

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052623\
 Data File : VW026075.D
 Acq On : 26 May 2023 17:56
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025501

Quant Time: May 26 23:20:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 26 23:14:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	681193	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	617077	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	296529	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	159838	16.558	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.240%
7) Chloroethane-d5	2.893	69	151737	21.203	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	4.021	65	84087	17.396	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.600%
21) 2-Butanone-d5	7.075	46	183213	57.413	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.820%
24) Chloroform-d	7.648	84	466764	23.763	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.040%
26) 1,2-Dichloroethane-d4	8.307	65	260665	23.468	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.880%
32) Benzene-d6	8.270	84	844484	20.944	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.760%
36) 1,2-Dichloropropane-d6	9.270	67	290891	22.548	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.200%
41) Toluene-d8	10.319	98	735943	20.468	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.880%
43) trans-1,3-Dichloroprop...	10.575	79	108404	20.730	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.920%
47) 2-Hexanone-d5	10.922	63	128059	58.212	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.420%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	257693	26.207	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.840%
66) 1,2-Dichlorobenzene-d4	13.848	152	251109	23.230	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	128105	16.833	ug/L	93
3) Chloromethane	2.223	50	235579	20.994	ug/L	99
5) Vinyl chloride	2.375	62	249476	21.480	ug/L	100
6) Bromomethane	2.783	94	145826	23.084	ug/L	94
8) Chloroethane	2.930	64	159619	24.169	ug/L	100
9) Trichlorofluoromethane	3.265	101	164305	18.745	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	204350	21.437	ug/L	96
12) 1,1-Dichloroethene	4.045	96	197113	21.636	ug/L	92
13) Acetone	4.112	43	101855	35.996	ug/L	99
14) Carbon disulfide	4.387	76	562565	18.260	ug/L	99
15) Methyl Acetate	4.661	43	131256	23.539	ug/L	100
16) Methylene chloride	4.917	84	245383	17.467	ug/L	91
17) trans-1,2-Dichloroethene	5.423	96	221261	22.263	ug/L	98
18) Methyl tert-butyl Ether	5.423	73	411495	27.280	ug/L	99
19) 1,1-Dichloroethane	6.216	63	491723	24.081	ug/L	98
20) cis-1,2-Dichloroethene	7.167	96	257529	24.153	ug/L	95
22) 2-Butanone	7.167	43	168490	43.124	ug/L	99
23) Bromochloromethane	7.514	128	104681	23.174	ug/L	98
25) Chloroform	7.673	83	463437	24.694	ug/L	100

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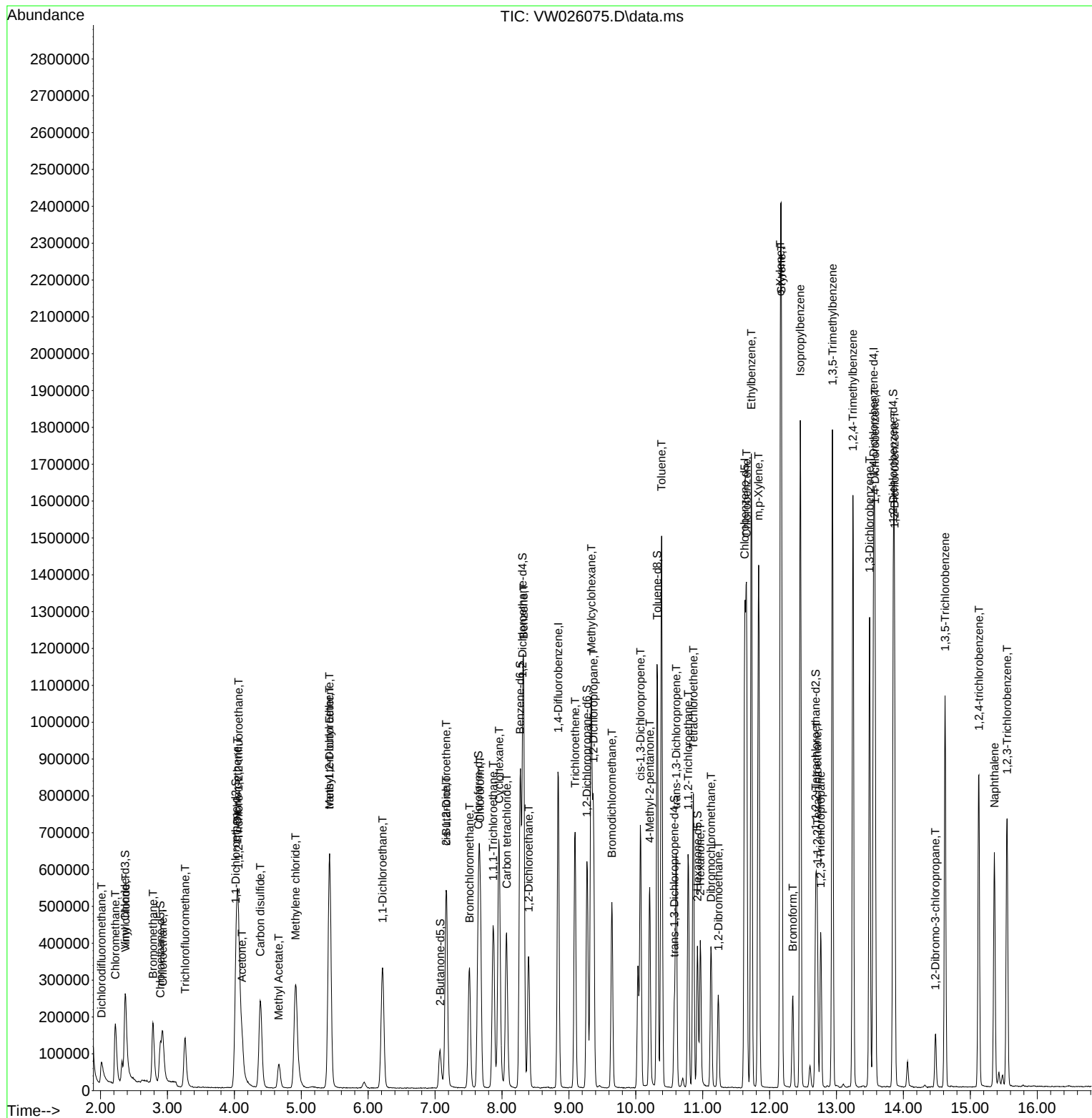
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	327906	24.602	ug/L	99
29) Cyclohexane	7.959	56	402301	21.038	ug/L	100
30) 1,1,1-Trichloroethane	7.868	97	358141	23.732	ug/L	99
31) Carbon tetrachloride	8.069	117	315739	23.248	ug/L	99
33) Benzene	8.325	78	999126	23.403	ug/L	100
34) Trichloroethene	9.093	95	248010	22.639	ug/L	99
35) Methylcyclohexane	9.337	83	409906	21.037	ug/L	99
37) 1,2-Dichloropropane	9.368	63	278662	23.824	ug/L	100
38) Bromodichloromethane	9.642	83	331728	24.720	ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	396255	23.101	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	384253	50.470	ug/L	100
42) Toluene	10.386	91	1024494	23.485	ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	335014	23.571	ug/L	100
45) 1,1,2-Trichloroethane	10.782	97	188829	24.134	ug/L	98
46) Tetrachloroethene	10.861	164	168445	21.856	ug/L	91
48) 2-Hexanone	10.965	43	263196	48.256	ug/L	98
49) Dibromochloromethane	11.123	129	195937	24.189	ug/L	99
50) 1,2-Dibromoethane	11.233	107	174222	24.154	ug/L	93
51) Chlorobenzene	11.654	112	644873	23.863	ug/L	95
52) Ethylbenzene	11.727	91	1161541	23.671	ug/L	100
53) m,p-Xylene	11.837	106	429320	23.772	ug/L	96
54) o-Xylene	12.160	106	412293	24.220	ug/L	98
55) Styrene	12.178	104	718694	24.667	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.715	83	236207	24.194	ug/L	99
59) Bromoform	12.349	173	107379	24.447	ug/L	97
60) Isopropylbenzene	12.458	105	1133578	25.149	ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	175374	25.025	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	912719	25.566	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	843507	25.604	ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	457374	23.572	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	475636	24.263	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	419419	24.238	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	39361	24.221	ug/L	88
69) 1,3,5-Trichlorobenzene	14.623	180	289651	22.489	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	256209	23.744	ug/L	100
71) Naphthalene	15.360	128	495432	24.326	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	215408	22.499	ug/L	94

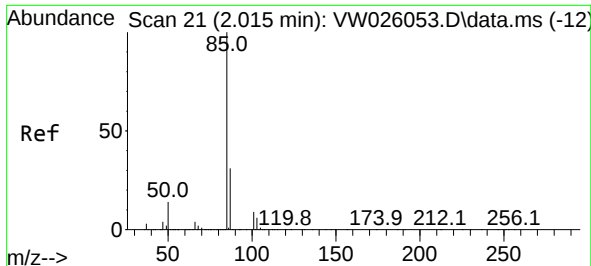
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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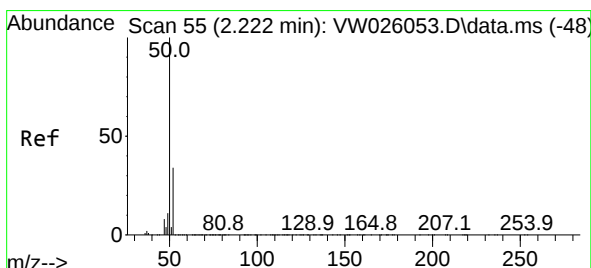
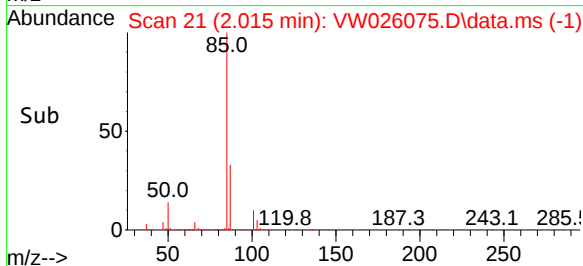
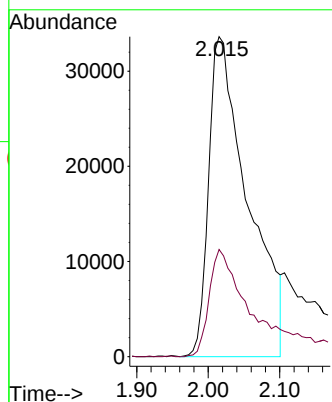
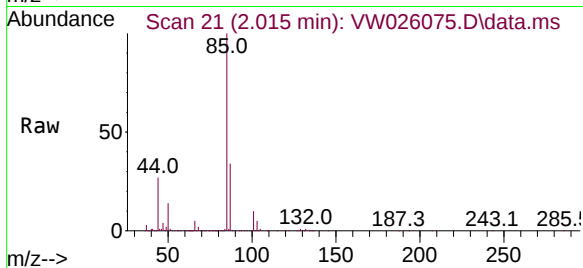




#2
Dichlorodifluoromethane
Concen: 16.833 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW026075.D
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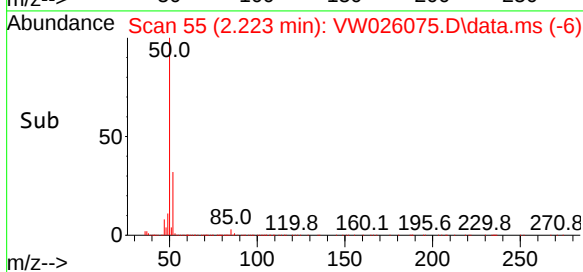
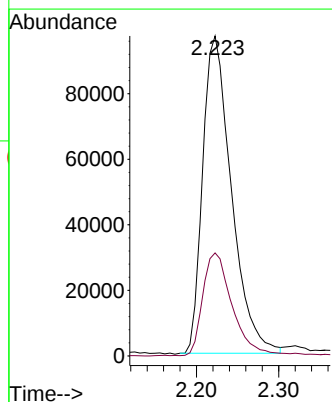
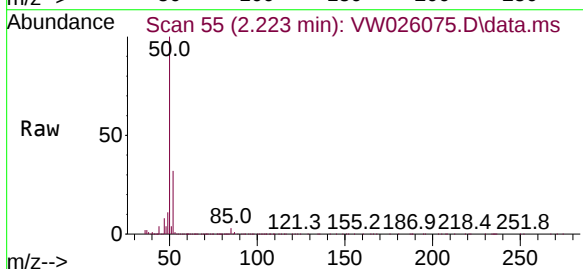
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

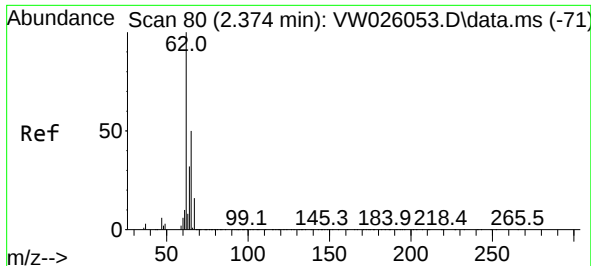
Tgt Ion: 85 Resp: 128105
Ion Ratio Lower Upper
85 100
87 27.3 24.7 37.1



#3
Chloromethane
Concen: 20.994 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 50 Resp: 235579
Ion Ratio Lower Upper
50 100
52 32.2 22.1 41.1

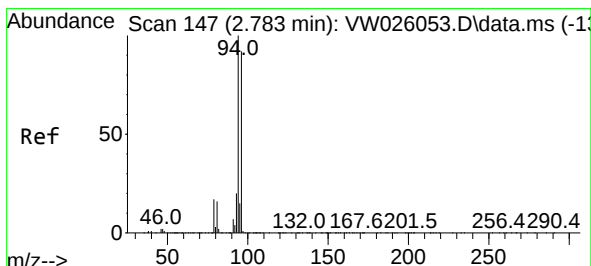
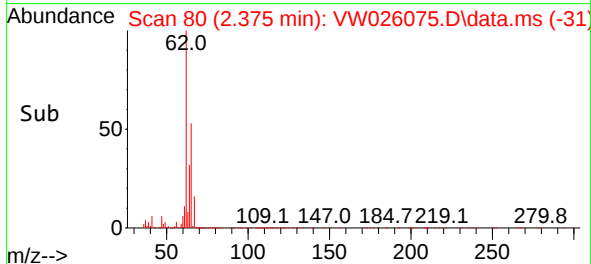
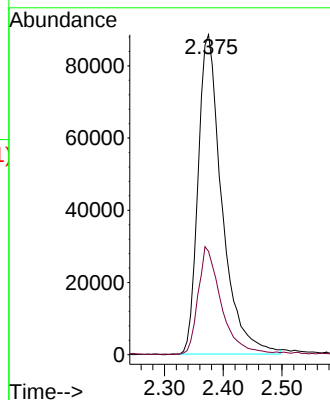
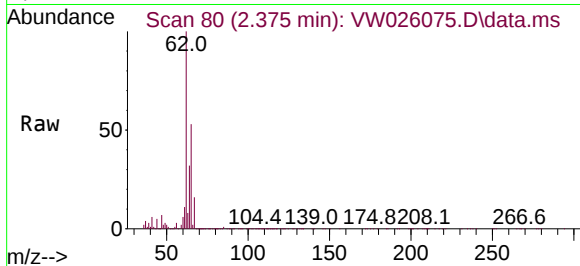




#5
 Vinyl chloride
 Concen: 21.480 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026075.D
 Acq: 26 May 2023 17:56

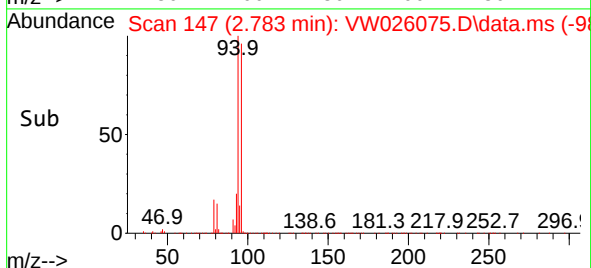
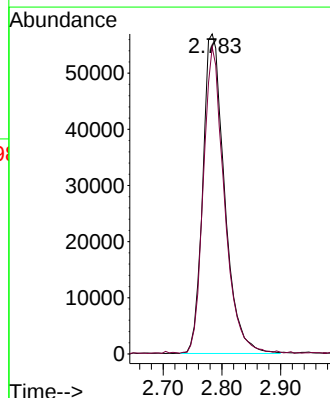
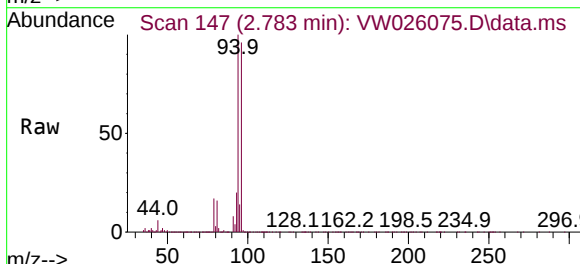
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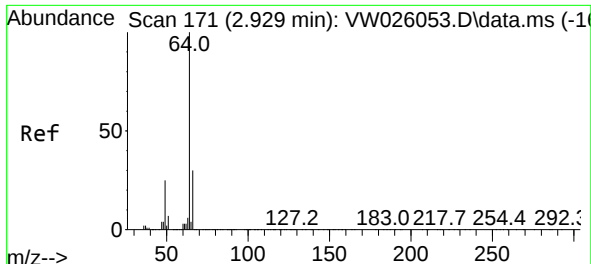
Tgt Ion: 62 Resp: 249476
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.7 42.3



#6
 Bromomethane
 Concen: 23.084 ug/L
 RT: 2.783 min Scan# 147
 Delta R.T. 0.000 min
 Lab File: VW026075.D
 Acq: 26 May 2023 17:56

Tgt Ion: 94 Resp: 145826
 Ion Ratio Lower Upper
 94 100
 96 95.9 63.1 117.1

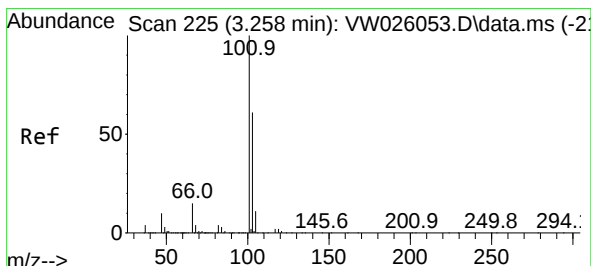
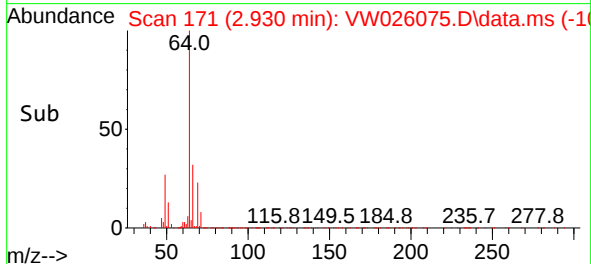
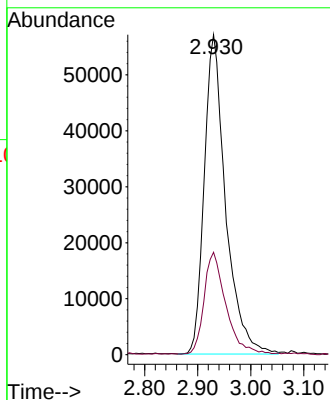
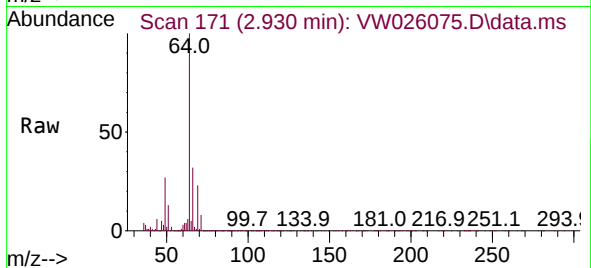




#8
Chloroethane
Concen: 24.169 ug/L
RT: 2.930 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

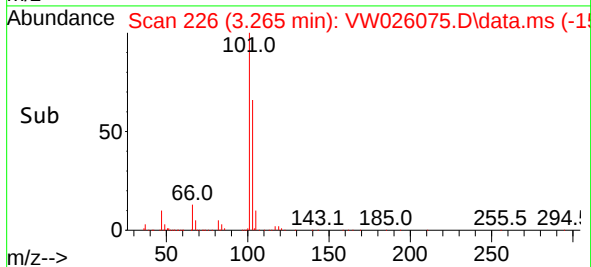
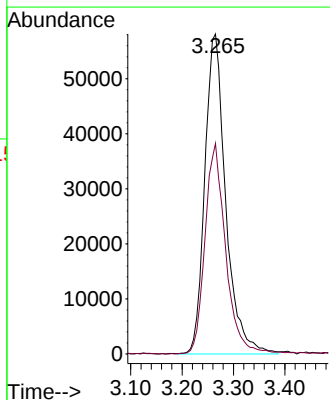
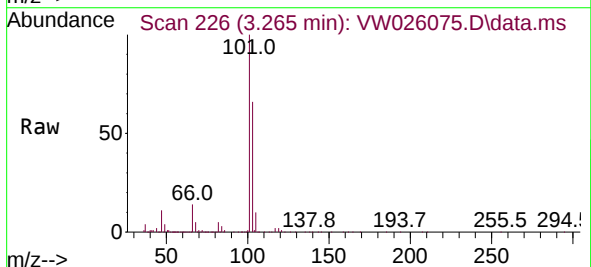
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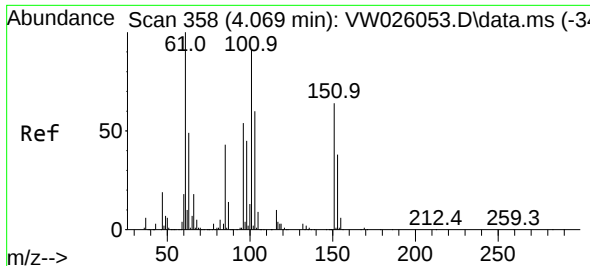
Tgt Ion: 64 Resp: 159619
Ion Ratio Lower Upper
64 100
66 32.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 18.745 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.006 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 101 Resp: 164305
Ion Ratio Lower Upper
101 100
103 64.8 50.6 76.0

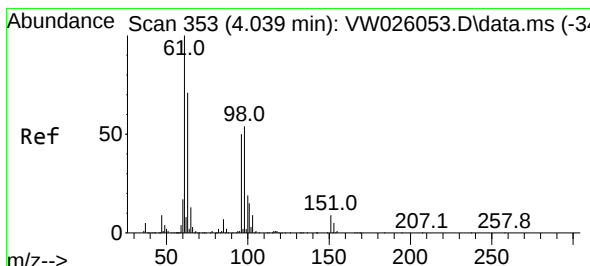
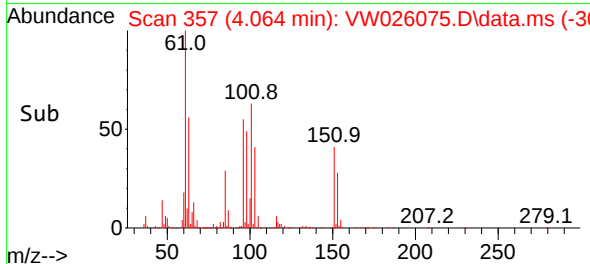
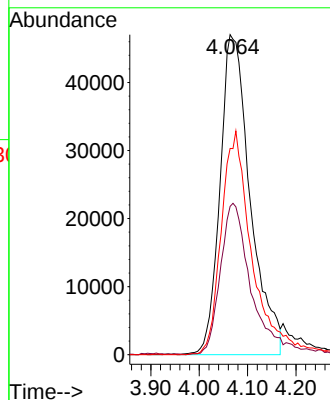
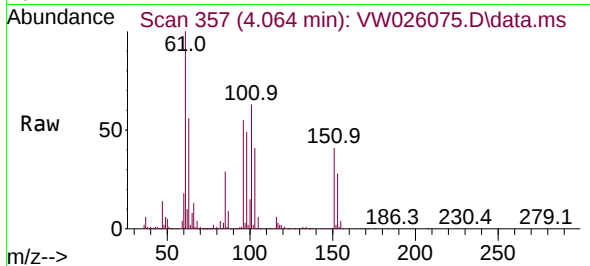




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 21.437 ug/L
RT: 4.064 min Scan# 358
Delta R.T. -0.006 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

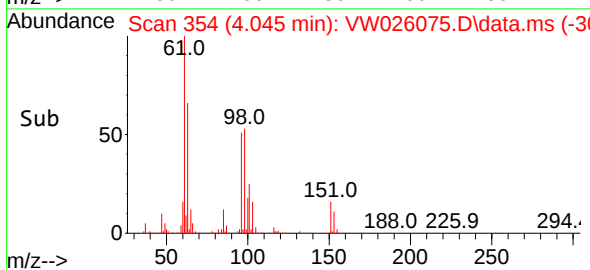
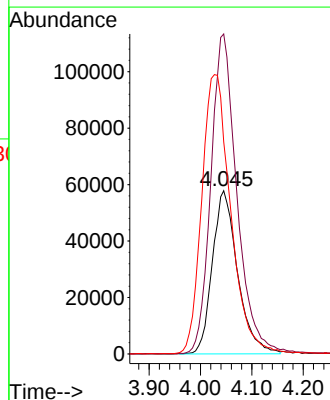
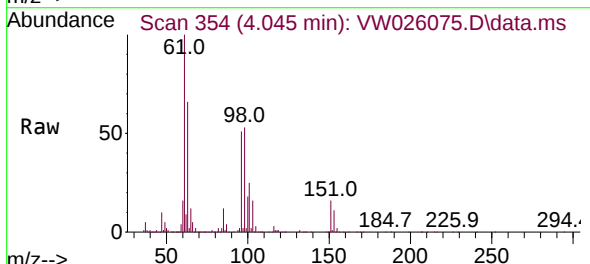
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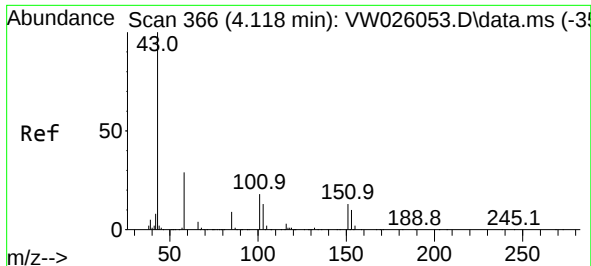
Tgt Ion:101 Resp: 204350
Ion Ratio Lower Upper
101 100
85 45.1 33.9 50.9
151 70.5 54.2 81.2



#12
1,1-Dichloroethene
Concen: 21.636 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.006 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 96 Resp: 197113
Ion Ratio Lower Upper
96 100
61 196.0 135.0 250.8
63 130.0 104.9 194.7

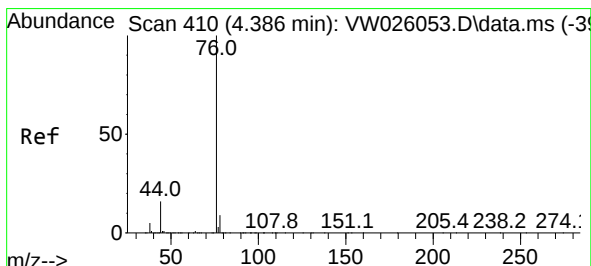
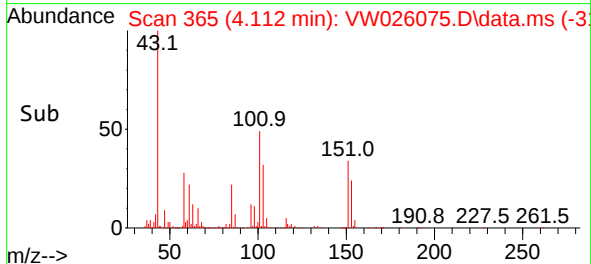
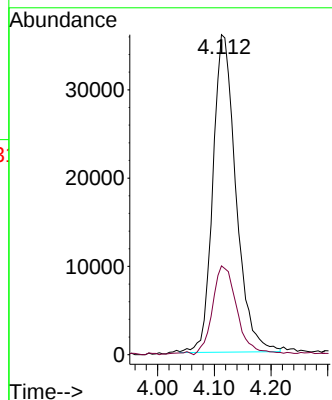
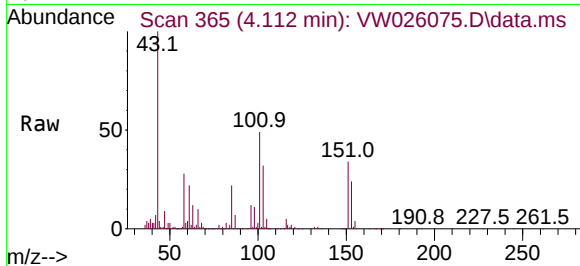




#13
Acetone
Concen: 35.996 ug/L
RT: 4.112 min Scan# 365
Delta R.T. -0.006 min
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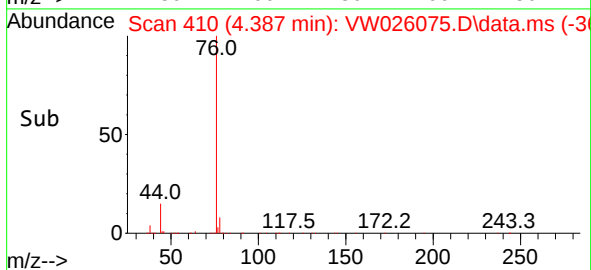
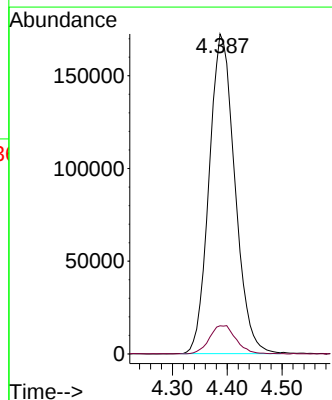
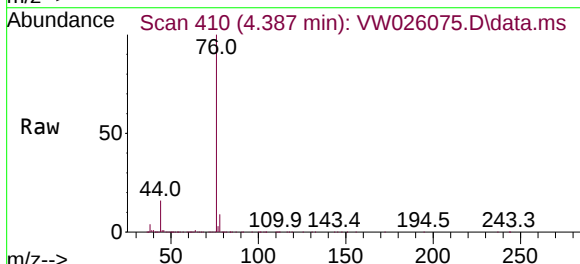
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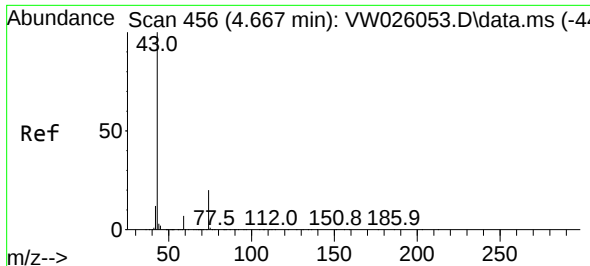
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Ion Ratio Lower Upper
43 100
58 29.7 0.0 58.2



#14
Carbon disulfide
Concen: 18.260 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 76 Resp: 562565
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

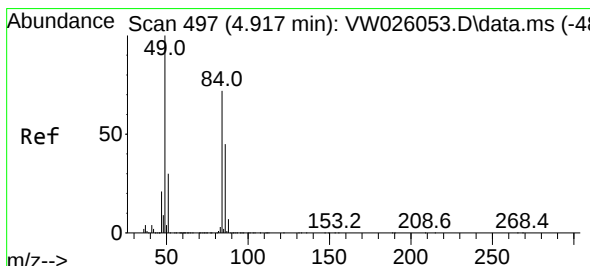
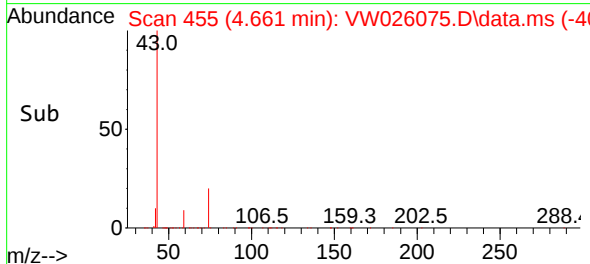
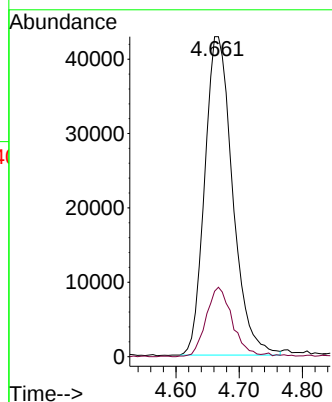
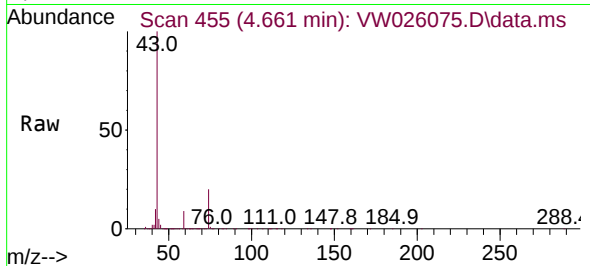




#15
Methyl Acetate
Concen: 23.539 ug/L
RT: 4.661 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

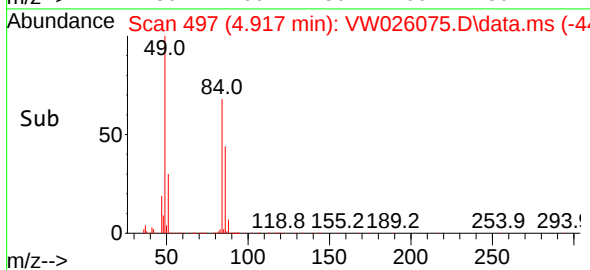
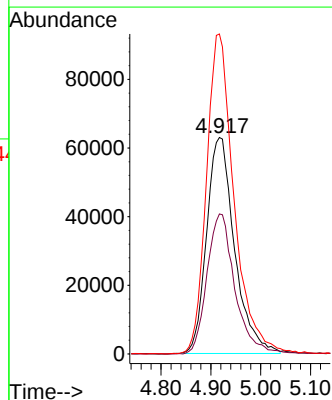
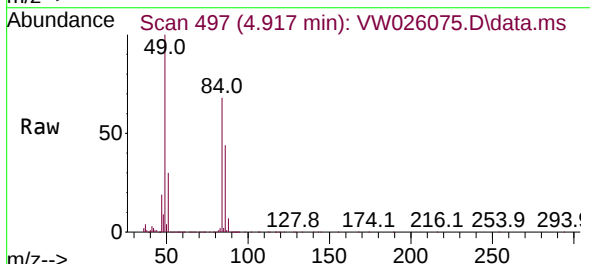
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

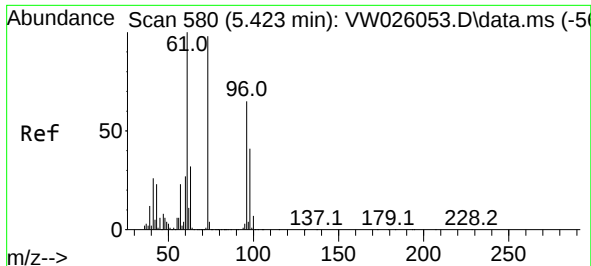
Tgt Ion: 43 Resp: 131256
Ion Ratio Lower Upper
43 100
74 20.4 16.5 24.7



#16
Methylene chloride
Concen: 17.467 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 84 Resp: 245383
Ion Ratio Lower Upper
84 100
86 64.6 41.7 77.5
49 147.8 95.3 177.1

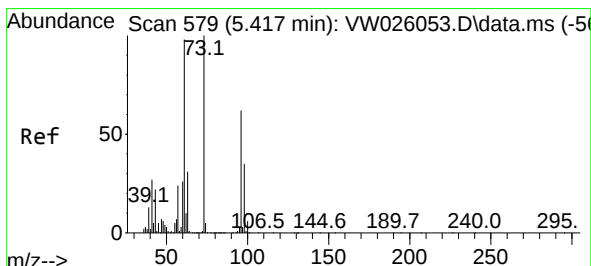
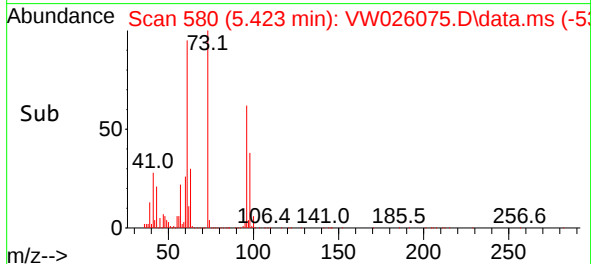
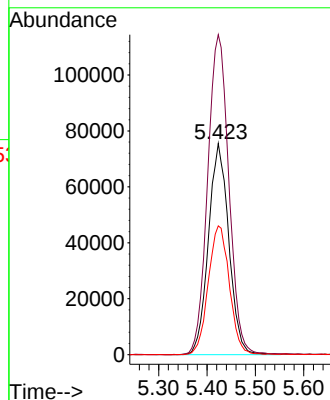
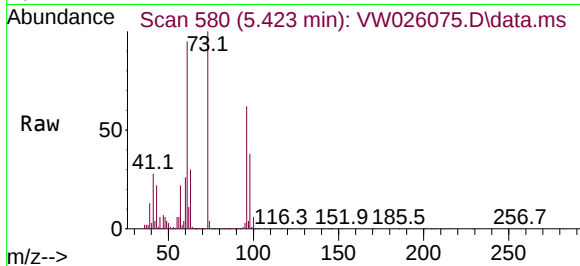




#17
trans-1,2-Dichloroethene
Concen: 22.263 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

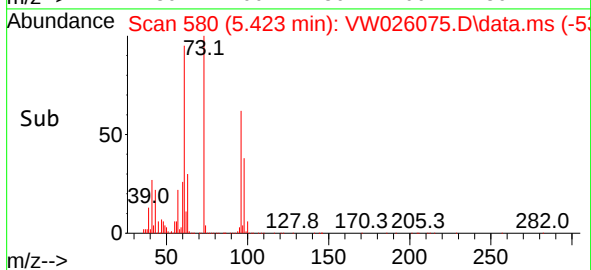
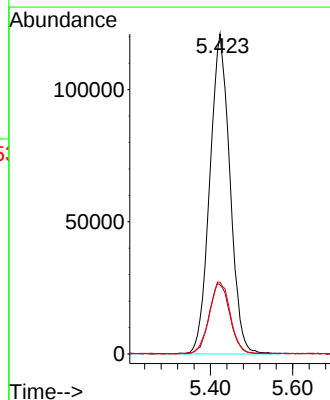
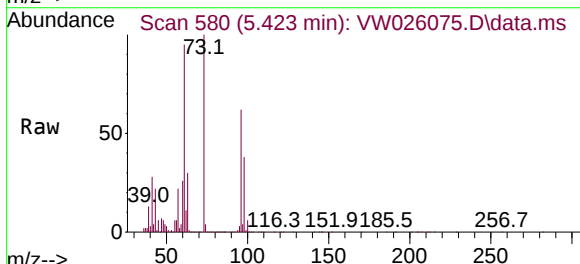
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

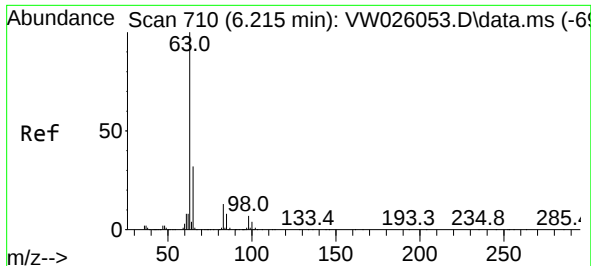
Tgt Ion: 96 Resp: 221261
Ion Ratio Lower Upper
96 100
61 151.5 108.1 200.9
98 61.0 44.0 81.8



#18
Methyl tert-butyl Ether
Concen: 27.280 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 73 Resp: 411495
Ion Ratio Lower Upper
73 100
43 22.6 18.2 27.4
57 23.4 19.2 28.8





#19

1,1-Dichloroethane

Concen: 24.081 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

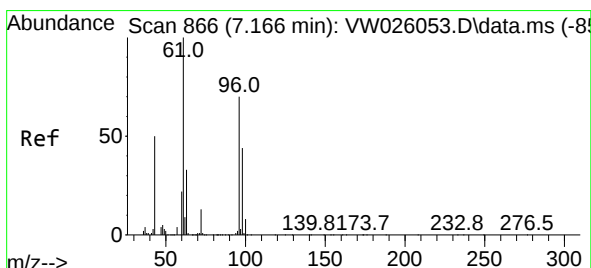
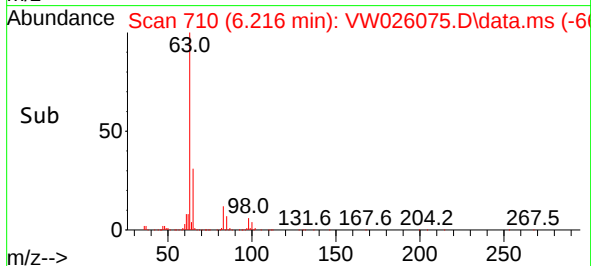
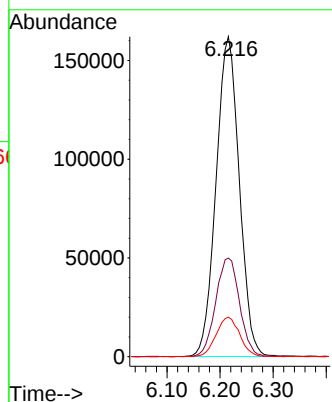
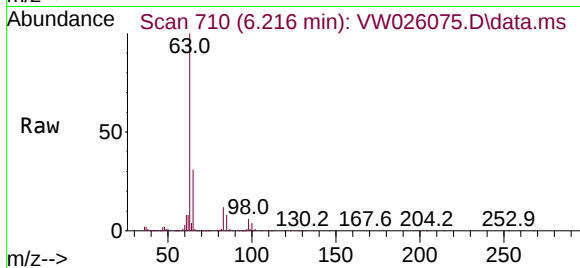
Tgt Ion: 63 Resp: 491723

Ion Ratio Lower Upper

63 100

65 30.8 22.4 41.6

83 12.4 8.7 16.1



#20

cis-1,2-Dichloroethene

Concen: 24.153 ug/L

RT: 7.167 min Scan# 866

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

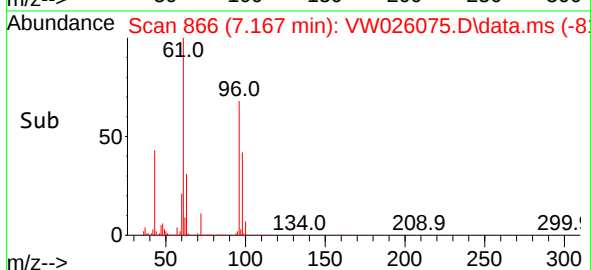
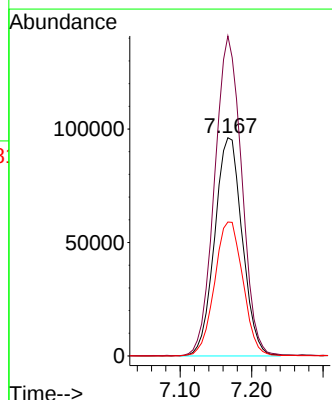
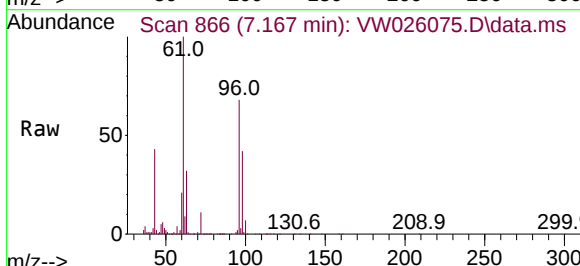
Tgt Ion: 96 Resp: 257529

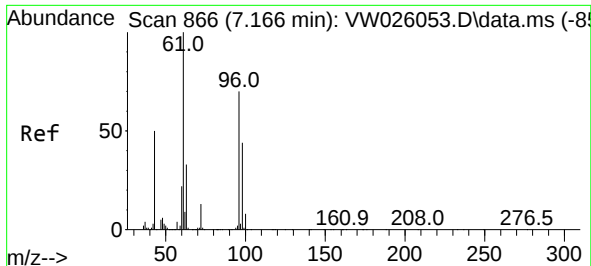
Ion Ratio Lower Upper

96 100

61 146.6 98.6 183.0

98 61.4 45.2 84.0

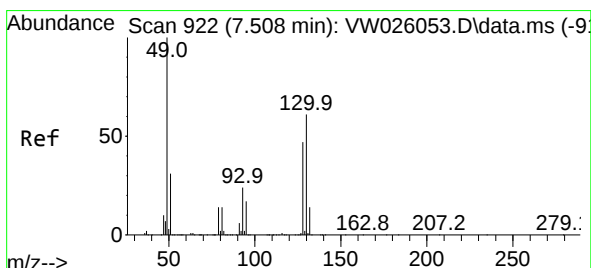
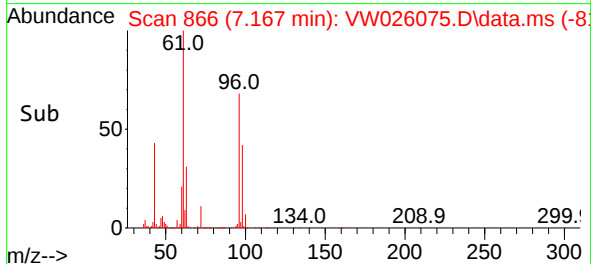
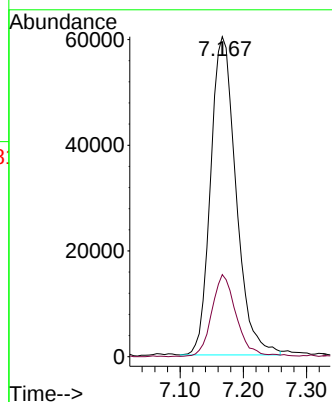
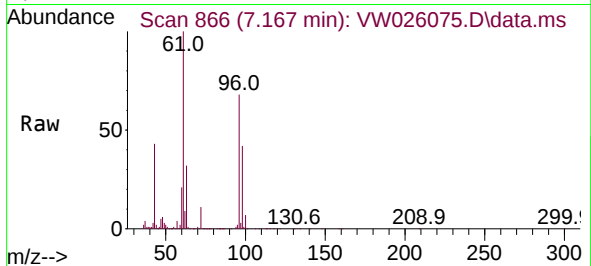




#22
2-Butanone
Concen: 43.124 ug/L
RT: 7.167 min Scan# 866
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

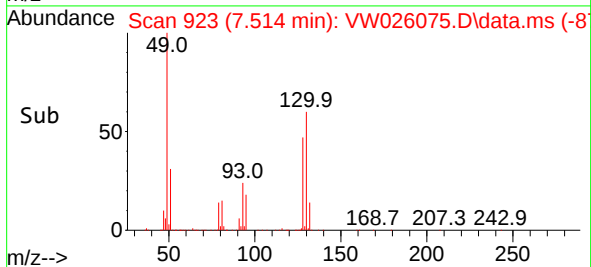
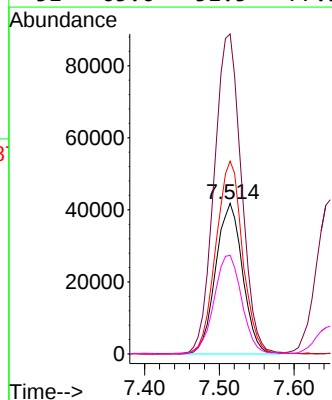
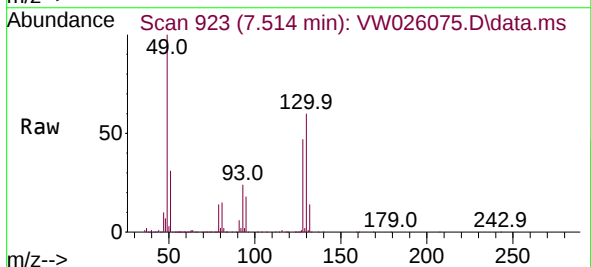
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

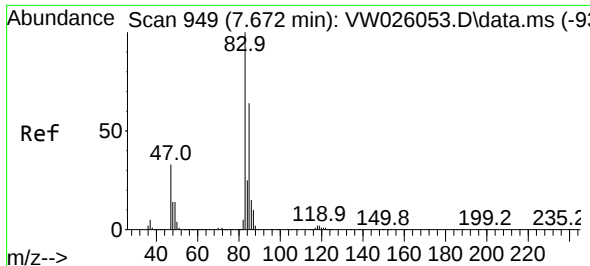
Tgt Ion: 43 Resp: 168490
Ion Ratio Lower Upper
43 100
72 24.3 11.8 35.4



#23
Bromochloromethane
Concen: 23.174 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.007 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 128 Resp: 104681
Ion Ratio Lower Upper
128 100
49 212.6 151.5 281.5
130 128.1 91.3 169.6
51 65.6 51.5 77.3

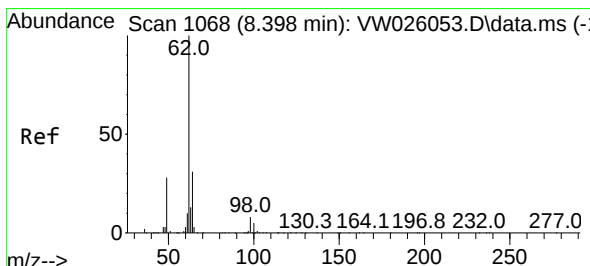
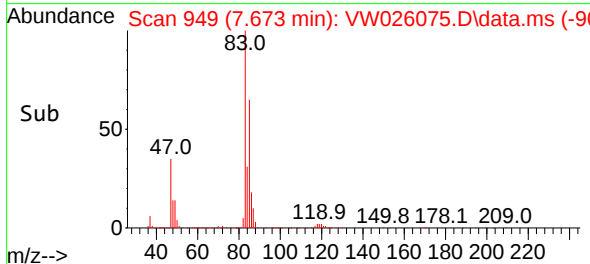
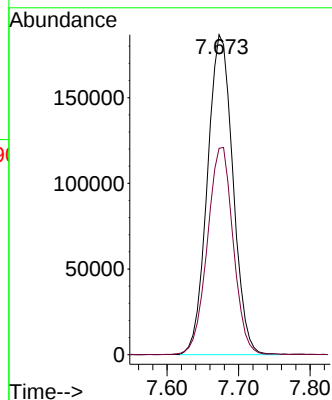
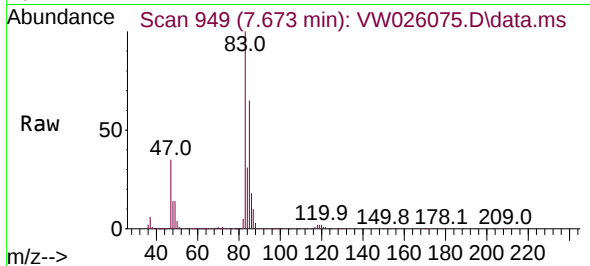




#25
Chloroform
Concen: 24.694 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

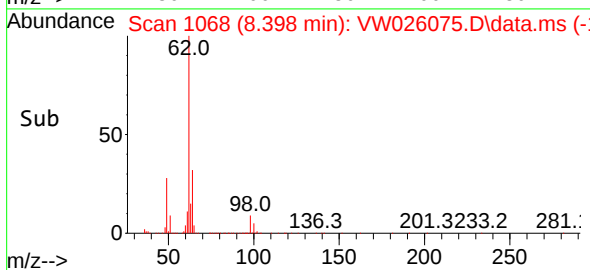
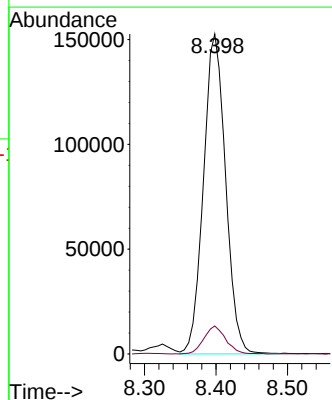
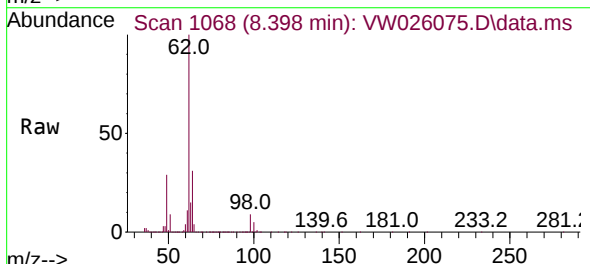
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

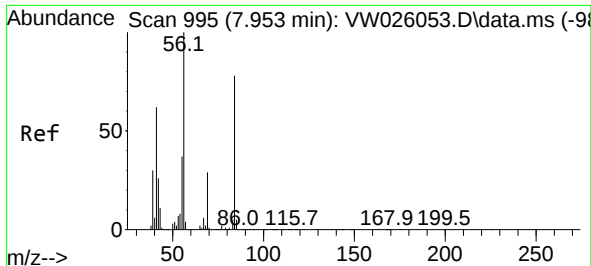
Tgt Ion: 83 Resp: 463437
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 24.602 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 62 Resp: 327906
Ion Ratio Lower Upper
62 100
98 8.7 7.2 10.8





#29

Cyclohexane

Concen: 21.038 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.007 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

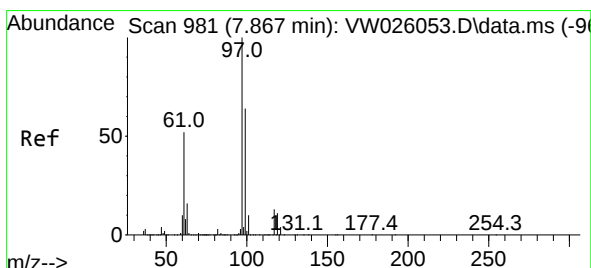
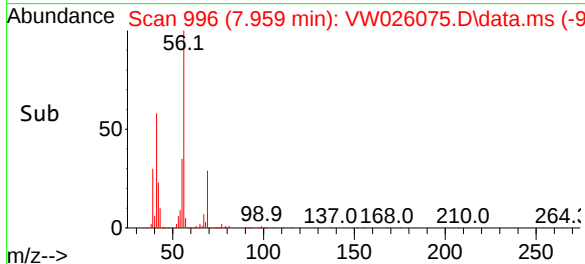
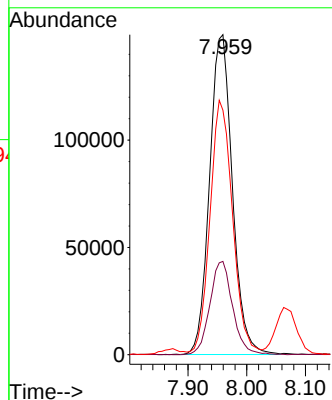
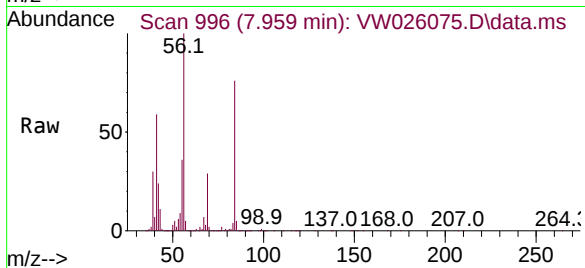
Tgt Ion: 56 Resp: 402301

Ion Ratio Lower Upper

56 100

69 29.0 23.4 35.0

84 78.9 63.3 94.9



#30

1,1,1-Trichloroethane

Concen: 23.732 ug/L

RT: 7.868 min Scan# 981

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

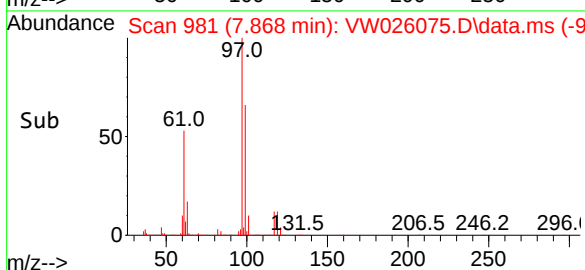
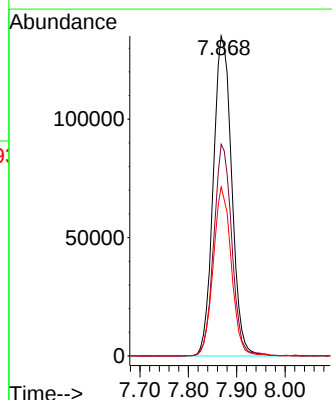
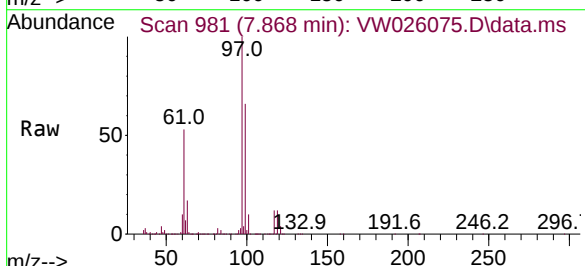
Tgt Ion: 97 Resp: 358141

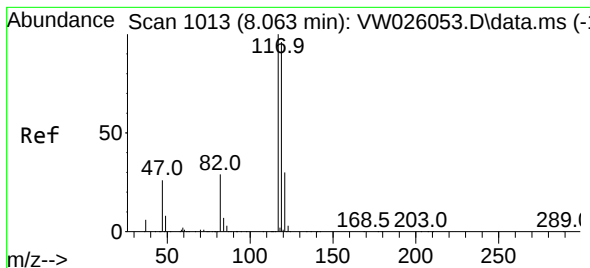
Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 51.3 40.4 60.6





#31

Carbon tetrachloride

Concen: 23.248 ug/L

RT: 8.069 min Scan# 1013

Delta R.T. 0.007 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

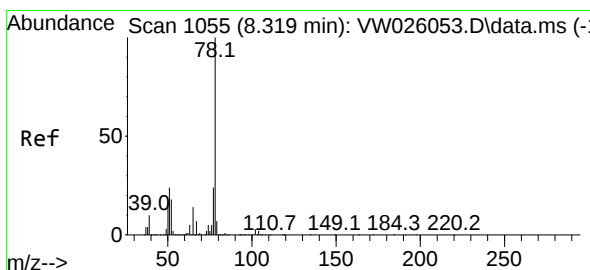
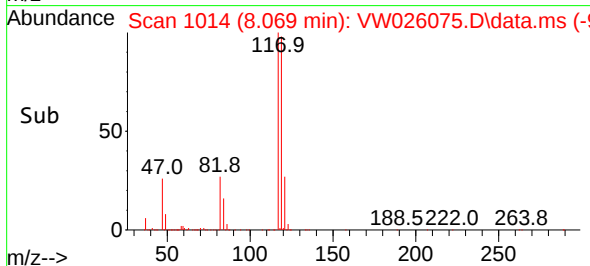
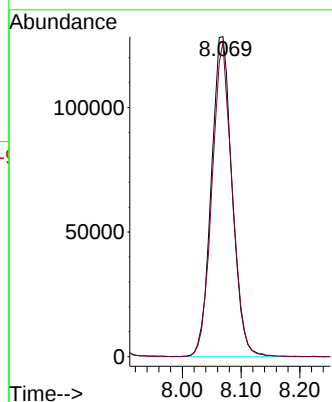
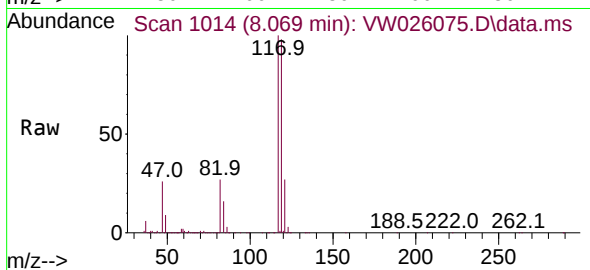
VSTD025501

Tgt Ion:117 Resp: 315739

Ion Ratio Lower Upper

117 100

119 95.0 76.9 115.3



#33

Benzene

Concen: 23.403 ug/L

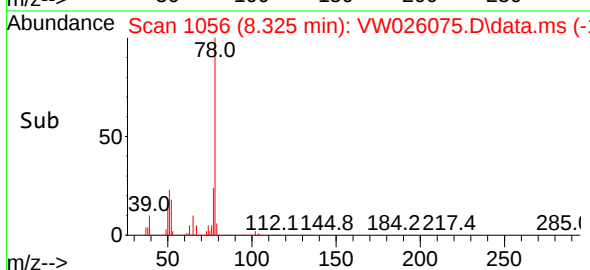
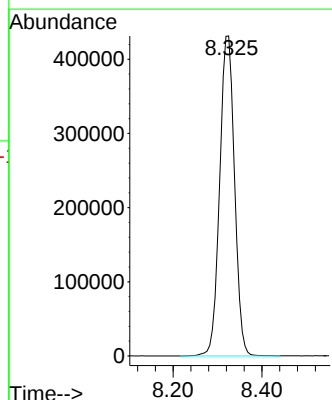
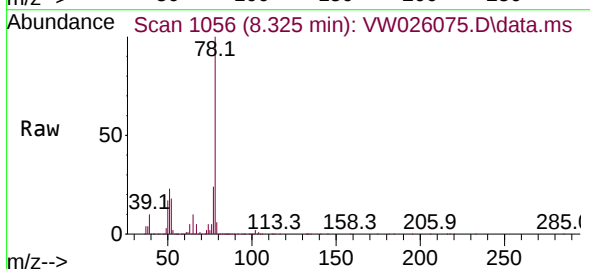
RT: 8.325 min Scan# 1056

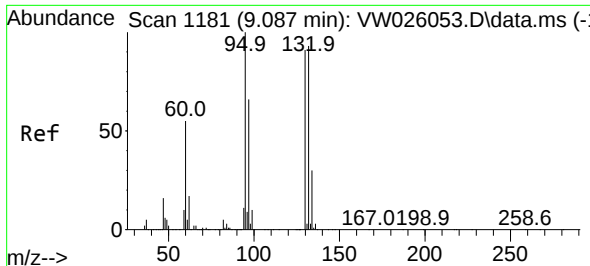
Delta R.T. 0.006 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Tgt Ion: 78 Resp: 999126

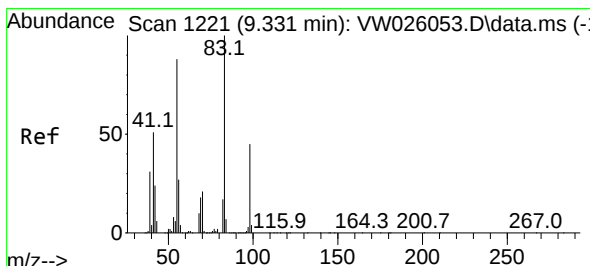
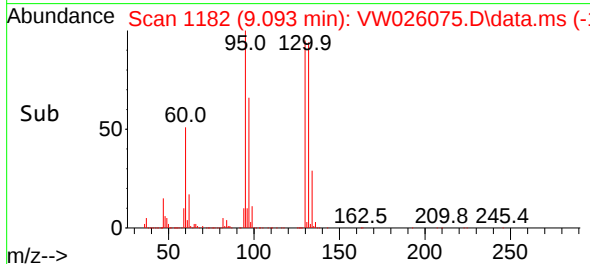
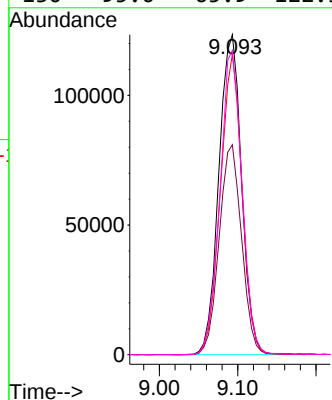
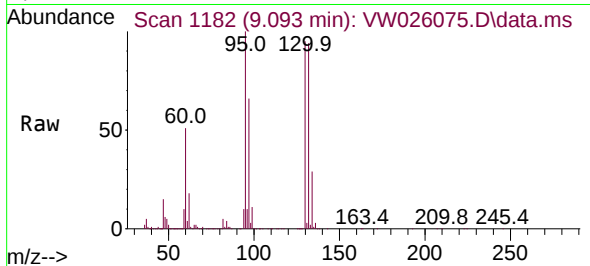




#34
Trichloroethene
Concen: 22.639 ug/L
RT: 9.093 min Scan# 1181
Delta R.T. 0.007 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

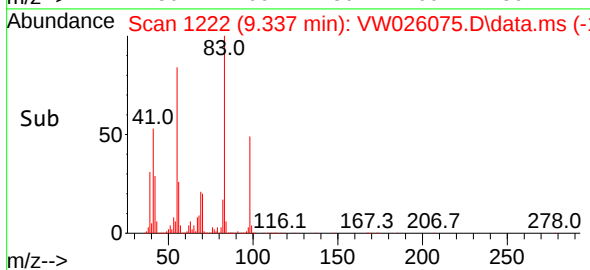
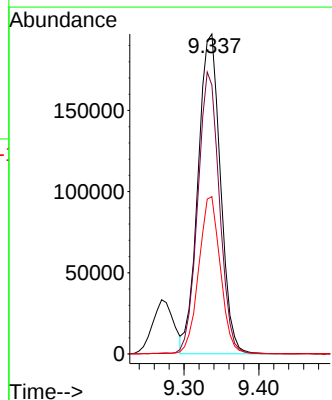
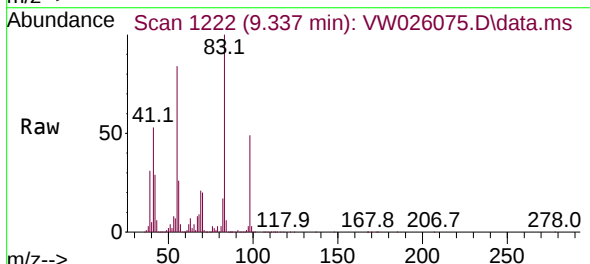
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

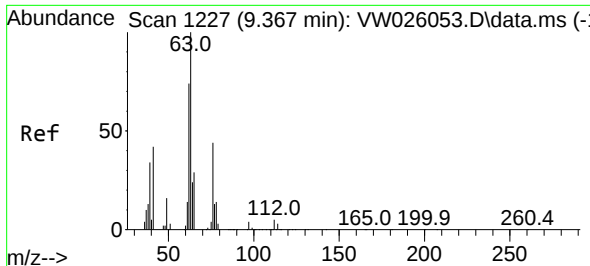
Tgt Ion: 95 Resp: 248010
Ion Ratio Lower Upper
95 100
97 65.6 45.9 85.3
132 93.9 66.0 122.6
130 95.0 65.9 122.3



#35
Methylcyclohexane
Concen: 21.037 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.007 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 83 Resp: 409906
Ion Ratio Lower Upper
83 100
55 85.3 69.0 103.4
98 47.7 37.1 55.7





#37

1,2-Dichloropropane

Concen: 23.824 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

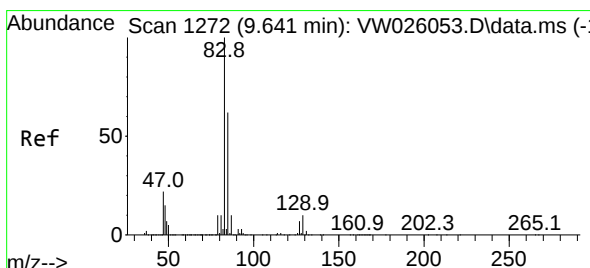
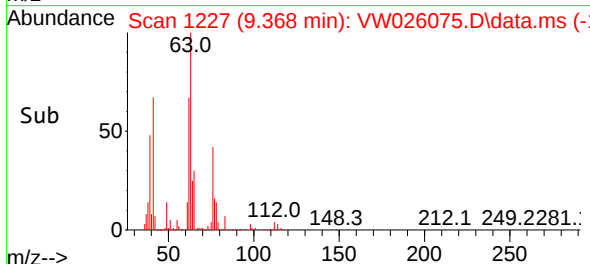
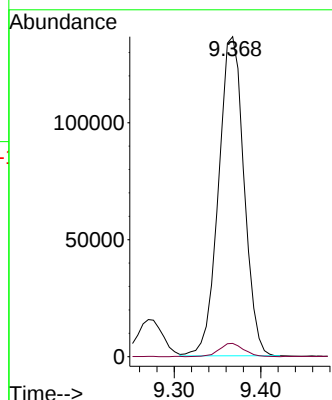
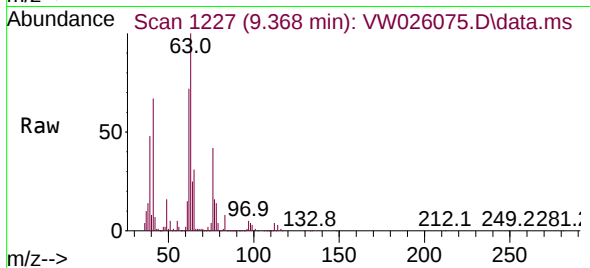
VSTD025501

Tgt Ion: 63 Resp: 278662

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 24.720 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

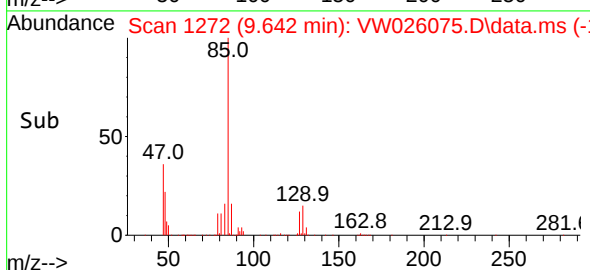
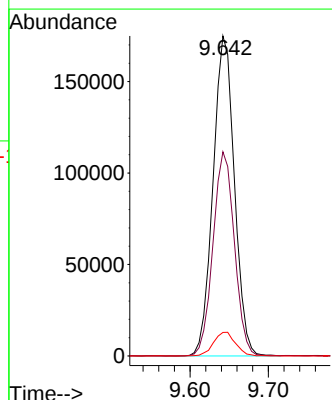
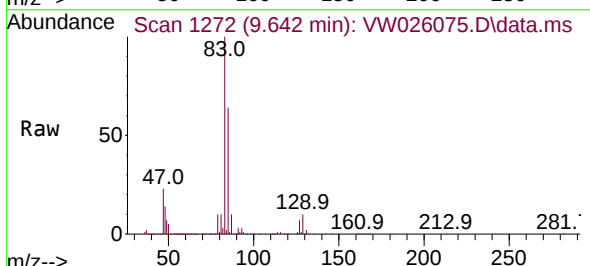
Tgt Ion: 83 Resp: 331728

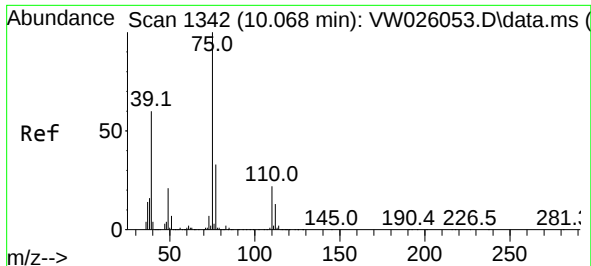
Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5

127 7.4 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 23.101 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

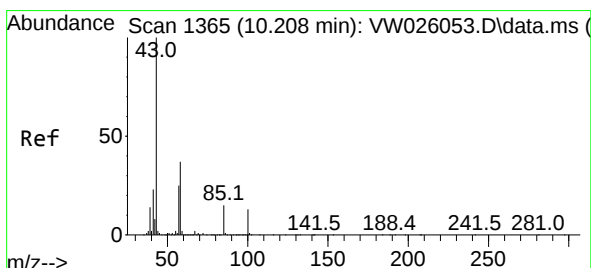
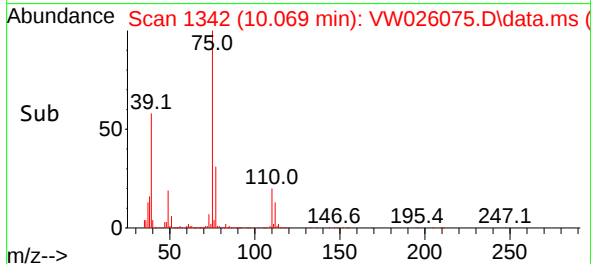
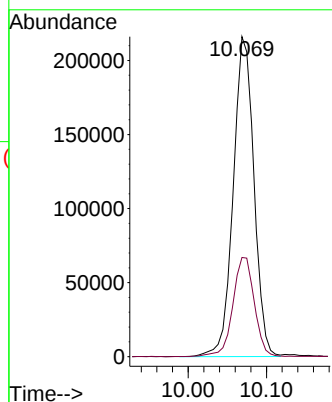
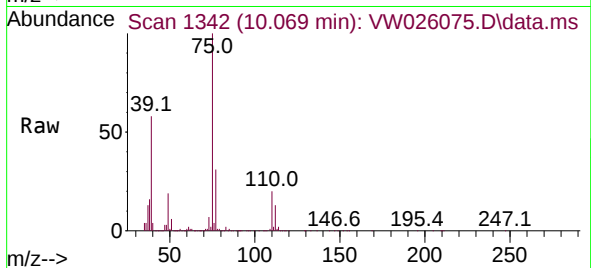
VSTD025501

Tgt Ion: 75 Resp: 396255

Ion Ratio Lower Upper

75 100

77 31.0 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 50.470 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

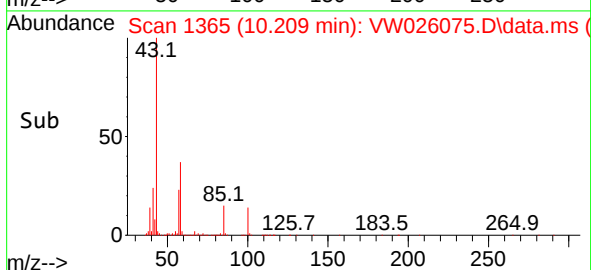
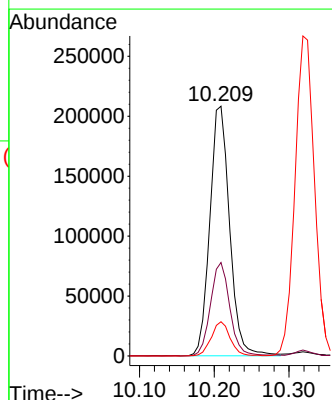
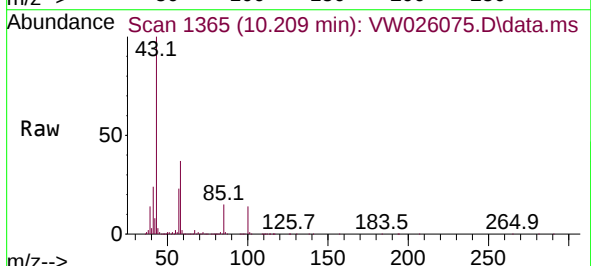
Tgt Ion: 43 Resp: 384253

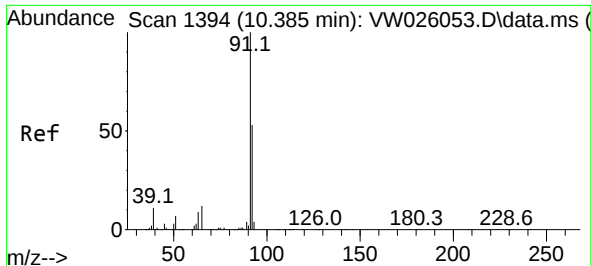
Ion Ratio Lower Upper

43 100

58 36.7 29.4 44.0

100 13.3 10.1 15.1

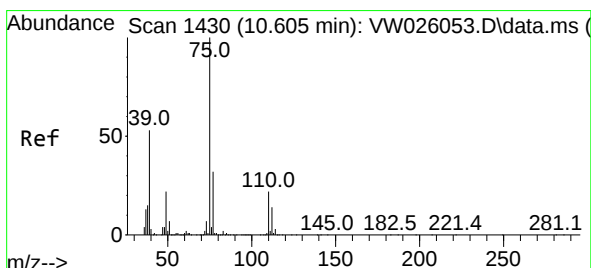
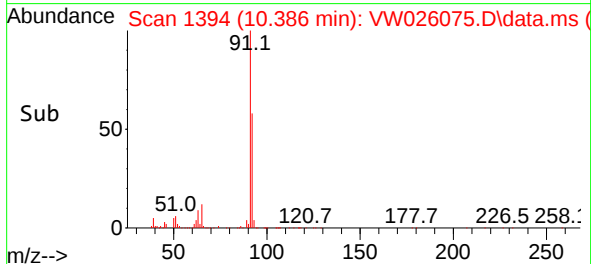
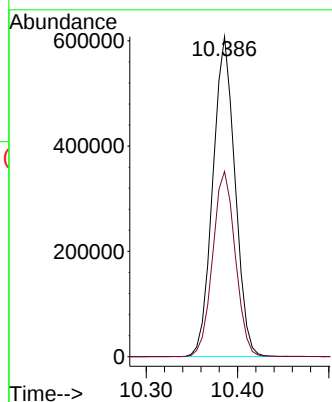
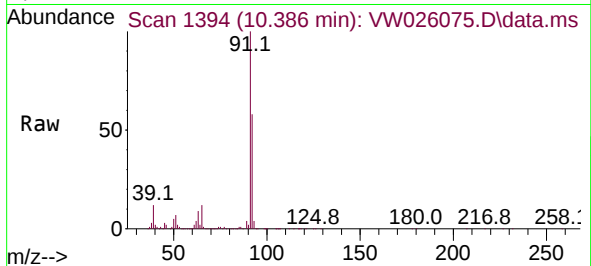




#42
Toluene
Concen: 23.485 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

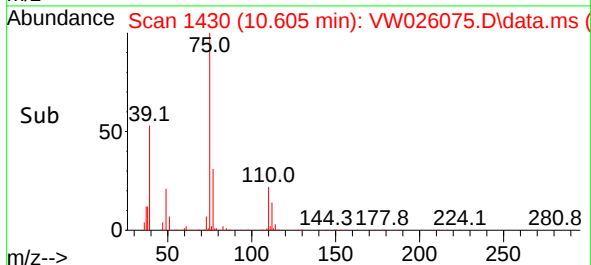
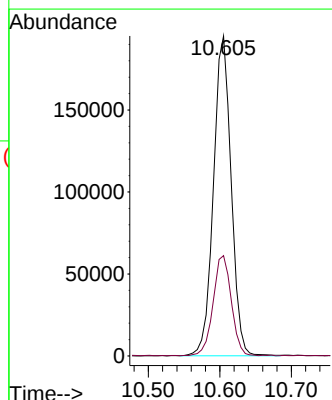
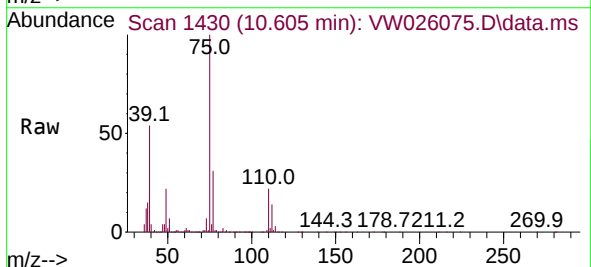
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

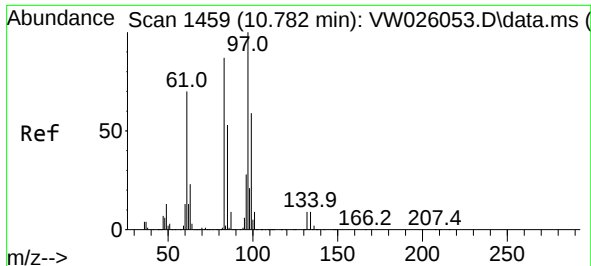
Tgt Ion: 91 Resp: 1024494
Ion Ratio Lower Upper
91 100
92 57.9 40.2 74.6



#44
trans-1,3-Dichloropropene
Concen: 23.571 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 75 Resp: 335014
Ion Ratio Lower Upper
75 100
77 31.4 21.8 40.4

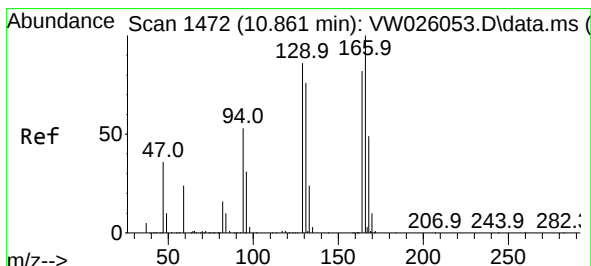
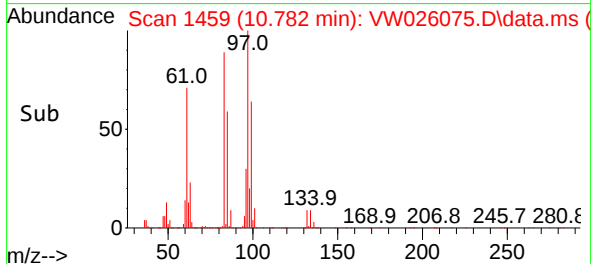
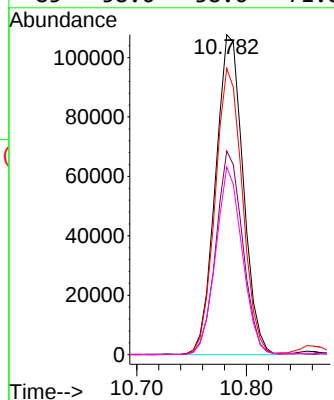
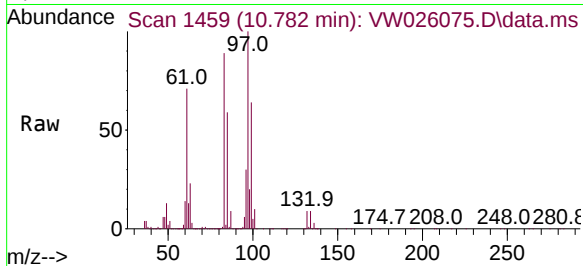




#45
1,1,2-Trichloroethane
Concen: 24.134 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

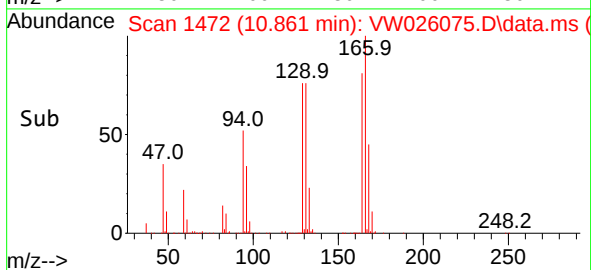
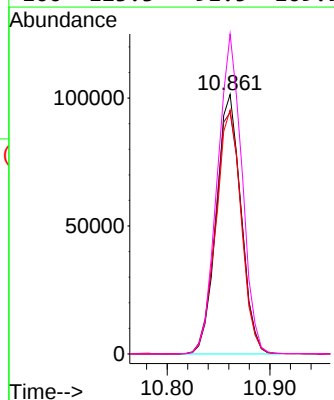
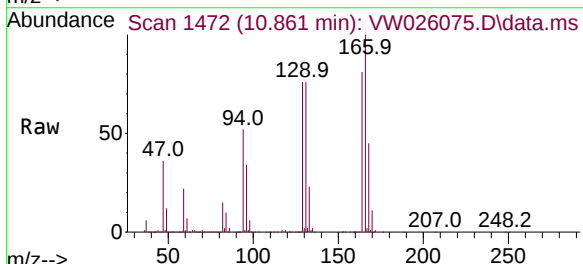
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

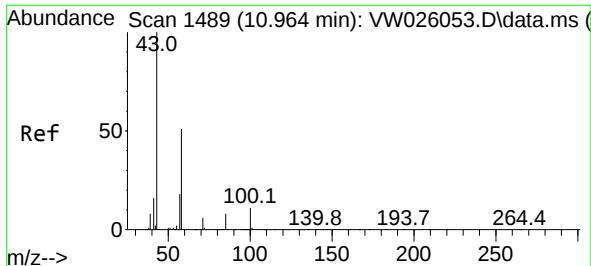
Tgt Ion:	97	Resp:	188829
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.5	82.7
83	89.5	63.0	117.0
85	58.6	38.6	71.8



#46
Tetrachloroethene
Concen: 21.856 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion:	164	Resp:	168445
Ion	Ratio	Lower	Upper
164	100		
129	93.1	74.3	138.1
131	94.0	71.3	132.3
166	123.3	91.5	169.9



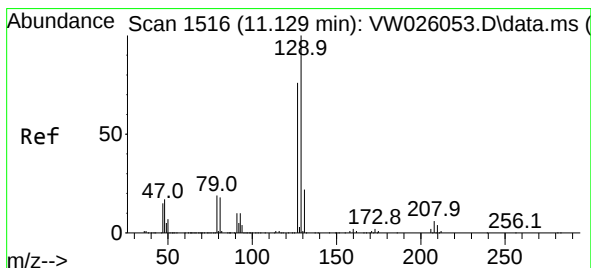
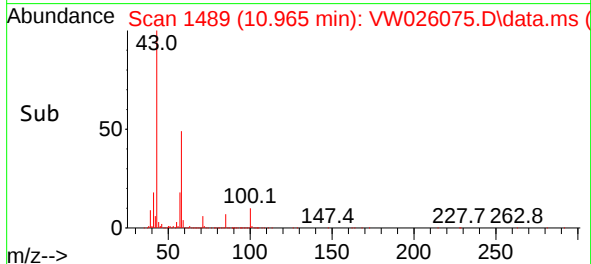
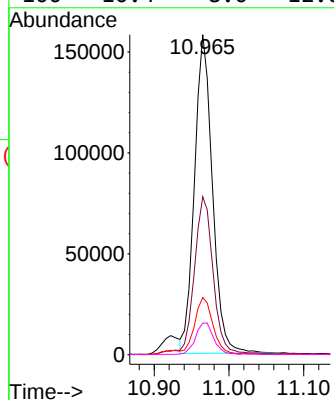
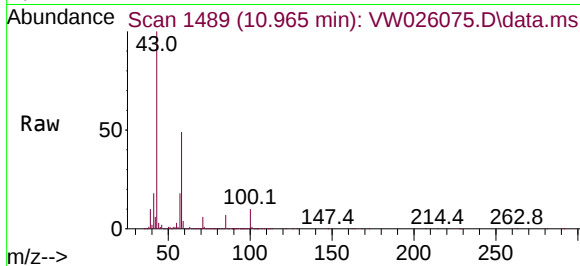


#48
2-Hexanone
Concen: 48.256 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

Tgt Ion: 43 Resp: 263196

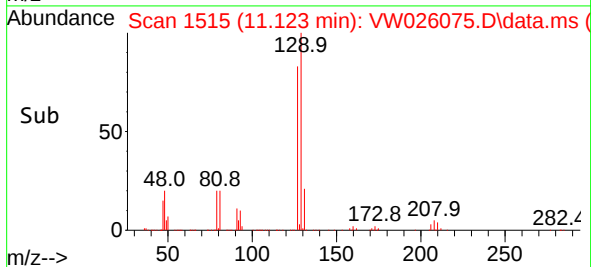
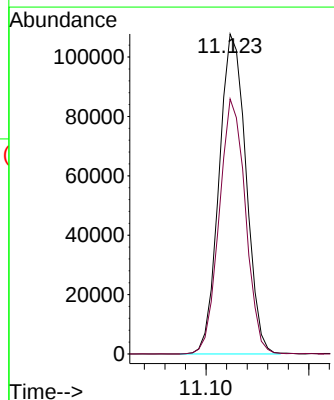
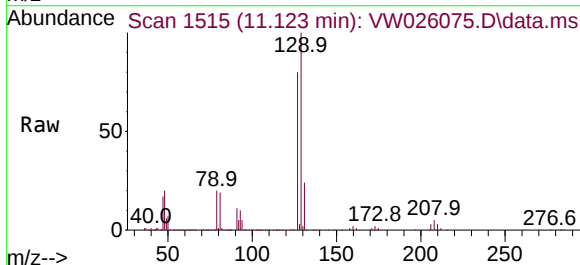
Ion	Ratio	Lower	Upper
43	100		
58	49.6	40.8	61.2
57	17.7	13.6	20.4
100	10.4	8.0	12.0

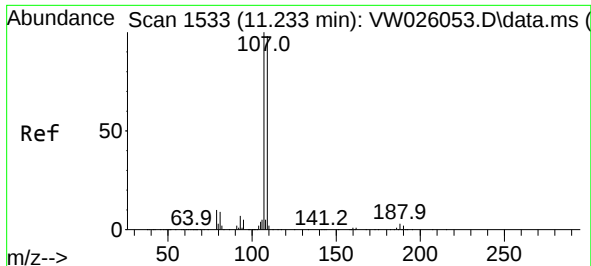


#49
Dibromochloromethane
Concen: 24.189 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 129 Resp: 195937

Ion	Ratio	Lower	Upper
129	100		
127	79.7	56.1	104.3





#50

1,2-Dibromoethane

Concen: 24.154 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

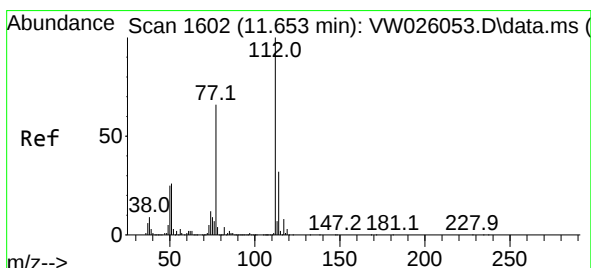
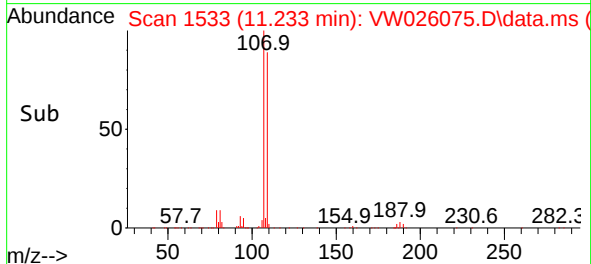
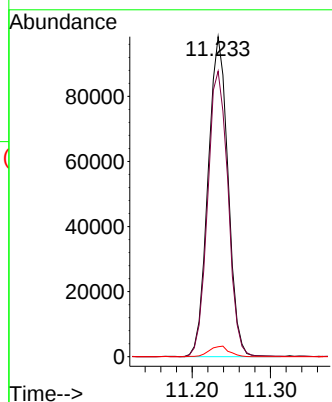
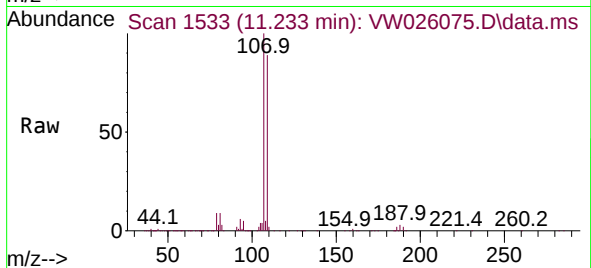
Tgt Ion:107 Resp: 174222

Ion Ratio Lower Upper

107 100

109 89.2 67.5 125.4

188 3.1 2.6 4.0



#51

Chlorobenzene

Concen: 23.863 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

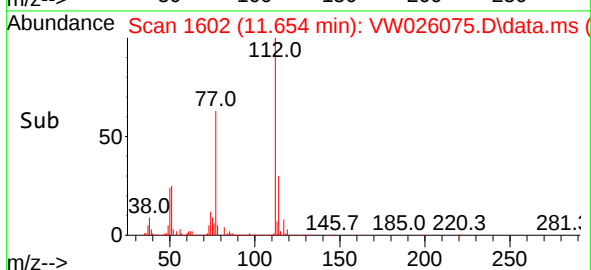
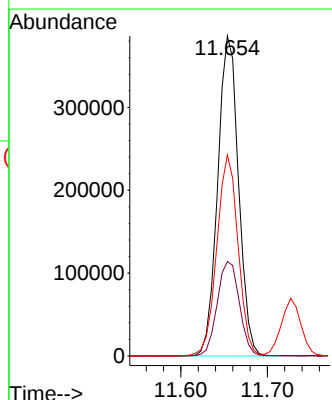
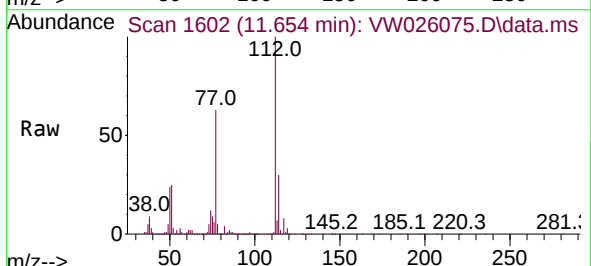
Tgt Ion:112 Resp: 644873

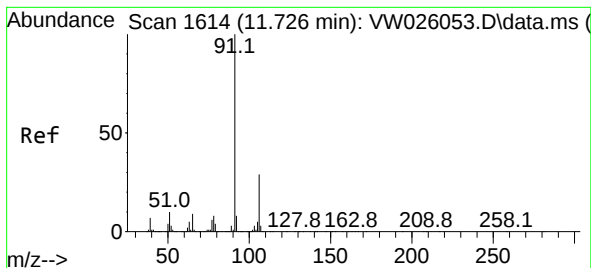
Ion Ratio Lower Upper

112 100

114 29.5 22.7 42.3

77 62.9 53.0 79.6

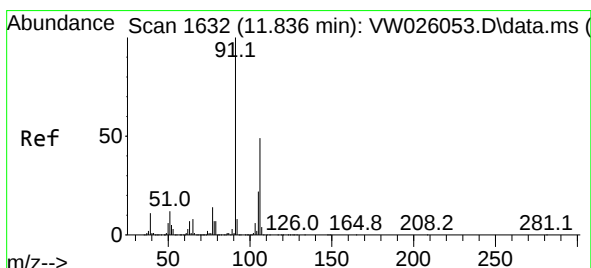
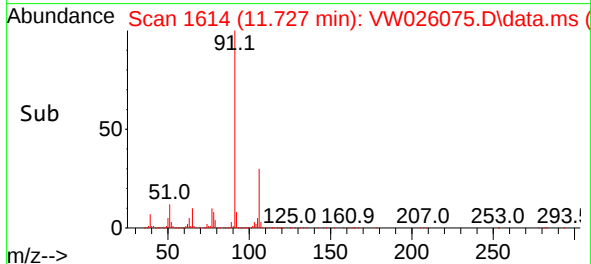
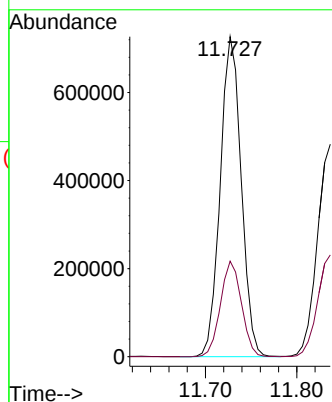
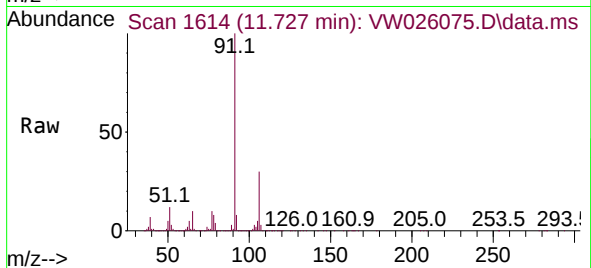




#52
Ethylbenzene
Concen: 23.671 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

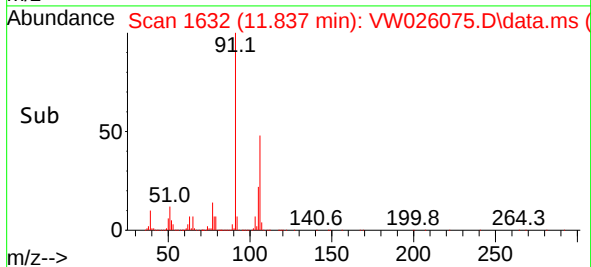
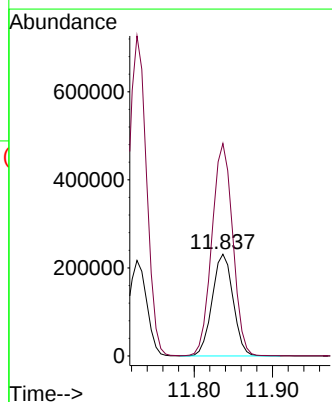
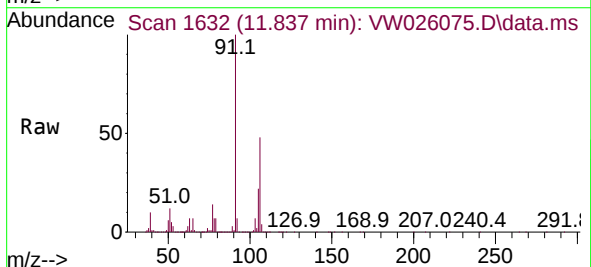
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

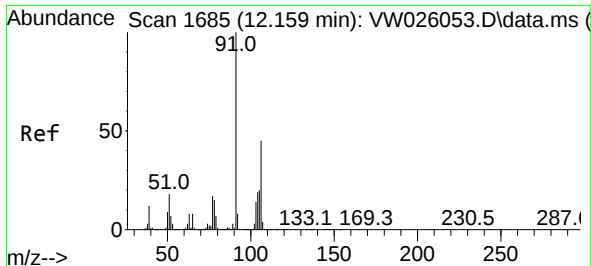
Tgt Ion: 91 Resp: 1161541
Ion Ratio Lower Upper
91 100
106 29.8 20.8 38.6



#53
m,p-Xylene
Concen: 23.772 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion: 106 Resp: 429320
Ion Ratio Lower Upper
106 100
91 208.6 150.1 278.9

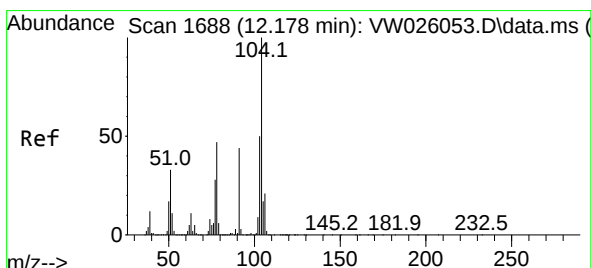
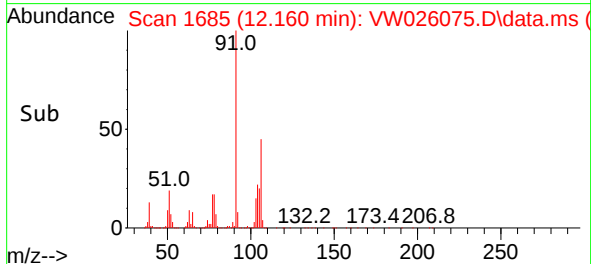
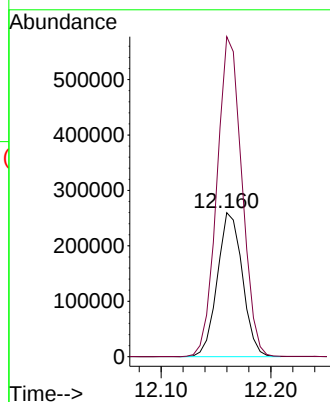
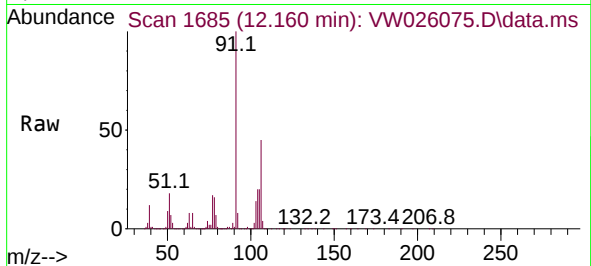




#54
o-Xylene
Concen: 24.220 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

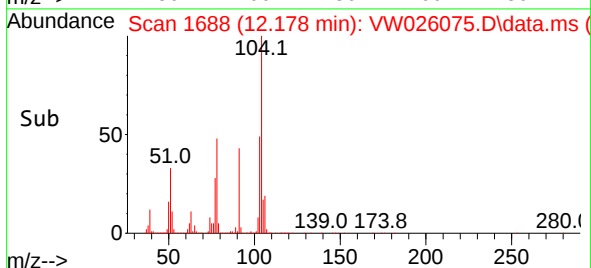
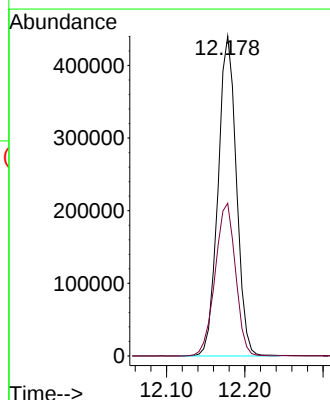
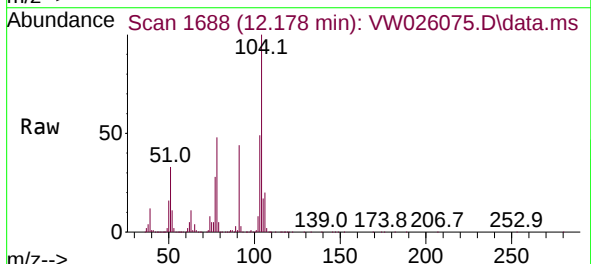
Instrument :
MSVOA_W
ClientSampleId :
VSTD025501

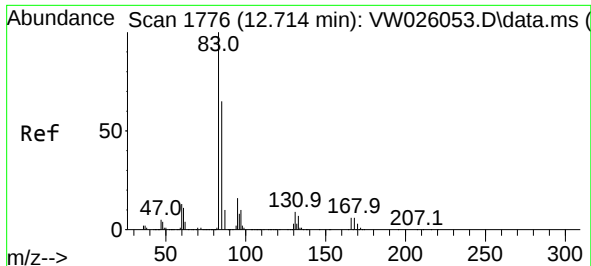
Tgt Ion:106 Resp: 412293
Ion Ratio Lower Upper
106 100
91 222.2 157.8 293.1



#55
Styrene
Concen: 24.667 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026075.D
Acq: 26 May 2023 17:56

Tgt Ion:104 Resp: 718694
Ion Ratio Lower Upper
104 100
78 47.7 33.4 62.0





#57

1,1,2,2-Tetrachloroethane

Concen: 24.194 ug/L

RT: 12.715 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

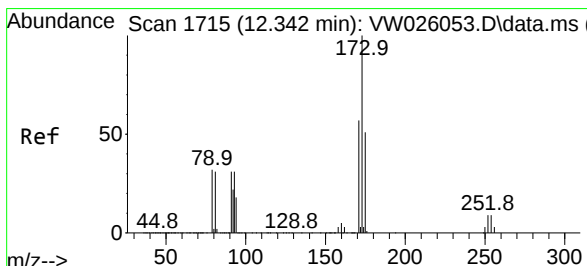
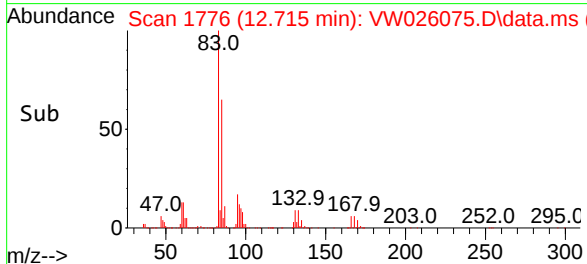
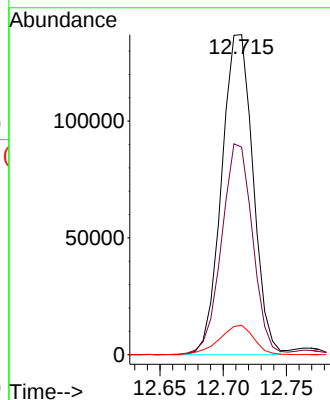
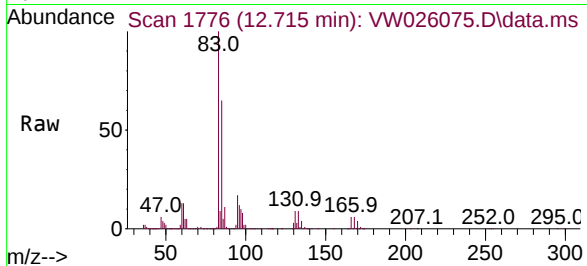
Tgt Ion: 83 Resp: 236207

Ion Ratio Lower Upper

83 100

85 64.9 45.6 84.8

131 9.2 8.1 12.1



#59

Bromoform

Concen: 24.447 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

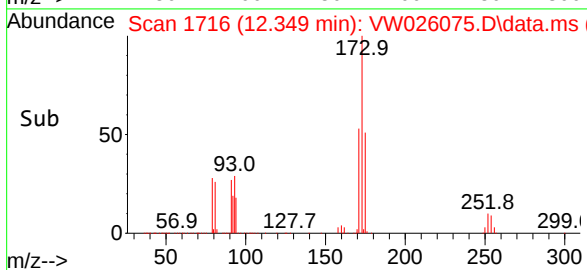
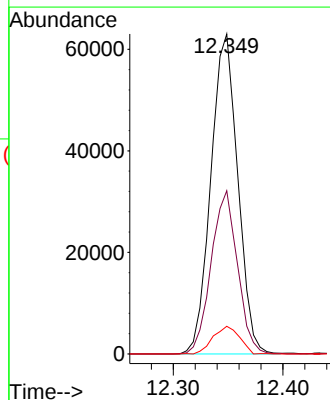
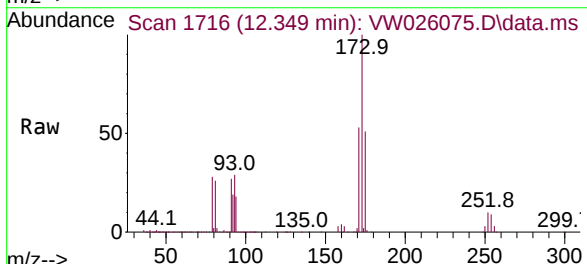
Tgt Ion:173 Resp: 107379

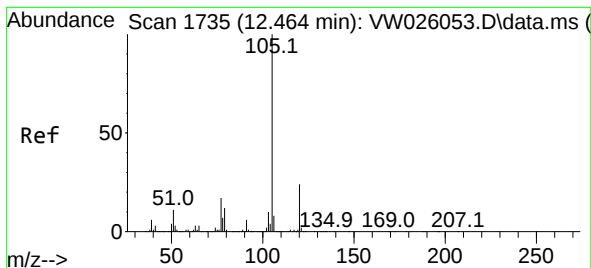
Ion Ratio Lower Upper

173 100

175 49.9 38.6 57.8

254 8.5 7.6 11.4





#60

Isopropylbenzene

Concen: 25.149 ug/L

RT: 12.458 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

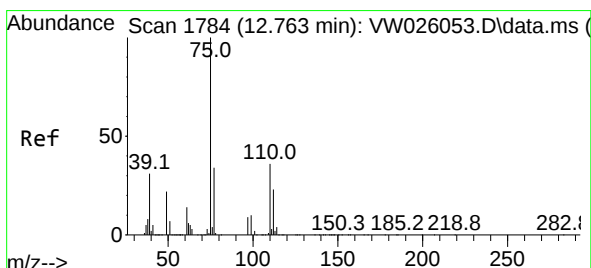
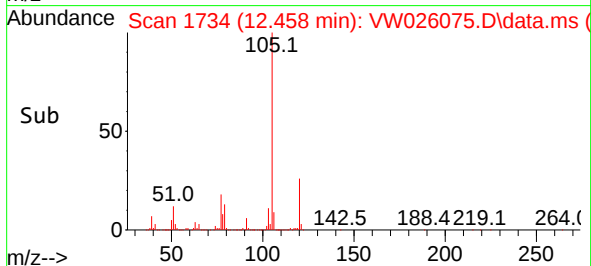
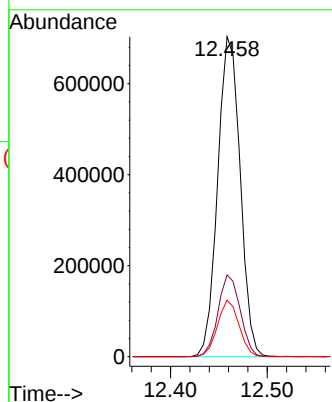
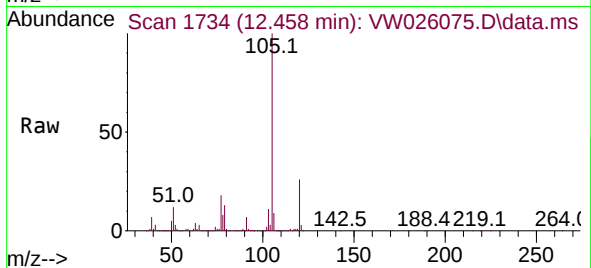
Tgt Ion:105 Resp: 1133578

Ion Ratio Lower Upper

105 100

120 25.2 21.1 31.7

77 16.9 13.4 20.0



#61

1,2,3-Trichloropropane

Concen: 25.025 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

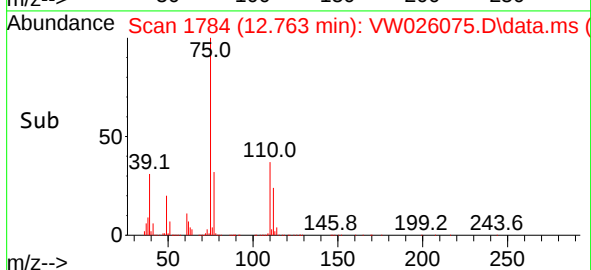
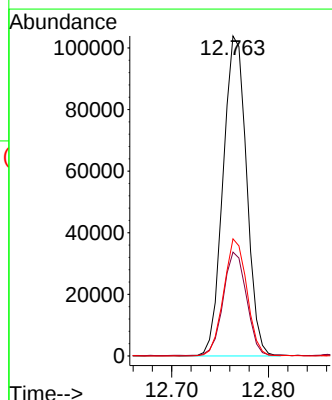
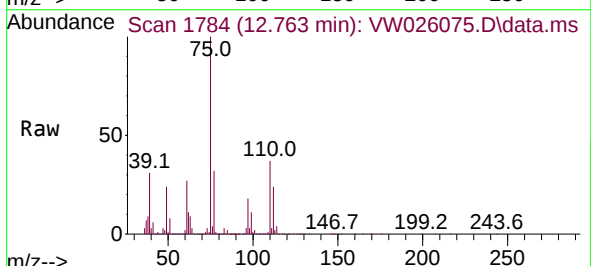
Tgt Ion: 75 Resp: 175374

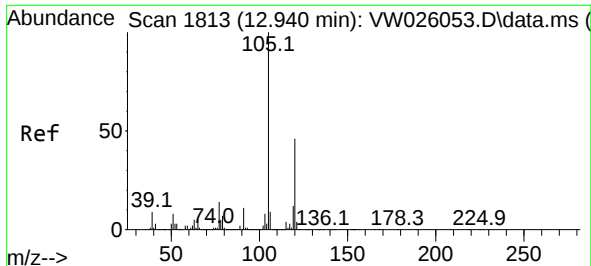
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

110 36.0 27.6 41.4





#62

1,3,5-Trimethylbenzene

Concen: 25.566 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

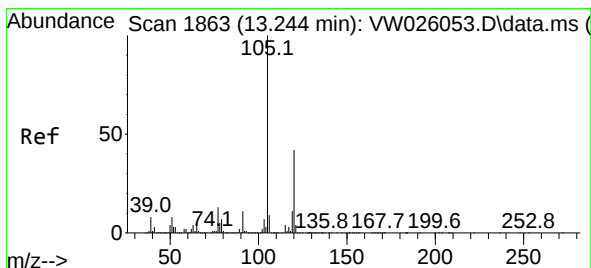
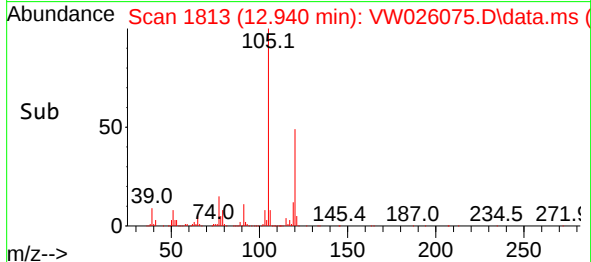
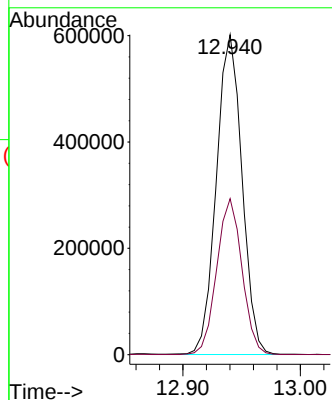
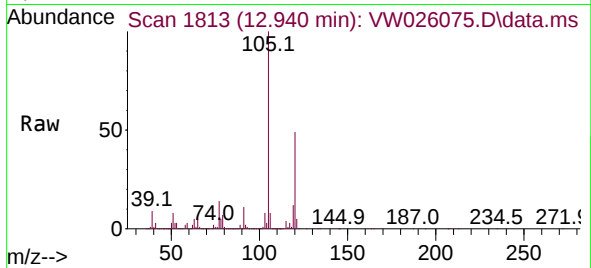
VSTD025501

Tgt Ion:105 Resp: 912719

Ion Ratio Lower Upper

105 100

120 47.9 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 25.604 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026075.D

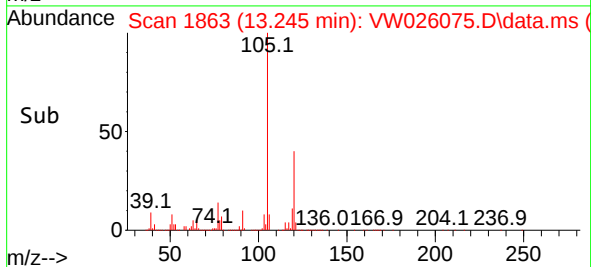
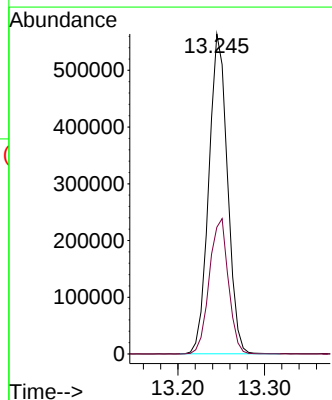
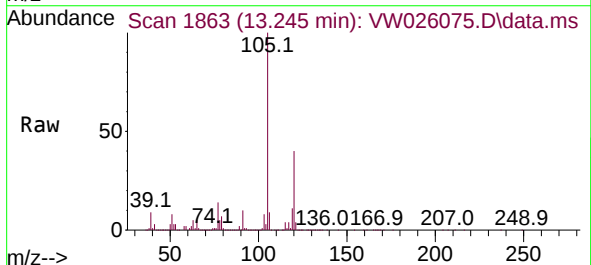
Acq: 26 May 2023 17:56

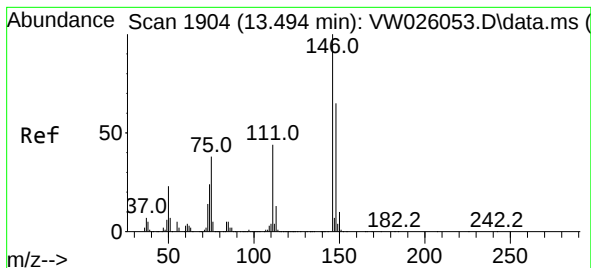
Tgt Ion:105 Resp: 843507

Ion Ratio Lower Upper

105 100

120 43.2 34.7 52.1





#64

1,3-Dichlorobenzene

Concen: 23.572 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

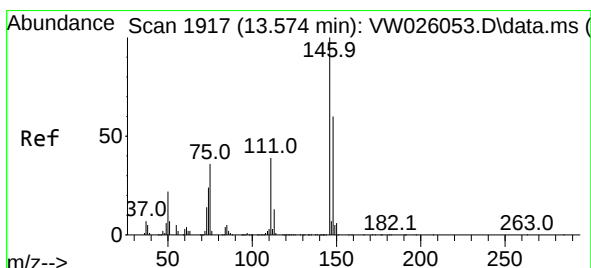
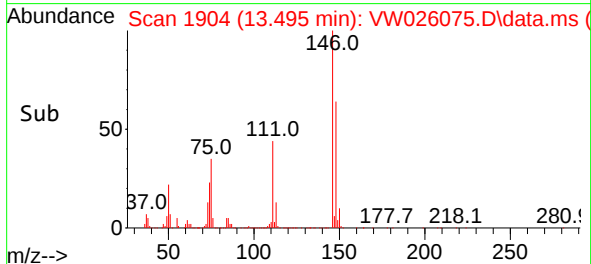
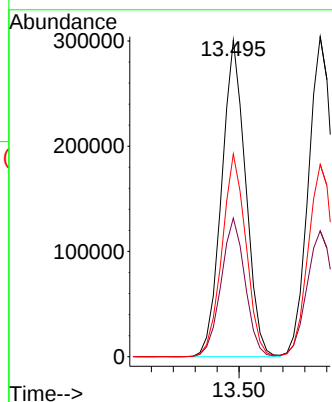
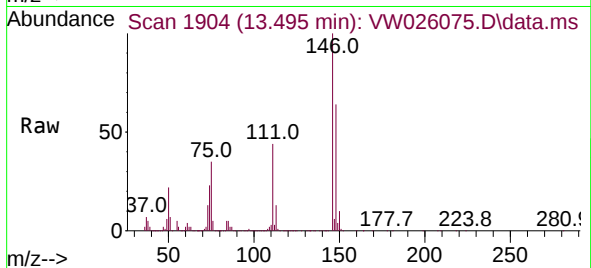
Tgt Ion:146 Resp: 457374

Ion Ratio Lower Upper

146 100

111 43.8 30.4 56.4

148 64.1 40.8 75.8



#65

1,4-Dichlorobenzene

Concen: 24.263 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

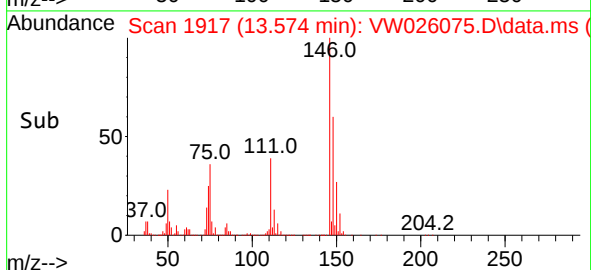
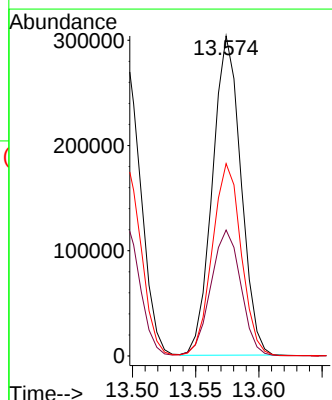
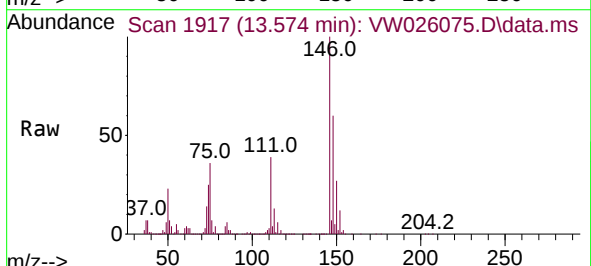
Tgt Ion:146 Resp: 475636

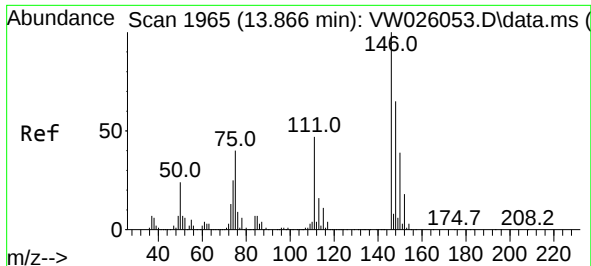
Ion Ratio Lower Upper

146 100

111 39.3 27.9 51.9

148 60.1 44.7 82.9





#67

1,2-Dichlorobenzene

Concen: 24.238 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

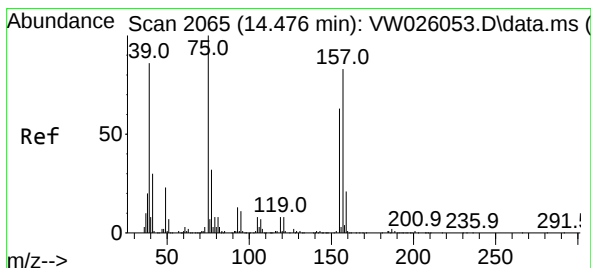
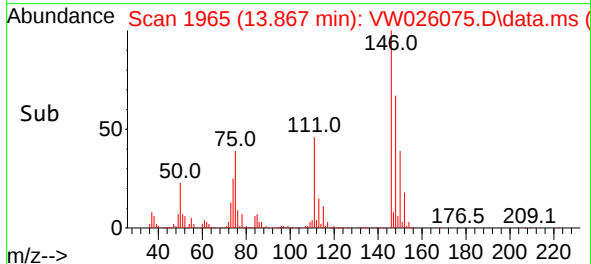
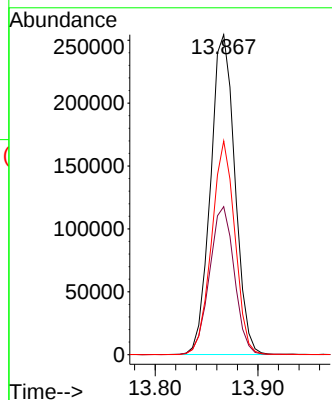
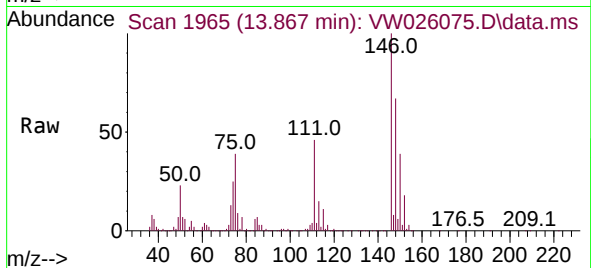
Tgt Ion:146 Resp: 419419

Ion Ratio Lower Upper

146 100

111 46.2 37.7 56.5

148 66.8 49.4 74.0



#68

1,2-Dibromo-3-chloropropane

Concen: 24.221 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

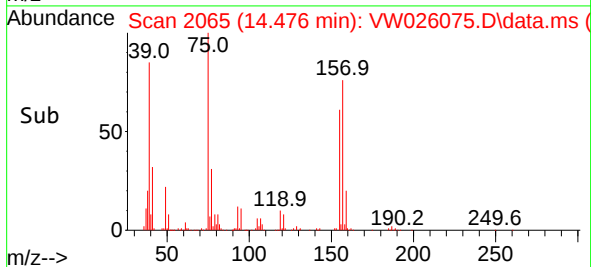
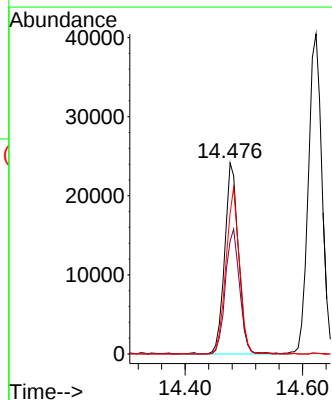
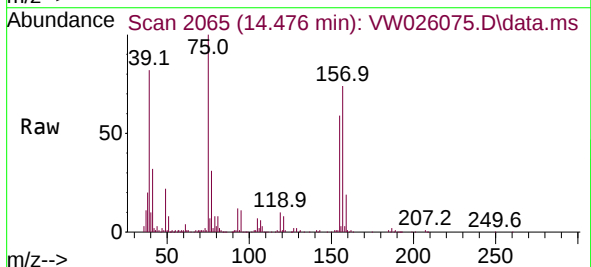
Tgt Ion: 75 Resp: 39361

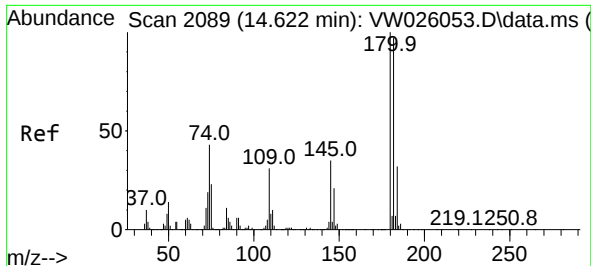
Ion Ratio Lower Upper

75 100

155 59.1 56.3 84.5

157 73.7 66.3 99.5





#69

1,3,5-Trichlorobenzene

Concen: 22.489 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

Tgt Ion:180 Resp: 289651

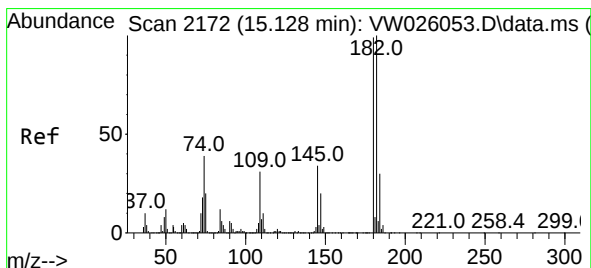
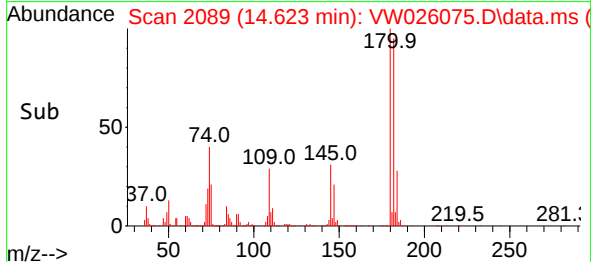
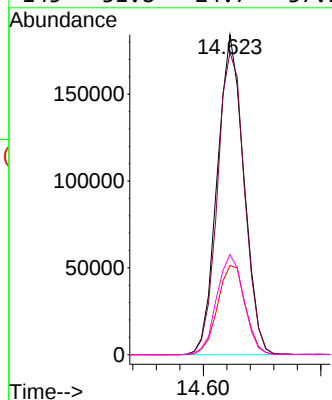
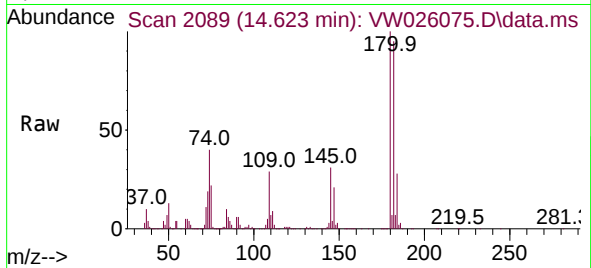
Ion Ratio Lower Upper

180 100

182 96.4 77.4 116.0

184 29.2 24.7 37.1

145 31.8 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 23.744 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

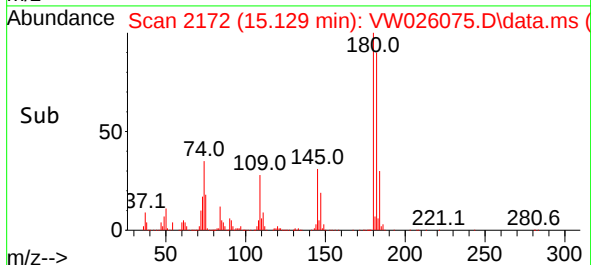
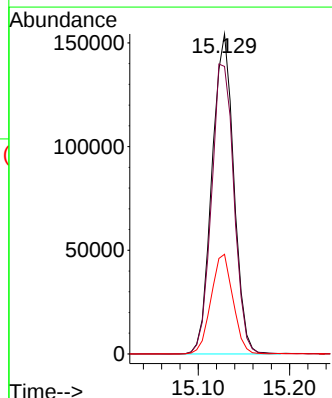
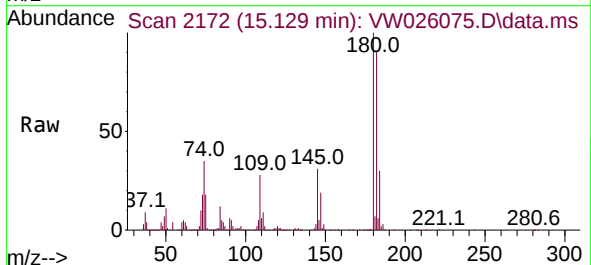
Tgt Ion:180 Resp: 256209

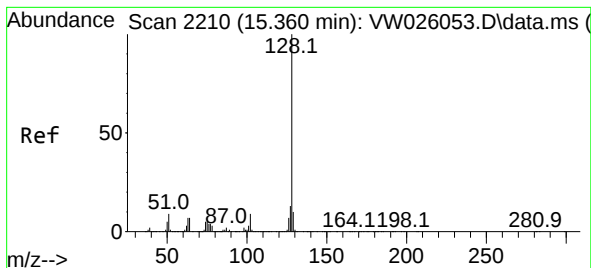
Ion Ratio Lower Upper

180 100

182 93.1 74.3 111.5

145 31.3 25.4 38.0





#71

Naphthalene

Concen: 24.326 ug/L

RT: 15.360 min Scan# 21

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD025501

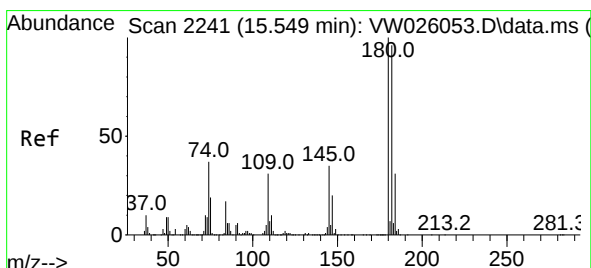
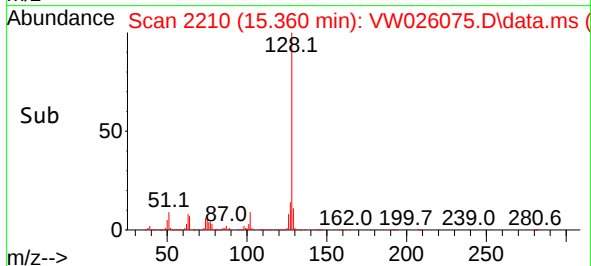
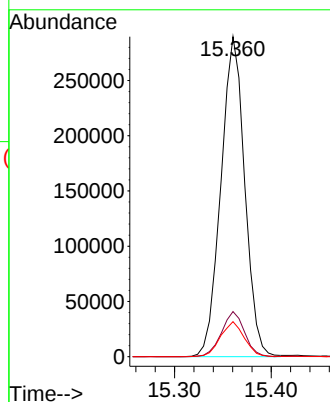
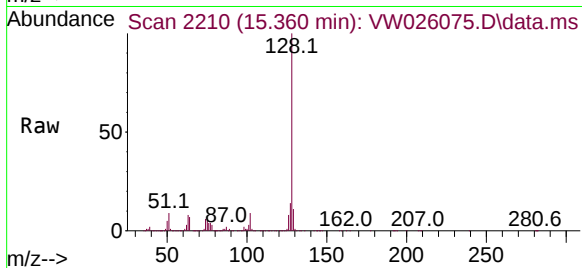
Tgt Ion:128 Resp: 495432

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

129 11.0 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 22.499 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026075.D

Acq: 26 May 2023 17:56

Tgt Ion:180 Resp: 215408

Ion Ratio Lower Upper

180 100

182 102.4 76.1 114.1

145 36.2 28.0 42.0

