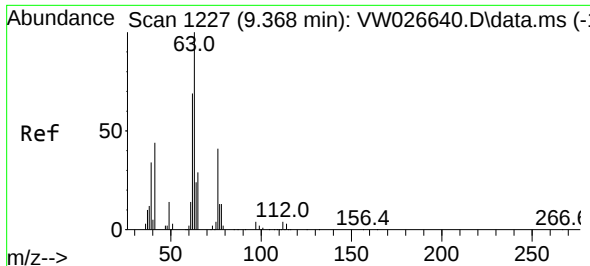
Ion Ratio Lower Upper

83 100

55 86.2 68.7 103.1

98 46.6 37.3 55.9





#37

1,2-Dichloropropane

Concen: 26.459 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

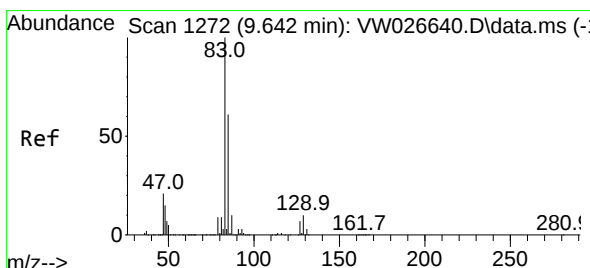
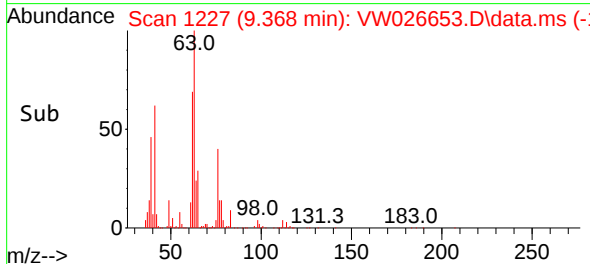
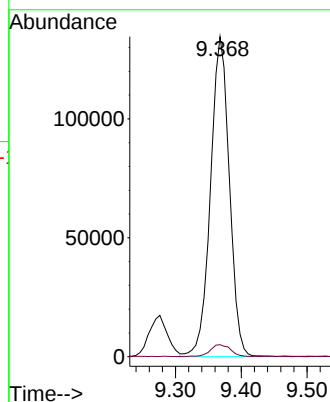
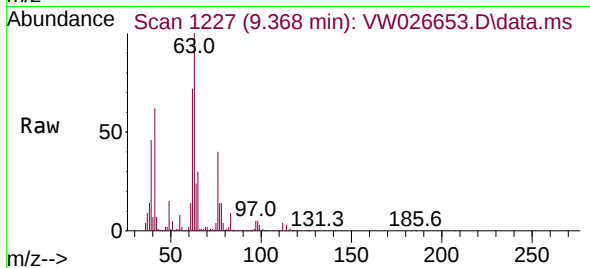
VSTD025569

Tgt Ion: 63 Resp: 268549

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 26.787 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

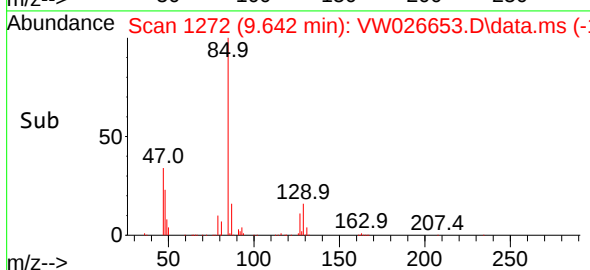
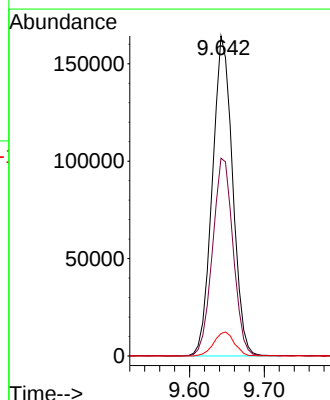
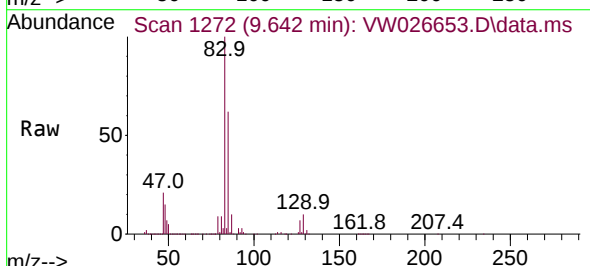
Tgt Ion: 83 Resp: 308897

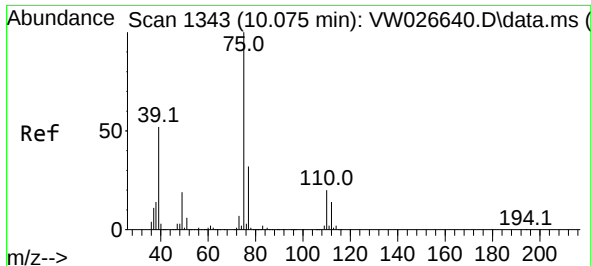
Ion Ratio Lower Upper

83 100

85 61.8 43.3 80.3

127 7.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 26.624 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

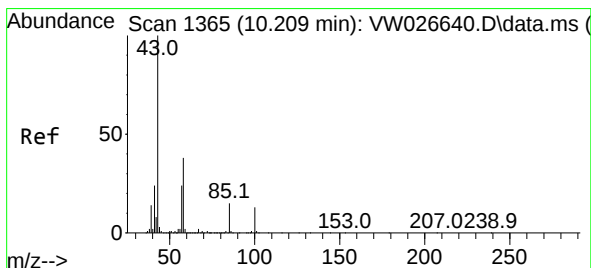
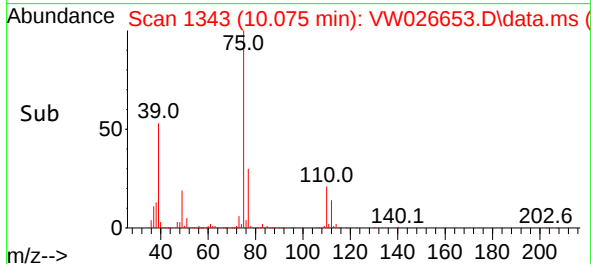
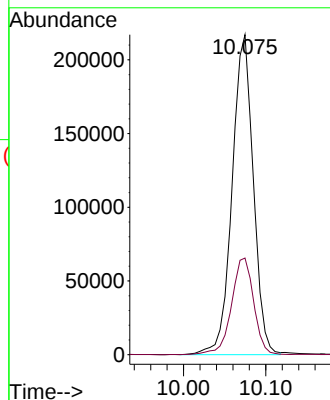
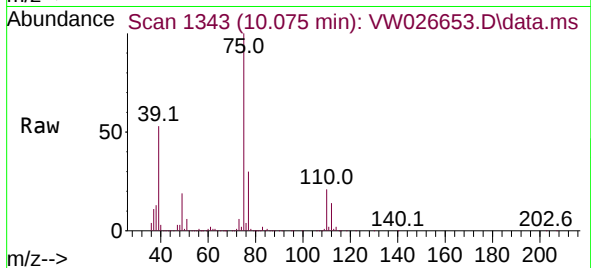
VSTD025569

Tgt Ion: 75 Resp: 389056

Ion Ratio Lower Upper

75 100

77 30.2 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 43.586 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

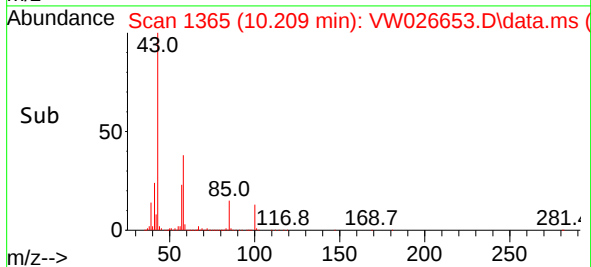
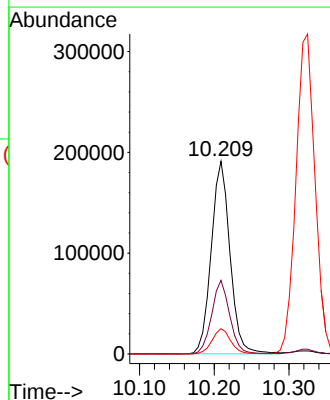
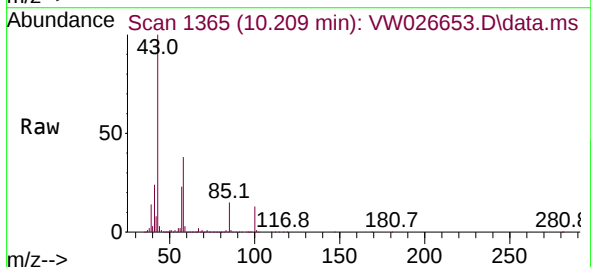
Tgt Ion: 43 Resp: 333904

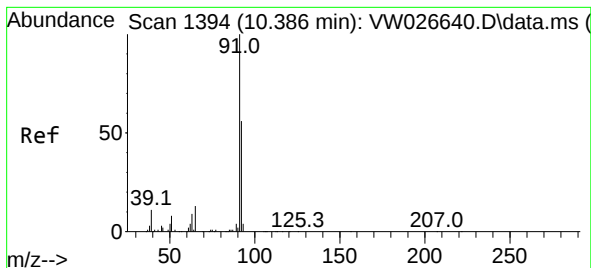
Ion Ratio Lower Upper

43 100

58 36.7 29.8 44.8

100 13.1 10.7 16.1





#42

Toluene

Concen: 26.162 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

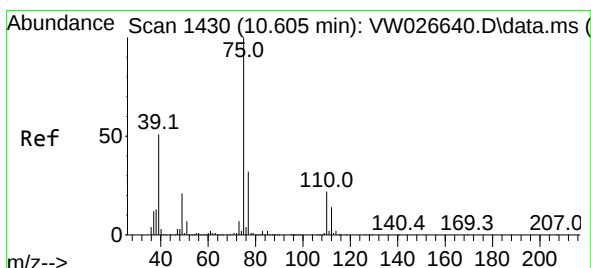
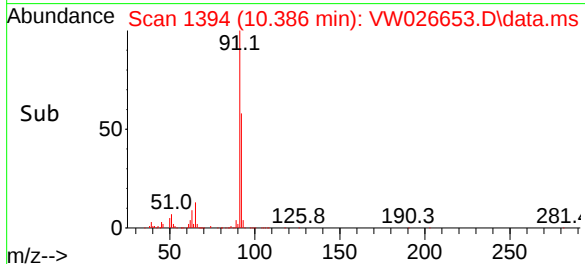
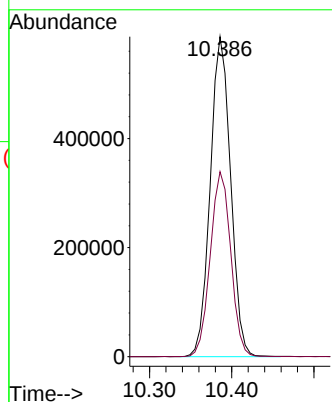
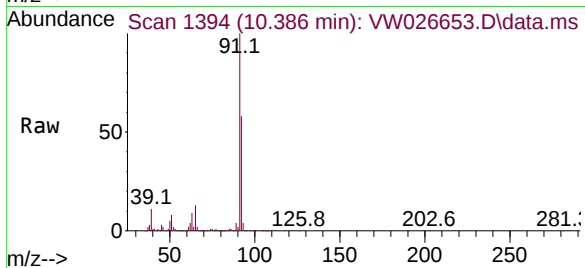
VSTD025569

Tgt Ion: 91 Resp: 1009784

Ion Ratio Lower Upper

91 100

92 57.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 26.659 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW026653.D

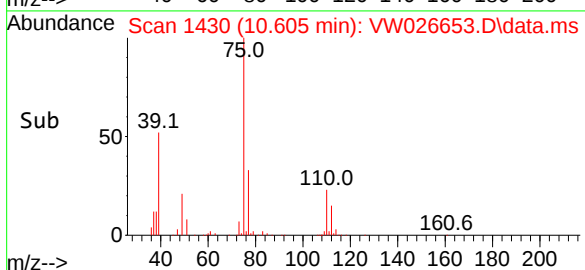
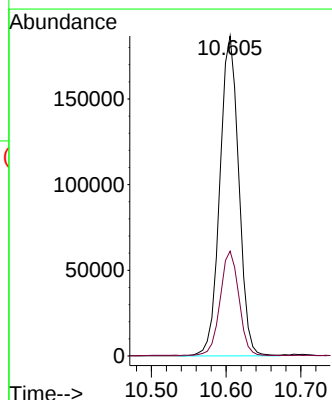
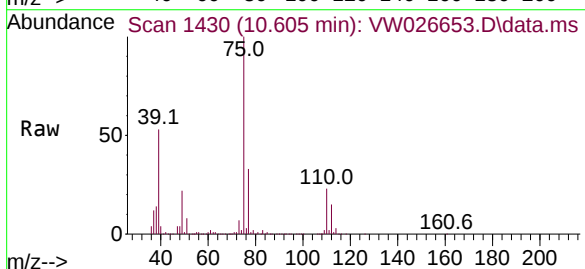
Acq: 26 Jul 2023 09:07

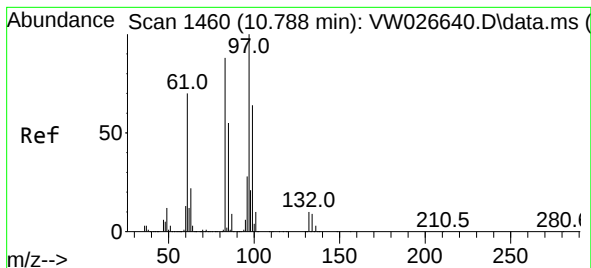
Tgt Ion: 75 Resp: 328548

Ion Ratio Lower Upper

75 100

77 32.7 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 25.195 ug/L

RT: 10.788 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025569

Tgt Ion: 97 Resp: 178480

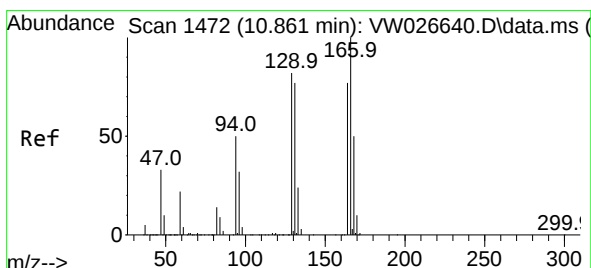
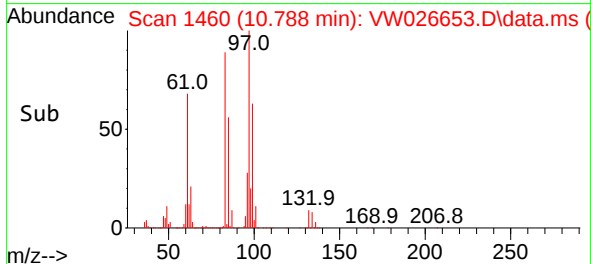
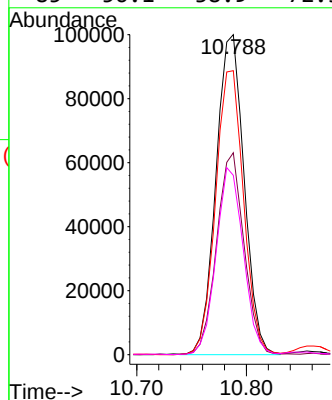
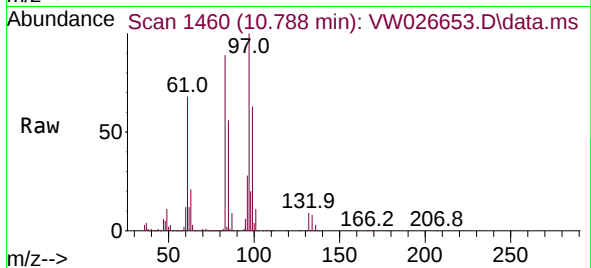
Ion Ratio Lower Upper

97 100

99 63.1 40.5 75.3

83 88.8 61.0 113.2

85 56.1 38.9 72.3



#46

Tetrachloroethene

Concen: 25.259 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Tgt Ion:164 Resp: 176046

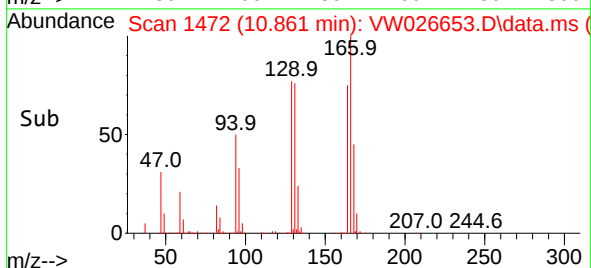
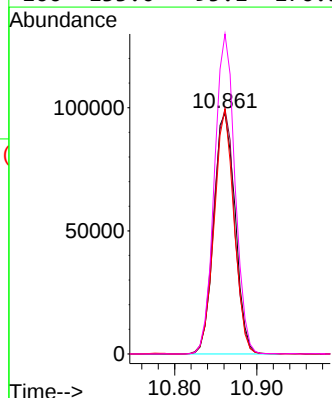
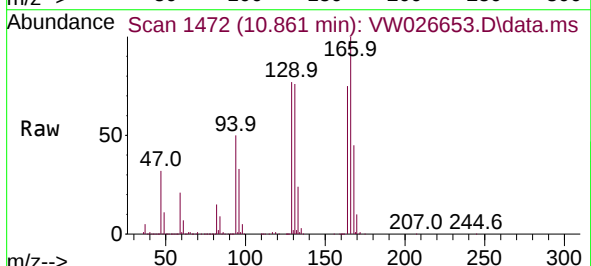
Ion Ratio Lower Upper

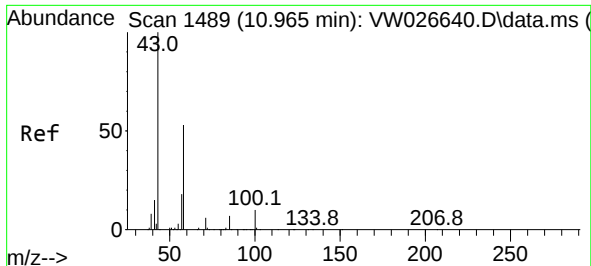
164 100

129 101.9 75.5 140.1

131 101.7 74.8 138.8

166 133.0 95.1 176.5

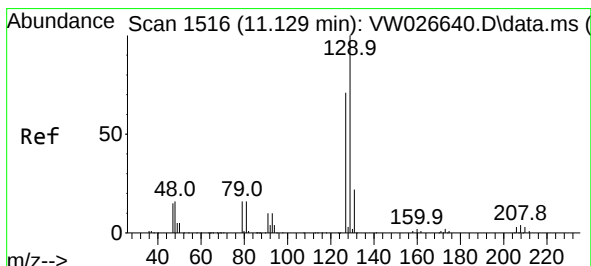
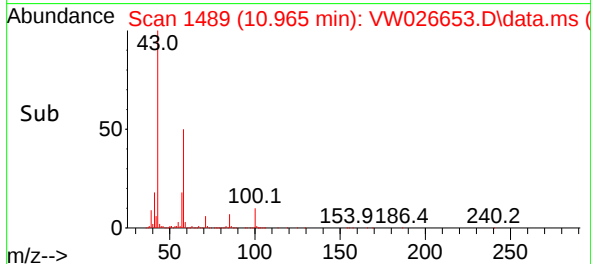
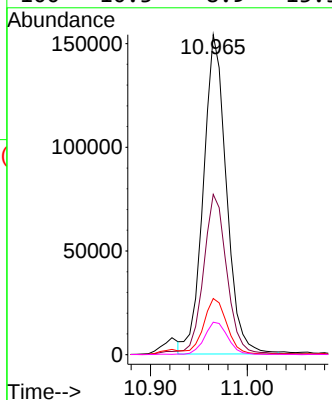
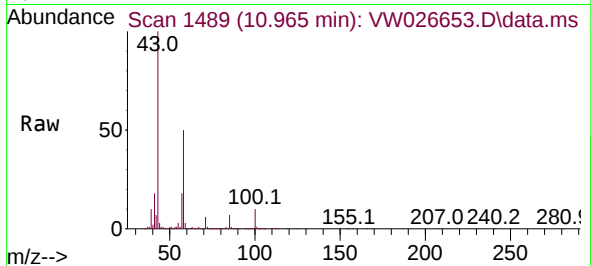




#48
2-Hexanone
Concen: 47.799 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

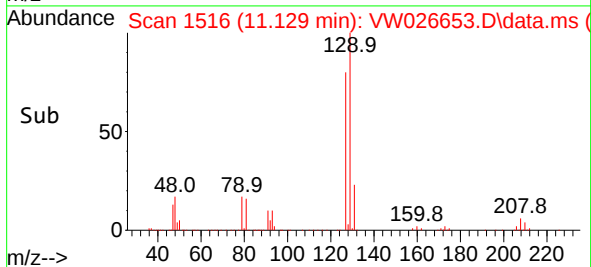
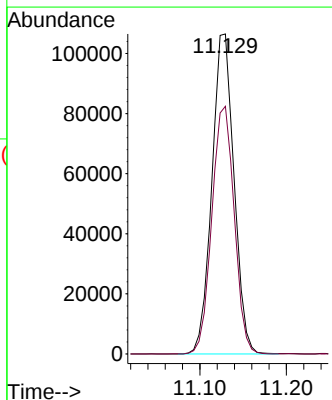
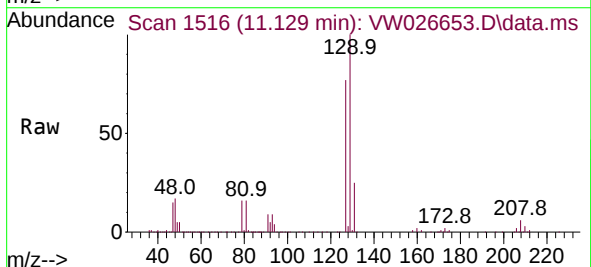
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

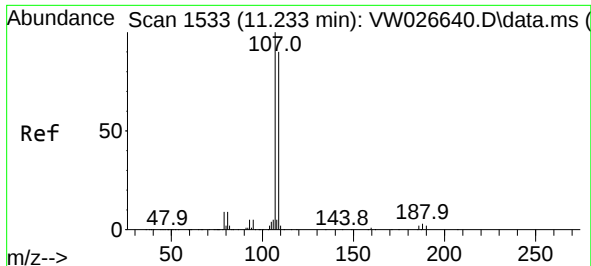
Tgt Ion:	43	Resp:	255550
Ion	Ratio	Lower	Upper
43	100		
58	50.3	42.1	63.1
57	17.5	14.8	22.2
100	10.3	8.9	13.3



#49
Dibromochloromethane
Concen: 26.959 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion:	129	Resp:	189095
Ion	Ratio	Lower	Upper
129	100		
127	77.4	51.2	95.2

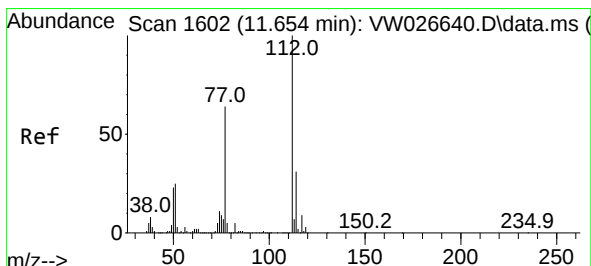
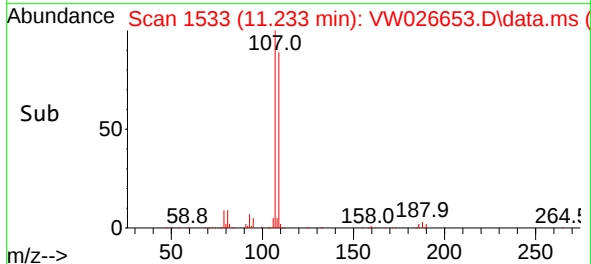
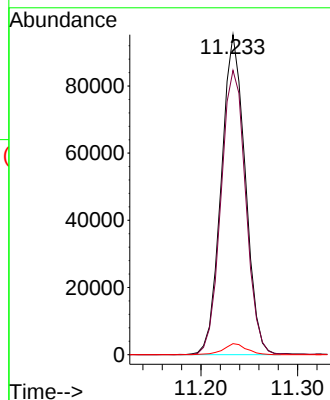
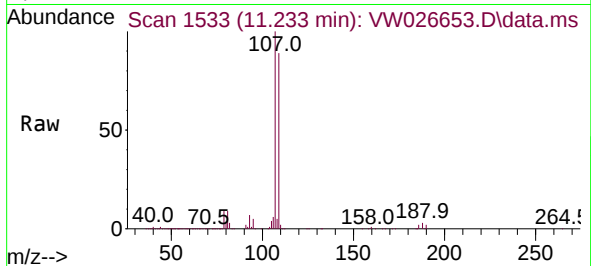




#50
1,2-Dibromoethane
Concen: 24.535 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

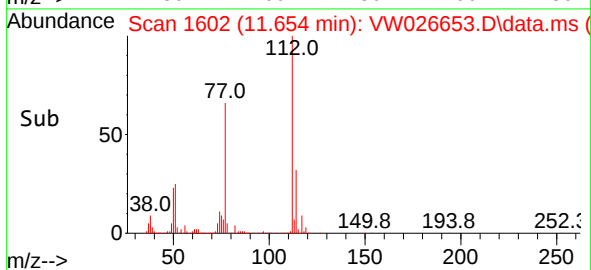
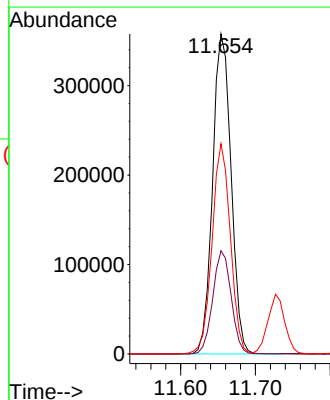
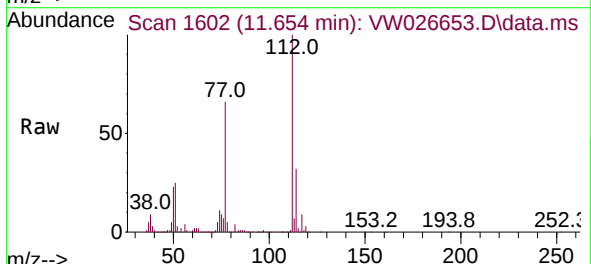
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

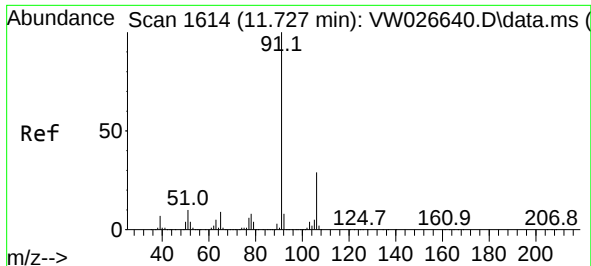
Tgt Ion:107 Resp: 163834
Ion Ratio Lower Upper
107 100
109 88.9 62.9 116.7
188 3.4 2.8 4.2



#51
Chlorobenzene
Concen: 25.947 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion:112 Resp: 614044
Ion Ratio Lower Upper
112 100
114 32.3 21.6 40.2
77 65.7 50.3 75.5

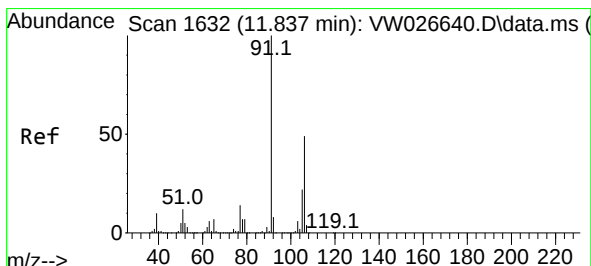
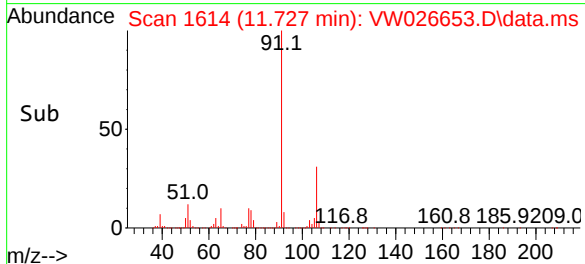
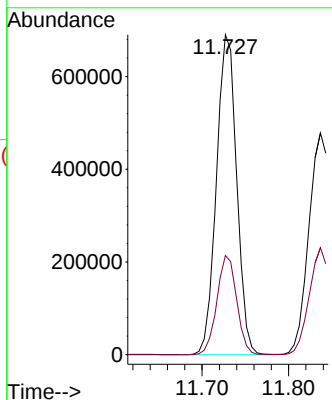
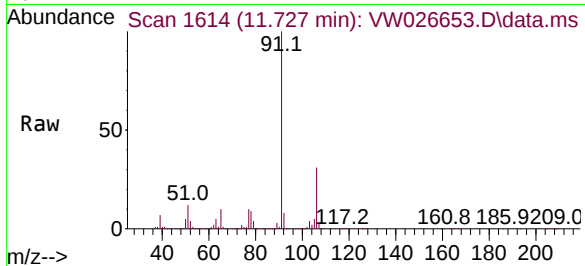




#52
Ethylbenzene
Concen: 26.066 ug/L
RT: 11.727 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

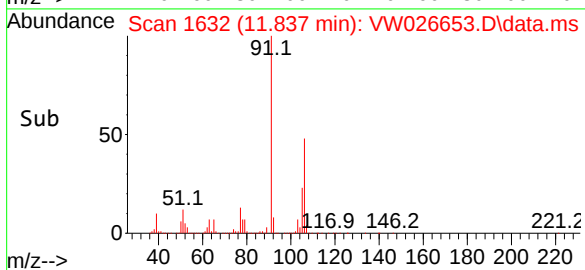
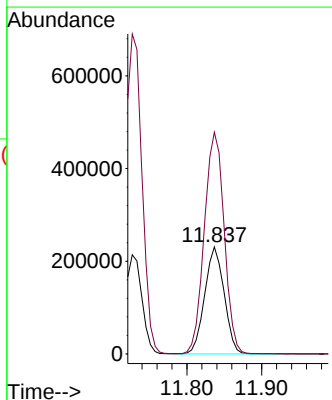
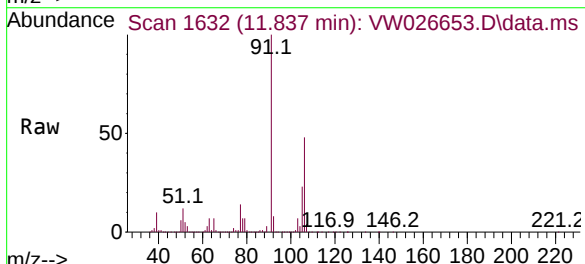
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

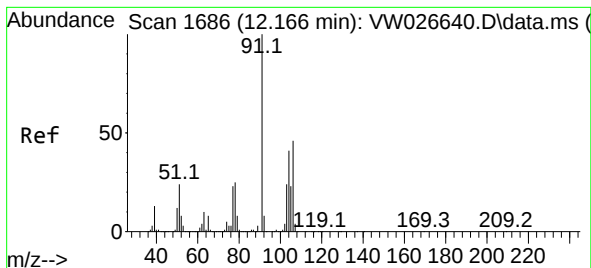
Tgt Ion: 91 Resp: 1120054
Ion Ratio Lower Upper
91 100
106 31.0 20.8 38.6



#53
m,p-Xylene
Concen: 26.692 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion:106 Resp: 417267
Ion Ratio Lower Upper
106 100
91 207.0 150.3 279.1

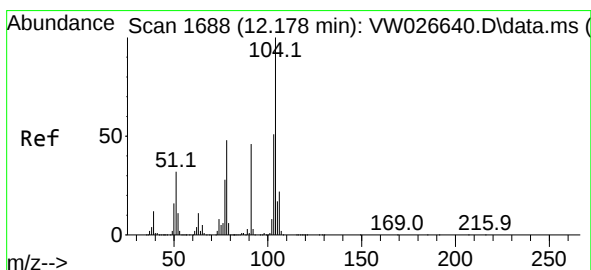
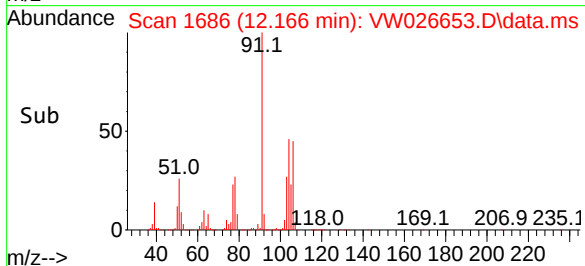
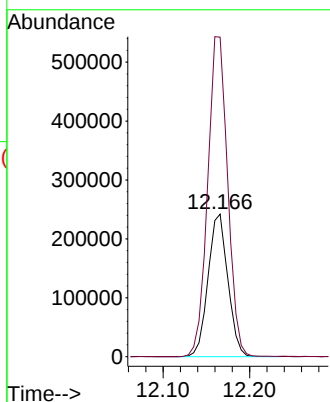
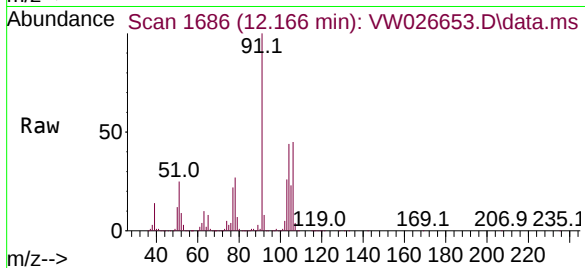




#54
o-Xylene
Concen: 26.219 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

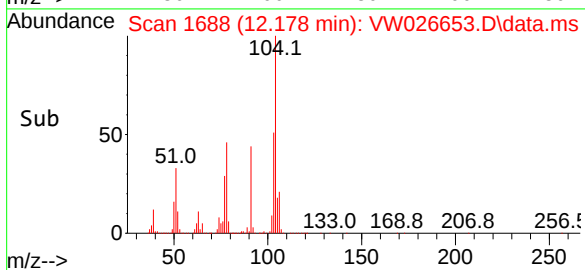
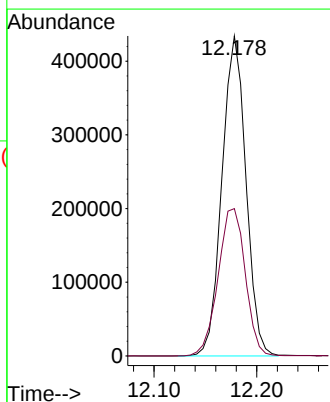
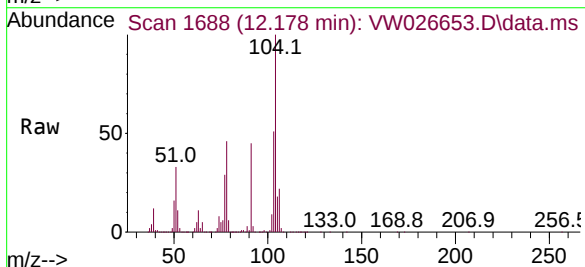
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

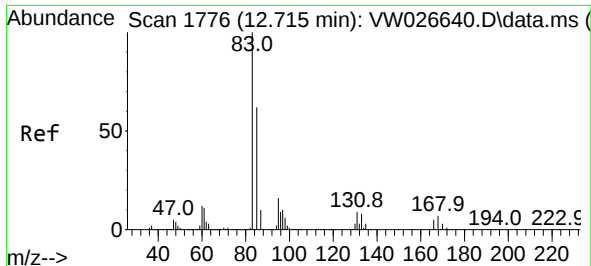
Tgt Ion:106 Resp: 384722
Ion Ratio Lower Upper
106 100
91 224.0 154.3 286.5



#55
Styrene
Concen: 28.380 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion:104 Resp: 702396
Ion Ratio Lower Upper
104 100
78 46.1 34.6 64.2





#57

1,1,2,2-Tetrachloroethane

Concen: 24.317 ug/L

RT: 12.708 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025569

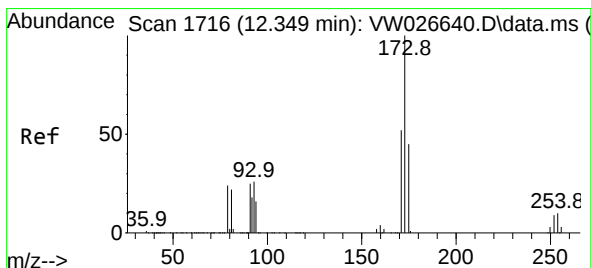
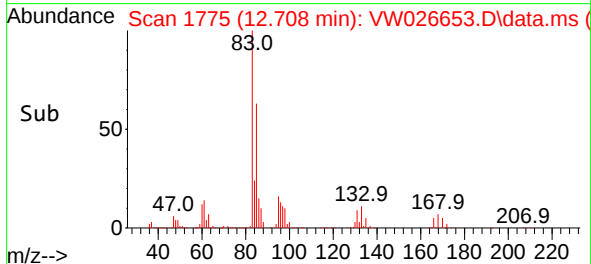
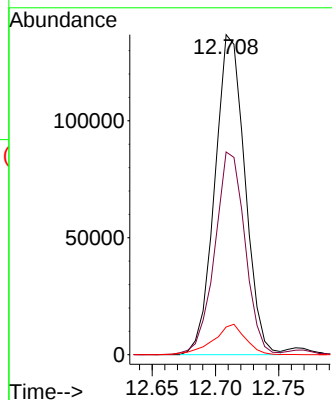
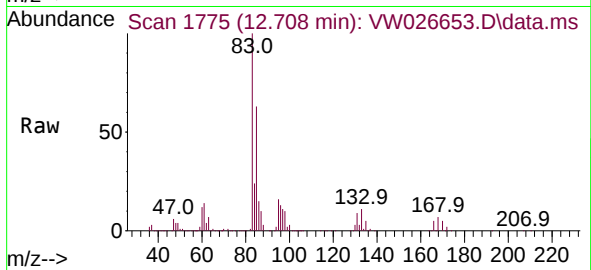
Tgt Ion: 83 Resp: 226067

Ion Ratio Lower Upper

83 100

85 63.4 46.2 85.8

131 8.6 7.2 10.8



#59

Bromoform

Concen: 24.222 ug/L

RT: 12.343 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

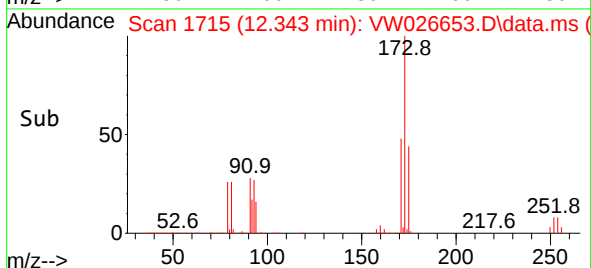
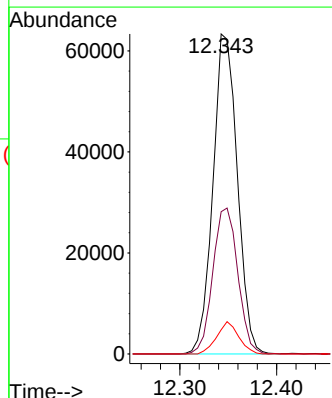
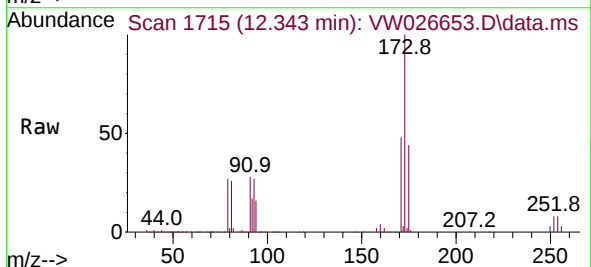
Tgt Ion:173 Resp: 111025

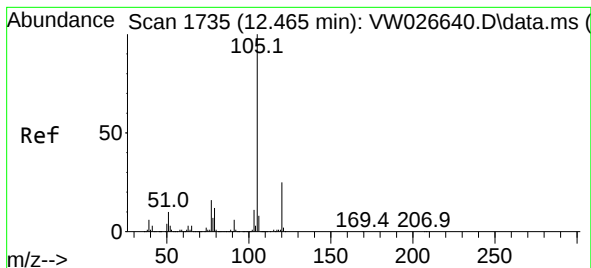
Ion Ratio Lower Upper

173 100

175 46.6 36.6 54.8

254 9.1 7.8 11.6





#60

Isopropylbenzene

Concen: 24.176 ug/L

RT: 12.459 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

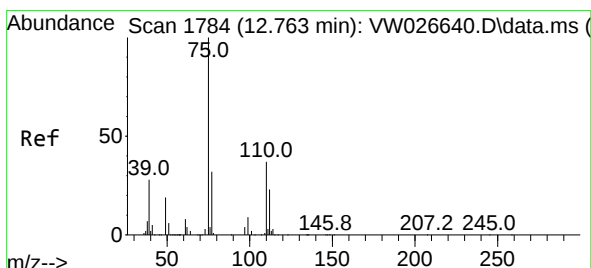
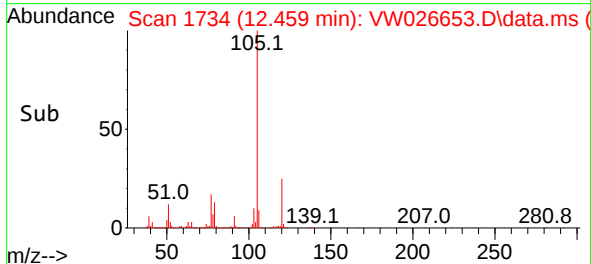
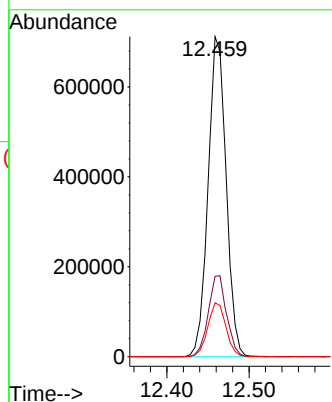
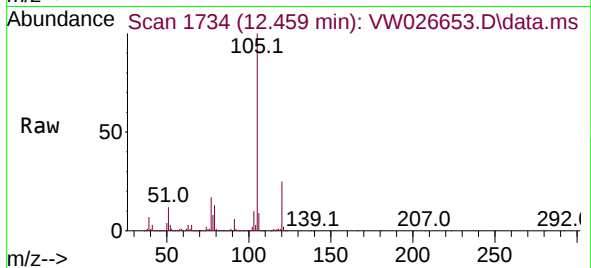
MSVOA_W

ClientSampleId :

VSTD025569

Tgt Ion:105 Resp: 1083984

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.5	30.7
77	16.9	13.4	20.2



#61

1,2,3-Trichloropropane

Concen: 20.614 ug/L

RT: 12.763 min Scan# 1784

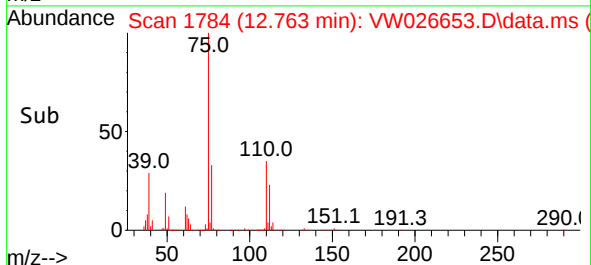
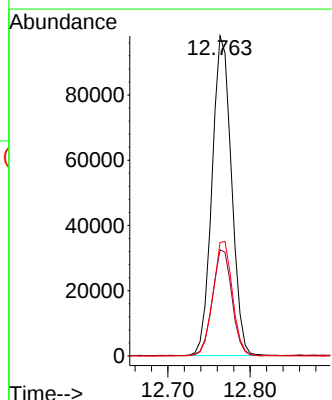
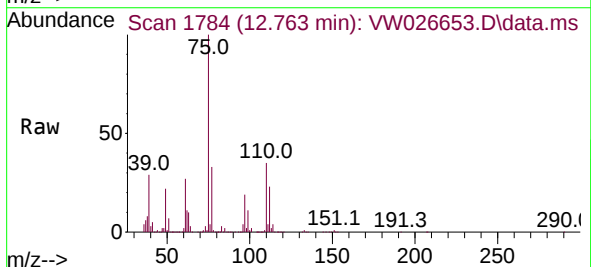
Delta R.T. 0.000 min

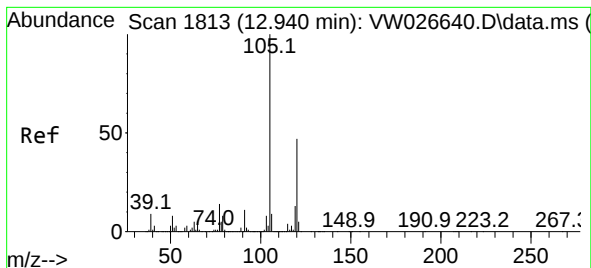
Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Tgt Ion: 75 Resp: 161360

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.7	38.5
110	35.8	28.3	42.5

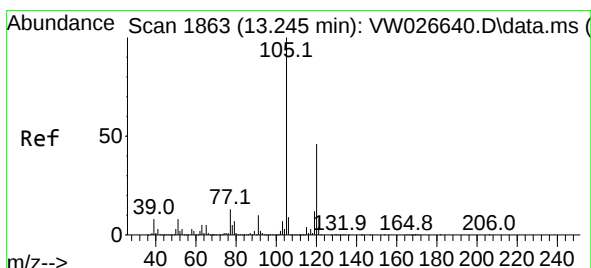
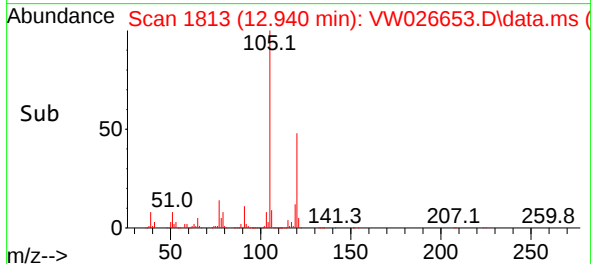
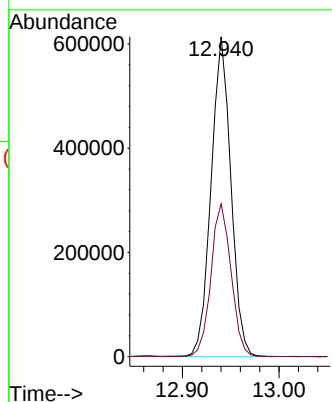
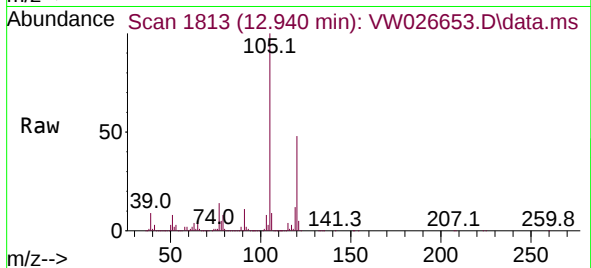




#62
1,3,5-Trimethylbenzene
Concen: 25.399 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

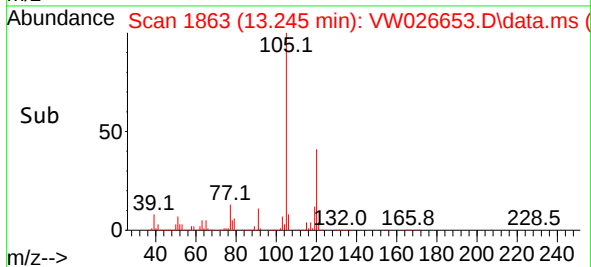
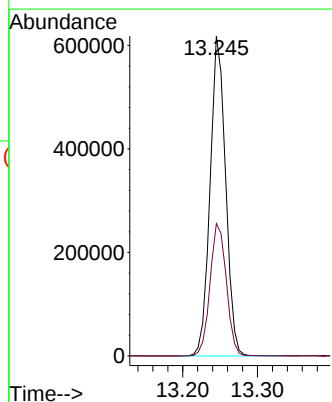
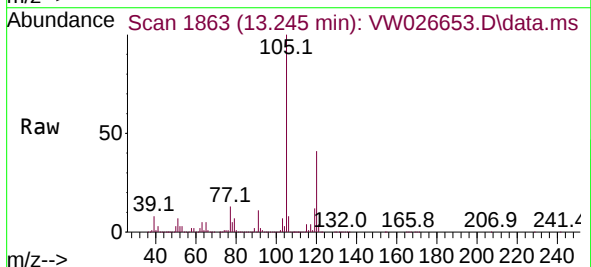
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

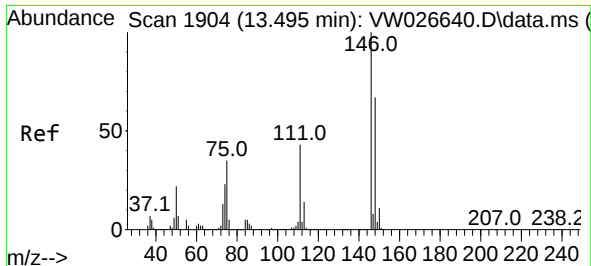
Tgt Ion:105 Resp: 873499
Ion Ratio Lower Upper
105 100
120 48.6 38.4 57.6



#63
1,2,4-Trimethylbenzene
Concen: 26.172 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion:105 Resp: 892393
Ion Ratio Lower Upper
105 100
120 43.6 35.2 52.8

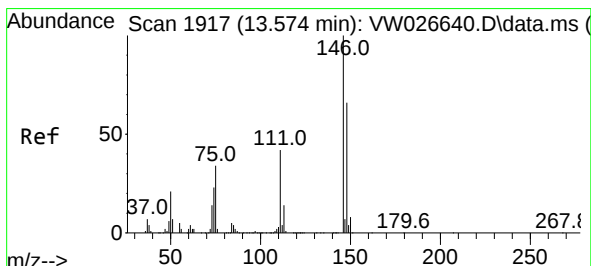
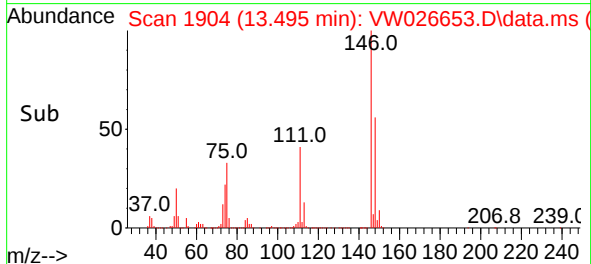
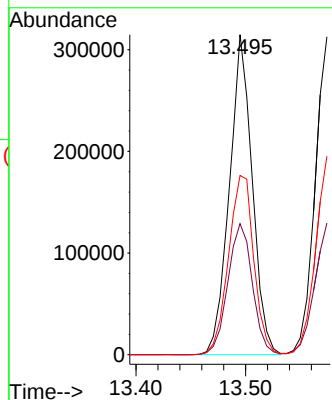
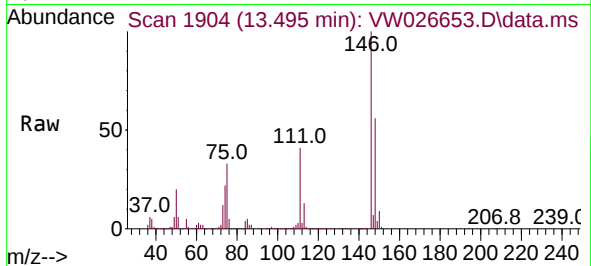




#64
1,3-Dichlorobenzene
Concen: 24.195 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

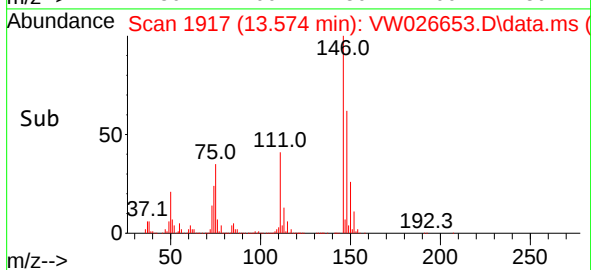
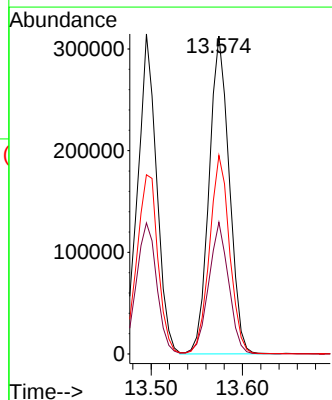
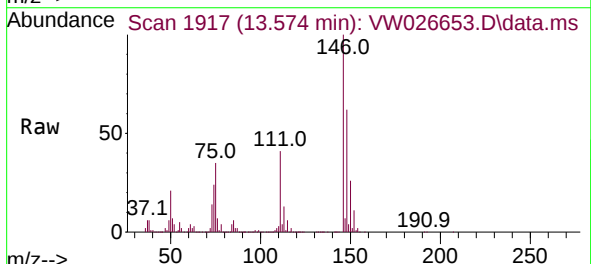
Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

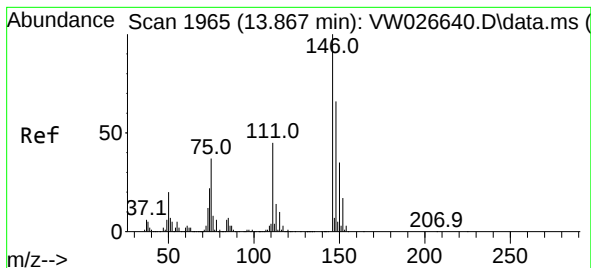
Tgt Ion:146 Resp: 455228
Ion Ratio Lower Upper
146 100
111 40.9 30.4 56.4
148 56.0 44.4 82.4



#65
1,4-Dichlorobenzene
Concen: 25.506 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion:146 Resp: 478591
Ion Ratio Lower Upper
146 100
111 41.4 29.7 55.1
148 62.5 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 25.040 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

Instrument :

MSVOA_W

ClientSampleId :

VSTD025569

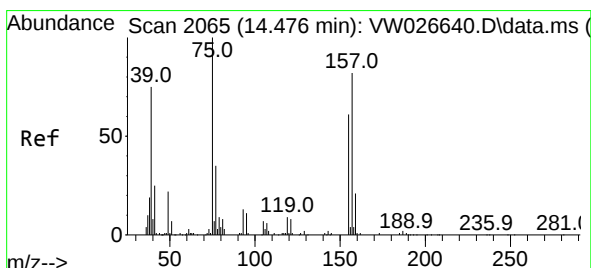
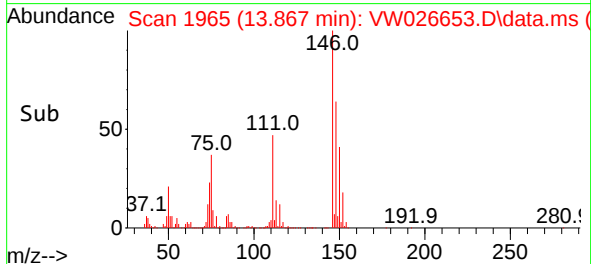
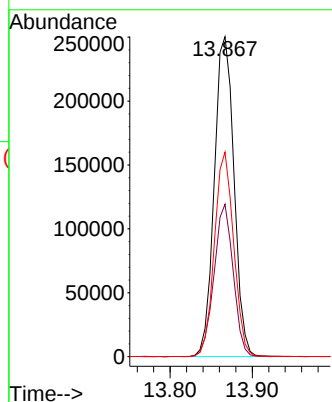
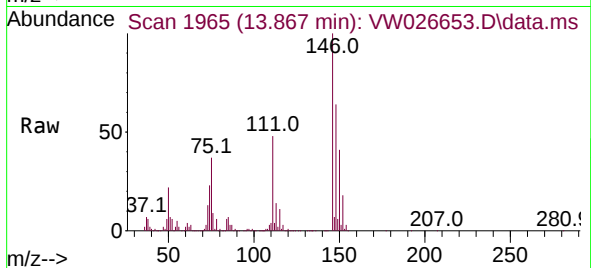
Tgt Ion:146 Resp: 416957

Ion Ratio Lower Upper

146 100

111 47.7 31.8 47.8

148 64.0 46.9 70.3



#68

1,2-Dibromo-3-chloropropane

Concen: 19.466 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW026653.D

Acq: 26 Jul 2023 09:07

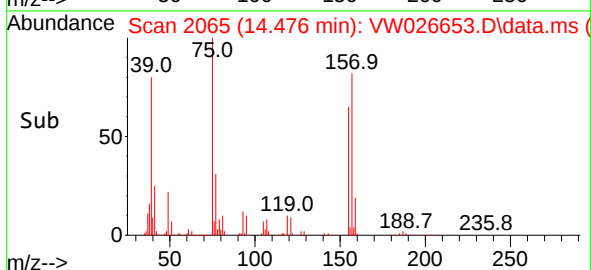
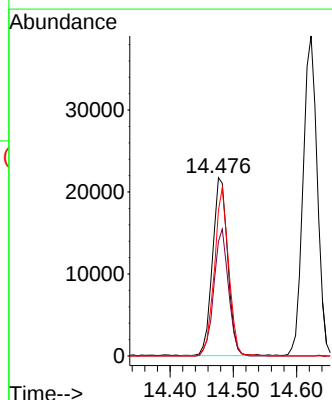
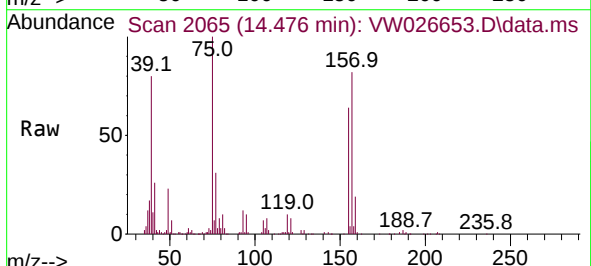
Tgt Ion: 75 Resp: 36266

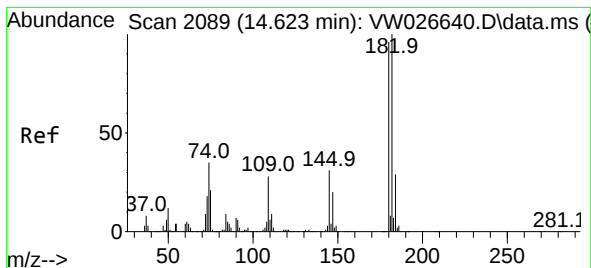
Ion Ratio Lower Upper

75 100

155 64.2 49.1 73.7

157 81.7 60.6 90.8

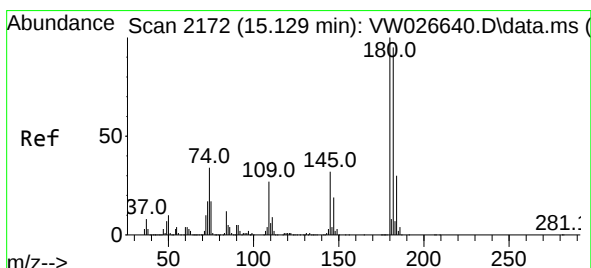
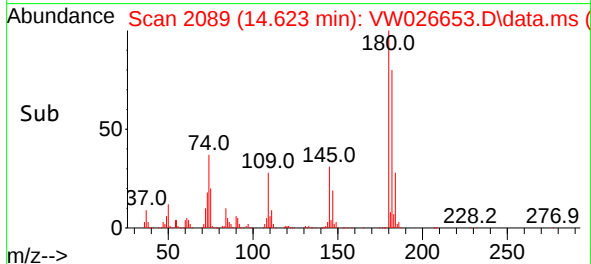
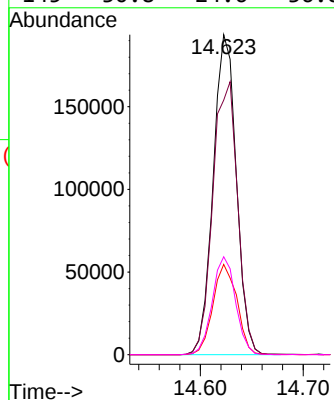
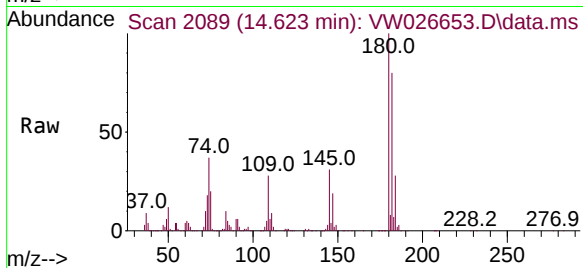




#69
 1,3,5-Trichlorobenzene
 Concen: 24.281 ug/L
 RT: 14.623 min Scan# 2089
 Delta R.T. 0.000 min
 Lab File: VW026653.D
 Acq: 26 Jul 2023 09:07

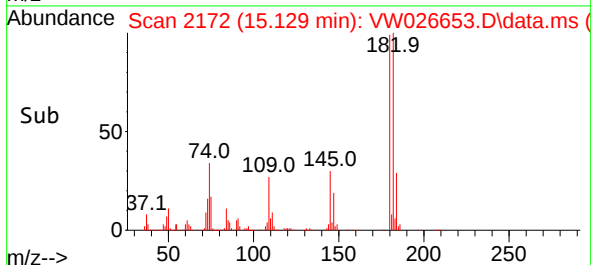
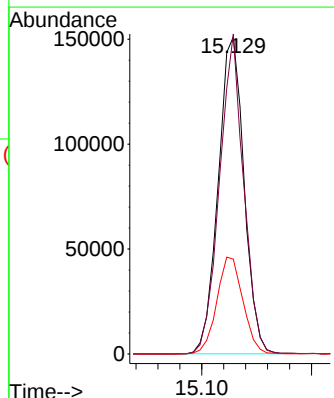
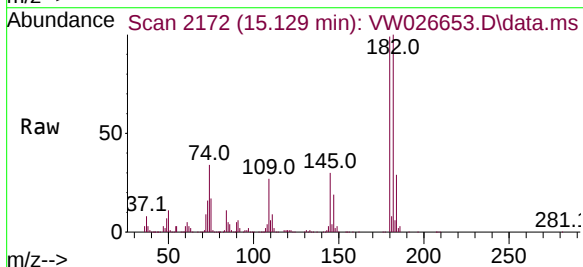
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025569

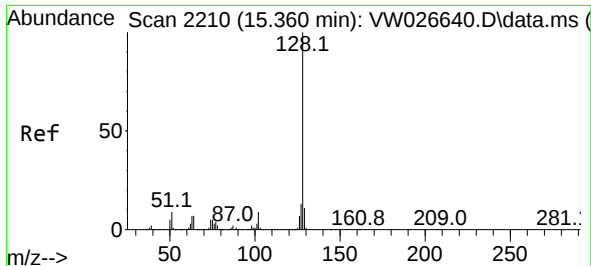
Tgt Ion:	180	Resp:	302316
Ion Ratio	Lower	Upper	
180	100		
182	91.6	75.8	113.6
184	29.4	23.7	35.5
145	30.8	24.6	36.8



#70
 1,2,4-trichlorobenzene
 Concen: 24.139 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.000 min
 Lab File: VW026653.D
 Acq: 26 Jul 2023 09:07

Tgt Ion:	180	Resp:	246644
Ion Ratio	Lower	Upper	
180	100		
182	94.4	73.5	110.3
145	31.1	25.0	37.6

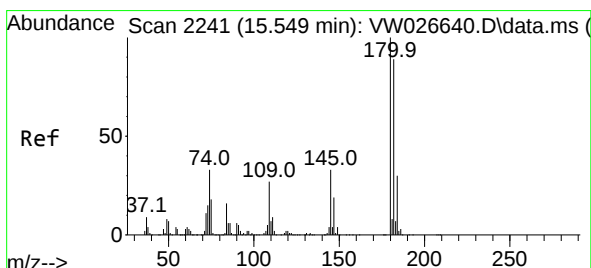
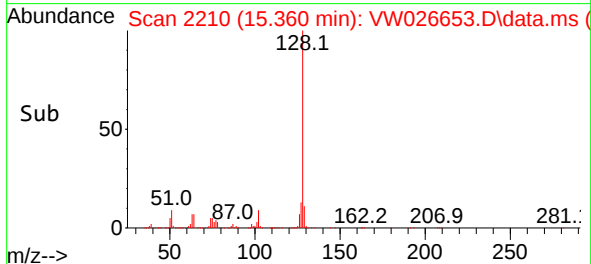
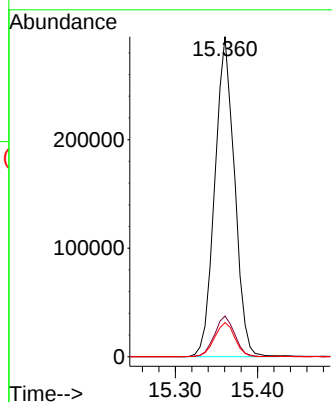
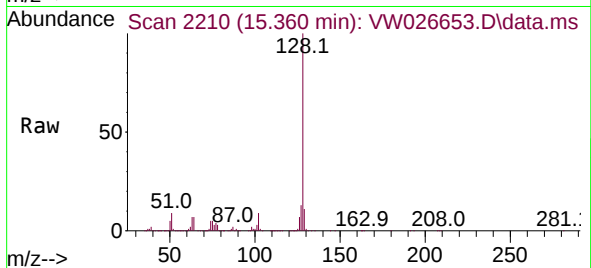




#71
Naphthalene
Concen: 21.231 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Instrument :
MSVOA_W
ClientSampleId :
VSTD025569

Tgt Ion:128 Resp: 491249
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 23.843 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VW026653.D
Acq: 26 Jul 2023 09:07

Tgt Ion:180 Resp: 229346
Ion Ratio Lower Upper
180 100
182 91.3 75.2 112.8
145 34.0 26.6 40.0

