

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030607.D
 Acq On : 17 Apr 2023 23:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050288

Quant Time: Apr 18 02:54:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	226976	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	220458	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	122326	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	78083	46.927	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.860%
7) Chloroethane-d5	1.532	69	62739	44.995	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.063	65	36324	46.033	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.060%
21) 2-Butanone-d5	3.799	46	90539	99.067	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.070%
24) Chloroform-d	4.259	84	146986	48.745	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.500%
26) 1,2-Dichloroethane-d4	4.950	65	95703	49.366	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.740%
32) Benzene-d6	4.969	84	262458	50.354	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.700%
36) 1,2-Dichloropropane-d6	5.998	67	79139	48.880	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.760%
41) Toluene-d8	7.252	98	247051	50.482	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.960%
43) trans-1,3-Dichloroprop...	7.558	79	38794	47.539	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.080%
47) 2-Hexanone-d5	8.034	63	61859	96.986	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.990%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	117010	49.805	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.620%
66) 1,2-Dichlorobenzene-d4	11.570	152	96904	49.839	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	93394	47.858	ug/L	100
3) Chloromethane	1.217	50	134277	52.454	ug/L	99
5) Vinyl chloride	1.288	62	98903	47.922	ug/L	99
6) Bromomethane	1.487	94	51964	63.497	ug/L	99
8) Chloroethane	1.551	64	63359	44.759	ug/L	99
9) Trichlorofluoromethane	1.715	101	165757	49.555	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	84098	47.840	ug/L	98
12) 1,1-Dichloroethene	2.076	96	78518	49.404	ug/L	95
13) Acetone	2.121	43	100617	71.148	ug/L	98
14) Carbon disulfide	2.246	76	212180	47.266	ug/L	99
15) Methyl Acetate	2.378	43	96742	51.261	ug/L	100
16) Methylene chloride	2.452	84	98512	54.165	ug/L	97
17) trans-1,2-Dichloroethene	2.699	96	76650	47.773	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	261645	50.912	ug/L	98
19) 1,1-Dichloroethane	3.117	63	160139	48.954	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	85522	49.001	ug/L	98
22) 2-Butanone	3.876	43	125159	85.640	ug/L	96
23) Bromochloromethane	4.159	128	47894	49.133	ug/L	98
25) Chloroform	4.284	83	169014	49.918	ug/L	100

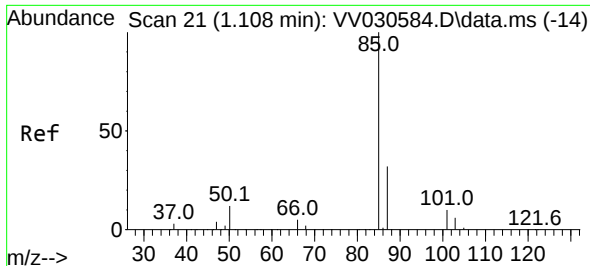
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
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 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	148026	51.647	ug/L	99
29) Cyclohexane	4.593	56	129924	49.110	ug/L	100
30) 1,1,1-Trichloroethane	4.522	97	156161	50.411	ug/L	99
31) Carbon tetrachloride	4.744	117	137130	49.512	ug/L	98
33) Benzene	5.018	78	348988	52.130	ug/L	100
34) Trichloroethene	5.841	95	99845	57.338	ug/L	98
35) Methylcyclohexane	6.059	83	131214	48.090	ug/L	100
37) 1,2-Dichloropropane	6.101	63	94358	52.366	ug/L	99
38) Bromodichloromethane	6.442	83	126192	49.854	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	132123	48.855	ug/L	98
40) 4-Methyl-2-pentanone	7.165	43	263548	104.705	ug/L	99
42) Toluene	7.323	91	380616	53.080	ug/L	97
44) trans-1,3-Dichloropropene	7.590	75	130114	48.971	ug/L	98
45) 1,1,2-Trichloroethane	7.776	97	91410	50.591	ug/L	99
46) Tetrachloroethene	7.911	164	72692	47.692	ug/L	97
48) 2-Hexanone	8.085	43	203088	97.786	ug/L	99
49) Dibromochloromethane	8.185	129	97955	49.150	ug/L	98
50) 1,2-Dibromoethane	8.291	107	94764	50.618	ug/L	96
51) Chlorobenzene	8.821	112	236726	49.848	ug/L	98
52) Ethylbenzene	8.953	91	397830	50.115	ug/L	99
53) m,p-Xylene	9.082	106	156634	52.238	ug/L	98
54) o-Xylene	9.487	106	151376	51.605	ug/L	97
55) Styrene	9.503	104	270775	52.550	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	151519	51.076	ug/L	99
59) Bromoform	9.673	173	79714	52.049	ug/L	100
60) Isopropylbenzene	9.876	105	404913	53.076	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	115851	52.878	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	326892	52.043	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	331441	52.849	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	191666	50.181	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	196887	48.884	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	200344	51.994	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.374	75	32816	50.555	ug/L	94
69) 1,3,5-Trichlorobenzene	12.593	180	137608	47.694	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	115695	47.227	ug/L	99
71) Naphthalene	13.448	128	331538	49.474	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	124027	51.057	ug/L	99

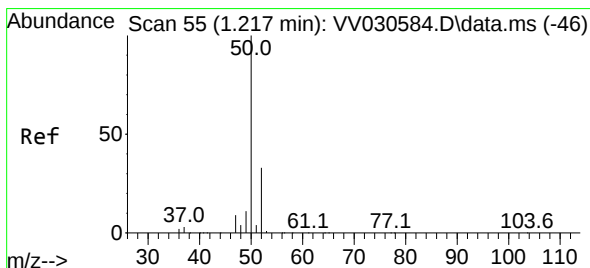
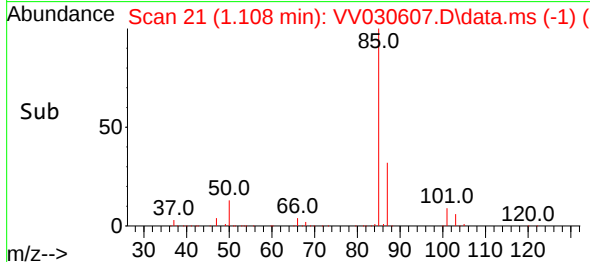
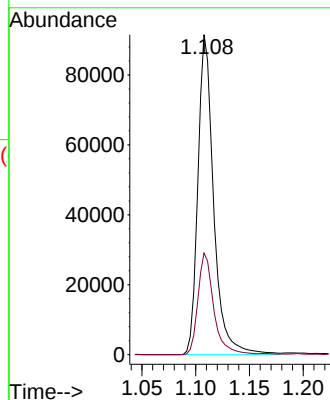
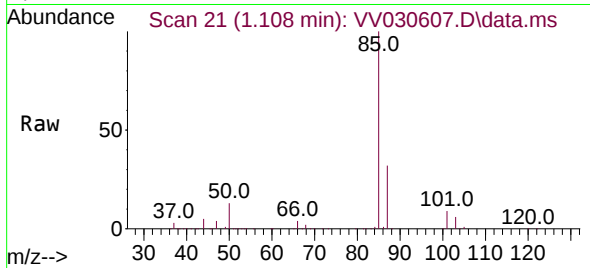
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 47.858 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

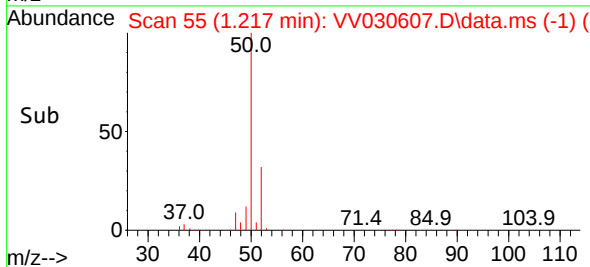
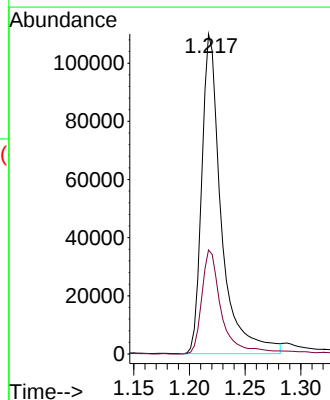
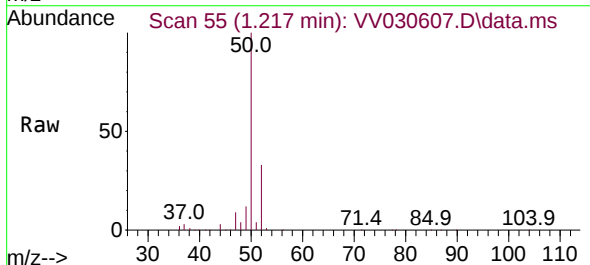
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050288

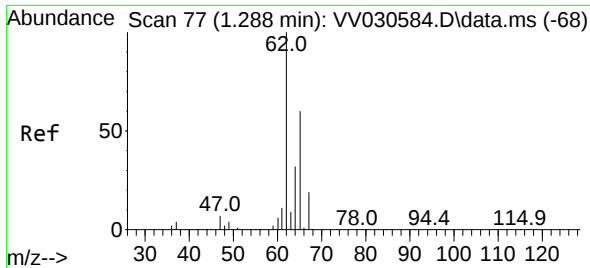
Tgt Ion: 85 Resp: 93394
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.6 38.4



#3
 Chloromethane
 Concen: 52.454 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

Tgt Ion: 50 Resp: 134277
 Ion Ratio Lower Upper
 50 100
 52 32.5 22.5 41.9

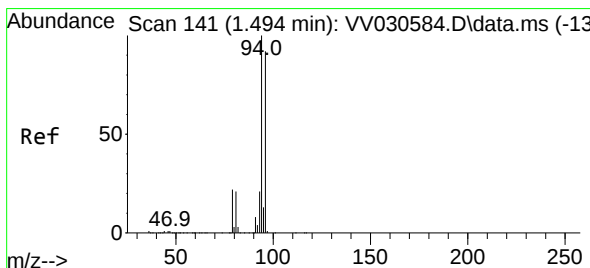
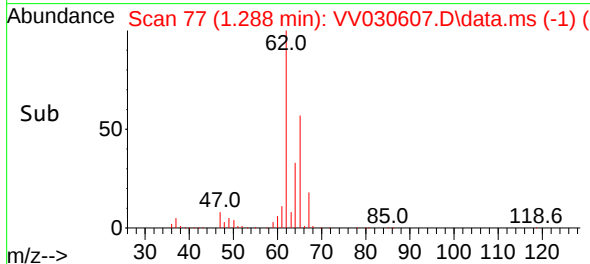
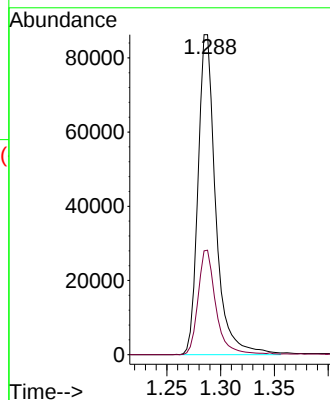
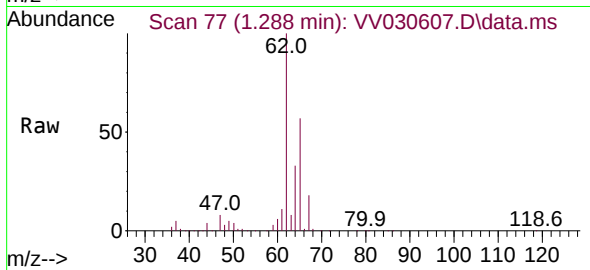




#5
 Vinyl chloride
 Concen: 47.922 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

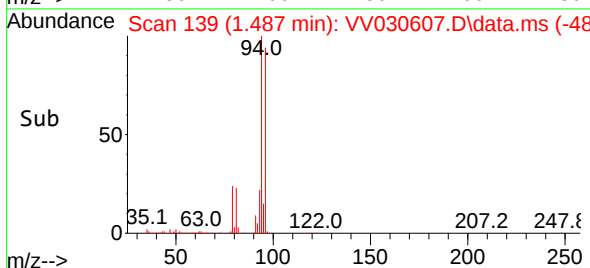
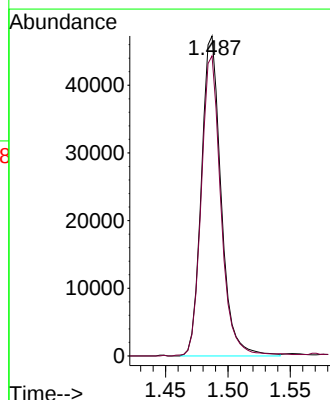
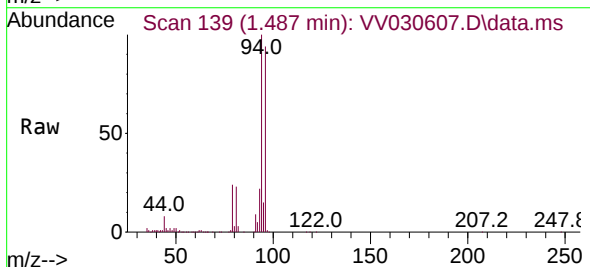
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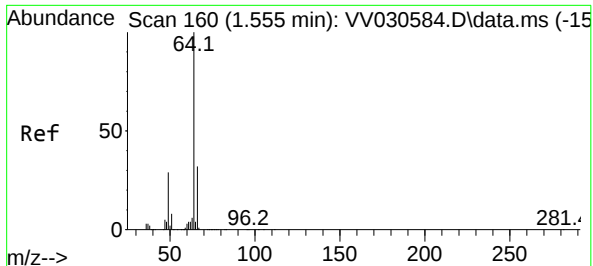
Tgt Ion: 62 Resp: 98903
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.4 43.4



#6
 Bromomethane
 Concen: 63.497 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.007 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

Tgt Ion: 94 Resp: 51964
 Ion Ratio Lower Upper
 94 100
 96 93.8 66.3 123.1

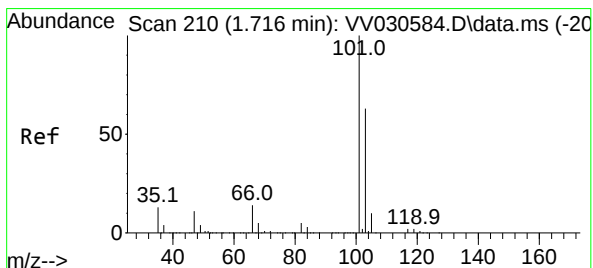
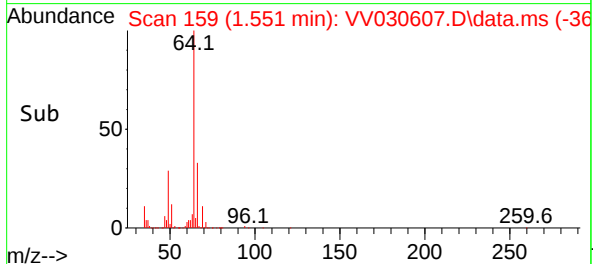
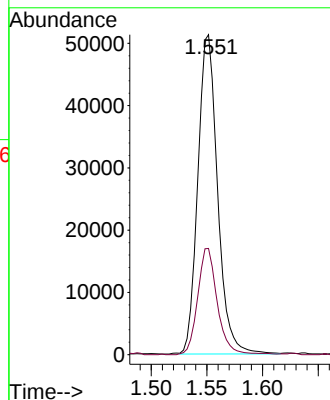
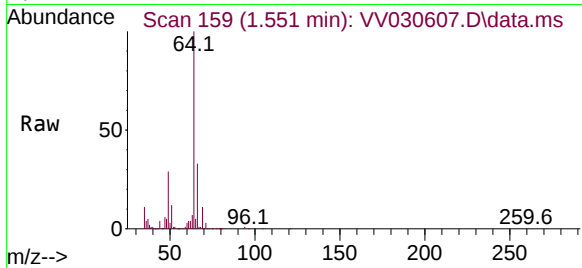




#8
Chloroethane
Concen: 44.759 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

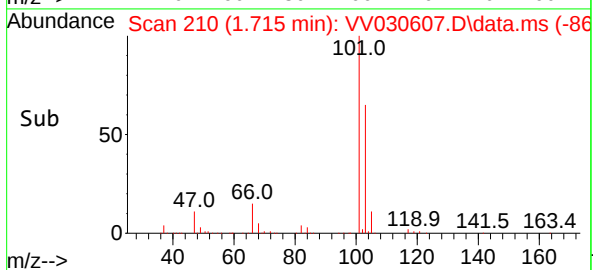
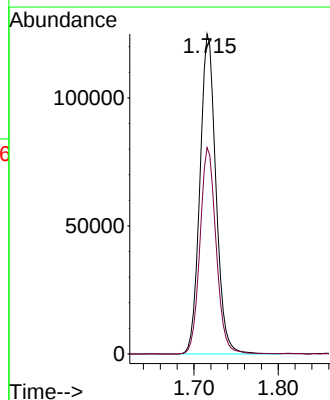
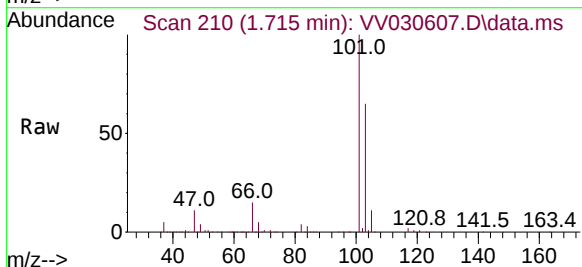
Instrument :
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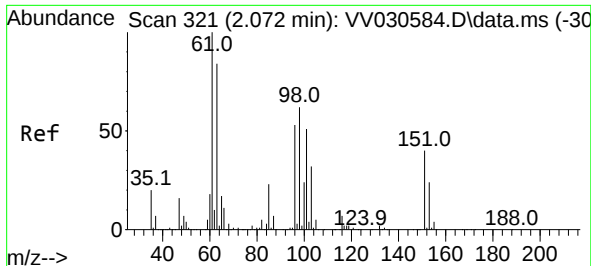
Tgt Ion: 64 Resp: 63359
Ion Ratio Lower Upper
64 100
66 33.2 22.7 42.3



#9
Trichlorofluoromethane
Concen: 49.555 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 101 Resp: 165757
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.0

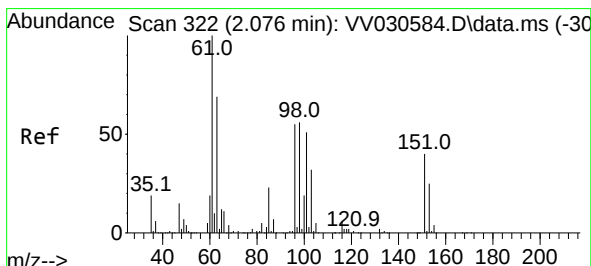
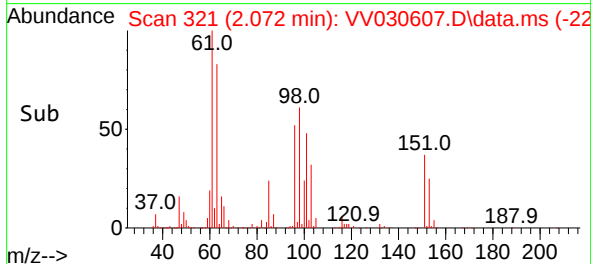
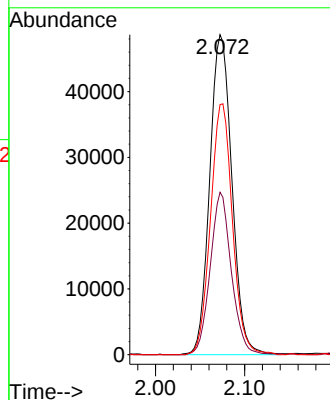
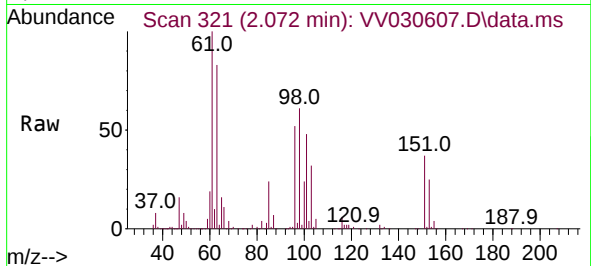




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 47.840 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

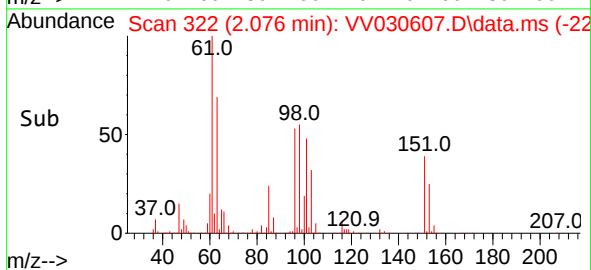
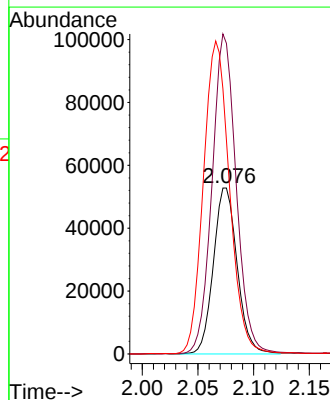
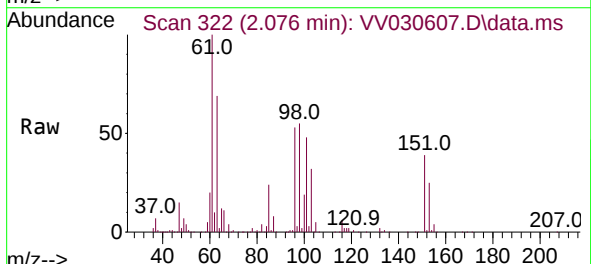
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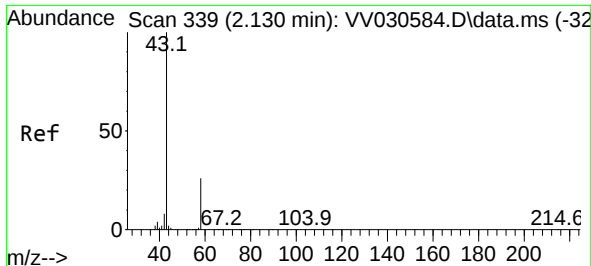
Tgt Ion:101 Resp: 84098
 Ion Ratio Lower Upper
 101 100
 85 48.4 37.5 56.3
 151 77.7 63.5 95.3



#12
 1,1-Dichloroethene
 Concen: 49.404 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

Tgt Ion: 96 Resp: 78518
 Ion Ratio Lower Upper
 96 100
 61 187.2 131.9 245.0
 63 128.8 99.8 185.3





#13

Acetone

Concen: 71.148 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

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MSVOA_V

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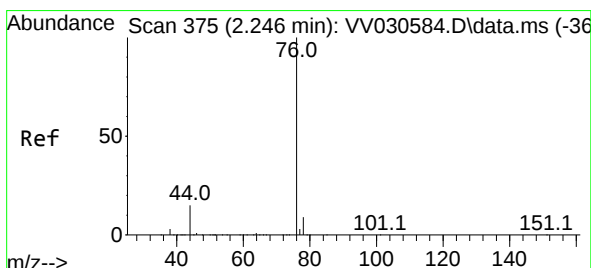
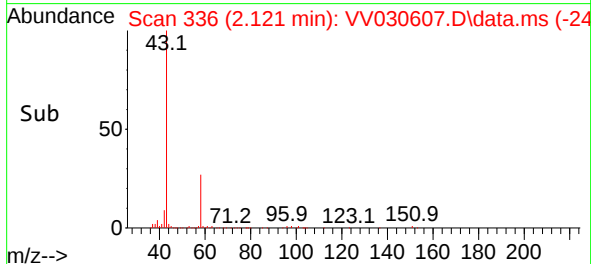
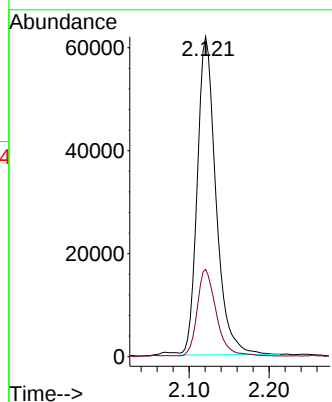
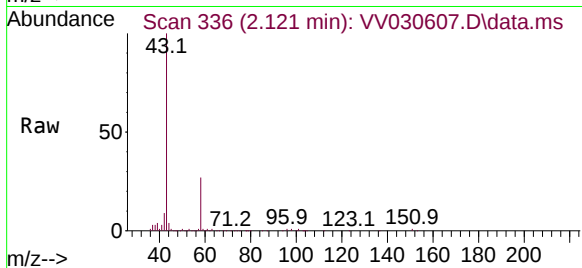
VSTD050288

Tgt Ion: 43 Resp: 100617

Ion Ratio Lower Upper

43 100

58 27.5 0.0 52.8



#14

Carbon disulfide

Concen: 47.266 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030607.D

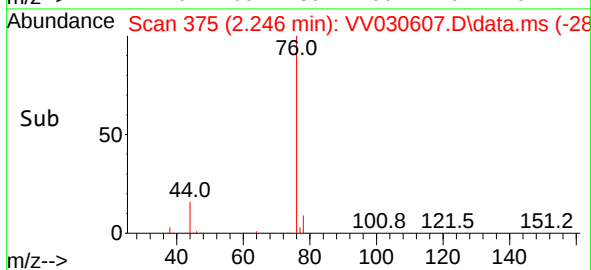
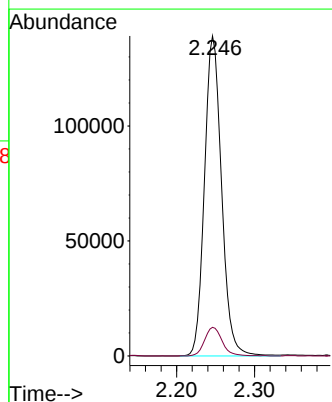
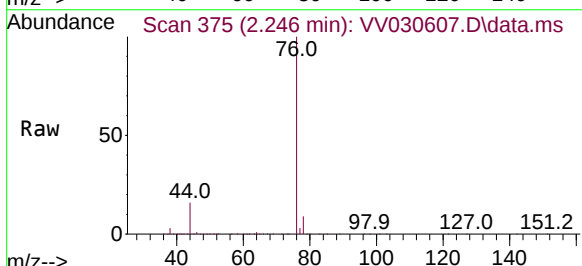
Acq: 17 Apr 2023 23:52

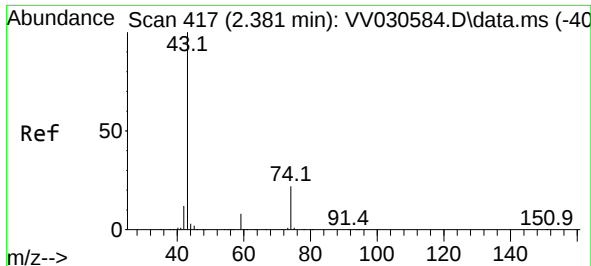
Tgt Ion: 76 Resp: 212180

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4

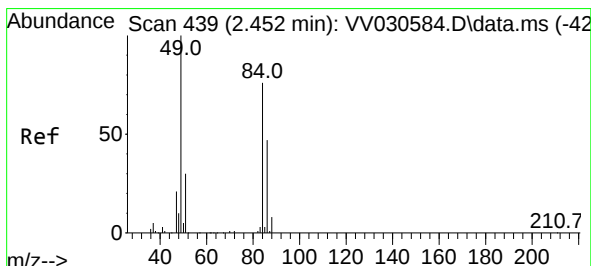
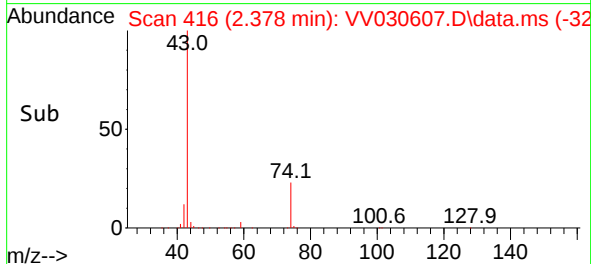
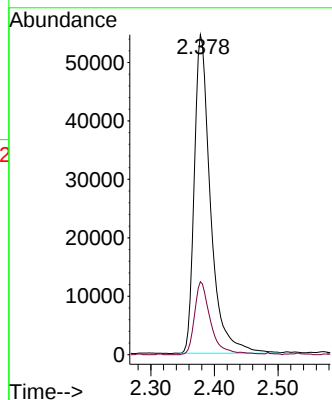
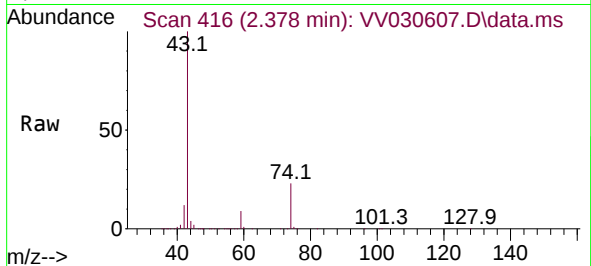




#15
Methyl Acetate
Concen: 51.261 ug/L
RT: 2.378 min Scan# 417
Delta R.T. -0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

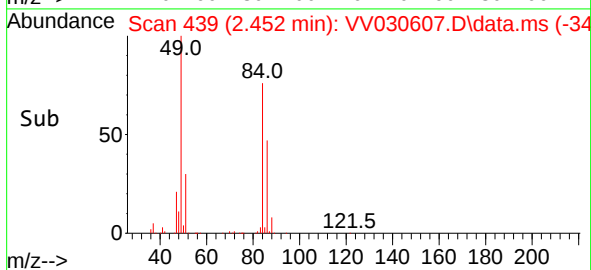
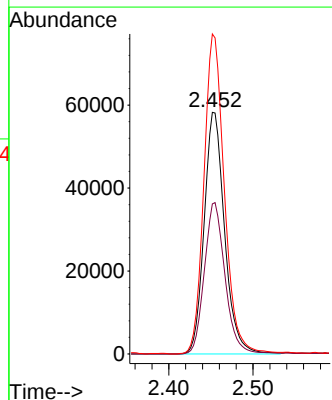
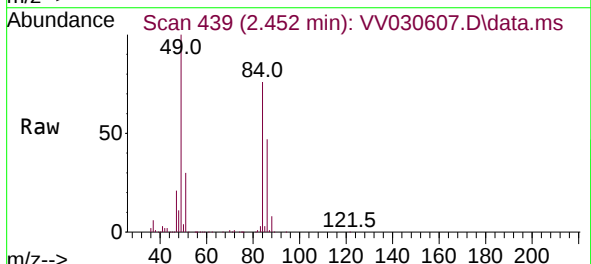
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

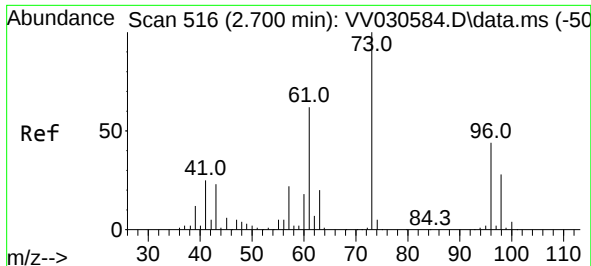
Tgt Ion: 43 Resp: 96742
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5



#16
Methylene chloride
Concen: 54.165 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 84 Resp: 98512
Ion Ratio Lower Upper
84 100
86 62.1 45.4 84.2
49 132.4 90.4 168.0





#17

trans-1,2-Dichloroethene

Concen: 47.773 ug/L

RT: 2.699 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050288

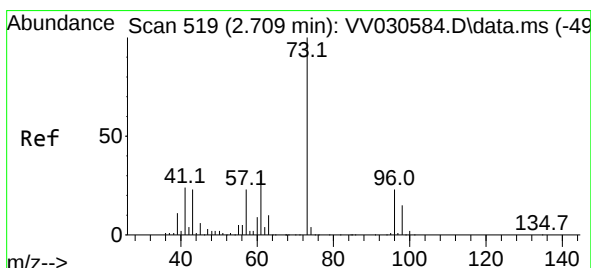
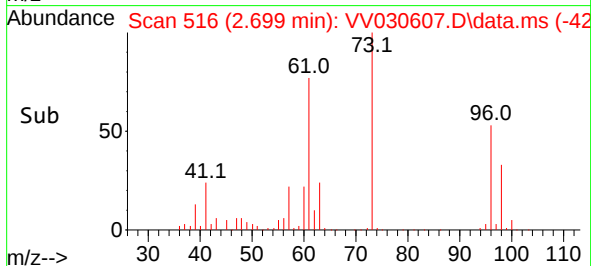
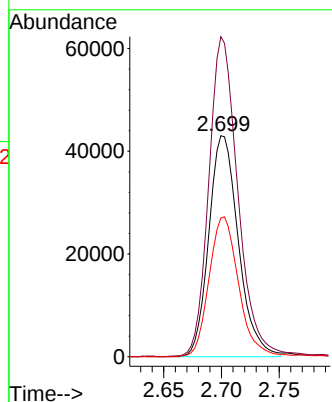
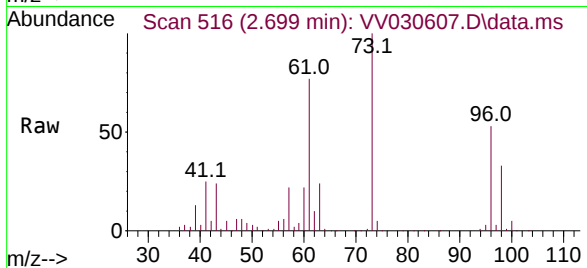
Tgt Ion: 96 Resp: 76650

Ion Ratio Lower Upper

96 100

61 144.8 101.0 187.6

98 62.8 45.4 84.2



#18

Methyl tert-butyl Ether

Concen: 50.912 ug/L

RT: 2.712 min Scan# 520

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

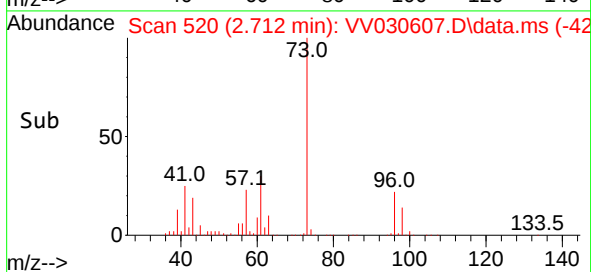
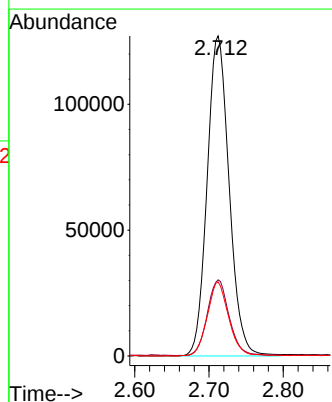
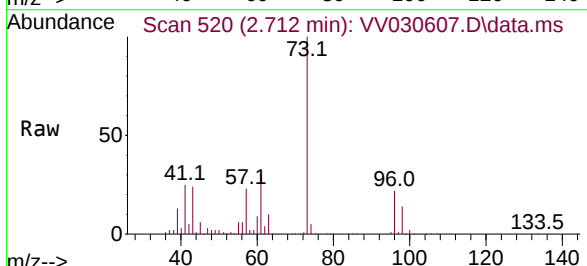
Tgt Ion: 73 Resp: 261645

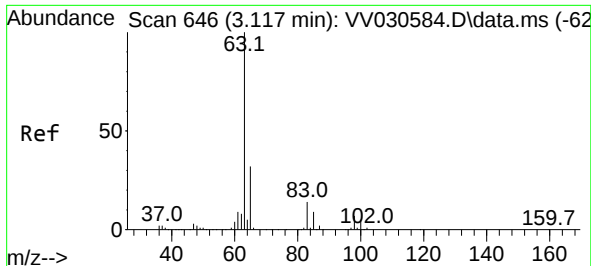
Ion Ratio Lower Upper

73 100

43 23.4 17.6 26.4

57 22.6 18.2 27.2





#19

1,1-Dichloroethane

Concen: 48.954 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050288

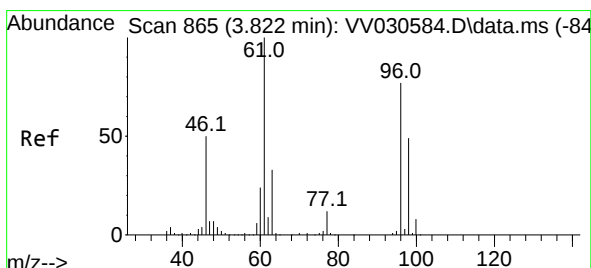
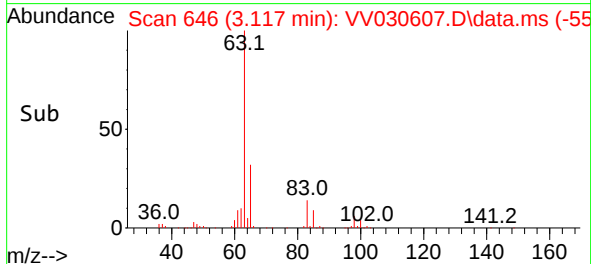
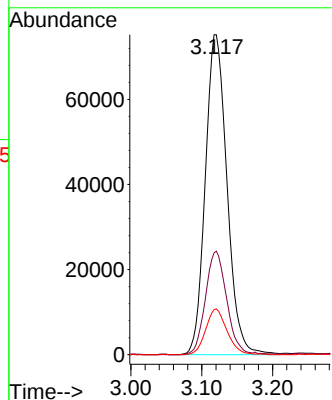
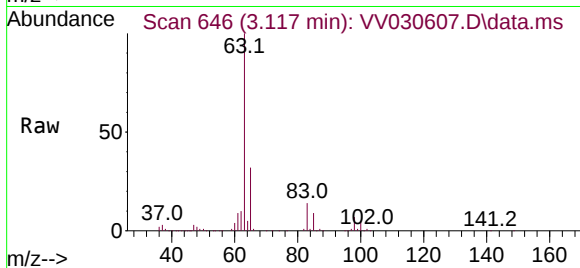
Tgt Ion: 63 Resp: 160139

Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.6

83 14.1 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 49.001 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

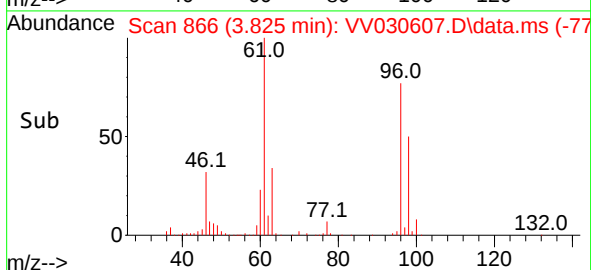
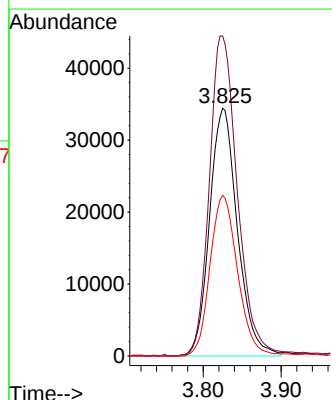
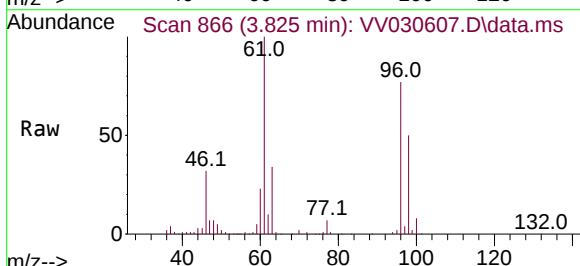
Tgt Ion: 96 Resp: 85522

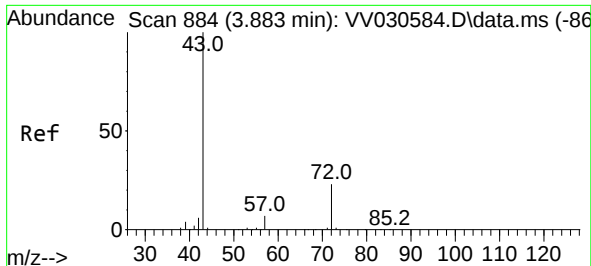
Ion Ratio Lower Upper

96 100

61 129.2 92.3 171.3

98 64.9 45.9 85.3

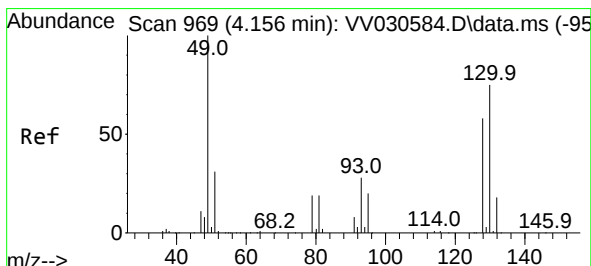
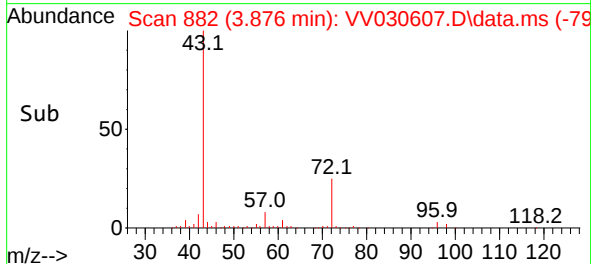
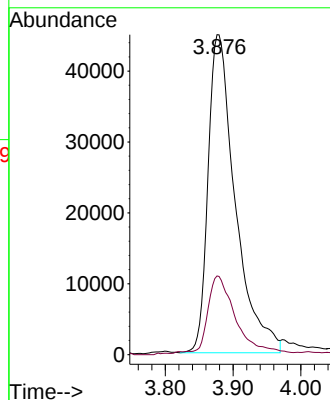
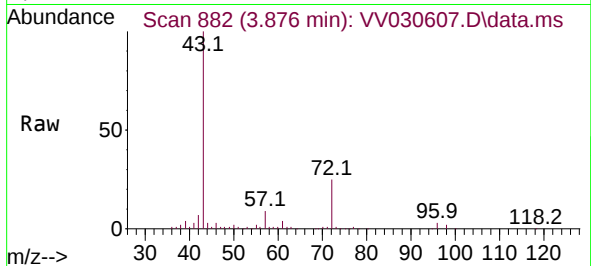




#22
2-Butanone
Concen: 85.640 ug/L
RT: 3.876 min Scan# 81
Delta R.T. -0.007 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

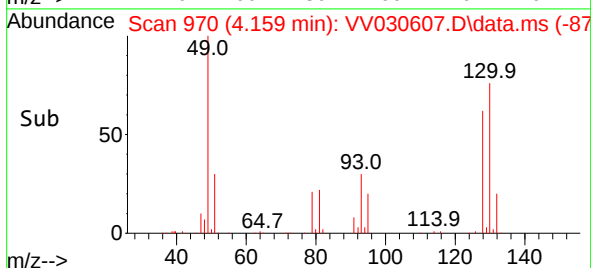
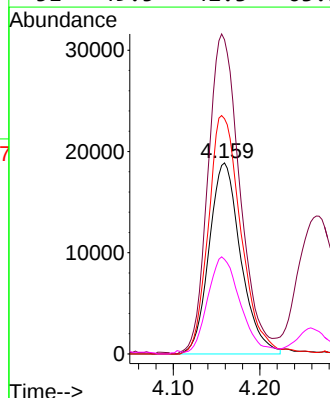
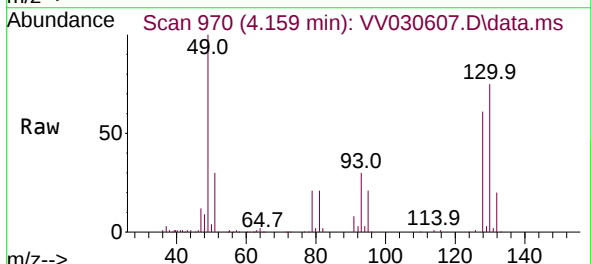
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

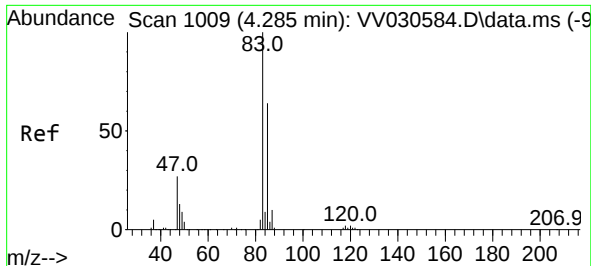
Tgt Ion: 43 Resp: 125159
Ion Ratio Lower Upper
43 100
72 25.0 11.5 34.4



#23
Bromochloromethane
Concen: 49.133 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion:128 Resp: 47894
Ion Ratio Lower Upper
128 100
49 164.5 114.7 213.1
130 123.2 89.0 165.2
51 49.5 42.3 63.5

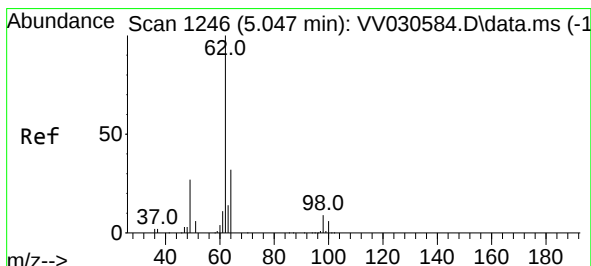
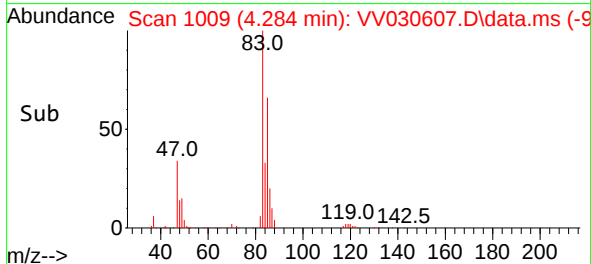
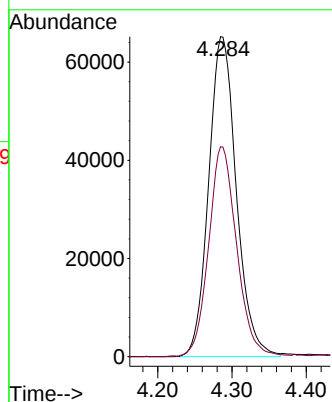
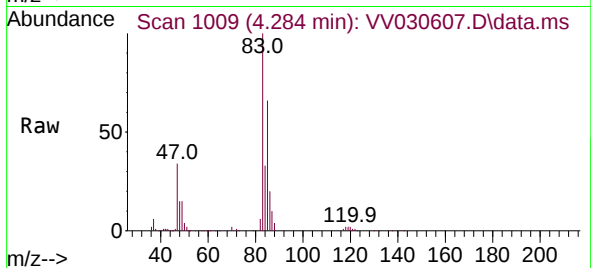




#25
Chloroform
Concen: 49.918 ug/L
RT: 4.284 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

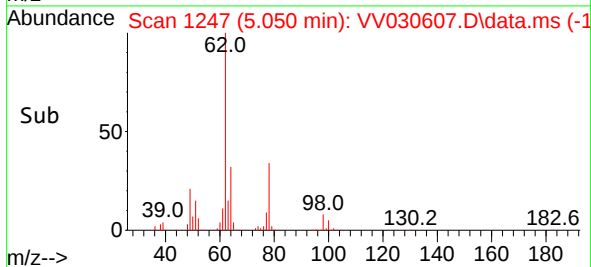
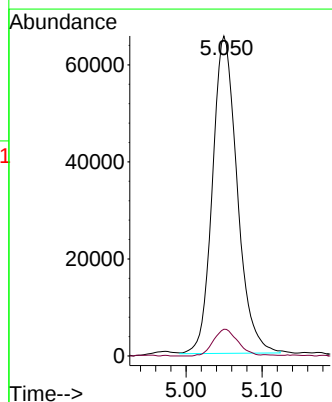
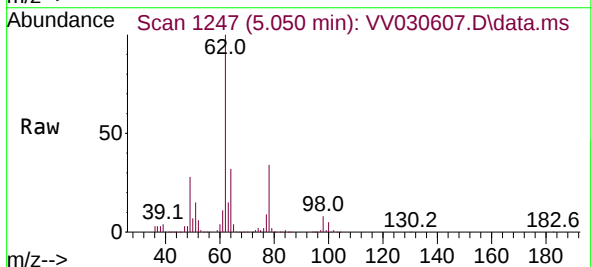
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

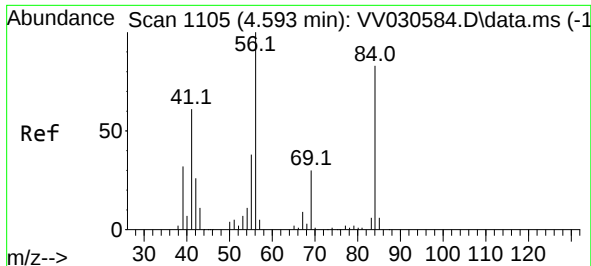
Tgt Ion: 83 Resp: 169014
Ion Ratio Lower Upper
83 100
85 65.6 45.8 85.2



#27
1,2-Dichloroethane
Concen: 51.647 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 62 Resp: 148026
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6





#29

Cyclohexane

Concen: 49.110 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050288

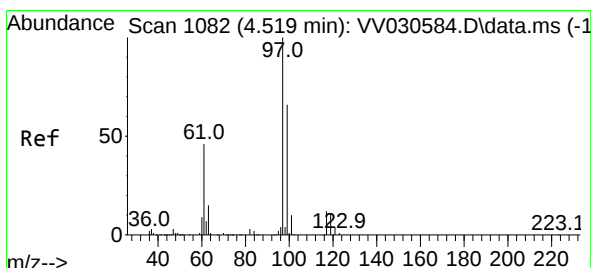
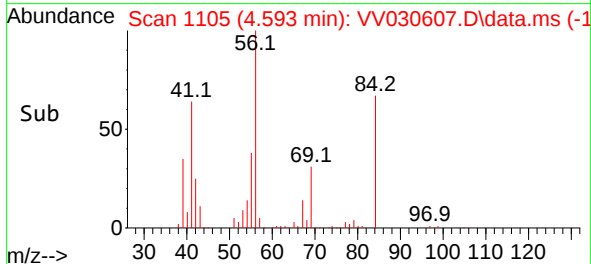
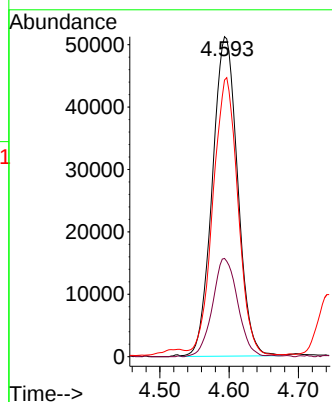
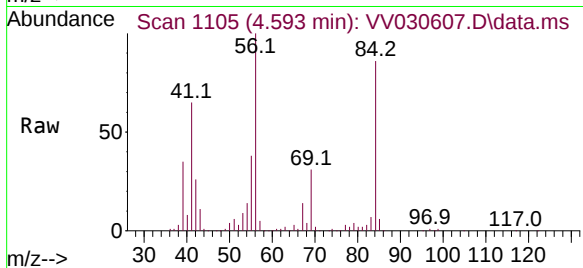
Tgt Ion: 56 Resp: 129924

Ion Ratio Lower Upper

56 100

69 30.5 24.0 36.0

84 85.2 68.2 102.2



#30

1,1,1-Trichloroethane

Concen: 50.411 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

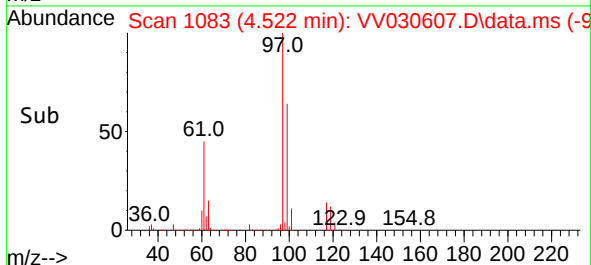
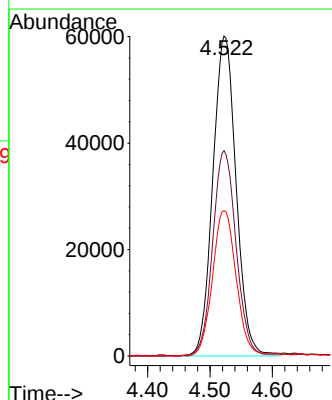
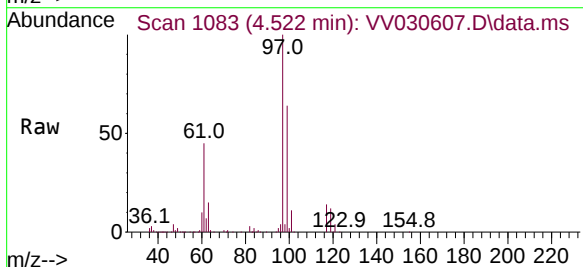
Tgt Ion: 97 Resp: 156161

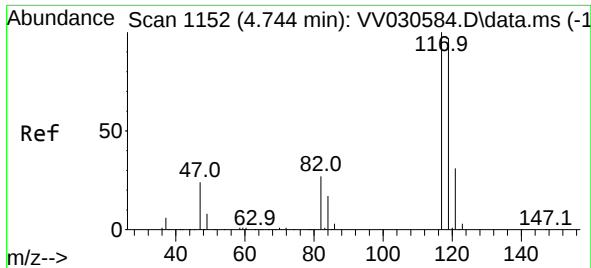
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 45.5 37.0 55.6

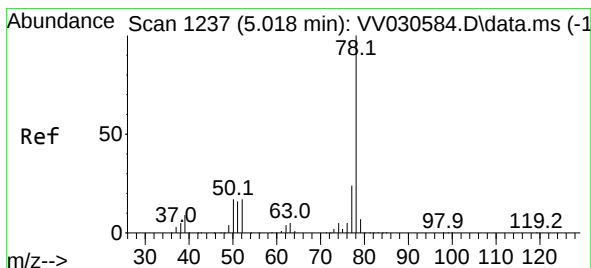
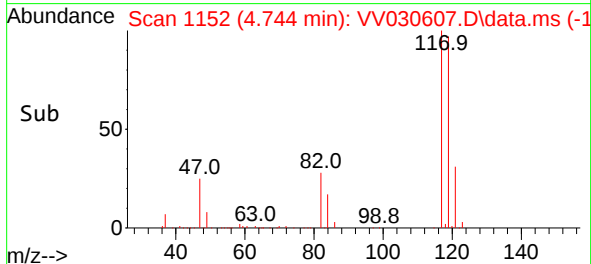
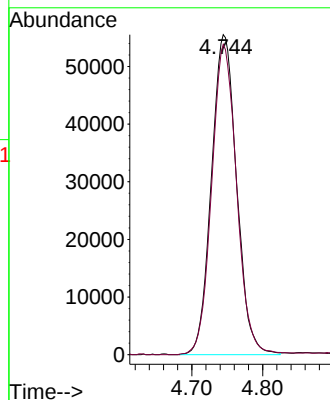
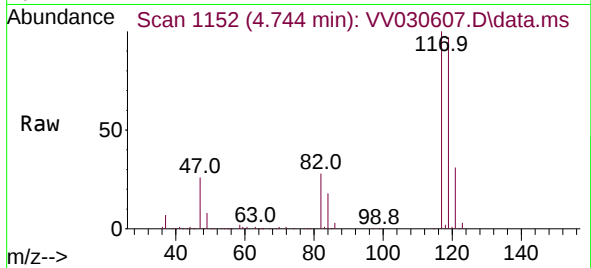




#31
Carbon tetrachloride
Concen: 49.512 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

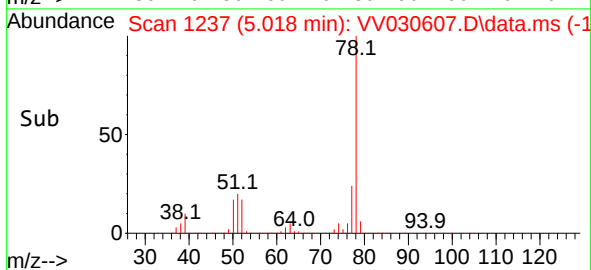
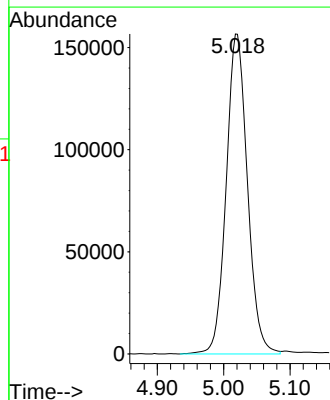
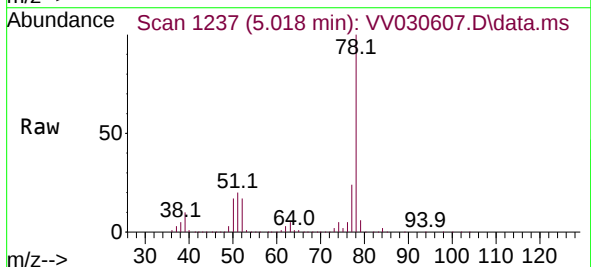
Instrument : MSVOA_V
ClientSampleId : VSTD050288

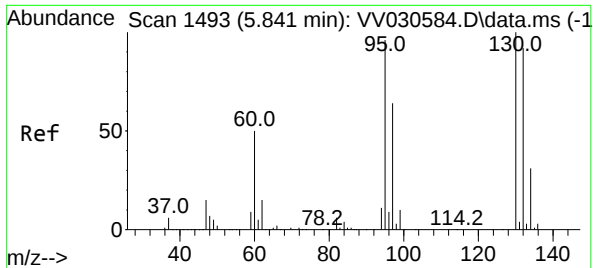
Tgt Ion:117 Resp: 137130
Ion Ratio Lower Upper
117 100
119 96.4 75.9 113.9



#33
Benzene
Concen: 52.130 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 78 Resp: 348988



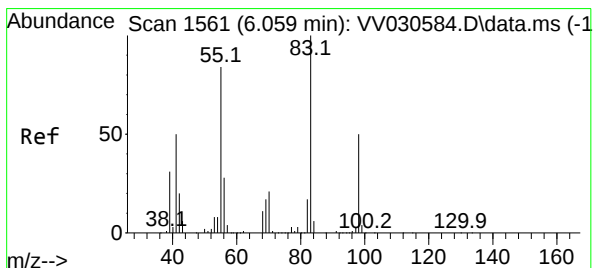
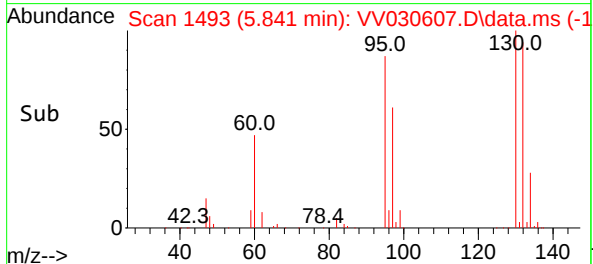
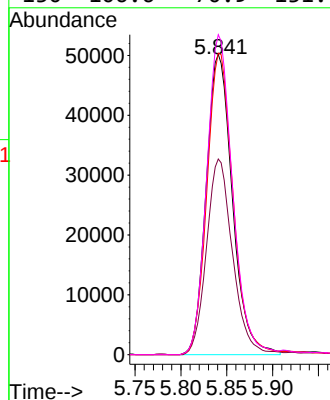
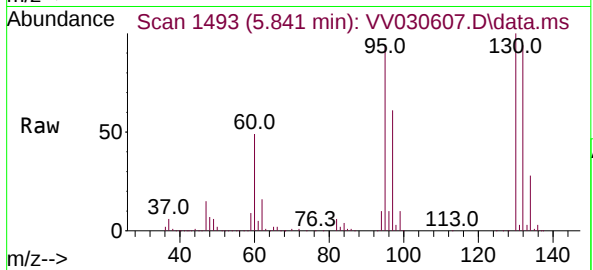


#34
Trichloroethene
Concen: 57.338 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

Tgt Ion: 95 Resp: 99845

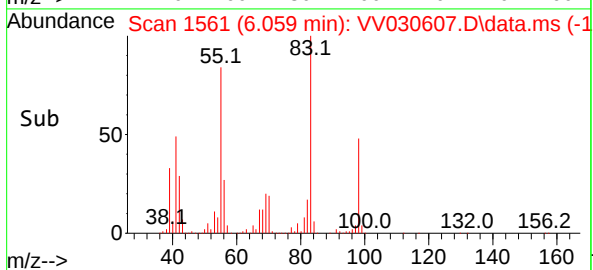
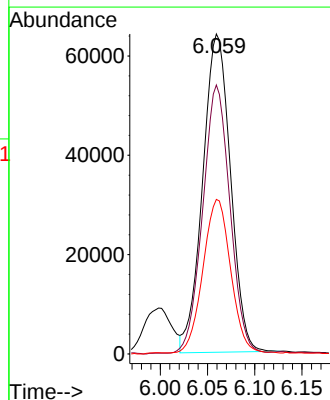
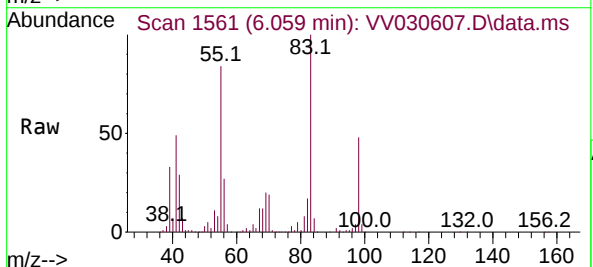
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.8	85.2
132	100.5	70.6	131.2
130	106.6	70.9	131.7

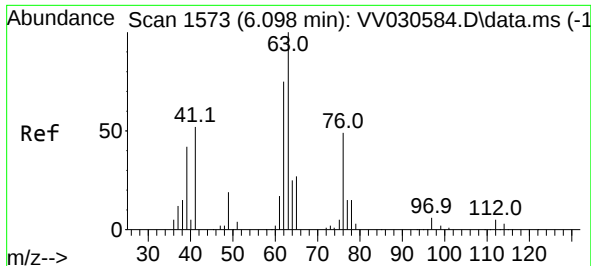


#35
Methylcyclohexane
Concen: 48.090 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 83 Resp: 131214

Ion	Ratio	Lower	Upper
83	100		
55	82.4	65.5	98.3
98	48.1	38.7	58.1





#37

1,2-Dichloropropane

Concen: 52.366 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

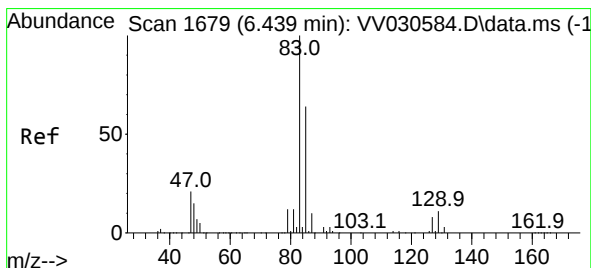
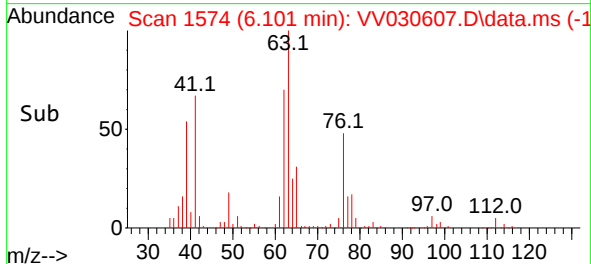
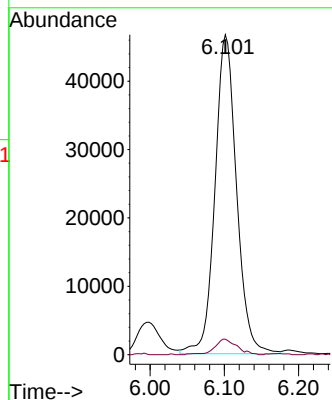
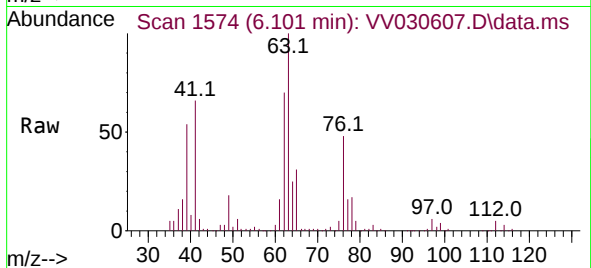
VSTD050288

Tgt Ion: 63 Resp: 94358

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.8



#38

Bromodichloromethane

Concen: 49.854 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

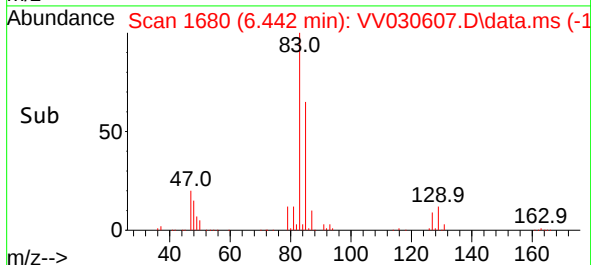
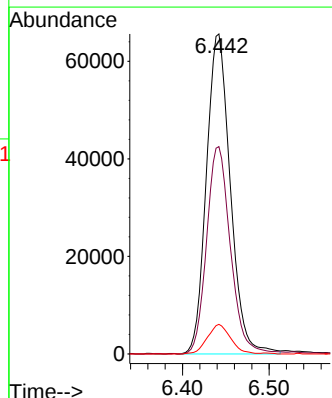
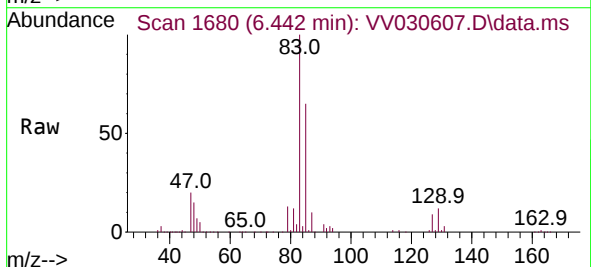
Tgt Ion: 83 Resp: 126192

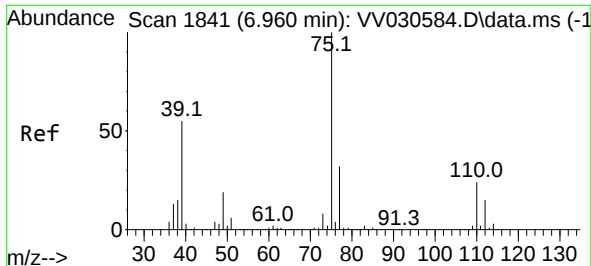
Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4

127 9.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 48.855 ug/L

RT: 6.963 min Scan# 1841

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

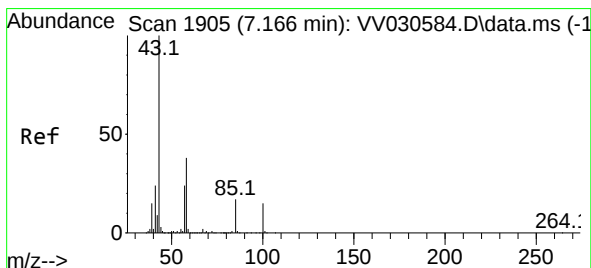
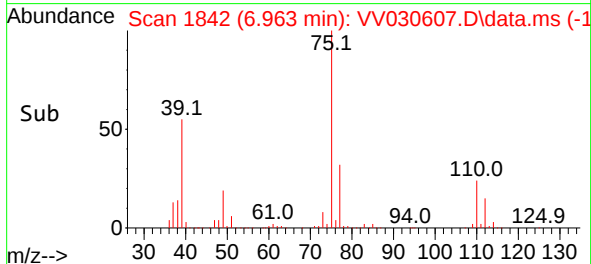
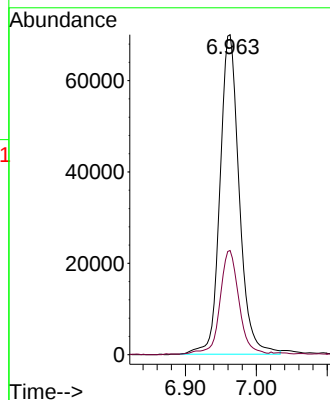
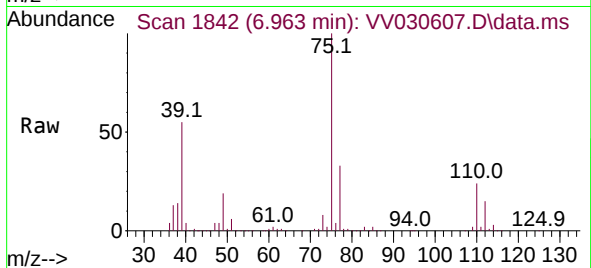
VSTD050288

Tgt Ion: 75 Resp: 132123

Ion Ratio Lower Upper

75 100

77 32.6 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 104.705 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

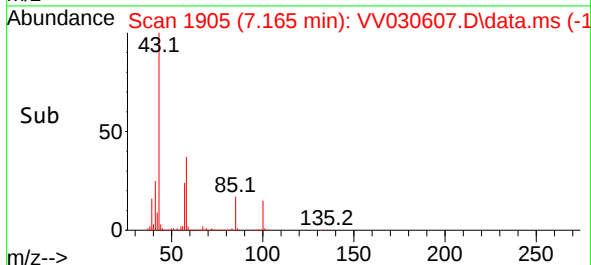
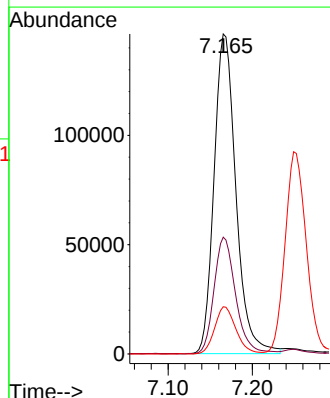
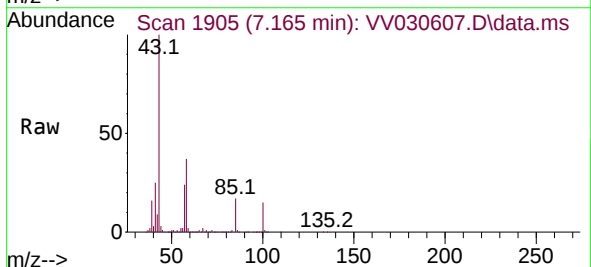
Tgt Ion: 43 Resp: 263548

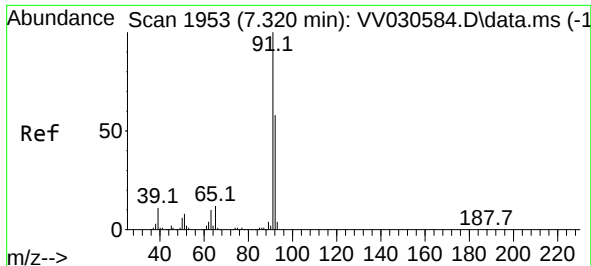
Ion Ratio Lower Upper

43 100

58 35.9 29.2 43.8

100 14.4 11.3 16.9





#42

Toluene

Concen: 53.080 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

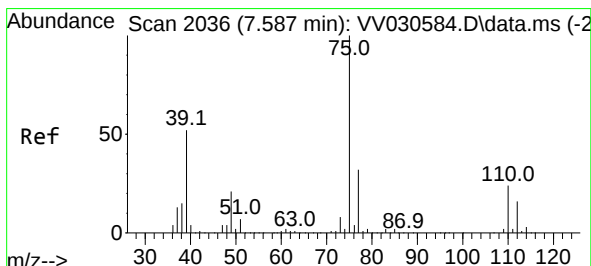
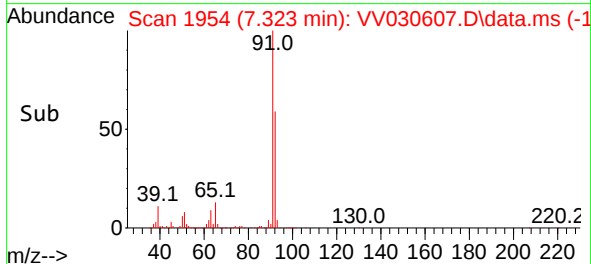
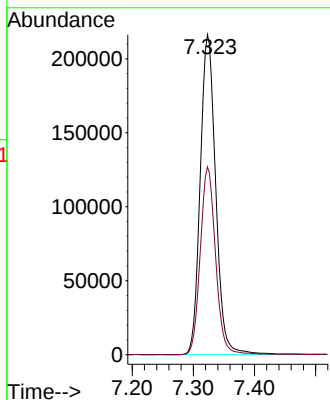
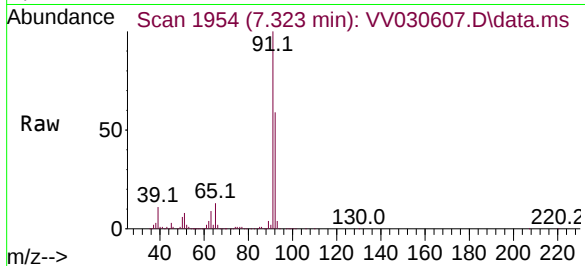
VSTD050288

Tgt Ion: 91 Resp: 380616

Ion Ratio Lower Upper

91 100

92 58.7 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 48.971 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030607.D

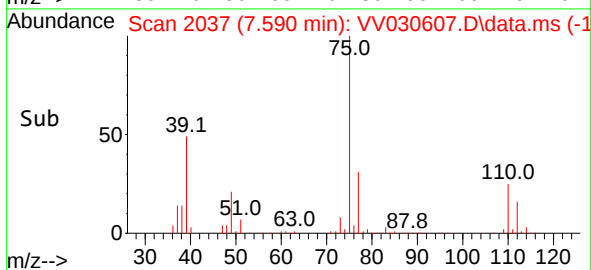
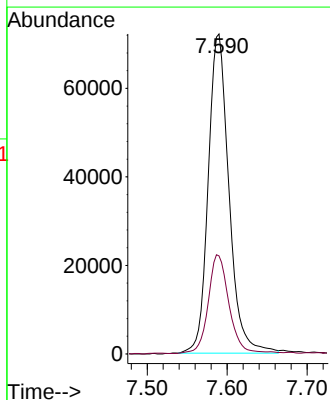
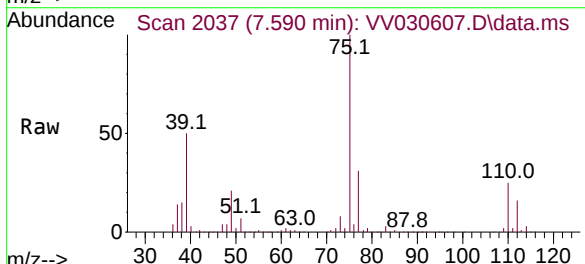
Acq: 17 Apr 2023 23:52

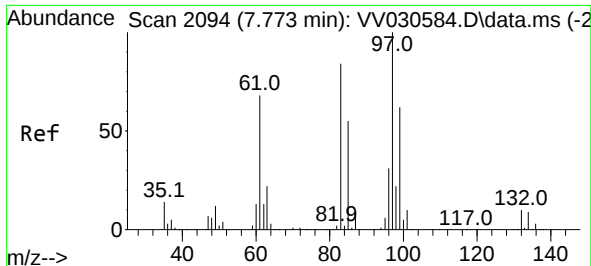
Tgt Ion: 75 Resp: 130114

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1

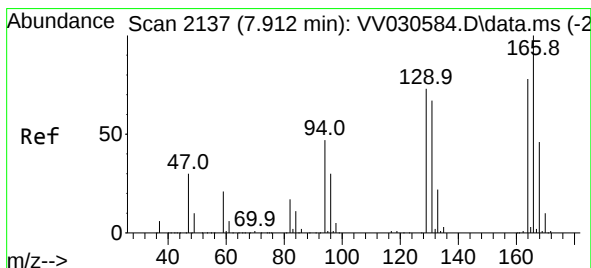
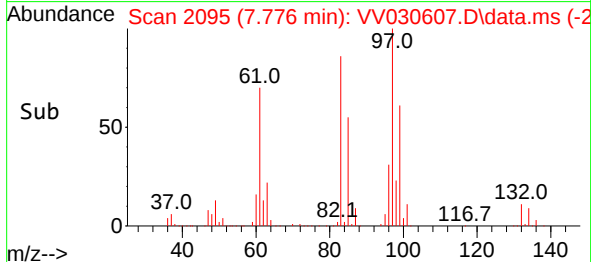
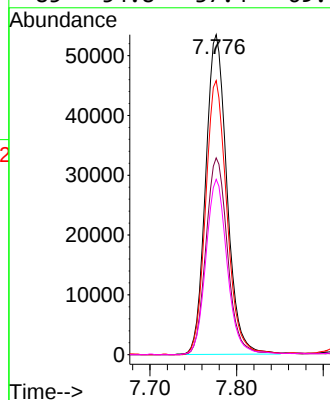
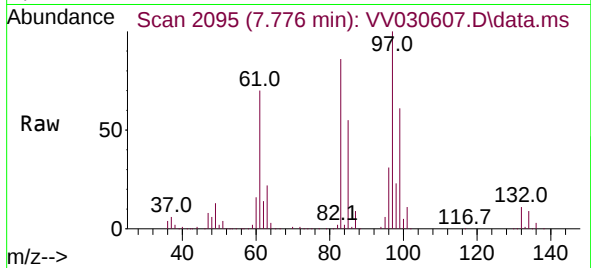




#45
1,1,2-Trichloroethane
Concen: 50.591 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

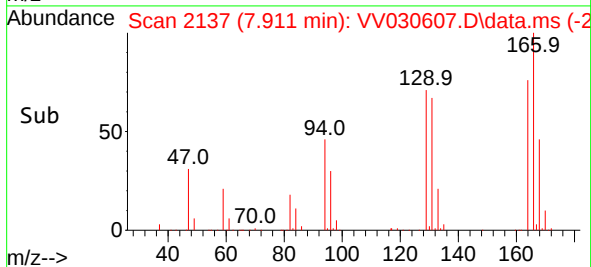
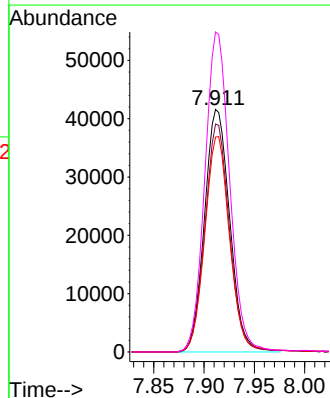
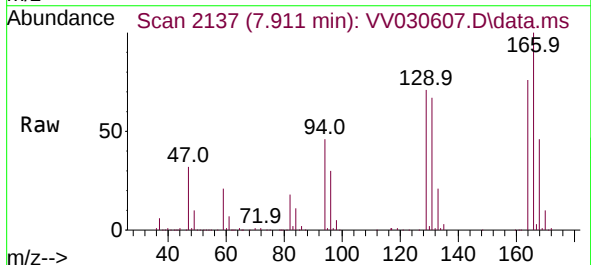
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

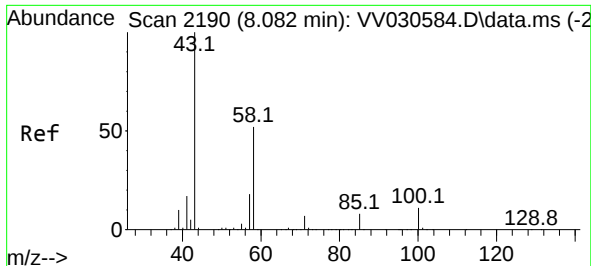
Tgt Ion:	97	Resp:	91410
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.8	81.4
83	85.7	59.6	110.6
85	54.8	37.4	69.4



#46
Tetrachloroethene
Concen: 47.692 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion:	164	Resp:	72692
Ion	Ratio	Lower	Upper
164	100		
129	94.0	63.8	118.6
131	88.6	60.3	111.9
166	131.9	89.5	166.1

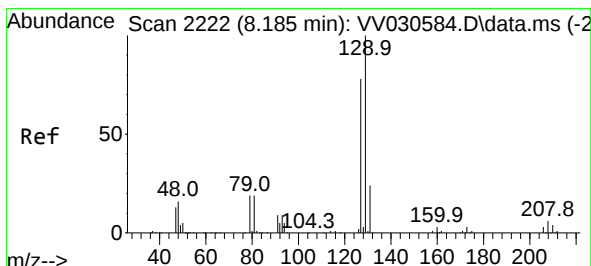
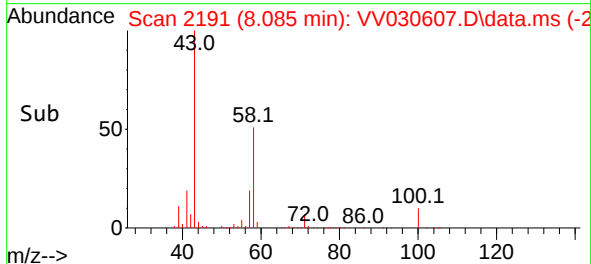
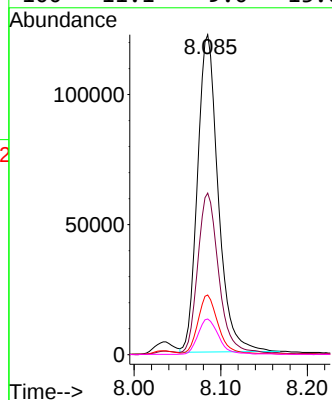
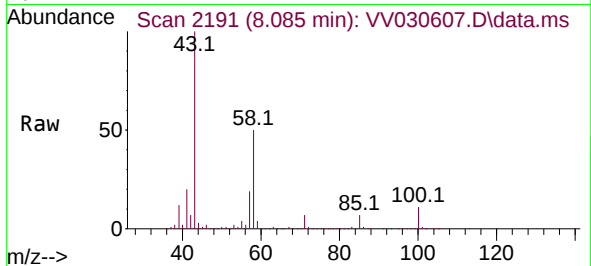




#48
2-Hexanone
Concen: 97.786 ug/L
RT: 8.085 min Scan# 2190
Delta R.T. 0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

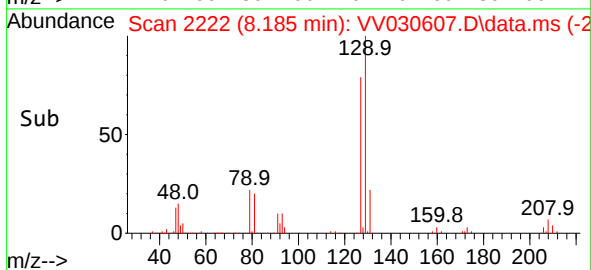
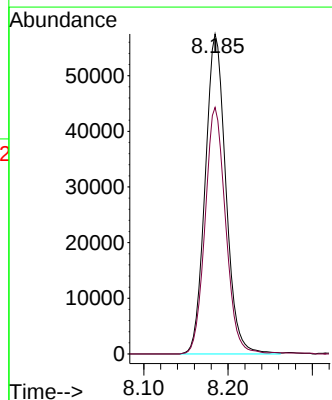
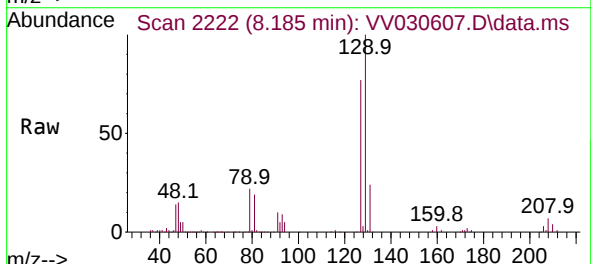
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

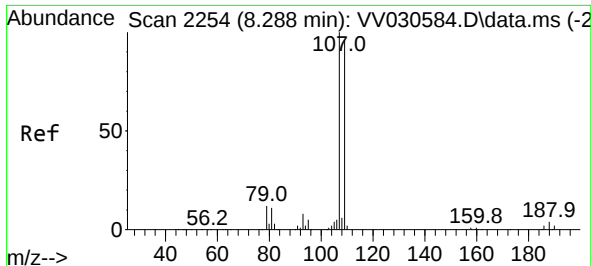
Tgt Ion: 43 Resp: 203088
Ion Ratio Lower Upper
43 100
58 50.9 41.4 62.0
57 17.8 14.9 22.3
100 11.1 9.0 13.6



#49
Dibromochloromethane
Concen: 49.150 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 129 Resp: 97955
Ion Ratio Lower Upper
129 100
127 77.1 52.8 98.2





#50

1,2-Dibromoethane

Concen: 50.618 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050288

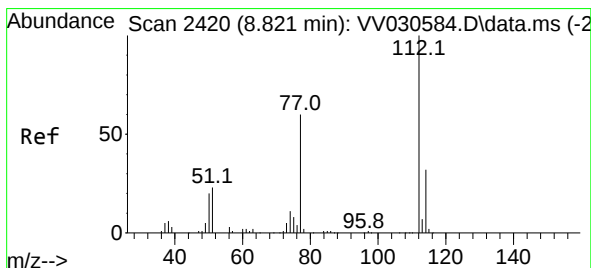
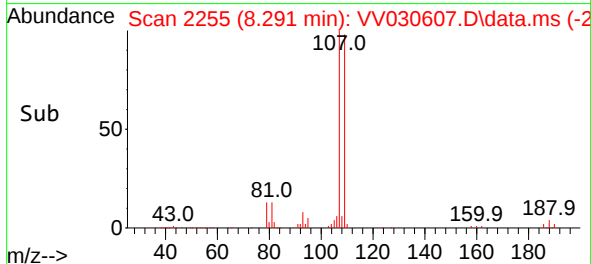
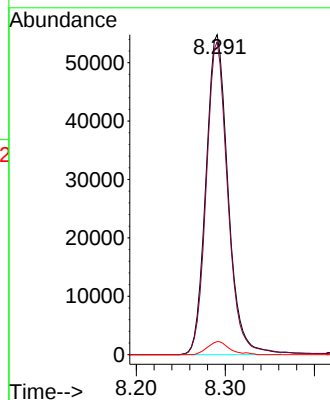
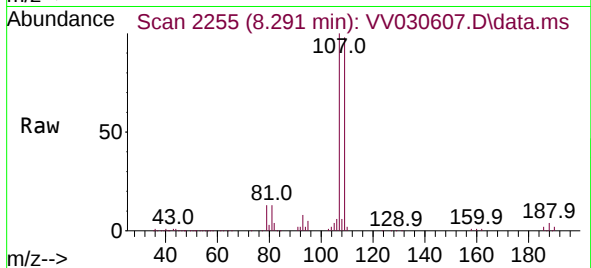
Tgt Ion:107 Resp: 94764

Ion Ratio Lower Upper

107 100

109 97.8 65.7 121.9

188 4.1 3.2 4.8



#51

Chlorobenzene

Concen: 49.848 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

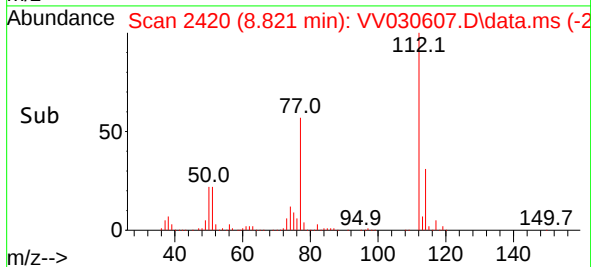
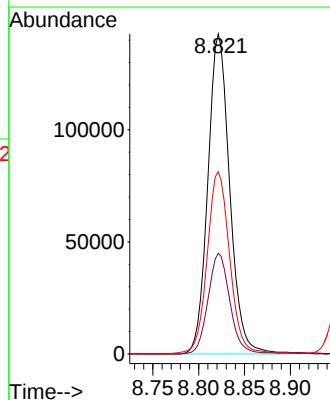
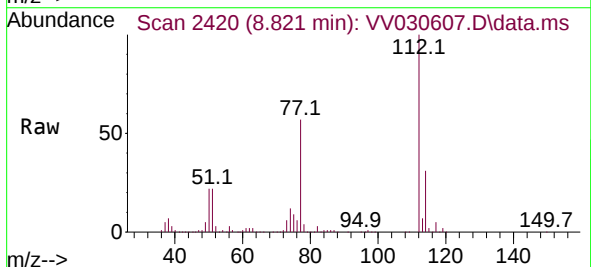
Tgt Ion:112 Resp: 236726

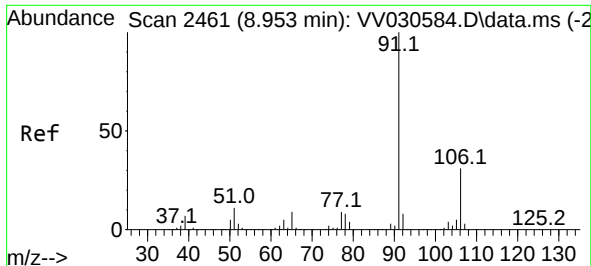
Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 56.9 47.4 71.0

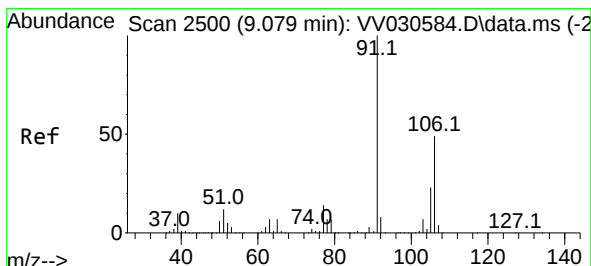
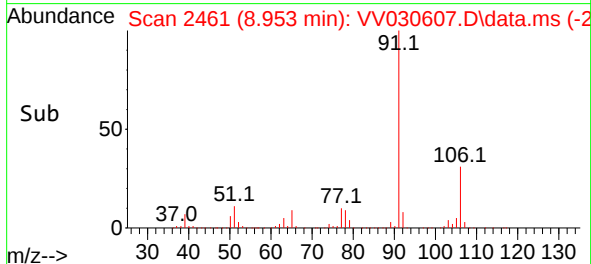
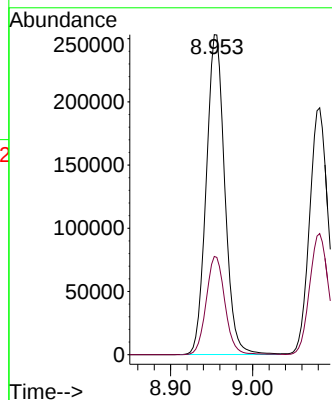
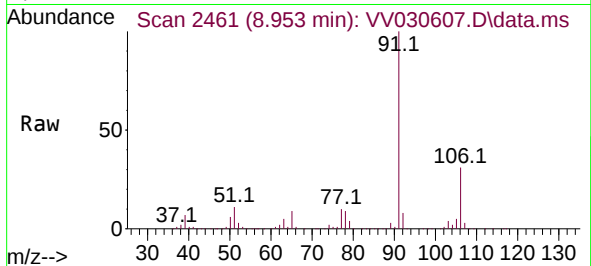




#52
Ethylbenzene
Concen: 50.115 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

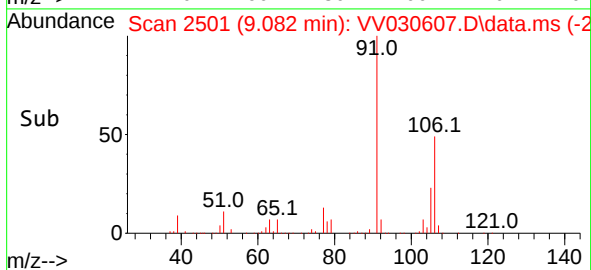
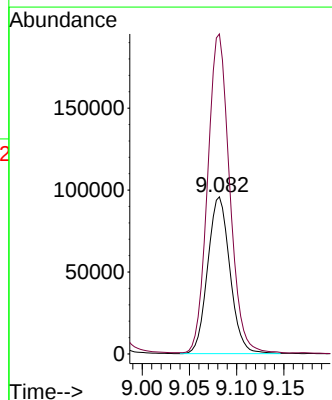
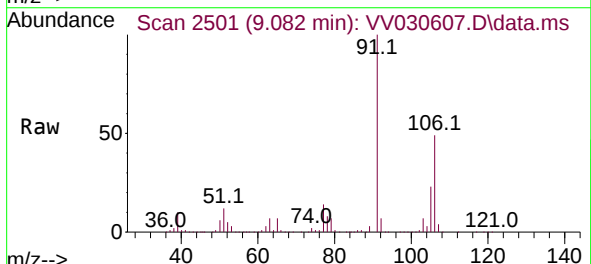
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

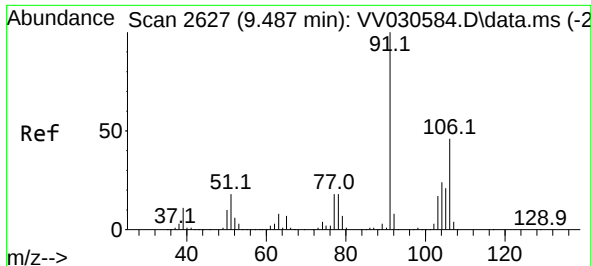
Tgt Ion: 91 Resp: 397830
Ion Ratio Lower Upper
91 100
106 30.7 21.8 40.4



#53
m,p-Xylene
Concen: 52.238 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 106 Resp: 156634
Ion Ratio Lower Upper
106 100
91 203.7 144.7 268.7

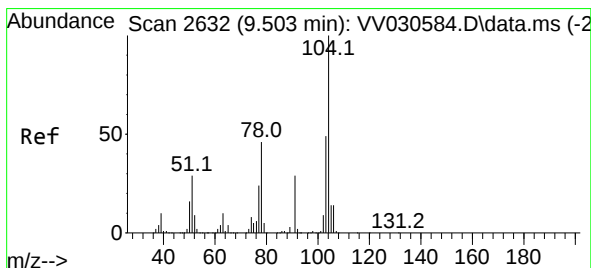
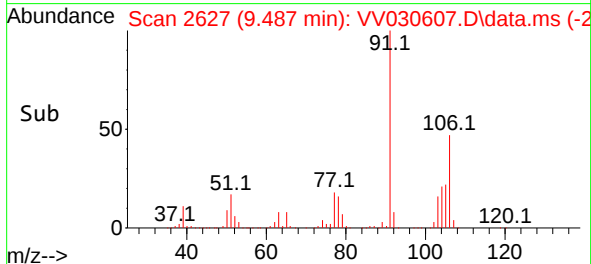
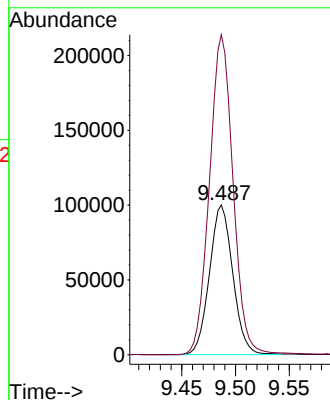
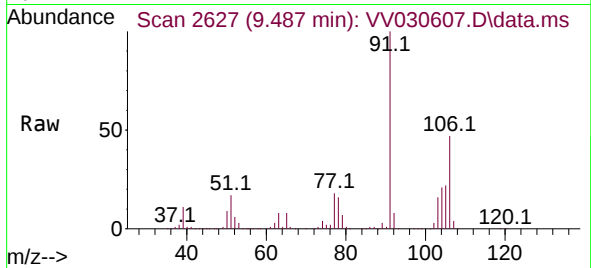




#54
o-Xylene
Concen: 51.605 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

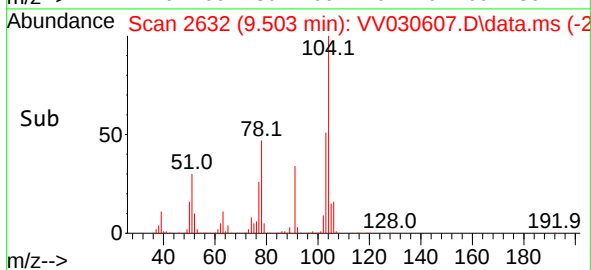
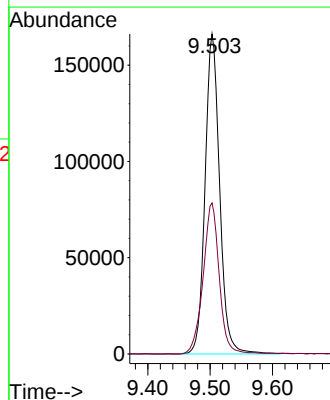
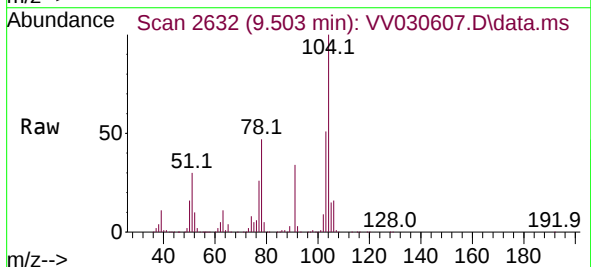
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

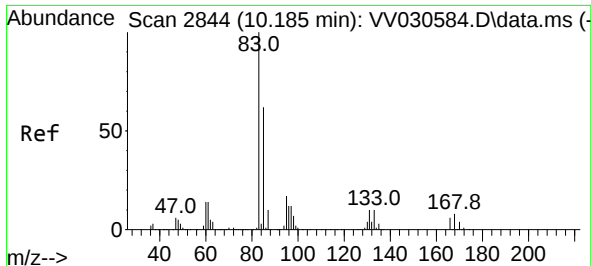
Tgt Ion:106 Resp: 151376
Ion Ratio Lower Upper
106 100
91 213.8 152.6 283.4



#55
Styrene
Concen: 52.550 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion:104 Resp: 270775
Ion Ratio Lower Upper
104 100
78 47.2 32.3 59.9





#57

1,1,2,2-Tetrachloroethane

Concen: 51.076 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050288

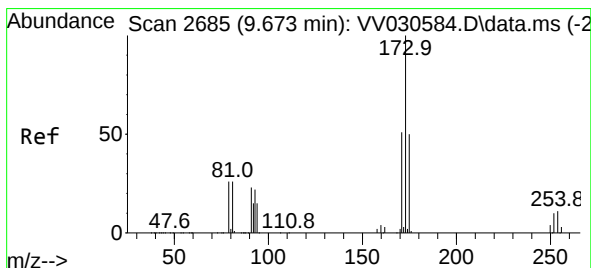
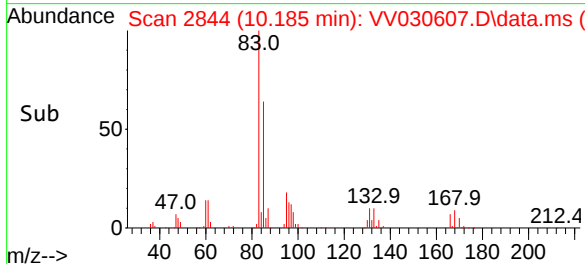
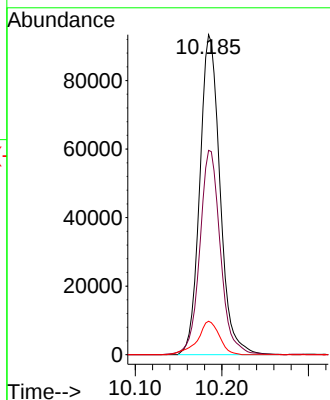
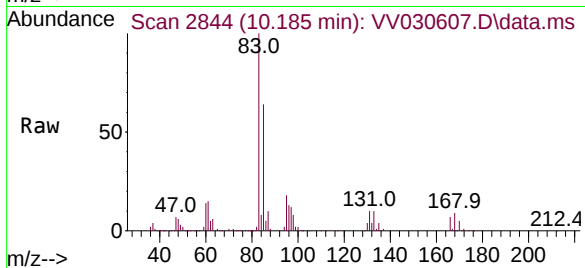
Tgt Ion: 83 Resp: 151519

Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.7

131 10.4 8.0 12.0



#59

Bromoform

Concen: 52.049 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

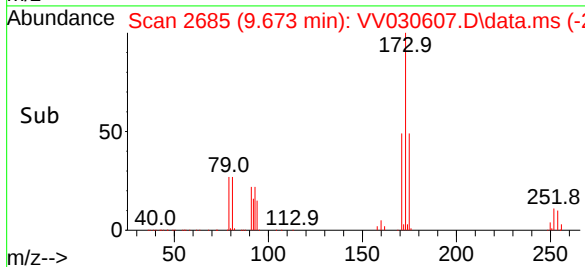
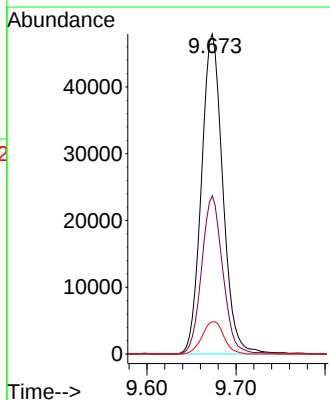
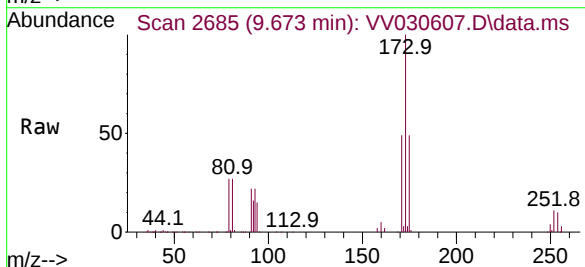
Tgt Ion: 173 Resp: 79714

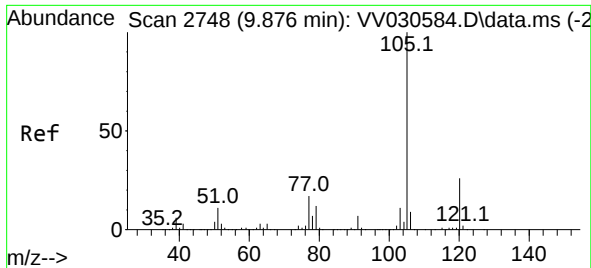
Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 10.3 8.2 12.4

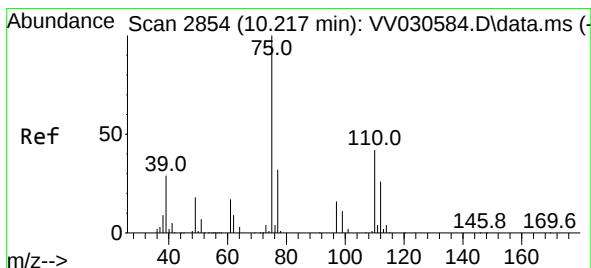
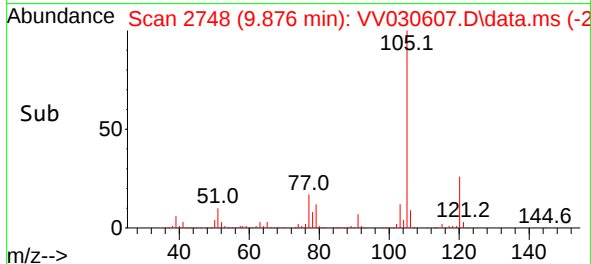
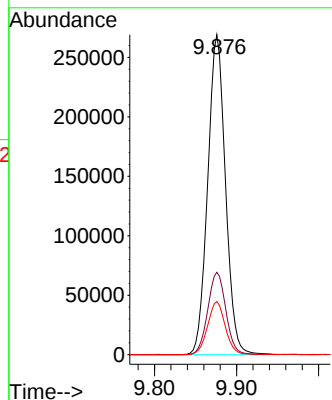
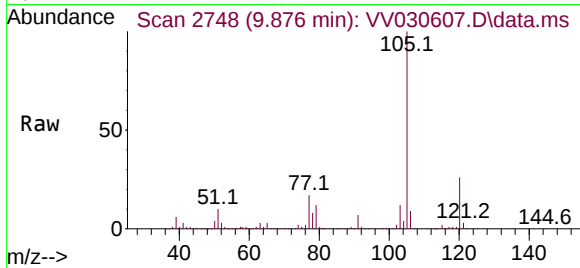




#60
Isopropylbenzene
Concen: 53.076 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

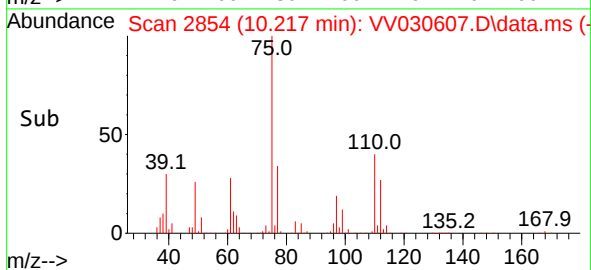
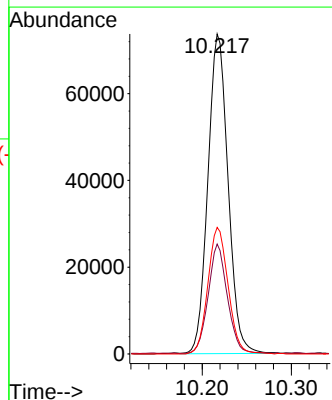
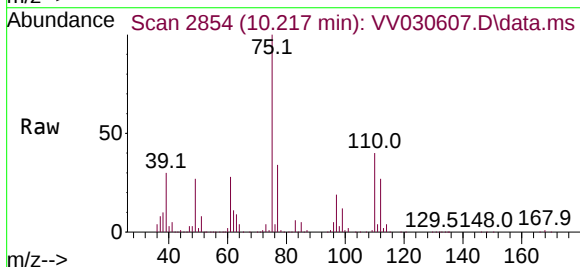
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

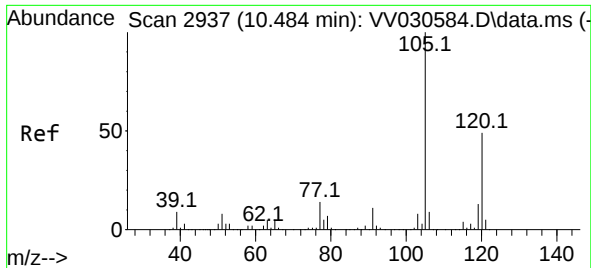
Tgt Ion:105 Resp: 404913
Ion Ratio Lower Upper
105 100
120 26.2 20.9 31.3
77 16.5 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 52.878 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 75 Resp: 115851
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
110 39.7 32.8 49.2

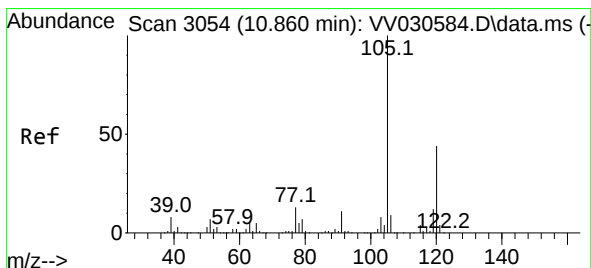
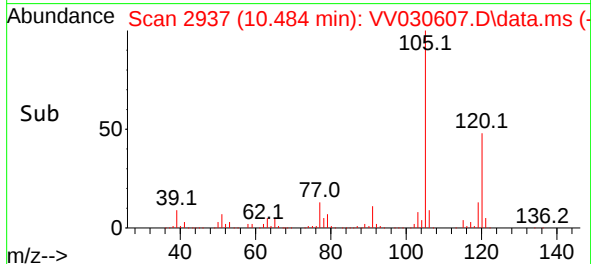
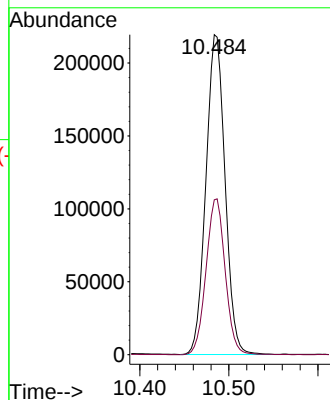
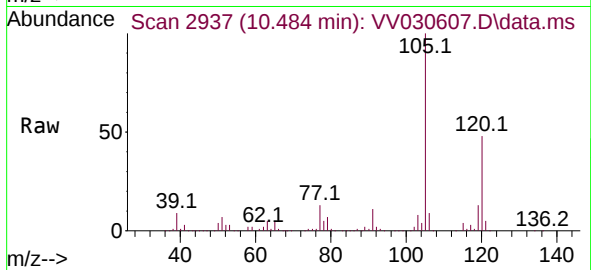




#62
 1,3,5-Trimethylbenzene
 Concen: 52.043 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

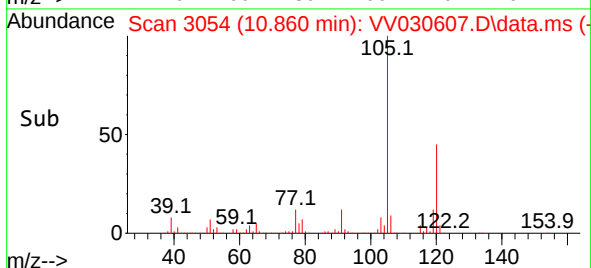
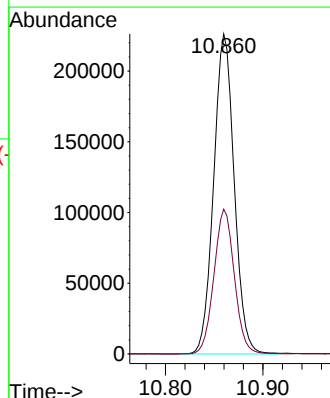
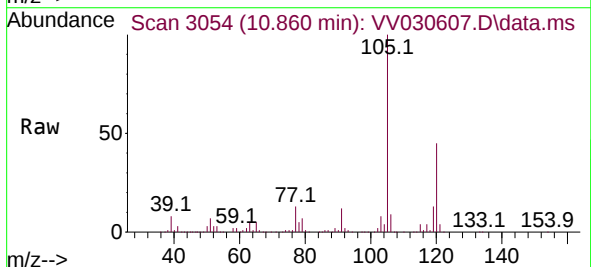
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050288

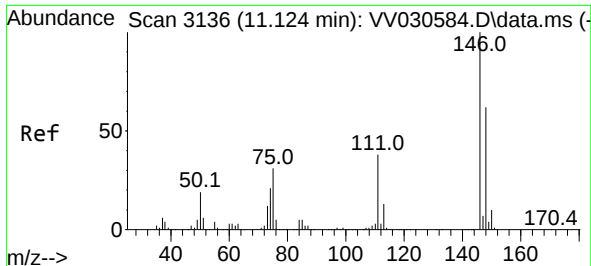
Tgt Ion:105 Resp: 326892
 Ion Ratio Lower Upper
 105 100
 120 48.7 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 52.849 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV030607.D
 Acq: 17 Apr 2023 23:52

Tgt Ion:105 Resp: 331441
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.2 54.4

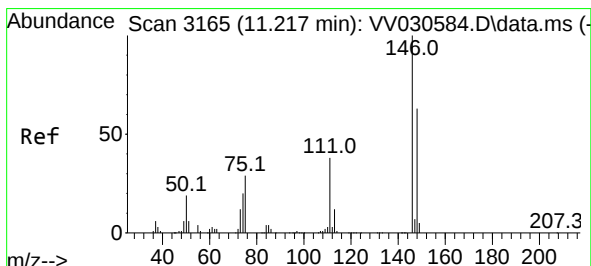
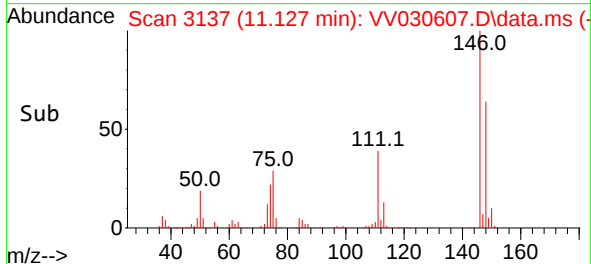
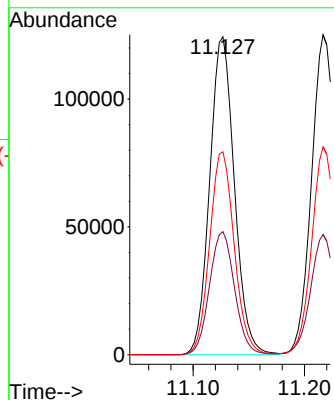
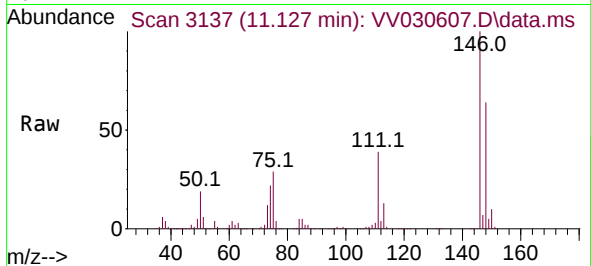




#64
1,3-Dichlorobenzene
Concen: 50.181 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

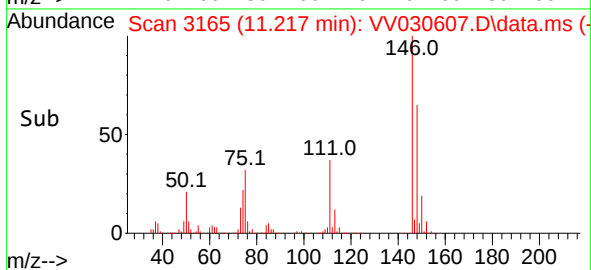
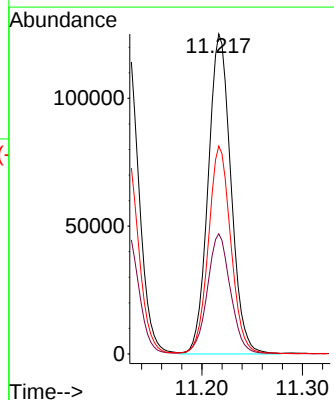
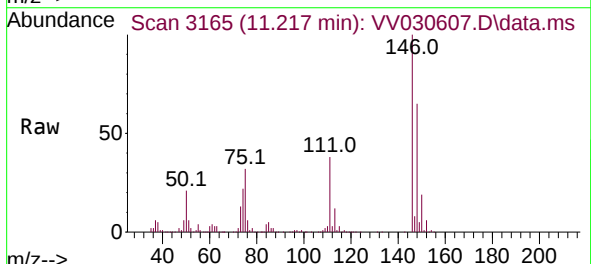
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

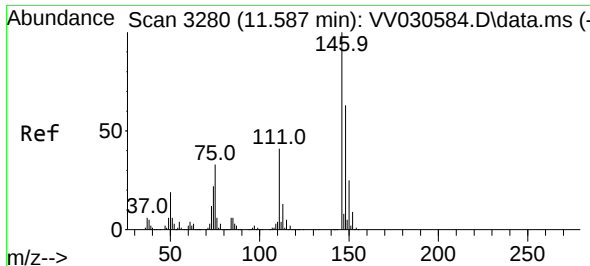
Tgt Ion:146 Resp: 191666
Ion Ratio Lower Upper
146 100
111 38.7 27.0 50.2
148 63.8 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 48.884 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion:146 Resp: 196887
Ion Ratio Lower Upper
146 100
111 37.6 26.5 49.1
148 64.9 44.7 83.1

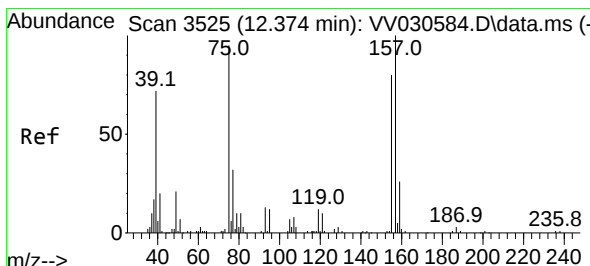
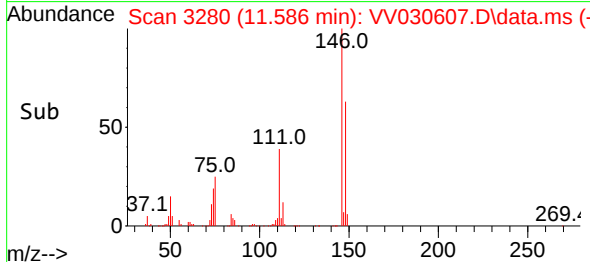
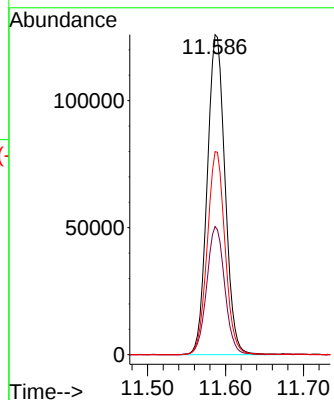
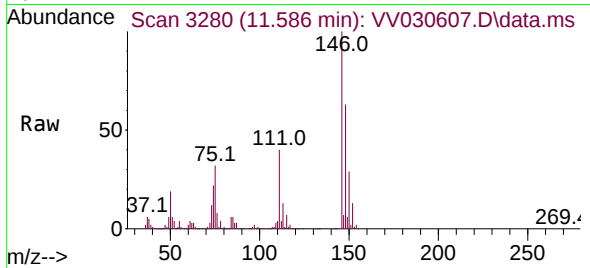




#67
1,2-Dichlorobenzene
Concen: 51.994 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

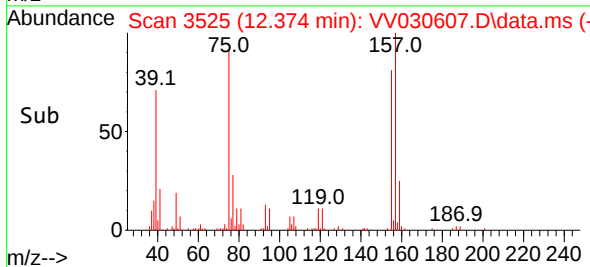
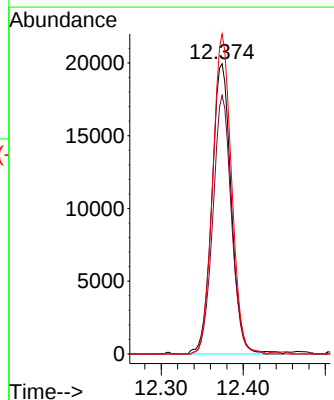
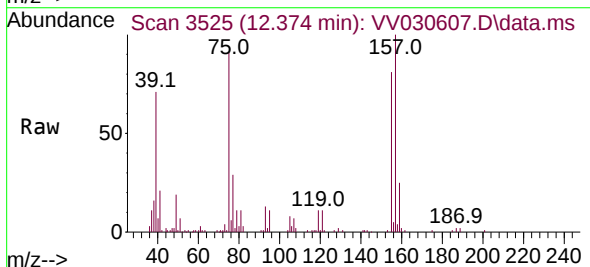
Instrument :
MSVOA_V
ClientSampleId :
VSTD050288

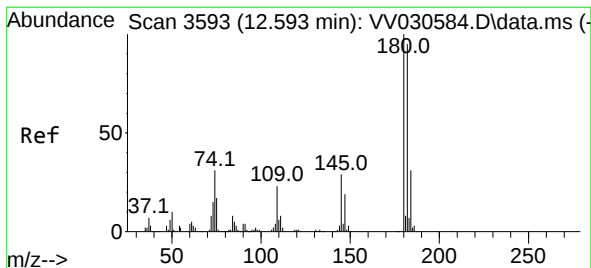
Tgt Ion:146 Resp: 200344
Ion Ratio Lower Upper
146 100
111 40.0 32.0 48.0
148 63.4 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 50.555 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV030607.D
Acq: 17 Apr 2023 23:52

Tgt Ion: 75 Resp: 32816
Ion Ratio Lower Upper
75 100
155 89.1 65.0 97.6
157 110.2 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 47.694 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050288

Tgt Ion:180 Resp: 137608

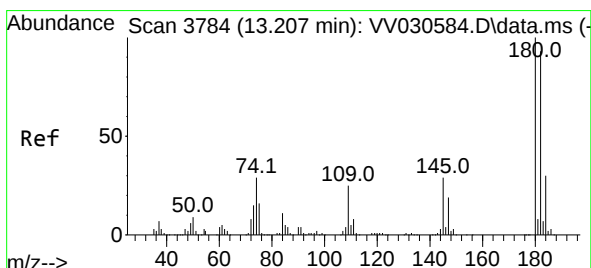
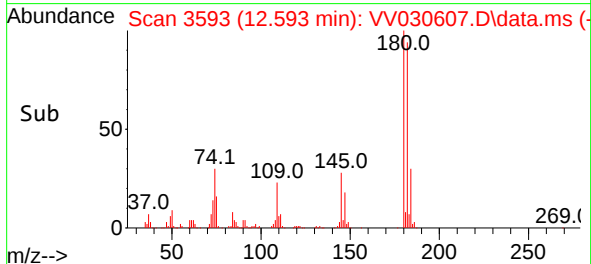
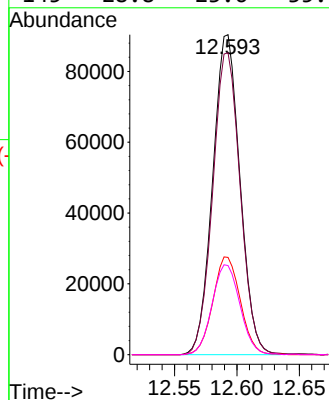
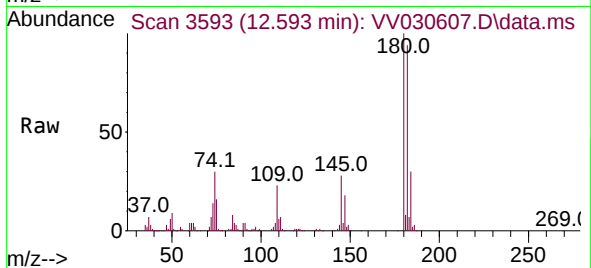
Ion Ratio Lower Upper

180 100

182 95.3 76.4 114.6

184 30.8 24.1 36.1

145 28.8 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 47.227 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

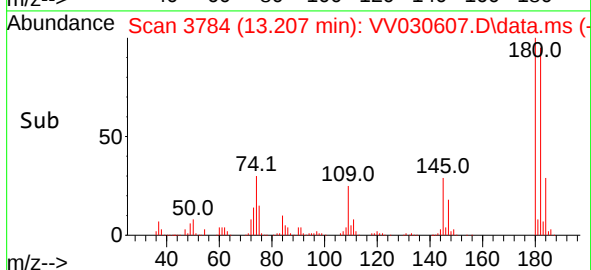
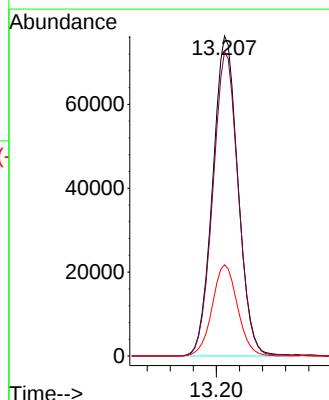
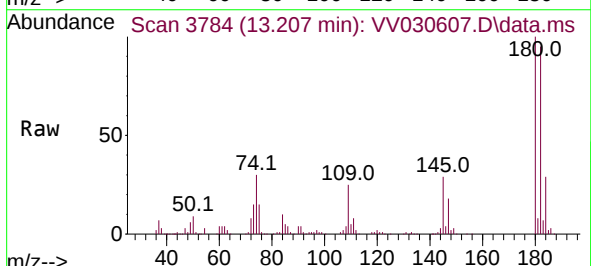
Tgt Ion:180 Resp: 115695

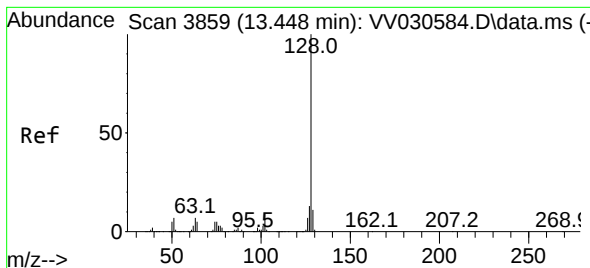
Ion Ratio Lower Upper

180 100

182 95.6 75.9 113.9

145 28.6 23.4 35.2





#71

Naphthalene

Concen: 49.474 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050288

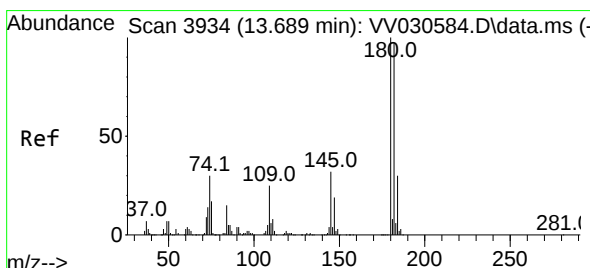
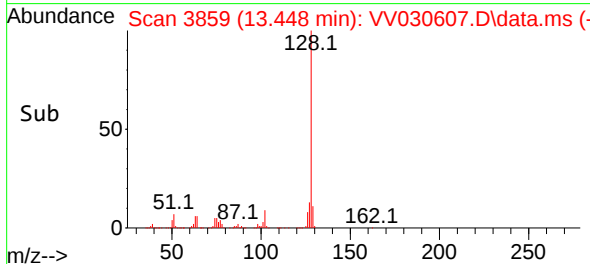
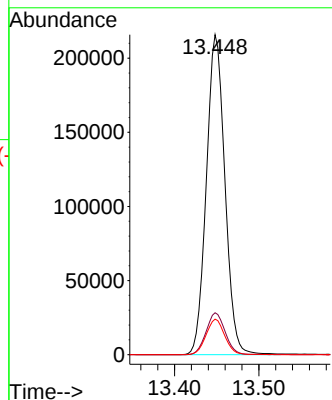
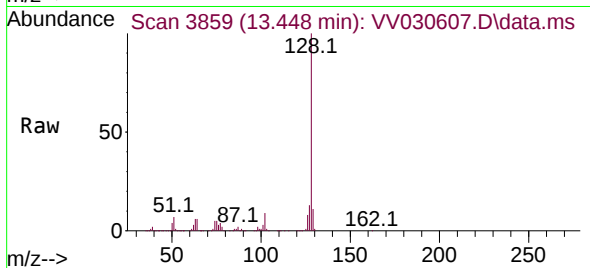
Tgt Ion:128 Resp: 331538

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 11.2 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.057 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030607.D

Acq: 17 Apr 2023 23:52

Tgt Ion:180 Resp: 124027

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

145 32.2 25.1 37.7

