

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042723\
 Data File : VW030909.D
 Acq On : 27 Apr 2023 18:25
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050345

Quant Time: Apr 28 00:53:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 27 04:45:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	258803	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	249216	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	153509	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	86925	45.817	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.640%
7) Chloroethane-d5	1.535	69	68129	42.852	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.700%
11) 1,1-Dichloroethene-d2	2.063	65	42942	47.728	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.460%
21) 2-Butanone-d5	3.796	46	113702	109.112	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.110%
24) Chloroform-d	4.259	84	170706	49.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.300%
26) 1,2-Dichloroethane-d4	4.950	65	117756	53.271	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.540%
32) Benzene-d6	4.969	84	306357	51.994	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.980%
36) 1,2-Dichloropropane-d6	5.998	67	87522	47.819	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.640%
41) Toluene-d8	7.249	98	299262	54.095	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.180%
43) trans-1,3-Dichloroprop...	7.558	79	48162	52.209	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.420%
47) 2-Hexanone-d5	8.034	63	75995	105.401	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.400%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	136279	51.314	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.620%
66) 1,2-Dichlorobenzene-d4	11.567	152	130686	53.561	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	97916	44.005	ug/L	100
3) Chloromethane	1.217	50	103143	35.337	ug/L	100
5) Vinyl chloride	1.285	62	92801	39.435	ug/L	100
6) Bromomethane	1.487	94	42579	45.631	ug/L	100
8) Chloroethane	1.552	64	56752	35.161	ug/L	98
9) Trichlorofluoromethane	1.719	101	168278	44.122	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	85793	42.803	ug/L	100
12) 1,1-Dichloroethene	2.076	96	76857	42.411	ug/L	96
13) Acetone	2.117	43	103767	64.352	ug/L	100
14) Carbon disulfide	2.246	76	166446	32.518	ug/L	100
15) Methyl Acetate	2.378	43	95185	44.234	ug/L	100
16) Methylene chloride	2.455	84	81588	39.343	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	73110	39.963	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	282450	48.202	ug/L	98
19) 1,1-Dichloroethane	3.121	63	153596	41.179	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	87393	43.915	ug/L	96
22) 2-Butanone	3.876	43	131326	78.809	ug/L	98
23) Bromochloromethane	4.156	128	48555	43.685	ug/L	92
25) Chloroform	4.288	83	169369	43.871	ug/L	100

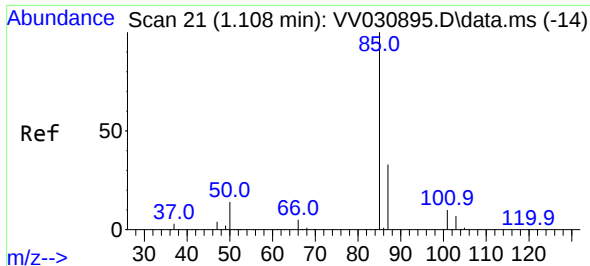
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042723\
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 Quant Title : VOC Analysis
 QLast Update : Thu Apr 27 04:45:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	152294	46.602	ug/L	99
29) Cyclohexane	4.593	56	115024	38.460	ug/L	97
30) 1,1,1-Trichloroethane	4.522	97	160245	45.760	ug/L	99
31) Carbon tetrachloride	4.748	117	141102	45.067	ug/L	99
33) Benzene	5.018	78	326891	43.194	ug/L	100
34) Trichloroethene	5.841	95	84954	43.157	ug/L	97
35) Methylcyclohexane	6.059	83	122447	39.698	ug/L	96
37) 1,2-Dichloropropane	6.101	63	84539	41.503	ug/L	98
38) Bromodichloromethane	6.439	83	128000	44.733	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	130451	42.670	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	270846	95.188	ug/L	99
42) Toluene	7.323	91	361042	44.540	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	139214	46.349	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	91475	44.785	ug/L	97
46) Tetrachloroethene	7.911	164	75943	44.075	ug/L	96
48) 2-Hexanone	8.082	43	211763	90.197	ug/L	99
49) Dibromochloromethane	8.185	129	101904	45.231	ug/L	94
50) 1,2-Dibromoethane	8.291	107	93885	44.362	ug/L #	99
51) Chlorobenzene	8.821	112	242825	45.232	ug/L	99
52) Ethylbenzene	8.953	91	408461	45.517	ug/L	100
53) m,p-Xylene	9.082	106	157717	46.529	ug/L	96
54) o-Xylene	9.487	106	155320	46.839	ug/L	99
55) Styrene	9.503	104	279985	48.067	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	148522	44.289	ug/L	99
59) Bromoform	9.673	173	83876	43.641	ug/L	99
60) Isopropylbenzene	9.876	105	429129	44.824	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	118645	43.153	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	354806	45.012	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	352949	44.846	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	224031	46.740	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	231095	45.722	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	221824	45.875	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	35482	43.559	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	172110	47.534	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	153398	49.898	ug/L	99
71) Naphthalene	13.448	128	454354	54.028	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	156941	51.483	ug/L	99

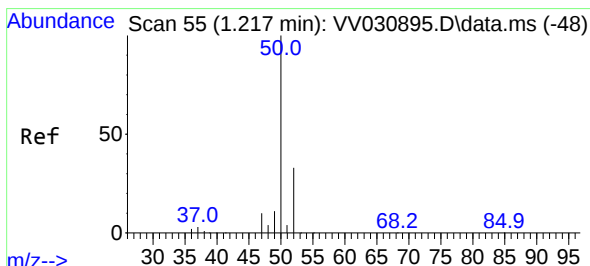
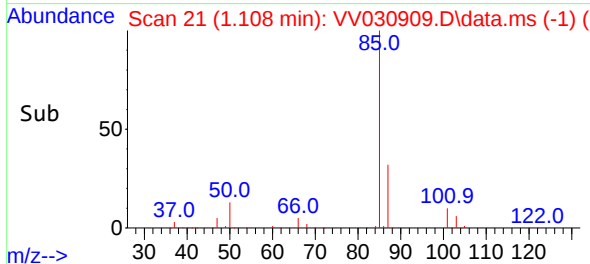
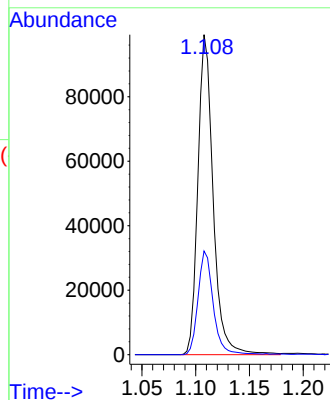
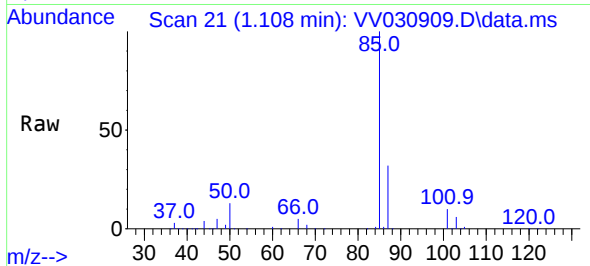
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#2
 Dichlorodifluoromethane
 Concen: 44.005 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030909.D
 Acq: 27 Apr 2023 18:25

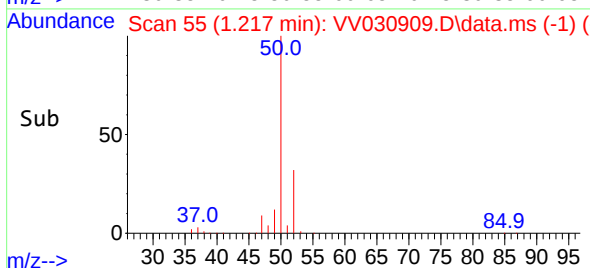
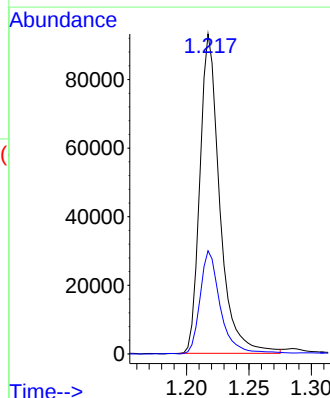
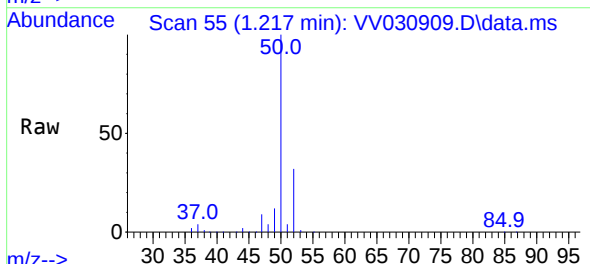
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050345

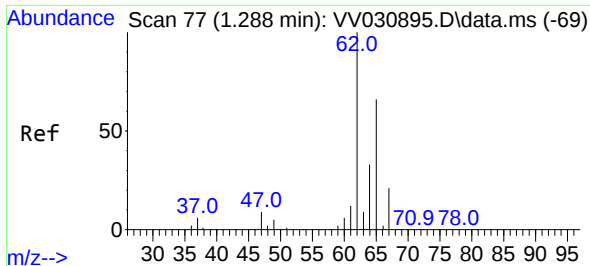
Tgt Ion: 85 Resp: 97916
 Ion Ratio Lower Upper
 85 100
 87 32.2 25.6 38.4



#3
 Chloromethane
 Concen: 35.337 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030909.D
 Acq: 27 Apr 2023 18:25

Tgt Ion: 50 Resp: 103143
 Ion Ratio Lower Upper
 50 100
 52 32.3 22.5 41.9

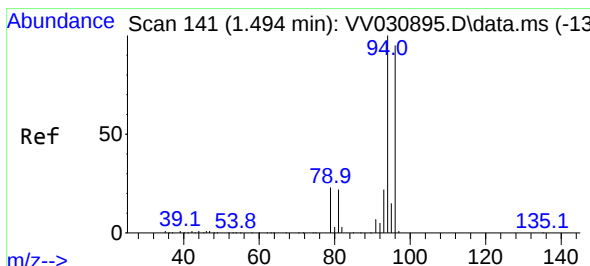
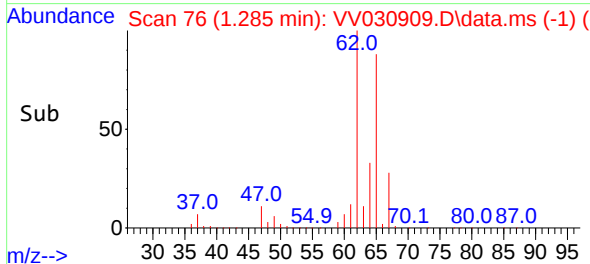
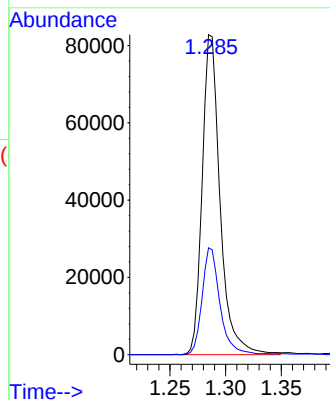
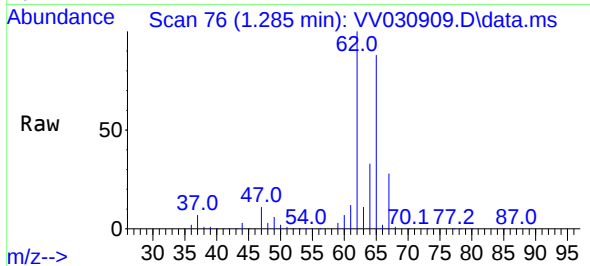




#5
Vinyl chloride
Concen: 39.435 ug/L
RT: 1.285 min Scan# 70
Delta R.T. 0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

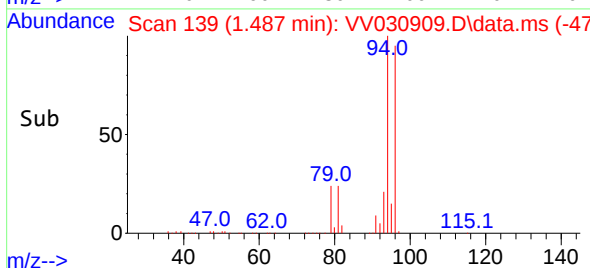
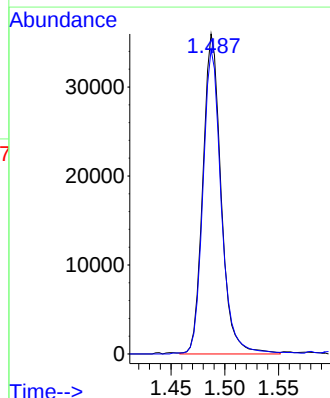
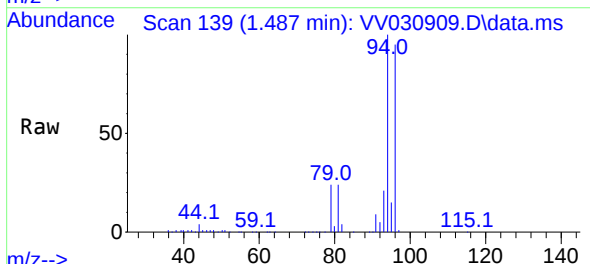
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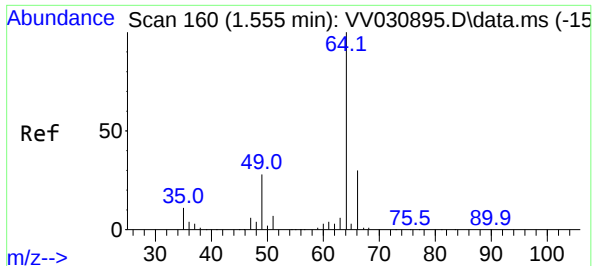
Tgt Ion: 62 Resp: 92801
Ion Ratio Lower Upper
62 100
64 33.4 23.4 43.4



#6
Bromomethane
Concen: 45.631 ug/L
RT: 1.487 min Scan# 139
Delta R.T. -0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 94 Resp: 42579
Ion Ratio Lower Upper
94 100
96 95.2 66.3 123.1

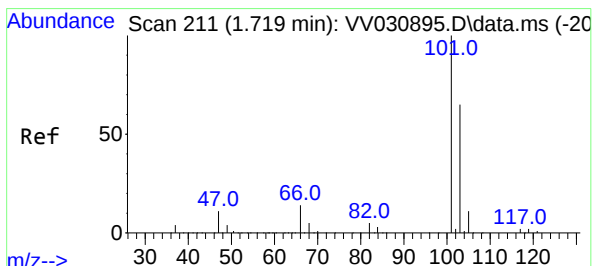
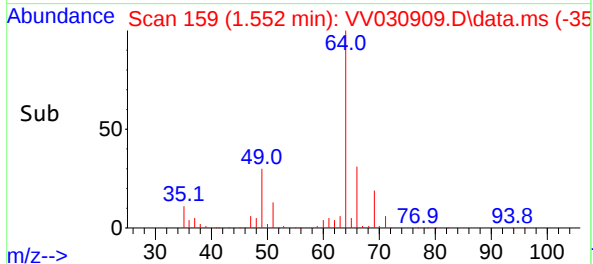
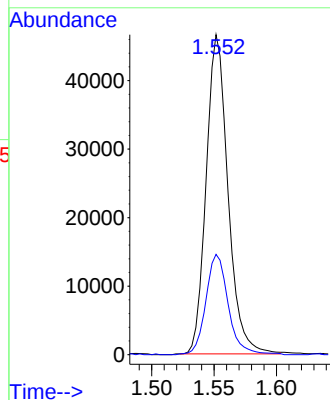
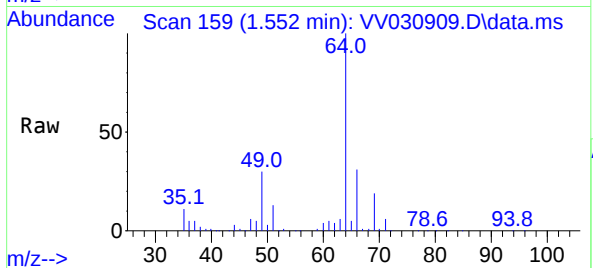




#8
Chloroethane
Concen: 35.161 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

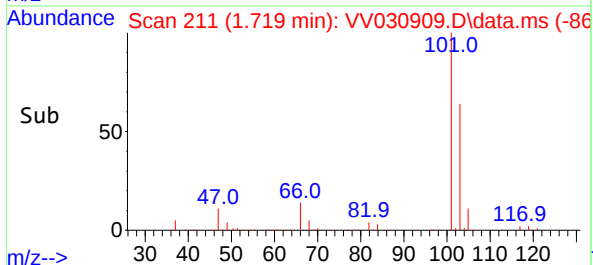
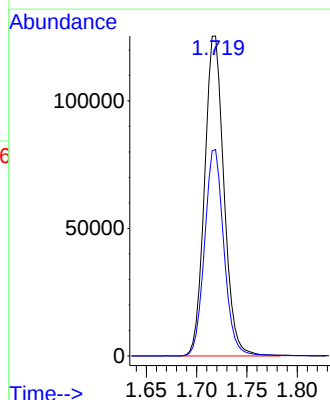
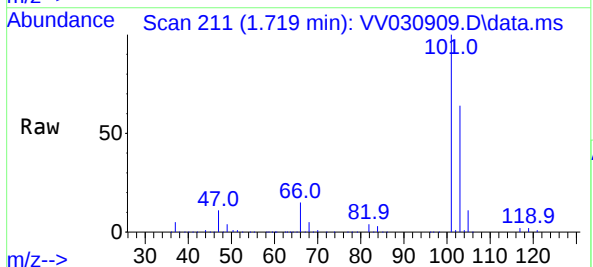
Instrument :
MSVOA_V
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VSTD050345

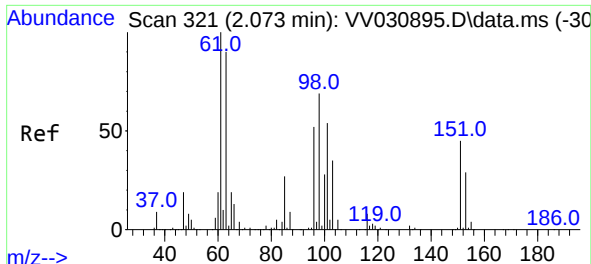
Tgt Ion: 64 Resp: 56752
Ion Ratio Lower Upper
64 100
66 31.4 22.7 42.3



#9
Trichlorofluoromethane
Concen: 44.122 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion:101 Resp: 168278
Ion Ratio Lower Upper
101 100
103 64.5 51.4 77.0

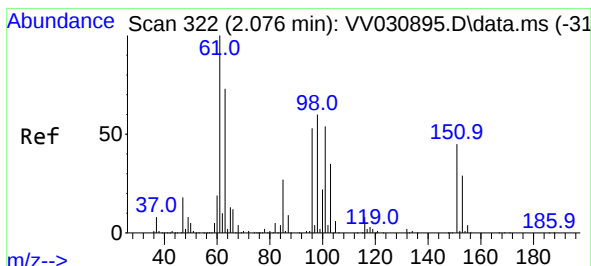
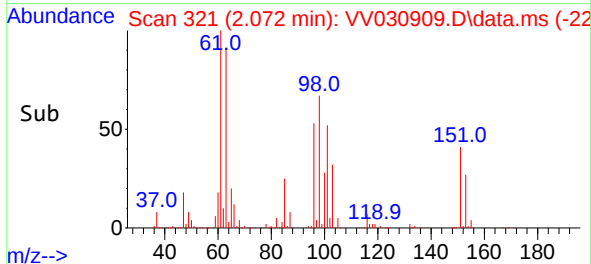
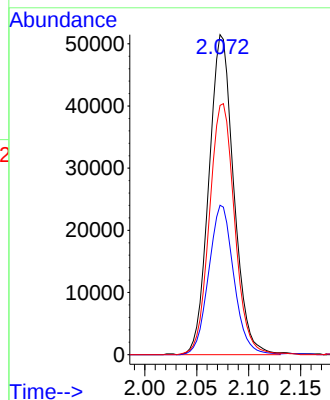
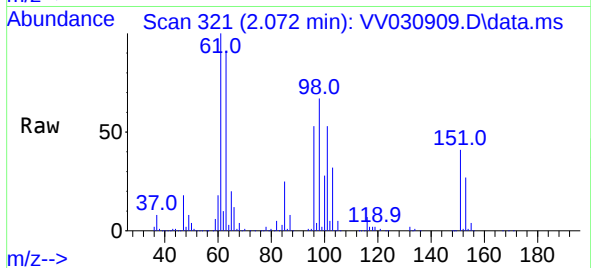




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 42.803 ug/L
RT: 2.072 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

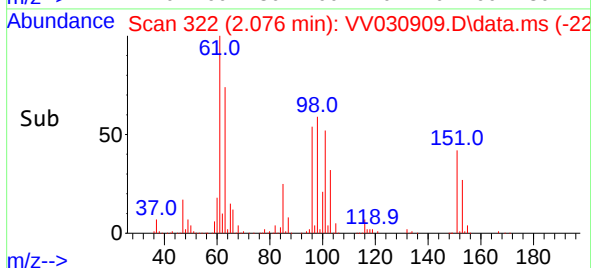
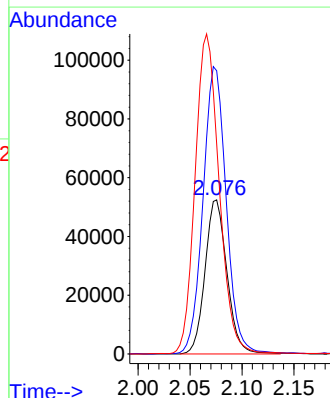
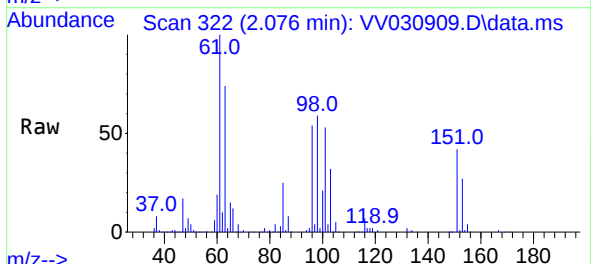
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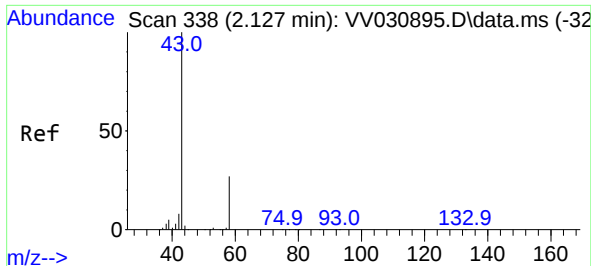
Tgt Ion:101 Resp: 85793
Ion Ratio Lower Upper
101 100
85 47.1 37.5 56.3
151 79.8 63.5 95.3



#12
1,1-Dichloroethene
Concen: 42.411 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 96 Resp: 76857
Ion Ratio Lower Upper
96 100
61 183.8 131.9 245.0
63 136.3 99.8 185.3





#13

Acetone

Concen: 64.352 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Instrument :

MSVOA_V

ClientSampleId :

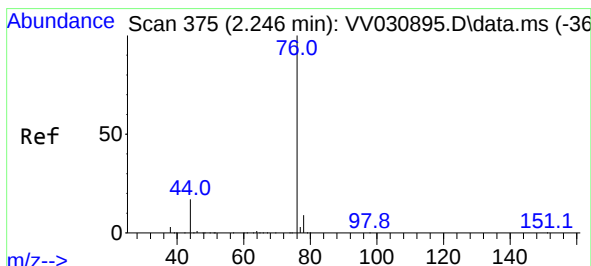
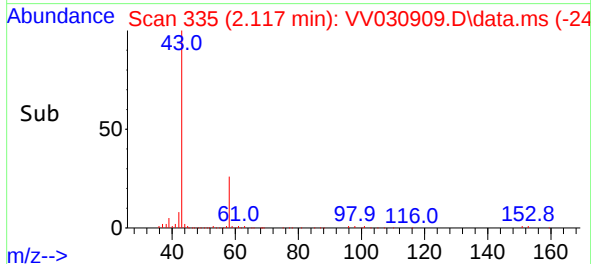
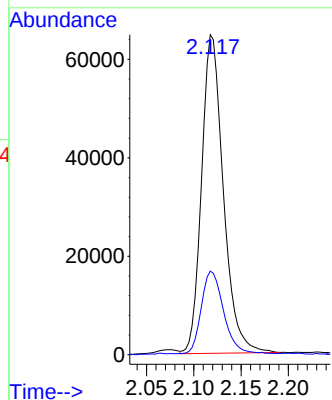
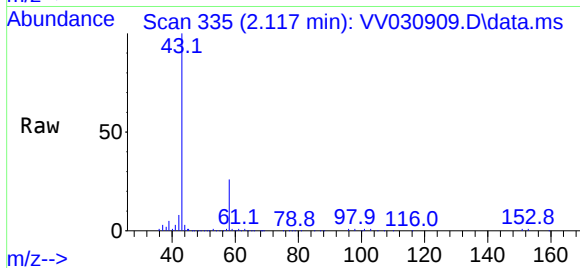
VSTD050345

Tgt Ion: 43 Resp: 103767

Ion Ratio Lower Upper

43 100

58 26.3 0.0 52.8



#14

Carbon disulfide

Concen: 32.518 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030909.D

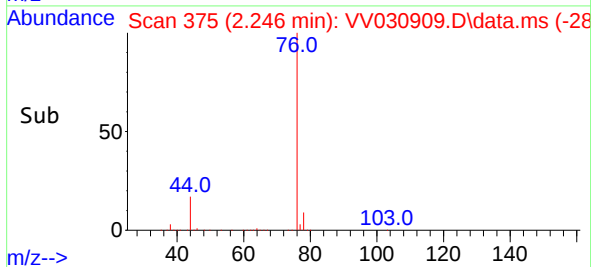
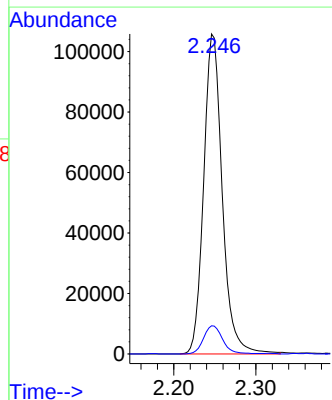
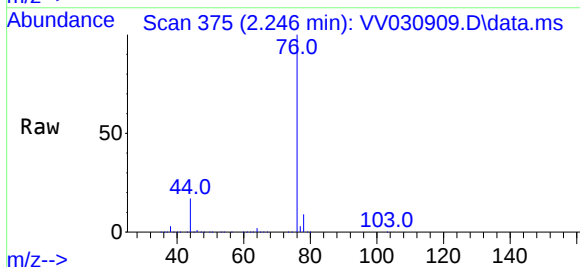
Acq: 27 Apr 2023 18:25

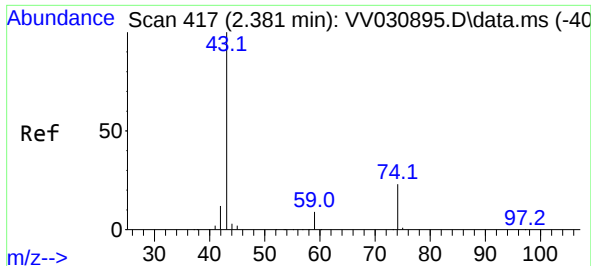
Tgt Ion: 76 Resp: 166446

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4

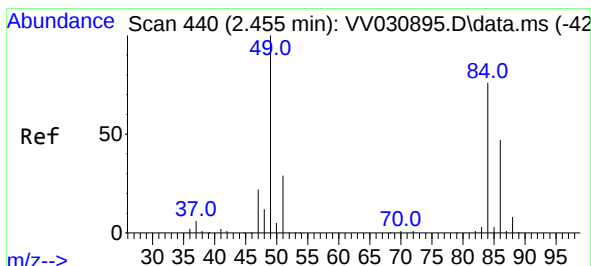
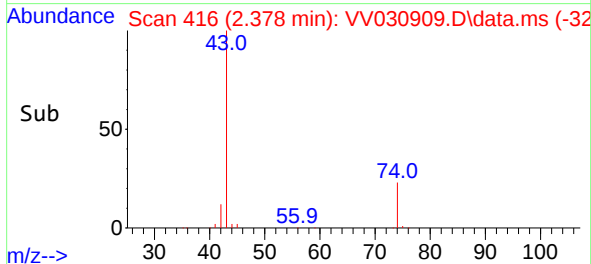
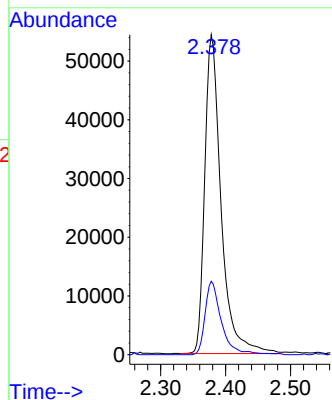
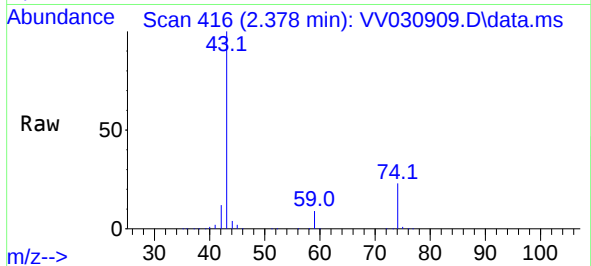




#15
Methyl Acetate
Concen: 44.234 ug/L
RT: 2.378 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

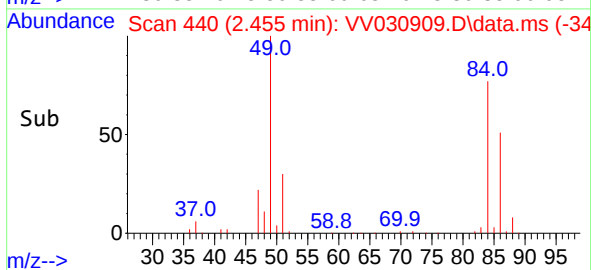
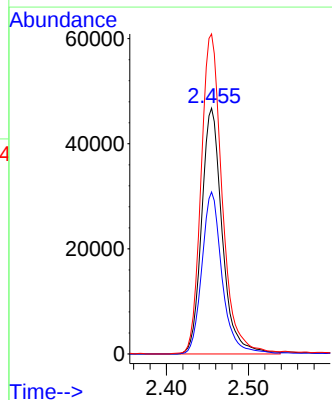
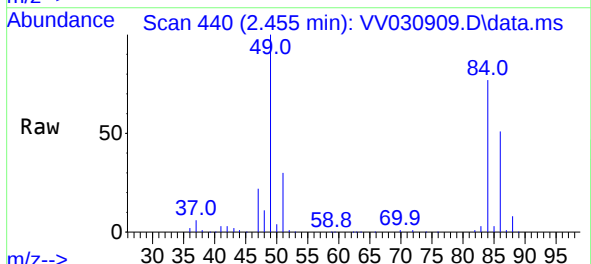
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

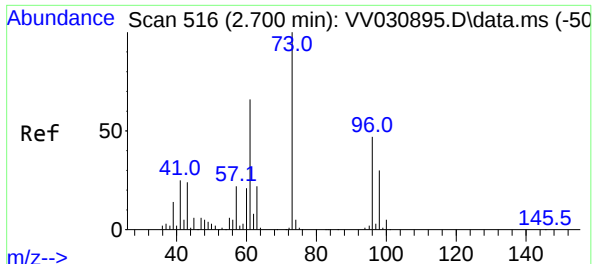
Tgt Ion: 43 Resp: 95185
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5



#16
Methylene chloride
Concen: 39.343 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 84 Resp: 81588
Ion Ratio Lower Upper
84 100
86 65.9 45.4 84.2
49 130.2 90.4 168.0





#17

trans-1,2-Dichloroethene

Concen: 39.963 ug/L

RT: 2.699 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050345

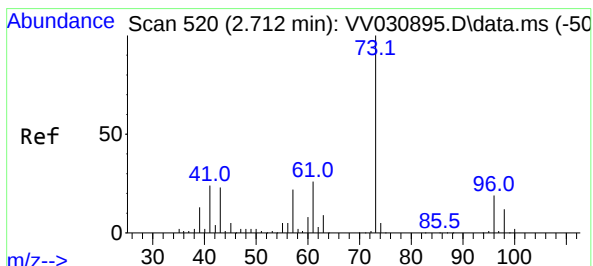
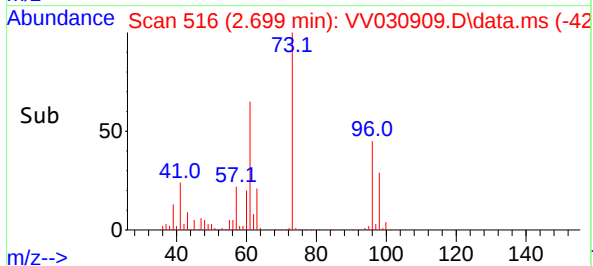
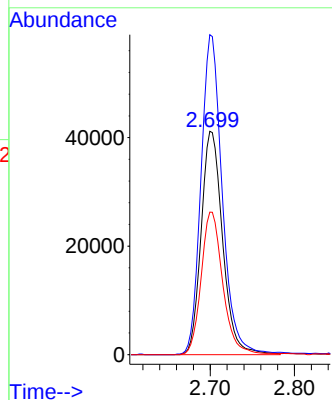
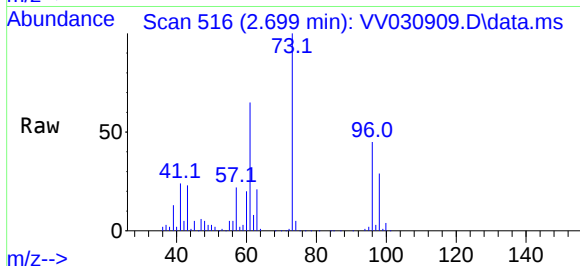
Tgt Ion: 96 Resp: 73110

Ion Ratio Lower Upper

96 100

61 143.3 101.0 187.6

98 63.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 48.202 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

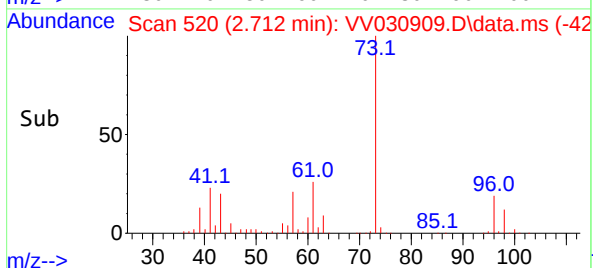
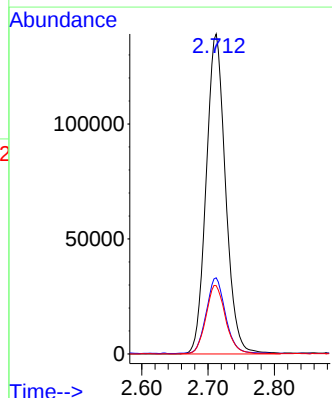
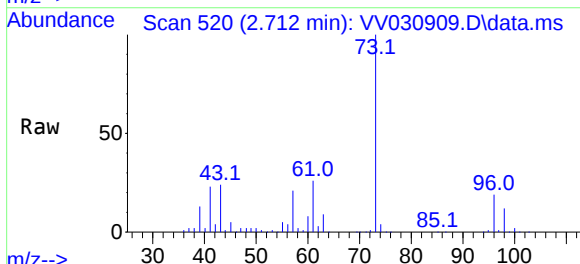
Tgt Ion: 73 Resp: 282450

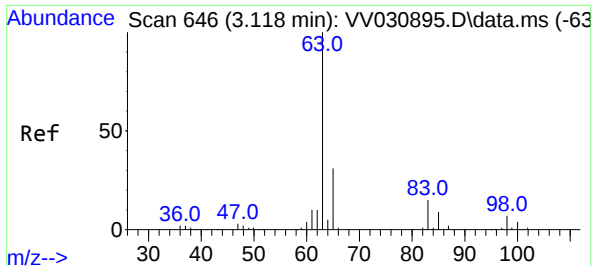
Ion Ratio Lower Upper

73 100

43 23.1 17.6 26.4

57 21.9 18.2 27.2

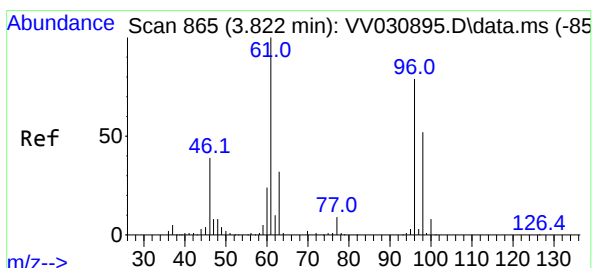
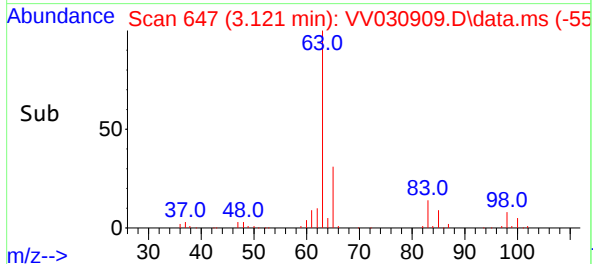
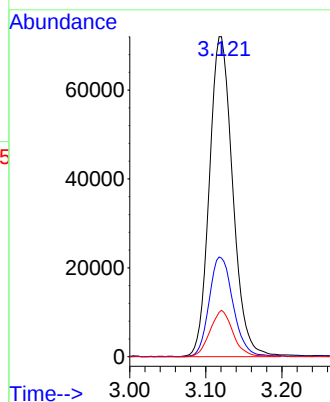
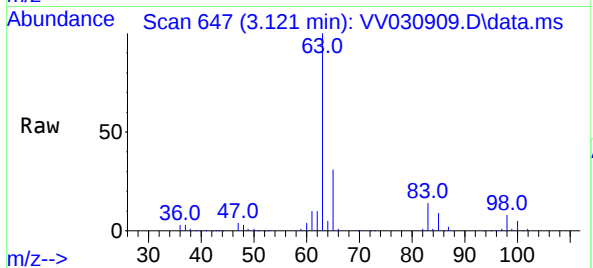




#19
1,1-Dichloroethane
Concen: 41.179 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

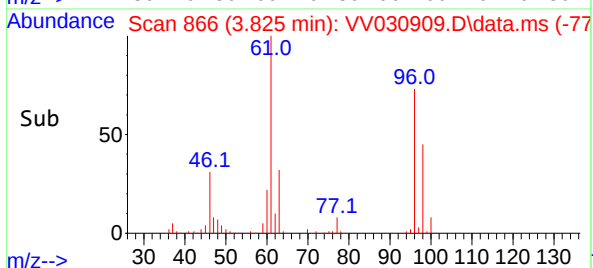
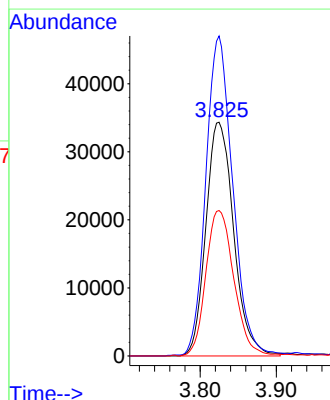
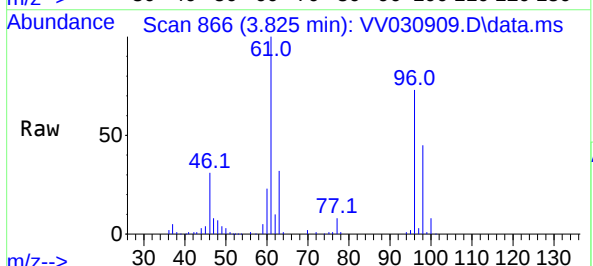
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

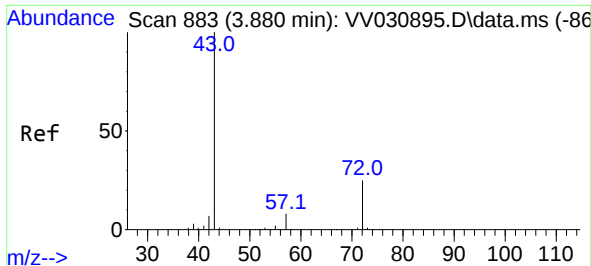
Tgt Ion: 63 Resp: 153596
Ion Ratio Lower Upper
63 100
65 30.8 21.8 40.6
83 14.5 10.2 19.0



#20
cis-1,2-Dichloroethene
Concen: 43.915 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 96 Resp: 87393
Ion Ratio Lower Upper
96 100
61 136.9 92.3 171.3
98 62.2 45.9 85.3

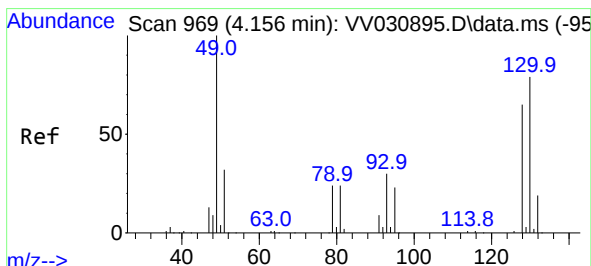
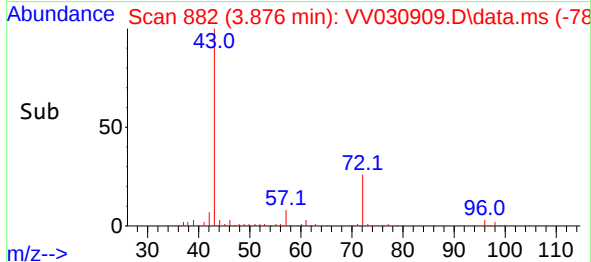
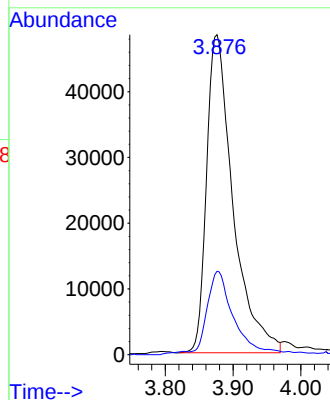
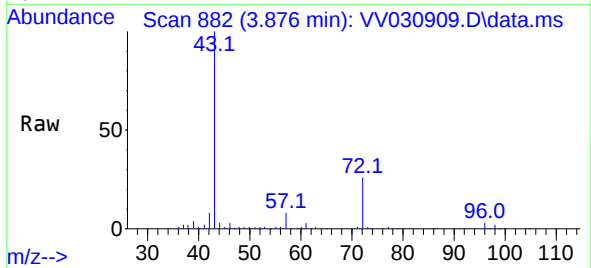




#22
2-Butanone
Concen: 78.809 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

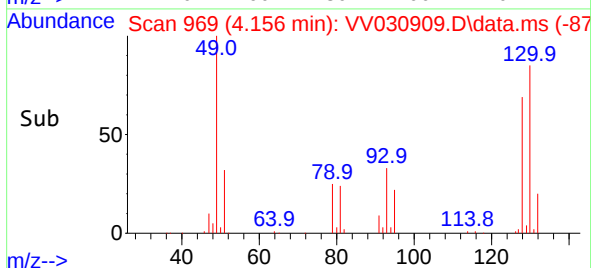
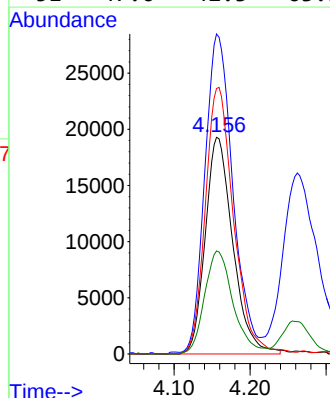
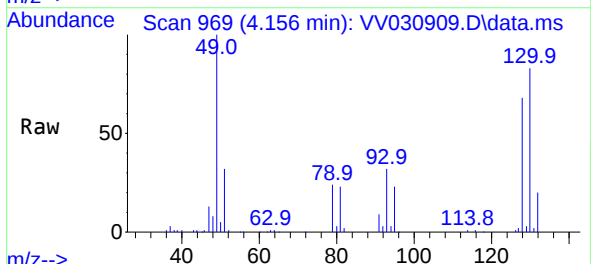
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

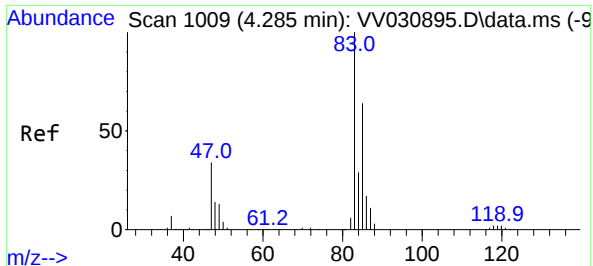
Tgt Ion: 43 Resp: 131326
Ion Ratio Lower Upper
43 100
72 23.6 11.5 34.4



#23
Bromochloromethane
Concen: 43.685 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion:128 Resp: 48555
Ion Ratio Lower Upper
128 100
49 147.7 114.7 213.1
130 122.5 89.0 165.2
51 47.6 42.3 63.5

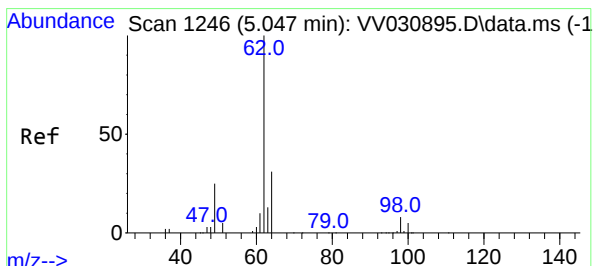
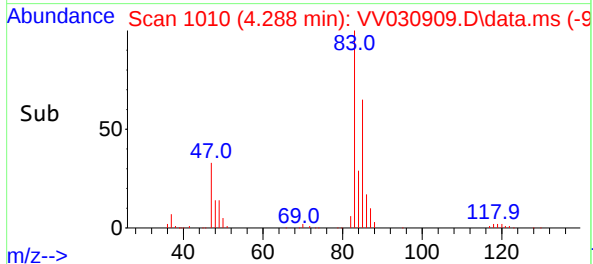
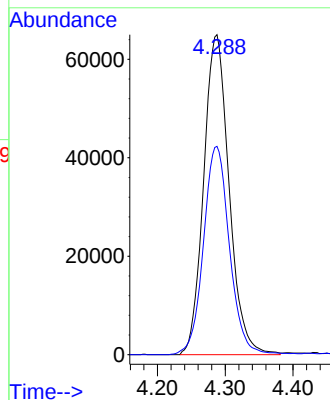
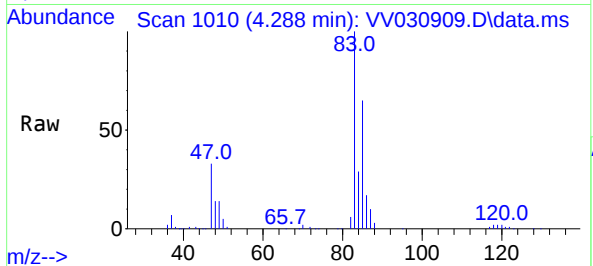




#25
Chloroform
Concen: 43.871 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

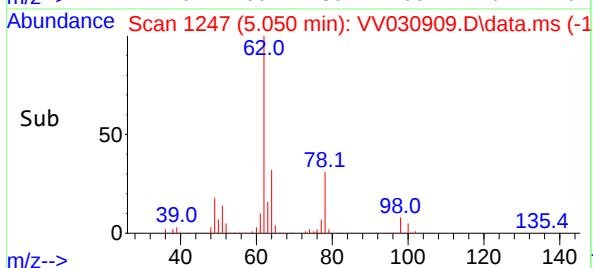
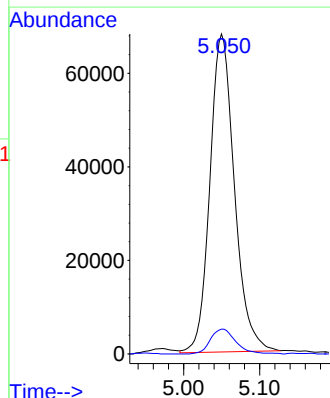
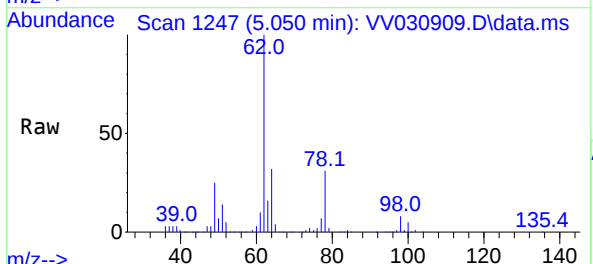
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

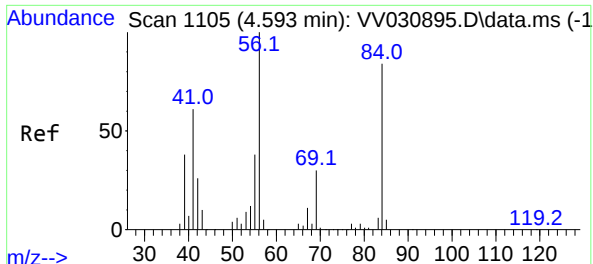
Tgt Ion: 83 Resp: 169369
Ion Ratio Lower Upper
83 100
85 65.1 45.8 85.2



#27
1,2-Dichloroethane
Concen: 46.602 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 62 Resp: 152294
Ion Ratio Lower Upper
62 100
98 7.7 6.4 9.6





#29

Cyclohexane

Concen: 38.460 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050345

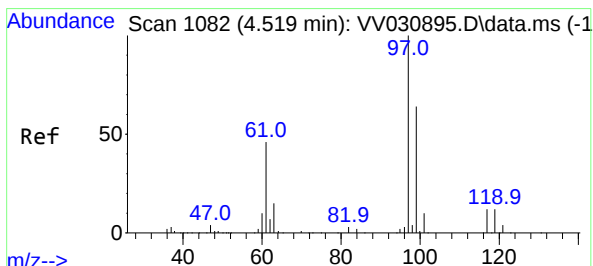
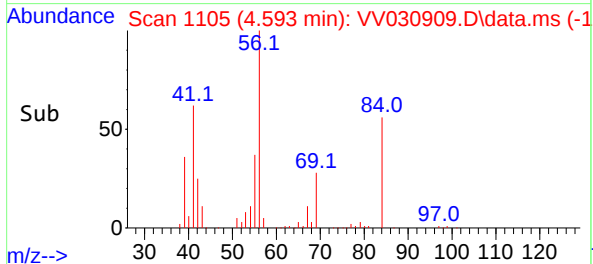
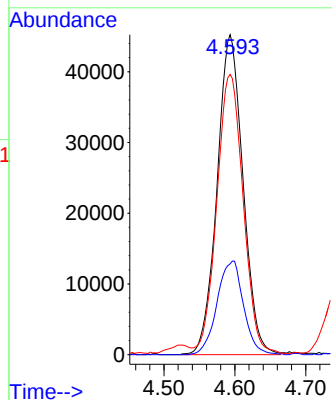
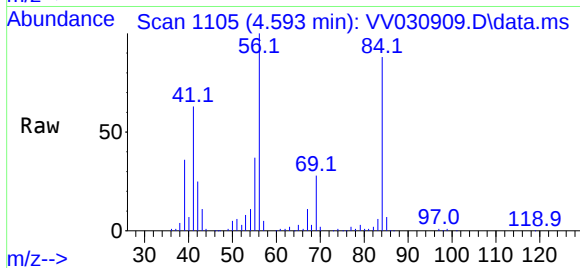
Tgt Ion: 56 Resp: 115024

Ion Ratio Lower Upper

56 100

69 29.9 24.0 36.0

84 88.5 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 45.760 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

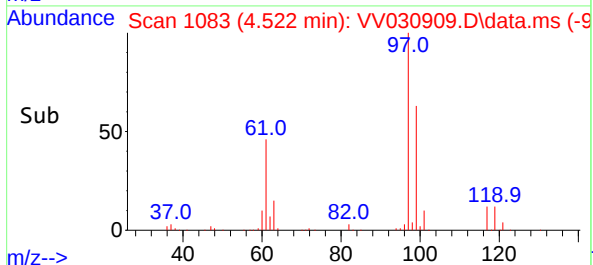
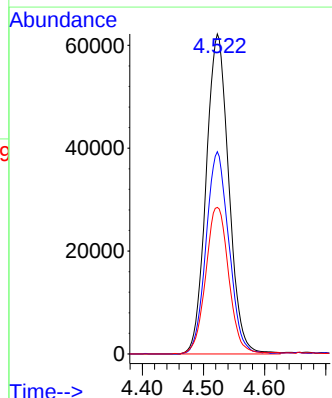
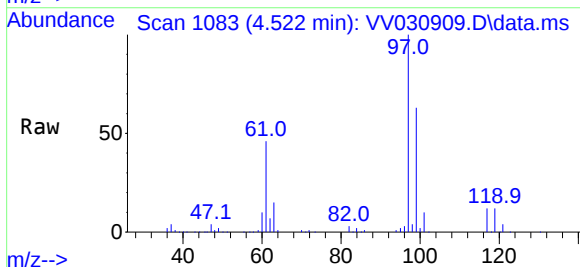
Tgt Ion: 97 Resp: 160245

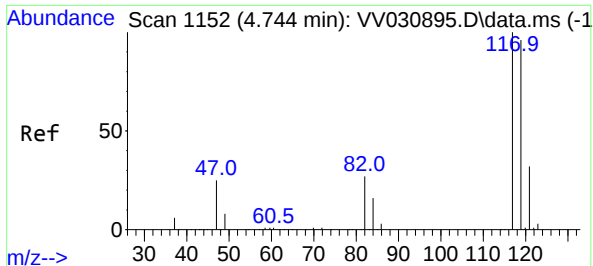
Ion Ratio Lower Upper

97 100

99 63.6 51.4 77.0

61 46.6 37.0 55.6

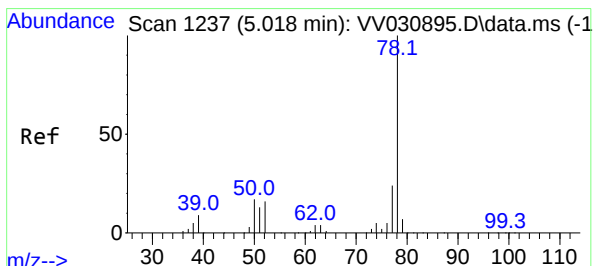
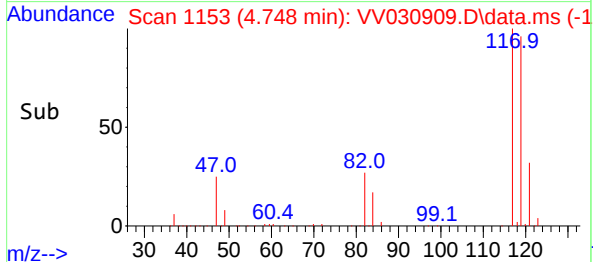
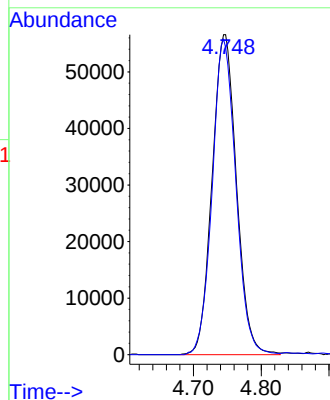
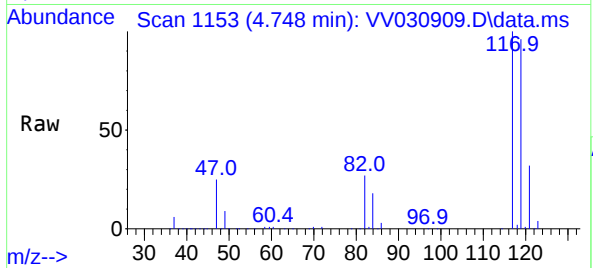




#31
Carbon tetrachloride
Concen: 45.067 ug/L
RT: 4.748 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

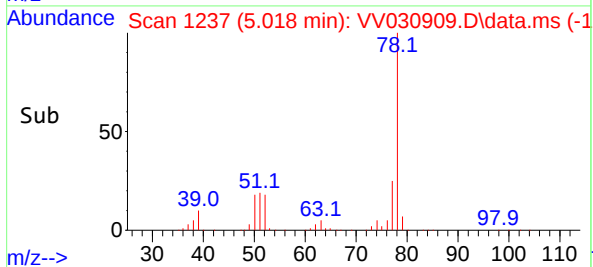
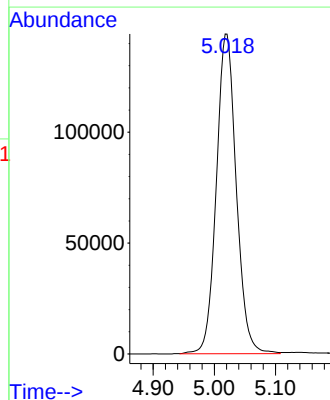
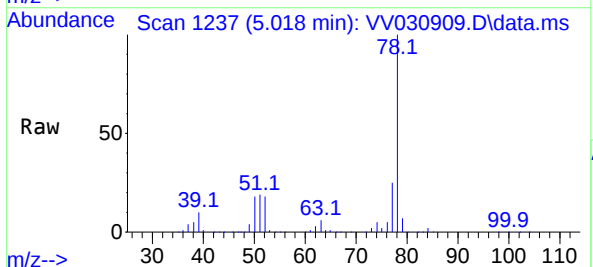
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

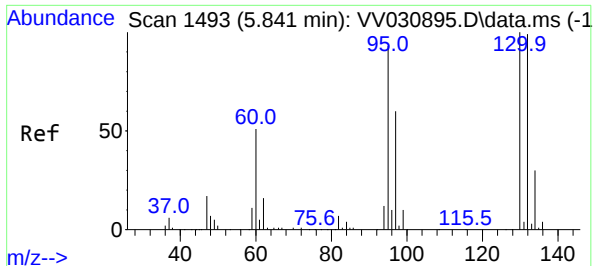
Tgt Ion:117 Resp: 141102
Ion Ratio Lower Upper
117 100
119 95.7 75.9 113.9



#33
Benzene
Concen: 43.194 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 78 Resp: 326891



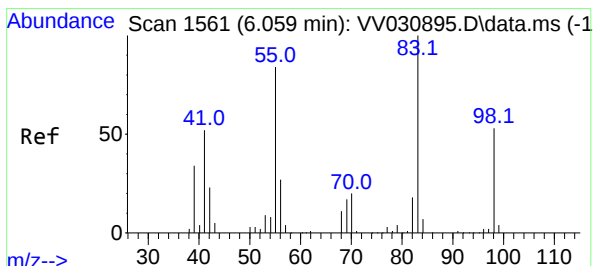
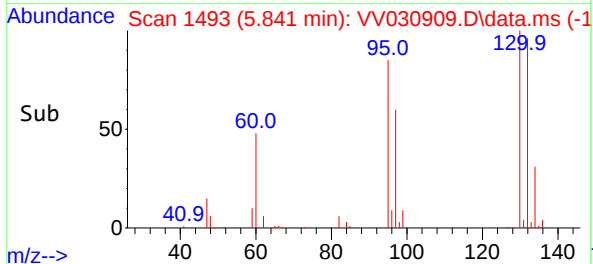
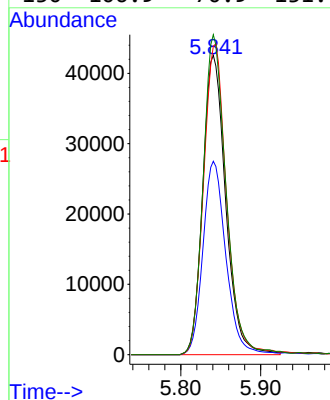
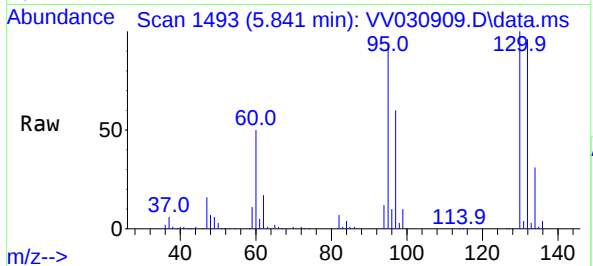


#34
 Trichloroethene
 Concen: 43.157 ug/L
 RT: 5.841 min Scan# 1493
 Delta R.T. 0.003 min
 Lab File: VV030909.D
 Acq: 27 Apr 2023 18:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050345

Tgt Ion: 95 Resp: 84954

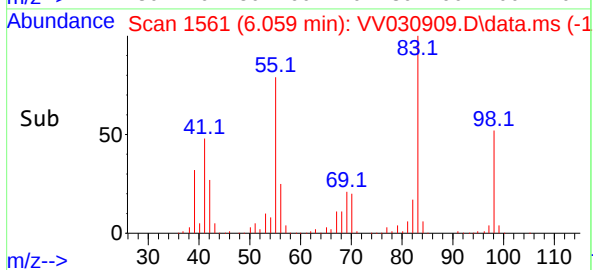
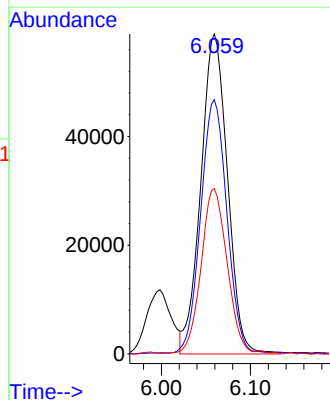
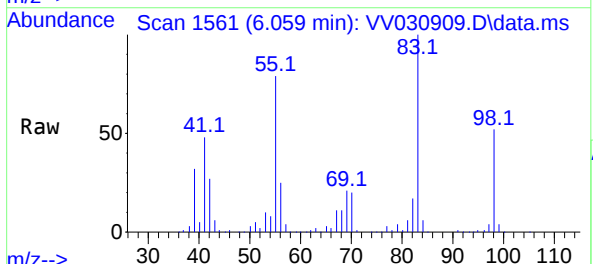
Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.8	85.2
132	103.1	70.6	131.2
130	106.9	70.9	131.7

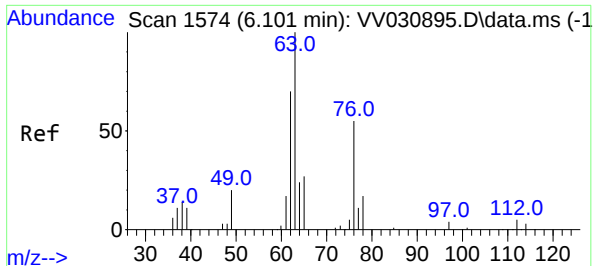


#35
 Methylcyclohexane
 Concen: 39.698 ug/L
 RT: 6.059 min Scan# 1561
 Delta R.T. 0.003 min
 Lab File: VV030909.D
 Acq: 27 Apr 2023 18:25

Tgt Ion: 83 Resp: 122447

Ion	Ratio	Lower	Upper
83	100		
55	77.9	65.5	98.3
98	50.3	38.7	58.1

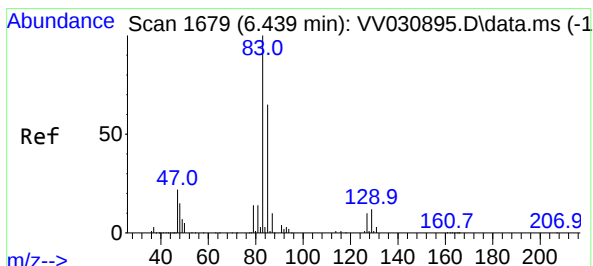
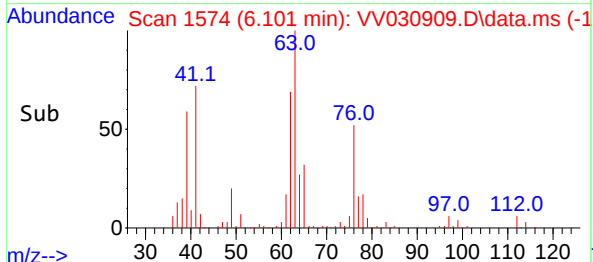
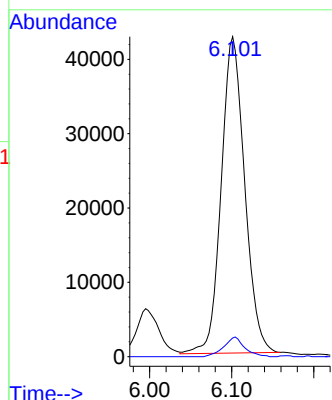
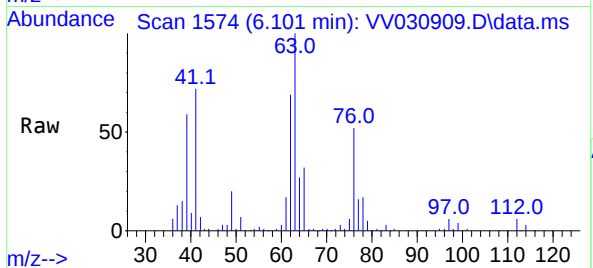




#37
1,2-Dichloropropane
Concen: 41.503 ug/L
RT: 6.101 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

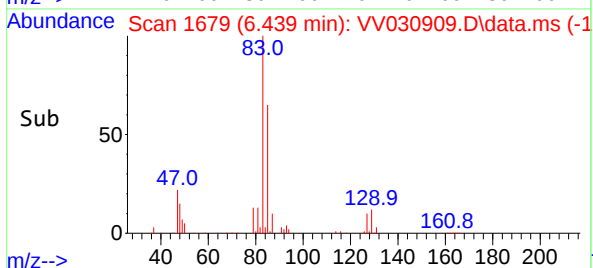
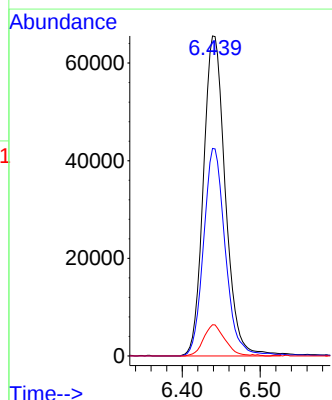
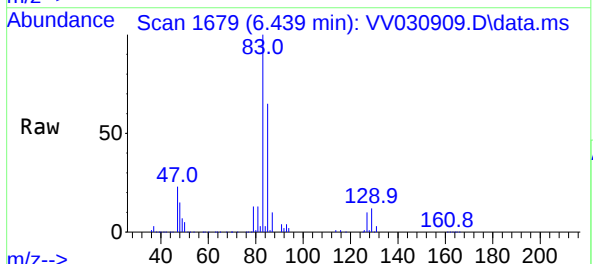
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

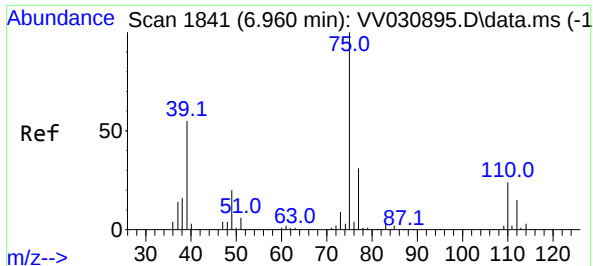
Tgt Ion: 63 Resp: 84539
Ion Ratio Lower Upper
63 100
112 5.5 3.8 5.8



#38
Bromodichloromethane
Concen: 44.733 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 83 Resp: 128000
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4
127 9.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 42.670 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Instrument :

MSVOA_V

ClientSampleId :

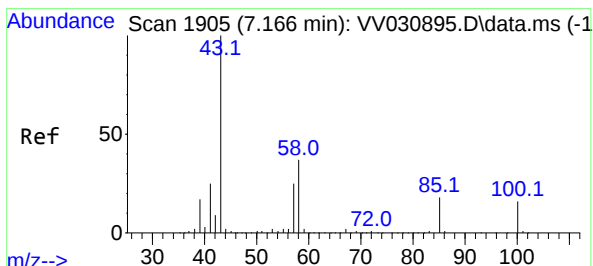
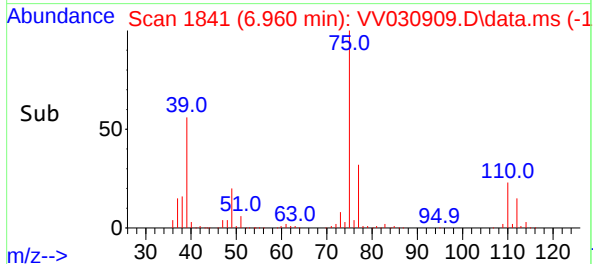
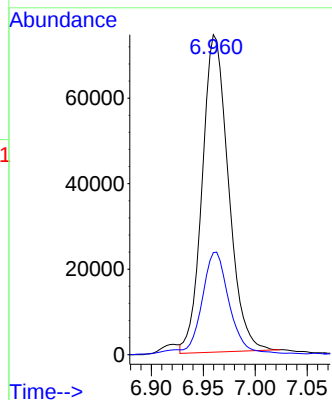
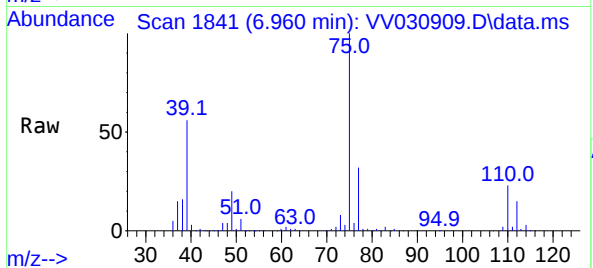
VSTD050345

Tgt Ion: 75 Resp: 130451

Ion Ratio Lower Upper

75 100

77 31.9 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 95.188 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

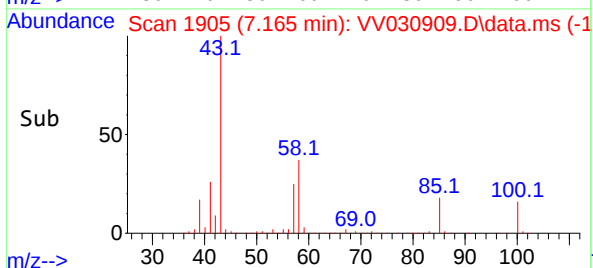
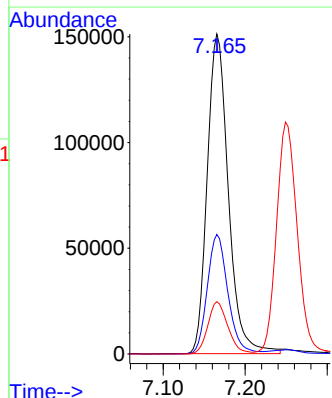
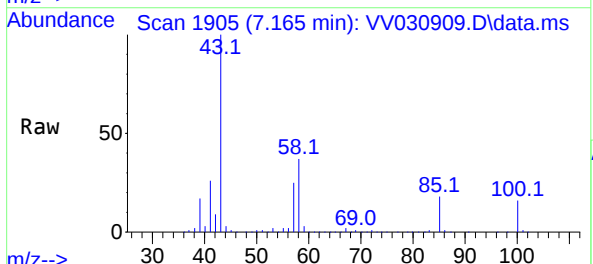
Tgt Ion: 43 Resp: 270846

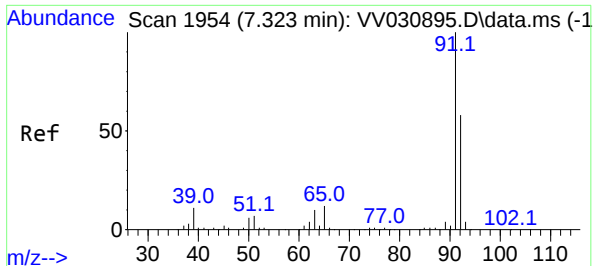
Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8

100 15.5 11.3 16.9





#42

Toluene

Concen: 44.540 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Instrument :

MSVOA_V

ClientSampleId :

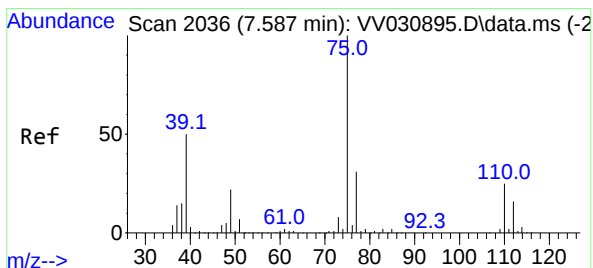
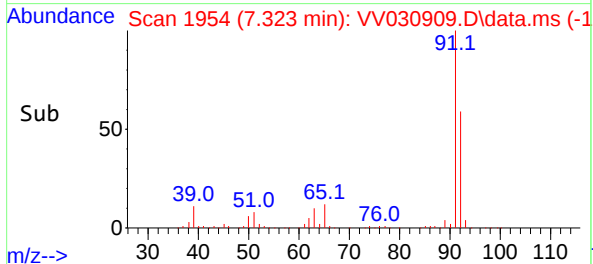
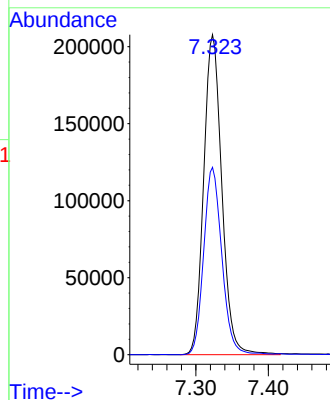
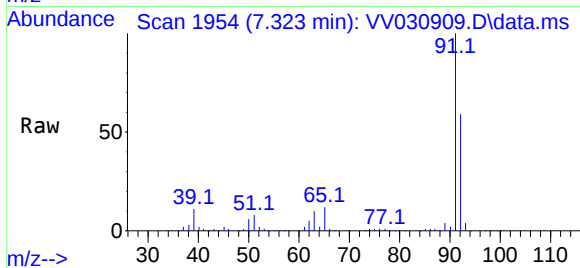
VSTD050345

Tgt Ion: 91 Resp: 361042

Ion Ratio Lower Upper

91 100

92 58.5 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 46.349 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV030909.D

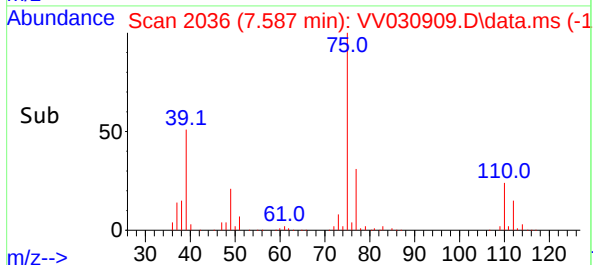
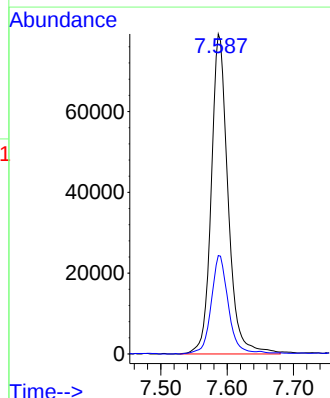
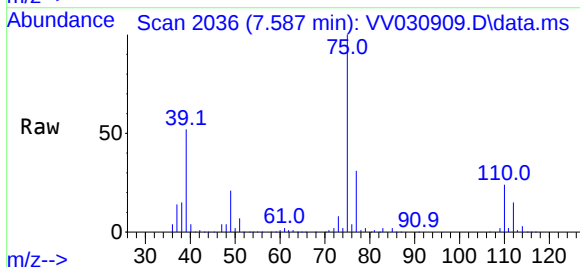
Acq: 27 Apr 2023 18:25

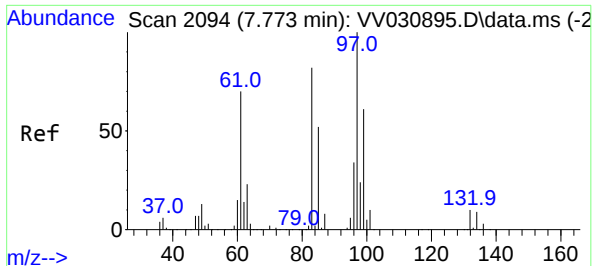
Tgt Ion: 75 Resp: 139214

Ion Ratio Lower Upper

75 100

77 30.8 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 44.785 ug/L

RT: 7.776 min Scan# 2094

Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050345

Tgt Ion: 97 Resp: 91475

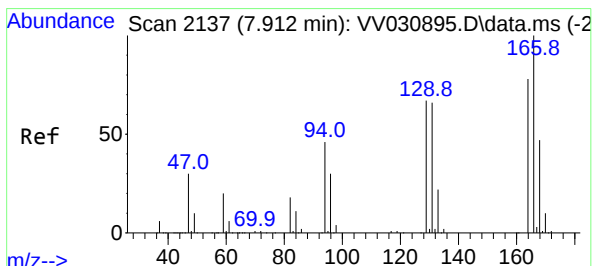
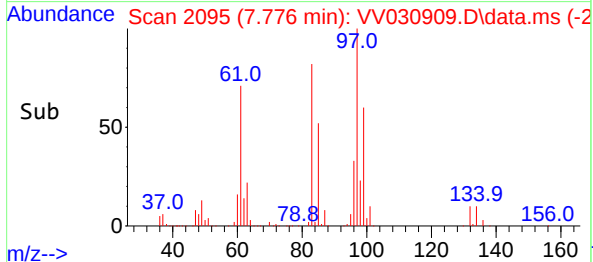
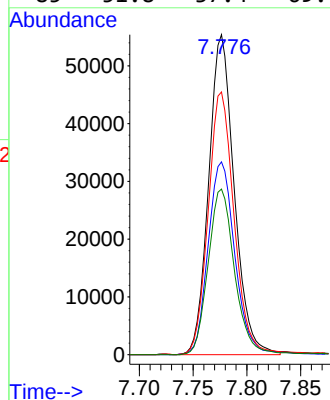
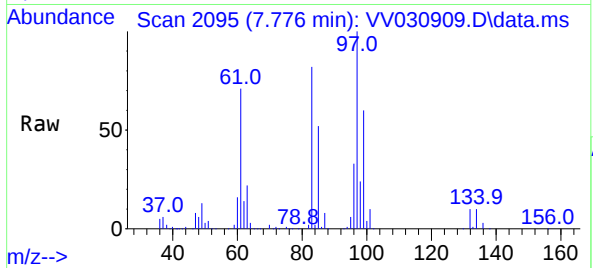
Ion Ratio Lower Upper

97 100

99 60.3 43.8 81.4

83 82.1 59.6 110.6

85 51.8 37.4 69.4



#46

Tetrachloroethene

Concen: 44.075 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Tgt Ion:164 Resp: 75943

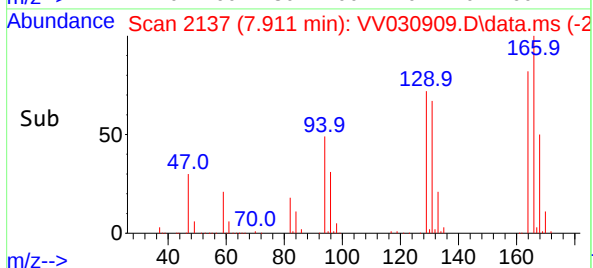
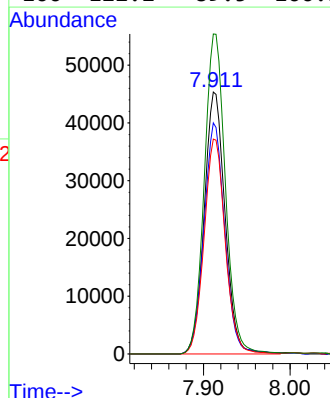
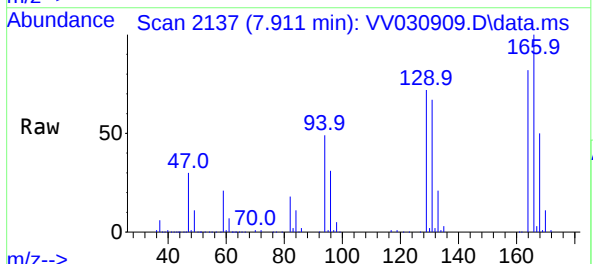
Ion Ratio Lower Upper

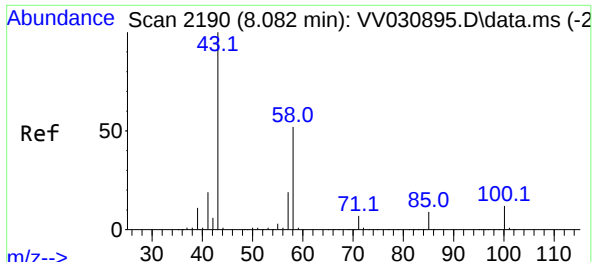
164 100

129 88.2 63.8 118.6

131 82.1 60.3 111.9

166 122.2 89.5 166.1



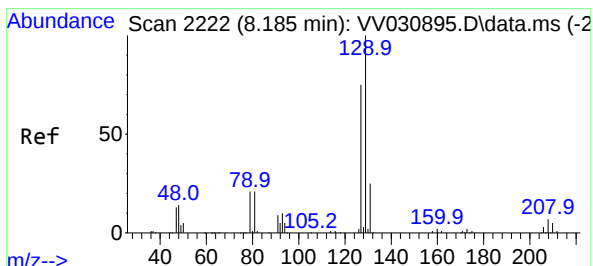
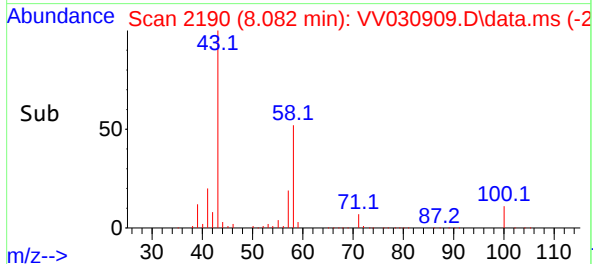
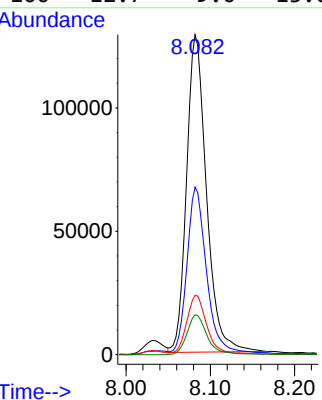
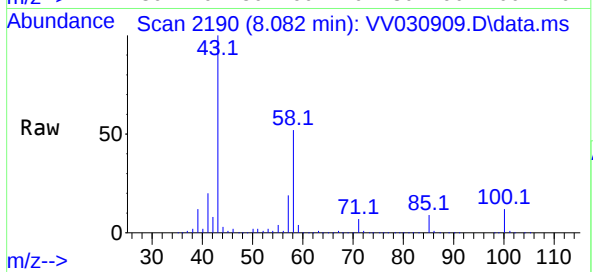


#48
2-Hexanone
Concen: 90.197 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

Tgt Ion: 43 Resp: 211763

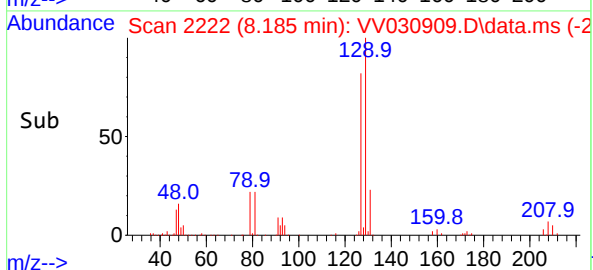
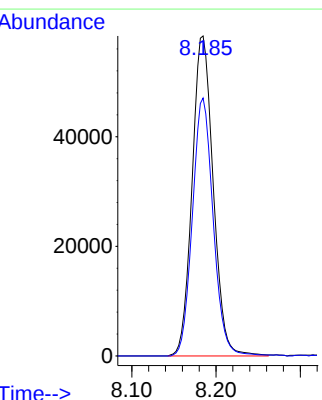
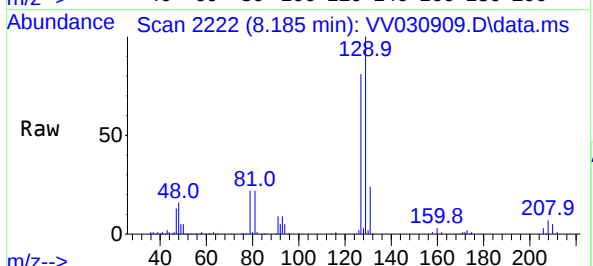
Ion	Ratio	Lower	Upper
43	100		
58	52.2	41.4	62.0
57	19.3	14.9	22.3
100	12.7	9.0	13.6

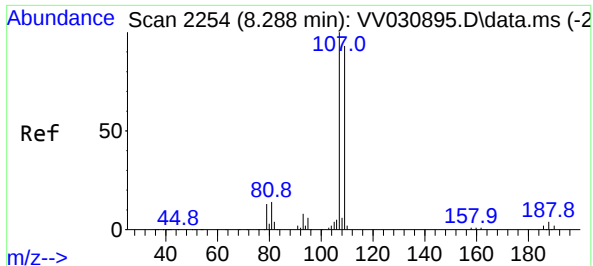


#49
Dibromochloromethane
Concen: 45.231 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 129 Resp: 101904

Ion	Ratio	Lower	Upper
129	100		
127	80.6	52.8	98.2





#50

1,2-Dibromoethane

Concen: 44.362 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

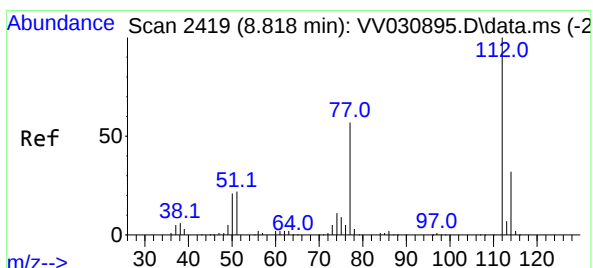
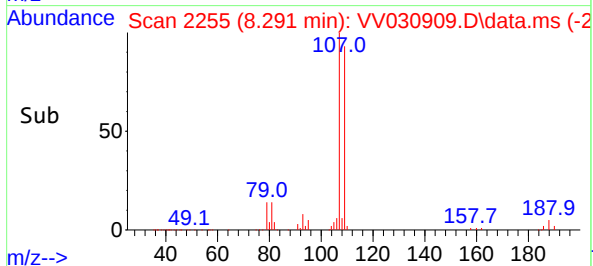
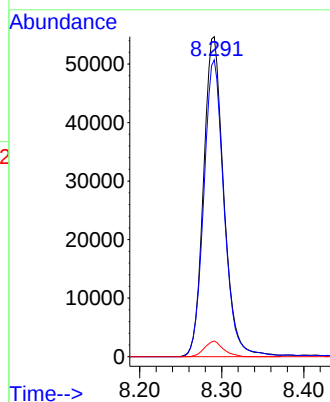
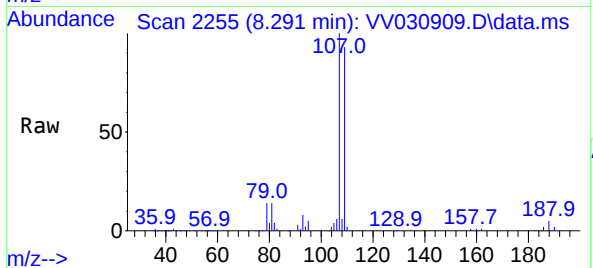
Instrument :

MSVOA_V

ClientSampleId :

VSTD050345

Tgt Ion:107	Resp:	93885
Ion Ratio	Lower	Upper
107	100	
109	92.7	65.7 121.9
188	4.9	3.2 4.8#



#51

Chlorobenzene

Concen: 45.232 ug/L

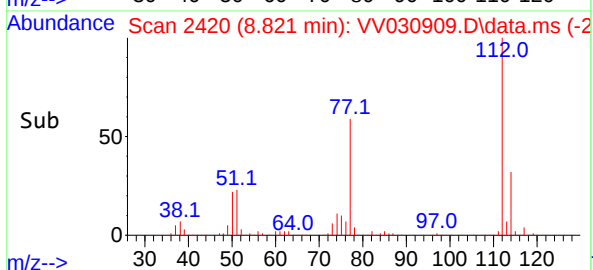
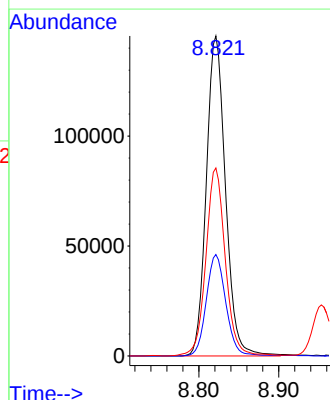
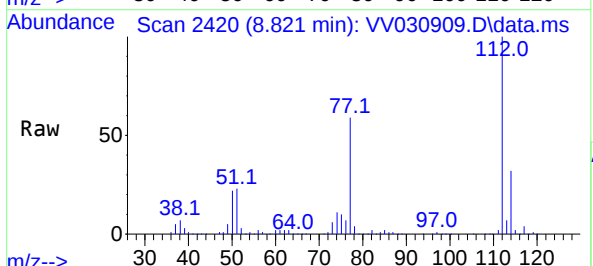
RT: 8.821 min Scan# 2420

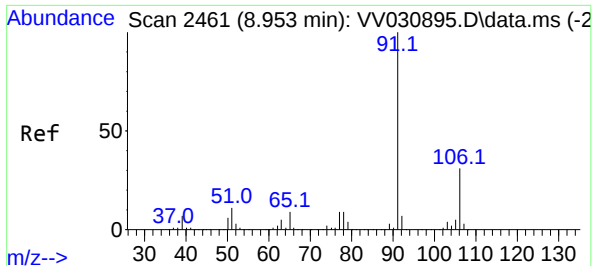
Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Tgt Ion:112	Resp:	242825
Ion Ratio	Lower	Upper
112	100	
114	31.7	22.4 41.6
77	58.8	47.4 71.0

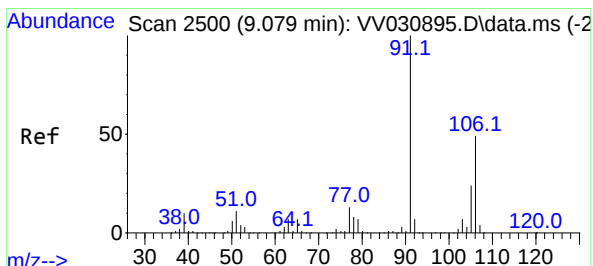
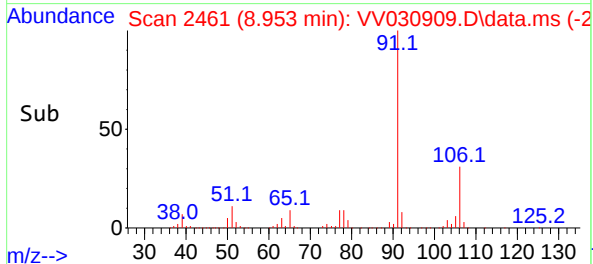
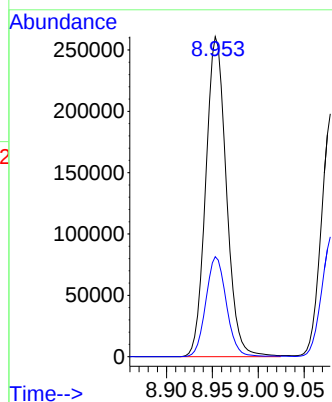
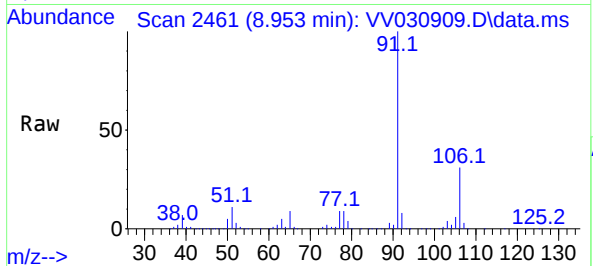




#52
Ethylbenzene
Concen: 45.517 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

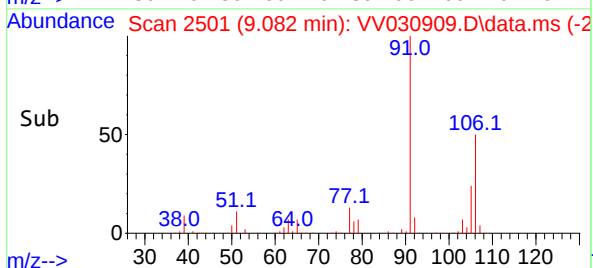
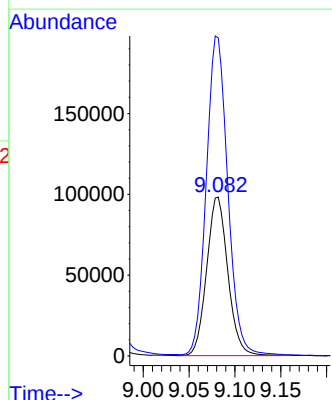
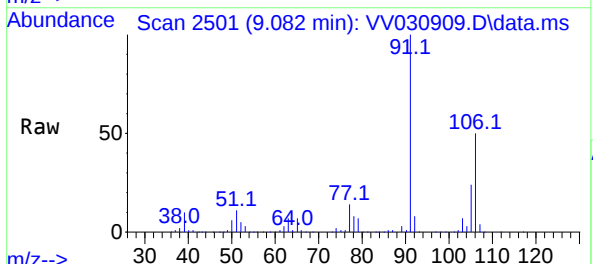
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

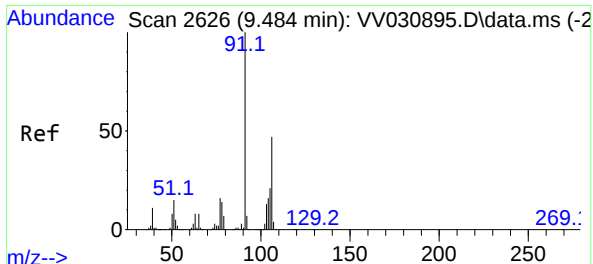
Tgt Ion: 91 Resp: 408461
Ion Ratio Lower Upper
91 100
106 31.2 21.8 40.4



#53
m,p-Xylene
Concen: 46.529 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 106 Resp: 157717
Ion Ratio Lower Upper
106 100
91 200.2 144.7 268.7





#54

o-Xylene

Concen: 46.839 ug/L

RT: 9.487 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV030909.D

Acq: 27 Apr 2023 18:25

Instrument :

MSVOA_V

ClientSampleId :

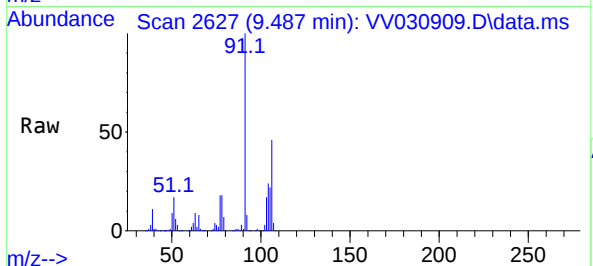
VSTD050345

Tgt Ion:106 Resp: 155320

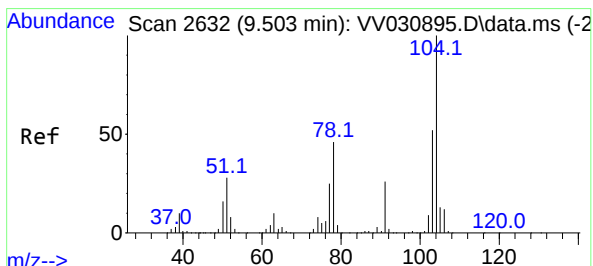
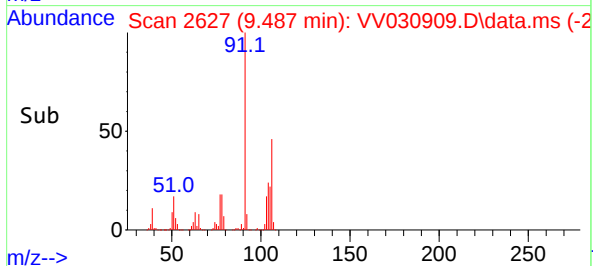
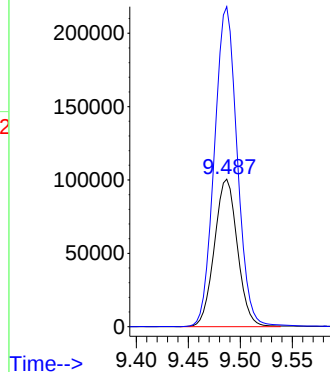
Ion Ratio Lower Upper

106 100

91 216.8 152.6 283.4



Abundance



#55

Styrene

Concen: 48.067 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. -0.000 min

Lab File: VV030909.D

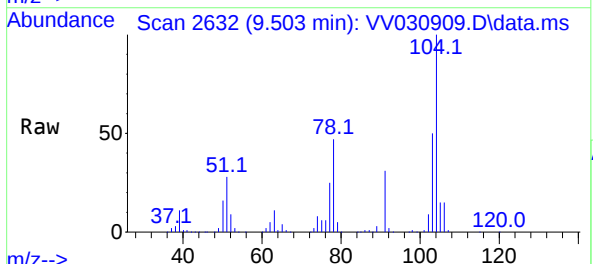
Acq: 27 Apr 2023 18:25

Tgt Ion:104 Resp: 279985

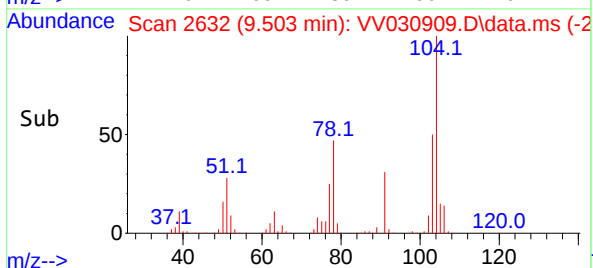
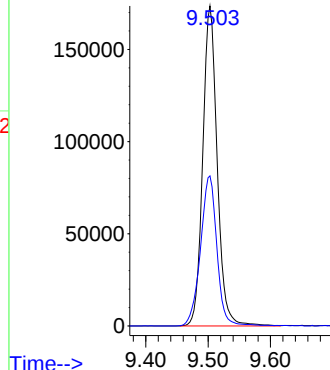
Ion Ratio Lower Upper

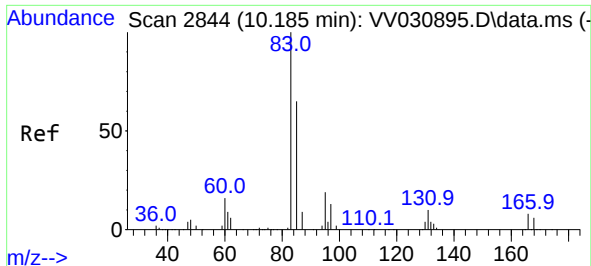
104 100

78 46.9 32.3 59.9



Abundance

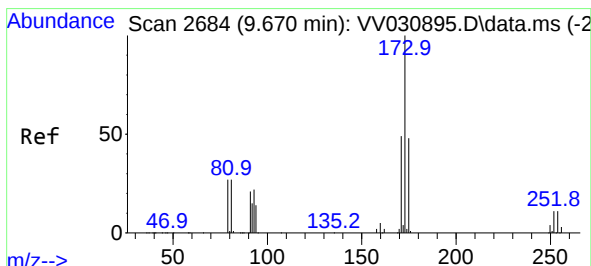
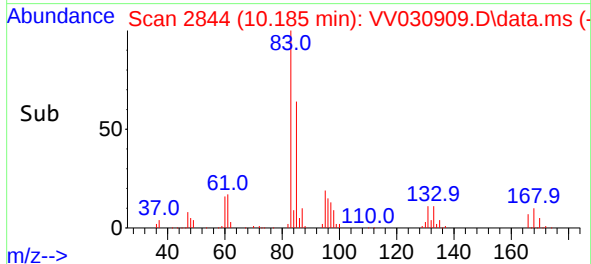
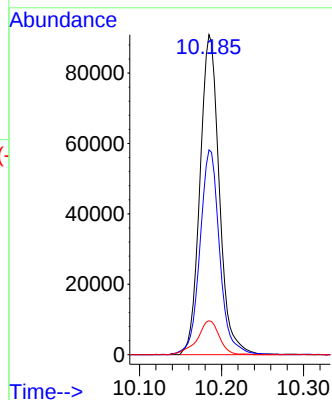
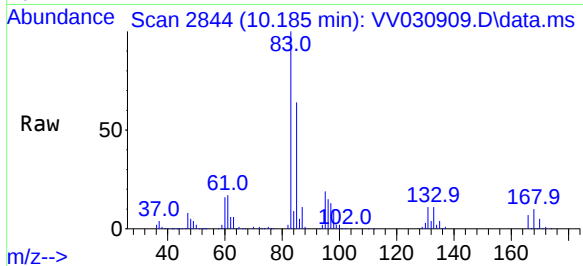




#57
1,1,2,2-Tetrachloroethane
Concen: 44.289 ug/L
RT: 10.185 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

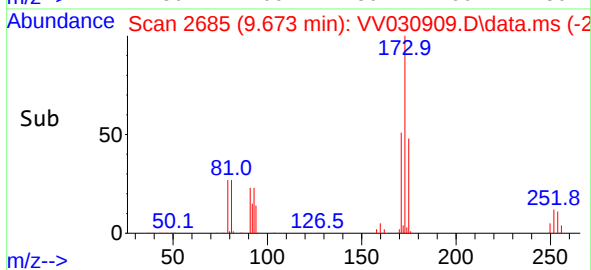
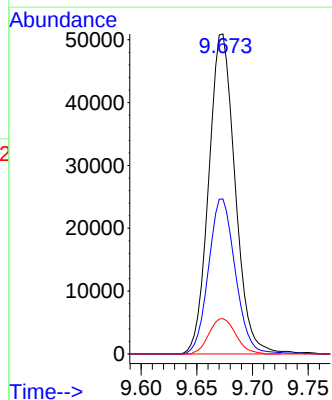
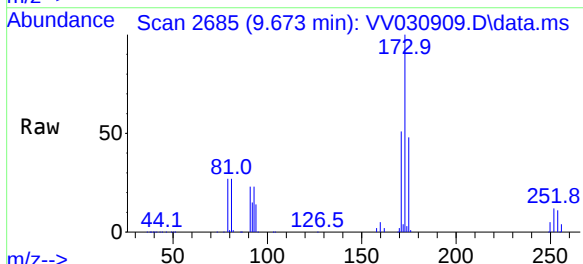
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

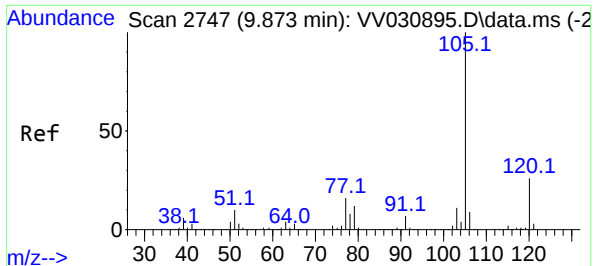
Tgt Ion: 83 Resp: 148522
Ion Ratio Lower Upper
83 100
85 64.0 45.1 83.7
131 10.6 8.0 12.0



#59
Bromoform
Concen: 43.641 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 173 Resp: 83876
Ion Ratio Lower Upper
173 100
175 49.3 38.8 58.2
254 11.2 8.2 12.4

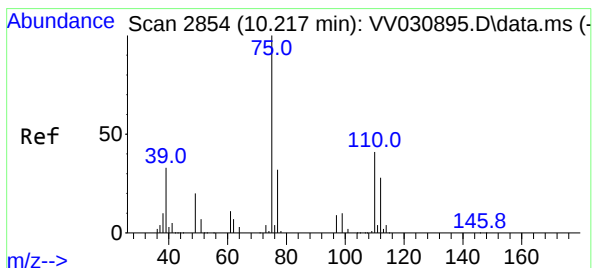
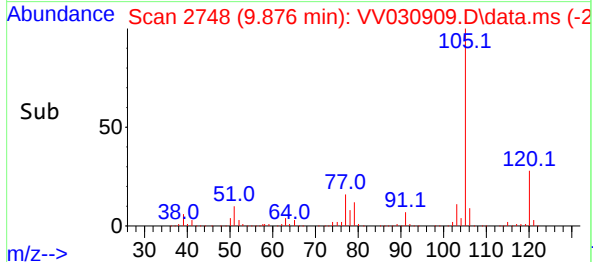
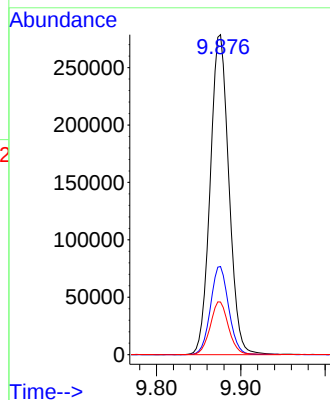
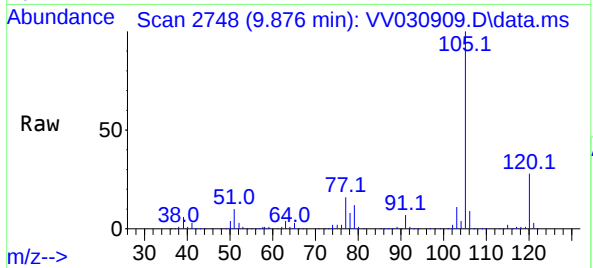




#60
Isopropylbenzene
Concen: 44.824 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

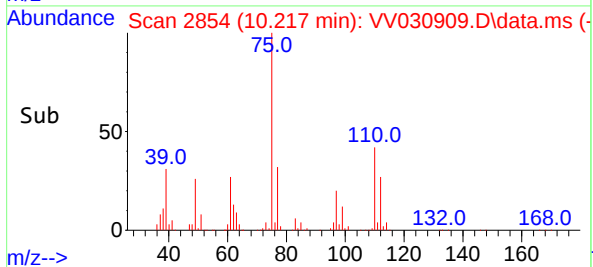
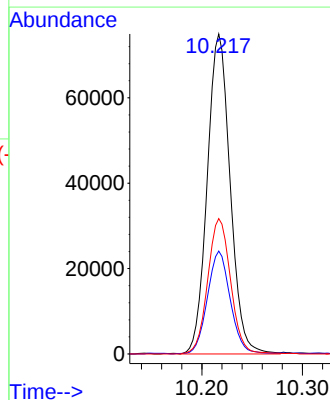
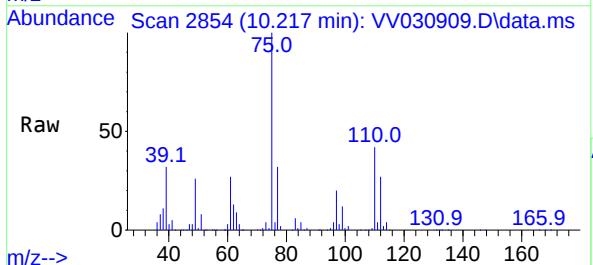
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

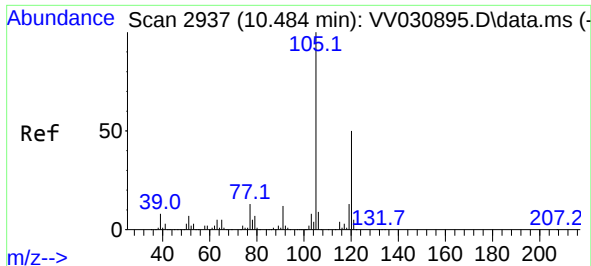
Tgt Ion:105 Resp: 429129
Ion Ratio Lower Upper
105 100
120 26.9 20.9 31.3
77 16.1 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 43.153 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion: 75 Resp: 118645
Ion Ratio Lower Upper
75 100
77 32.2 25.7 38.5
110 42.3 32.8 49.2

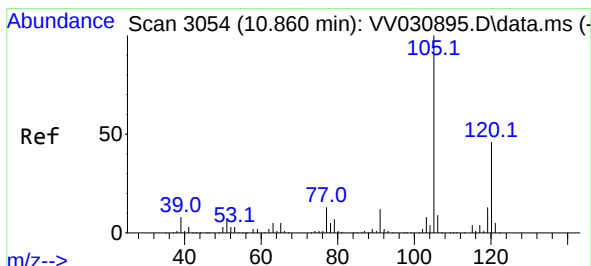
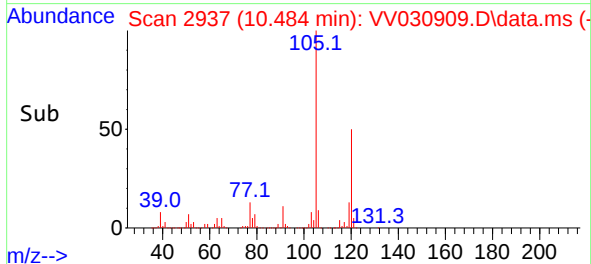
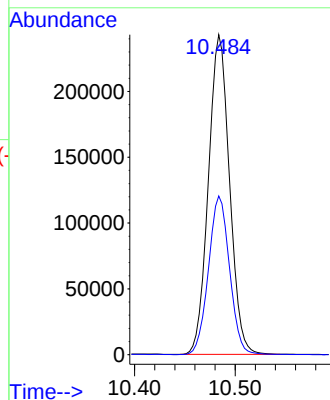
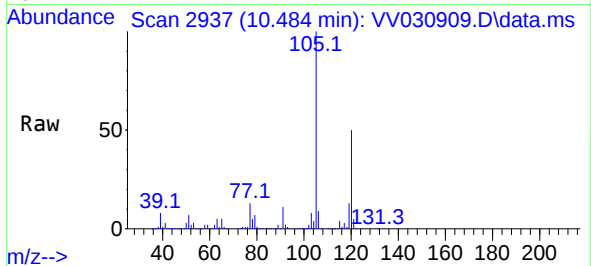




#62
1,3,5-Trimethylbenzene
Concen: 45.012 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

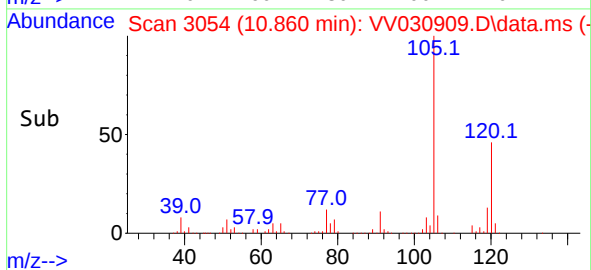
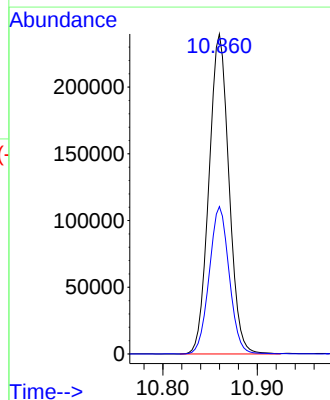
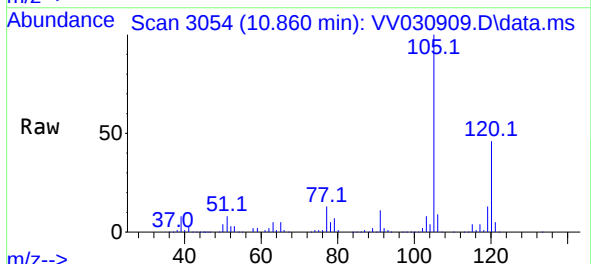
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

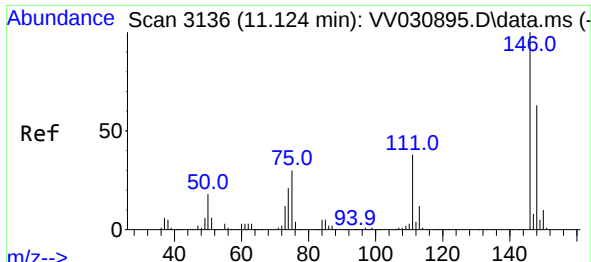
Tgt Ion:105 Resp: 354806
Ion Ratio Lower Upper
105 100
120 49.5 39.2 58.8



#63
1,2,4-Trimethylbenzene
Concen: 44.846 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion:105 Resp: 352949
Ion Ratio Lower Upper
105 100
120 46.0 36.2 54.4

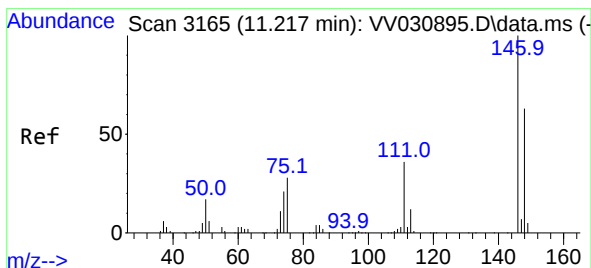
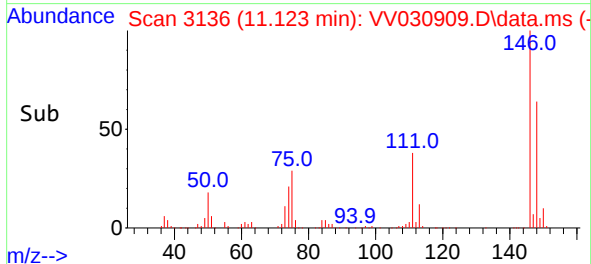
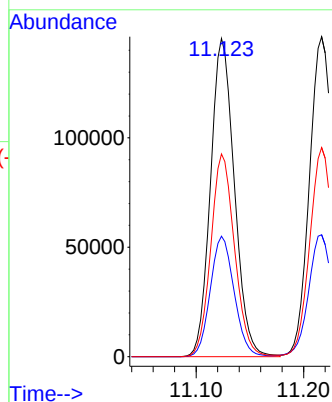
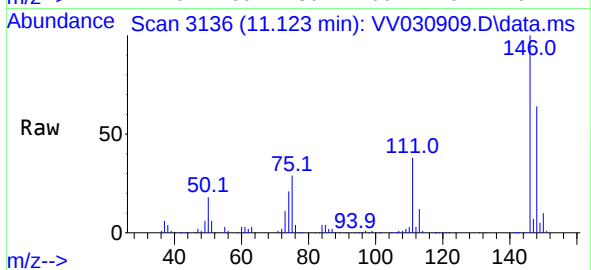




#64
1,3-Dichlorobenzene
Concen: 46.740 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

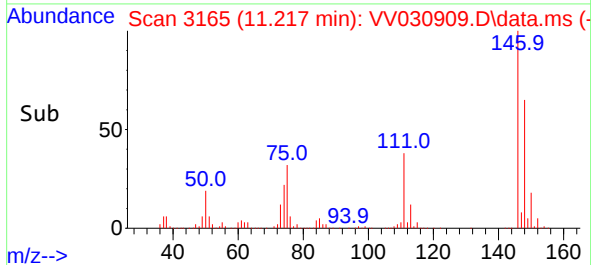
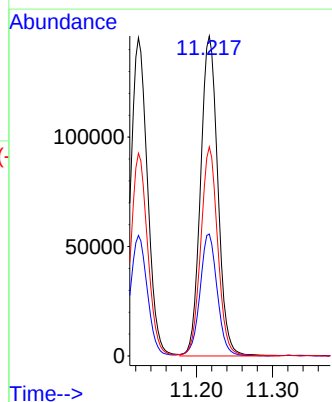
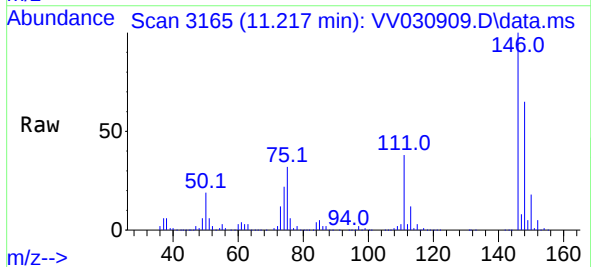
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

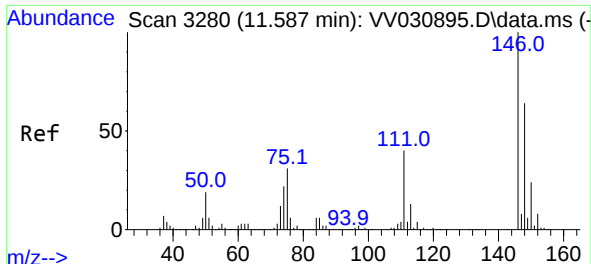
Tgt Ion:146 Resp: 224031
Ion Ratio Lower Upper
146 100
111 37.8 27.0 50.2
148 63.7 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 45.722 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion:146 Resp: 231095
Ion Ratio Lower Upper
146 100
111 38.1 26.5 49.1
148 65.3 44.7 83.1

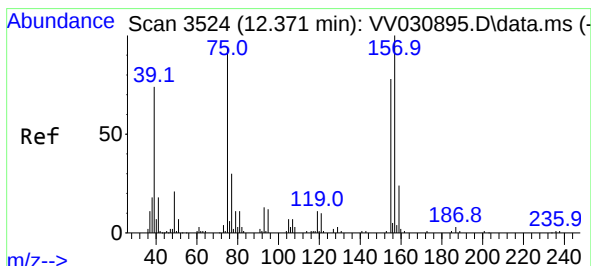
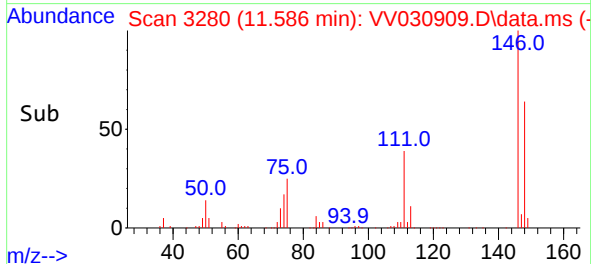
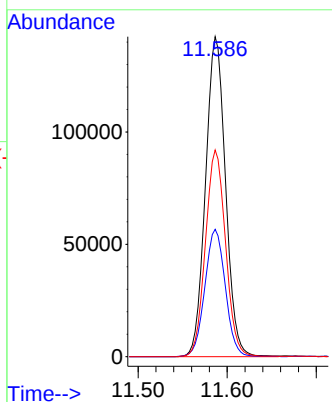
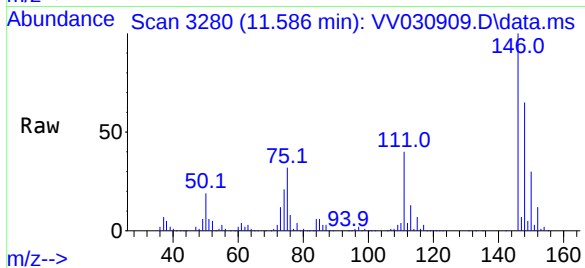




#67
1,2-Dichlorobenzene
Concen: 45.875 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

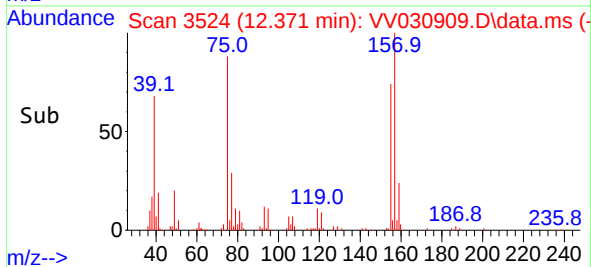
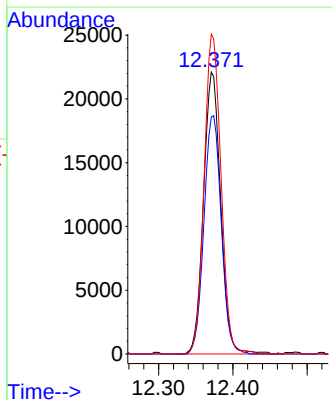
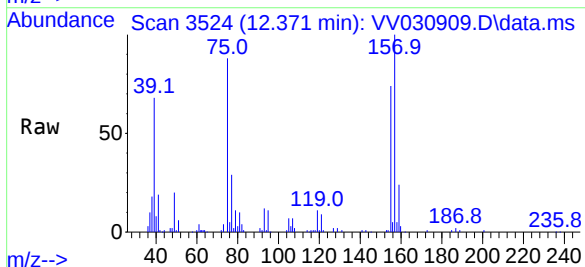
Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

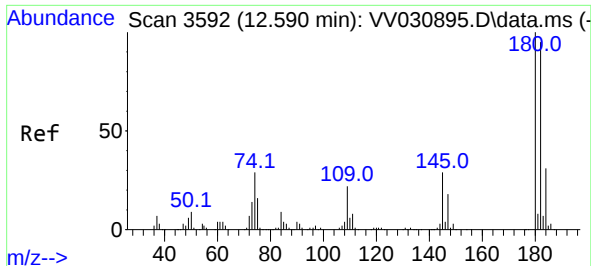
Tgt Ion:146 Resp: 221824
Ion Ratio Lower Upper
146 100
111 39.8 32.0 48.0
148 64.6 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 43.559 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

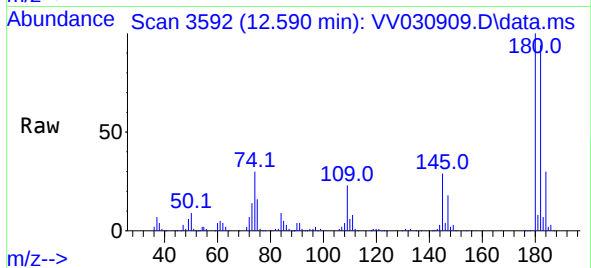
Tgt Ion: 75 Resp: 35482
Ion Ratio Lower Upper
75 100
155 84.1 65.0 97.6
157 113.5 84.4 126.6





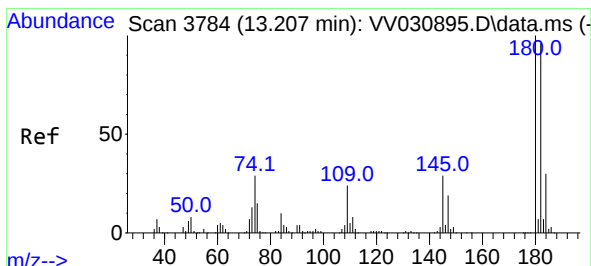
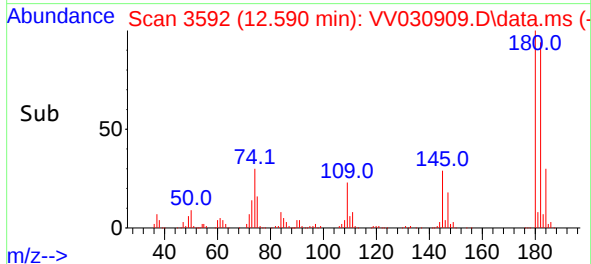
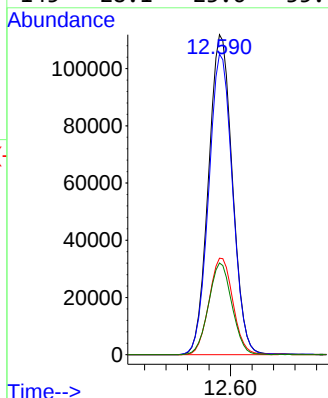
#69
1,3,5-Trichlorobenzene
Concen: 47.534 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050345



Tgt Ion:180 Resp: 172110

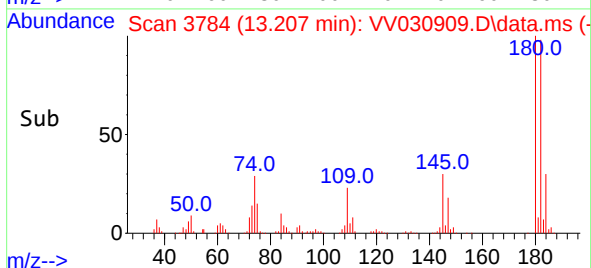
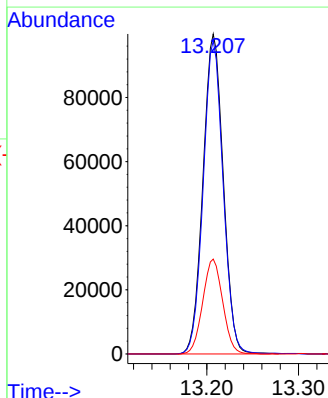
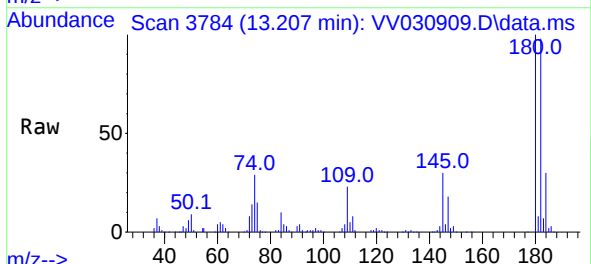
Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.4	114.6
184	30.3	24.1	36.1
145	28.1	23.6	35.4

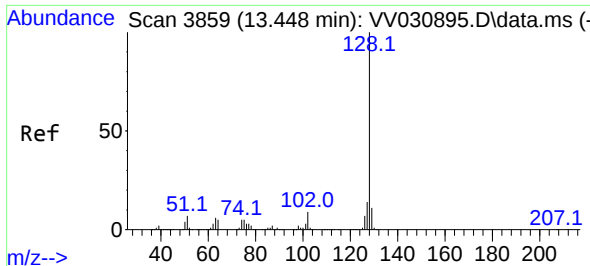


#70
1,2,4-trichlorobenzene
Concen: 49.898 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion:180 Resp: 153398

Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.9	113.9
145	29.1	23.4	35.2

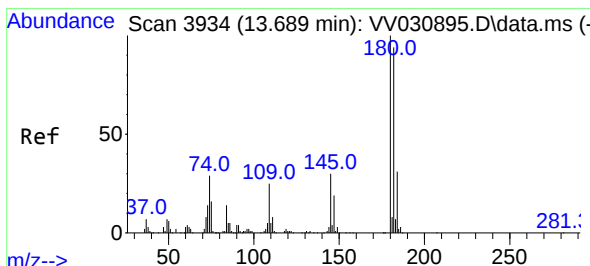
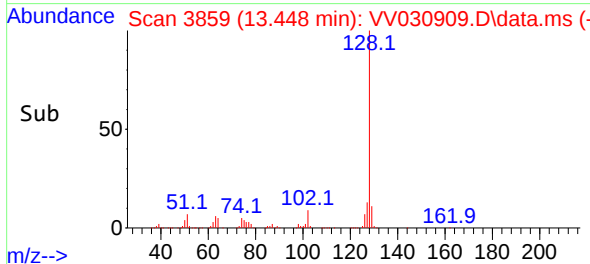
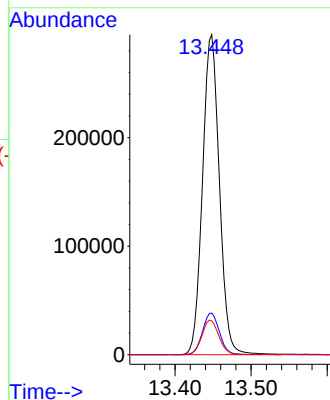
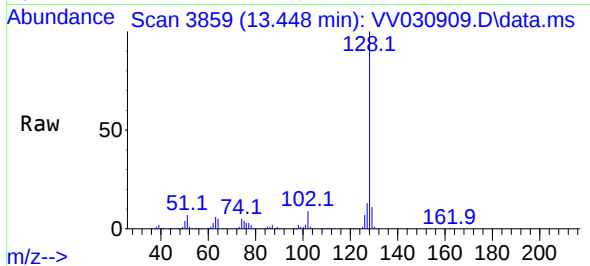




#71
Naphthalene
Concen: 54.028 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050345

Tgt Ion:128 Resp: 454354
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 10.9 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 51.483 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030909.D
Acq: 27 Apr 2023 18:25

Tgt Ion:180 Resp: 156941
Ion Ratio Lower Upper
180 100
182 96.8 76.2 114.4
145 31.6 25.1 37.7

