

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051222\
 Data File : VW022989.D
 Acq On : 12 May 2022 08:40
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025528

Quant Time: May 13 01:04:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 12 01:07:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	318191	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	313383	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	182461	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	115718	17.726	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.920%
7) Chloroethane-d5	2.885	69	91997	21.661	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.640%
11) 1,1-Dichloroethene-d2	4.019	63	172246	20.420	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.680%
21) 2-Butanone-d5	7.074	46	70695	56.956	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.920%
24) Chloroform-d	7.647	84	239067	25.645	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.560%
26) 1,2-Dichloroethane-d4	8.305	65	129041	25.238	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.960%
32) Benzene-d6	8.275	84	428013	23.695	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	9.274	67	127799	25.187	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.760%
41) Toluene-d8	10.323	98	406709	23.308	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.240%
43) trans-1,3-Dichloroprop...	10.579	79	56078	24.003	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.000%
47) 2-Hexanone-d5	10.920	63	57325	59.182	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.360%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	136131	28.785	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.120%
66) 1,2-Dichlorobenzene-d4	13.853	152	161335	25.295	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	32086	18.498	ug/L	100
3) Chloromethane	2.221	50	75575	22.547	ug/L	99
5) Vinyl chloride	2.361	62	146532	21.783	ug/L	99
6) Bromomethane	2.776	94	90153	20.873	ug/L	95
8) Chloroethane	2.922	64	73540	22.666	ug/L	97
9) Trichlorofluoromethane	3.257	101	72813	23.682	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	111716	24.301	ug/L	98
12) 1,1-Dichloroethene	4.044	96	90567	22.223	ug/L	84
13) Acetone	4.123	43	39932	42.971	ug/L	94
14) Carbon disulfide	4.385	76	207021	18.529	ug/L	97
16) Methylene chloride	4.915	84	107362	23.059	ug/L	95
17) trans-1,2-Dichloroethene	5.421	96	101599	22.154	ug/L	96
18) Methyl tert-butyl Ether	5.428	73	176157	25.162	ug/L	100
19) 1,1-Dichloroethane	6.220	63	190285	24.481	ug/L	97
20) cis-1,2-Dichloroethene	7.165	96	119289	24.217	ug/L #	99
22) 2-Butanone	7.171	43	62806	48.327	ug/L	99
23) Bromochloromethane	7.513	128	55299	23.971	ug/L	95
25) Chloroform	7.671	83	217096	25.259	ug/L	97
27) 1,2-Dichloroethane	8.396	62	141271	24.658	ug/L	99

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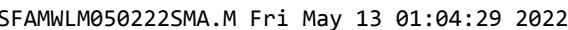
Instrument :
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 ClientSampleId :
 VSTD025528

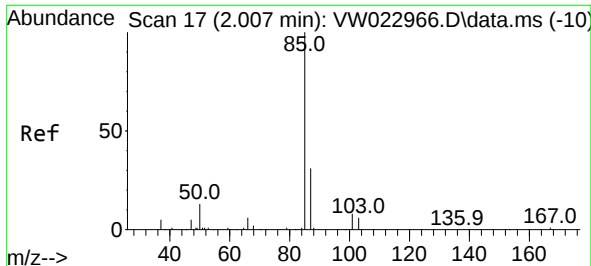
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu May 12 01:07:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.958	56	153183	22.602	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	186432	25.174	ug/L	99
31) Carbon tetrachloride	8.067	117	168451	24.316	ug/L	100
33) Benzene	8.323	78	448855	24.313	ug/L	100
34) Trichloroethene	9.091	95	121007	23.834	ug/L	97
35) Methylcyclohexane	9.335	83	194302	23.296	ug/L	99
37) 1,2-Dichloropropane	9.366	63	110411	24.714	ug/L	100
38) Bromodichloromethane	9.640	83	162196	25.560	ug/L	99
39) cis-1,3-Dichloropropene	10.073	75	179465	25.907	ug/L	98
40) 4-Methyl-2-pentanone	10.207	43	138597	49.219	ug/L	99
42) Toluene	10.384	91	510260	24.663	ug/L	99
44) trans-1,3-Dichloropropene	10.603	75	161129	26.059	ug/L	99
45) 1,1,2-Trichloroethane	10.786	97	95251	25.504	ug/L	97
46) Tetrachloroethene	10.859	164	91246	23.914	ug/L	97
48) 2-Hexanone	10.969	43	97589	51.868	ug/L	98
49) Dibromochloromethane	11.128	129	114433	25.458	ug/L	98
50) 1,2-Dibromoethane	11.237	107	91824	24.485	ug/L	92
51) Chlorobenzene	11.658	112	346090	25.373	ug/L	97
52) Ethylbenzene	11.731	91	589419	25.607	ug/L	99
53) m,p-Xylene	11.841	106	233728	25.771	ug/L	95
54) o-Xylene	12.164	106	224742	25.823	ug/L	98
55) Styrene	12.176	104	397053	26.848	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.713	83	123922	26.565	ug/L	97
59) Bromoform	12.347	173	61190	23.664	ug/L	99
60) Isopropylbenzene	12.463	105	620213	24.812	ug/L	99
61) 1,2,3-Trichloropropane	12.768	75	86352	23.686	ug/L	99
62) 1,3,5-Trimethylbenzene	12.938	105	349005	25.097	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	524652	25.126	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	279283	25.025	ug/L	90
65) 1,4-Dichlorobenzene	13.572	146	283847	24.624	ug/L	95
67) 1,2-Dichlorobenzene	13.865	146	260079	25.467	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.481	75	18372	23.058	ug/L	93
69) 1,3,5-Trichlorobenzene	14.627	180	186345	25.155	ug/L	98
70) 1,2,4-trichlorobenzene	15.127	180	143075	24.010	ug/L	96
71) Naphthalene	15.359	128	326874	25.238	ug/L	99
72) 1,2,3-Trichlorobenzene	15.548	180	131482	24.895	ug/L	99

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

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Response via : Initial Calibration

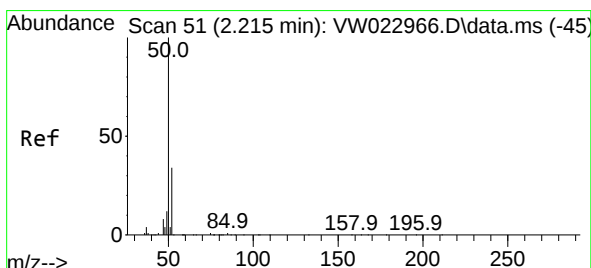
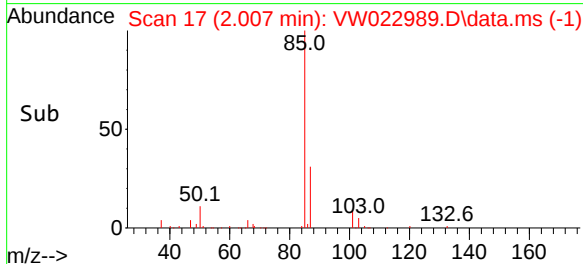
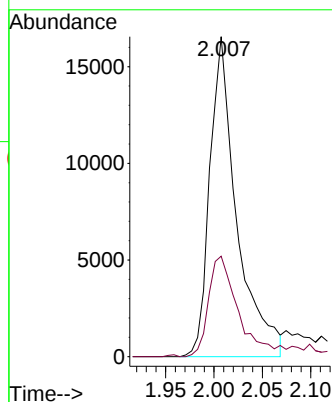
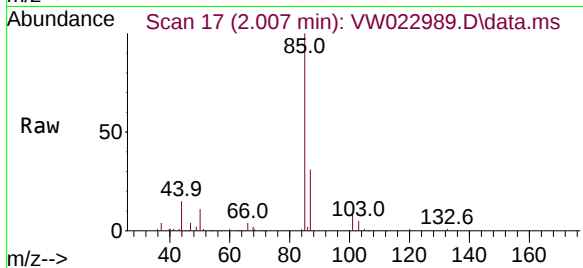




#2
 Dichlorodifluoromethane
 Concen: 18.498 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

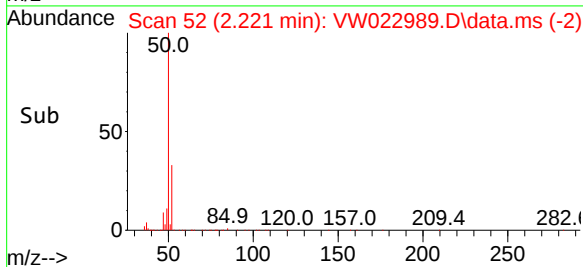
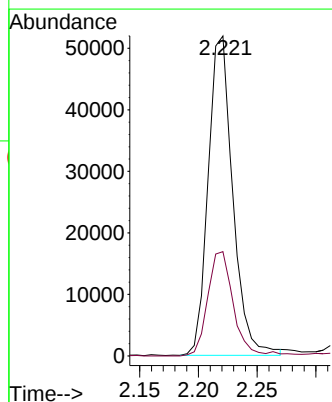
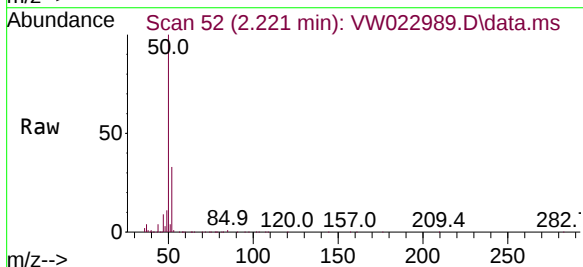
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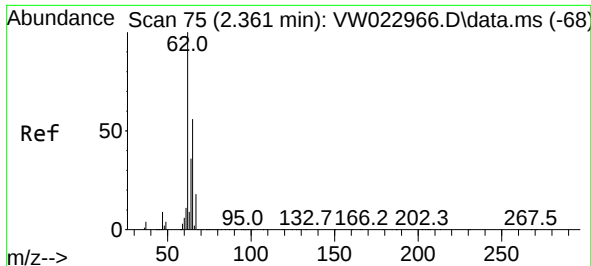
Tgt Ion: 85 Resp: 32086
 Ion Ratio Lower Upper
 85 100
 87 35.0 27.8 41.8



#3
 Chloromethane
 Concen: 22.547 ug/L
 RT: 2.221 min Scan# 52
 Delta R.T. 0.006 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

Tgt Ion: 50 Resp: 75575
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.1 42.9

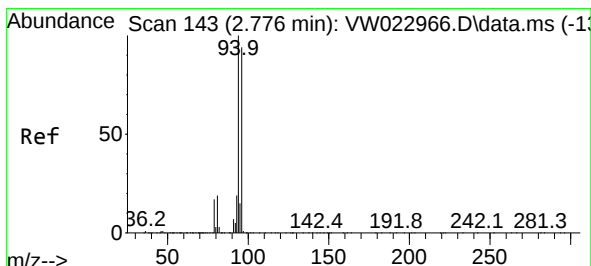
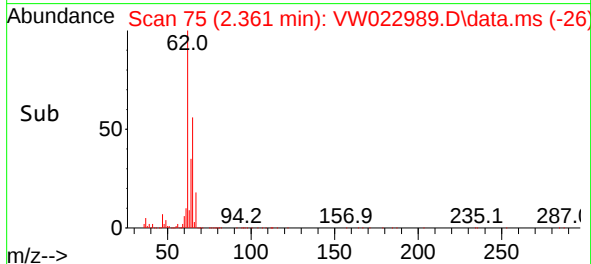
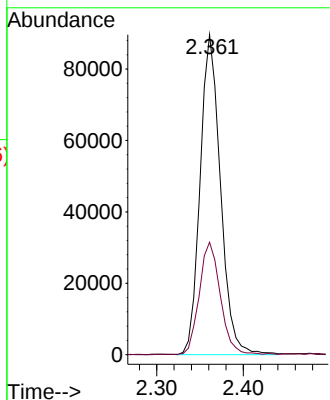
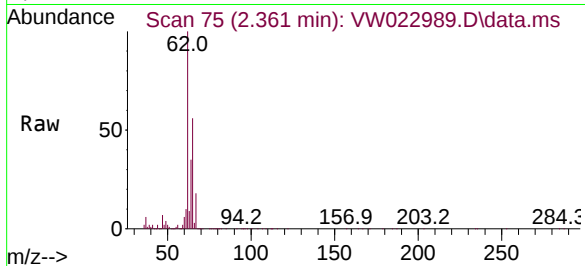




#5
 Vinyl chloride
 Concen: 21.783 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

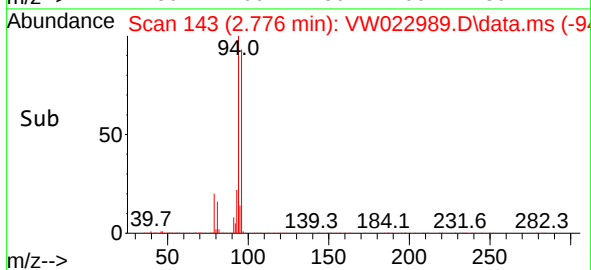
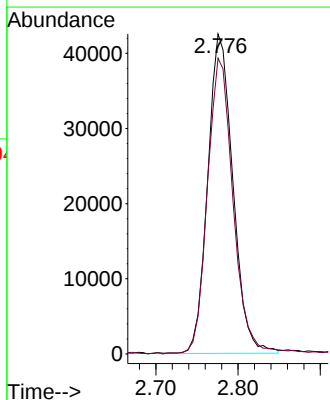
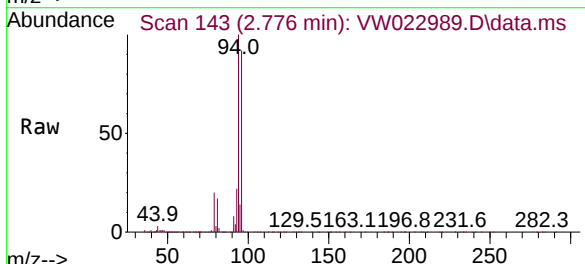
Instrument :
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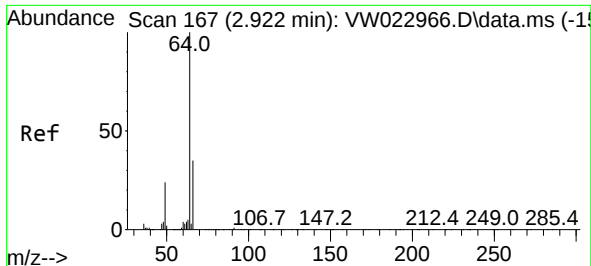
Tgt Ion: 62 Resp: 146532
 Ion Ratio Lower Upper
 62 100
 64 35.1 24.9 46.3



#6
 Bromomethane
 Concen: 20.873 ug/L
 RT: 2.776 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

Tgt Ion: 94 Resp: 90153
 Ion Ratio Lower Upper
 94 100
 96 92.4 61.7 114.5

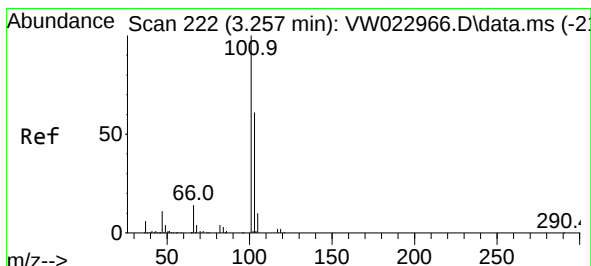
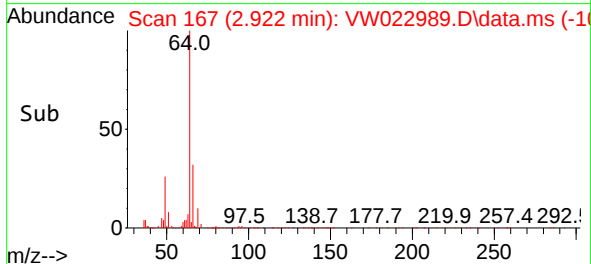
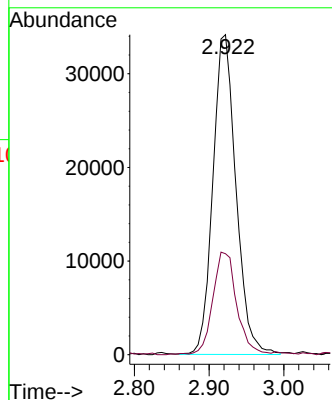
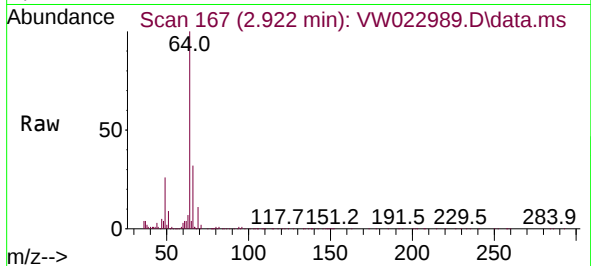




#8
Chloroethane
Concen: 22.666 ug/L
RT: 2.922 min Scan# 167
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

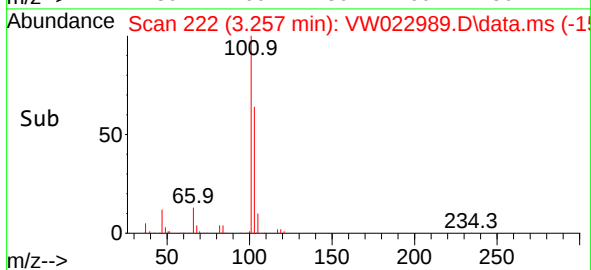
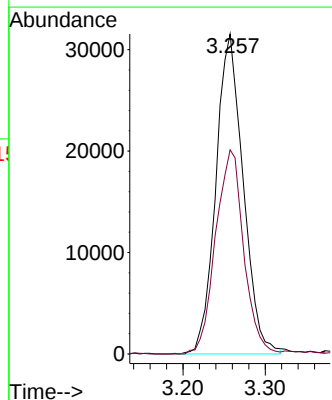
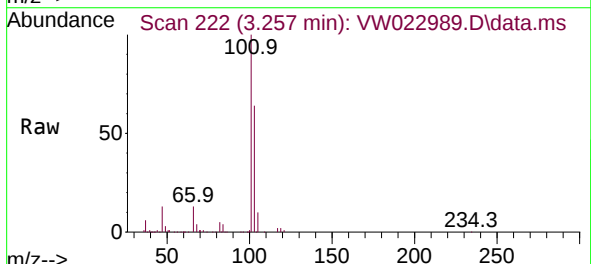
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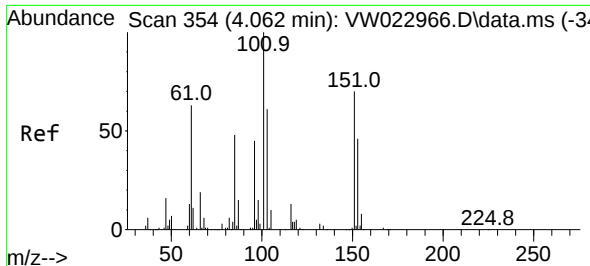
Tgt Ion: 64 Resp: 73540
Ion Ratio Lower Upper
64 100
66 31.6 23.4 43.6



#9
Trichlorofluoromethane
Concen: 23.682 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 101 Resp: 72813
Ion Ratio Lower Upper
101 100
103 65.5 53.9 80.9

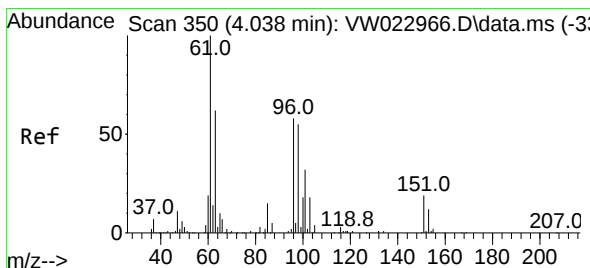
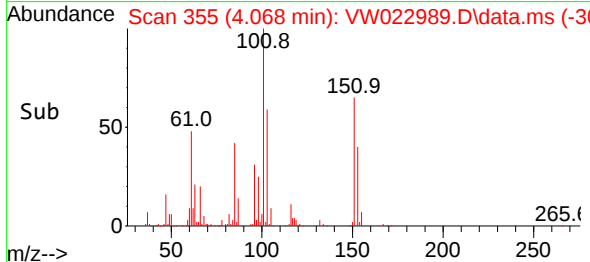
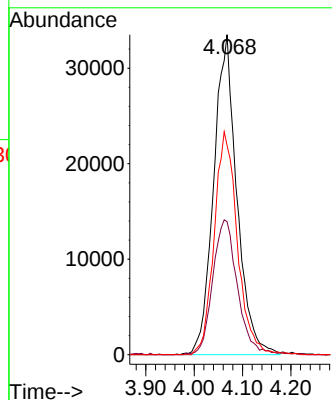
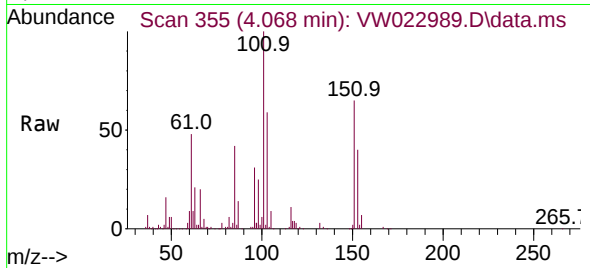




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 24.301 ug/L
 RT: 4.068 min Scan# 311
 Delta R.T. 0.006 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

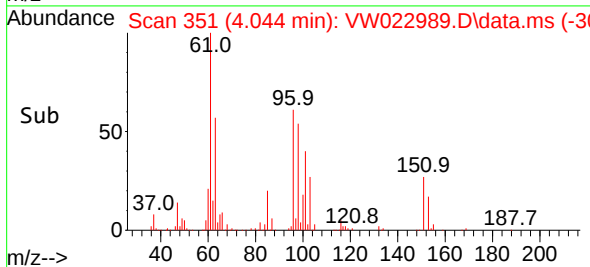
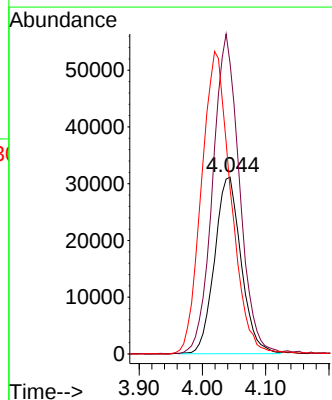
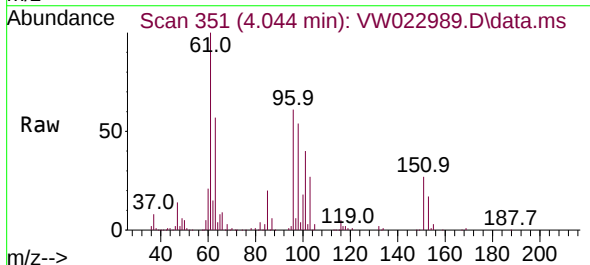
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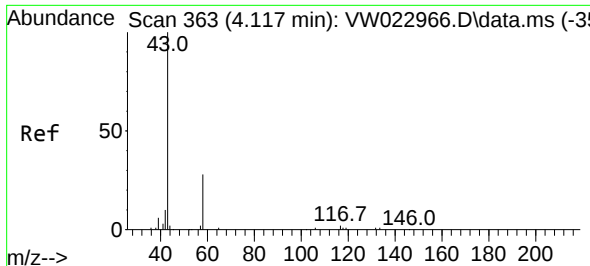
Tgt Ion:101 Resp: 111716
 Ion Ratio Lower Upper
 101 100
 85 44.0 34.3 51.5
 151 69.1 54.2 81.2



#12
 1,1-Dichloroethene
 Concen: 22.223 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

Tgt Ion: 96 Resp: 90567
 Ion Ratio Lower Upper
 96 100
 61 164.2 125.7 233.5
 63 93.1 83.4 155.0





#13

Acetone

Concen: 42.971 ug/L

RT: 4.123 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

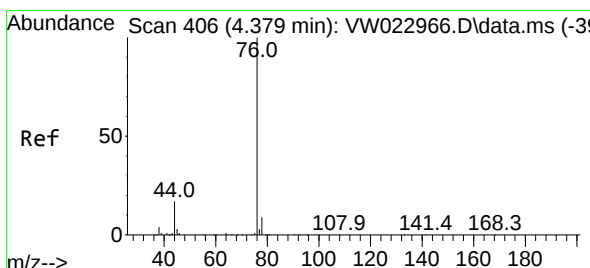
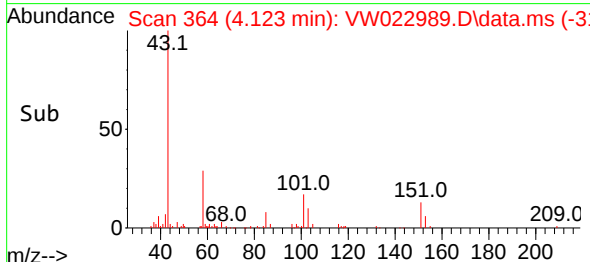
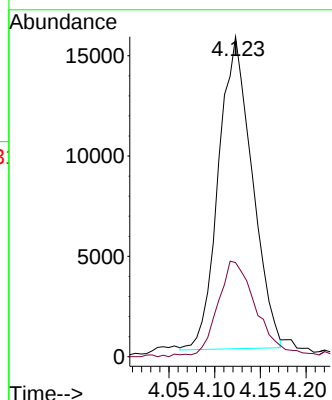
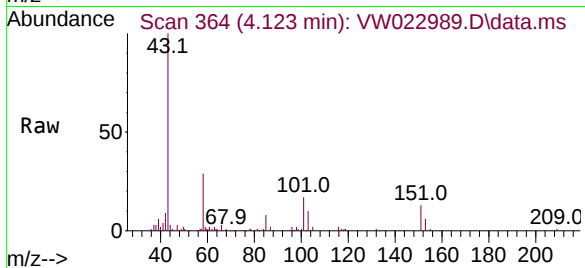
VSTD025528

Tgt Ion: 43 Resp: 39932

Ion Ratio Lower Upper

43 100

58 35.1 0.0 64.0



#14

Carbon disulfide

Concen: 18.529 ug/L

RT: 4.385 min Scan# 407

Delta R.T. 0.006 min

Lab File: VW022989.D

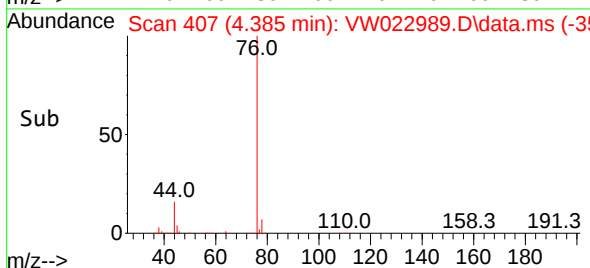
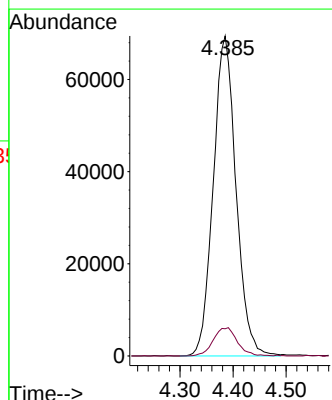
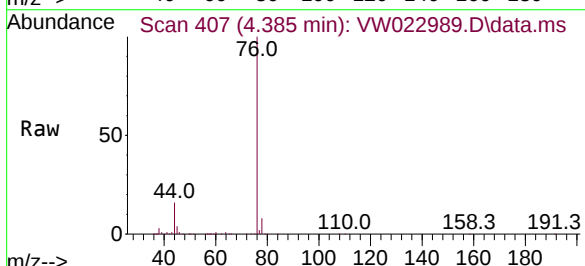
Acq: 12 May 2022 08:40

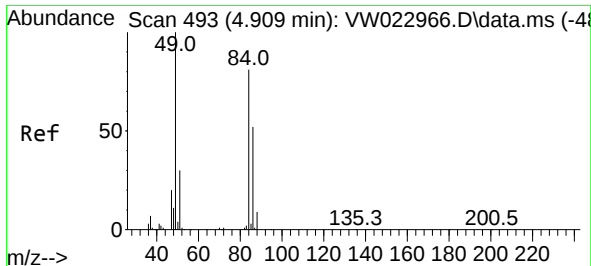
Tgt Ion: 76 Resp: 207021

Ion Ratio Lower Upper

76 100

78 8.5 7.7 11.5

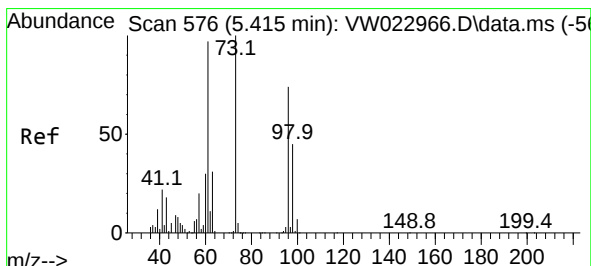
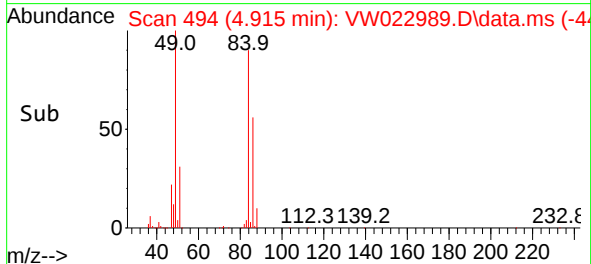
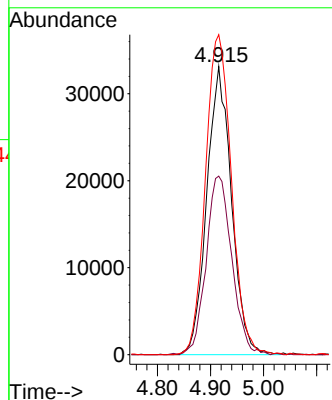
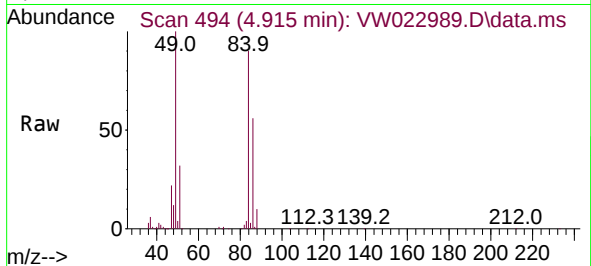




#16
Methylene chloride
Concen: 23.059 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

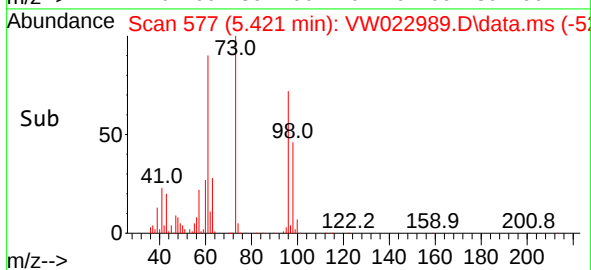
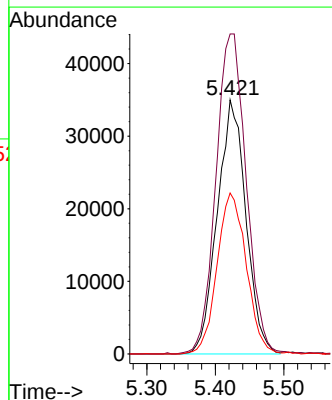
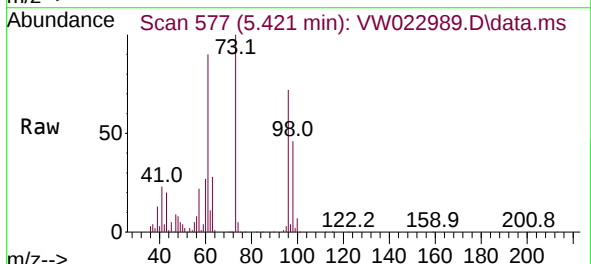
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

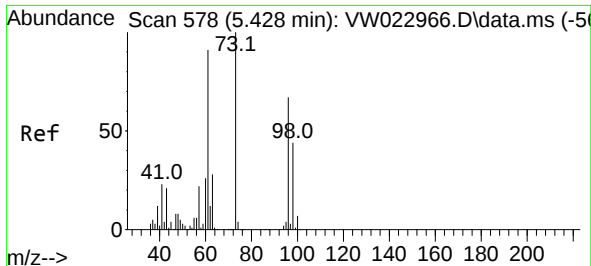
Tgt Ion: 84 Resp: 107362
Ion Ratio Lower Upper
84 100
86 62.0 45.4 84.4
49 111.1 82.5 153.1



#17
trans-1,2-Dichloroethene
Concen: 22.154 ug/L
RT: 5.421 min Scan# 577
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 96 Resp: 101599
Ion Ratio Lower Upper
96 100
61 125.9 92.2 171.2
98 63.3 42.9 79.7

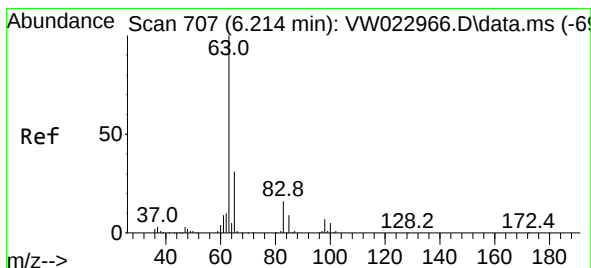
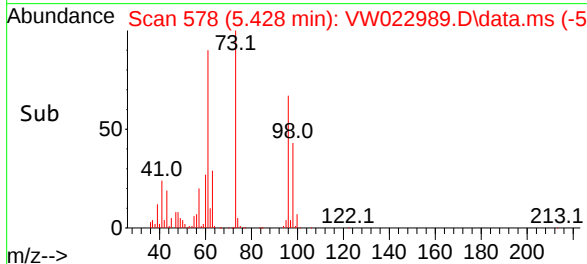
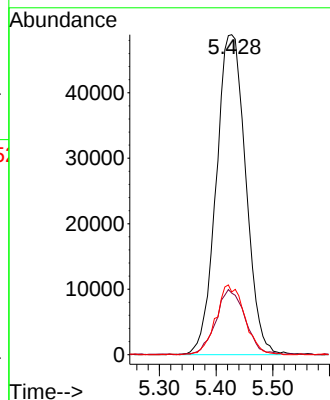
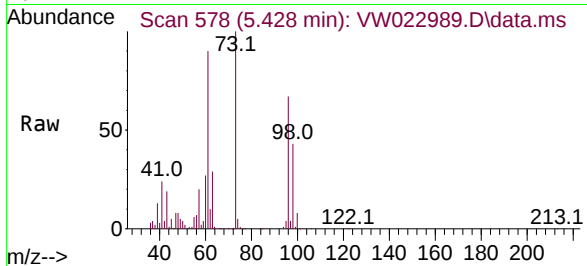




#18
Methyl tert-butyl Ether
Concen: 25.162 ug/L
RT: 5.428 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

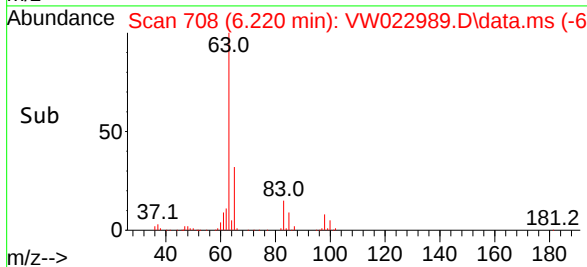
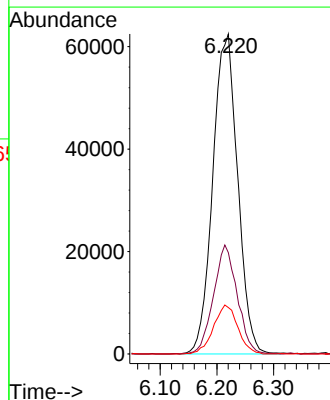
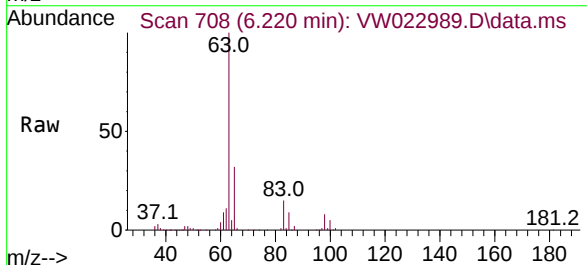
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

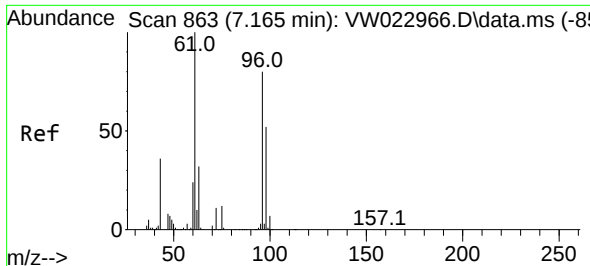
Tgt Ion: 73 Resp: 176157
Ion Ratio Lower Upper
73 100
43 20.0 15.9 23.9
57 20.7 16.5 24.7



#19
1,1-Dichloroethane
Concen: 24.481 ug/L
RT: 6.220 min Scan# 708
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 63 Resp: 190285
Ion Ratio Lower Upper
63 100
65 31.7 23.3 43.3
83 14.5 11.1 20.5

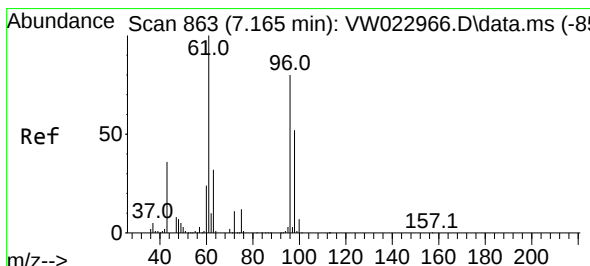
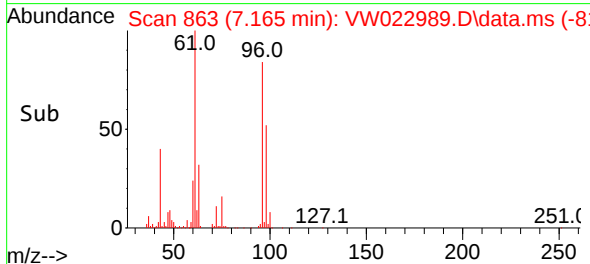
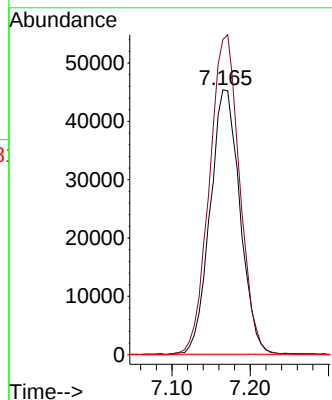
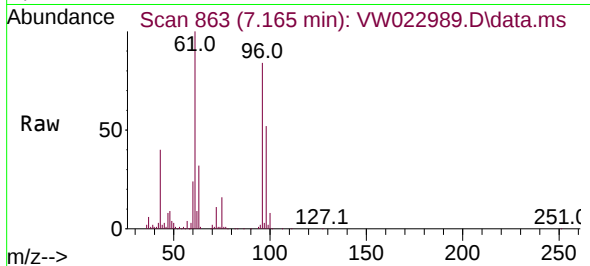




#20
 cis-1,2-Dichloroethene
 Concen: 24.217 ug/L
 RT: 7.165 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

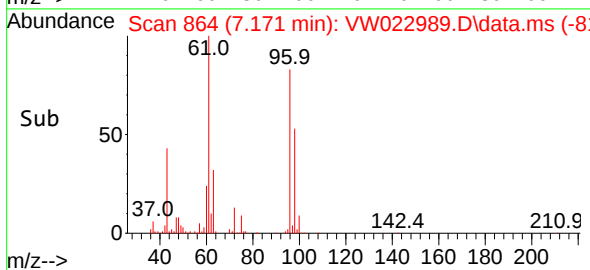
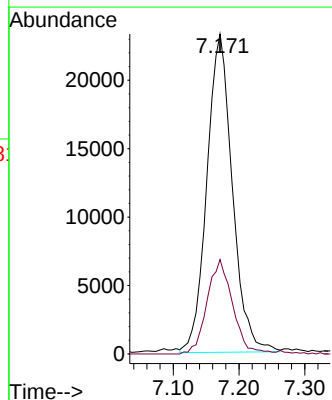
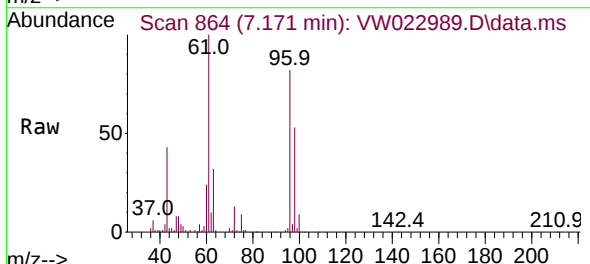
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025528

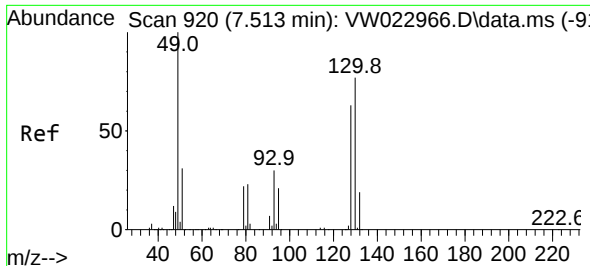
Tgt Ion: 96 Resp: 119289
 Ion Ratio Lower Upper
 96 100
 61 119.0 84.2 156.4
 68 0.0 0.1 0.1#



#22
 2-Butanone
 Concen: 48.327 ug/L
 RT: 7.171 min Scan# 864
 Delta R.T. 0.006 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

Tgt Ion: 43 Resp: 62806
 Ion Ratio Lower Upper
 43 100
 72 29.6 15.1 45.3

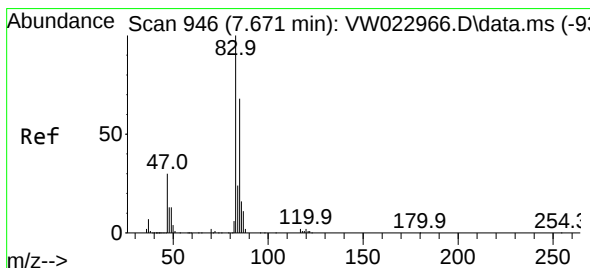
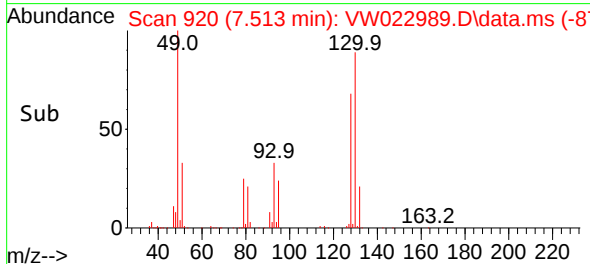
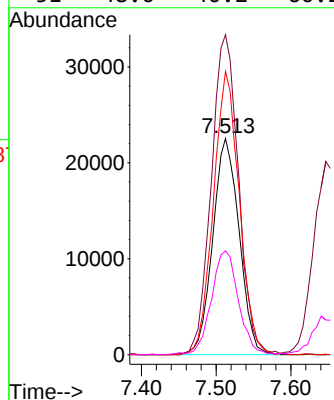
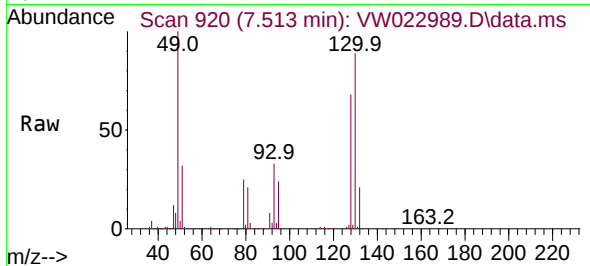




#23
Bromochloromethane
Concen: 23.971 ug/L
RT: 7.513 min Scan# 912
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

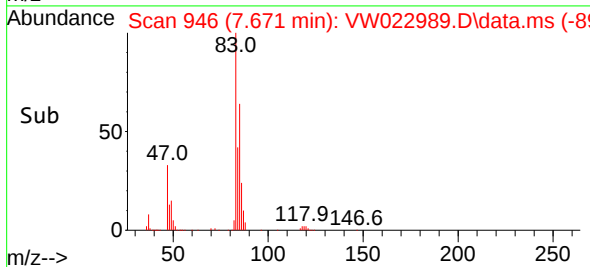
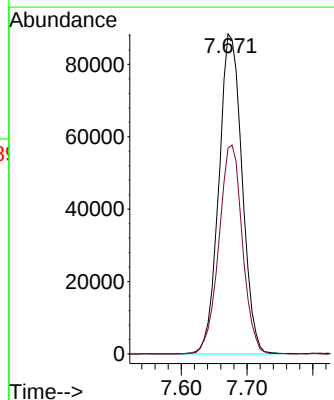
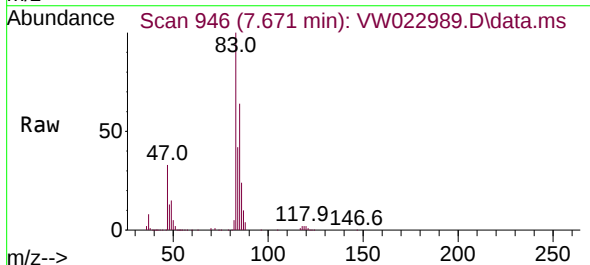
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

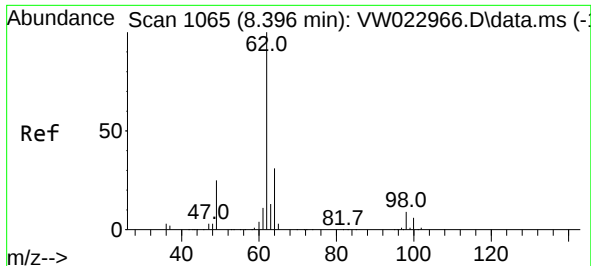
Tgt Ion:128	Resp:	55299
Ion Ratio	Lower	Upper
128	100	
49	147.9	110.0 204.4
130	130.9	94.8 176.0
51	48.0	40.2 60.2



#25
Chloroform
Concen: 25.259 ug/L
RT: 7.671 min Scan# 946
Delta R.T. -0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 83	Resp:	217096
Ion Ratio	Lower	Upper
83	100	
85	64.3	46.6 86.6





#27

1,2-Dichloroethane

Concen: 24.658 ug/L

RT: 8.396 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

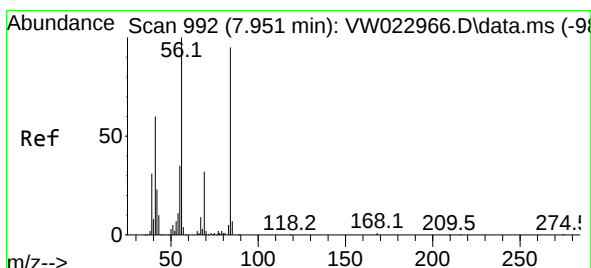
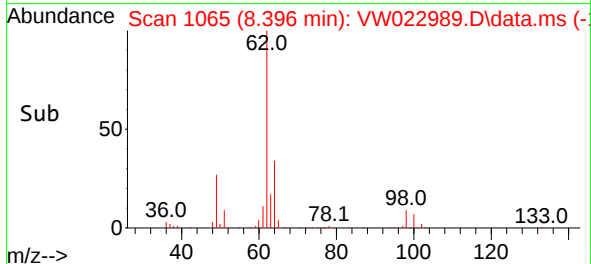
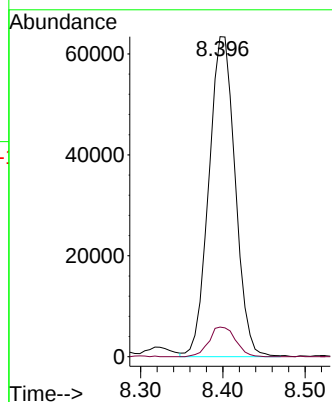
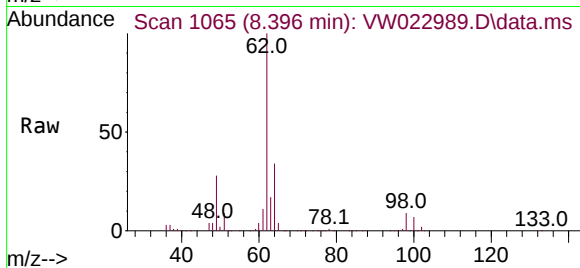
VSTD025528

Tgt Ion: 62 Resp: 141271

Ion Ratio Lower Upper

62 100

98 9.3 7.2 10.8



#29

Cyclohexane

Concen: 22.602 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.006 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

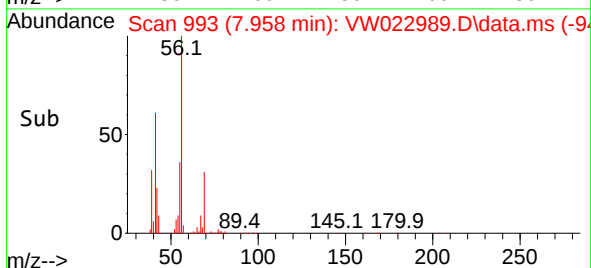
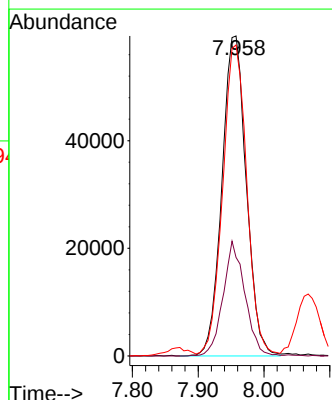
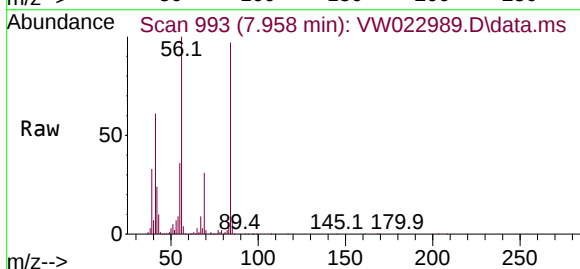
Tgt Ion: 56 Resp: 153183

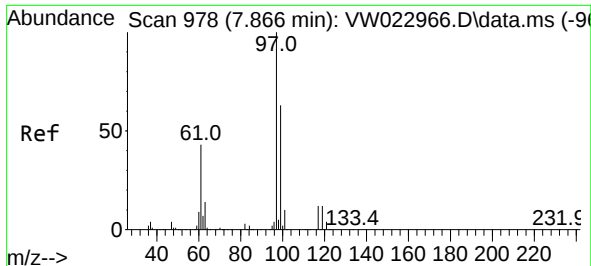
Ion Ratio Lower Upper

56 100

69 32.2 25.6 38.4

84 96.7 78.2 117.4

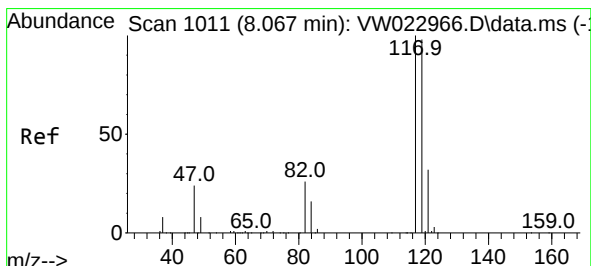
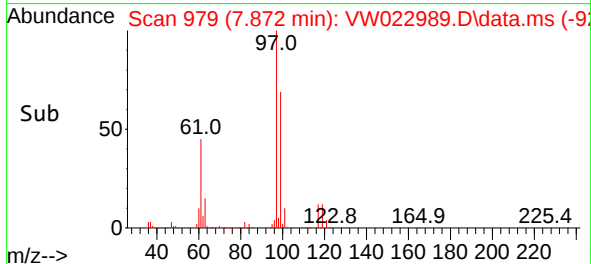
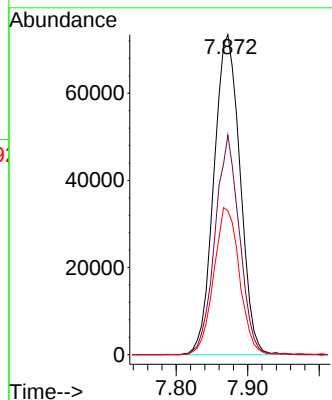
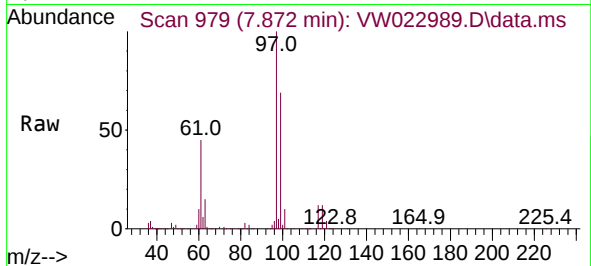




#30
1,1,1-Trichloroethane
Concen: 25.174 ug/L
RT: 7.872 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

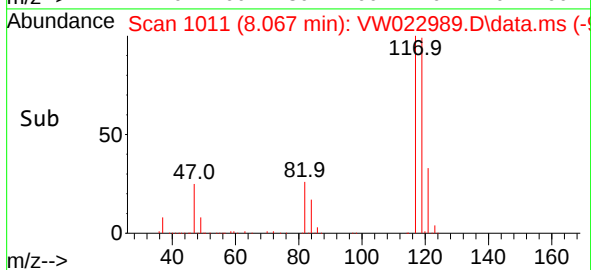
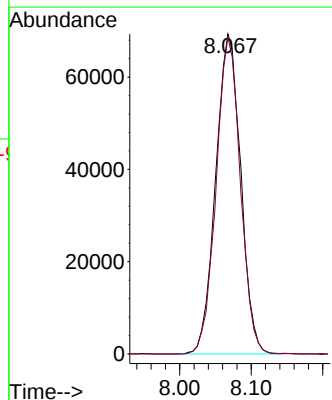
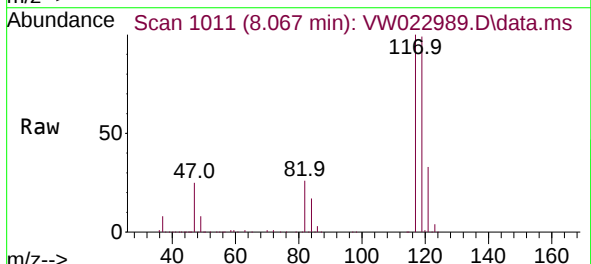
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

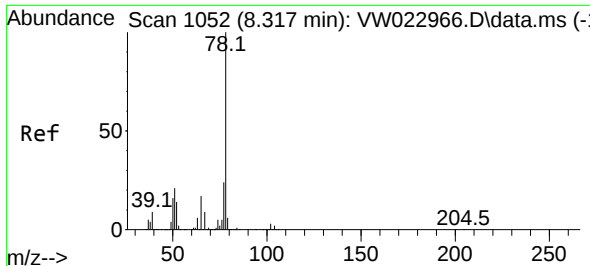
Tgt Ion: 97 Resp: 186432
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 44.9 34.8 52.2



#31
Carbon tetrachloride
Concen: 24.316 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 117 Resp: 168451
Ion Ratio Lower Upper
117 100
119 95.8 76.6 115.0

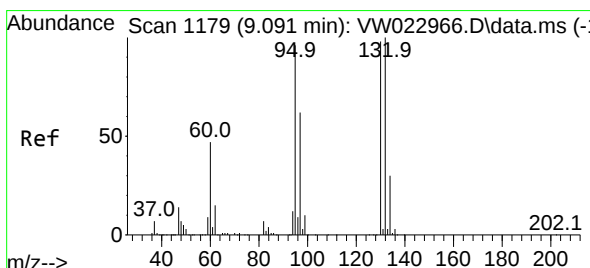
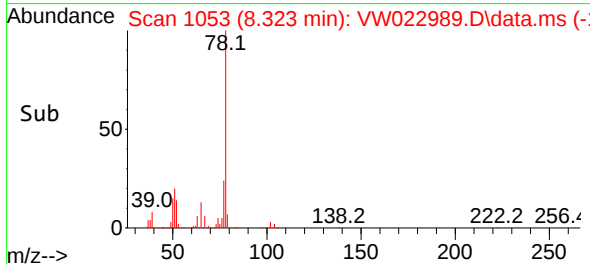
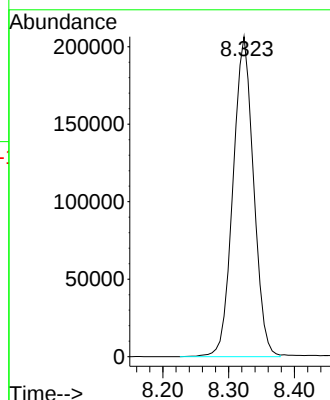
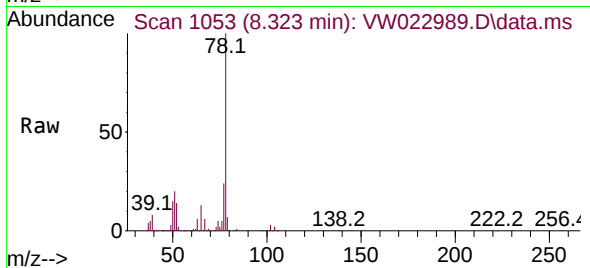




#33
Benzene
Concen: 24.313 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

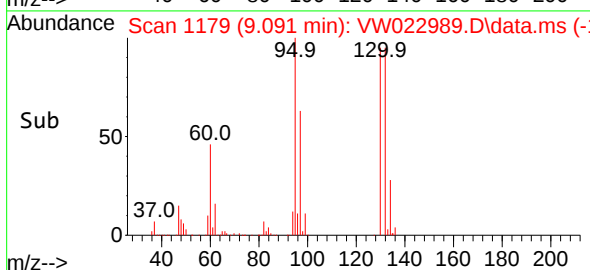
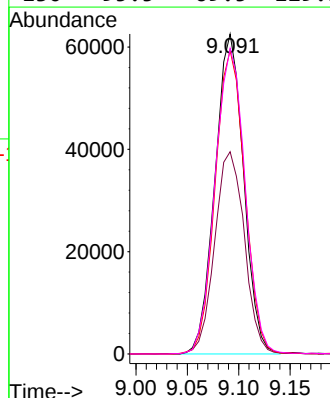
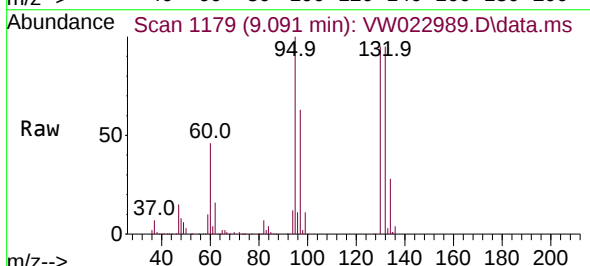
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

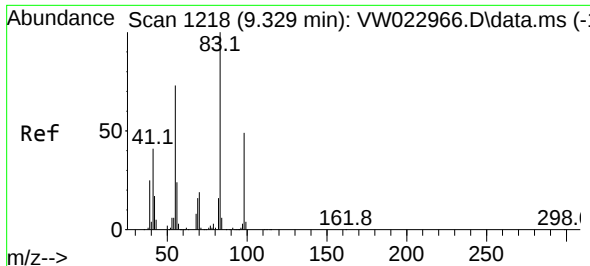
Tgt Ion: 78 Resp: 448855



#34
Trichloroethene
Concen: 23.834 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 95 Resp: 121007
Ion Ratio Lower Upper
95 100
97 63.2 46.1 85.7
132 94.8 66.9 124.3
130 95.5 69.5 129.1

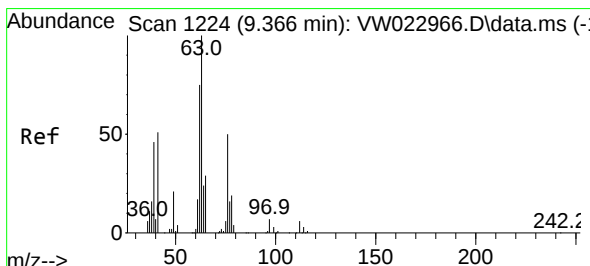
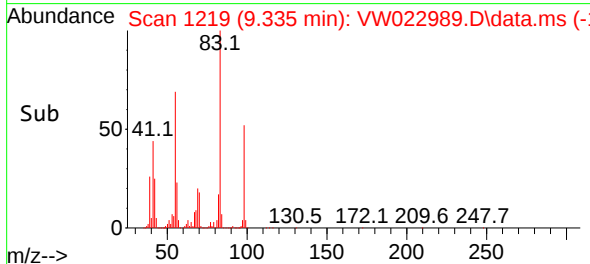
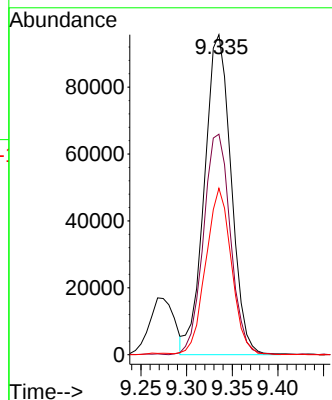
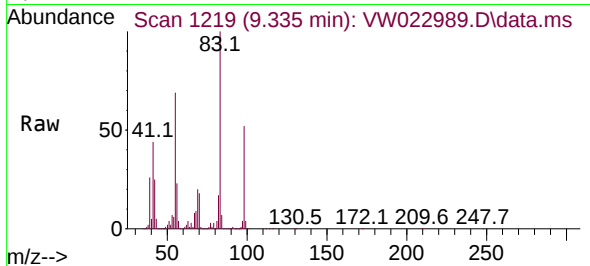




#35
Methylcyclohexane
Concen: 23.296 ug/L
RT: 9.335 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

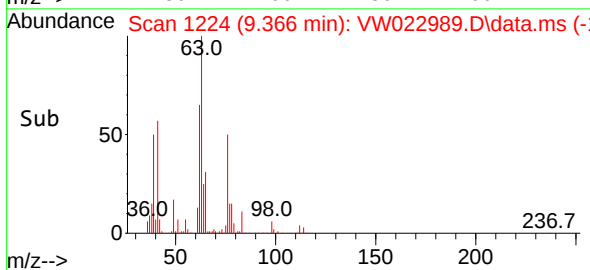
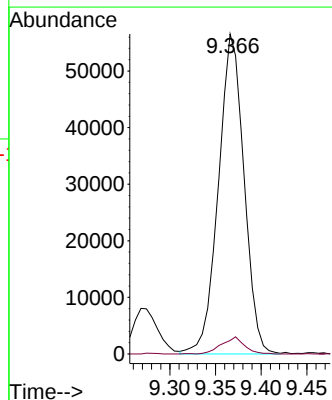
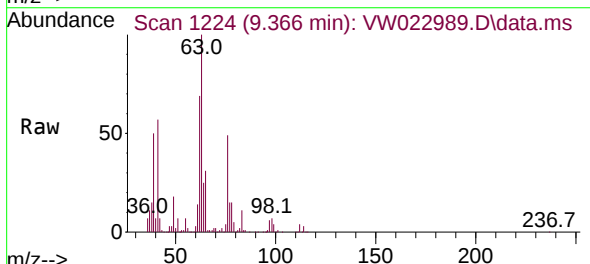
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

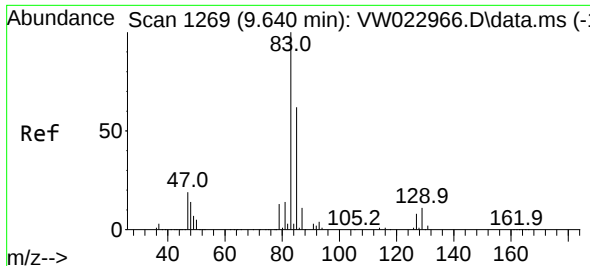
Tgt Ion: 83 Resp: 194302
Ion Ratio Lower Upper
83 100
55 69.7 55.1 82.7
98 49.5 40.4 60.6



#37
1,2-Dichloropropane
Concen: 24.714 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 63 Resp: 110411
Ion Ratio Lower Upper
63 100
112 4.7 3.8 5.8

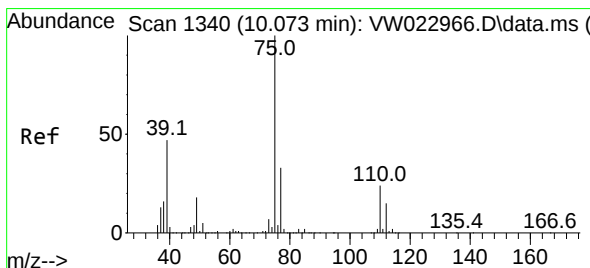
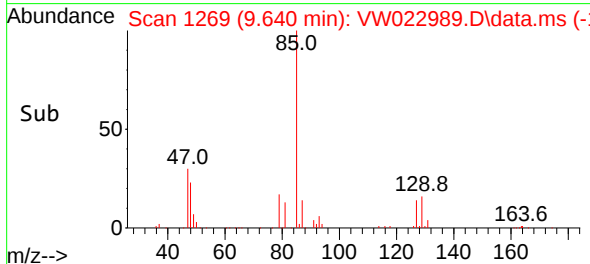
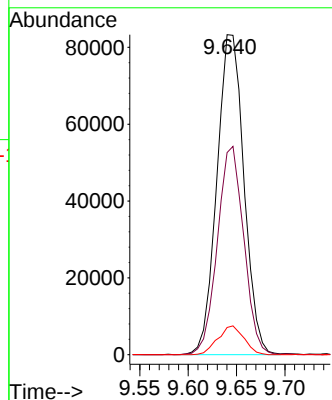
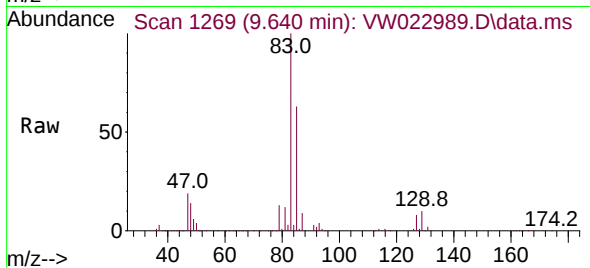




#38
Bromodichloromethane
Concen: 25.560 ug/L
RT: 9.640 min Scan# 1269
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

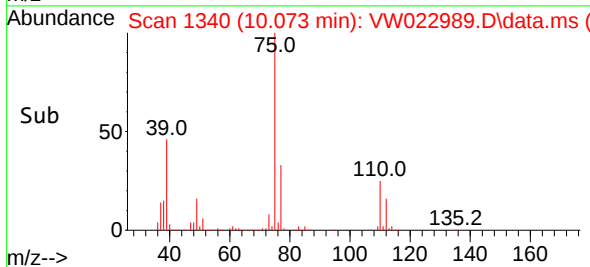
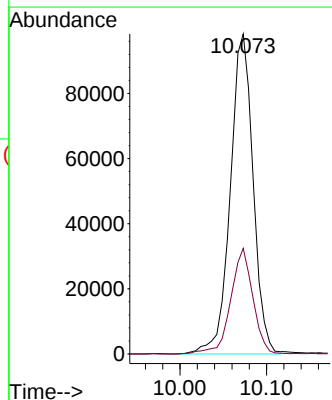
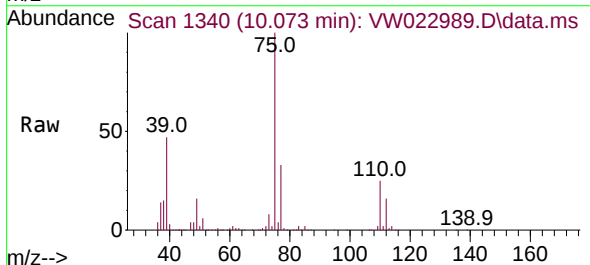
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

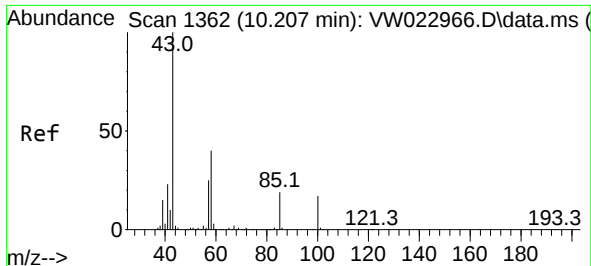
Tgt Ion: 83 Resp: 162196
Ion Ratio Lower Upper
83 100
85 63.2 43.5 80.7
127 8.5 7.1 10.7



#39
cis-1,3-Dichloropropene
Concen: 25.907 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 75 Resp: 179465
Ion Ratio Lower Upper
75 100
77 33.0 22.1 41.1





#40

4-Methyl-2-pentanone

Concen: 49.219 ug/L

RT: 10.207 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

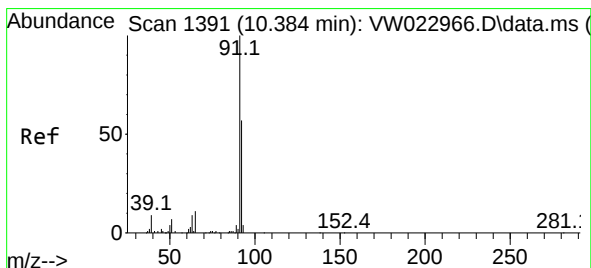
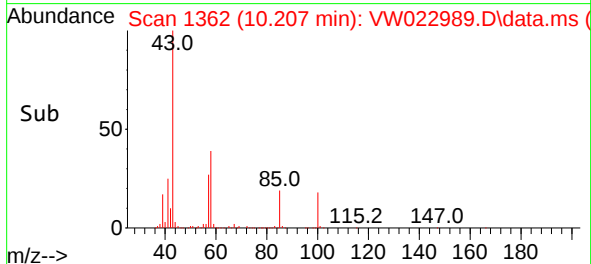
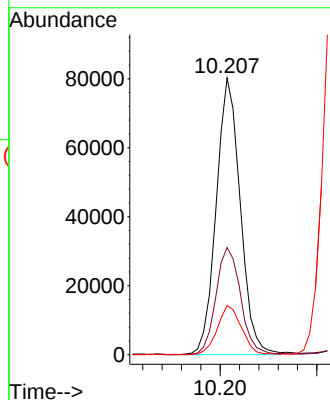
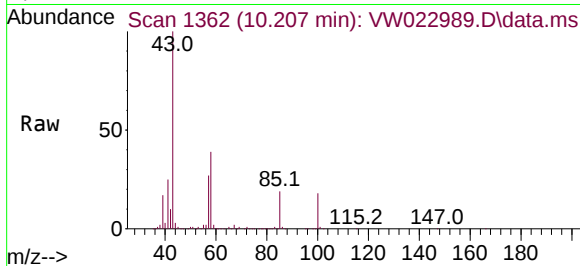
Tgt Ion: 43 Resp: 138597

Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.2

100 18.0 14.2 21.4



#42

Toluene

Concen: 24.663 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW022989.D

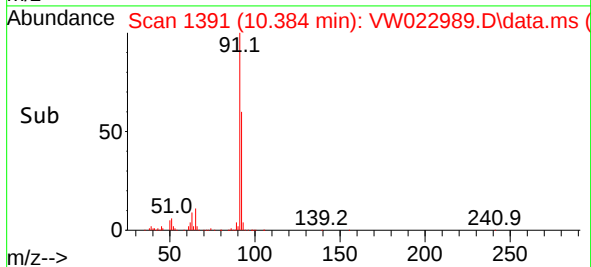
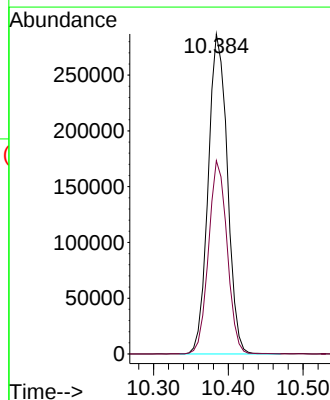
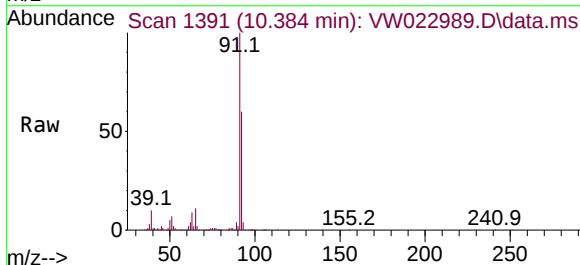
Acq: 12 May 2022 08:40

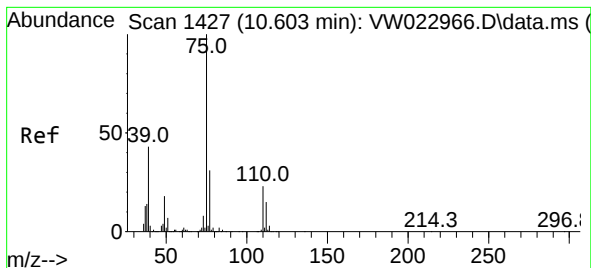
Tgt Ion: 91 Resp: 510260

Ion Ratio Lower Upper

91 100

92 60.4 41.6 77.2





#44

trans-1,3-Dichloropropene

Concen: 26.059 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

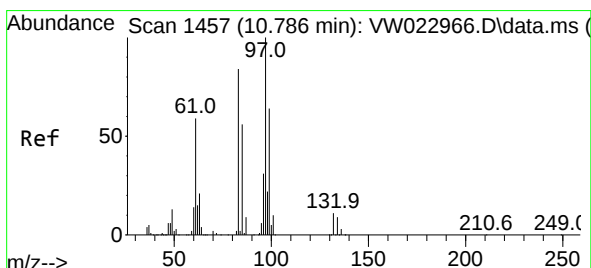
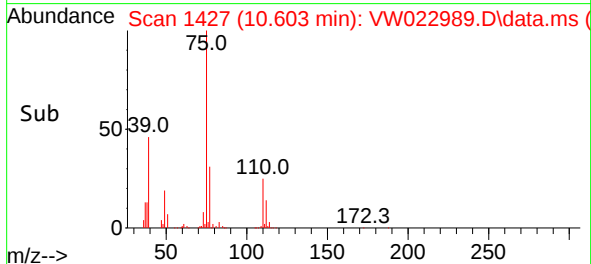
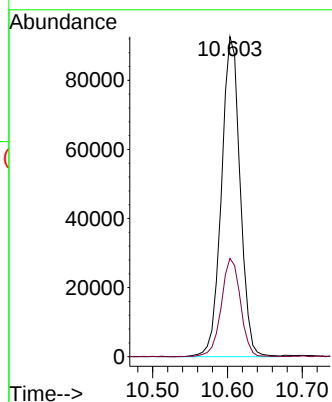
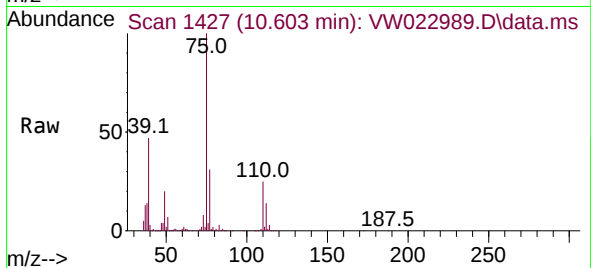
VSTD025528

Tgt Ion: 75 Resp: 161129

Ion Ratio Lower Upper

75 100

77 30.7 22.0 40.8



#45

1,1,2-Trichloroethane

Concen: 25.504 ug/L

RT: 10.786 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Tgt Ion: 97 Resp: 95251

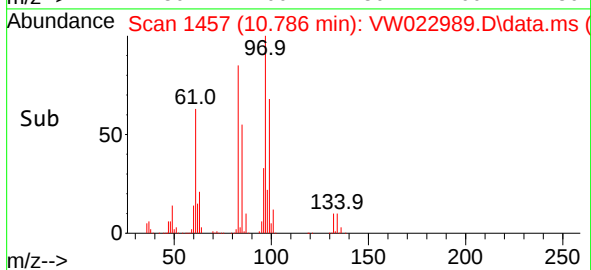
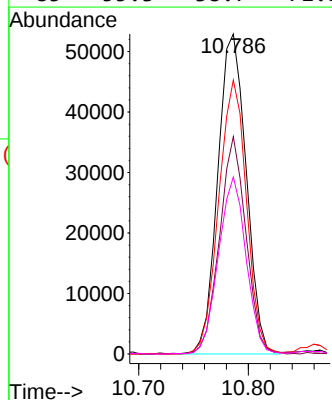
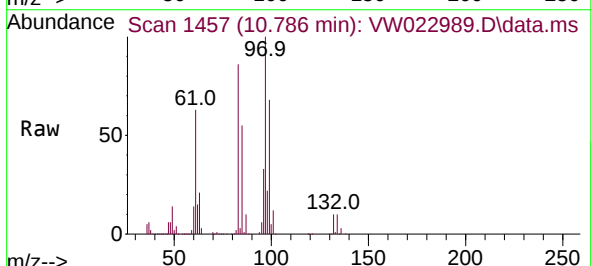
Ion Ratio Lower Upper

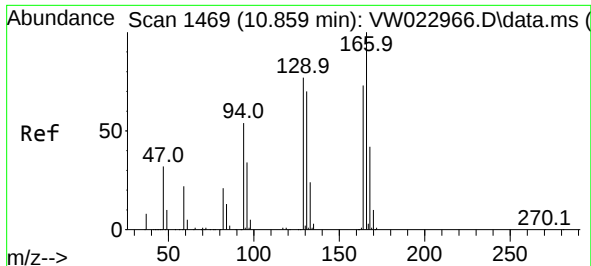
97 100

99 67.9 44.7 82.9

83 85.6 58.4 108.4

85 55.3 38.7 71.9

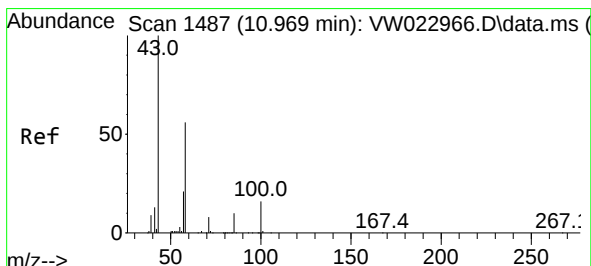
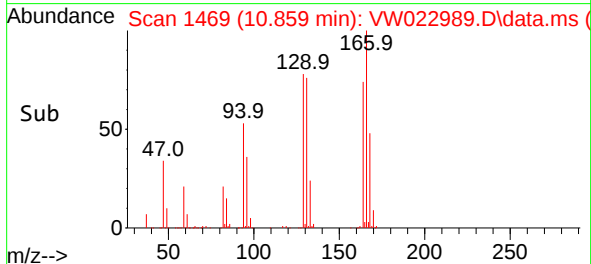
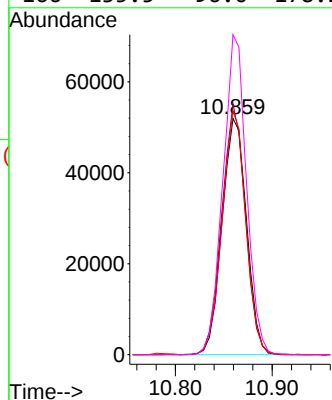
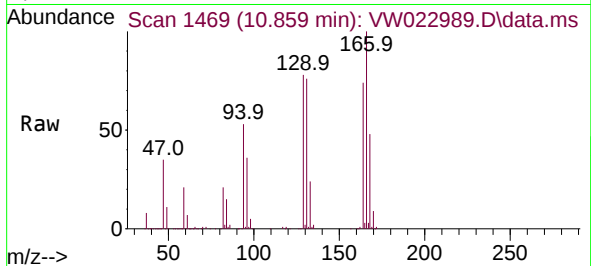




#46
Tetrachloroethene
Concen: 23.914 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

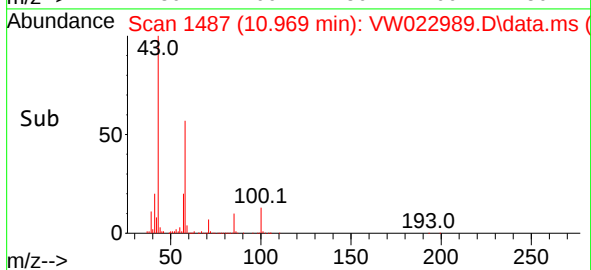
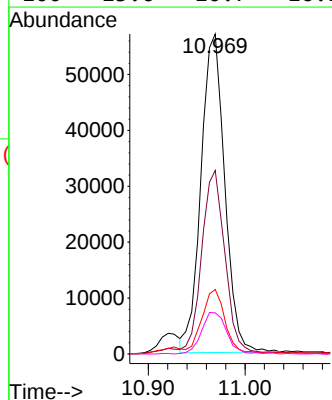
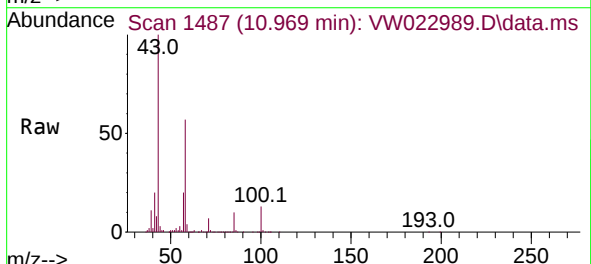
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

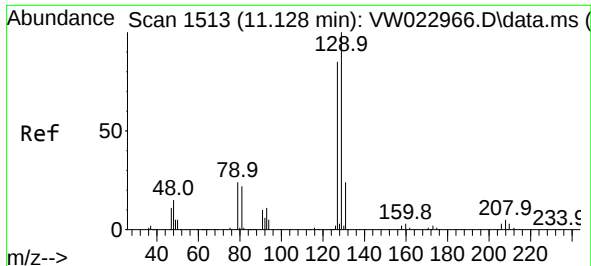
Tgt Ion:164 Resp: 91246
Ion Ratio Lower Upper
164 100
129 106.2 76.9 142.7
131 103.3 75.1 139.5
166 135.5 96.0 178.2



#48
2-Hexanone
Concen: 51.868 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 43 Resp: 97589
Ion Ratio Lower Upper
43 100
58 56.3 45.9 68.9
57 19.2 16.2 24.2
100 13.6 10.7 16.1

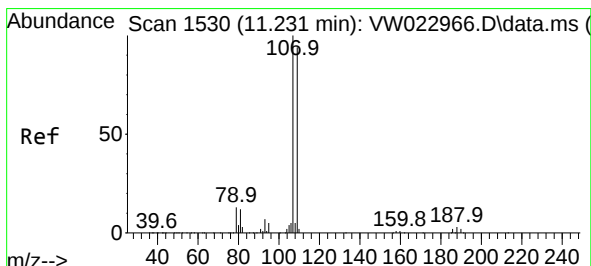
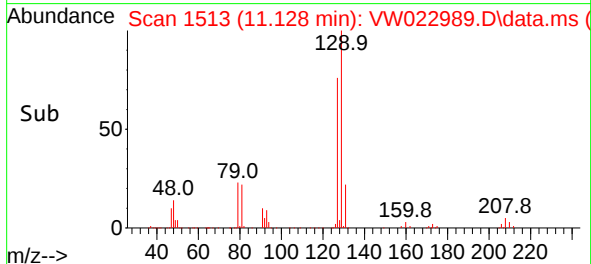
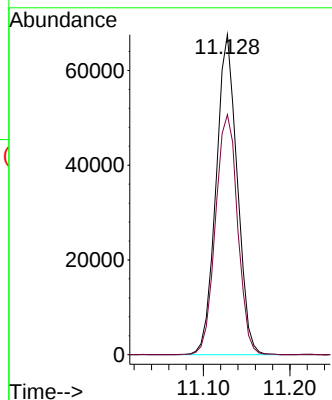
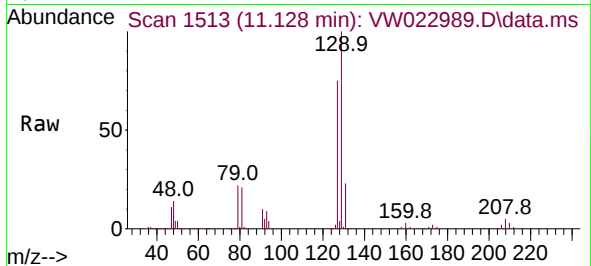




#49
Dibromochloromethane
Concen: 25.458 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

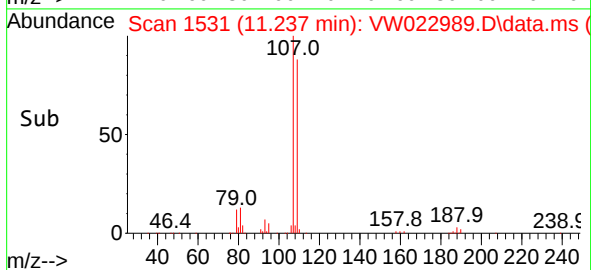
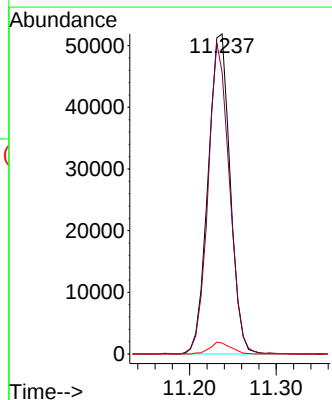
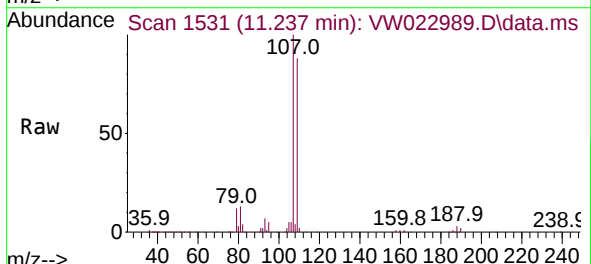
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

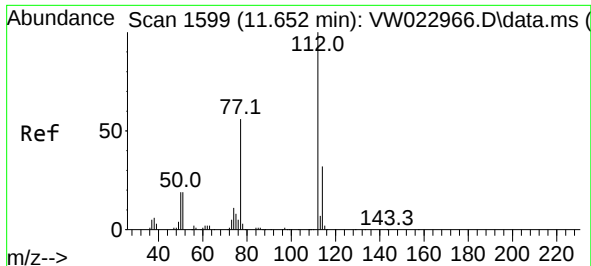
Tgt Ion:129 Resp: 114433
Ion Ratio Lower Upper
129 100
127 75.0 53.8 100.0



#50
1,2-Dibromoethane
Concen: 24.485 ug/L
RT: 11.237 min Scan# 1531
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion:107 Resp: 91824
Ion Ratio Lower Upper
107 100
109 88.0 67.5 125.4
188 3.4 2.9 4.3

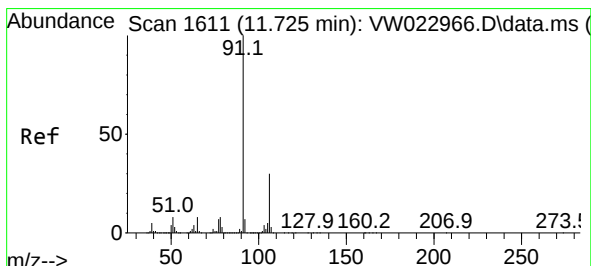
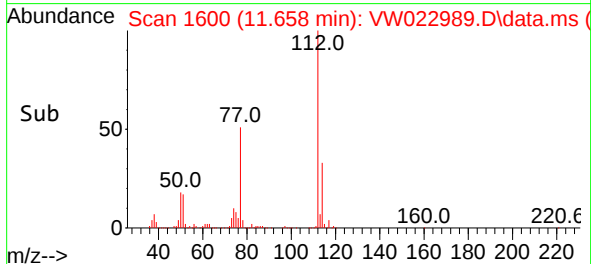
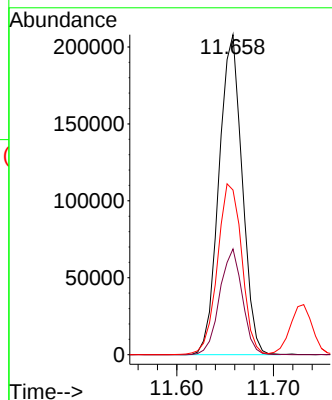
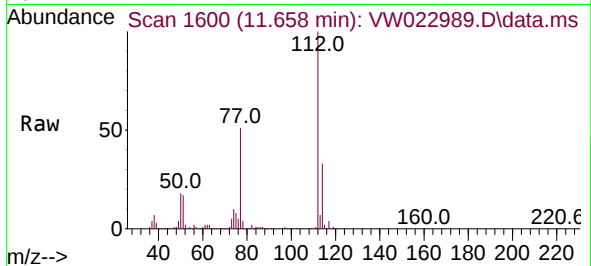




#51
Chlorobenzene
Concen: 25.373 ug/L
RT: 11.658 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

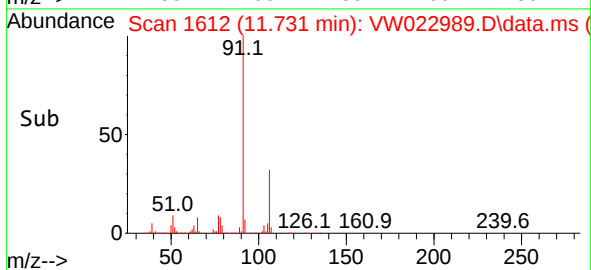
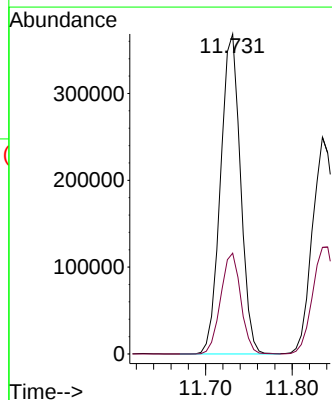
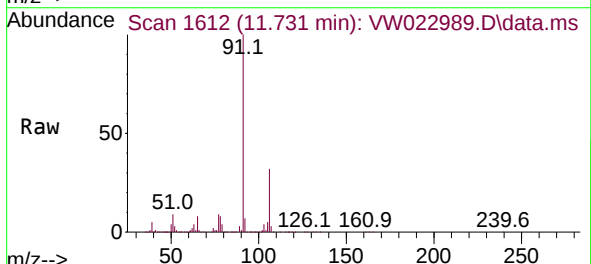
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

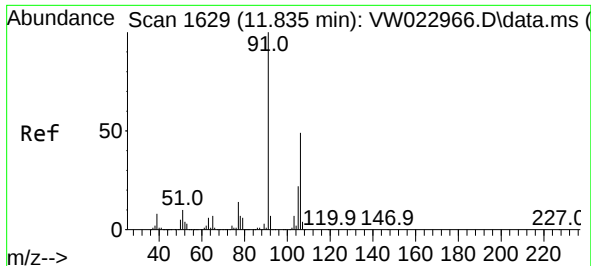
Tgt Ion:112 Resp: 346090
Ion Ratio Lower Upper
112 100
114 33.0 22.0 41.0
77 51.4 42.6 63.8



#52
Ethylbenzene
Concen: 25.607 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion: 91 Resp: 589419
Ion Ratio Lower Upper
91 100
106 31.5 22.3 41.3

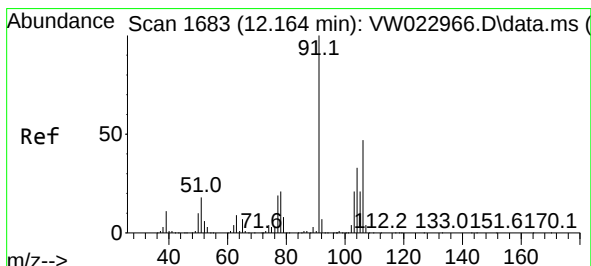
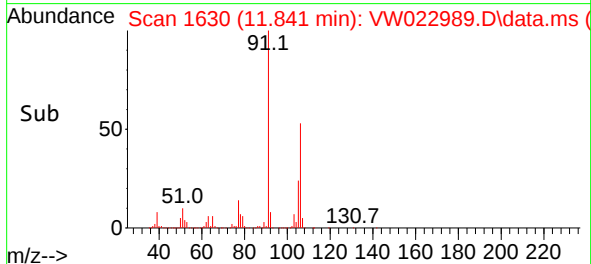
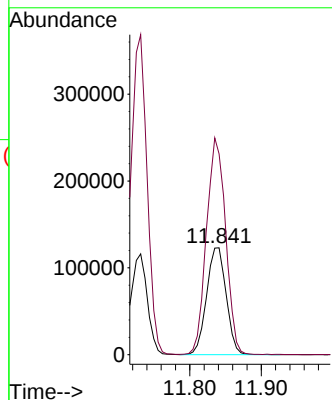
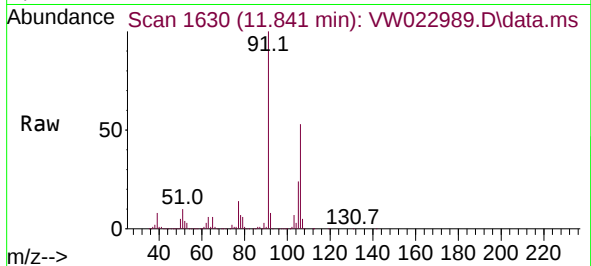




#53
m,p-Xylene
Concen: 25.771 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

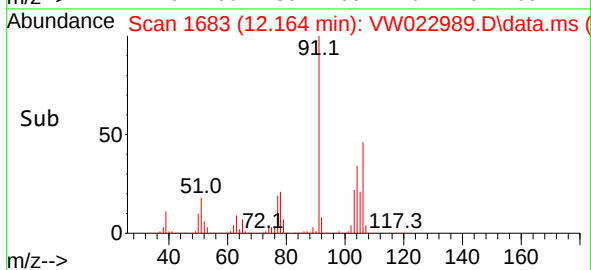
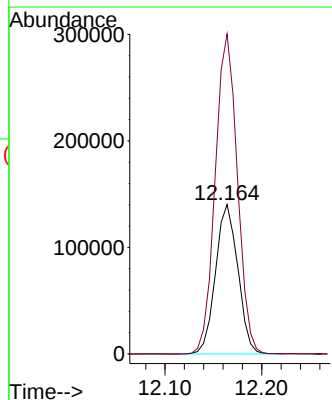
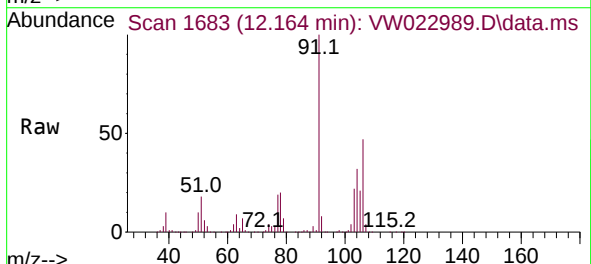
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

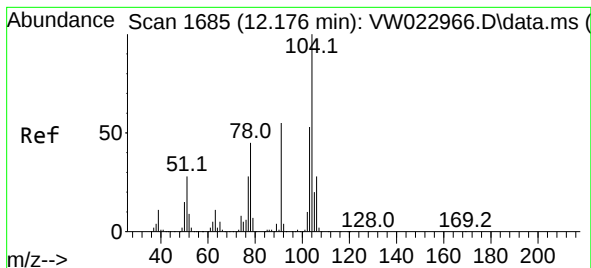
Tgt Ion:106 Resp: 233728
Ion Ratio Lower Upper
106 100
91 187.9 136.8 254.0



#54
o-Xylene
Concen: 25.823 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion:106 Resp: 224742
Ion Ratio Lower Upper
106 100
91 214.1 147.2 273.4





#55

Styrene

Concen: 26.848 ug/L

RT: 12.176 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

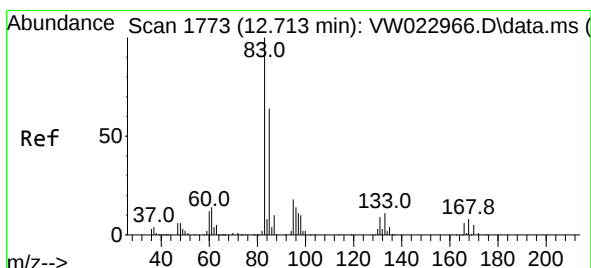
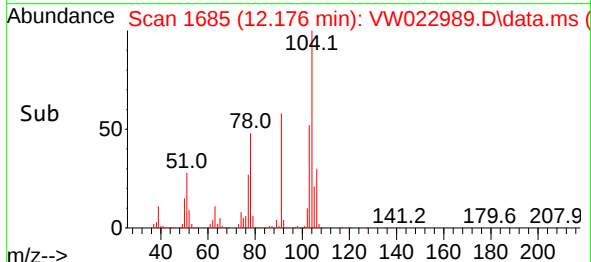
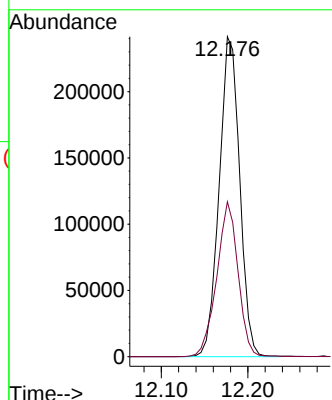
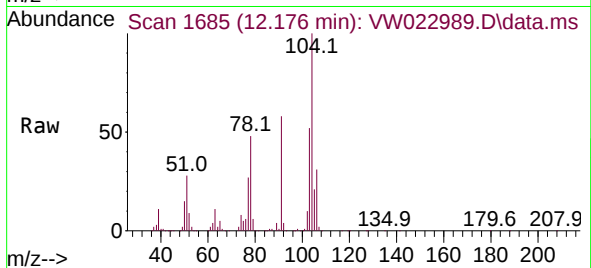
VSTD025528

Tgt Ion:104 Resp: 397053

Ion Ratio Lower Upper

104 100

78 48.4 32.3 59.9



#57

1,1,2,2-Tetrachloroethane

Concen: 26.565 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

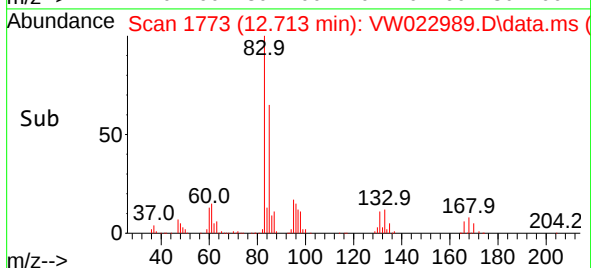
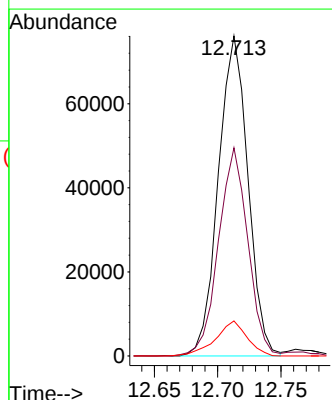
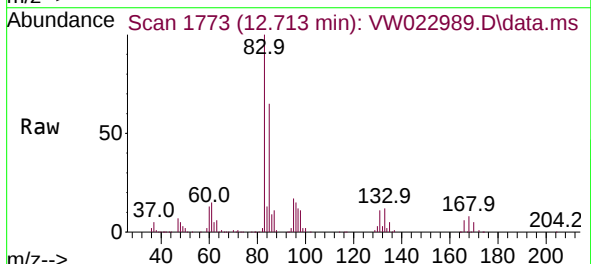
Tgt Ion: 83 Resp: 123922

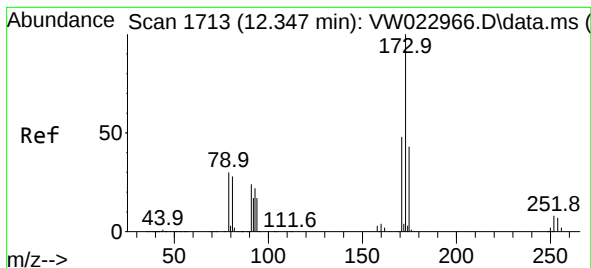
Ion Ratio Lower Upper

83 100

85 65.1 47.5 88.1

131 10.9 8.7 13.1





#59

Bromoform

Concen: 23.664 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

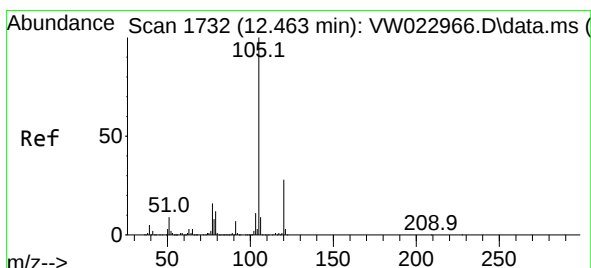
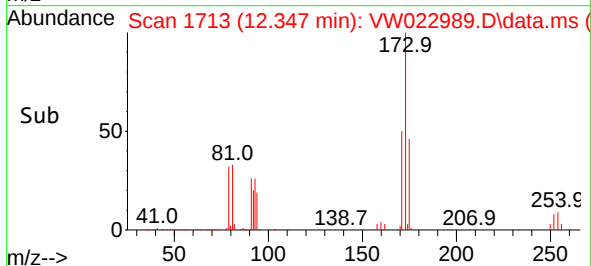
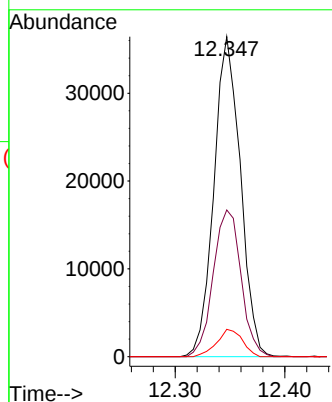
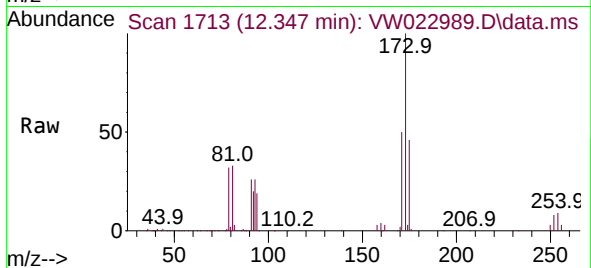
Tgt Ion:173 Resp: 61190

Ion Ratio Lower Upper

173 100

175 48.0 38.1 57.1

254 8.3 6.5 9.7



#60

Isopropylbenzene

Concen: 24.812 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

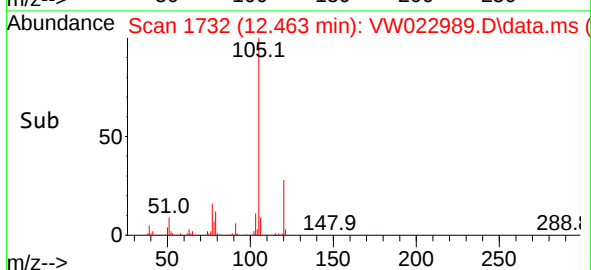
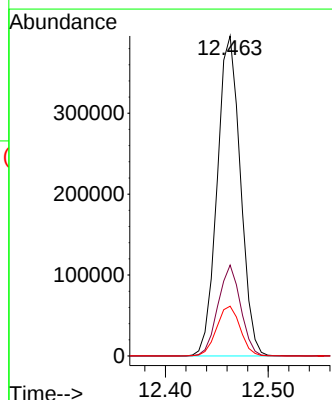
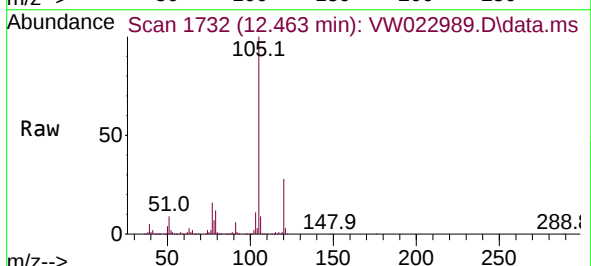
Tgt Ion:105 Resp: 620213

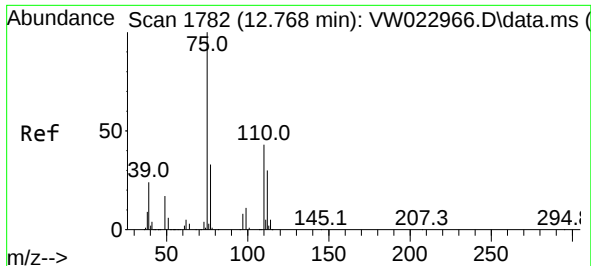
Ion Ratio Lower Upper

105 100

120 27.7 21.3 31.9

77 15.8 12.6 19.0





#61

1,2,3-Trichloropropane

Concen: 23.686 ug/L

RT: 12.768 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

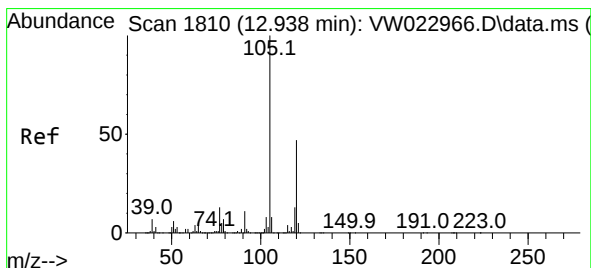
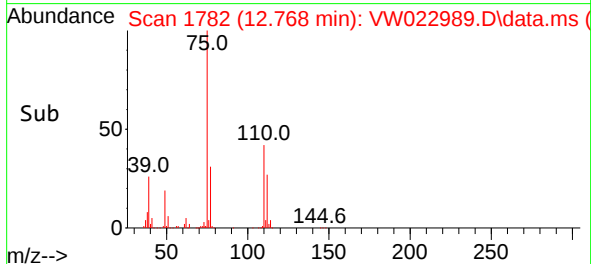
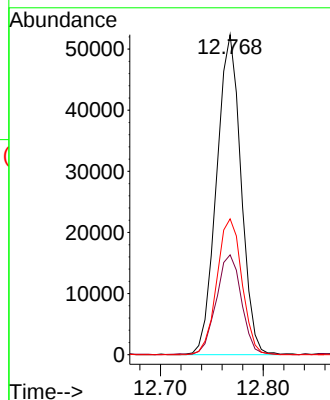
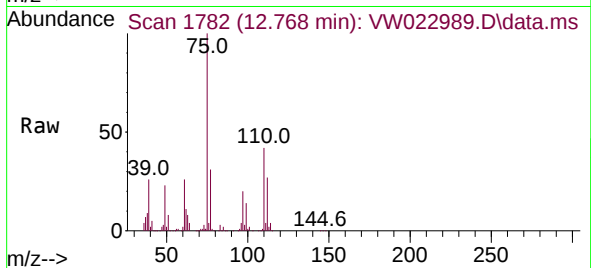
Tgt Ion: 75 Resp: 86352

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

110 43.4 34.1 51.1



#62

1,3,5-Trimethylbenzene

Concen: 25.097 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VW022989.D

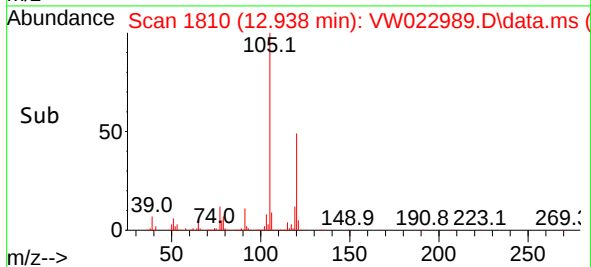
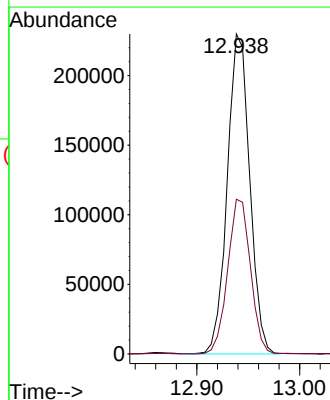
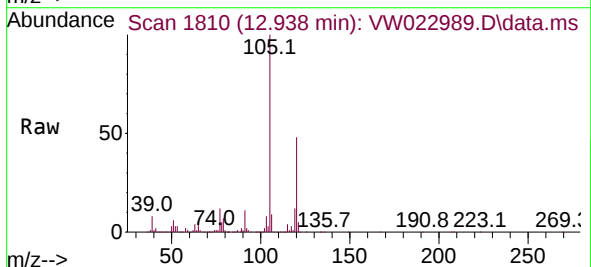
Acq: 12 May 2022 08:40

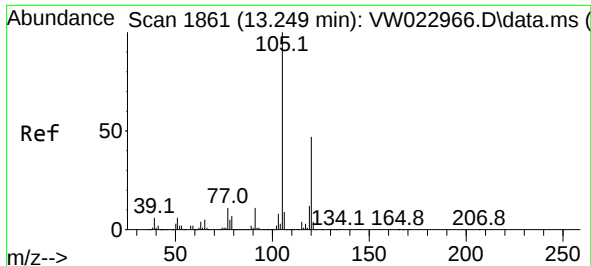
Tgt Ion: 105 Resp: 349005

Ion Ratio Lower Upper

105 100

120 49.1 38.9 58.3

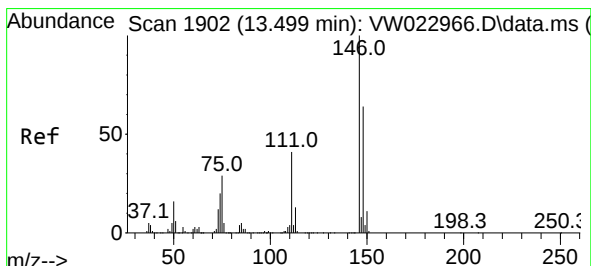
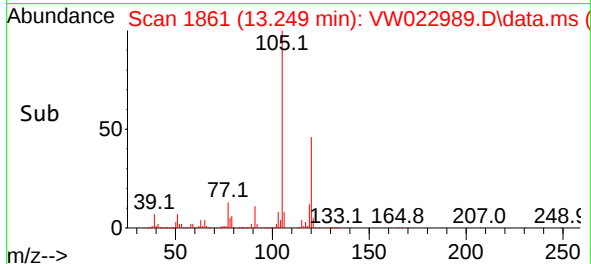
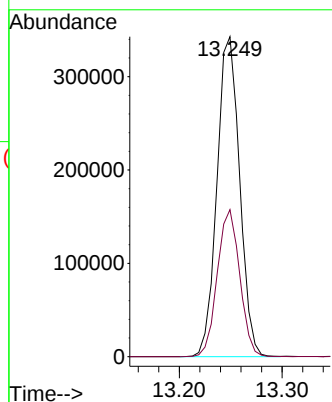
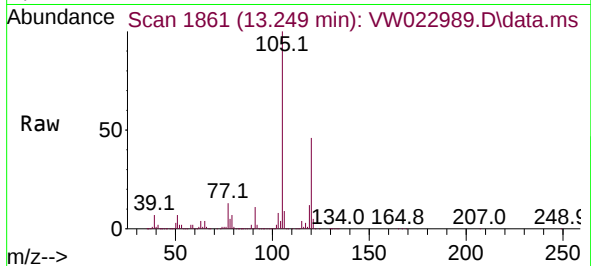




#63
1,2,4-Trimethylbenzene
Concen: 25.126 ug/L
RT: 13.249 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

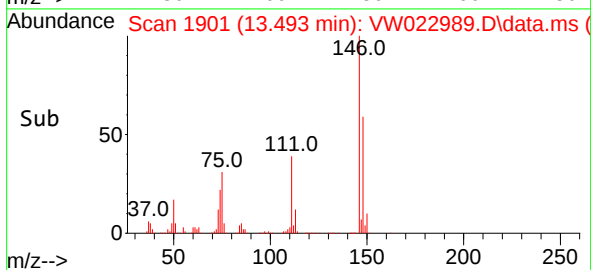
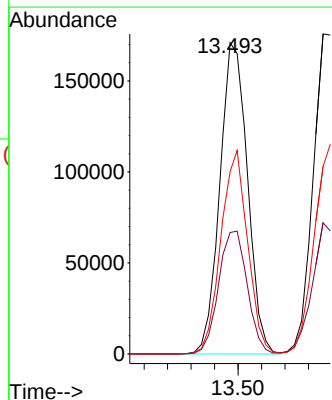
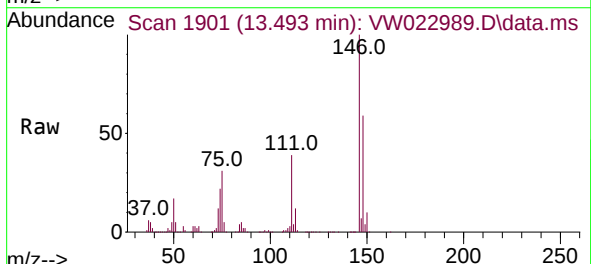
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

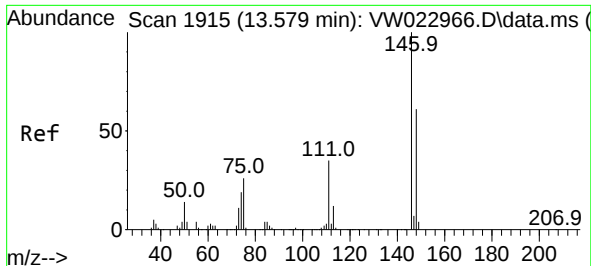
Tgt Ion:105 Resp: 524652
Ion Ratio Lower Upper
105 100
120 45.4 37.4 56.2



#64
1,3-Dichlorobenzene
Concen: 25.025 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion:146 Resp: 279283
Ion Ratio Lower Upper
146 100
111 39.0 29.5 54.9
148 58.6 48.6 90.2

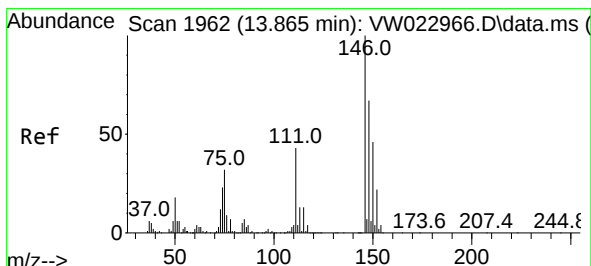
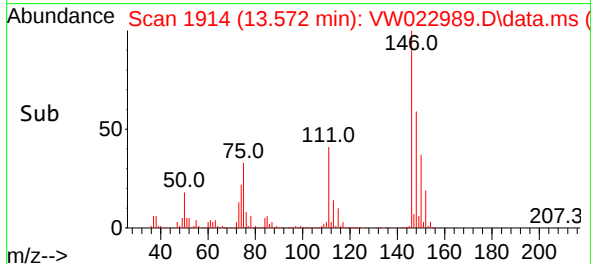
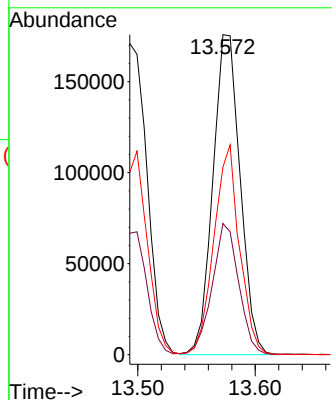
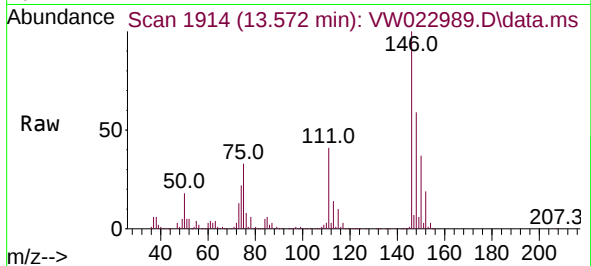




#65
1,4-Dichlorobenzene
Concen: 24.624 ug/L
RT: 13.572 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

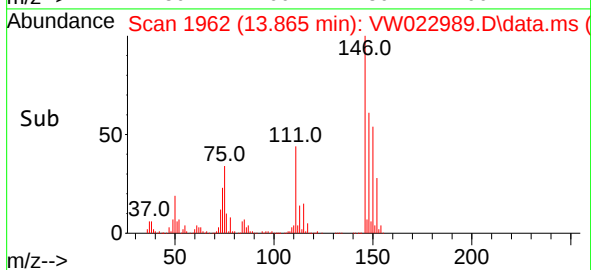
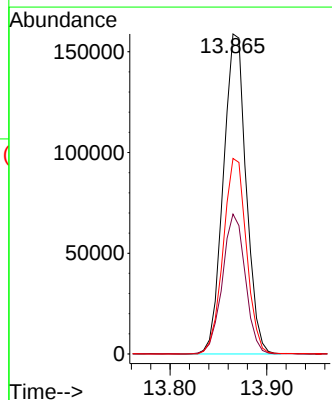
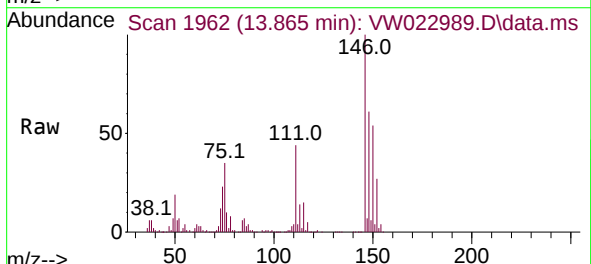
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

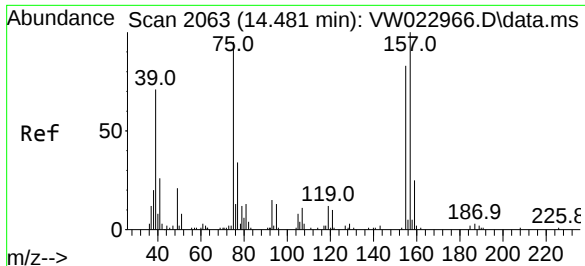
Tgt Ion:146 Resp: 283847
Ion Ratio Lower Upper
146 100
111 41.0 27.2 50.4
148 58.6 44.0 81.6



#67
1,2-Dichlorobenzene
Concen: 25.467 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion:146 Resp: 260079
Ion Ratio Lower Upper
146 100
111 43.7 35.7 53.5
148 61.1 52.6 79.0

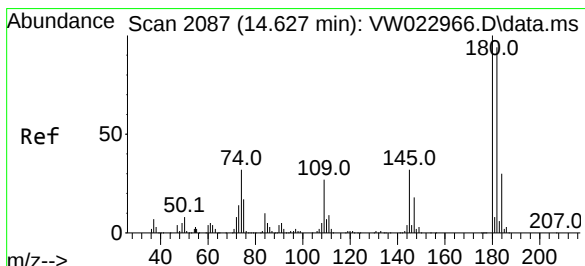
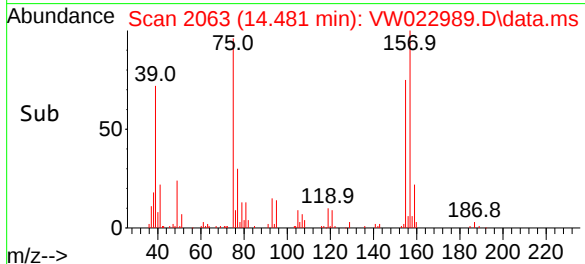
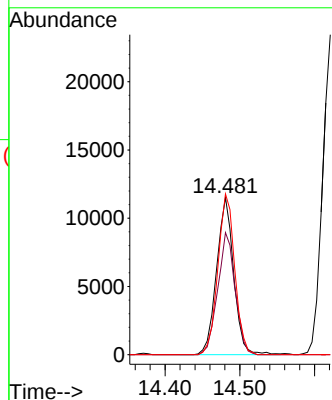
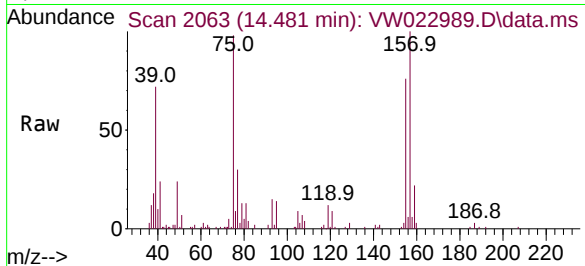




#68
1,2-Dibromo-3-chloropropane
Concen: 23.058 ug/L
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

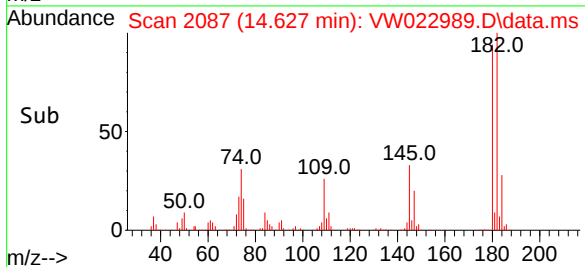
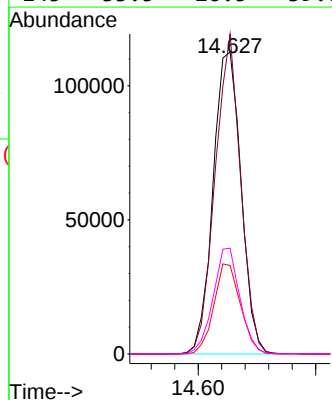
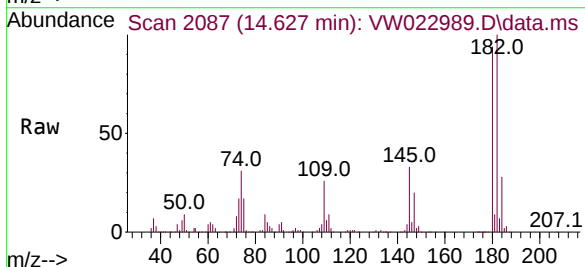
Instrument :
MSVOA_W
ClientSampleId :
VSTD025528

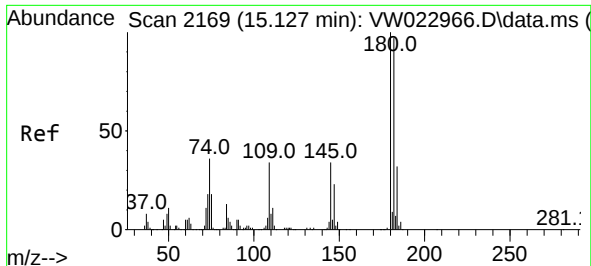
Tgt Ion: 75 Resp: 18372
Ion Ratio Lower Upper
75 100
155 77.7 59.3 88.9
157 102.3 89.8 134.8



#69
1,3,5-Trichlorobenzene
Concen: 25.155 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW022989.D
Acq: 12 May 2022 08:40

Tgt Ion:180 Resp: 186345
Ion Ratio Lower Upper
180 100
182 96.6 74.8 112.2
184 28.5 23.4 35.2
145 33.5 26.5 39.7





#70

1,2,4-trichlorobenzene

Concen: 24.010 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

Instrument :

MSVOA_W

ClientSampleId :

VSTD025528

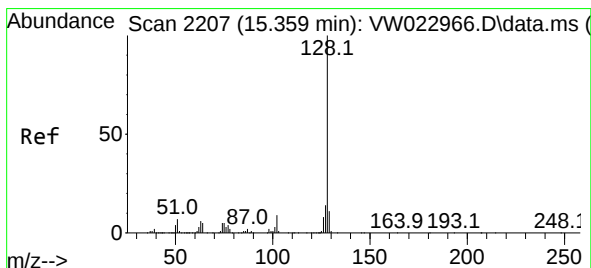
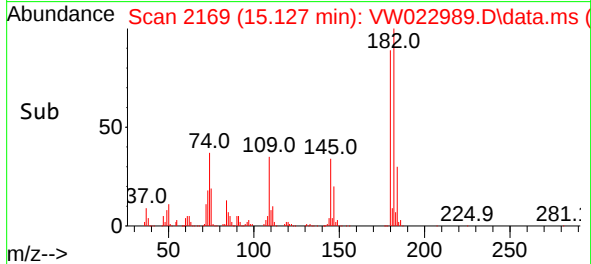
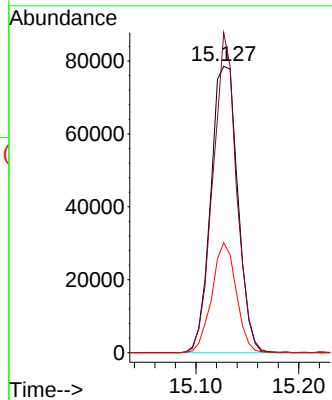
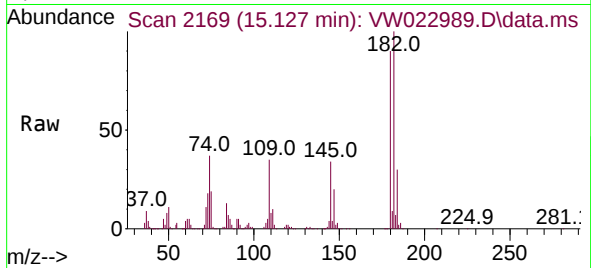
Tgt Ion:180 Resp: 143075

Ion Ratio Lower Upper

180 100

182 97.9 74.9 112.3

145 34.7 26.6 39.8



#71

Naphthalene

Concen: 25.238 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW022989.D

Acq: 12 May 2022 08:40

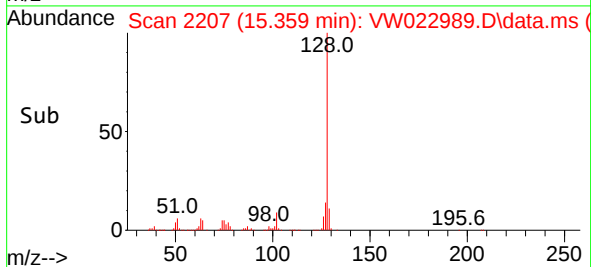
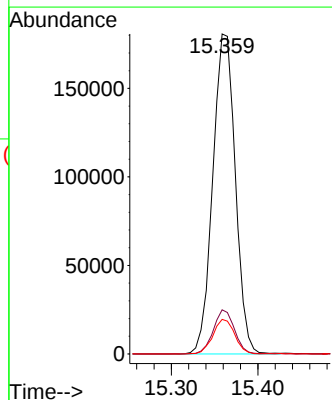
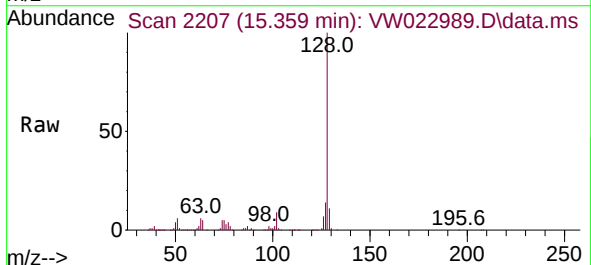
Tgt Ion:128 Resp: 326874

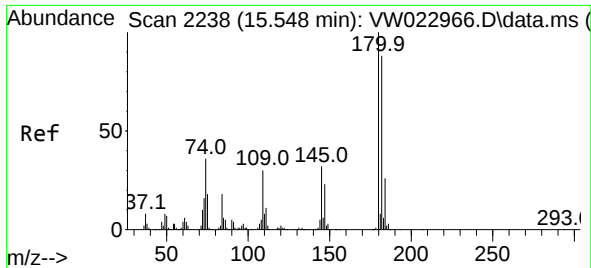
Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.5 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 24.895 ug/L
 RT: 15.548 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW022989.D
 Acq: 12 May 2022 08:40

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025528

Tgt Ion:180 Resp: 131482
 Ion Ratio Lower Upper
 180 100
 182 93.3 73.5 110.3
 145 34.3 27.9 41.9

