

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051523\
 Data File : VW031017.D
 Acq On : 15 May 2023 09:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005348

Quant Time: May 15 12:16:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	132007	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	130629	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	74899	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	46097	4.238	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.800%
7) Chloroethane-d5	1.536	69	42179	4.754	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.000%
11) 1,1-Dichloroethene-d2	2.063	65	26315	4.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	3.828	46	80345	41.659	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.320%
24) Chloroform-d	4.259	84	107038	4.952	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	4.950	65	52301	4.760	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
32) Benzene-d6	4.966	84	184964	4.831	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	5.992	67	51894	4.661	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.200%
41) Toluene-d8	7.249	98	176041	4.828	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	7.558	79	19092	4.574	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.400%
46) 2-Hexanone-d5	8.034	63	65810	45.006	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.020%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	39250	4.864	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	64102	4.591	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	46863	4.494	ug/L	100
3) Chloromethane	1.217	50	49738	4.064	ug/L	100
5) Vinyl chloride	1.285	62	45453	4.438	ug/L	98
6) Bromomethane	1.491	94	21671	4.442	ug/L	96
8) Chloroethane	1.555	64	28675	4.599	ug/L	99
9) Trichlorofluoromethane	1.716	101	90422	4.785	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	49558	5.137	ug/L	99
12) 1,1-Dichloroethene	2.072	96	42585	4.793	ug/L	92
13) Acetone	2.163	43	72284	43.877	ug/L	85
14) Carbon disulfide	2.246	76	93088	4.005	ug/L	99
15) Methyl Acetate	2.394	43	12685	3.785	ug/L	93
16) Methylene chloride	2.452	84	43471	4.326	ug/L	92
17) Methyl tert-butyl Ether	2.712	73	85078	5.031	ug/L	96
18) trans-1,2-Dichloroethene	2.699	96	38110	4.696	ug/L	99
19) 1,1-Dichloroethane	3.117	63	77072	4.919	ug/L	98
21) 2-Butanone	3.918	43	80117	44.219	ug/L	# 75
22) cis-1,2-Dichloroethene	3.822	96	41764	4.878	ug/L	98
23) Bromochloromethane	4.156	128	20632	5.118	ug/L	# 88
25) Chloroform	4.285	83	88816	5.283	ug/L	96

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 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

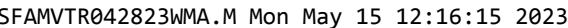
Instrument :
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 ClientSampleId :
 VSTD005348

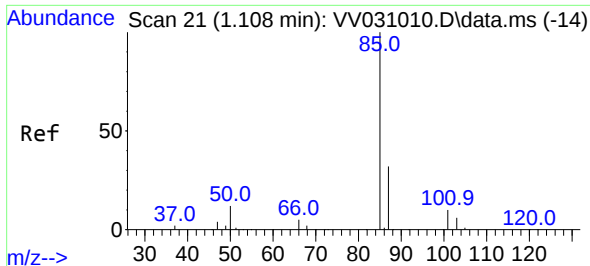
Quant Time: May 15 12:16:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	54331	5.149	ug/L	97
29) 1,1,1-Trichloroethane	4.519	97	82279	5.013	ug/L	99
30) Cyclohexane	4.590	56	53824	4.341	ug/L	99
31) Carbon tetrachloride	4.741	117	76957	5.220	ug/L	96
33) Benzene	5.018	78	162748	4.953	ug/L	100
34) Trichloroethene	5.841	95	42845	4.892	ug/L	96
35) Methylcyclohexane	6.056	83	59264	4.366	ug/L	99
37) 1,2-Dichloropropane	6.101	63	40246	5.164	ug/L	99
38) Bromodichloromethane	6.439	83	59784	5.241	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	56698	4.857	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	201745	49.959	ug/L	98
42) Toluene	7.320	91	178476	5.045	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	51125	5.140	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	29388	5.082	ug/L	95
47) Tetrachloroethene	7.912	164	41067	4.915	ug/L	97
48) 2-Hexanone	8.085	43	158013	51.017	ug/L	94
49) Dibromochloromethane	8.182	129	39985	5.496	ug/L	99
50) 1,2-Dibromoethane	8.288	107	25982	5.037	ug/L #	97
51) Chlorobenzene	8.818	112	118924	4.958	ug/L	100
52) Ethylbenzene	8.950	91	185432	4.808	ug/L	97
53) m,p-Xylene	9.079	106	73833	4.797	ug/L	99
54) o-Xylene	9.484	106	70004	4.779	ug/L	99
55) Styrene	9.503	104	121461	4.914	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	33809	5.230	ug/L #	96
59) Bromoform	9.670	173	24299	5.512	ug/L	99
60) Isopropylbenzene	9.873	105	193933	4.802	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	23500	4.994	ug/L	96
62) 1,3,5-Trimethylbenzene	10.481	105	154967	4.714	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	156429	4.696	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	103565	4.994	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	101778	4.864	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	92597	4.965	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.374	75	5723	4.792	ug/L	91
69) 1,3,5-Trichlorobenzene	12.590	180	79448	4.838	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	56012	4.439	ug/L	99
71) Naphthalene	13.448	128	64172	3.546	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	46085	4.314	ug/L	99

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

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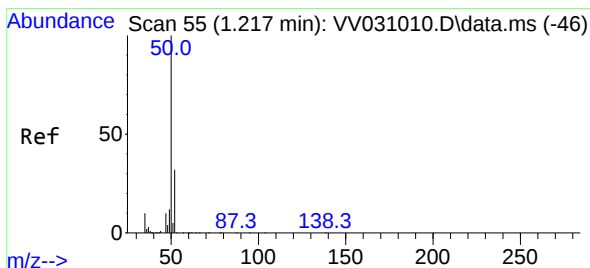
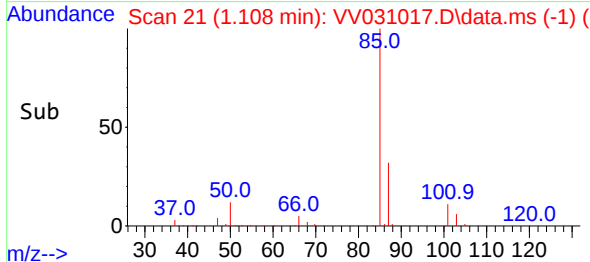
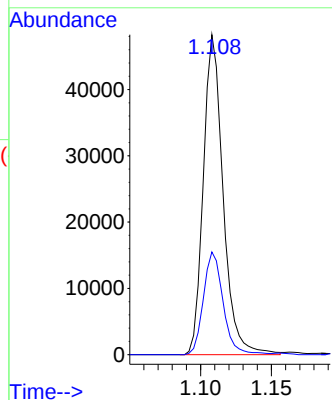
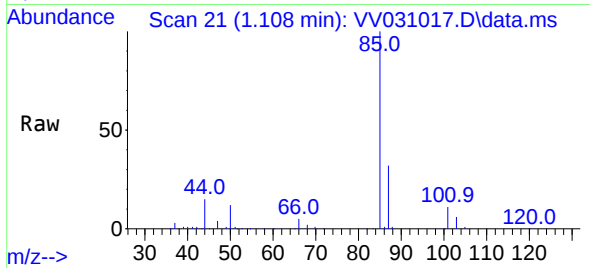




#2
 Dichlorodifluoromethane
 Concen: 4.494 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031017.D
 Acq: 15 May 2023 09:23

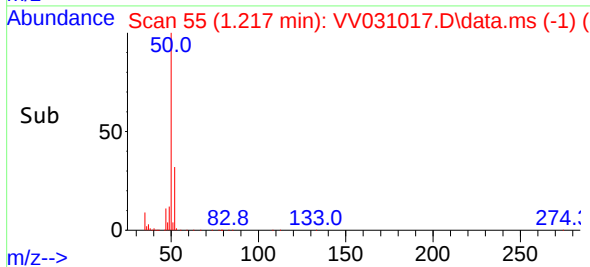
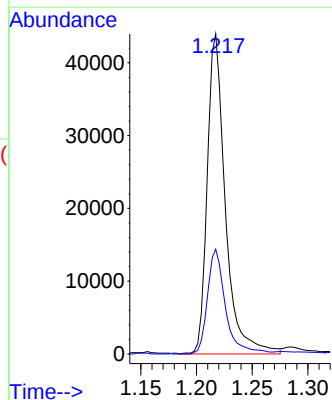
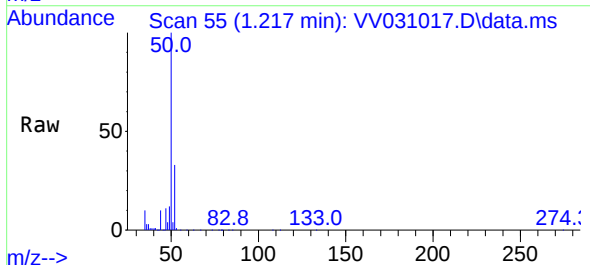
Instrument :
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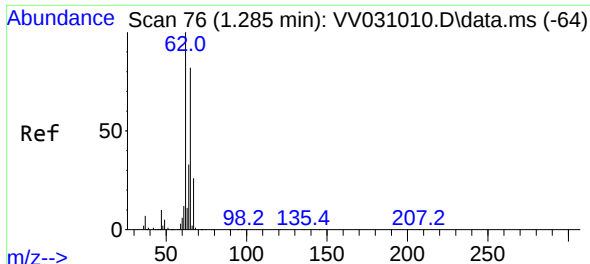
Tgt Ion: 85 Resp: 46863
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.6



#3
 Chloromethane
 Concen: 4.064 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031017.D
 Acq: 15 May 2023 09:23

Tgt Ion: 50 Resp: 49738
 Ion Ratio Lower Upper
 50 100
 52 32.8 22.8 42.4

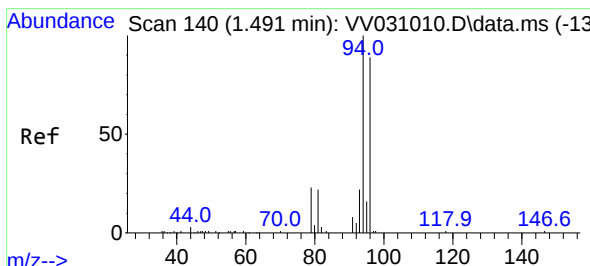
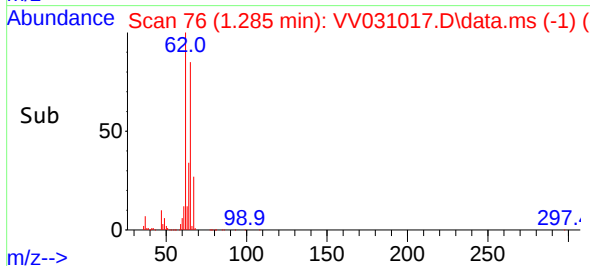
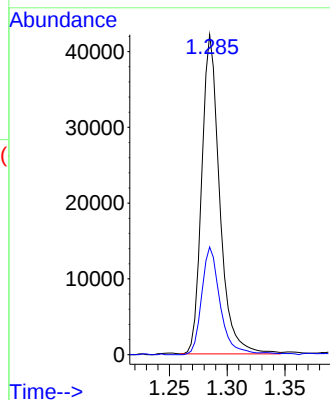
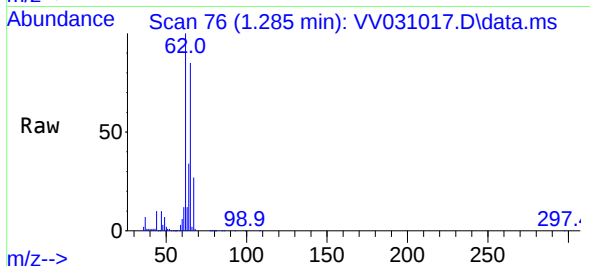




#5
 Vinyl chloride
 Concen: 4.438 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV031017.D
 Acq: 15 May 2023 09:23

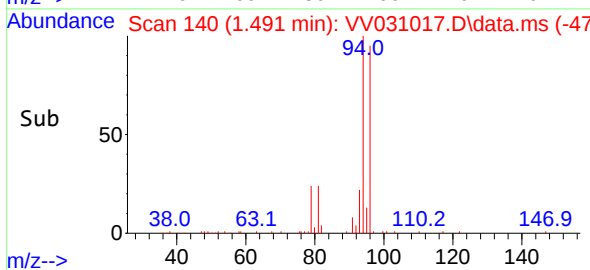
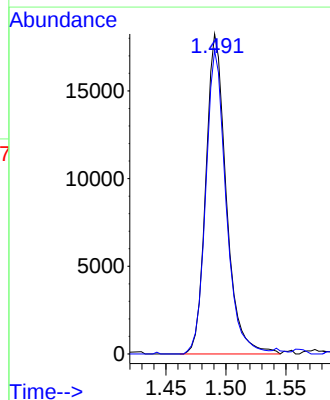
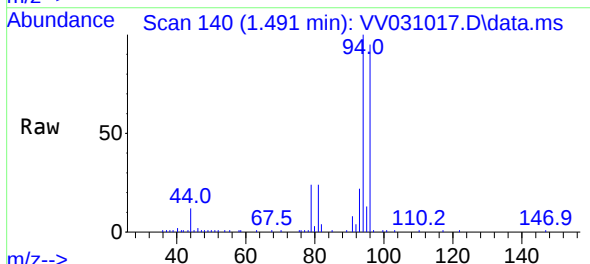
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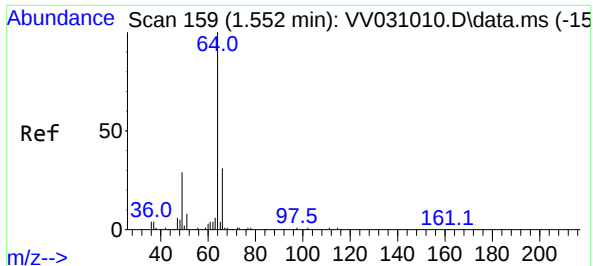
Tgt Ion: 62 Resp: 45453
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.8 42.4



#6
 Bromomethane
 Concen: 4.442 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031017.D
 Acq: 15 May 2023 09:23

Tgt Ion: 94 Resp: 21671
 Ion Ratio Lower Upper
 94 100
 96 94.8 63.4 117.8

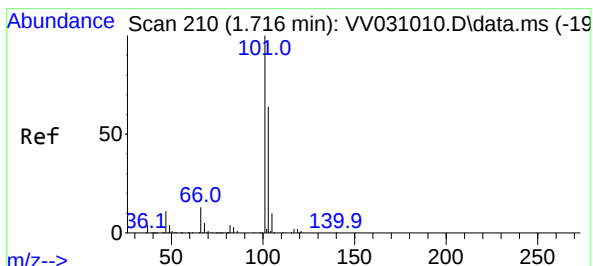
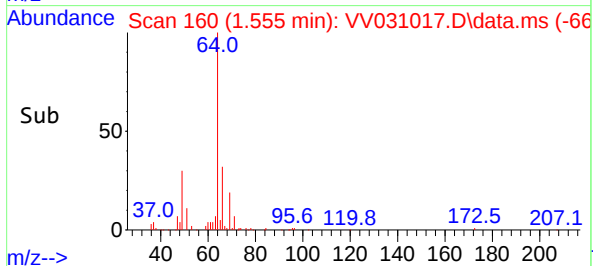
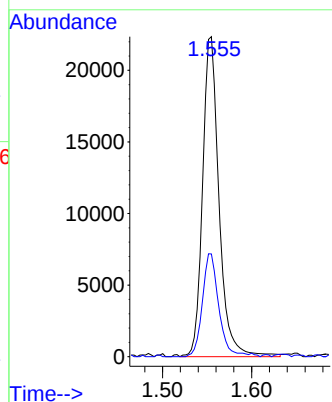
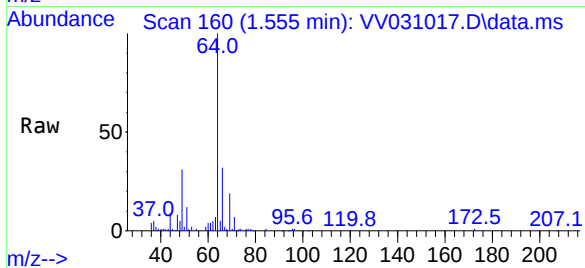




#8
Chloroethane
Concen: 4.599 ug/L
RT: 1.555 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

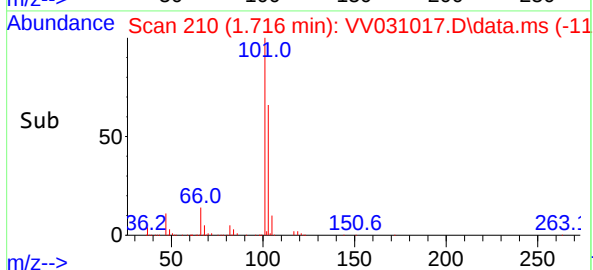
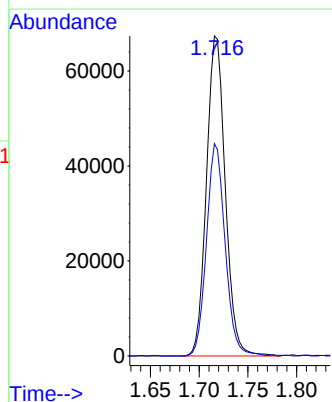
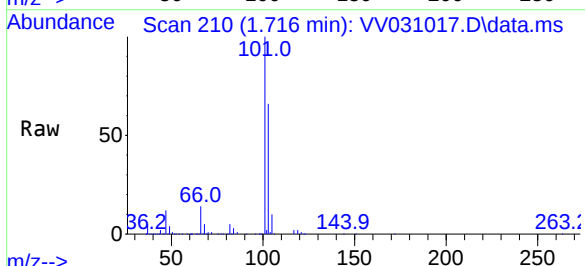
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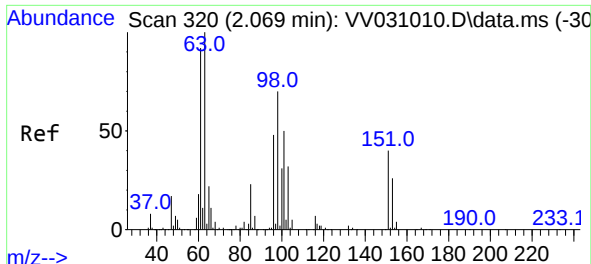
Tgt Ion: 64 Resp: 28675
Ion Ratio Lower Upper
64 100
66 32.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 4.785 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:101 Resp: 90422
Ion Ratio Lower Upper
101 100
103 65.6 51.8 77.8

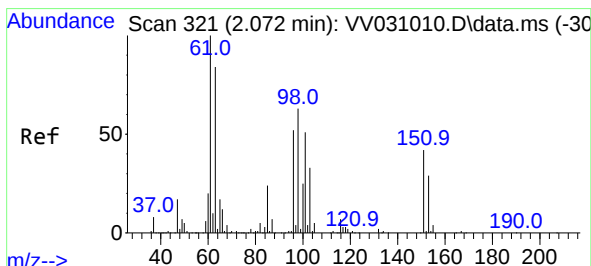
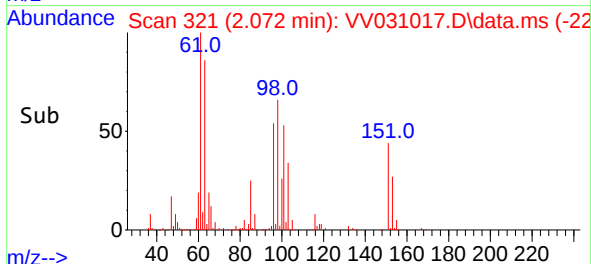
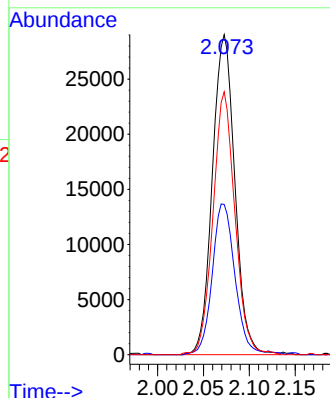
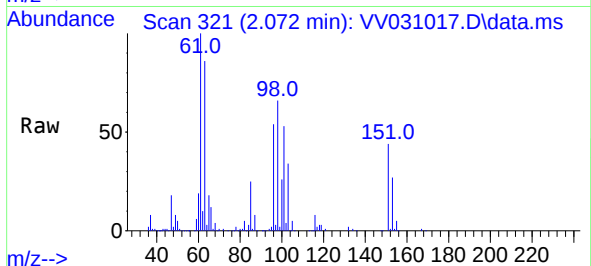




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.137 ug/L
RT: 2.072 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

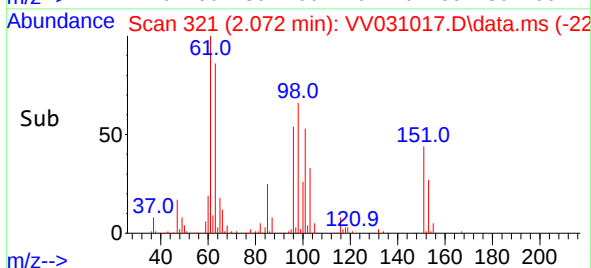
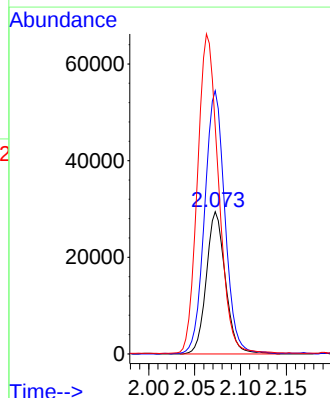
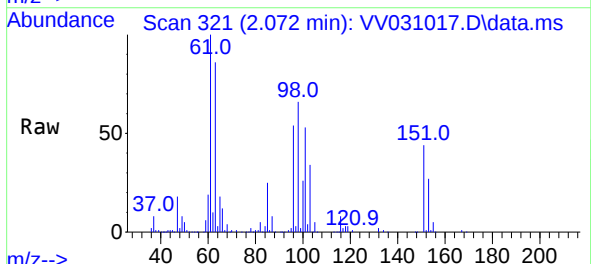
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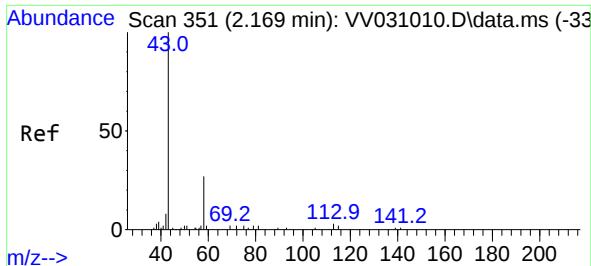
Tgt Ion:101 Resp: 49558
Ion Ratio Lower Upper
101 100
85 47.3 38.7 58.1
151 80.4 65.1 97.7



#12
1,1-Dichloroethene
Concen: 4.793 ug/L
RT: 2.072 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 96 Resp: 42585
Ion Ratio Lower Upper
96 100
61 185.2 135.6 251.8
63 159.8 121.1 224.9

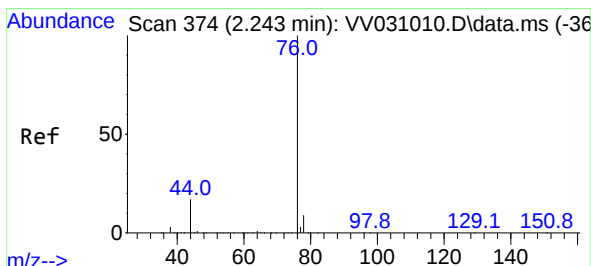
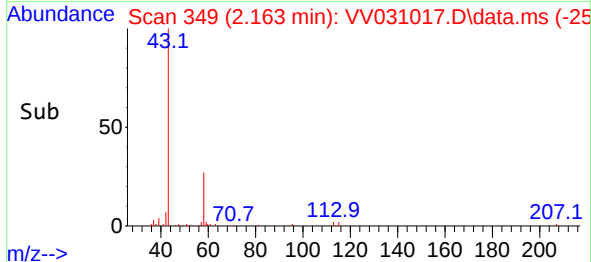
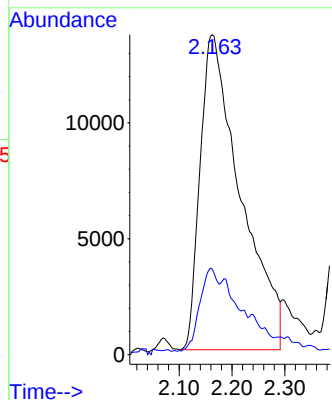
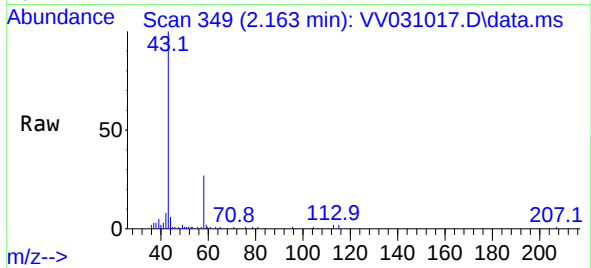




#13
Acetone
Concen: 43.877 ug/L
RT: 2.163 min Scan# 34
Delta R.T. 0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

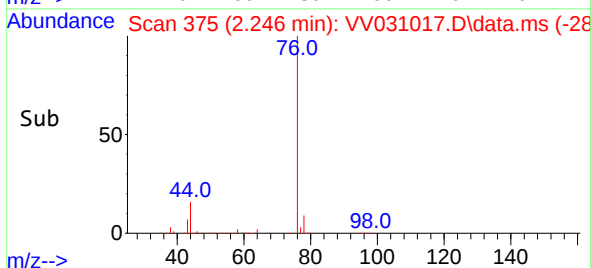
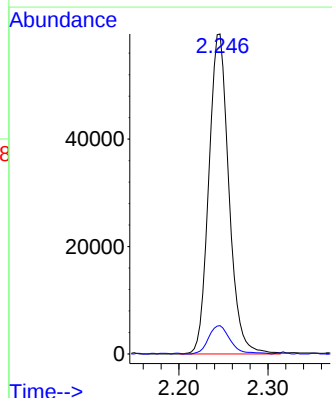
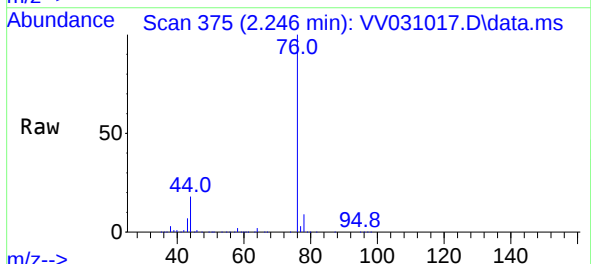
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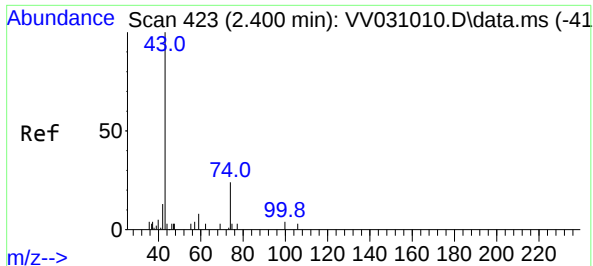
Tgt Ion: 43 Resp: 72284
Ion Ratio Lower Upper
43 100
58 11.6 0.0 37.0



#14
Carbon disulfide
Concen: 4.005 ug/L
RT: 2.246 min Scan# 375
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 76 Resp: 93088
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2

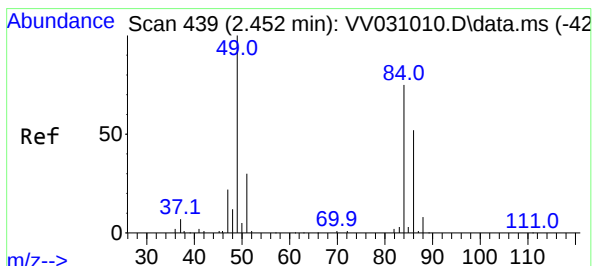
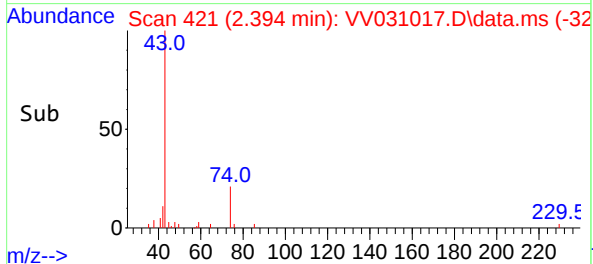
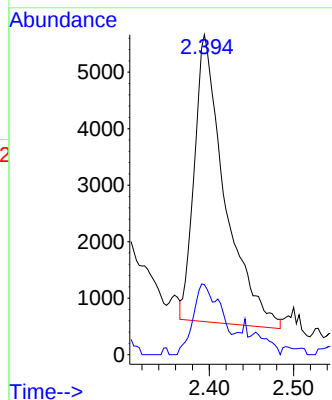
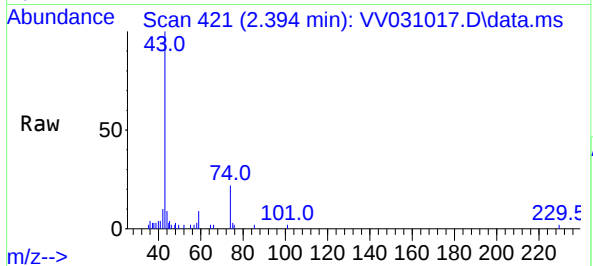




#15
Methyl Acetate
Concen: 3.785 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

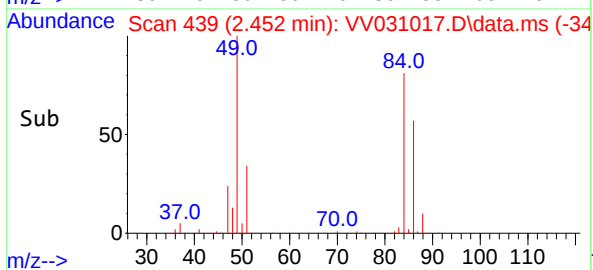
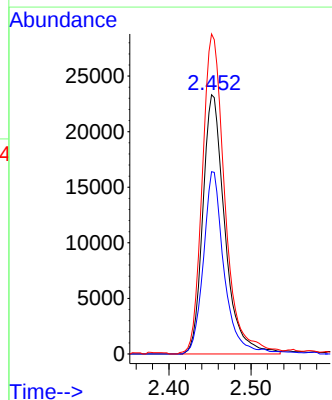
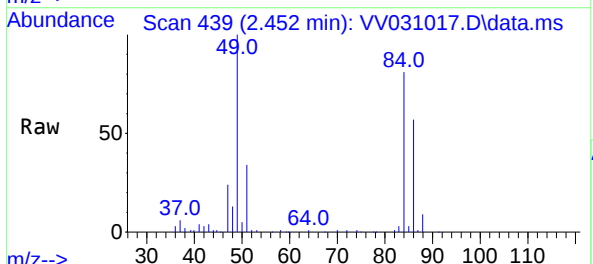
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

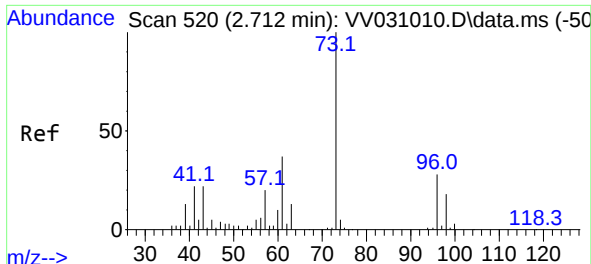
Tgt Ion: 43 Resp: 12685
Ion Ratio Lower Upper
43 100
74 22.2 15.0 22.6



#16
Methylene chloride
Concen: 4.326 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 84 Resp: 43471
Ion Ratio Lower Upper
84 100
86 70.3 46.1 85.5
49 123.5 94.3 175.1



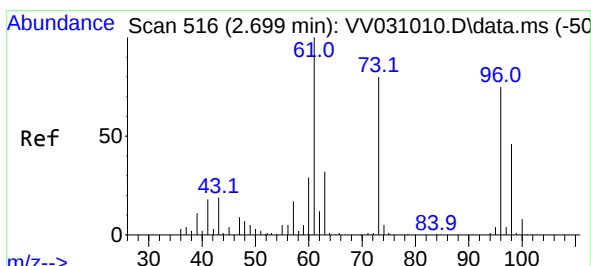
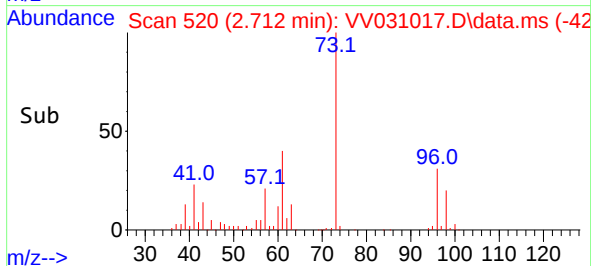
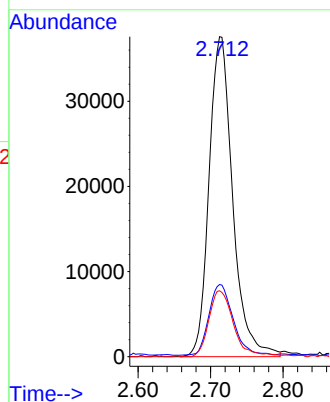
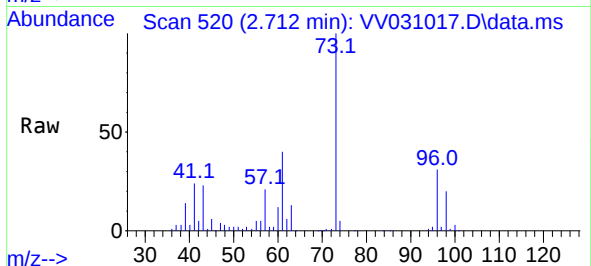


#17
Methyl tert-butyl Ether
Concen: 5.031 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

Tgt Ion: 73 Resp: 85078

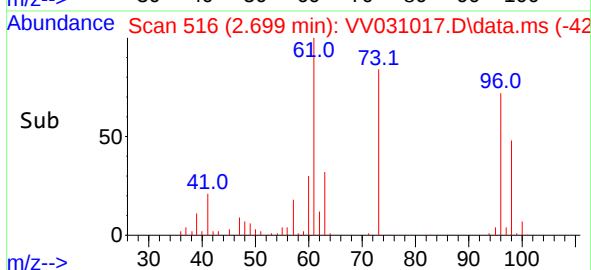
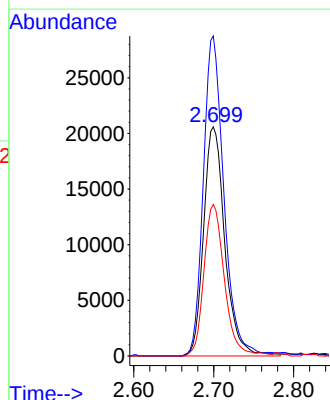
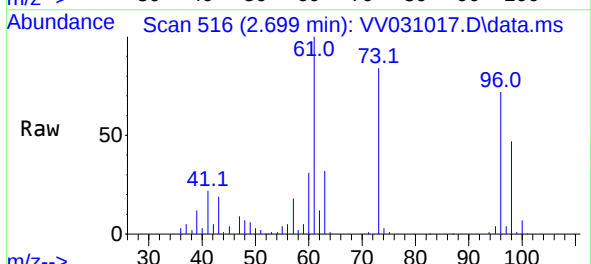
Ion	Ratio	Lower	Upper
73	100		
43	22.5	19.9	29.9
57	21.5	18.2	27.4

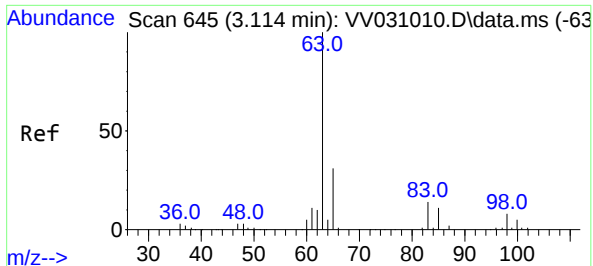


#18
trans-1,2-Dichloroethene
Concen: 4.696 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 96 Resp: 38110

Ion	Ratio	Lower	Upper
96	100		
61	139.7	98.9	183.7
98	66.1	46.0	85.4





#19

1,1-Dichloroethane

Concen: 4.919 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005348

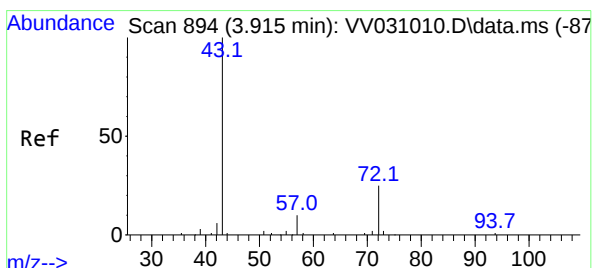
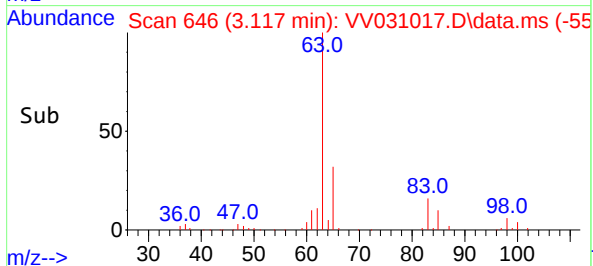
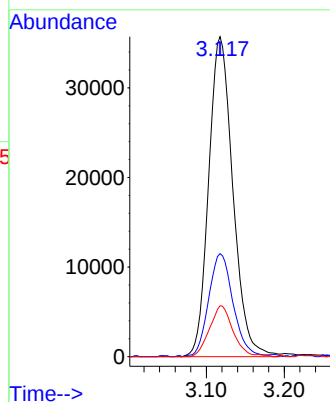
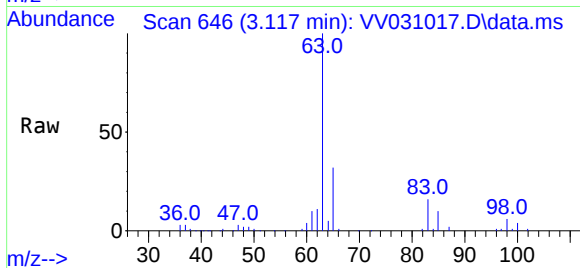
Tgt Ion: 63 Resp: 77072

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.6

83 15.9 10.2 19.0



#21

2-Butanone

Concen: 44.219 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.000 min

Lab File: VV031017.D

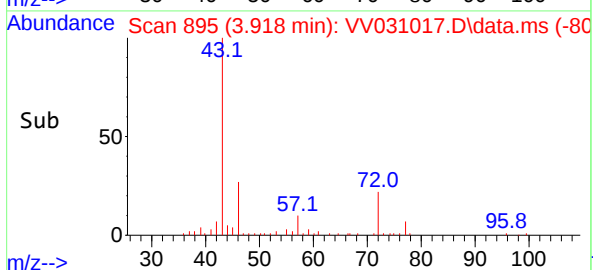
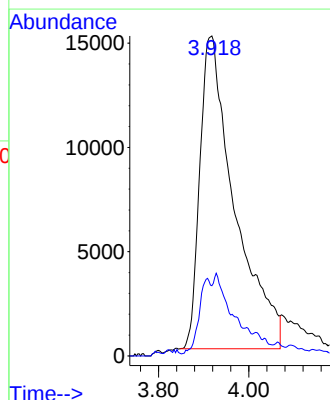
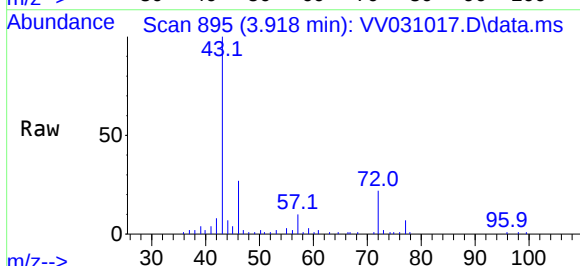
Acq: 15 May 2023 09:23

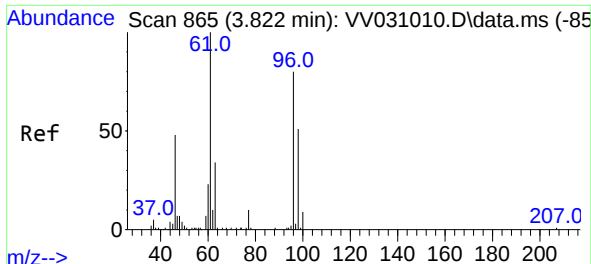
Tgt Ion: 43 Resp: 80117

Ion Ratio Lower Upper

43 100

72 7.7 9.6 28.6#



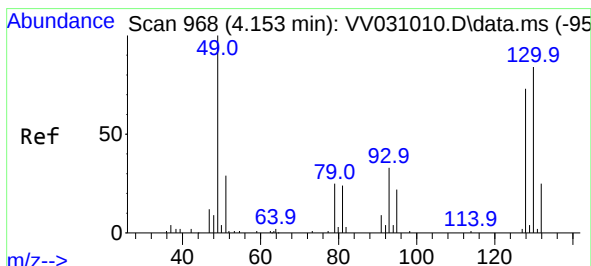
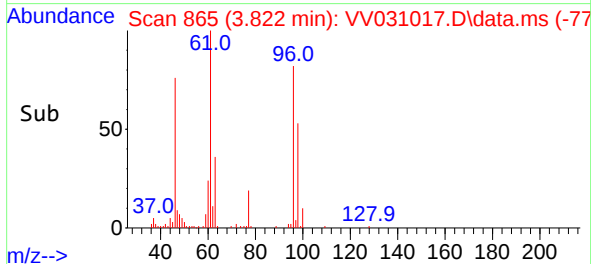
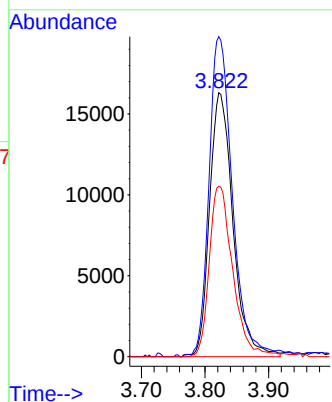
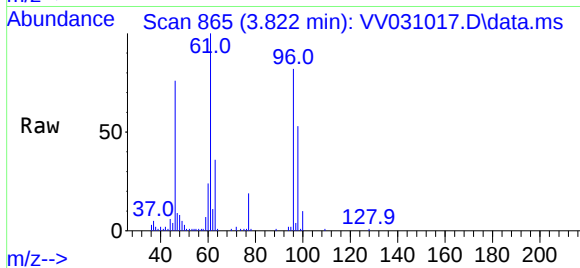


#22
 cis-1,2-Dichloroethene
 Concen: 4.878 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. -0.003 min
 Lab File: VV031017.D
 Acq: 15 May 2023 09:23

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005348

Tgt Ion: 96 Resp: 41764

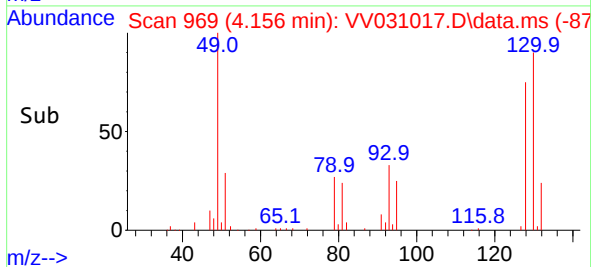
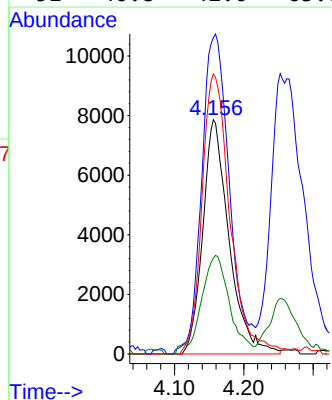
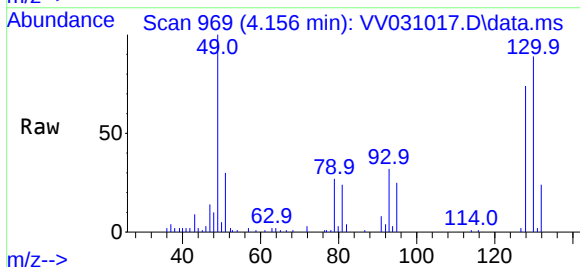
Ion	Ratio	Lower	Upper
96	100		
61	121.2	86.0	159.6
98	64.6	43.2	80.2

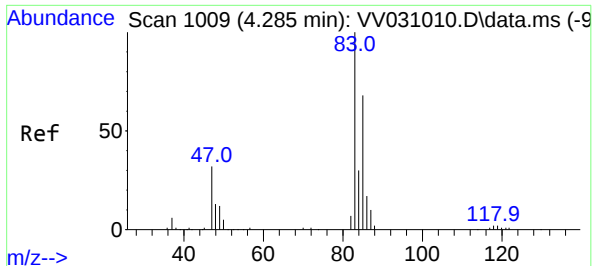


#23
 Bromochloromethane
 Concen: 5.118 ug/L
 RT: 4.156 min Scan# 969
 Delta R.T. -0.003 min
 Lab File: VV031017.D
 Acq: 15 May 2023 09:23

Tgt Ion: 128 Resp: 20632

Ion	Ratio	Lower	Upper
128	100		
49	135.0	104.7	194.5
130	119.5	93.4	173.4
51	40.8	42.0	63.0





#25

Chloroform

Concen: 5.283 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

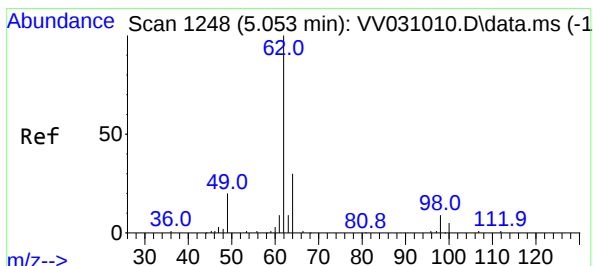
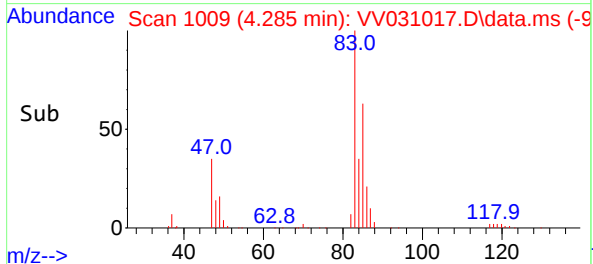
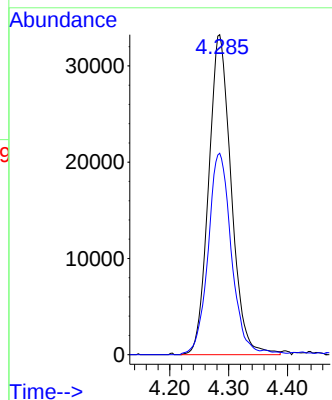
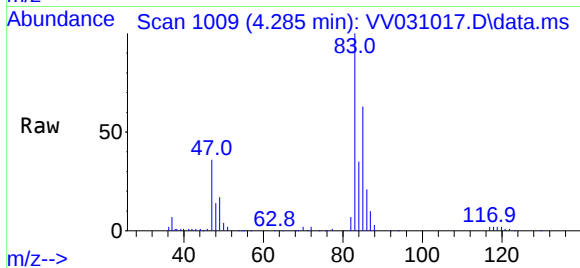
VSTD005348

Tgt Ion: 83 Resp: 88816

Ion Ratio Lower Upper

83 100

85 62.9 46.4 86.2



#27

1,2-Dichloroethane

Concen: 5.149 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.000 min

Lab File: VV031017.D

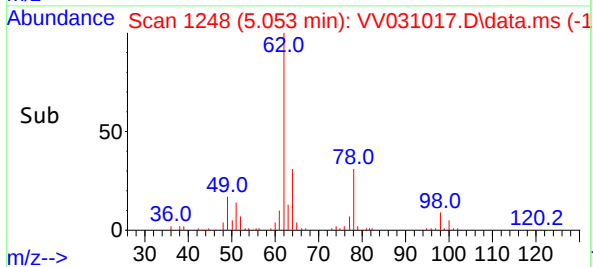
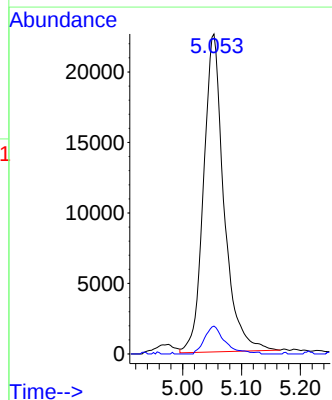
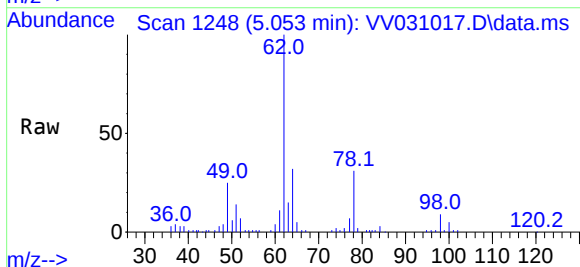
Acq: 15 May 2023 09:23

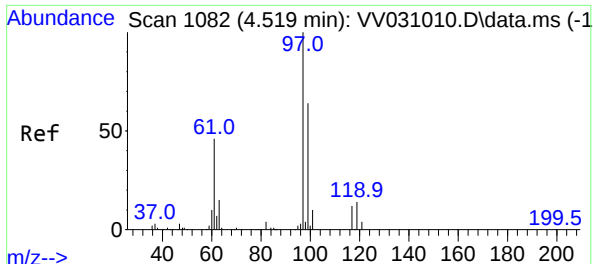
Tgt Ion: 62 Resp: 54331

Ion Ratio Lower Upper

62 100

98 8.7 6.0 9.0



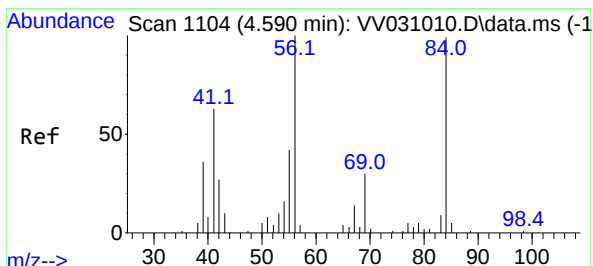
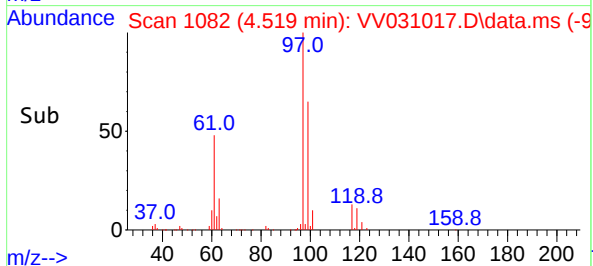
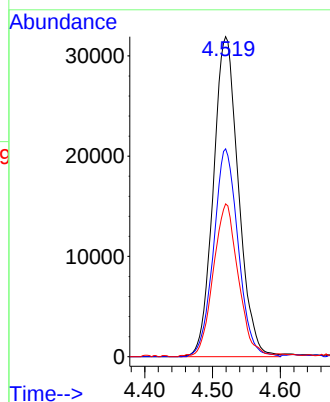
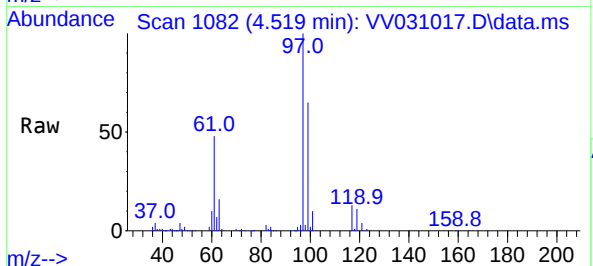


#29
1,1,1-Trichloroethane
Concen: 5.013 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

Tgt Ion: 97 Resp: 82279

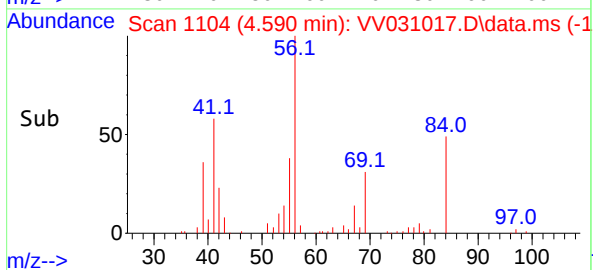
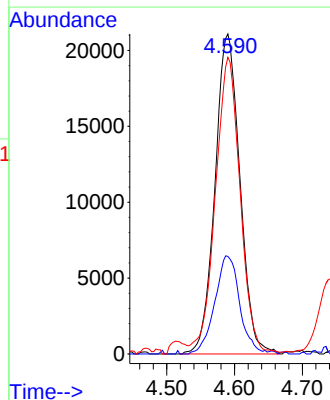
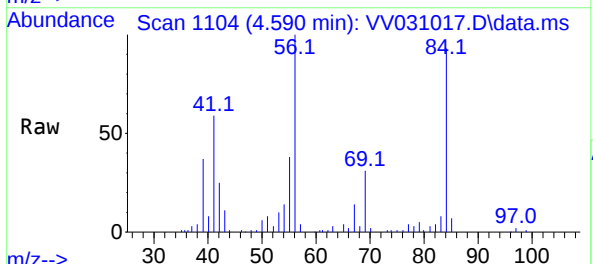
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	47.6	37.4	56.0

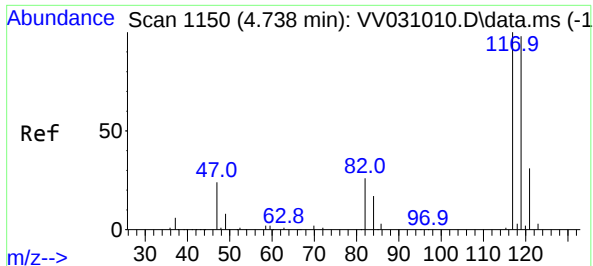


#30
Cyclohexane
Concen: 4.341 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. 0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 56 Resp: 53824

Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.0	37.6
84	91.4	74.2	111.2

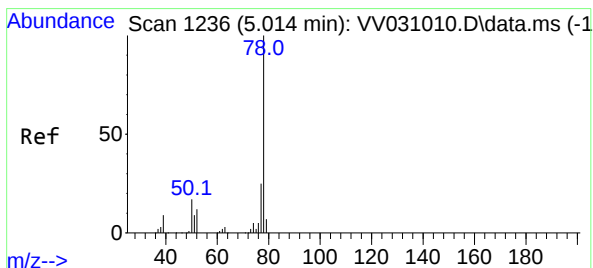
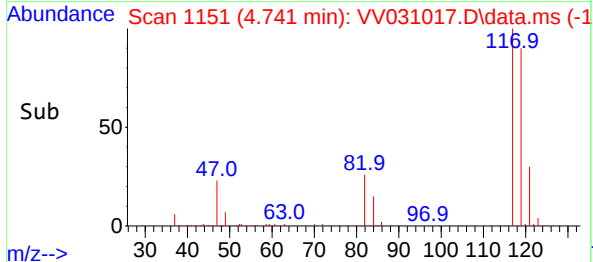
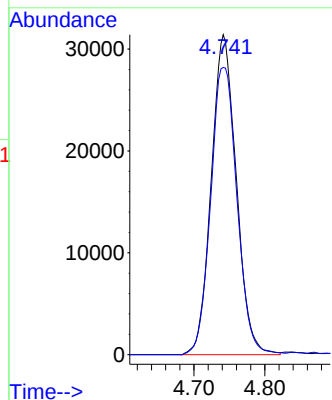
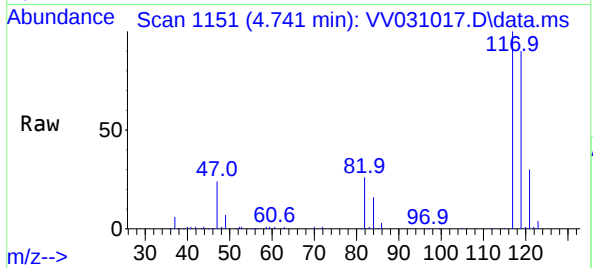




#31
Carbon tetrachloride
Concen: 5.220 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

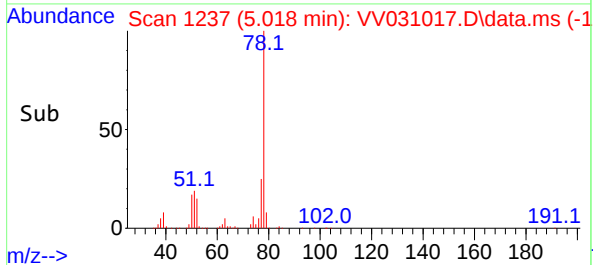
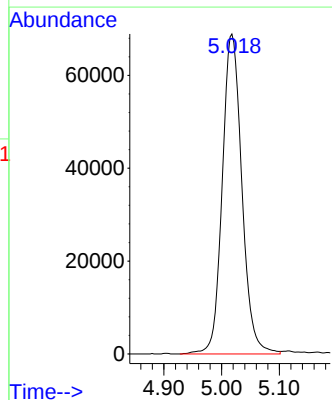
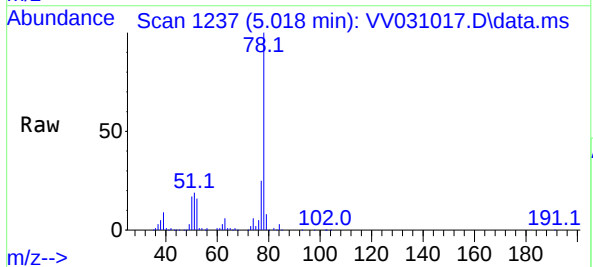
Instrument : MSVOA_V
ClientSampleId : VSTD005348

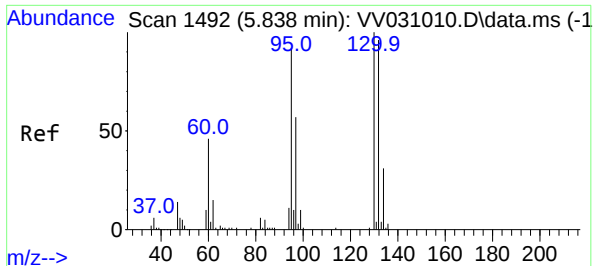
Tgt Ion:117 Resp: 76957
Ion Ratio Lower Upper
117 100
119 94.5 78.4 117.6



#33
Benzene
Concen: 4.953 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 78 Resp: 162748



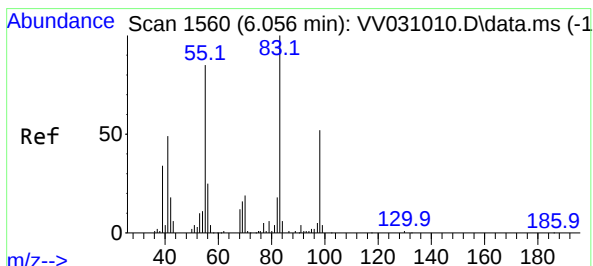
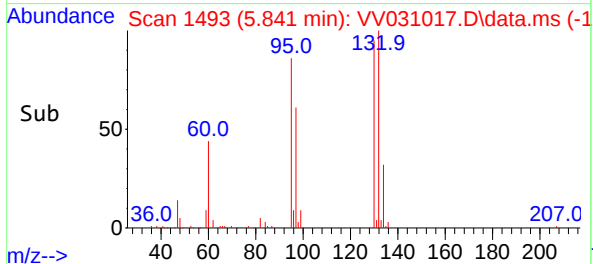
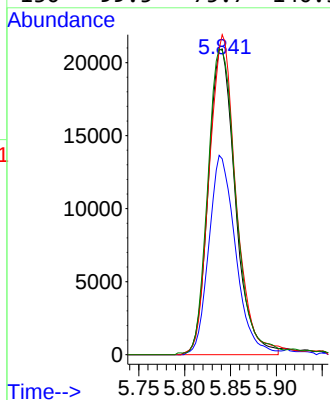
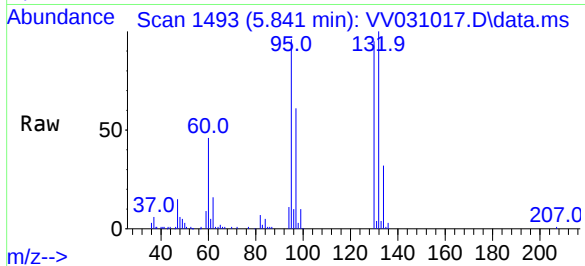


#34
Trichloroethene
Concen: 4.892 ug/L
RT: 5.841 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

Tgt Ion: 95 Resp: 42845

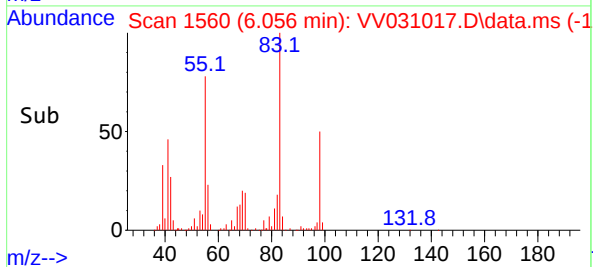
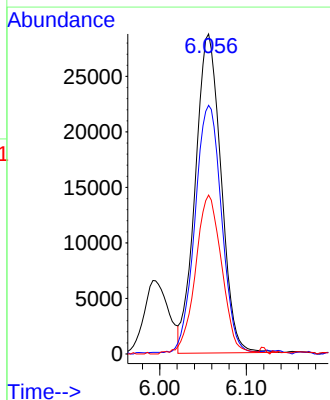
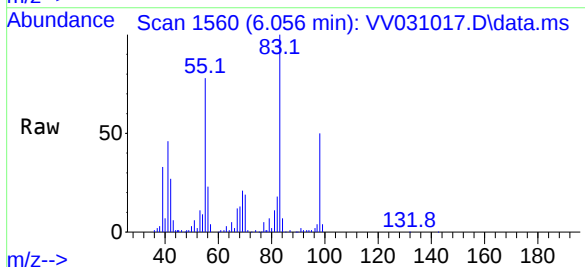
Ion	Ratio	Lower	Upper
95	100		
97	64.0	46.2	85.8
132	104.7	72.7	135.1
130	99.5	75.7	140.5

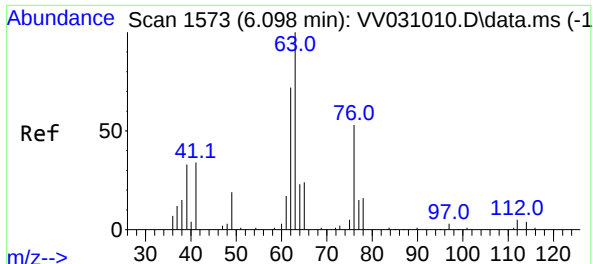


#35
Methylcyclohexane
Concen: 4.366 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 83 Resp: 59264

Ion	Ratio	Lower	Upper
83	100		
55	80.0	62.9	94.3
98	51.1	40.5	60.7

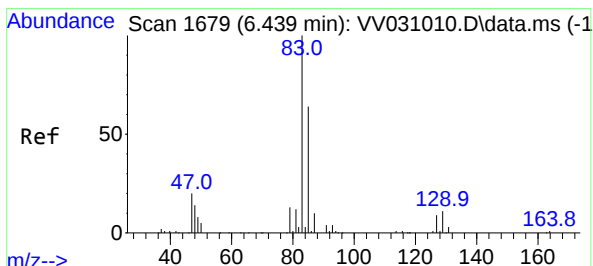
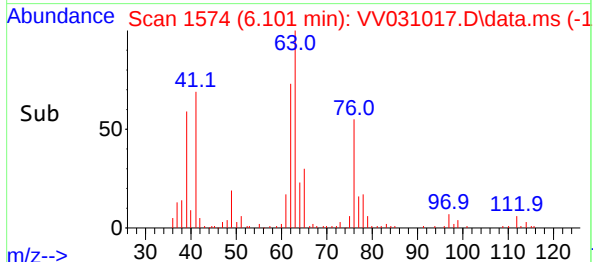
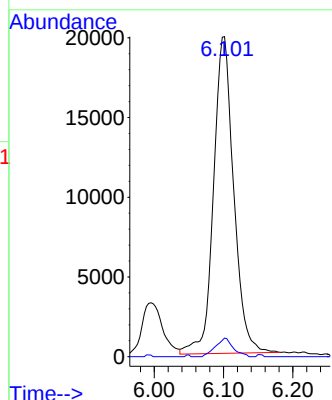
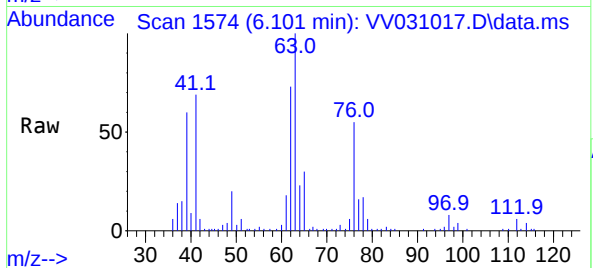




#37
1,2-Dichloropropane
Concen: 5.164 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

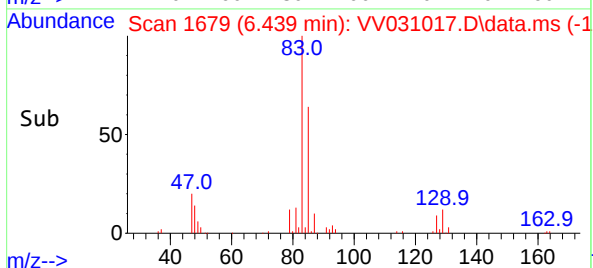
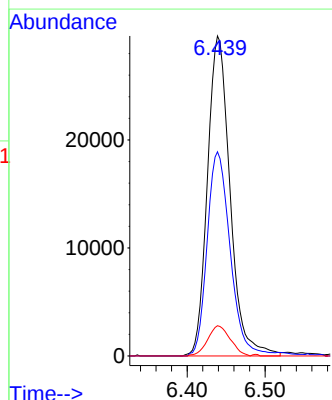
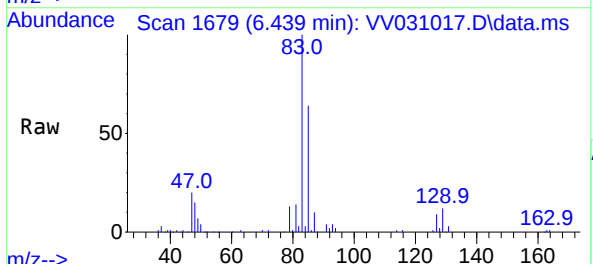
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

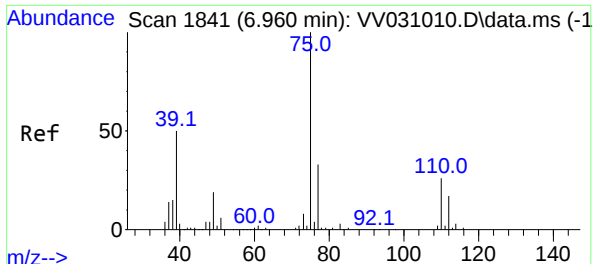
Tgt Ion: 63 Resp: 40246
Ion Ratio Lower Upper
63 100
112 5.1 3.8 5.8



#38
Bromodichloromethane
Concen: 5.241 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 83 Resp: 59784
Ion Ratio Lower Upper
83 100
85 63.8 44.4 82.4
127 9.4 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 4.857 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

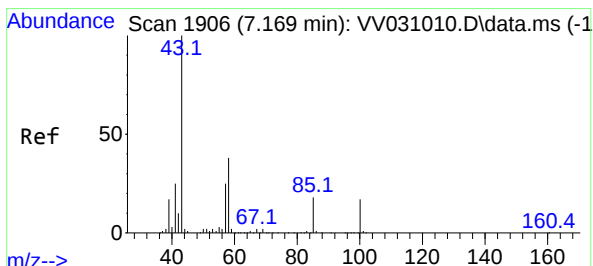
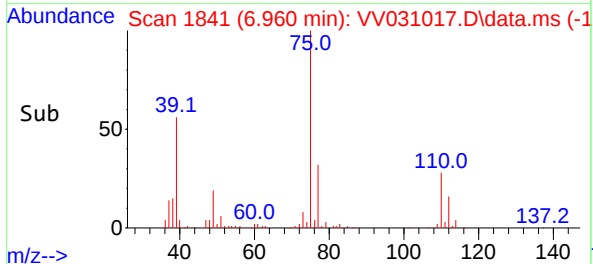
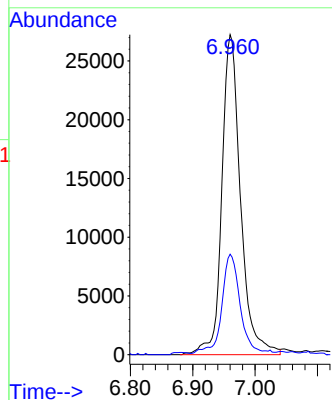
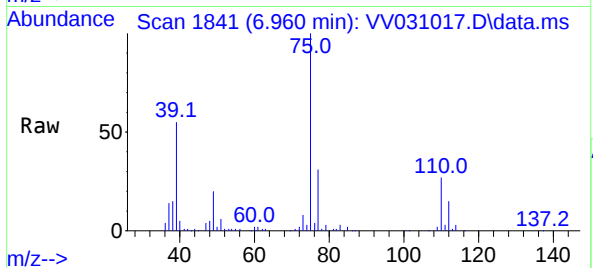
VSTD005348

Tgt Ion: 75 Resp: 56698

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 49.959 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

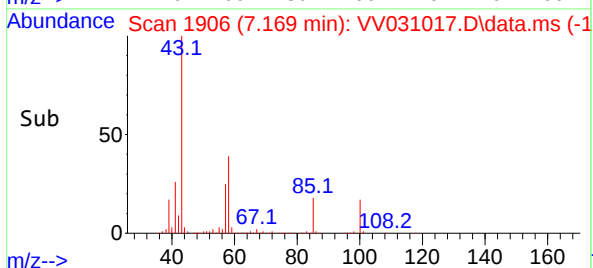
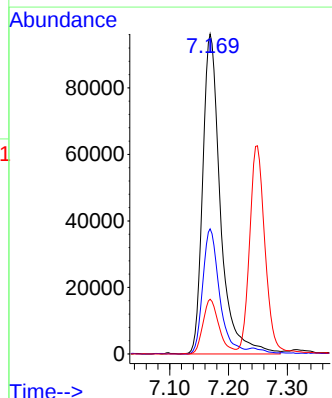
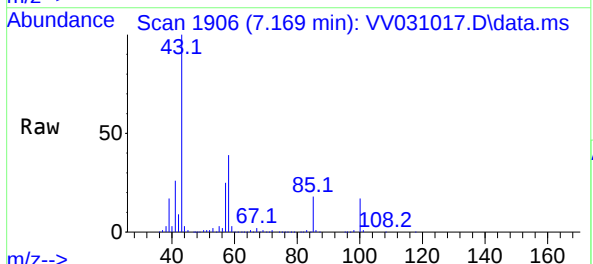
Tgt Ion: 43 Resp: 201745

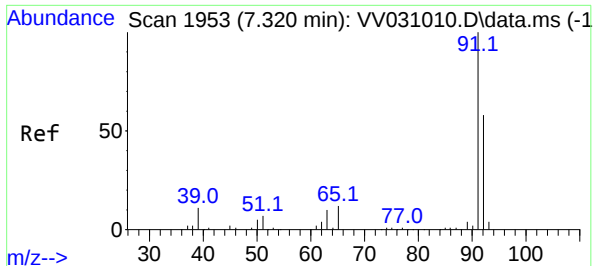
Ion Ratio Lower Upper

43 100

58 37.0 28.3 42.5

100 15.6 11.8 17.8





#42

Toluene

Concen: 5.045 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

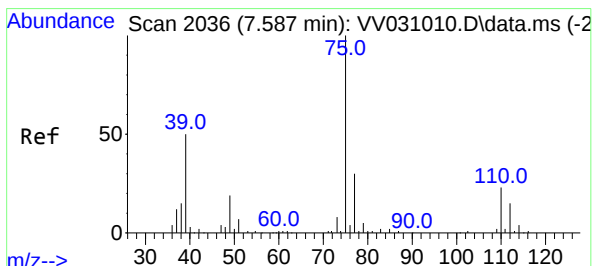
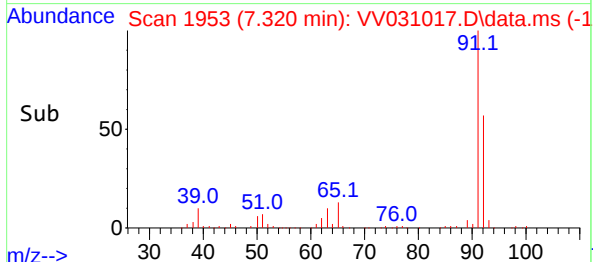
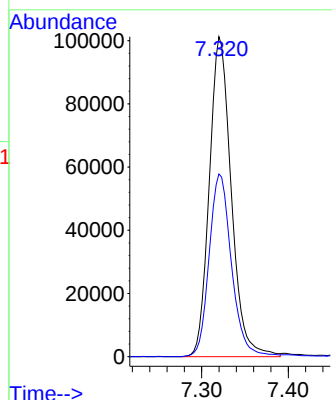
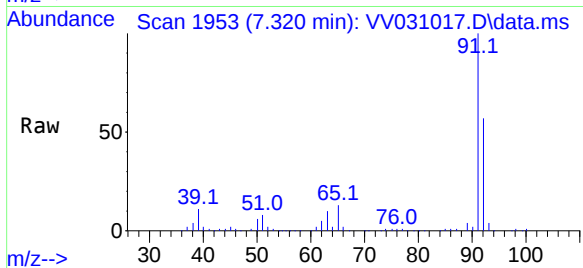
VSTD005348

Tgt Ion: 91 Resp: 178476

Ion Ratio Lower Upper

91 100

92 57.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 5.140 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV031017.D

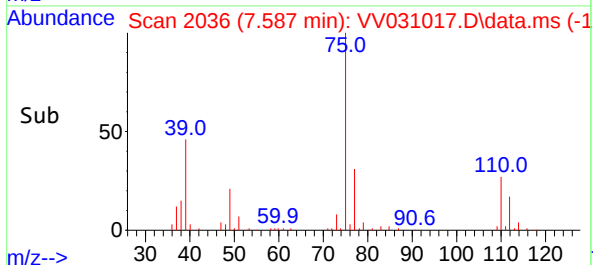
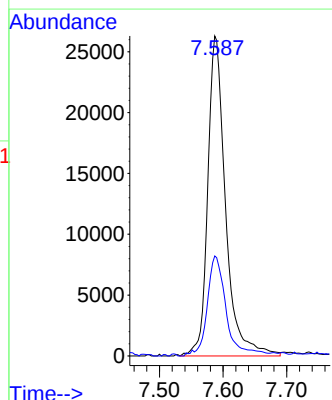
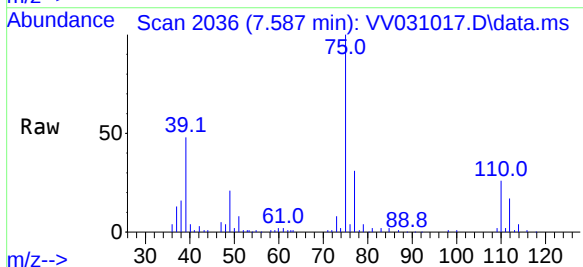
Acq: 15 May 2023 09:23

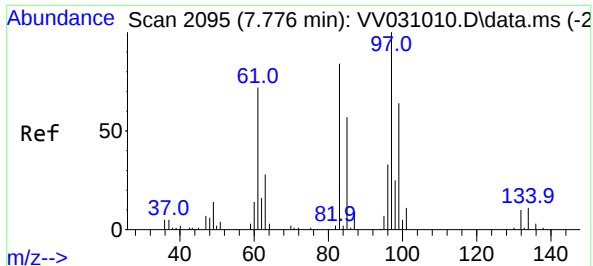
Tgt Ion: 75 Resp: 51125

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.0

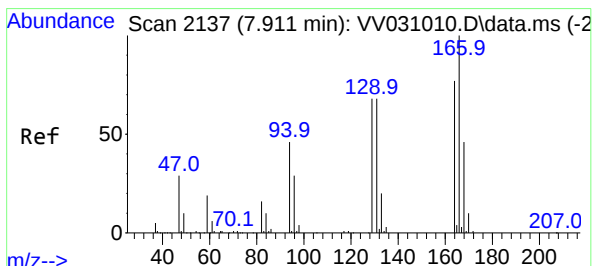
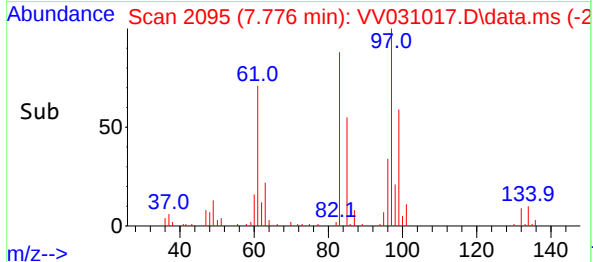
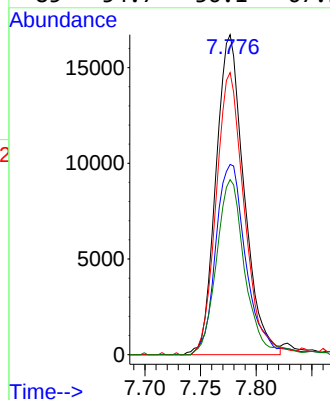
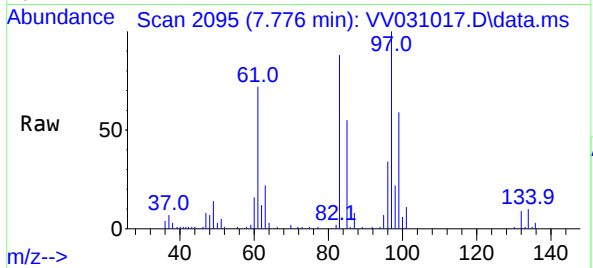




#45
1,1,2-Trichloroethane
Concen: 5.082 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

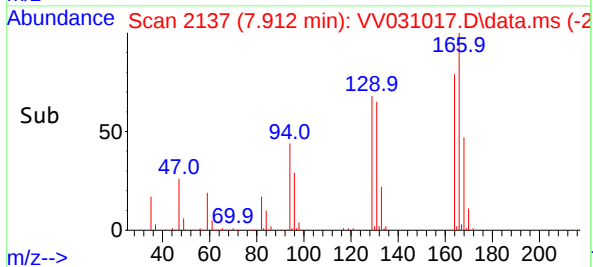
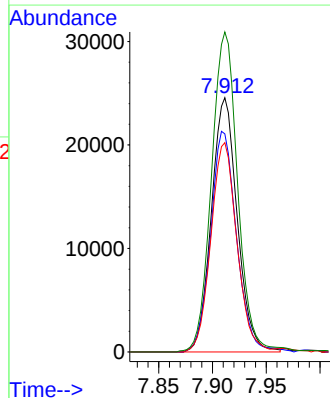
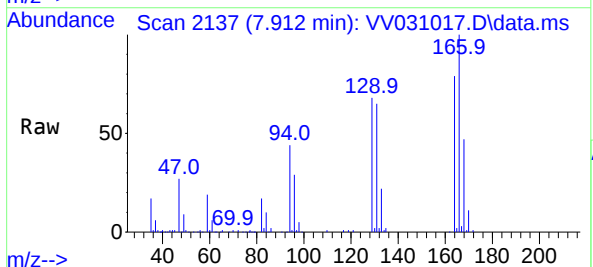
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

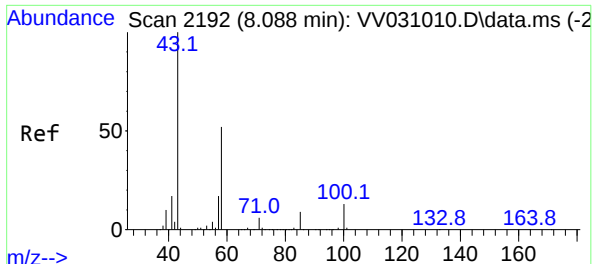
Tgt Ion:	97	Resp:	29388
Ion	Ratio	Lower	Upper
97	100		
99	59.4	42.8	79.6
83	88.1	57.5	106.7
85	54.7	36.1	67.1



#47
Tetrachloroethene
Concen: 4.915 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:	164	Resp:	41067
Ion	Ratio	Lower	Upper
164	100		
129	85.8	60.5	112.3
131	82.3	60.8	112.8
166	125.9	85.9	159.5



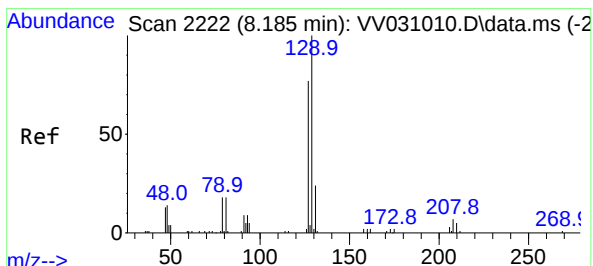
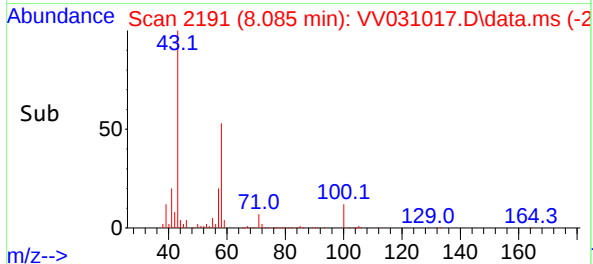
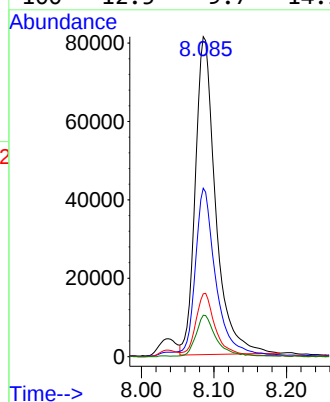
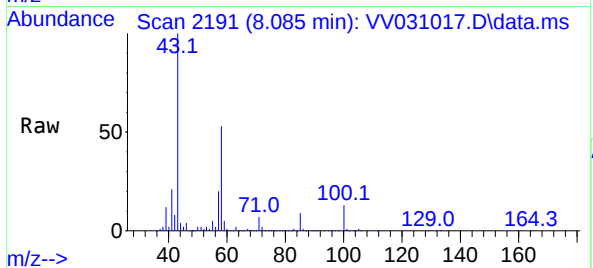


#48
2-Hexanone
Concen: 51.017 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

Tgt Ion: 43 Resp: 158013

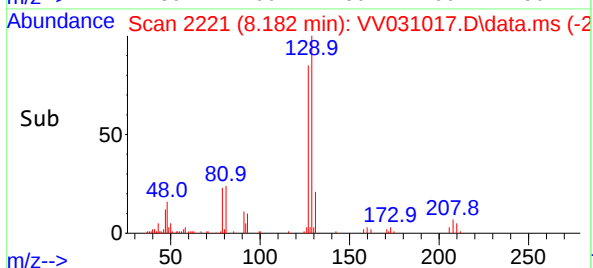
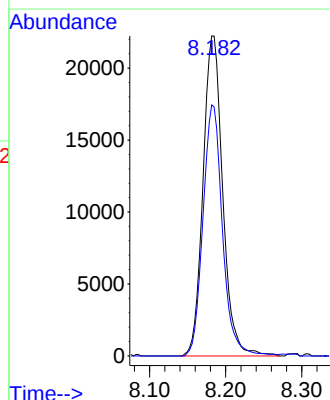
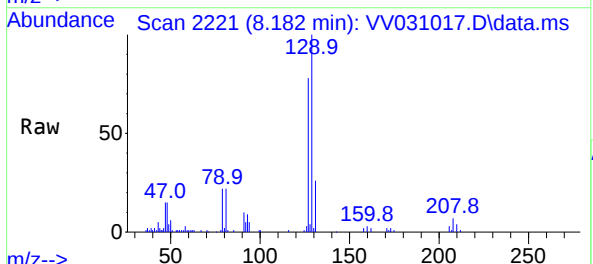
Ion	Ratio	Lower	Upper
43	100		
58	55.6	39.9	59.9
57	19.1	14.1	21.1
100	12.5	9.7	14.5

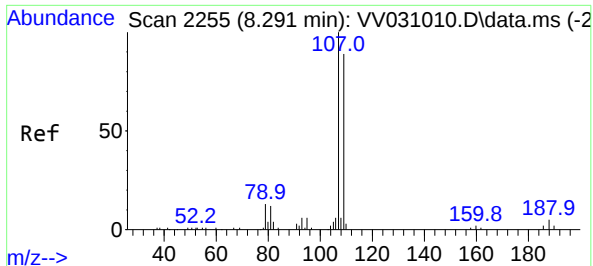


#49
Dibromochloromethane
Concen: 5.496 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 129 Resp: 39985

Ion	Ratio	Lower	Upper
129	100		
127	78.4	55.3	102.7

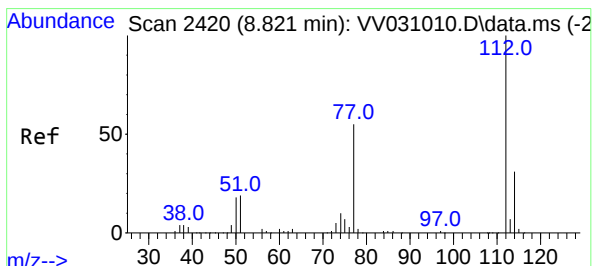
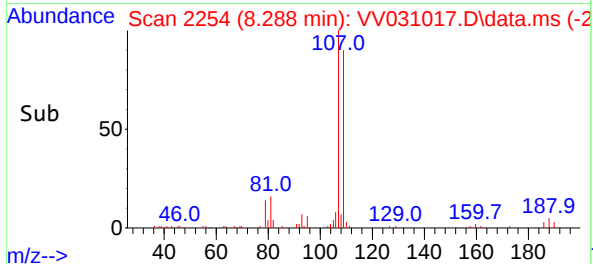
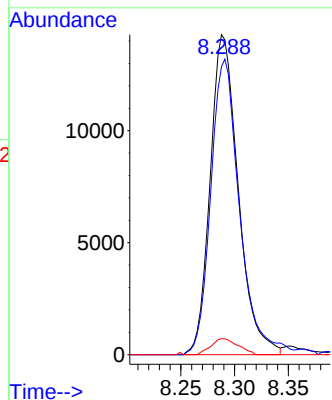
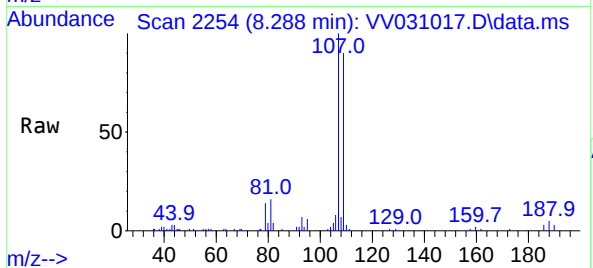




#50
1,2-Dibromoethane
Concen: 5.037 ug/L
RT: 8.288 min Scan# 2119
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

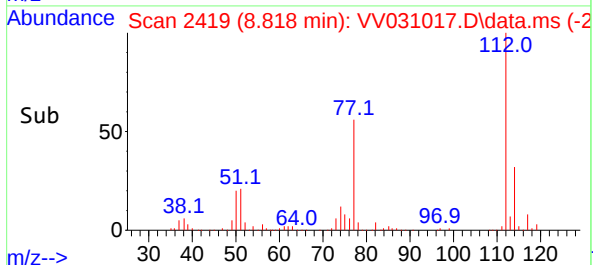
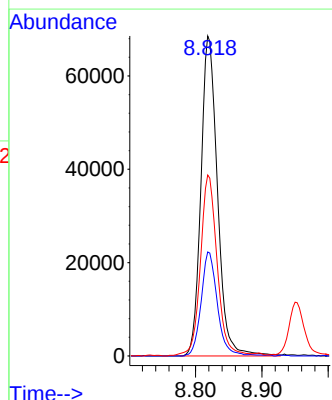
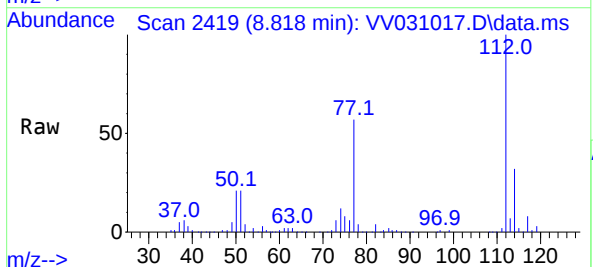
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

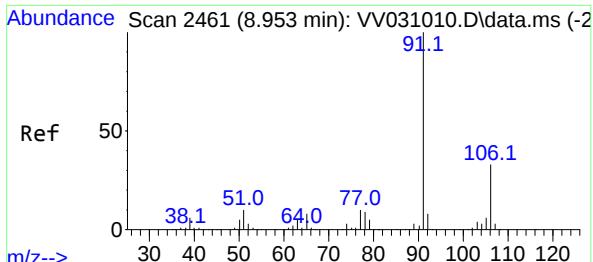
Tgt Ion:107 Resp: 25982
Ion Ratio Lower Upper
107 100
109 90.0 64.9 120.5
188 5.0 3.2 4.8#



#51
Chlorobenzene
Concen: 4.958 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:112 Resp: 118924
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.9
77 56.6 45.3 67.9

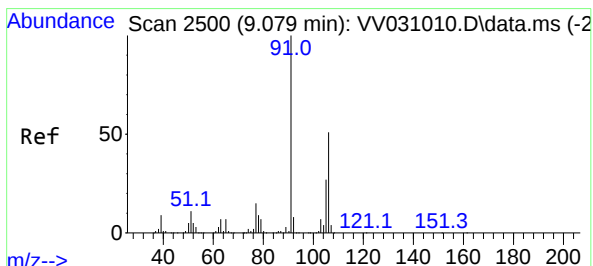
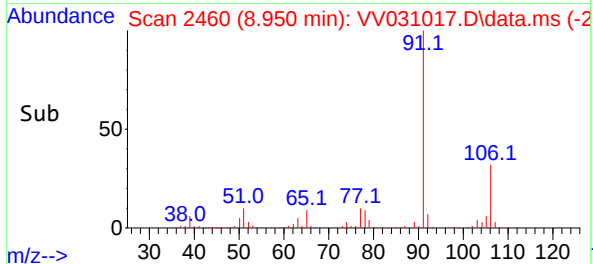
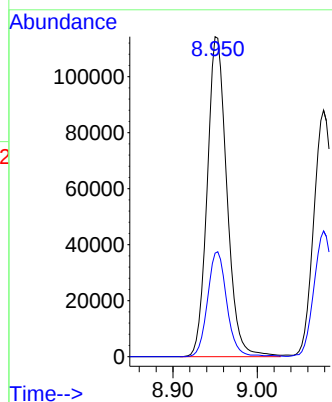
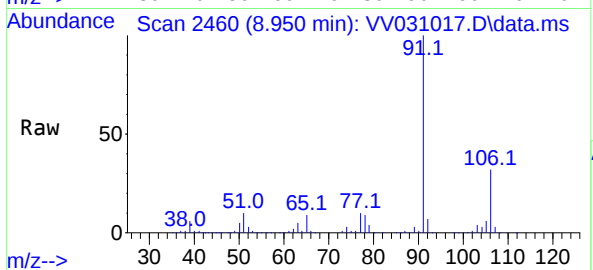




#52
Ethylbenzene
Concen: 4.808 ug/L
RT: 8.950 min Scan# 2461
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

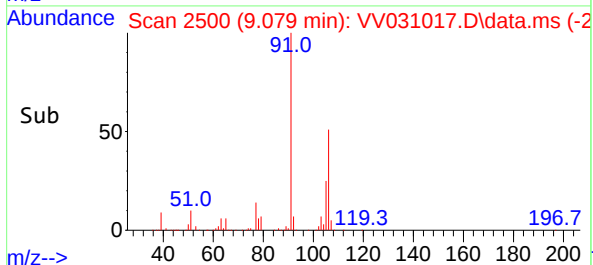
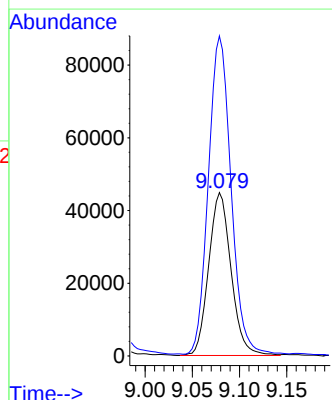
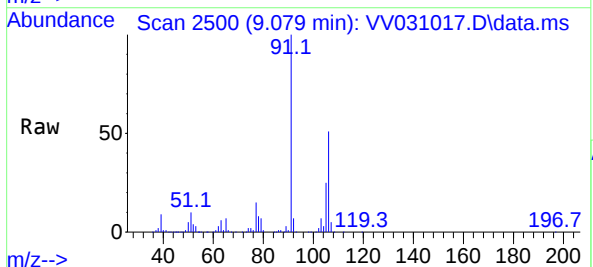
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

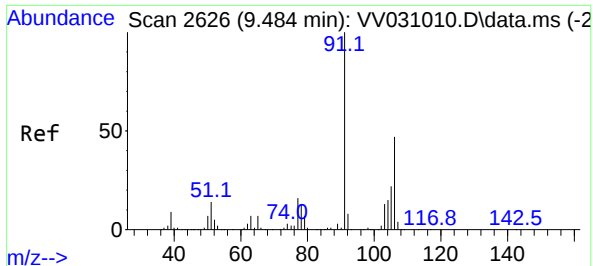
Tgt Ion: 91 Resp: 185432
Ion Ratio Lower Upper
91 100
106 32.3 21.4 39.8



#53
m,p-Xylene
Concen: 4.797 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:106 Resp: 73833
Ion Ratio Lower Upper
106 100
91 195.9 138.7 257.5





#54

o-Xylene

Concen: 4.779 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

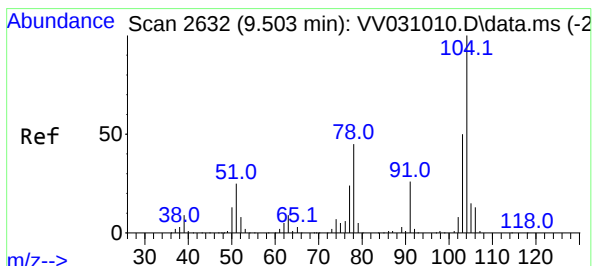
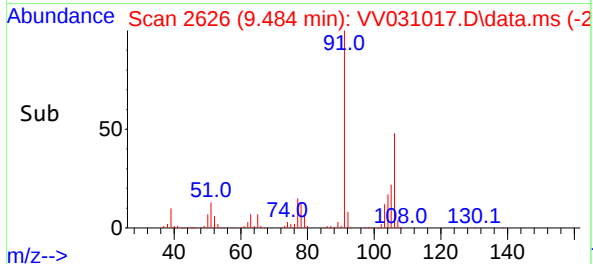
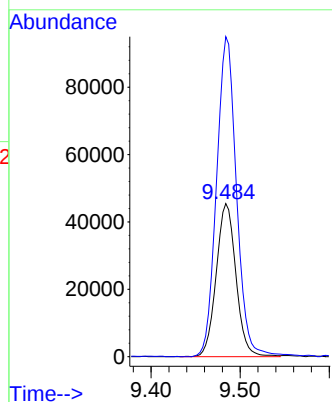
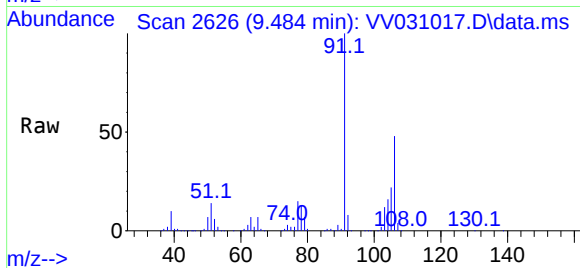
VSTD005348

Tgt Ion:106 Resp: 70004

Ion Ratio Lower Upper

106 100

91 209.0 145.1 269.5



#55

Styrene

Concen: 4.914 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. 0.000 min

Lab File: VV031017.D

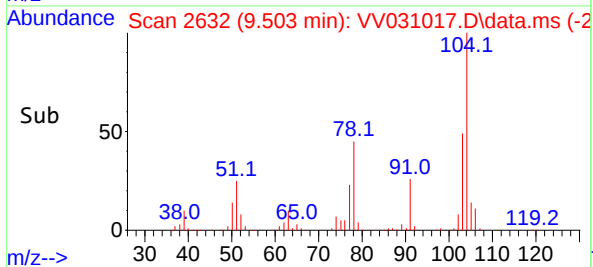
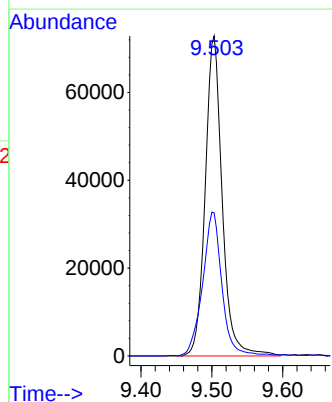
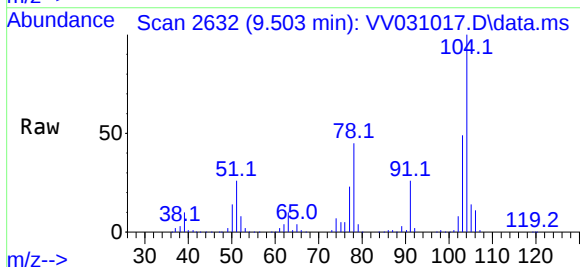
Acq: 15 May 2023 09:23

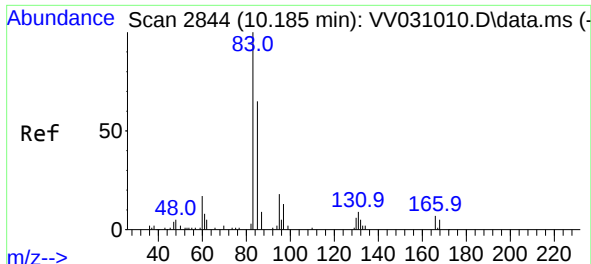
Tgt Ion:104 Resp: 121461

Ion Ratio Lower Upper

104 100

78 44.8 31.4 58.2

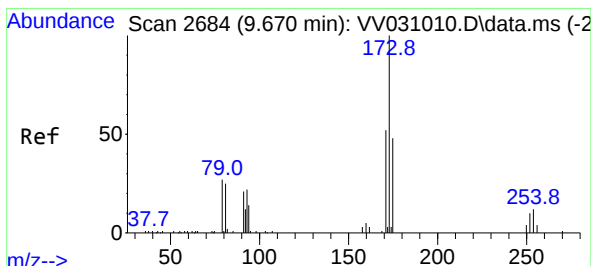
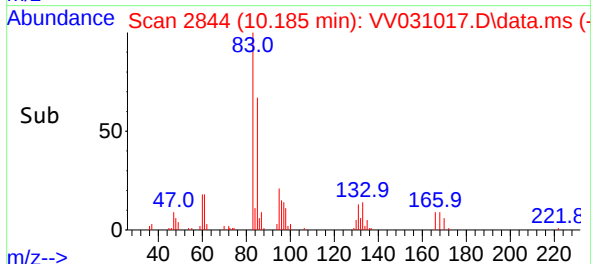
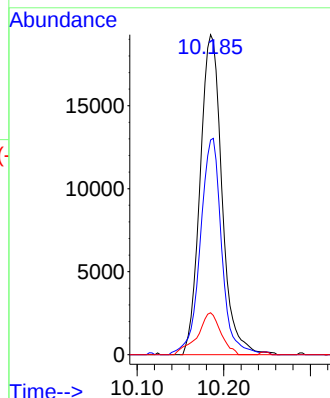
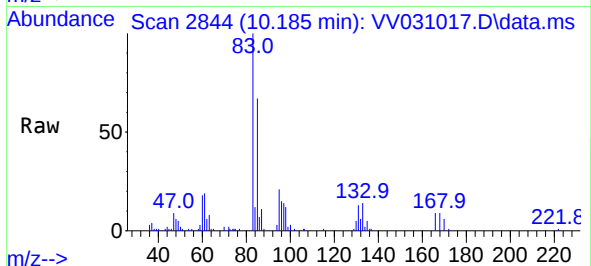




#57
1,1,2,2-Tetrachloroethane
Concen: 5.230 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

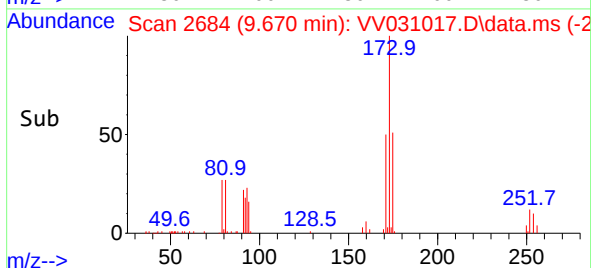
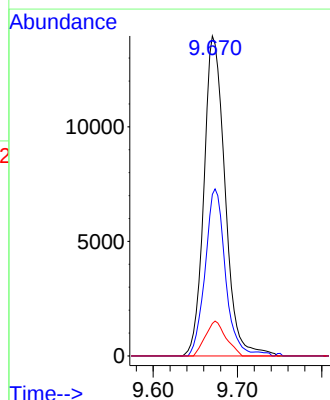
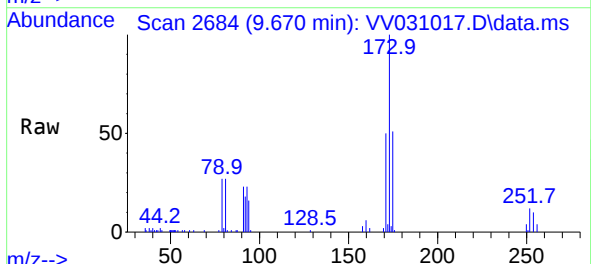
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

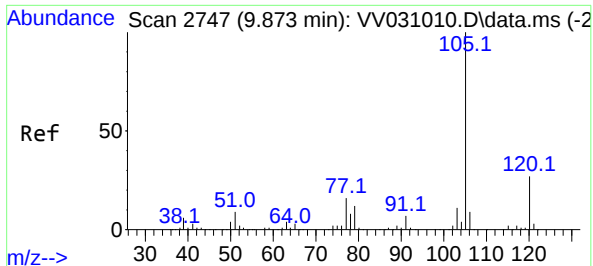
Tgt Ion: 83 Resp: 33809
Ion Ratio Lower Upper
83 100
85 67.1 45.2 84.0
131 13.1 8.3 12.5



#59
Bromoform
Concen: 5.512 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:173 Resp: 24299
Ion Ratio Lower Upper
173 100
175 49.8 39.9 59.9
254 10.6 9.7 14.5

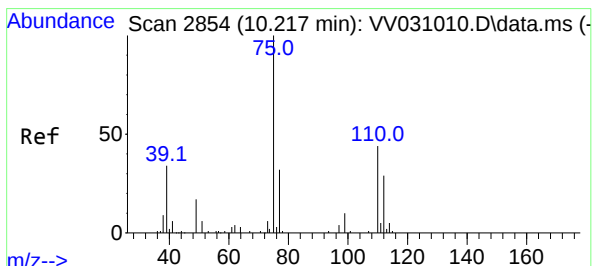
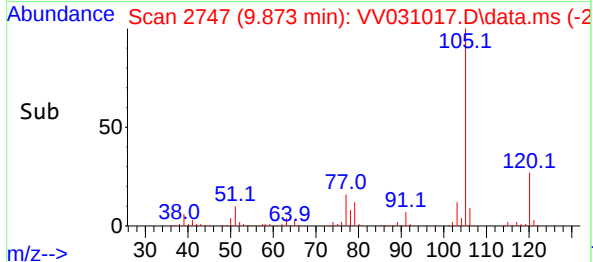
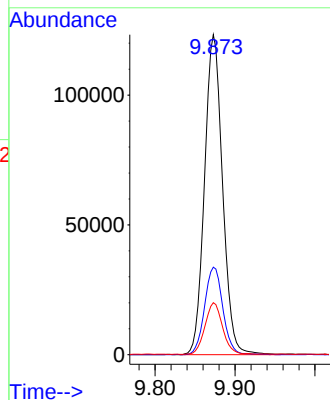
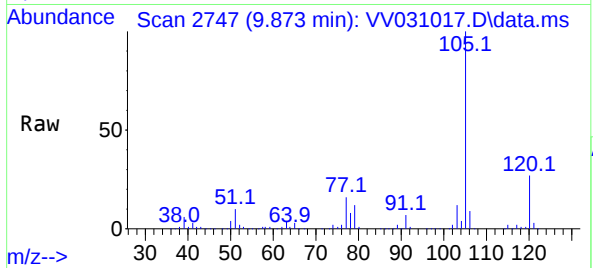




#60
Isopropylbenzene
Concen: 4.802 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

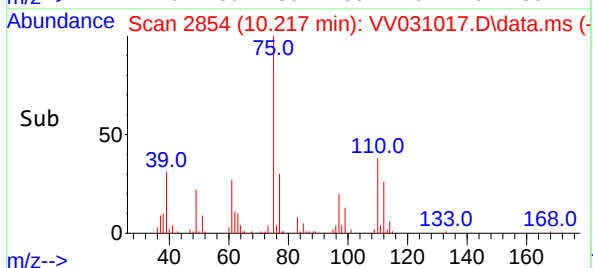
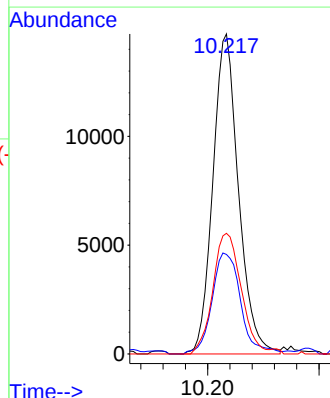
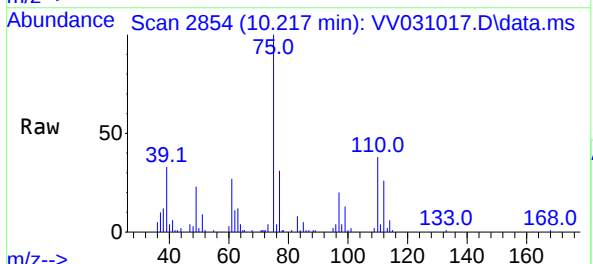
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

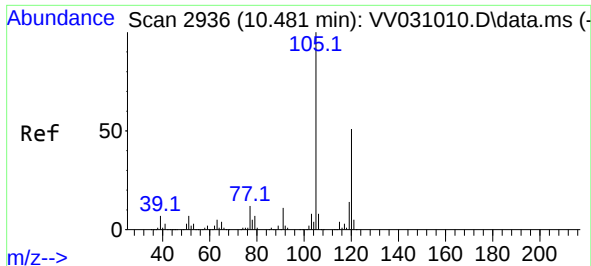
Tgt Ion:105 Resp: 193933
Ion Ratio Lower Upper
105 100
120 27.8 22.2 33.4
77 15.7 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 4.994 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion: 75 Resp: 23500
Ion Ratio Lower Upper
75 100
77 35.2 25.3 37.9
110 41.6 34.0 51.0

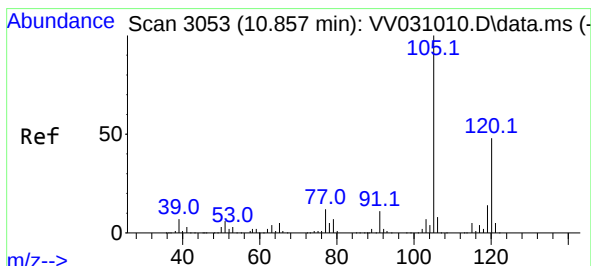
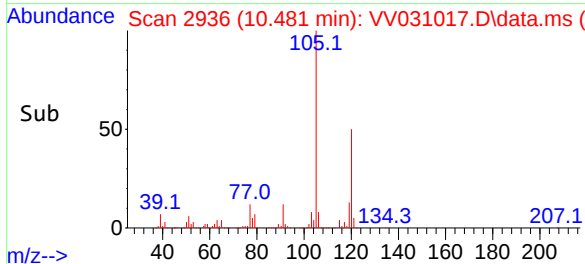
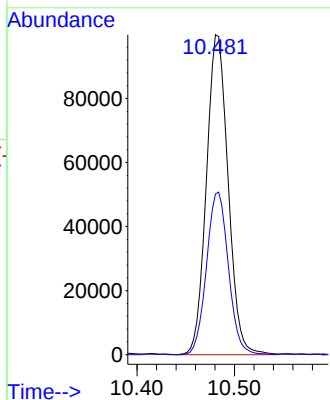
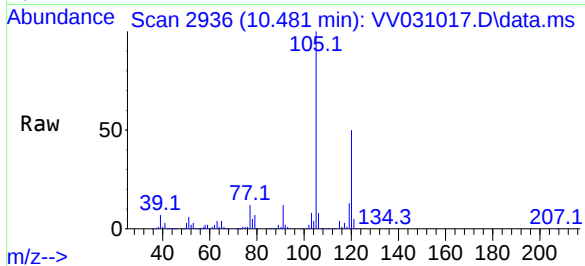




#62
1,3,5-Trimethylbenzene
Concen: 4.714 ug/L
RT: 10.481 min Scan# 2936
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

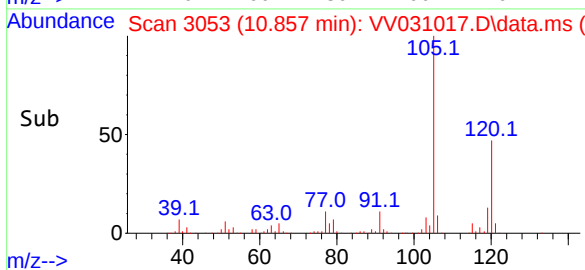
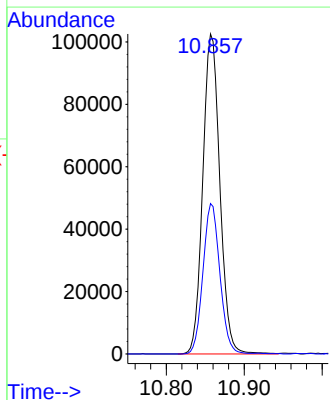
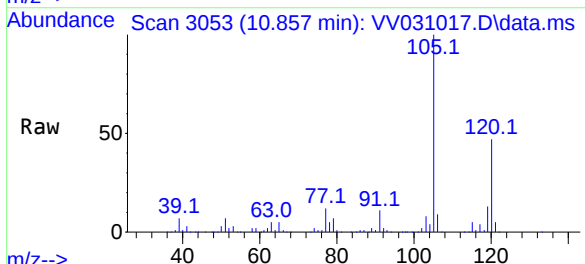
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

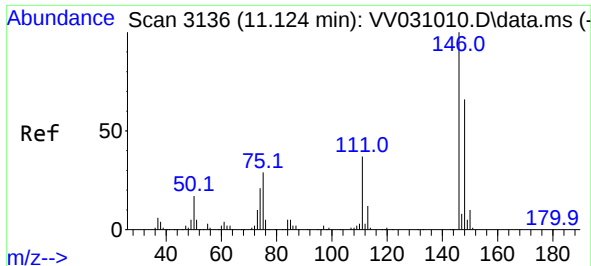
Tgt Ion:105 Resp: 154967
Ion Ratio Lower Upper
105 100
120 51.2 40.2 60.4



#63
1,2,4-Trimethylbenzene
Concen: 4.696 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:105 Resp: 156429
Ion Ratio Lower Upper
105 100
120 46.5 37.9 56.9

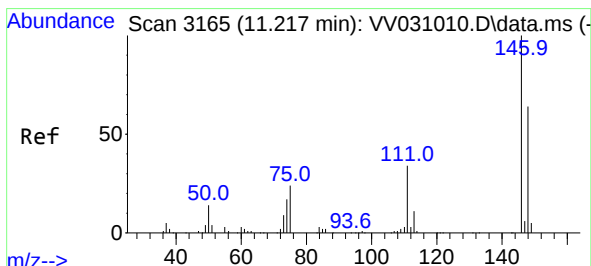
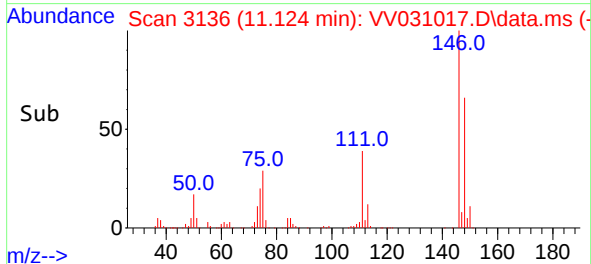
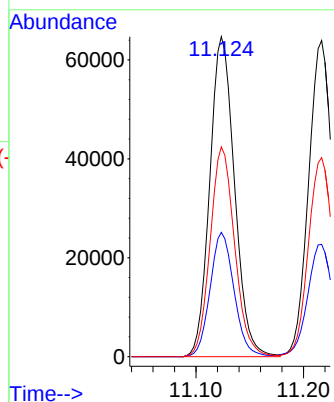
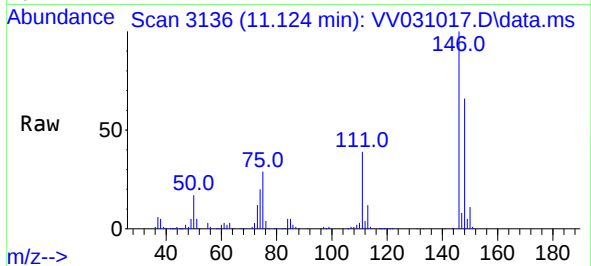




#64
1,3-Dichlorobenzene
Concen: 4.994 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

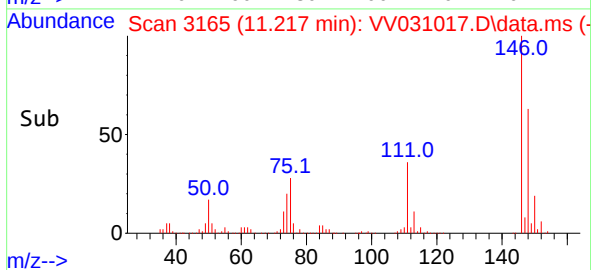
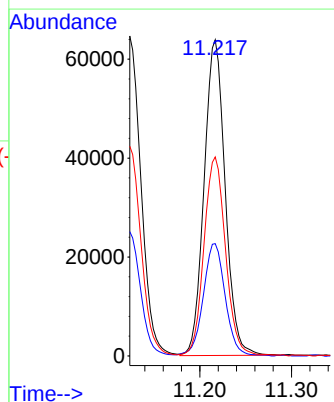
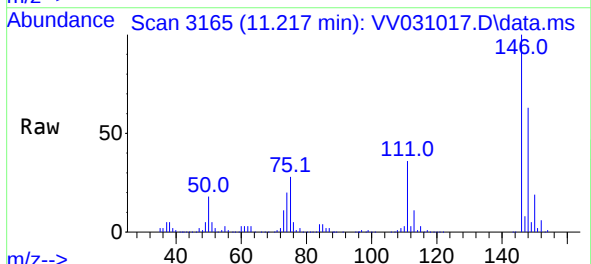
Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

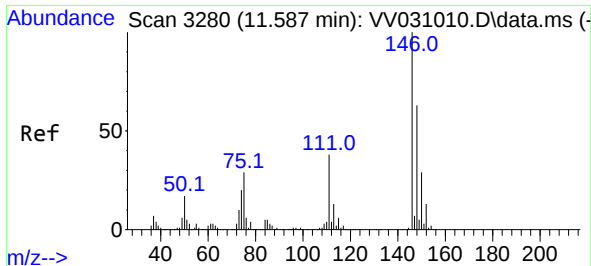
Tgt Ion:146 Resp: 103565
Ion Ratio Lower Upper
146 100
111 38.9 26.5 49.3
148 65.6 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.864 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:146 Resp: 101778
Ion Ratio Lower Upper
146 100
111 35.5 23.9 44.5
148 63.0 42.8 79.6





#67

1,2-Dichlorobenzene

Concen: 4.965 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005348

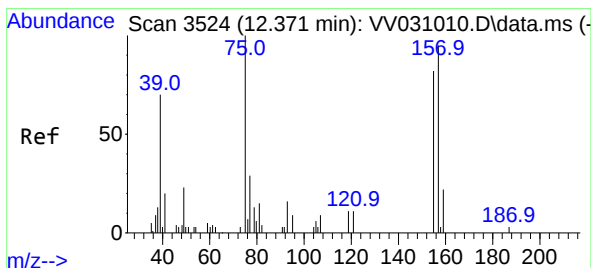
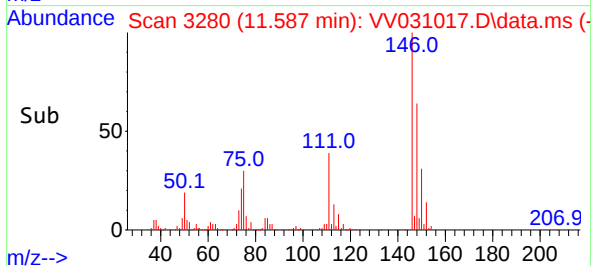
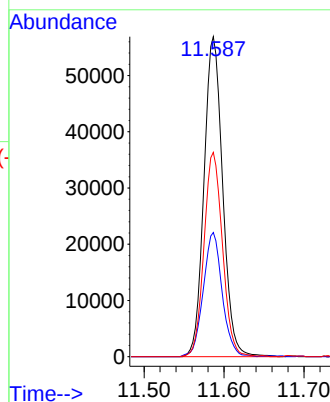
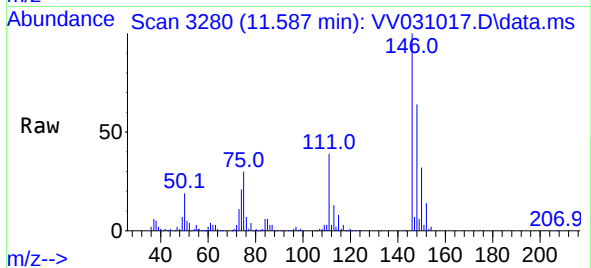
Tgt Ion:146 Resp: 92597

Ion Ratio Lower Upper

146 100

111 38.8 34.0 51.0

148 63.9 53.8 80.6



#68

1,2-Dibromo-3-chloropropane

Concen: 4.792 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

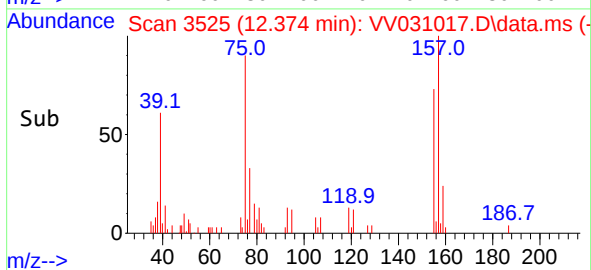
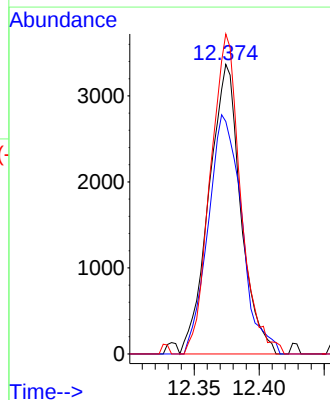
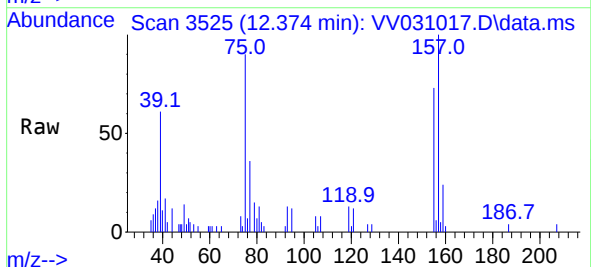
Tgt Ion: 75 Resp: 5723

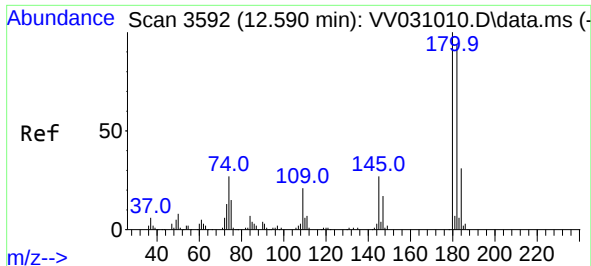
Ion Ratio Lower Upper

75 100

155 80.3 56.2 84.4

157 110.5 83.1 124.7





#69

1,3,5-Trichlorobenzene

Concen: 4.838 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

Instrument :

MSVOA_V

ClientSampleId :

VSTD005348

Tgt Ion:180 Resp: 79448

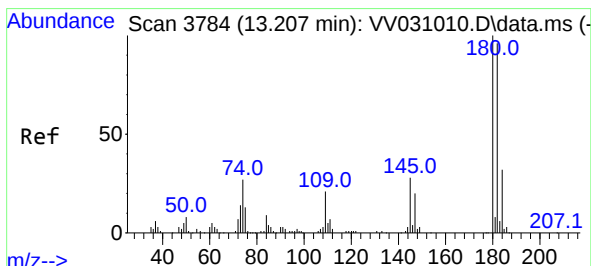
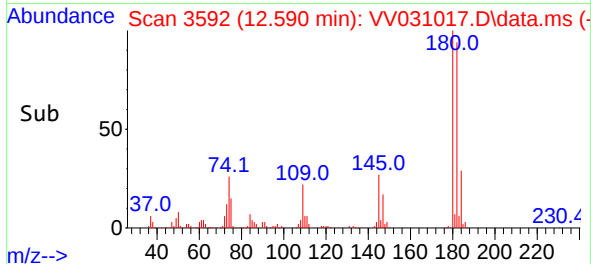
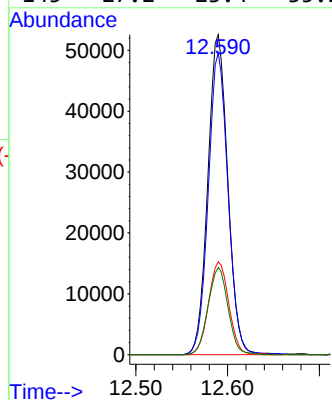
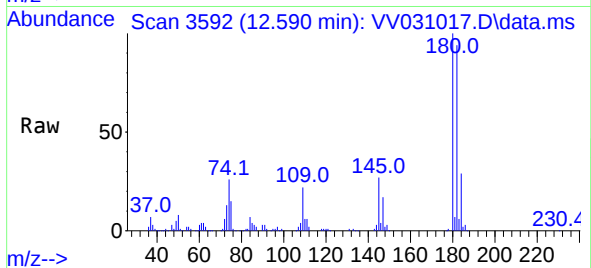
Ion Ratio Lower Upper

180 100

182 93.2 75.1 112.7

184 29.4 24.1 36.1

145 27.2 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 4.439 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV031017.D

Acq: 15 May 2023 09:23

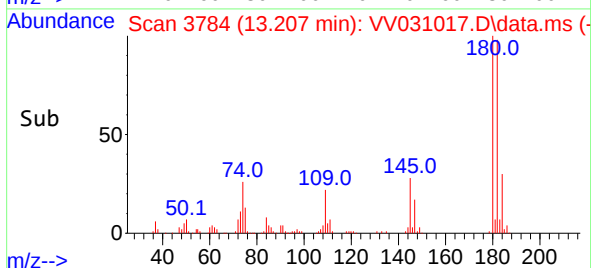
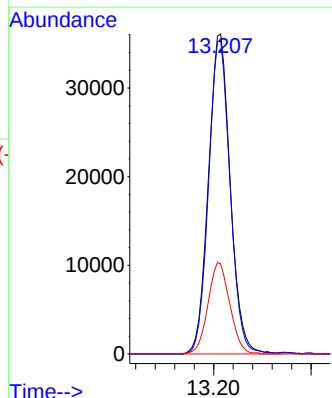
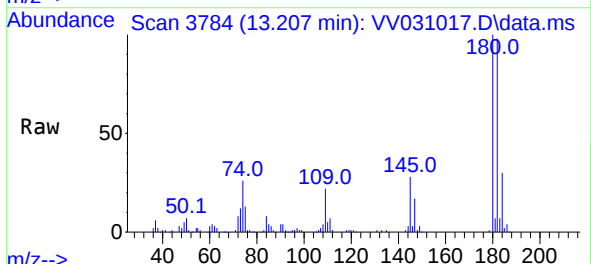
Tgt Ion:180 Resp: 56012

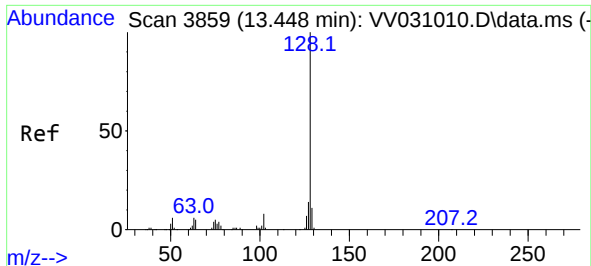
Ion Ratio Lower Upper

180 100

182 96.4 76.0 114.0

145 28.6 22.9 34.3

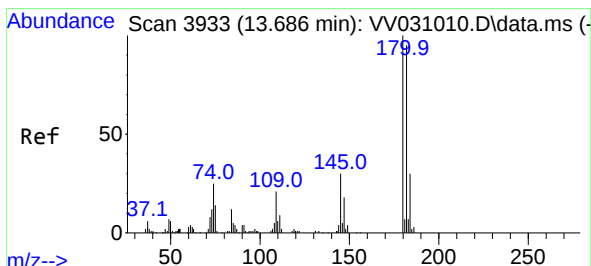
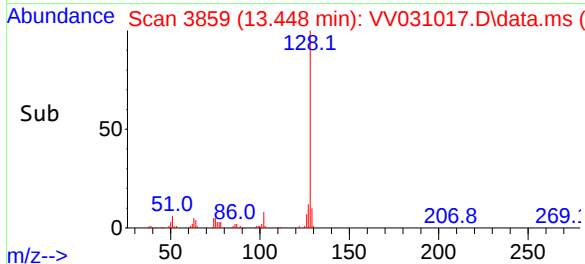
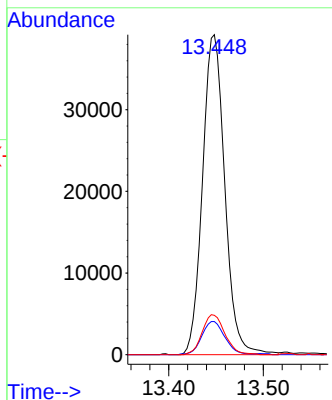
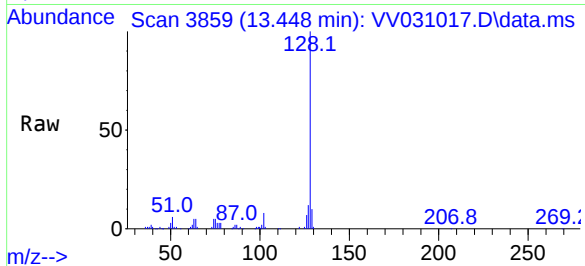




#71
Naphthalene
Concen: 3.546 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Instrument :
MSVOA_V
ClientSampleId :
VSTD005348

Tgt Ion:	128	Resp:	64172
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	12.8	10.6	16.0



#72
1,2,3-Trichlorobenzene
Concen: 4.314 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.003 min
Lab File: VV031017.D
Acq: 15 May 2023 09:23

Tgt Ion:	180	Resp:	46085
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	31.6	24.7	37.1

