

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW053023\
 Data File : VW026085.D
 Acq On : 30 May 2023 12:58
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025502

Quant Time: May 31 01:52:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM053023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 31 01:45:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	774967	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	647554	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	331945	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	310886	28.516	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 114.080%			
7) Chloroethane-d5	2.899	69	204503	25.058	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.240%			
11) 1,1-Dichloroethene-d2	4.027	65	145532	27.072	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 108.280%			
21) 2-Butanone-d5	7.075	46	167575	52.796	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.600%			
24) Chloroform-d	7.648	84	592820	26.122	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 104.480%			
26) 1,2-Dichloroethane-d4	8.301	65	319280	25.729	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 102.920%			
32) Benzene-d6	8.276	84	1217196	27.935	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 111.720%			
36) 1,2-Dichloropropane-d6	9.276	67	357232	25.878	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 103.520%			
41) Toluene-d8	10.325	98	1010931	26.161	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 104.640%			
43) trans-1,3-Dichloroprop...	10.575	79	139143	25.436	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.760%			
47) 2-Hexanone-d5	10.922	63	123104	56.556	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 113.120%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	273609	27.237	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.960%			
66) 1,2-Dichlorobenzene-d4	13.849	152	318171	25.042	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	244077	25.692	ug/L	99
3) Chloromethane	2.223	50	342396	28.108	ug/L	96
5) Vinyl chloride	2.375	62	355863	27.330	ug/L	100
6) Bromomethane	2.790	94	164522	23.178	ug/L	99
8) Chloroethane	2.930	64	175053	24.879	ug/L	96
9) Trichlorofluoromethane	3.265	101	213443	25.480	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	275323	26.047	ug/L	97
12) 1,1-Dichloroethene	4.045	96	258052	26.153	ug/L	92
13) Acetone	4.119	43	113162	46.077	ug/L	96
14) Carbon disulfide	4.393	76	921695	26.461	ug/L	100
15) Methyl Acetate	4.667	43	145095	26.323	ug/L	99
16) Methylene chloride	4.917	84	296388	23.962	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	286776	25.905	ug/L	97
18) Methyl tert-butyl Ether	5.423	73	450846	25.840	ug/L	99
19) 1,1-Dichloroethane	6.216	63	577246	25.612	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	307835	26.251	ug/L	98
22) 2-Butanone	7.167	43	179647	51.278	ug/L	99
23) Bromochloromethane	7.514	128	124482	24.891	ug/L	93
25) Chloroform	7.673	83	535724	25.521	ug/L	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	367732	25.400	ug/L	98
29) Cyclohexane	7.959	56	557204	27.871	ug/L	100
30) 1,1,1-Trichloroethane	7.874	97	421801	26.842	ug/L	99
31) Carbon tetrachloride	8.069	117	387122	26.996	ug/L	96
33) Benzene	8.325	78	1220522	27.514	ug/L	100
34) Trichloroethene	9.093	95	309247	27.225	ug/L	96
35) Methylcyclohexane	9.331	83	529498	26.344	ug/L	98
37) 1,2-Dichloropropane	9.368	63	311535	25.929	ug/L	99
38) Bromodichloromethane	9.642	83	353116	25.297	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	455093	25.775	ug/L	99
40) 4-Methyl-2-pentanone	10.209	43	376394	53.136	ug/L	99
42) Toluene	10.386	91	1213332	26.742	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	384115	26.113	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	207480	26.202	ug/L	99
46) Tetrachloroethene	10.861	164	220875	27.492	ug/L	96
48) 2-Hexanone	10.965	43	260266	52.109	ug/L	99
49) Dibromochloromethane	11.123	129	202692	24.414	ug/L	92
50) 1,2-Dibromoethane	11.233	107	178848	24.393	ug/L	97
51) Chlorobenzene	11.654	112	725497	25.517	ug/L	98
52) Ethylbenzene	11.727	91	1356240	26.498	ug/L	99
53) m,p-Xylene	11.837	106	512304	26.906	ug/L	97
54) o-Xylene	12.166	106	494015	27.489	ug/L	97
55) Styrene	12.178	104	846931	27.470	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.709	83	255132	26.623	ug/L	100
59) Bromoform	12.349	173	122347	24.539	ug/L	100
60) Isopropylbenzene	12.459	105	1364405	26.165	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	186938	25.141	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	1105839	26.676	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	1010902	26.625	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	565906	25.810	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	543675	24.629	ug/L	97
67) 1,2-Dichlorobenzene	13.867	146	486565	24.713	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	40953	23.773	ug/L	96
69) 1,3,5-Trichlorobenzene	14.623	180	358455	23.800	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	307875	24.773	ug/L	93
71) Naphthalene	15.360	128	573382	25.887	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	266670	24.552	ug/L	99

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

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Abundance

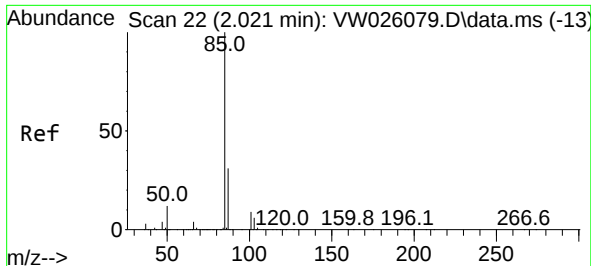
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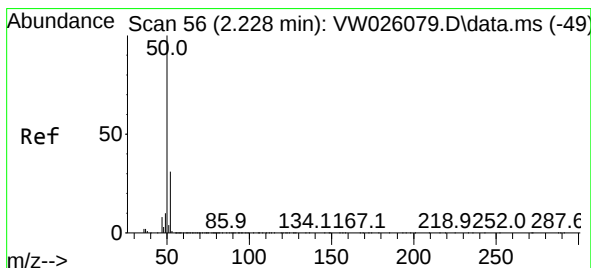
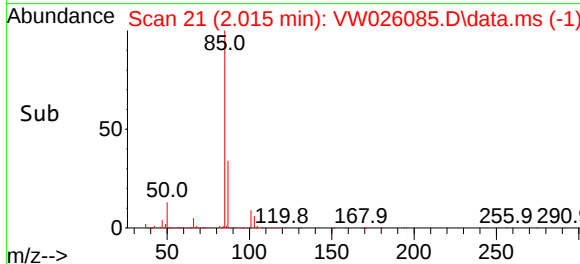
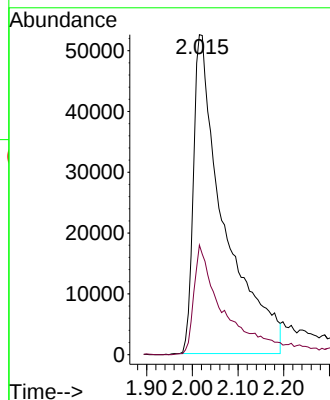
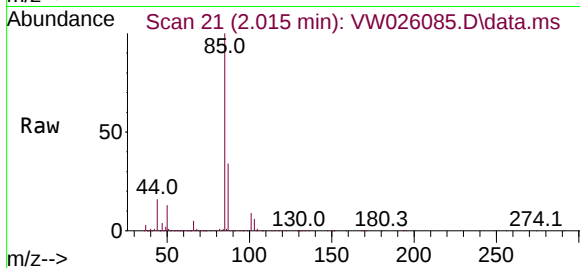
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Vinyl chloride, S
Bromomethane, T
Chloroethane, S
Trichlorofluoromethane, T
Acetone, T
1,1,2-Trichloroethane, S
Carbon disulfide, T
Methyl Acetate, T
Methylene chloride, T
Methyl, 1,2-Dibutyl Ether, T
1,1-Dichloroethane, T
2-Butanone-d5, S
1,1,2-Dichloroethane, T
Bromoethane, T
1,1,1-Trichloroethane, T
Carbon tetrachloride, T
1,2-Dichloroethane, T
Benzene, T
1,4-Difluorobenzene, I
Trichloroethene, T
1,2-Dichloropropane, S
Methylcyclohexane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-pentanone, I
trans-1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
Tetrachloroethene, T
2-Hexanone, S
Dibromodichloromethane, T
1,2-Dibromochloroethane, I
Chlorobenzene-d5, T
Ethylbenzene, T
m,p-Xylene, T
o-Xylene, T
Isopropylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene
1,3-Dichlorobenzene, T
1,2,4-Trichlorobenzene, I
1,2-Dichlorobenzene, S
1,2,3-Trichlorobenzene, T
1,2-Dibromo-3-chloropropane, T
1,3,5-Trichlorobenzene
1,2,4-trichlorobenzene, T
Naphthalene
1,2,3-Trichlorobenzene, T



#2
Dichlorodifluoromethane
Concen: 25.692 ug/L
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
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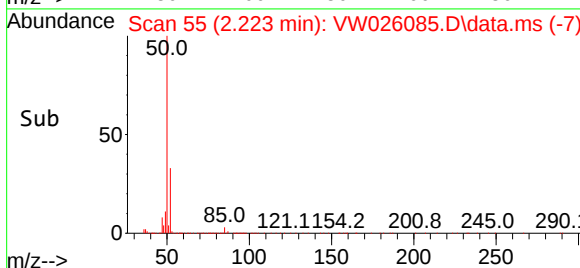
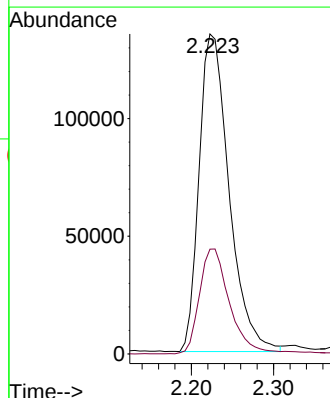
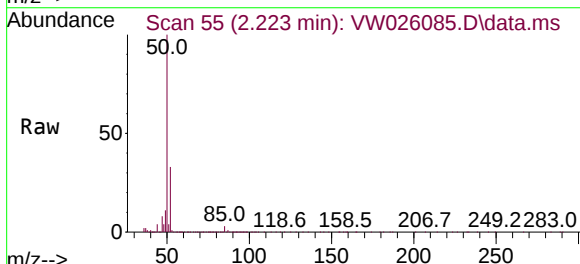
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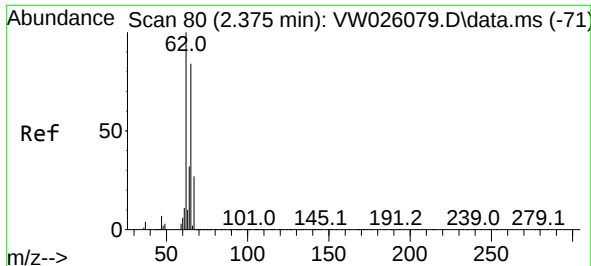
Tgt Ion: 85 Resp: 244077
Ion Ratio Lower Upper
85 100
87 28.1 22.2 33.2



#3
Chloromethane
Concen: 28.108 ug/L
RT: 2.223 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 50 Resp: 342396
Ion Ratio Lower Upper
50 100
52 32.7 21.3 39.6

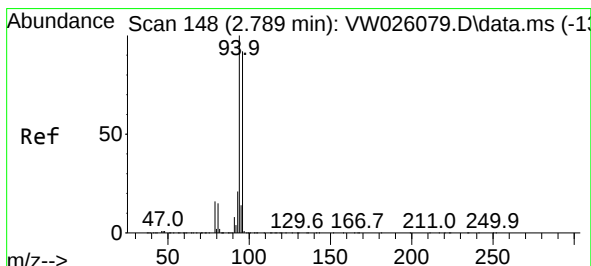
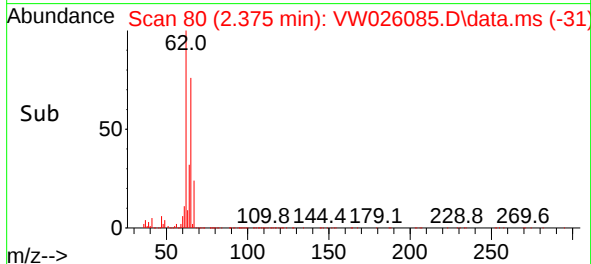
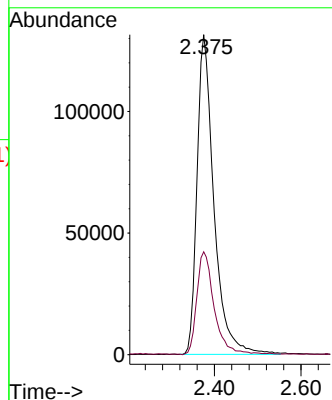
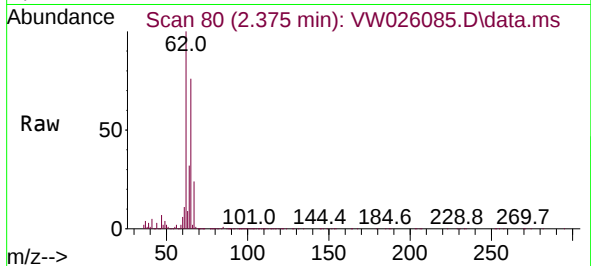




#5
 Vinyl chloride
 Concen: 27.330 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW026085.D
 Acq: 30 May 2023 12:58

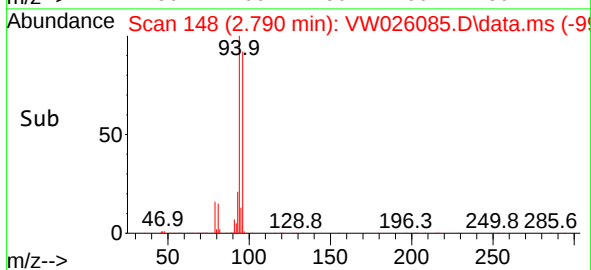
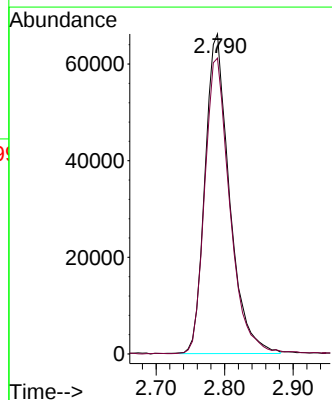
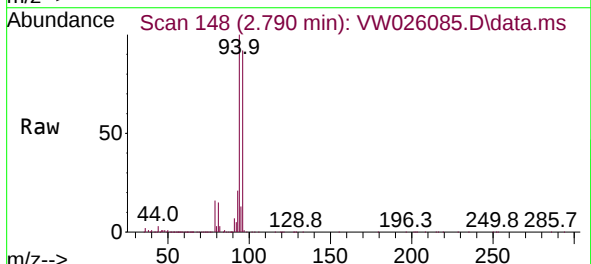
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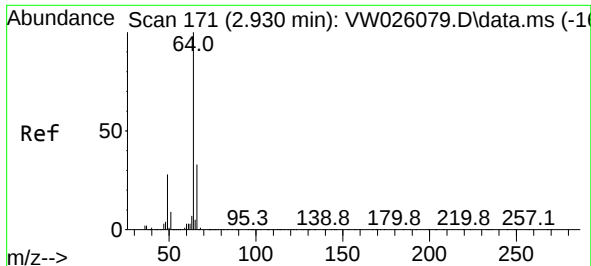
Tgt Ion: 62 Resp: 355863
 Ion Ratio Lower Upper
 62 100
 64 32.2 22.7 42.1



#6
 Bromomethane
 Concen: 23.178 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW026085.D
 Acq: 30 May 2023 12:58

Tgt Ion: 94 Resp: 164522
 Ion Ratio Lower Upper
 94 100
 96 92.5 64.2 119.2

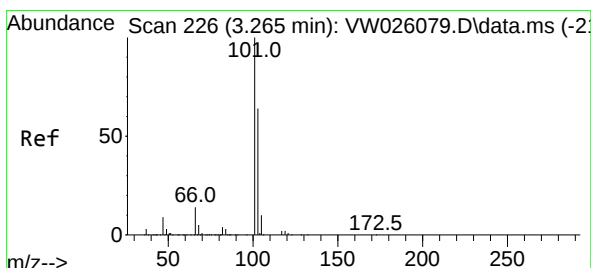
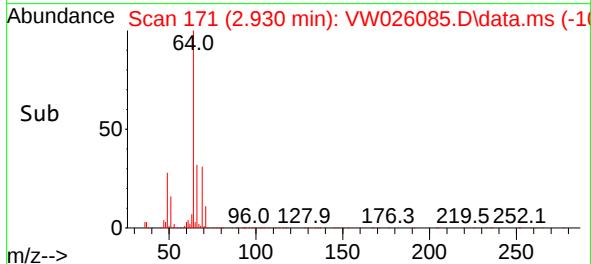
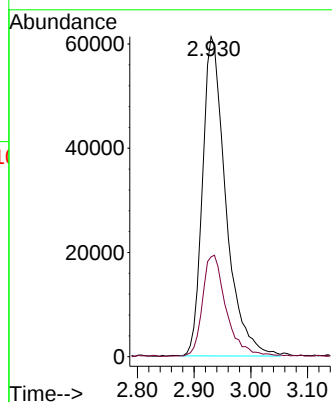
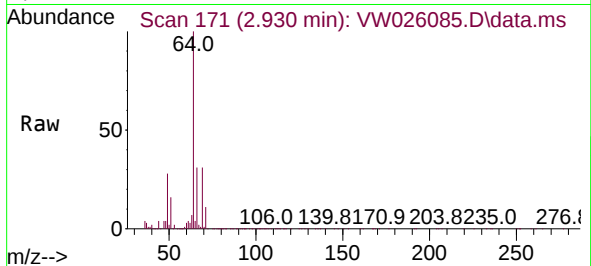




#8
Chloroethane
Concen: 24.879 ug/L
RT: 2.930 min Scan# 171
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

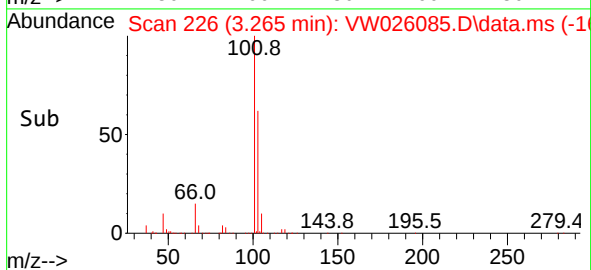
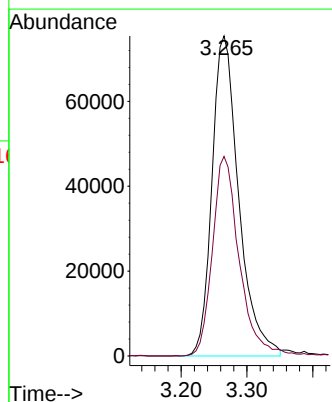
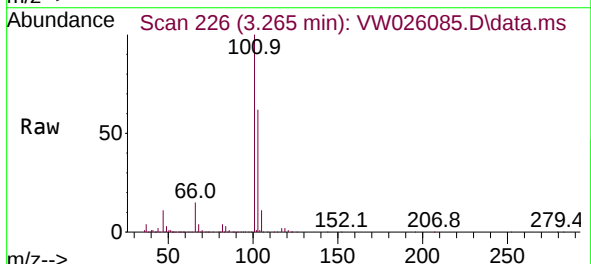
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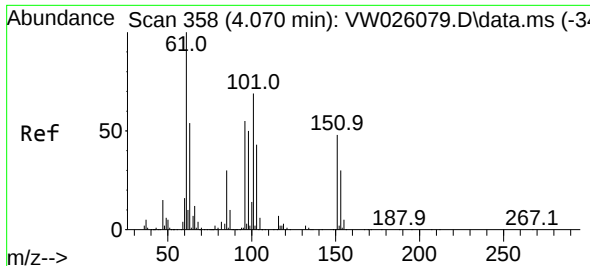
Tgt Ion: 64 Resp: 175053
Ion Ratio Lower Upper
64 100
66 31.2 23.2 43.2



#9
Trichlorofluoromethane
Concen: 25.480 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 101 Resp: 213443
Ion Ratio Lower Upper
101 100
103 61.4 51.6 77.4

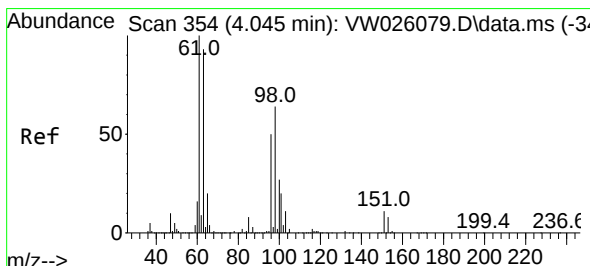
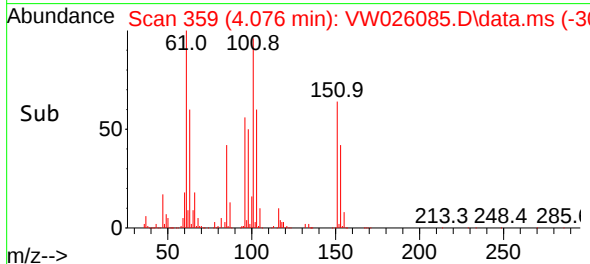
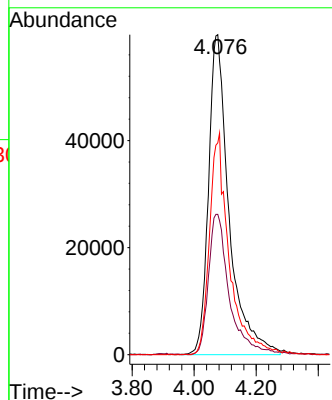
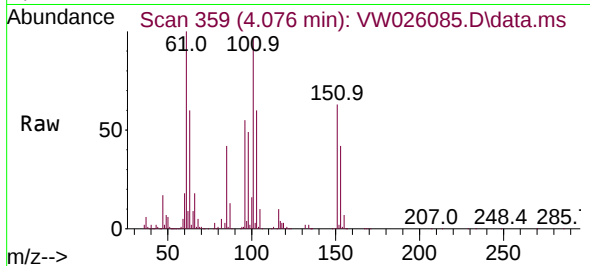




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 26.047 ug/L
 RT: 4.076 min Scan# 358
 Delta R.T. 0.006 min
 Lab File: VW026085.D
 Acq: 30 May 2023 12:58

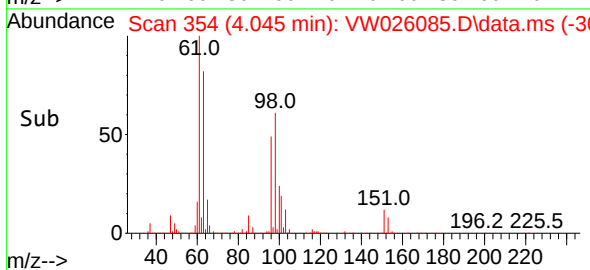
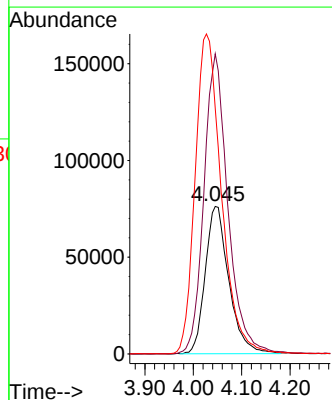
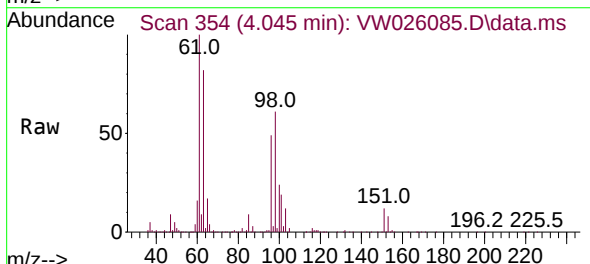
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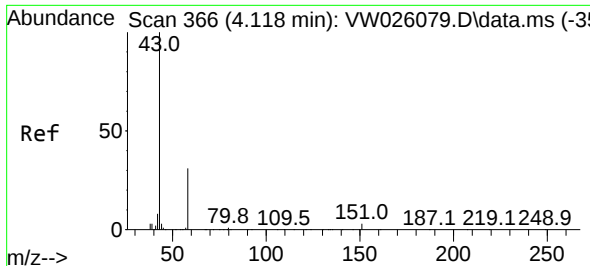
Tgt Ion:101 Resp: 275323
 Ion Ratio Lower Upper
 101 100
 85 43.4 36.1 54.1
 151 65.6 55.1 82.7



#12
 1,1-Dichloroethene
 Concen: 26.153 ug/L
 RT: 4.045 min Scan# 354
 Delta R.T. 0.000 min
 Lab File: VW026085.D
 Acq: 30 May 2023 12:58

Tgt Ion: 96 Resp: 258052
 Ion Ratio Lower Upper
 96 100
 61 203.4 140.6 261.0
 63 166.5 131.7 244.5

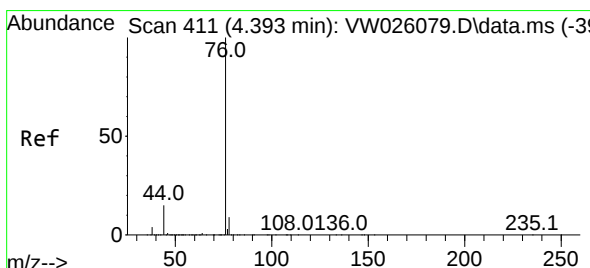
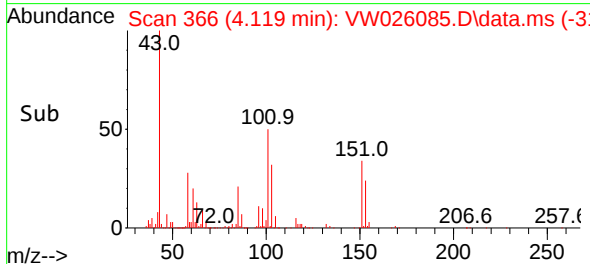
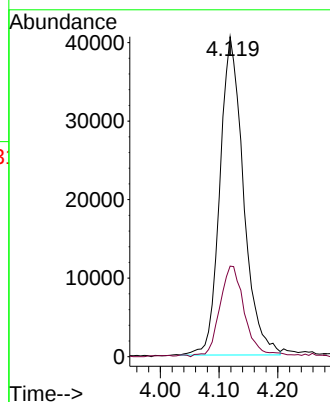
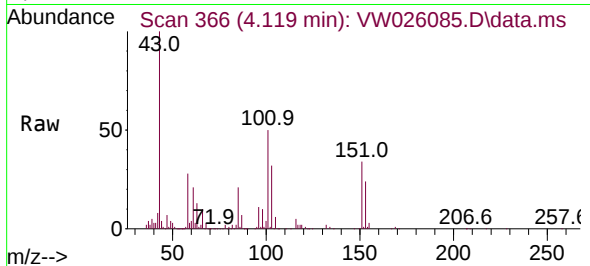




#13
Acetone
Concen: 46.077 ug/L
RT: 4.119 min Scan# 366
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

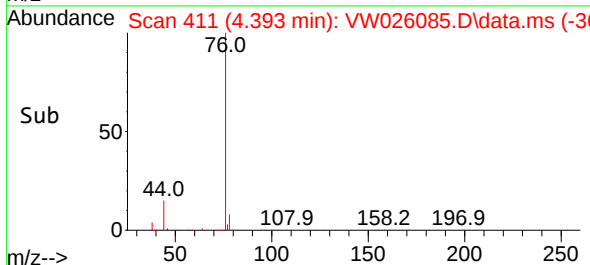
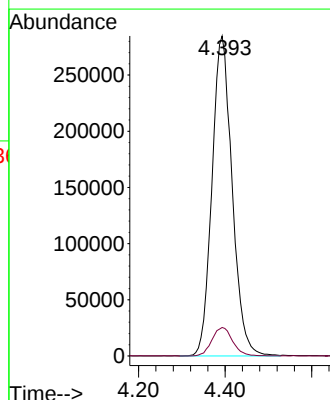
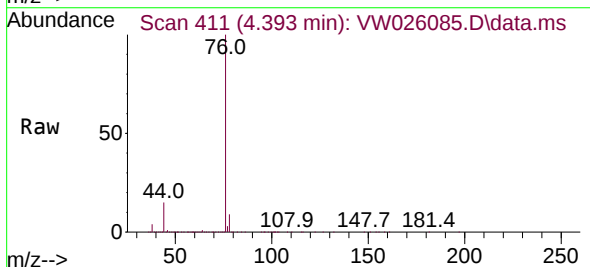
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

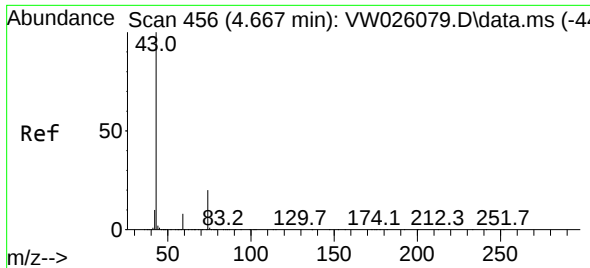
Tgt Ion: 43 Resp: 113162
Ion Ratio Lower Upper
43 100
58 26.9 0.0 58.2



#14
Carbon disulfide
Concen: 26.461 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 76 Resp: 921695
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

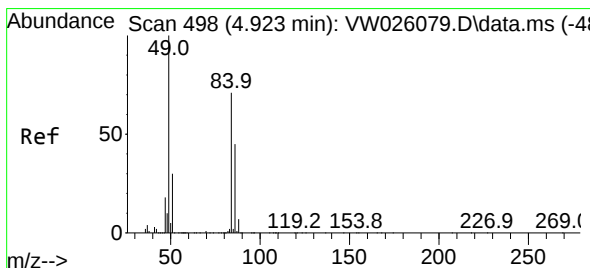
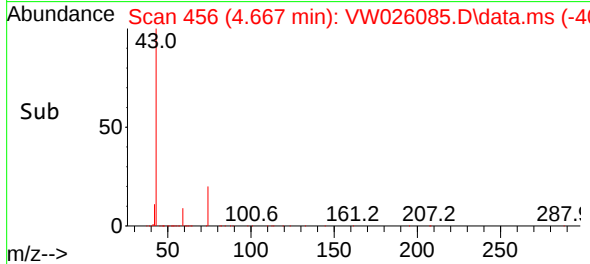
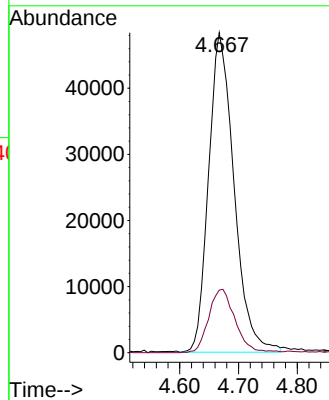
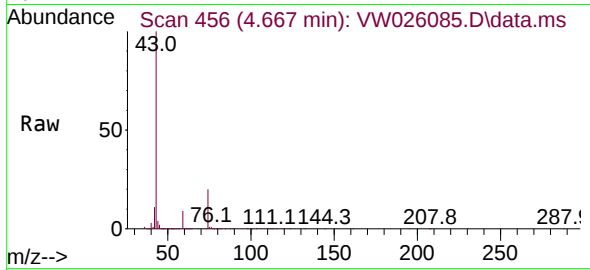




#15
Methyl Acetate
Concen: 26.323 ug/L
RT: 4.667 min Scan# 456
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

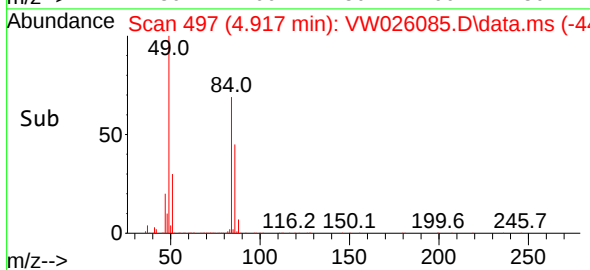
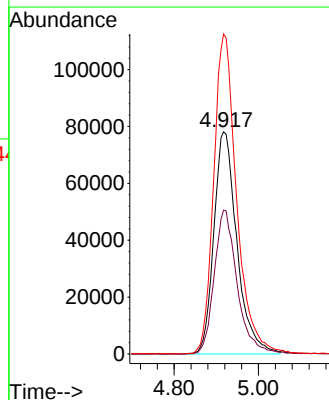
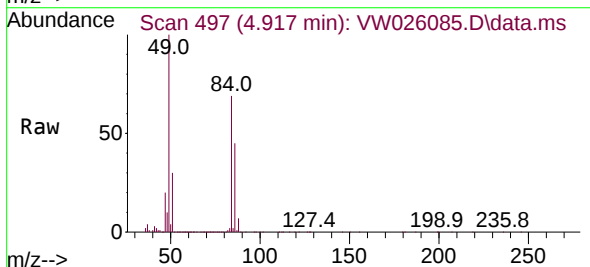
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

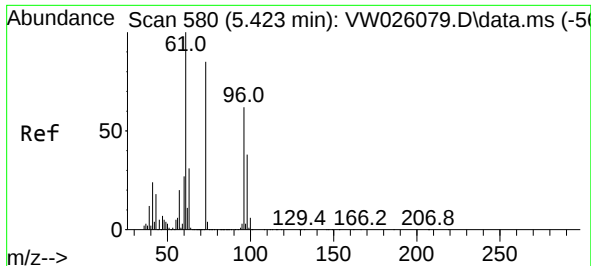
Tgt Ion: 43 Resp: 145095
Ion Ratio Lower Upper
43 100
74 20.4 16.6 25.0



#16
Methylene chloride
Concen: 23.962 ug/L
RT: 4.917 min Scan# 497
Delta R.T. -0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 84 Resp: 296388
Ion Ratio Lower Upper
84 100
86 64.8 44.2 82.0
49 144.1 98.8 183.6

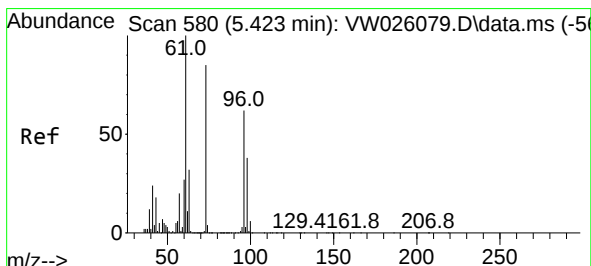
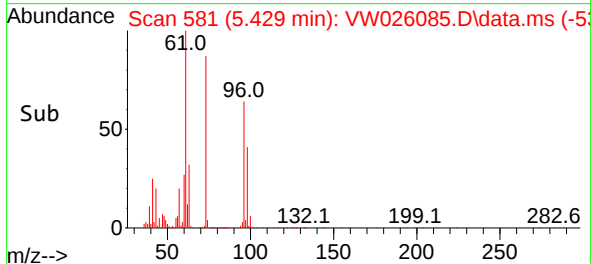
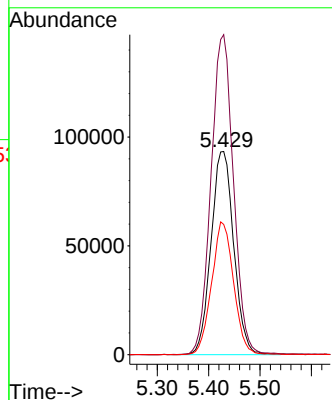
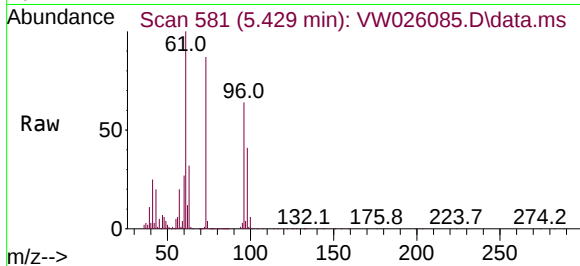




#17
trans-1,2-Dichloroethene
Concen: 25.905 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

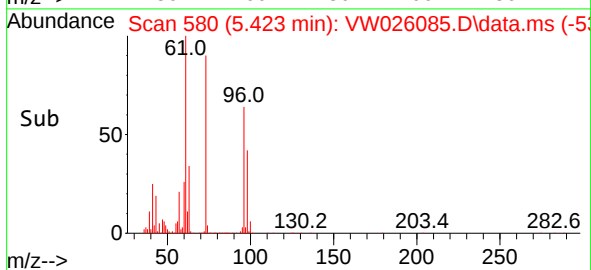
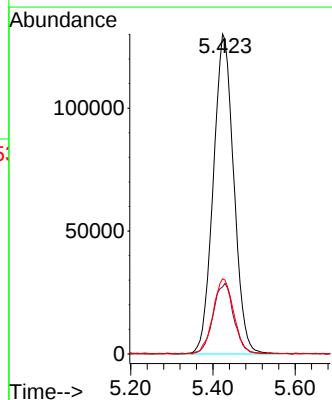
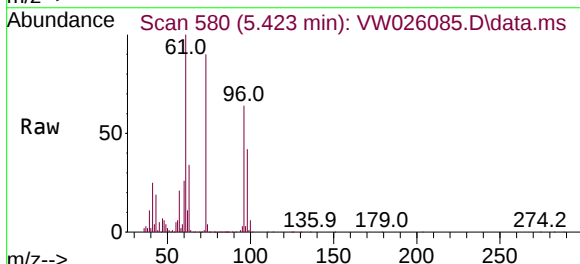
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

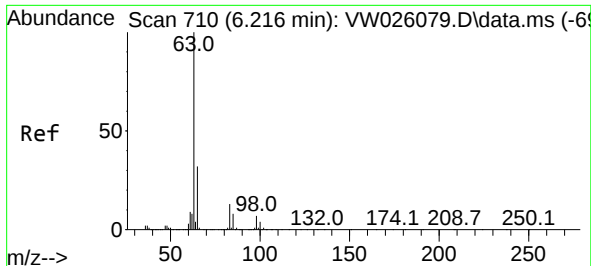
Tgt Ion: 96 Resp: 286776
Ion Ratio Lower Upper
96 100
61 157.4 113.0 209.8
98 64.1 42.5 78.9



#18
Methyl tert-butyl Ether
Concen: 25.840 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 73 Resp: 450846
Ion Ratio Lower Upper
73 100
43 21.9 17.8 26.6
57 23.8 18.9 28.3





#19

1,1-Dichloroethane

Concen: 25.612 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

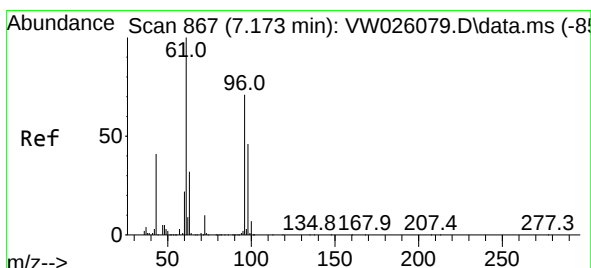
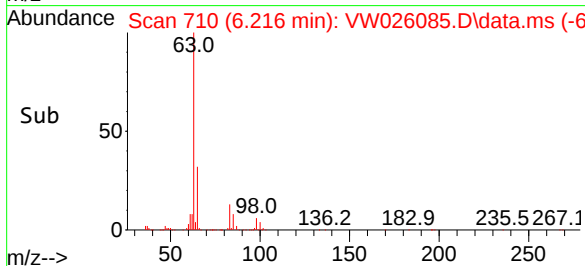
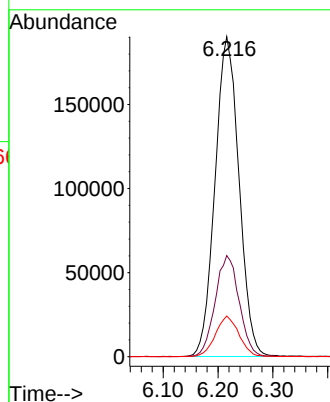
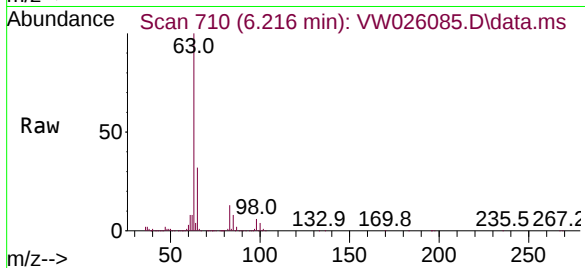
Tgt Ion: 63 Resp: 577246

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.5

83 12.7 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 26.251 ug/L

RT: 7.167 min Scan# 866

Delta R.T. -0.006 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

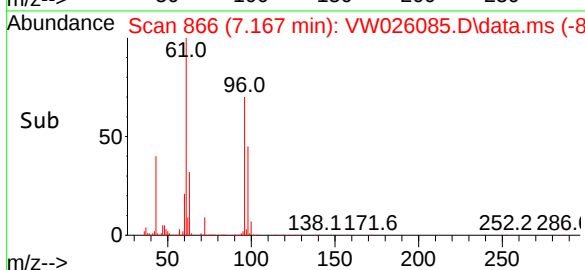
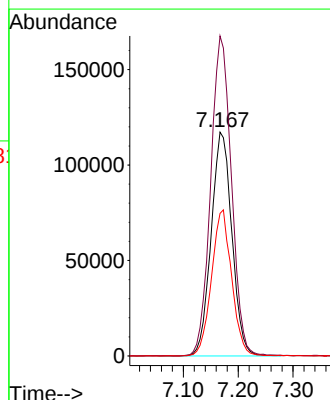
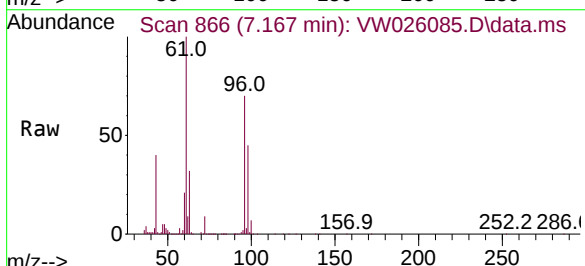
Tgt Ion: 96 Resp: 307835

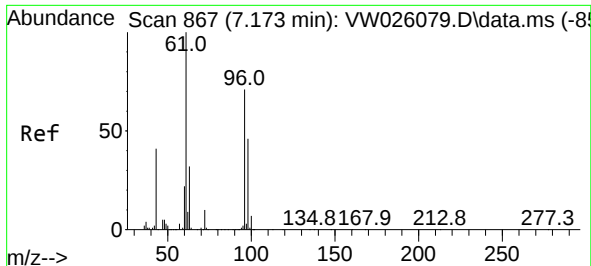
Ion Ratio Lower Upper

96 100

61 142.9 98.4 182.8

98 63.7 45.2 84.0

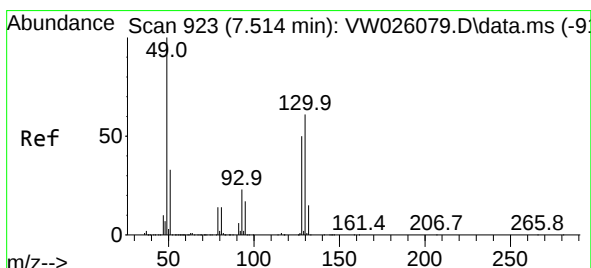
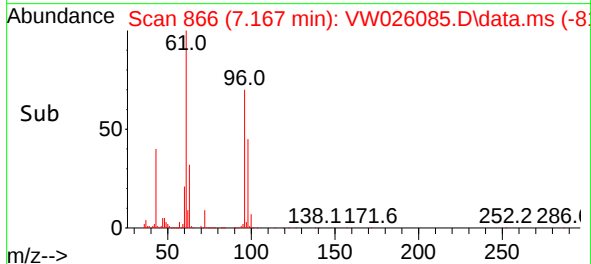
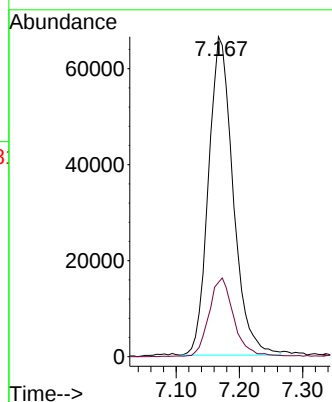
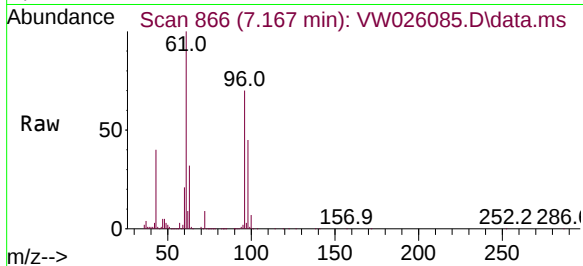




#22
2-Butanone
Concen: 51.278 ug/L
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

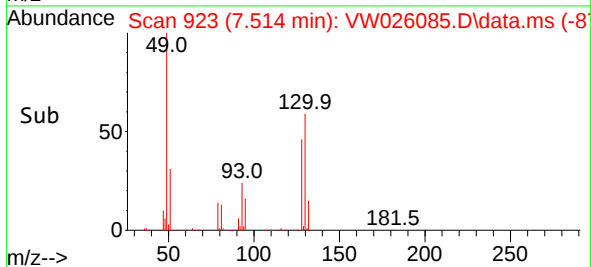
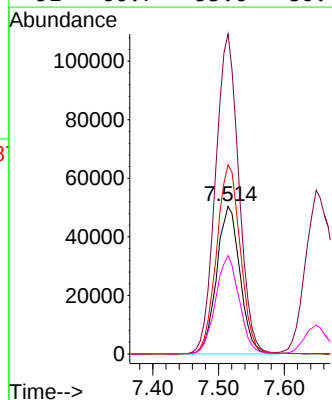
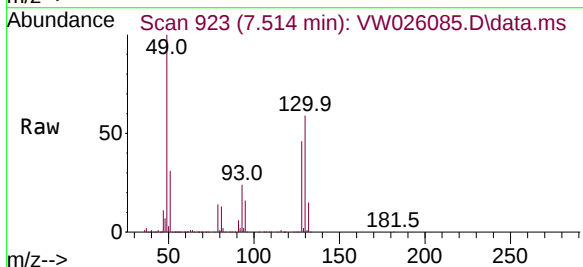
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

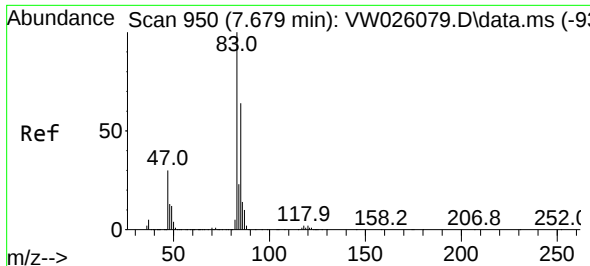
Tgt Ion: 43 Resp: 179647
Ion Ratio Lower Upper
43 100
72 24.2 12.4 37.4



#23
Bromochloromethane
Concen: 24.891 ug/L
RT: 7.514 min Scan# 923
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 128 Resp: 124482
Ion Ratio Lower Upper
128 100
49 216.8 140.6 261.0
130 128.1 86.0 159.6
51 66.7 53.6 80.4

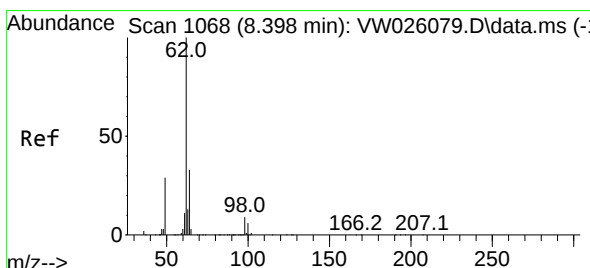
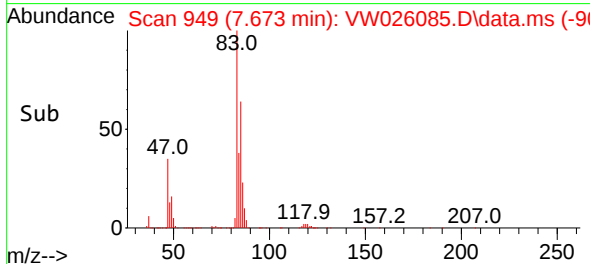
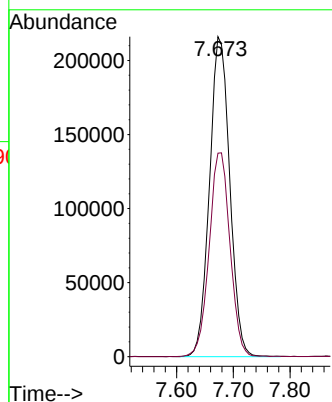
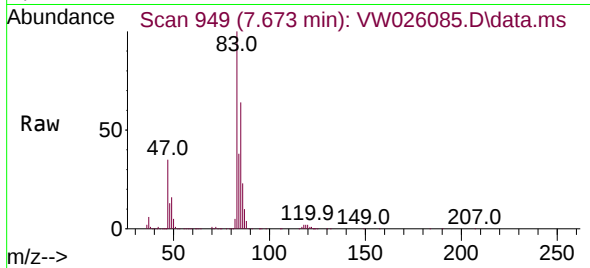




#25
Chloroform
Concen: 25.521 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

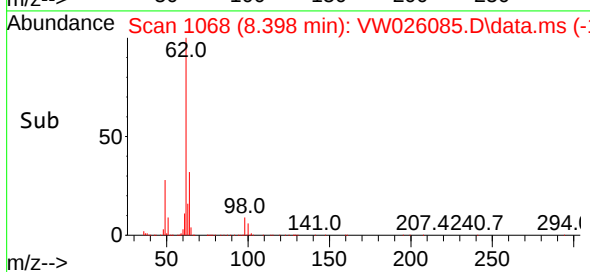
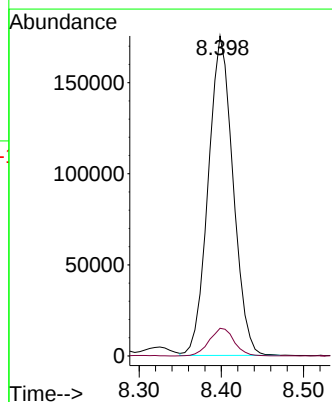
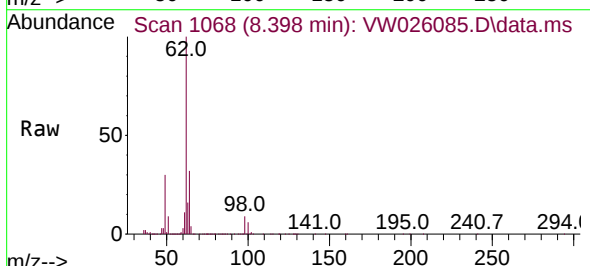
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

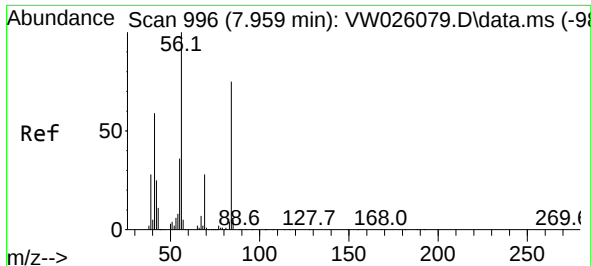
Tgt Ion: 83 Resp: 535724
Ion Ratio Lower Upper
83 100
85 63.6 45.1 83.7



#27
1,2-Dichloroethane
Concen: 25.400 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 62 Resp: 367732
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.2





#29

Cyclohexane

Concen: 27.871 ug/L

RT: 7.959 min Scan# 996

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

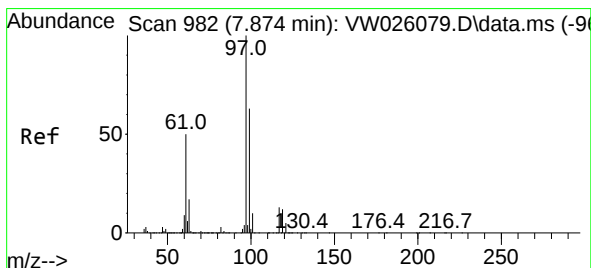
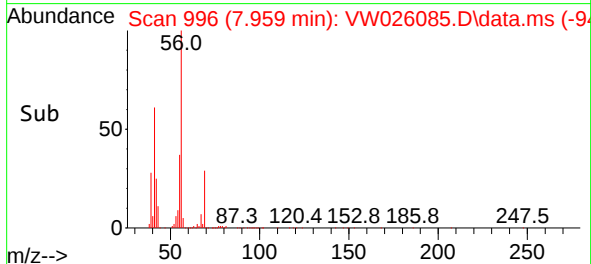
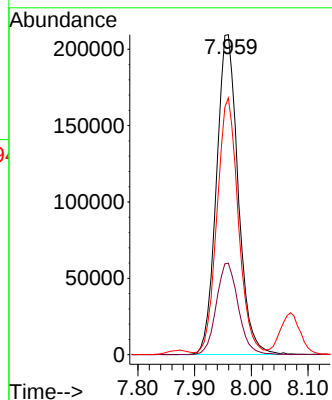
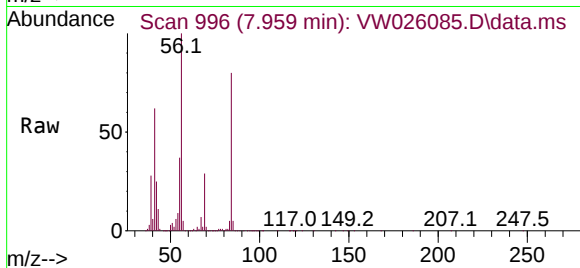
Tgt Ion: 56 Resp: 557204

Ion Ratio Lower Upper

56 100

69 29.0 23.3 34.9

84 78.8 63.0 94.6



#30

1,1,1-Trichloroethane

Concen: 26.842 ug/L

RT: 7.874 min Scan# 982

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

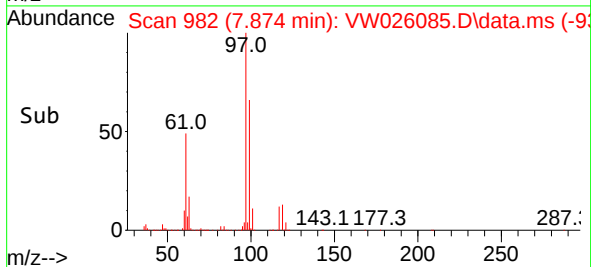
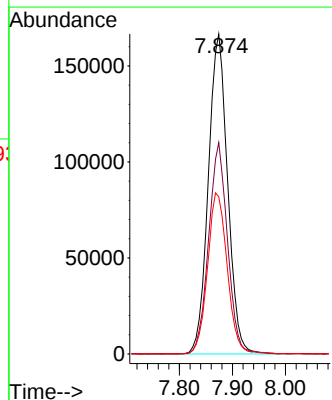
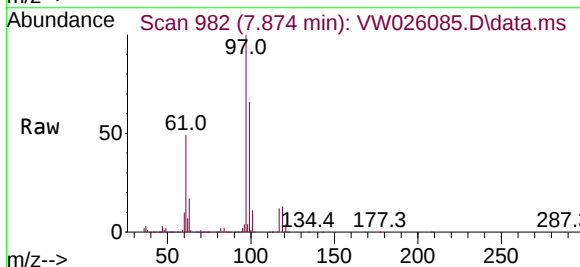
Tgt Ion: 97 Resp: 421801

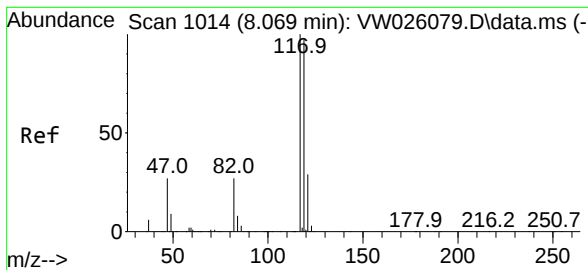
Ion Ratio Lower Upper

97 100

99 64.4 50.6 76.0

61 51.3 40.5 60.7

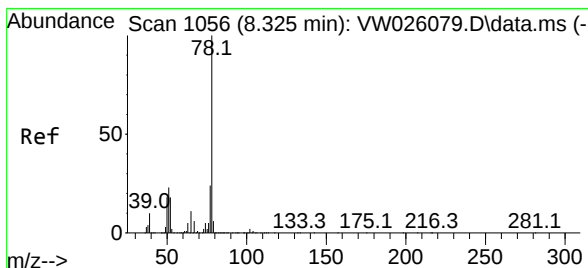
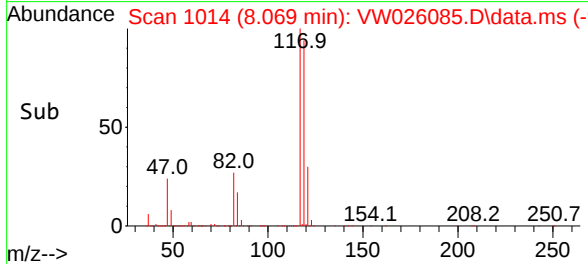
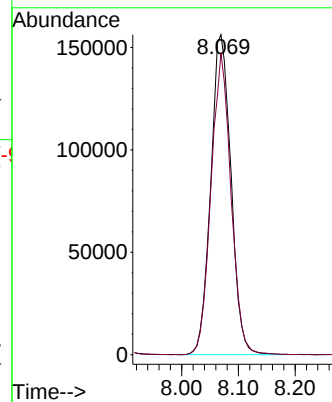
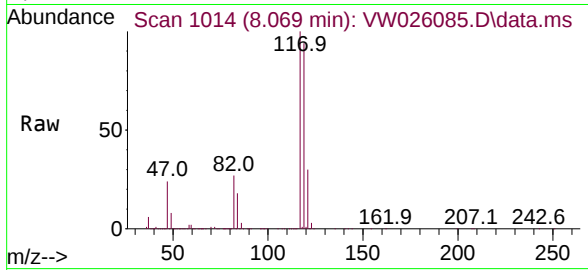




#31
Carbon tetrachloride
Concen: 26.996 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

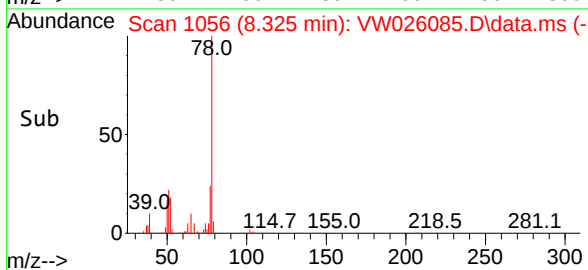
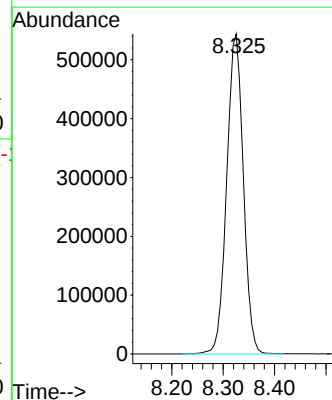
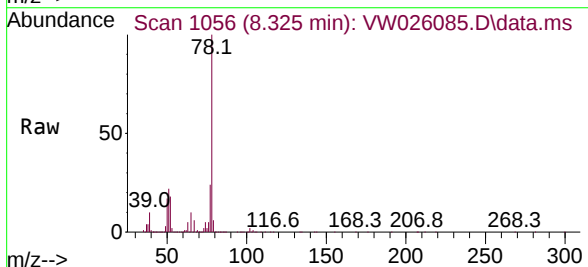
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

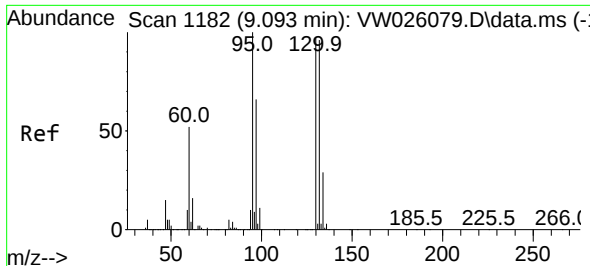
Tgt Ion:117 Resp: 387122
Ion Ratio Lower Upper
117 100
119 92.8 77.4 116.2



#33
Benzene
Concen: 27.514 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 78 Resp: 1220522



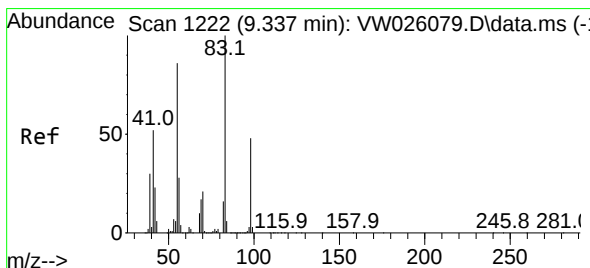
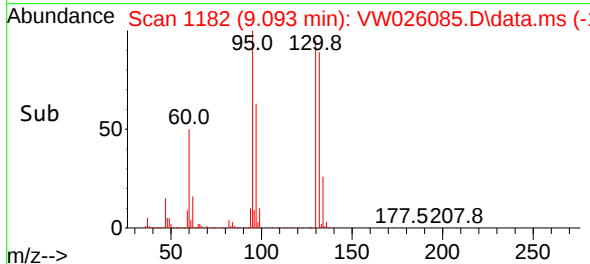
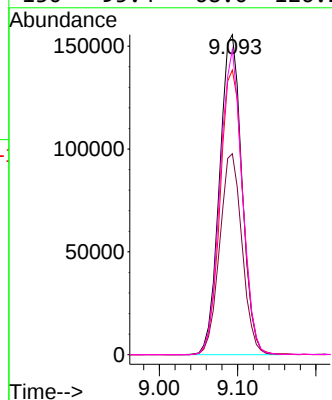
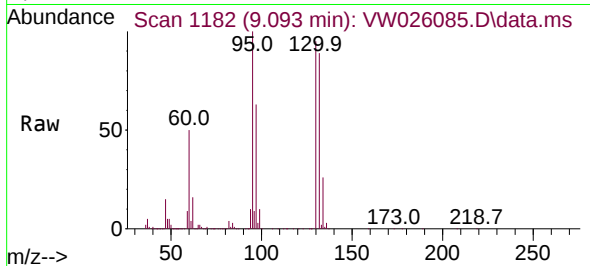


#34
Trichloroethene
Concen: 27.225 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

Tgt Ion: 95 Resp: 309247

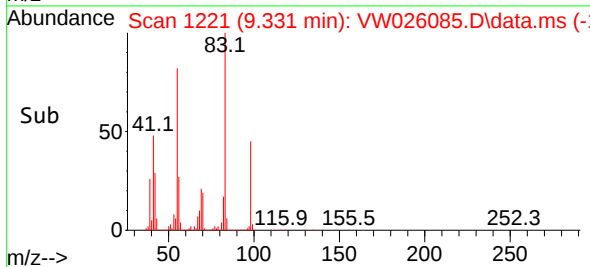
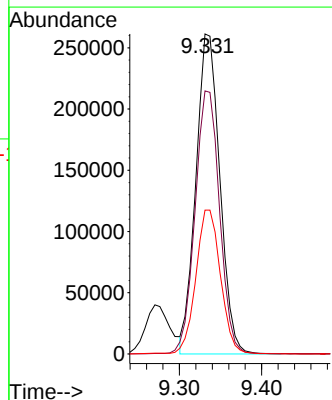
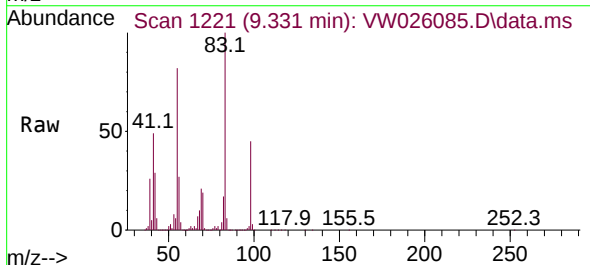
Ion	Ratio	Lower	Upper
95	100		
97	62.8	45.9	85.3
132	88.9	67.1	124.7
130	95.4	68.0	126.2

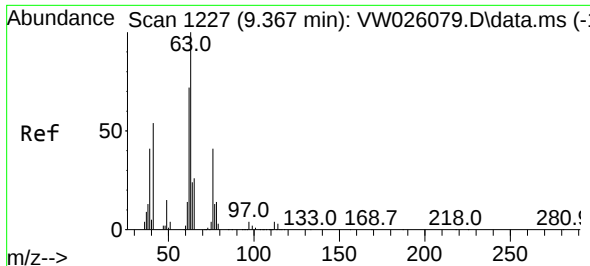


#35
Methylcyclohexane
Concen: 26.344 ug/L
RT: 9.331 min Scan# 1221
Delta R.T. -0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 83 Resp: 529498

Ion	Ratio	Lower	Upper
83	100		
55	84.3	68.2	102.4
98	46.2	38.1	57.1





#37

1,2-Dichloropropane

Concen: 25.929 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

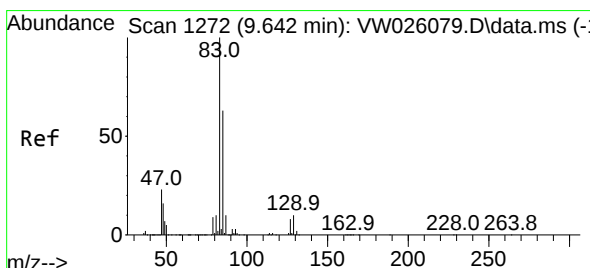
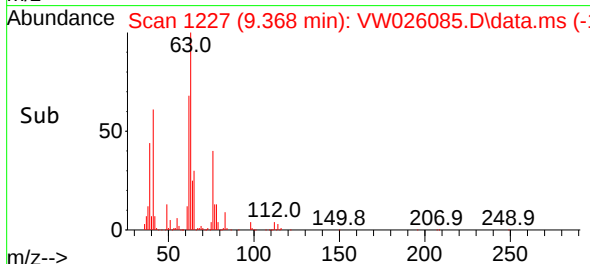
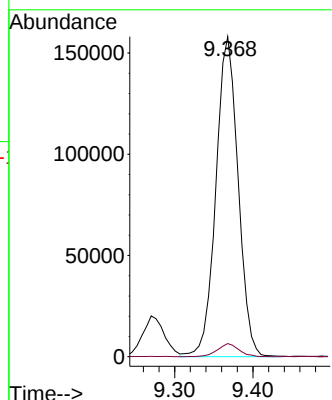
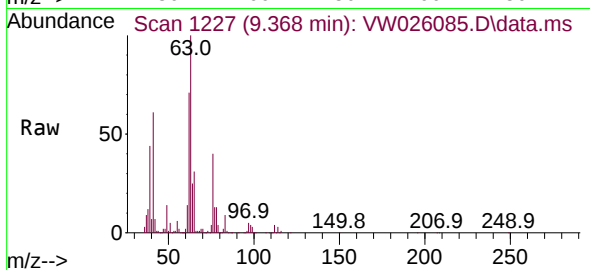
VSTD025502

Tgt Ion: 63 Resp: 311535

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 25.297 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

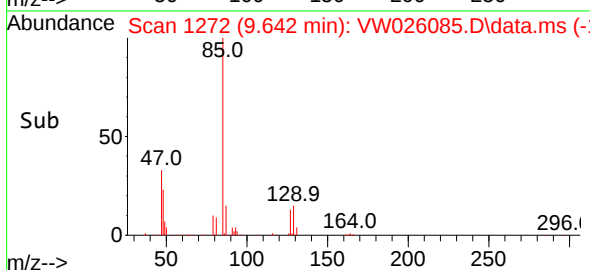
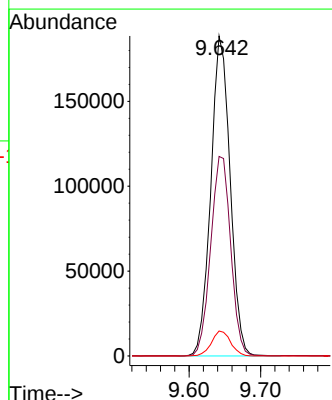
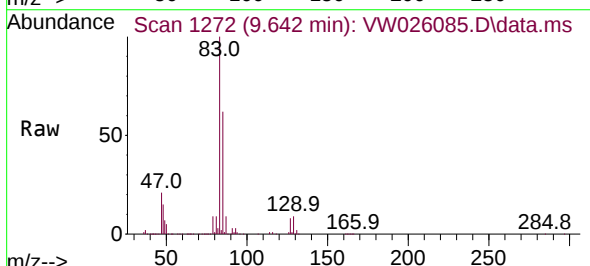
Tgt Ion: 83 Resp: 353116

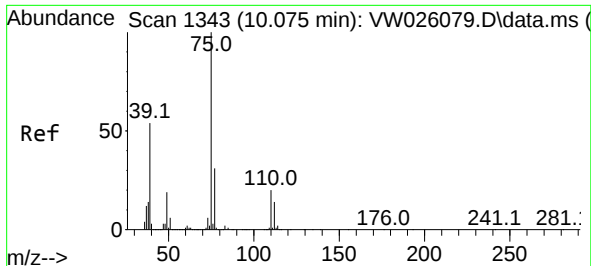
Ion Ratio Lower Upper

83 100

85 62.4 44.2 82.0

127 7.8 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 25.775 ug/L

RT: 10.075 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

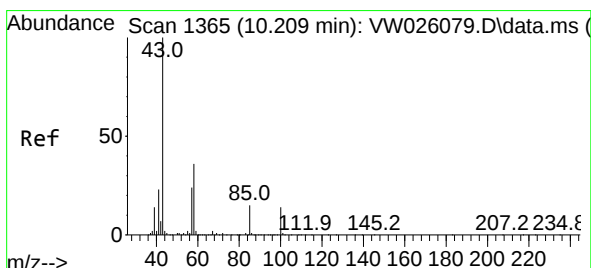
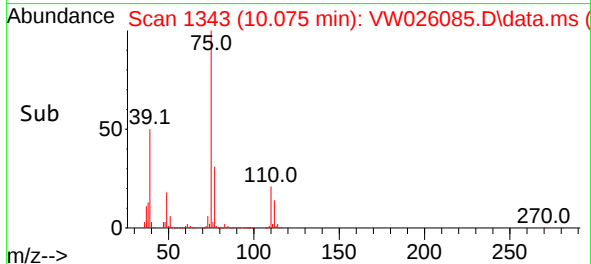
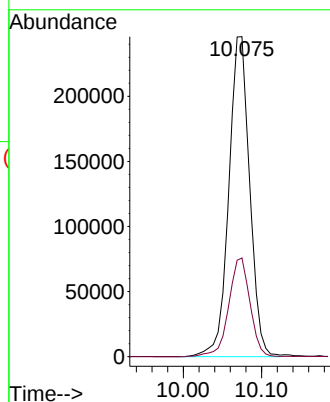
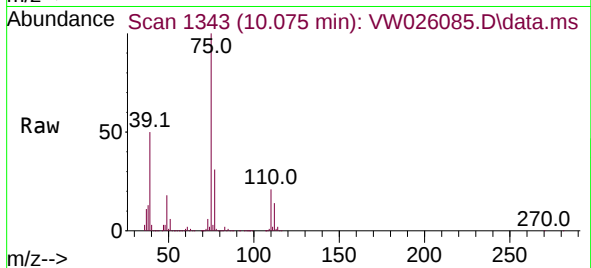
VSTD025502

Tgt Ion: 75 Resp: 455093

Ion Ratio Lower Upper

75 100

77 30.8 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 53.136 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

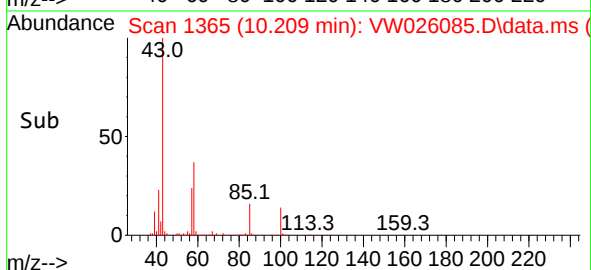
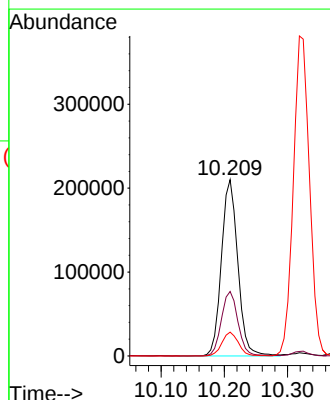
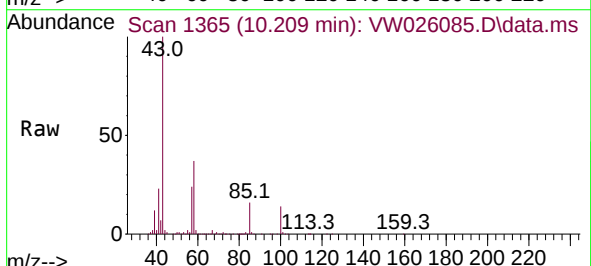
Tgt Ion: 43 Resp: 376394

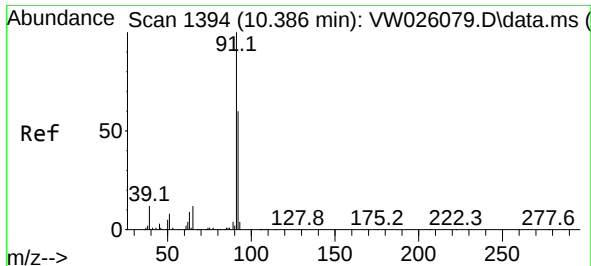
Ion Ratio Lower Upper

43 100

58 37.1 29.0 43.4

100 13.7 10.5 15.7

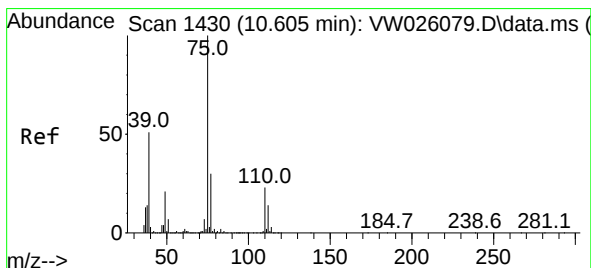
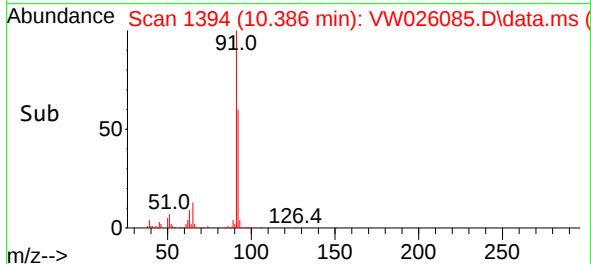
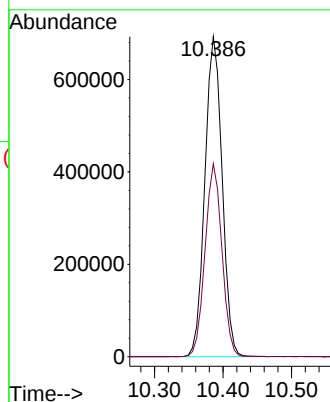
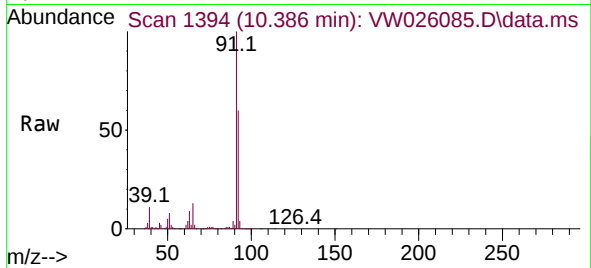




#42
Toluene
Concen: 26.742 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

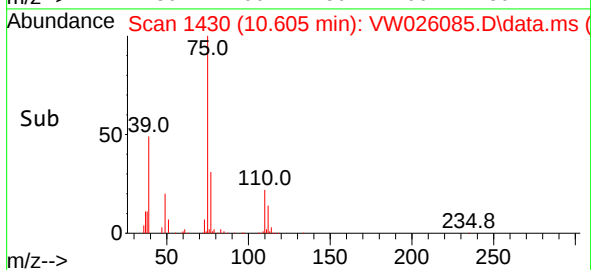
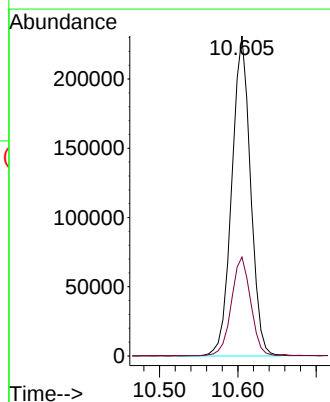
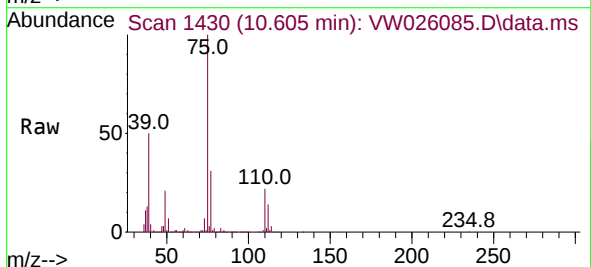
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

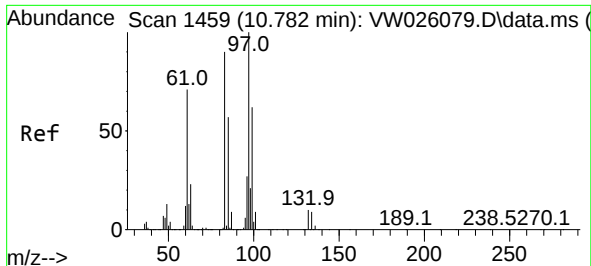
Tgt Ion: 91 Resp: 1213332
Ion Ratio Lower Upper
91 100
92 60.3 42.2 78.4



#44
trans-1,3-Dichloropropene
Concen: 26.113 ug/L
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 75 Resp: 384115
Ion Ratio Lower Upper
75 100
77 30.9 21.1 39.3



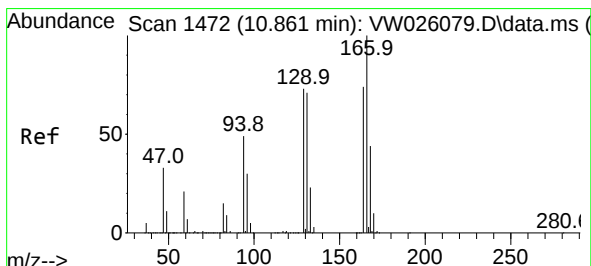
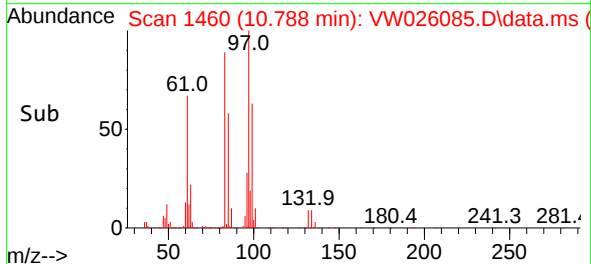
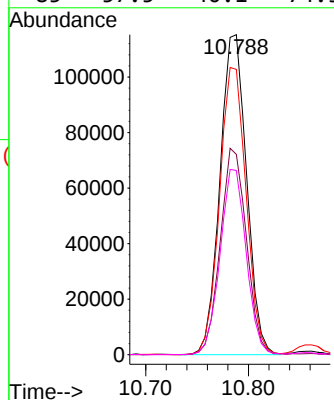
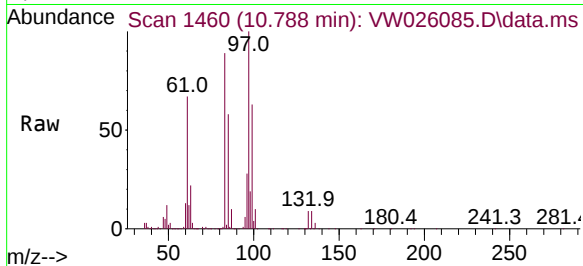


#45
1,1,2-Trichloroethane
Concen: 26.202 ug/L
RT: 10.788 min Scan# 1459
Delta R.T. 0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

Tgt Ion: 97 Resp: 207480

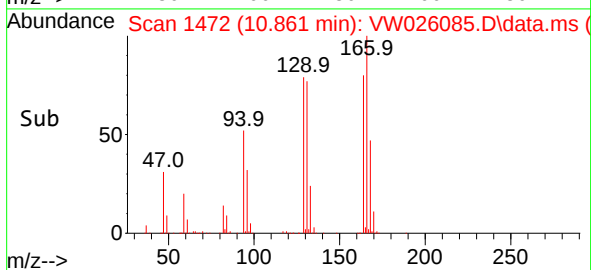
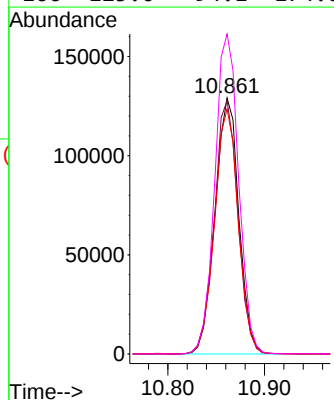
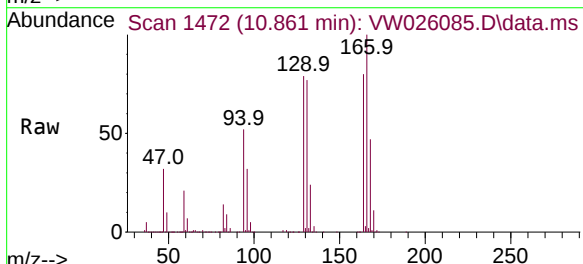
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.3	80.5
83	89.2	62.9	116.9
85	57.5	40.1	74.5

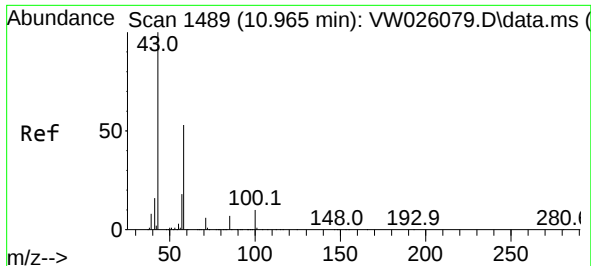


#46
Tetrachloroethene
Concen: 27.492 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 164 Resp: 220875

Ion	Ratio	Lower	Upper
164	100		
129	99.0	68.5	127.1
131	95.7	67.1	124.7
166	125.0	94.1	174.8

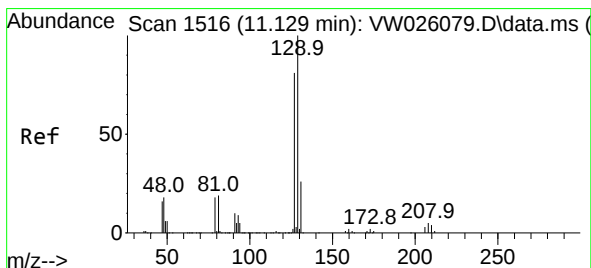
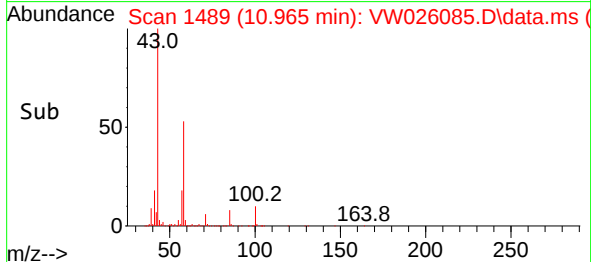
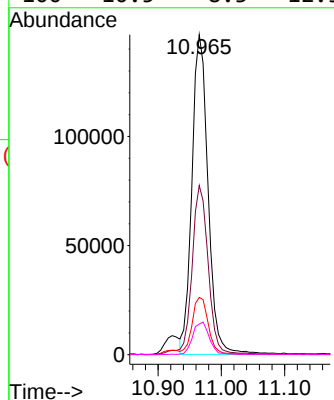
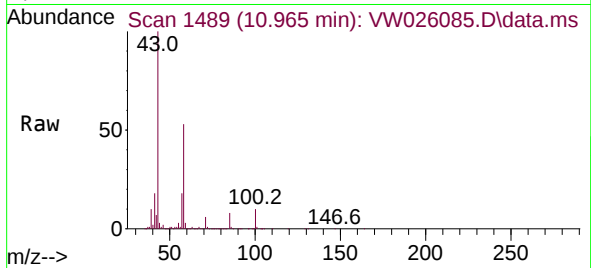




#48
2-Hexanone
Concen: 52.109 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

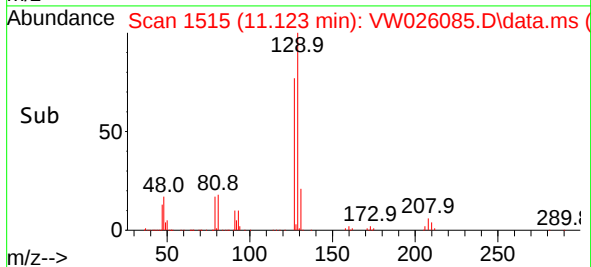
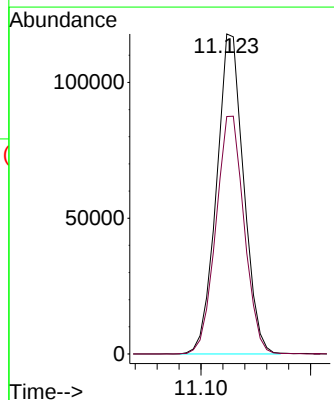
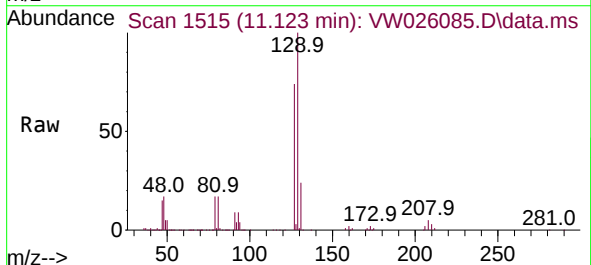
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

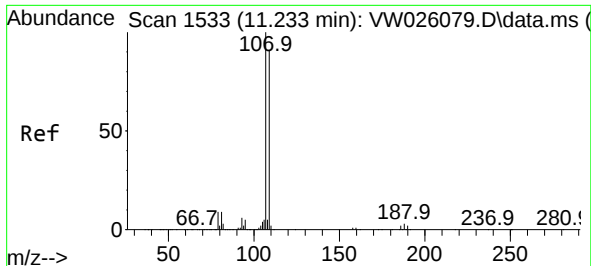
Tgt Ion: 43 Resp: 260266
Ion Ratio Lower Upper
43 100
58 52.1 42.2 63.2
57 17.9 14.2 21.2
100 10.5 8.3 12.5



#49
Dibromochloromethane
Concen: 24.414 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 129 Resp: 202692
Ion Ratio Lower Upper
129 100
127 74.2 56.9 105.7





#50

1,2-Dibromoethane

Concen: 24.393 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

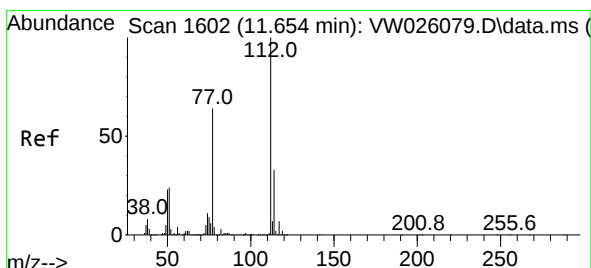
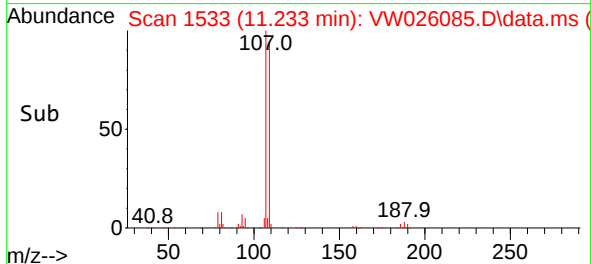
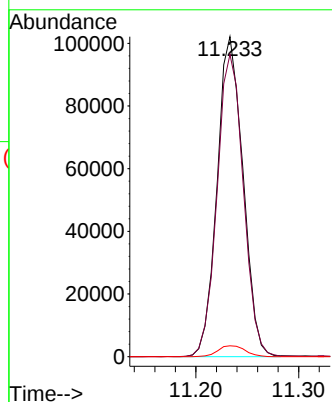
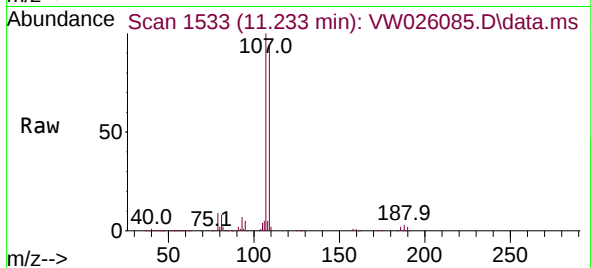
Tgt Ion:107 Resp: 178848

Ion Ratio Lower Upper

107 100

109 94.5 64.0 119.0

188 3.5 2.6 3.8



#51

Chlorobenzene

Concen: 25.517 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

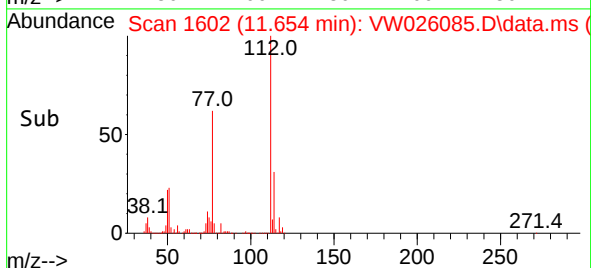
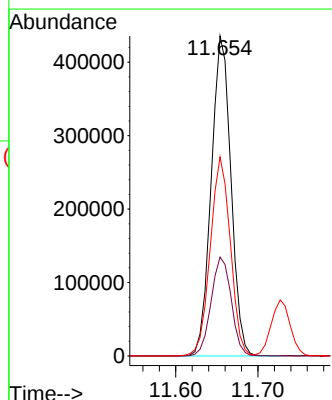
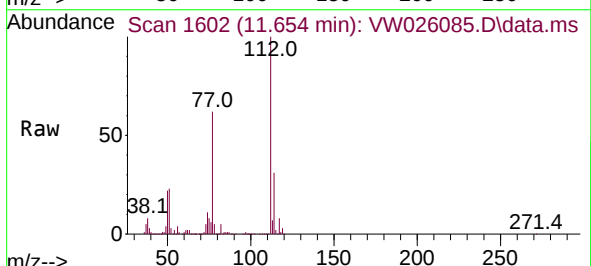
Tgt Ion:112 Resp: 725497

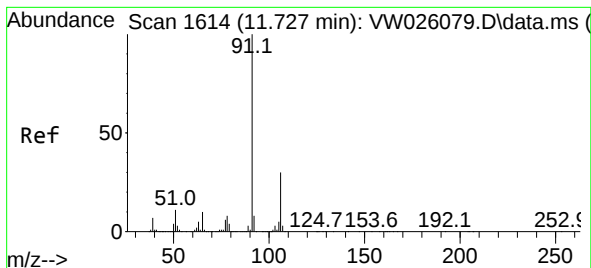
Ion Ratio Lower Upper

112 100

114 30.9 23.0 42.6

77 62.2 50.9 76.3

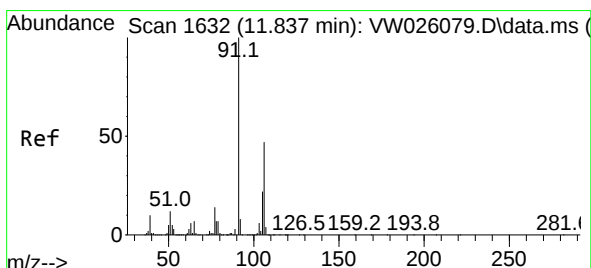
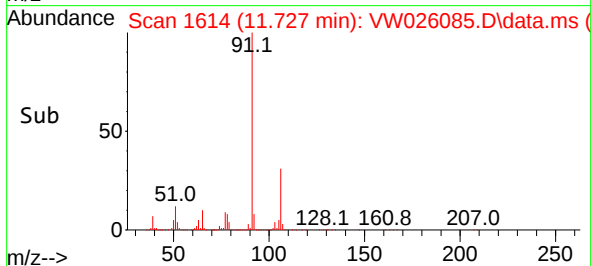
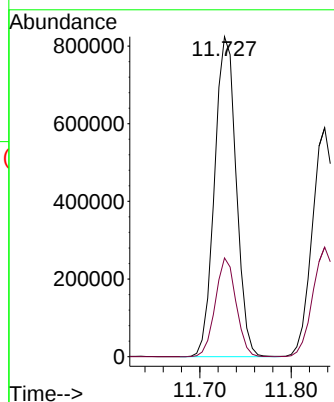
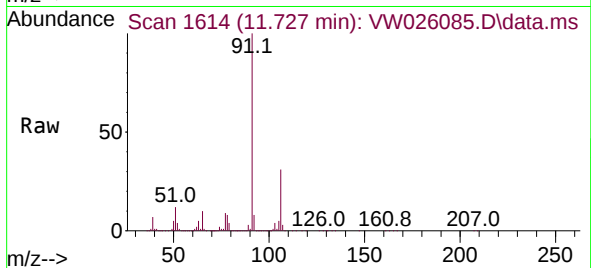




#52
Ethylbenzene
Concen: 26.498 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

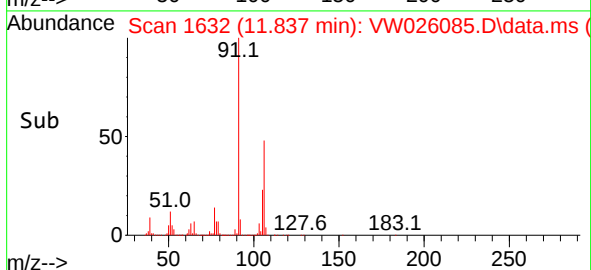
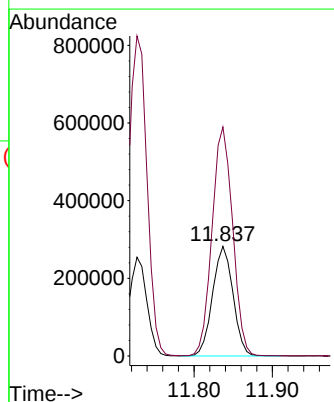
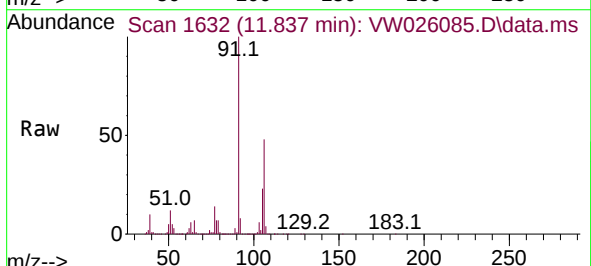
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

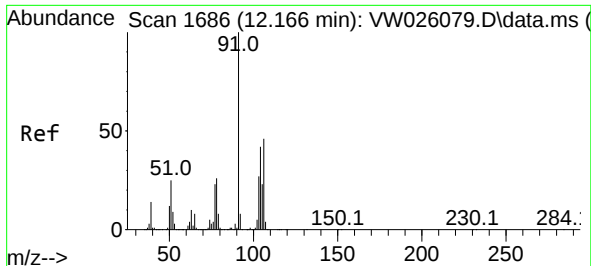
Tgt Ion: 91 Resp: 1356240
Ion Ratio Lower Upper
91 100
106 30.9 21.2 39.4



#53
m,p-Xylene
Concen: 26.906 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion: 106 Resp: 512304
Ion Ratio Lower Upper
106 100
91 208.7 149.5 277.7

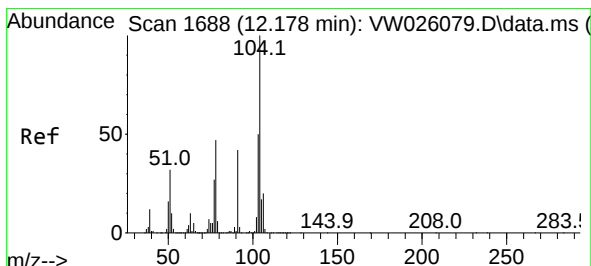
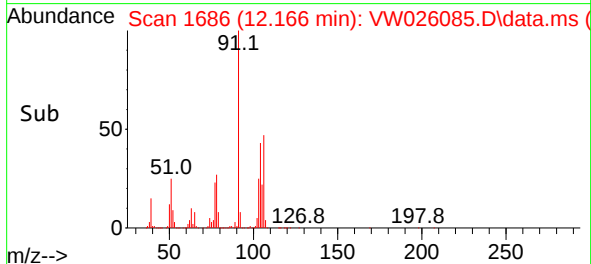
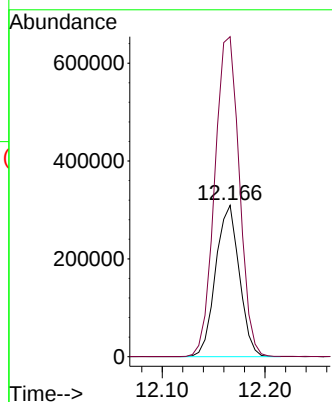
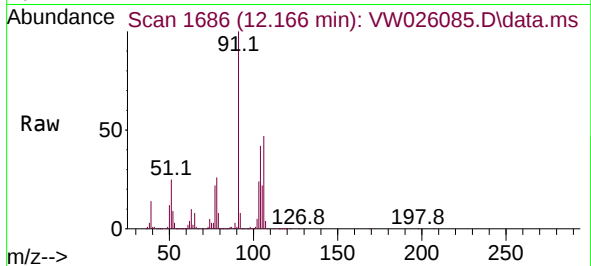




#54
o-Xylene
Concen: 27.489 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

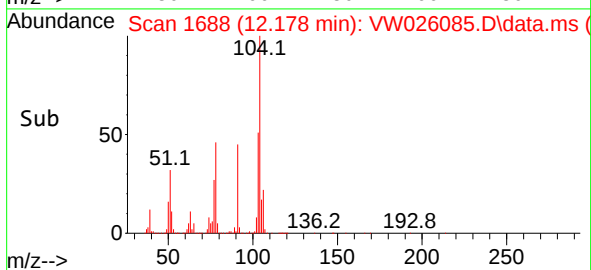
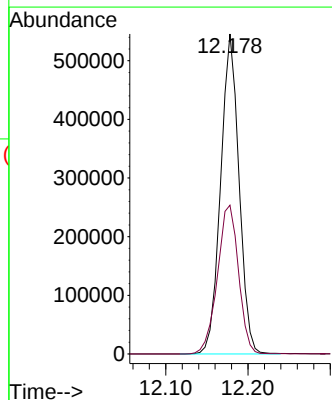
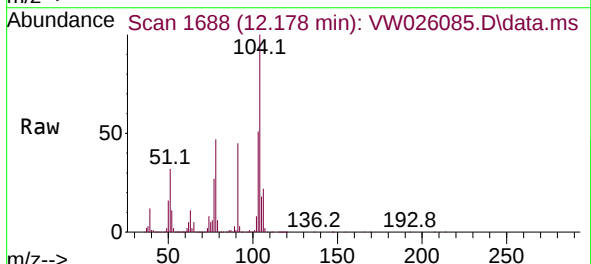
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

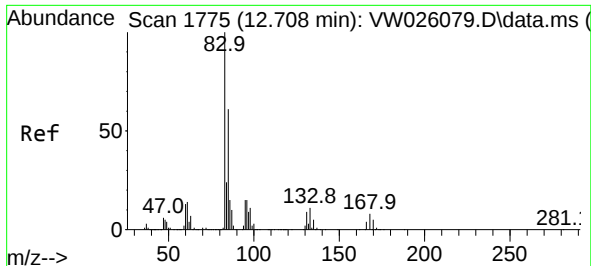
Tgt Ion:106 Resp: 494015
Ion Ratio Lower Upper
106 100
91 211.3 150.9 280.3



#55
Styrene
Concen: 27.470 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion:104 Resp: 846931
Ion Ratio Lower Upper
104 100
78 46.5 32.6 60.6





#57

1,1,2,2-Tetrachloroethane

Concen: 26.623 ug/L

RT: 12.709 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

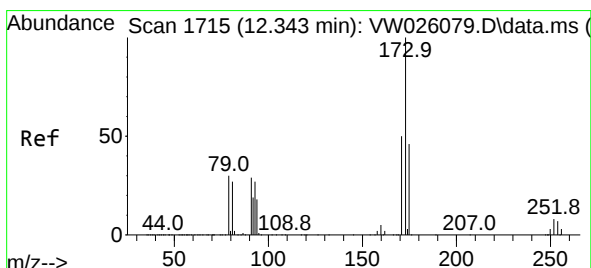
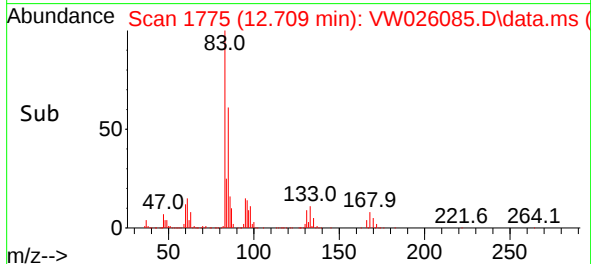
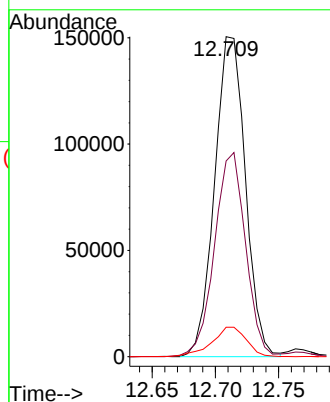
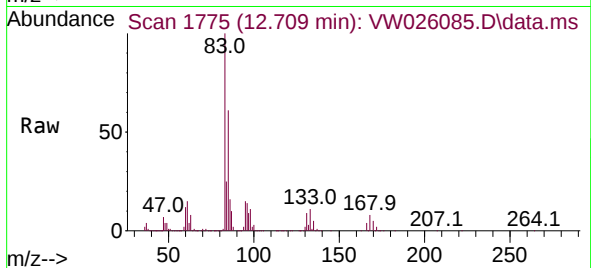
Tgt Ion: 83 Resp: 255132

Ion Ratio Lower Upper

83 100

85 61.2 42.6 79.0

131 9.2 7.2 10.8



#59

Bromoform

Concen: 24.539 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

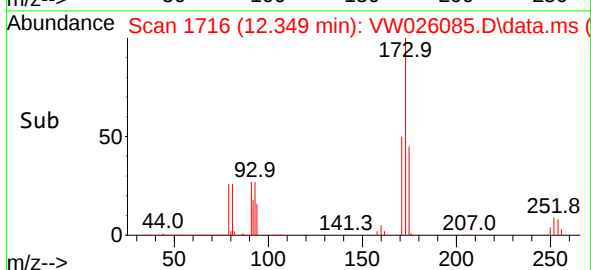
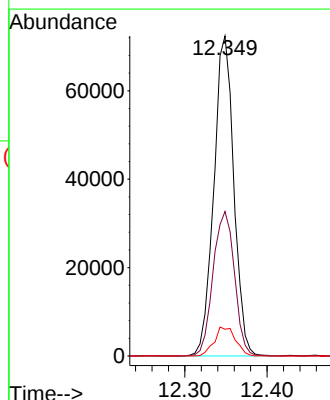
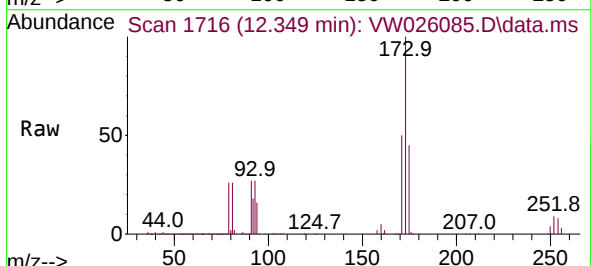
Tgt Ion:173 Resp: 122347

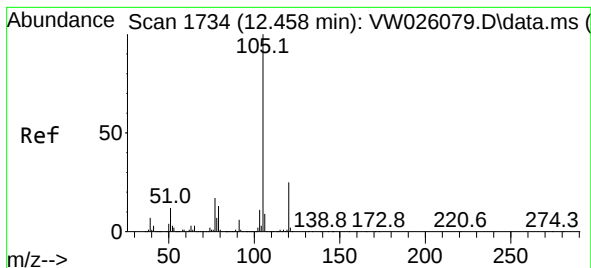
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 9.6 7.4 11.0





#60

Isopropylbenzene

Concen: 26.165 ug/L

RT: 12.459 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

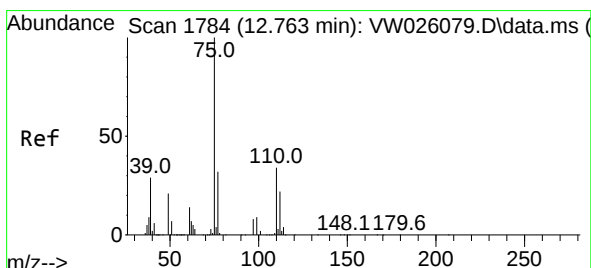
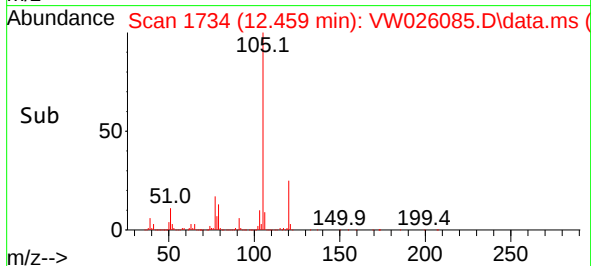
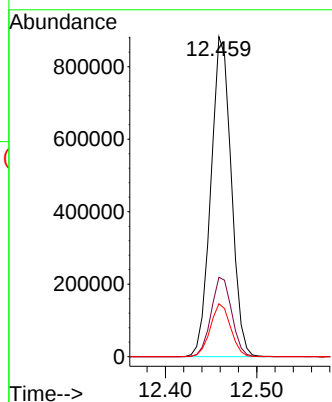
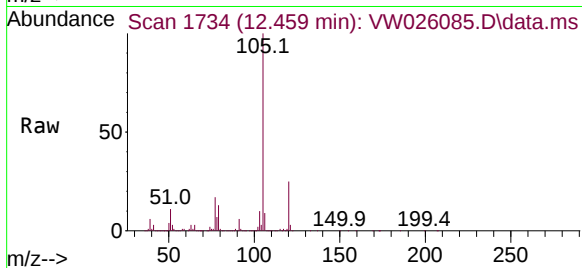
Tgt Ion:105 Resp: 1364405

Ion Ratio Lower Upper

105 100

120 25.1 19.8 29.8

77 16.5 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 25.141 ug/L

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

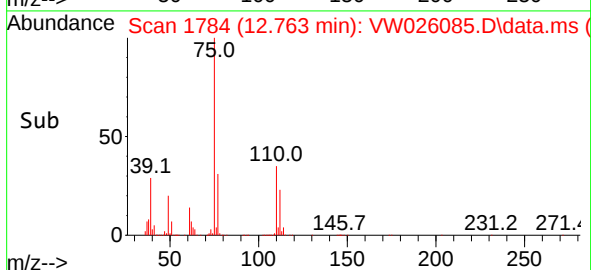
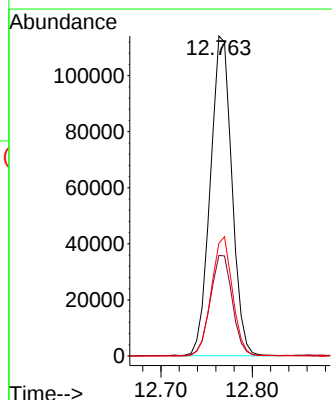
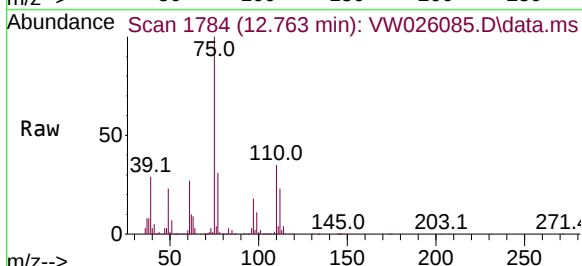
Tgt Ion: 75 Resp: 186938

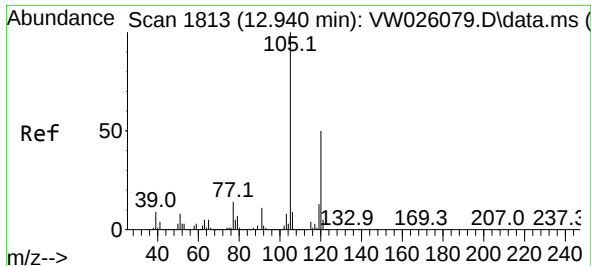
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

110 36.6 28.7 43.1





#62

1,3,5-Trimethylbenzene

Concen: 26.676 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

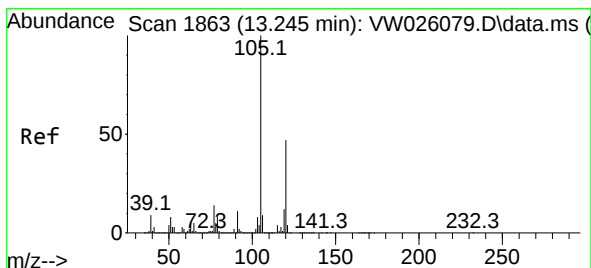
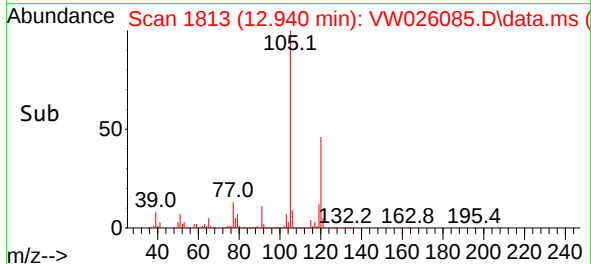
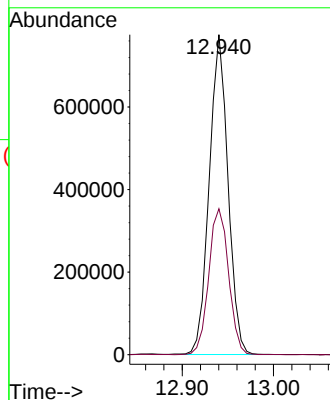
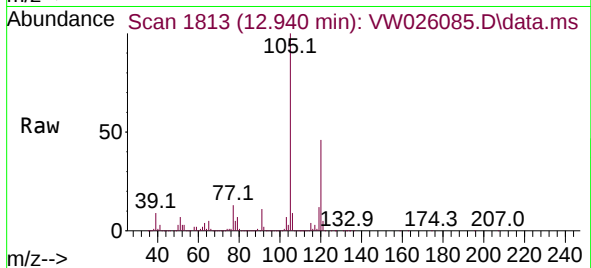
VSTD025502

Tgt Ion:105 Resp: 1105839

Ion Ratio Lower Upper

105 100

120 48.5 38.8 58.2



#63

1,2,4-Trimethylbenzene

Concen: 26.625 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW026085.D

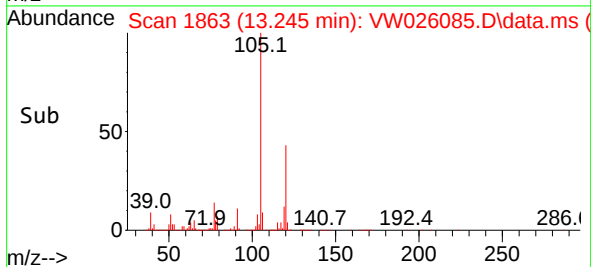
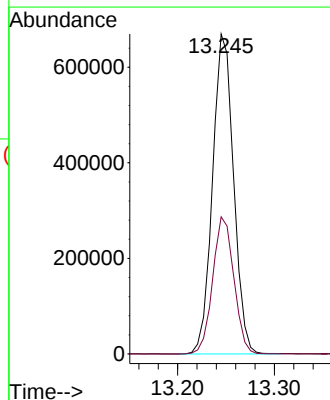
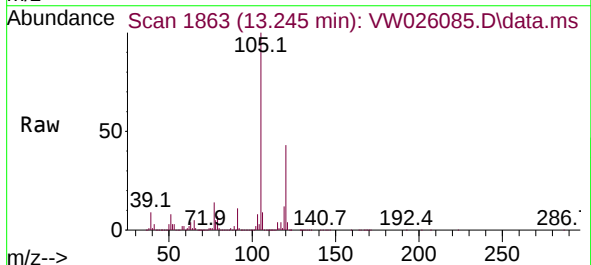
Acq: 30 May 2023 12:58

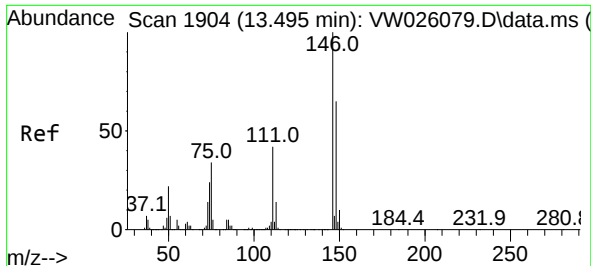
Tgt Ion:105 Resp: 1010902

Ion Ratio Lower Upper

105 100

120 43.1 36.2 54.2

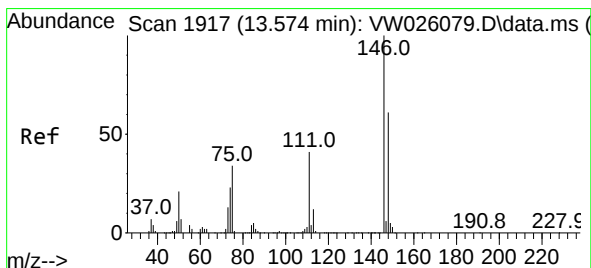
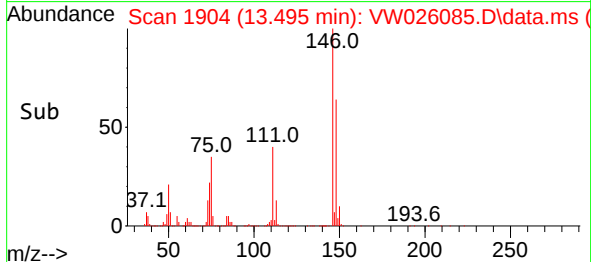
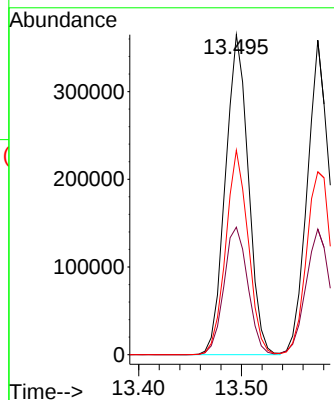
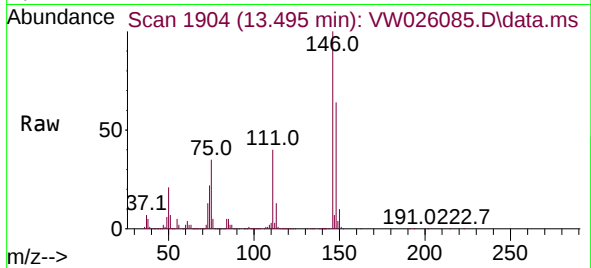




#64
1,3-Dichlorobenzene
Concen: 25.810 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

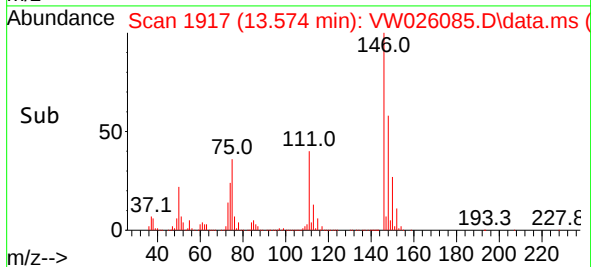
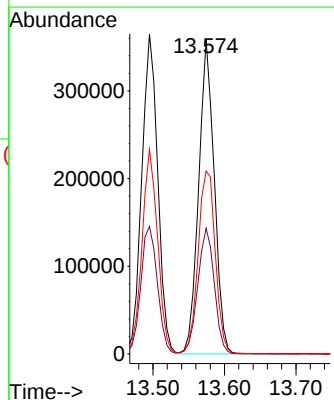
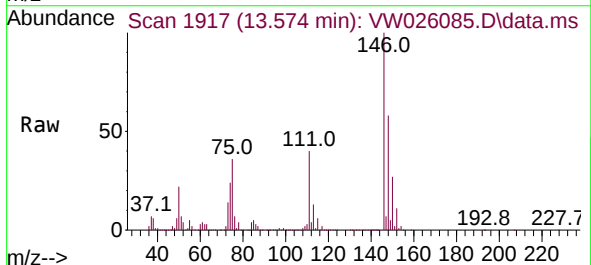
Instrument :
MSVOA_W
ClientSampleId :
VSTD025502

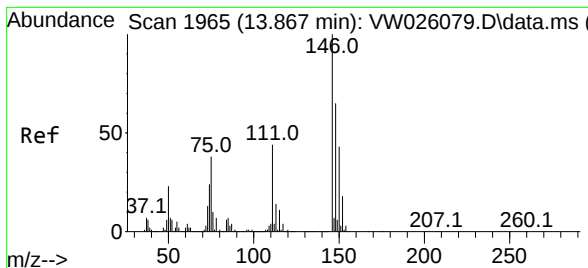
Tgt Ion:146 Resp: 565906
Ion Ratio Lower Upper
146 100
111 39.9 29.7 55.1
148 63.9 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 24.629 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026085.D
Acq: 30 May 2023 12:58

Tgt Ion:146 Resp: 543675
Ion Ratio Lower Upper
146 100
111 40.0 29.2 54.2
148 58.2 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 24.713 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

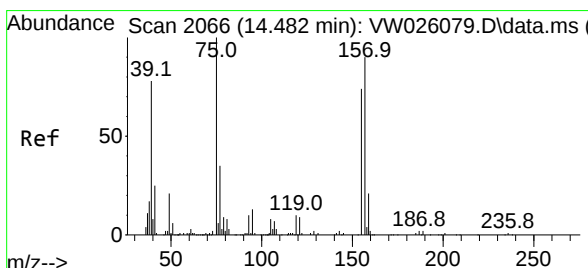
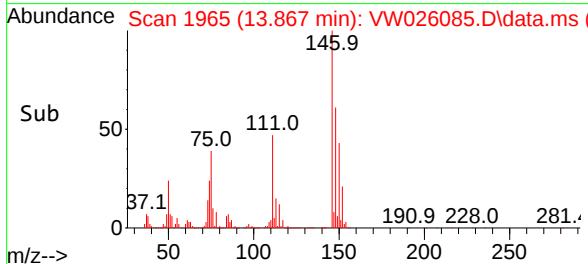
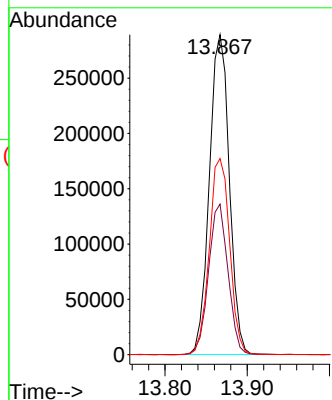
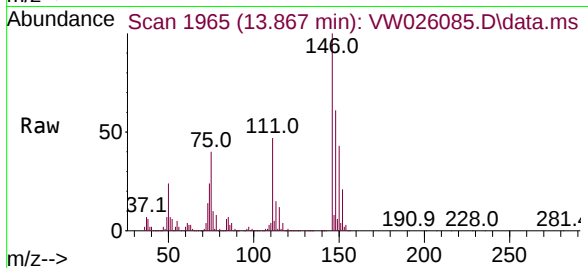
Tgt Ion:146 Resp: 486565

Ion Ratio Lower Upper

146 100

111 47.1 35.4 53.0

148 61.3 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 23.773 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

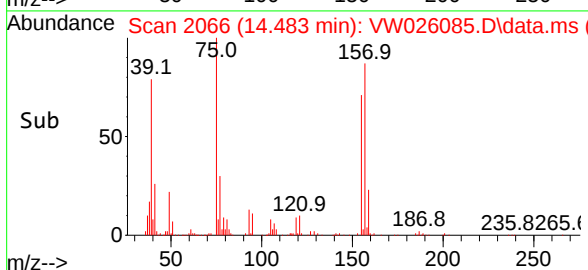
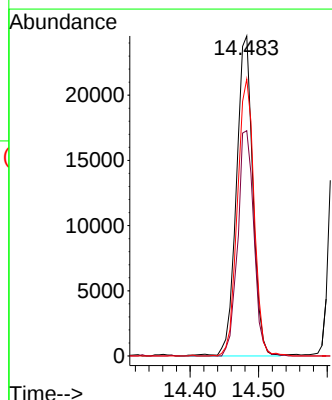
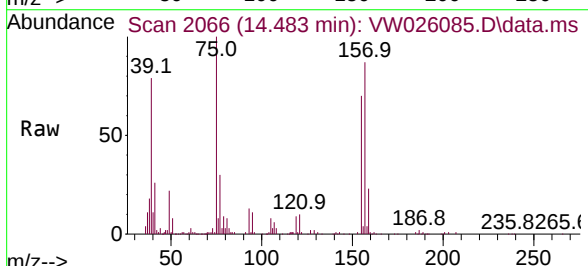
Tgt Ion: 75 Resp: 40953

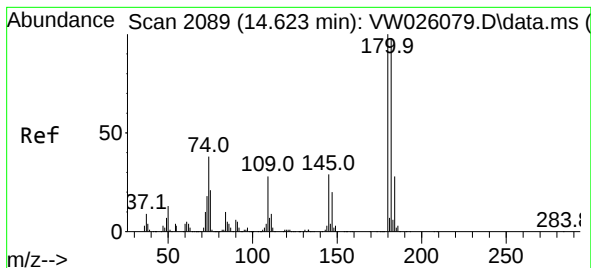
Ion Ratio Lower Upper

75 100

155 70.4 59.0 88.6

157 86.6 71.7 107.5





#69

1,3,5-Trichlorobenzene

Concen: 23.800 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

Tgt Ion:180 Resp: 358455

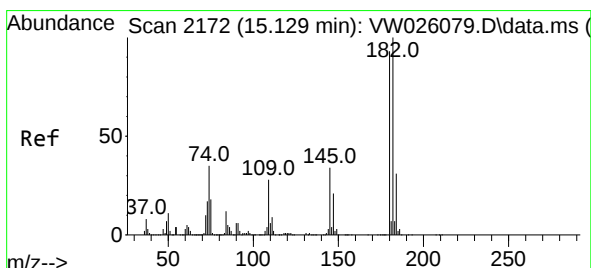
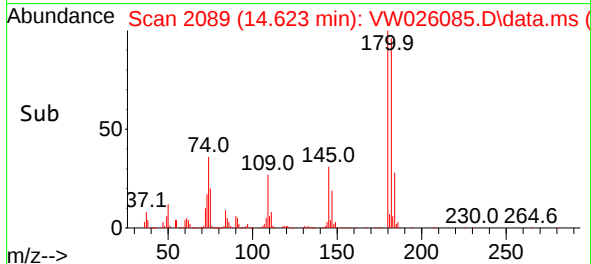
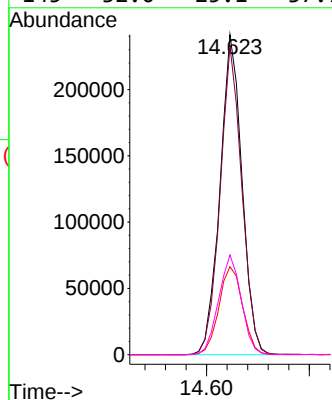
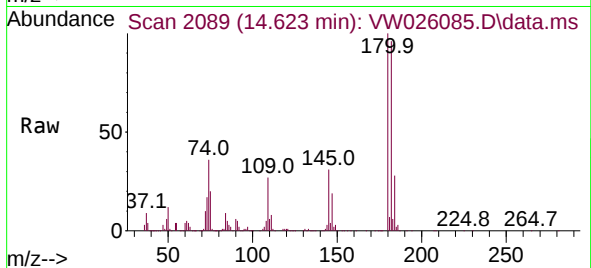
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

184 29.7 23.7 35.5

145 32.0 25.1 37.7



#70

1,2,4-trichlorobenzene

Concen: 24.773 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

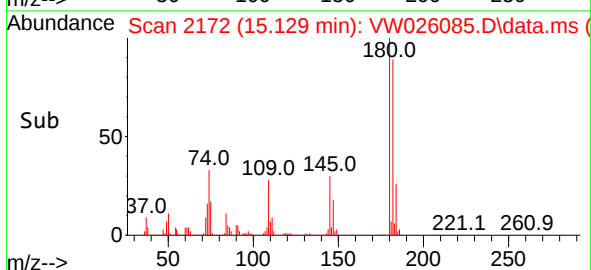
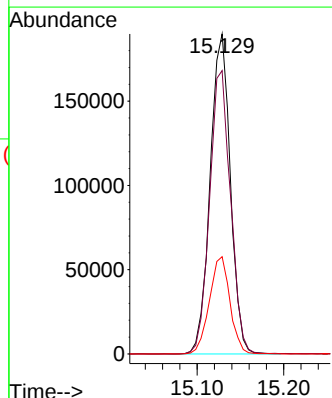
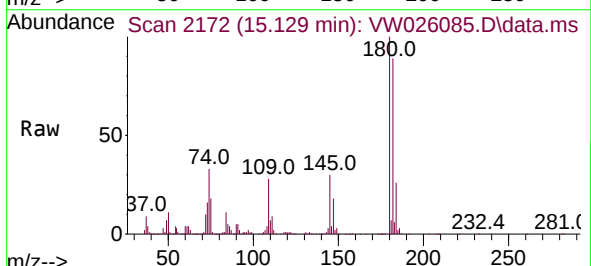
Tgt Ion:180 Resp: 307875

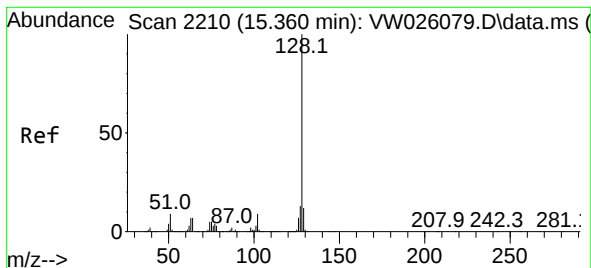
Ion Ratio Lower Upper

180 100

182 91.6 78.9 118.3

145 31.0 27.2 40.8





#71

Naphthalene

Concen: 25.887 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Instrument :

MSVOA_W

ClientSampleId :

VSTD025502

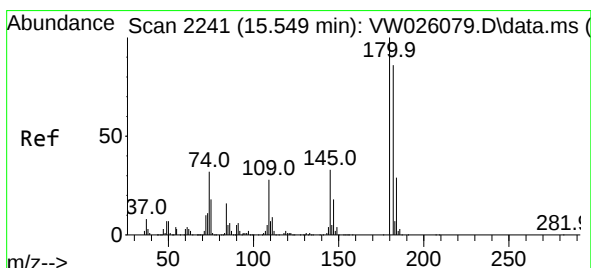
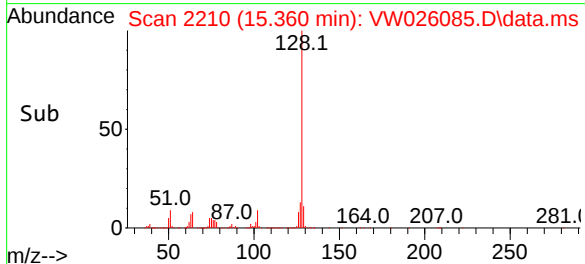
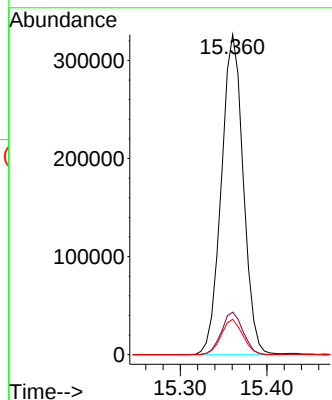
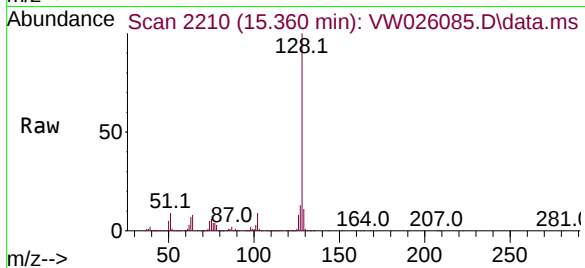
Tgt Ion:128 Resp: 573382

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 24.552 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026085.D

Acq: 30 May 2023 12:58

Tgt Ion:180 Resp: 266670

Ion Ratio Lower Upper

180 100

182 95.0 76.3 114.5

145 33.0 27.0 40.6

