

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060123\
 Data File : VW031321.D
 Acq On : 01 Jun 2023 16:26
 Operator : SY/MD
 Sample : VSTD0.558
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5258

Quant Time: Jun 02 02:06:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 02 02:03:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	134613	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	134335	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	63980	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	6135	0.520	ug/L	0.00
7) Chloroethane-d5	1.535	69	5140	0.428	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	3105	0.516	ug/L	0.00
20) 2-Butanone-d5	3.850	46	7047	1.908	ug/L	0.02
24) Chloroform-d	4.262	84	10436	0.398	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.963	65	5362	0.385	ug/L	0.00
32) Benzene-d6	4.976	84	17781	0.382	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.005	67	6061	0.372	ug/L	0.00
41) Toluene-d8	7.255	98	14747	0.351	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.571	79	1859	0.338	ug/L	0.00
46) 2-Hexanone-d5	8.050	63	6224	2.467	ug/L	0.01
56) 1,1,2,2-Tetrachloroeth...	10.162	84	4573	0.363	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.570	152	6333	0.493	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	8543	0.404	ug/L	100
3) Chloromethane	1.214	50	9570	0.475	ug/L	99
5) Vinyl chloride	1.285	62	8604	0.425	ug/L	98
6) Bromomethane	1.490	94	5083	0.450	ug/L	91
8) Chloroethane	1.552	64	5623	0.444	ug/L	93
9) Trichlorofluoromethane	1.716	101	12719	0.420	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	7014	0.414	ug/L	97
12) 1,1-Dichloroethene	2.072	96	6412	0.448	ug/L	95
13) Acetone	2.137	43	20572	6.192	ug/L	85
14) Carbon disulfide	2.246	76	17646	0.411	ug/L	97
15) Methyl Acetate	2.397	43	3420	0.569	ug/L #	84
16) Methylene chloride	2.455	84	7135	0.369	ug/L	89
17) Methyl tert-butyl Ether	2.712	73	13450	0.434	ug/L	96
18) trans-1,2-Dichloroethene	2.703	96	5769	0.426	ug/L	93
19) 1,1-Dichloroethane	3.121	63	13346	0.445	ug/L	96
21) 2-Butanone	3.921	43	24697	5.846	ug/L	84
22) cis-1,2-Dichloroethene	3.831	96	6007	0.426	ug/L	96
23) Bromochloromethane	4.162	128	2916	0.460	ug/L	92
25) Chloroform	4.291	83	13167	0.419	ug/L	92
27) 1,2-Dichloroethane	5.066	62	7832	0.450	ug/L #	91
29) 1,1,1-Trichloroethane	4.522	97	11582	0.446	ug/L	97
30) Cyclohexane	4.593	56	8995	0.373	ug/L	91
31) Carbon tetrachloride	4.748	117	10598	0.457	ug/L	93
33) Benzene	5.024	78	23778	0.421	ug/L	100
34) Trichloroethene	5.847	95	6692	0.432	ug/L	93
35) Methylcyclohexane	6.059	83	8978	0.393	ug/L	94
37) 1,2-Dichloropropane	6.108	63	7349	0.485	ug/L #	95
38) Bromodichloromethane	6.448	83	9048	0.441	ug/L #	94
39) cis-1,3-Dichloropropene	6.973	75	8432	0.408	ug/L #	83
40) 4-Methyl-2-pentanone	7.175	43	33082	3.639	ug/L	91
42) Toluene	7.326	91	22844	0.388	ug/L	96
44) trans-1,3-Dichloropropene	7.596	75	7074	0.413	ug/L	99

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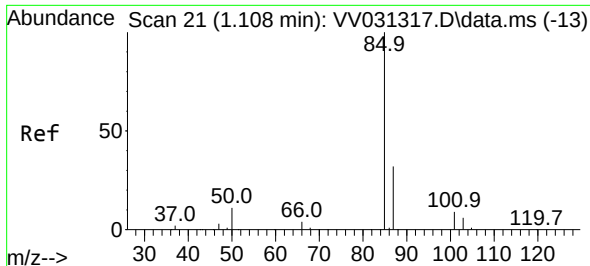
Instrument :
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Quant Time: Jun 02 02:06:32 2023
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.783	97	4913	0.463	ug/L	94
47) Tetrachloroethene	7.915	164	5304	0.450	ug/L	91
48) 2-Hexanone	8.095	43	22384	3.245	ug/L	97
49) Dibromochloromethane	8.188	129	5232	0.435	ug/L	95
50) 1,2-Dibromoethane	8.291	107	4193	0.412	ug/L #	89
51) Chlorobenzene	8.825	112	15723	0.435	ug/L	87
52) Ethylbenzene	8.956	91	22376	0.362	ug/L	99
53) m,p-Xylene	9.082	106	8036	0.362	ug/L	98
54) o-Xylene	9.487	106	7185	0.344	ug/L	90
55) Styrene	9.506	104	13020	0.352	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	5421	0.428	ug/L #	89
59) Bromoform	9.677	173	2615	0.442	ug/L #	96
60) Isopropylbenzene	9.876	105	20461	0.390	ug/L	97
61) 1,2,3-Trichloropropane	10.223	75	4542	0.552	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	17174	0.403	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	17113	0.392	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	11217	0.443	ug/L	95
65) 1,4-Dichlorobenzene	11.220	146	12640	0.495	ug/L	97
67) 1,2-Dichlorobenzene	11.590	146	11505	0.491	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.377	75	978	0.519	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	8960	0.479	ug/L	94
70) 1,2,4-trichlorobenzene	13.210	180	7730	0.558	ug/L	98
71) Naphthalene	13.451	128	13863	0.714	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	6904	0.540	ug/L	96

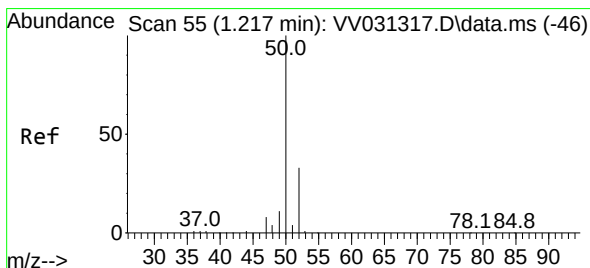
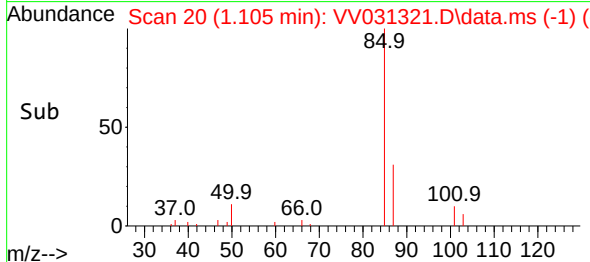
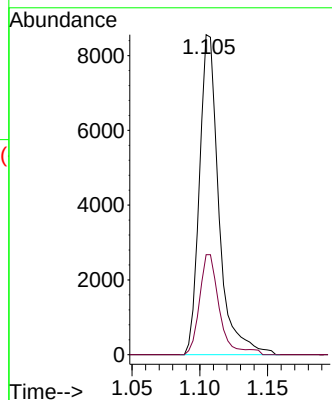
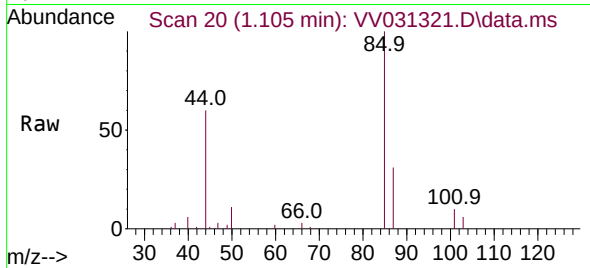
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 0.404 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
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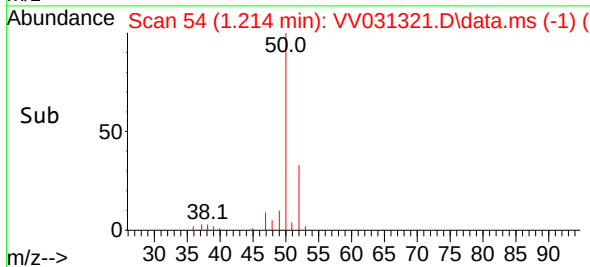
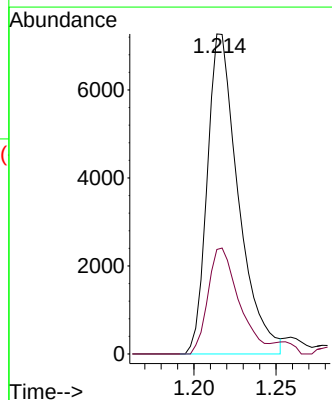
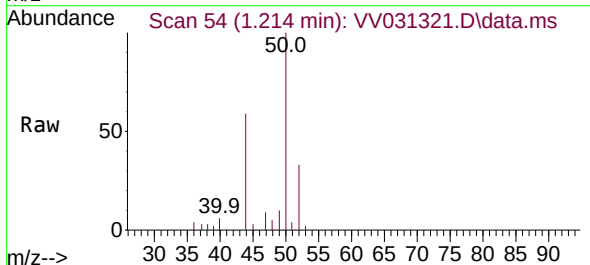
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5258

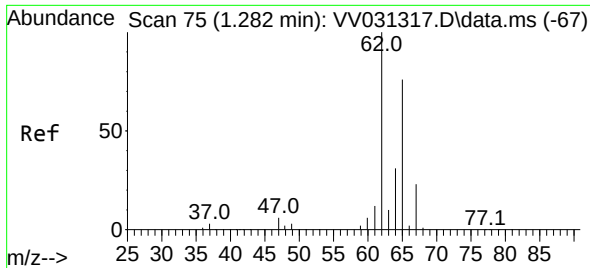
Tgt Ion: 85 Resp: 8543
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.6 38.4



#3
 Chloromethane
 Concen: 0.475 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031321.D
 Acq: 01 Jun 2023 16:26

Tgt Ion: 50 Resp: 9570
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.2 43.2

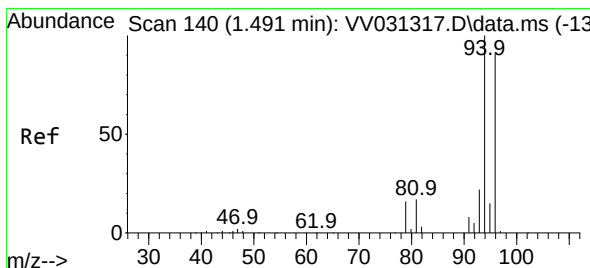
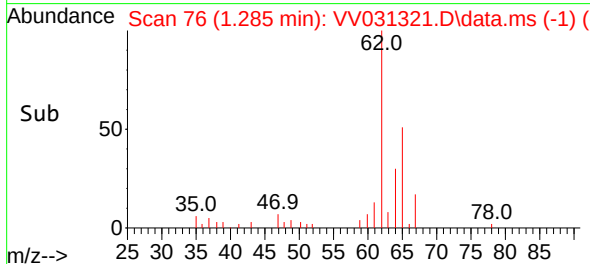
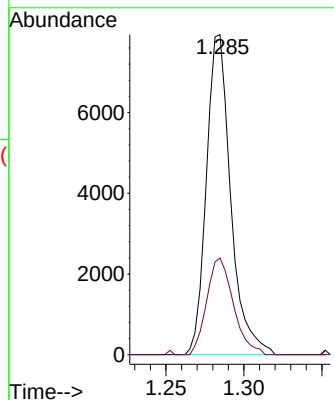
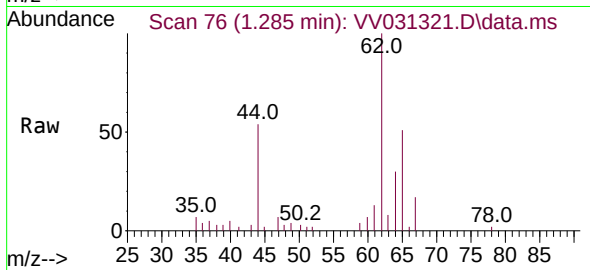




#5
 Vinyl chloride
 Concen: 0.425 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV031321.D
 Acq: 01 Jun 2023 16:26

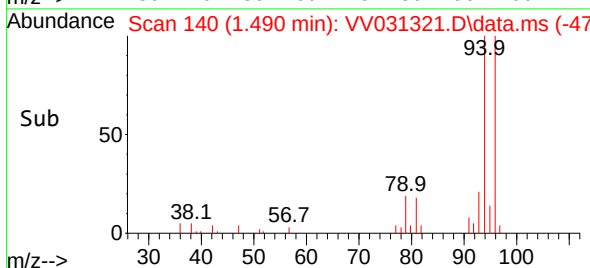
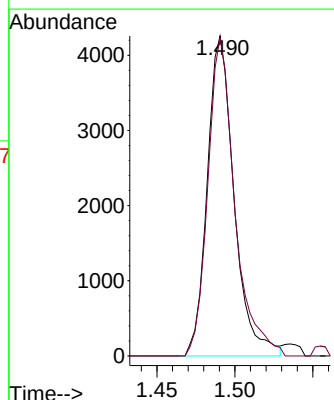
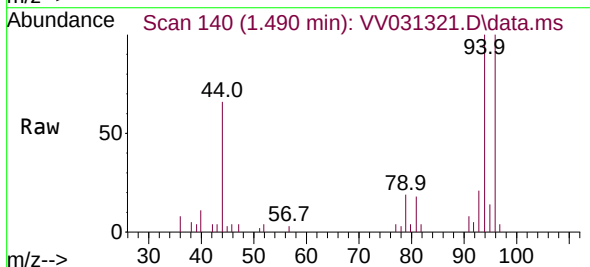
Instrument :
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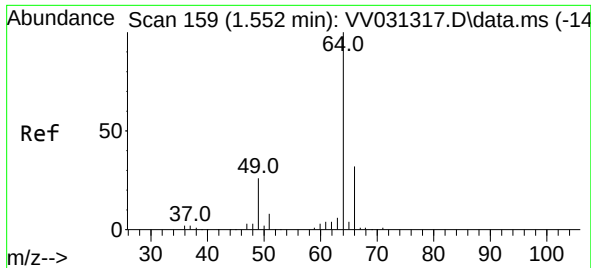
Tgt Ion: 62 Resp: 8604
 Ion Ratio Lower Upper
 62 100
 64 30.2 22.0 40.8



#6
 Bromomethane
 Concen: 0.450 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031321.D
 Acq: 01 Jun 2023 16:26

Tgt Ion: 94 Resp: 5083
 Ion Ratio Lower Upper
 94 100
 96 99.5 63.7 118.3

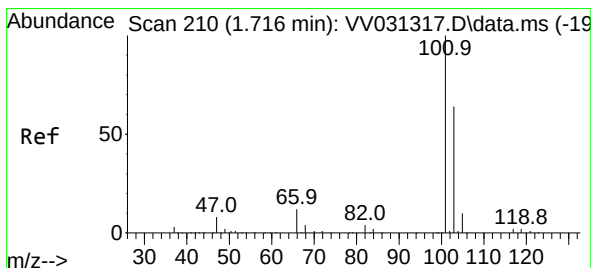
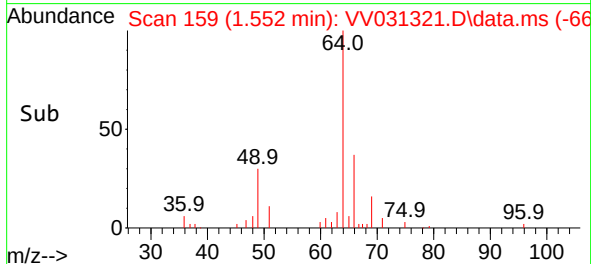
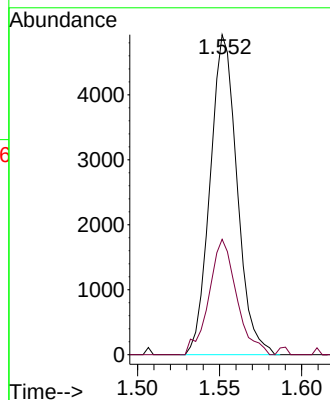
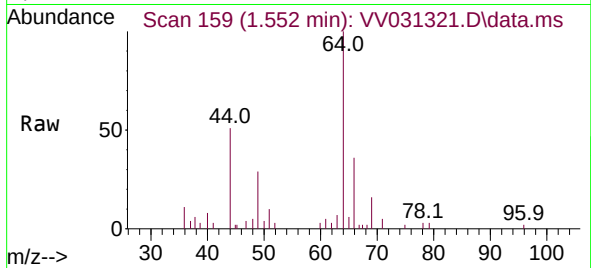




#8
Chloroethane
Concen: 0.444 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

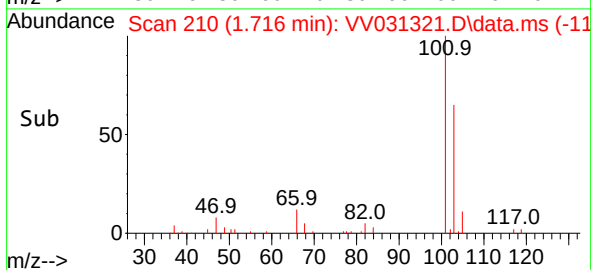
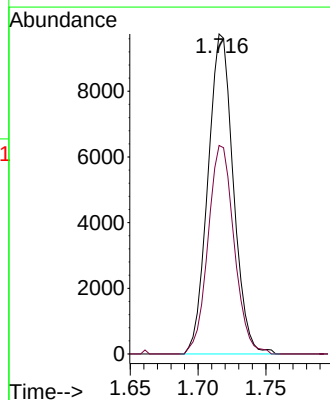
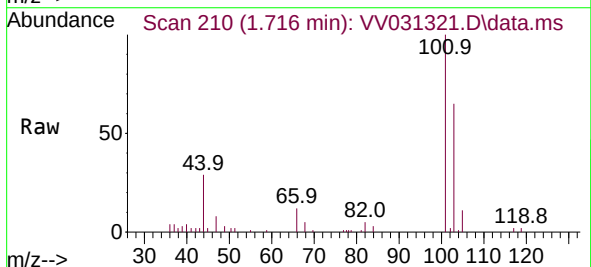
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ClientSampleId :
VSTD0.5258

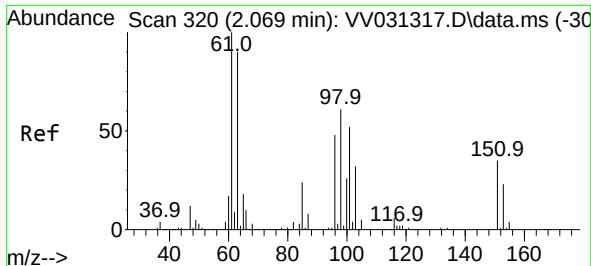
Tgt Ion: 64 Resp: 5623
Ion Ratio Lower Upper
64 100
66 36.0 22.5 41.9



#9
Trichlorofluoromethane
Concen: 0.420 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 101 Resp: 12719
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.414 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5258

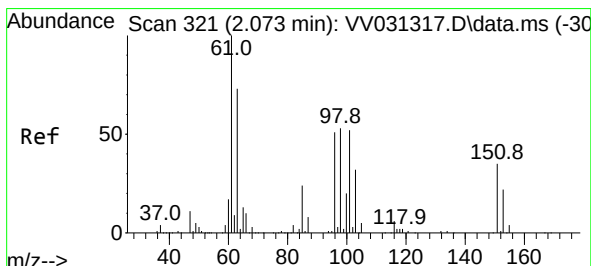
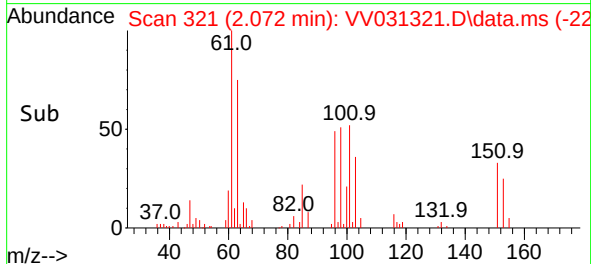
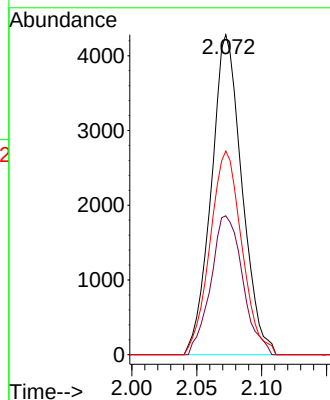
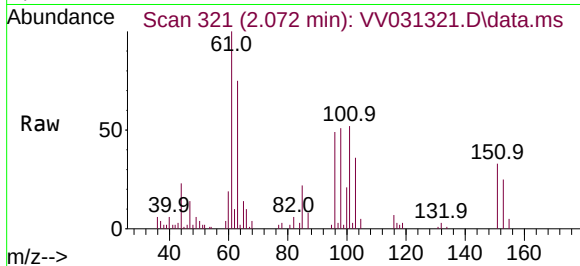
Tgt Ion:101 Resp: 7014

Ion Ratio Lower Upper

101 100

85 45.3 37.2 55.8

151 66.2 55.5 83.3



#12

1,1-Dichloroethene

Concen: 0.448 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

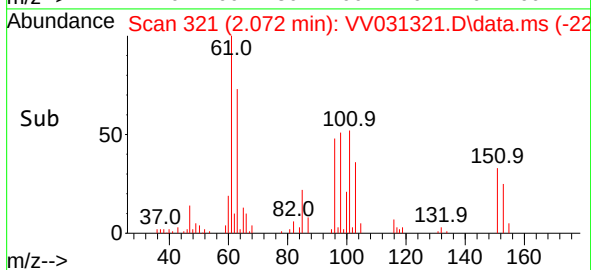
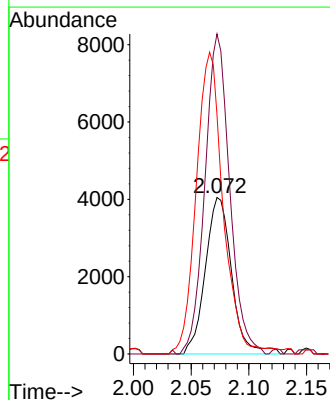
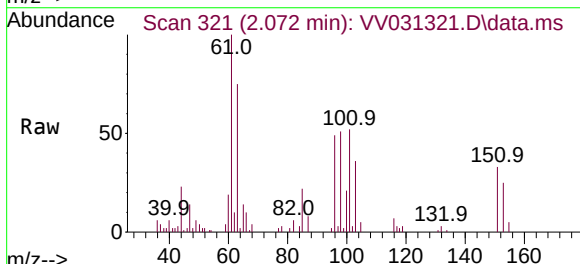
Tgt Ion: 96 Resp: 6412

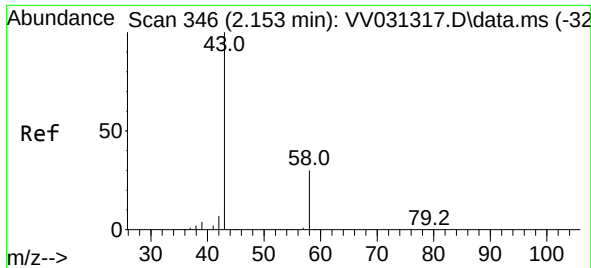
Ion Ratio Lower Upper

96 100

61 204.4 138.3 256.8

63 152.7 101.9 189.3





#13

Acetone

Concen: 6.192 ug/L

RT: 2.137 min Scan# 341

Delta R.T. -0.016 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

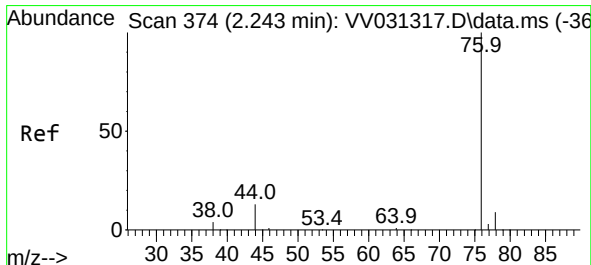
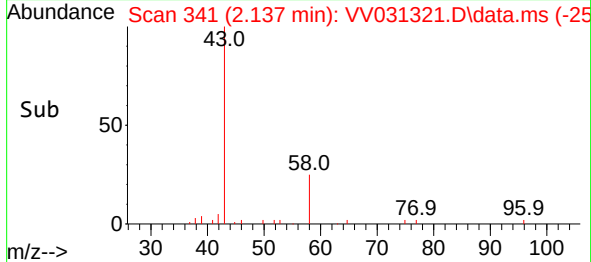
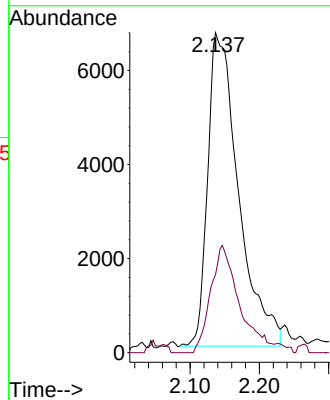
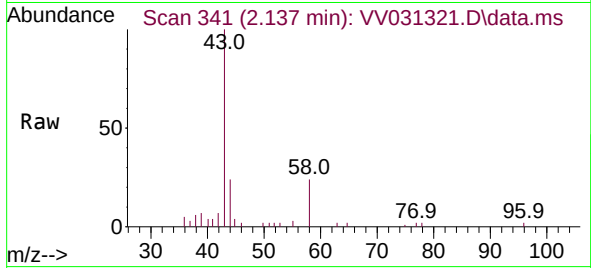
VSTD0.5258

Tgt Ion: 43 Resp: 20572

Ion Ratio Lower Upper

43 100

58 31.8 0.0 48.4



#14

Carbon disulfide

Concen: 0.411 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.003 min

Lab File: VV031321.D

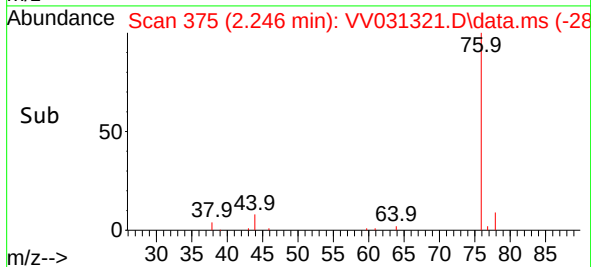
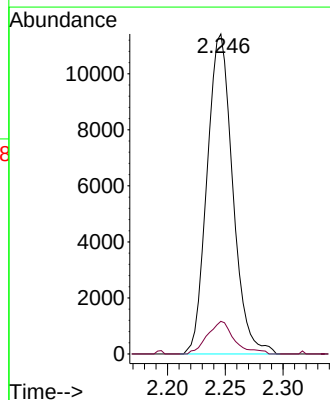
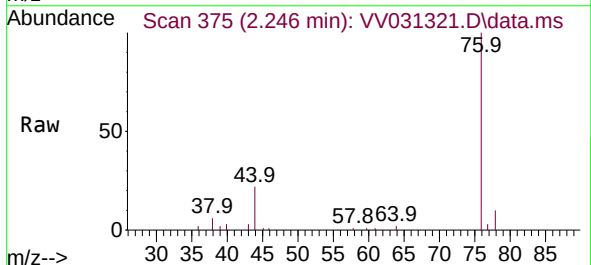
Acq: 01 Jun 2023 16:26

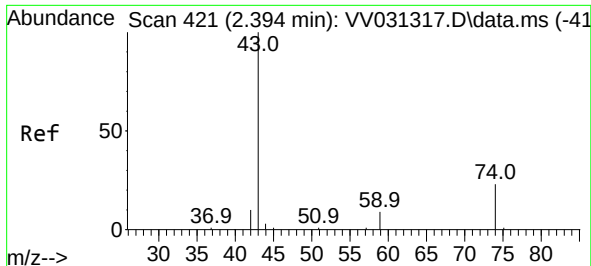
Tgt Ion: 76 Resp: 17646

Ion Ratio Lower Upper

76 100

78 10.2 7.2 10.8

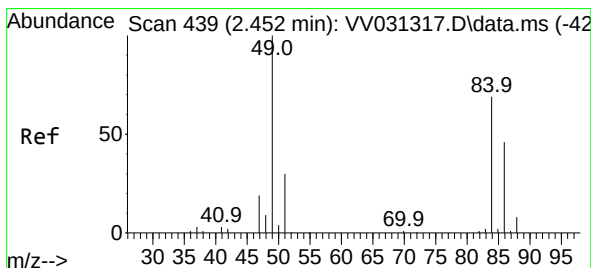
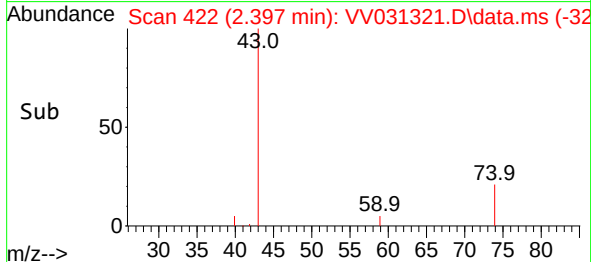
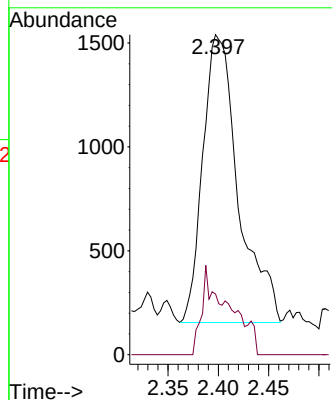
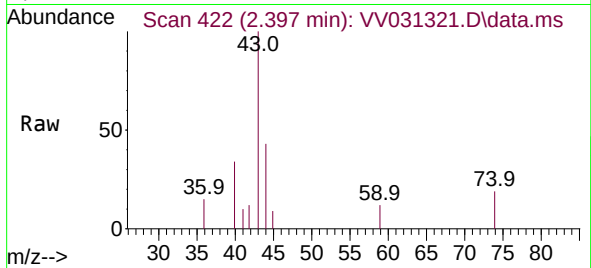




#15
Methyl Acetate
Concen: 0.569 ug/L
RT: 2.397 min Scan# 41
Delta R.T. 0.003 min
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Acq: 01 Jun 2023 16:26

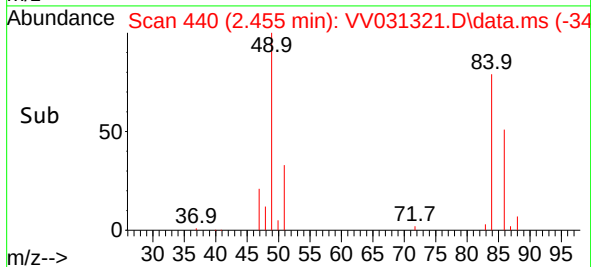
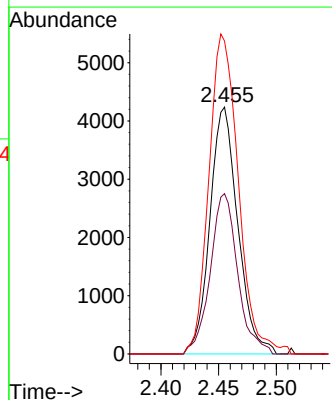
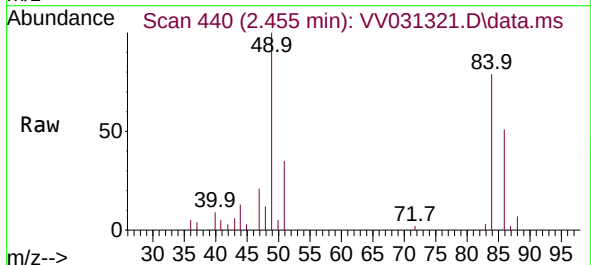
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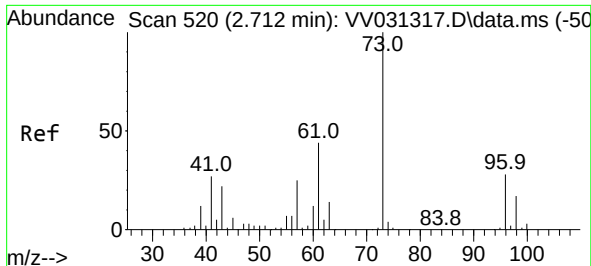
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Ion Ratio Lower Upper
43 100
74 12.7 16.2 24.2#



#16
Methylene chloride
Concen: 0.369 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 84 Resp: 7135
Ion Ratio Lower Upper
84 100
86 64.9 46.7 86.7
49 126.8 101.6 188.8





#17

Methyl tert-butyl Ether

Concen: 0.434 ug/L

RT: 2.712 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5258

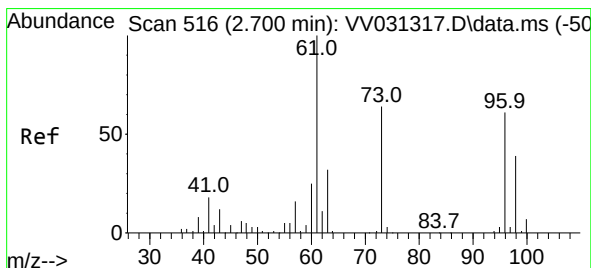
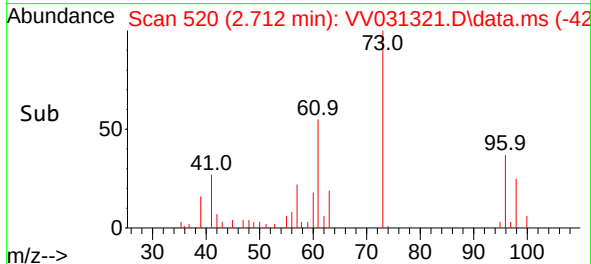
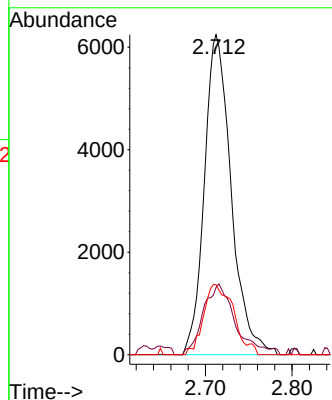
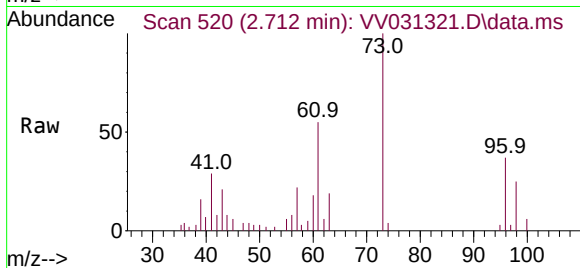
Tgt Ion: 73 Resp: 13450

Ion Ratio Lower Upper

73 100

43 26.0 17.8 26.8

57 24.5 19.8 29.8



#18

trans-1,2-Dichloroethene

Concen: 0.426 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

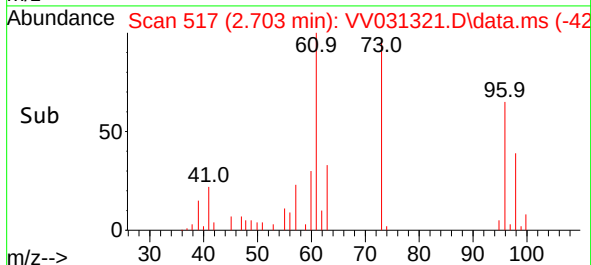
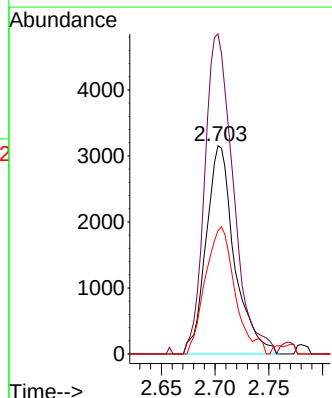
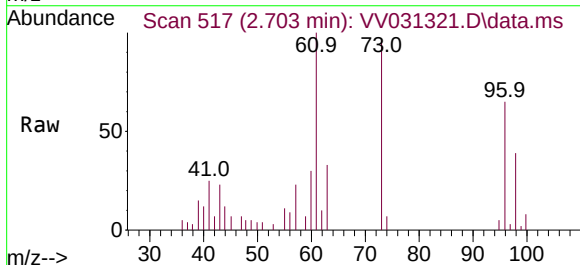
Tgt Ion: 96 Resp: 5769

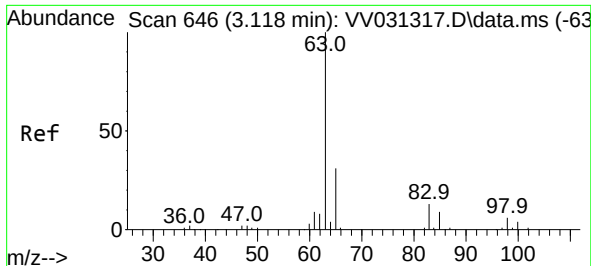
Ion Ratio Lower Upper

96 100

61 153.8 114.2 212.0

98 59.2 45.0 83.6





#19

1,1-Dichloroethane

Concen: 0.445 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5258

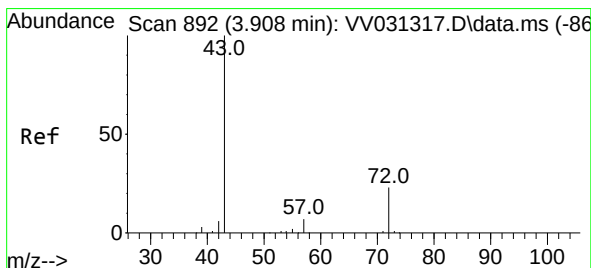
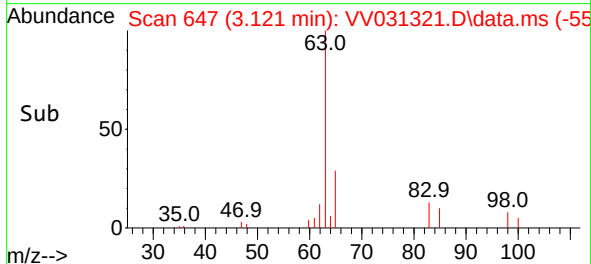
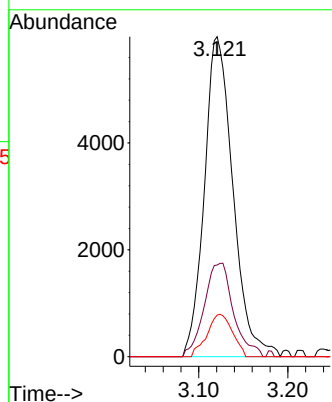
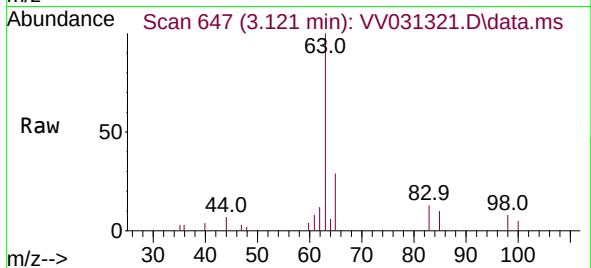
Tgt Ion: 63 Resp: 13346

Ion Ratio Lower Upper

63 100

65 28.7 22.0 40.8

83 13.0 9.0 16.6



#21

2-Butanone

Concen: 5.846 ug/L

RT: 3.921 min Scan# 896

Delta R.T. 0.013 min

Lab File: VV031321.D

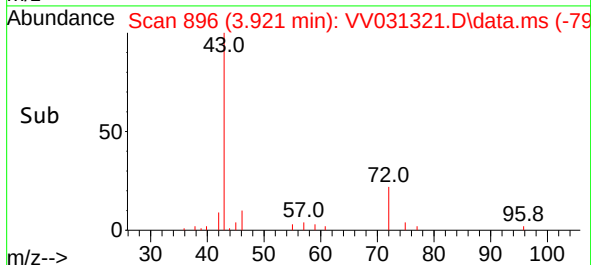
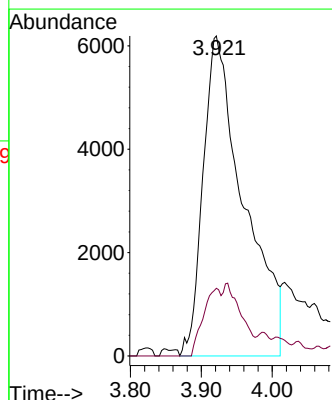
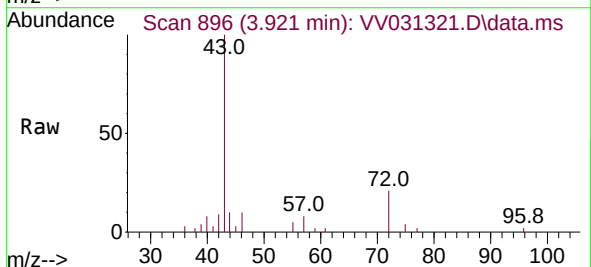
Acq: 01 Jun 2023 16:26

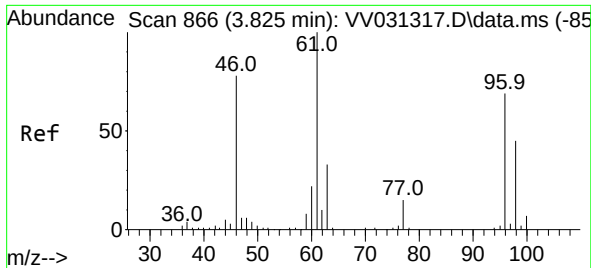
Tgt Ion: 43 Resp: 24697

Ion Ratio Lower Upper

43 100

72 9.1 7.8 23.5



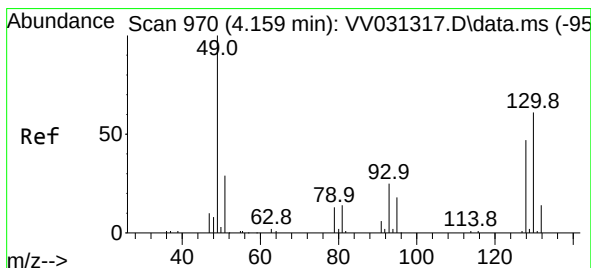
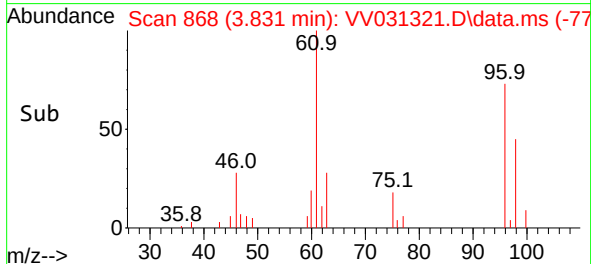
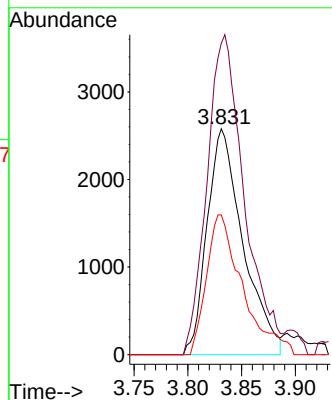
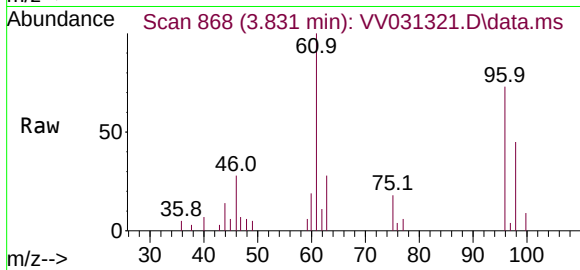


#22
 cis-1,2-Dichloroethene
 Concen: 0.426 ug/L
 RT: 3.831 min Scan# 868
 Delta R.T. 0.006 min
 Lab File: VV031321.D
 Acq: 01 Jun 2023 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5258

Tgt Ion: 96 Resp: 6007

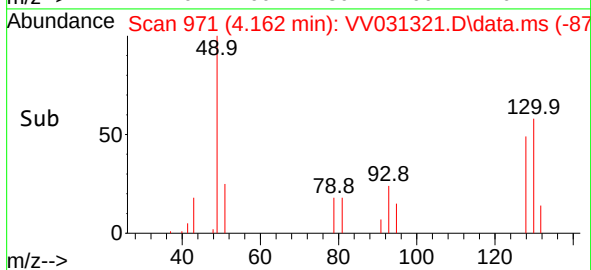
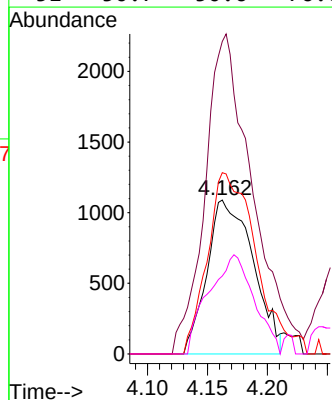
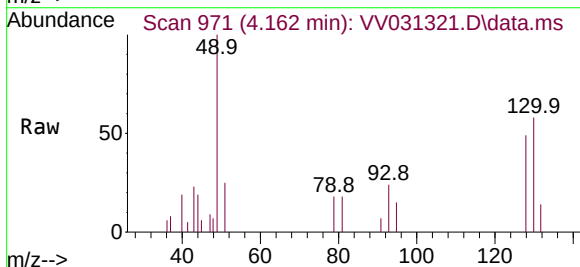
Ion	Ratio	Lower	Upper
96	100		
61	137.9	100.8	187.2
98	61.8	45.1	83.9

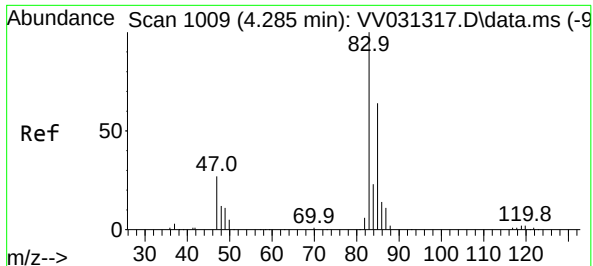


#23
 Bromochloromethane
 Concen: 0.460 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.003 min
 Lab File: VV031321.D
 Acq: 01 Jun 2023 16:26

Tgt Ion: 128 Resp: 2916

Ion	Ratio	Lower	Upper
128	100		
49	203.1	148.1	275.0
130	117.8	89.9	166.9
51	50.7	50.6	76.0





#25

Chloroform

Concen: 0.419 ug/L

RT: 4.291 min Scan# 1009

Delta R.T. 0.006 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

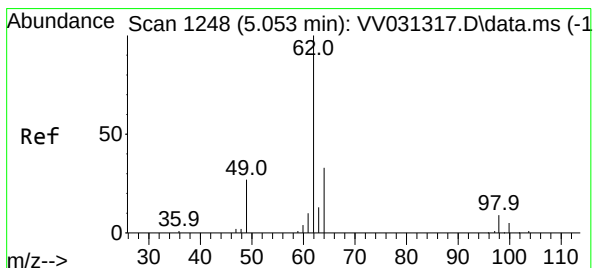
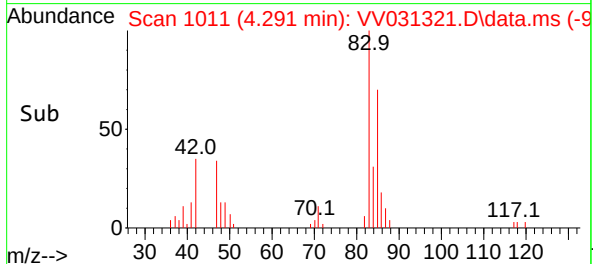
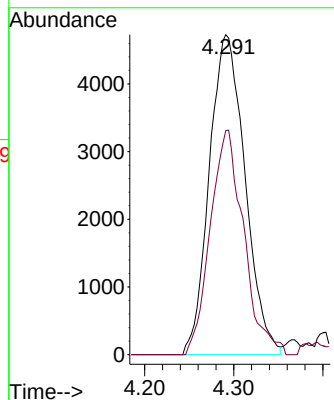
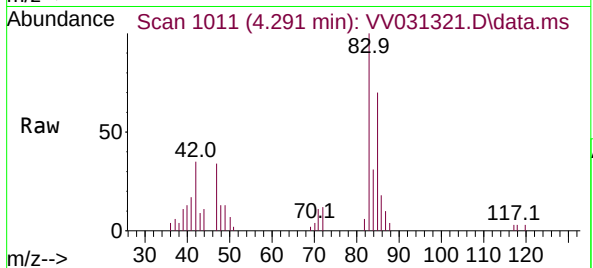
VSTD0.5258

Tgt Ion: 83 Resp: 13167

Ion Ratio Lower Upper

83 100

85 70.0 44.9 83.3



#27

1,2-Dichloroethane

Concen: 0.450 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. 0.013 min

Lab File: VV031321.D

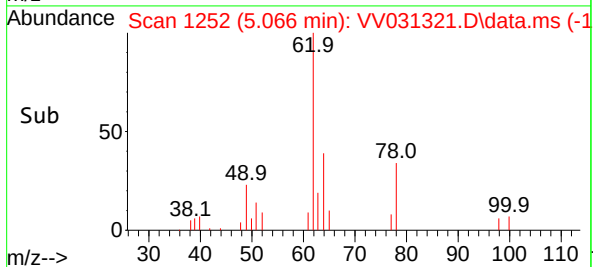
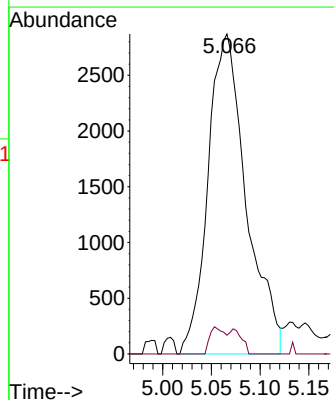
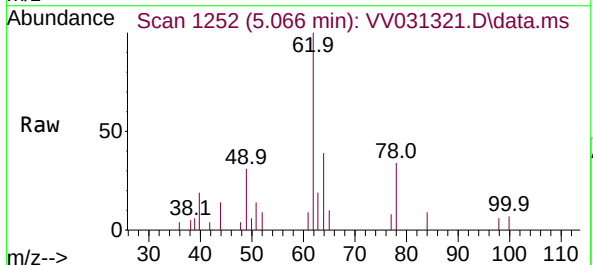
Acq: 01 Jun 2023 16:26

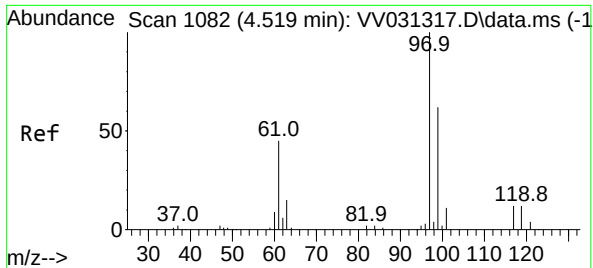
Tgt Ion: 62 Resp: 7832

Ion Ratio Lower Upper

62 100

98 5.9 7.2 10.8#





#29

1,1,1-Trichloroethane

Concen: 0.446 ug/L

RT: 4.522 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5258

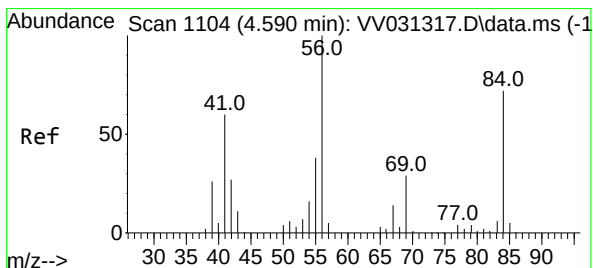
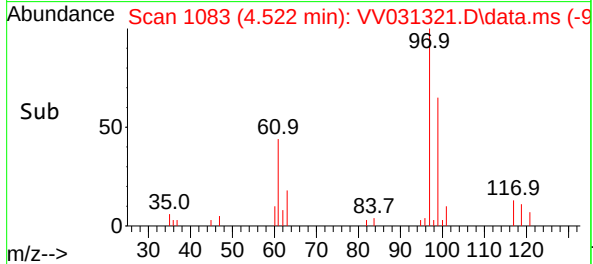
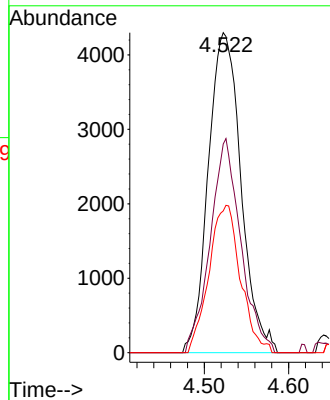
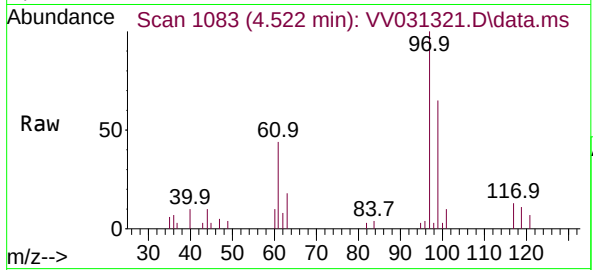
Tgt Ion: 97 Resp: 11582

Ion Ratio Lower Upper

97 100

99 62.5 52.2 78.4

61 44.5 36.4 54.6



#30

Cyclohexane

Concen: 0.373 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

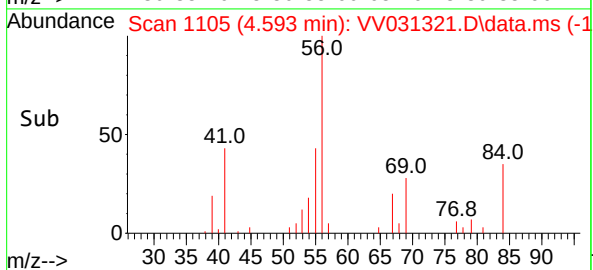
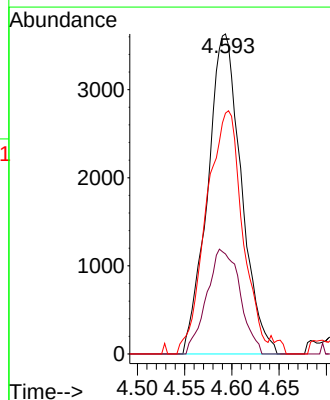
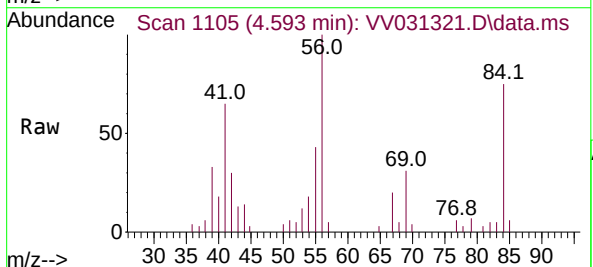
Tgt Ion: 56 Resp: 8995

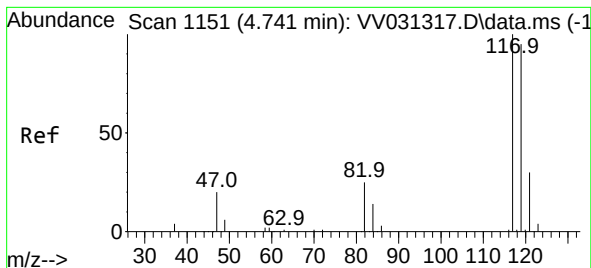
Ion Ratio Lower Upper

56 100

69 32.4 23.2 34.8

84 81.6 58.5 87.7





#31

Carbon tetrachloride

Concen: 0.457 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. 0.006 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

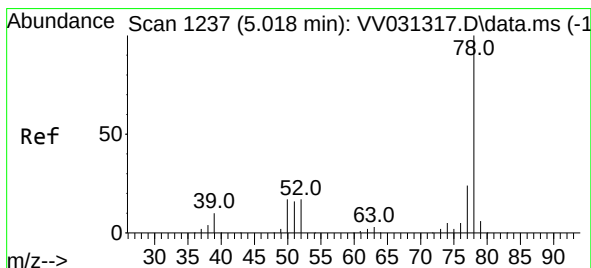
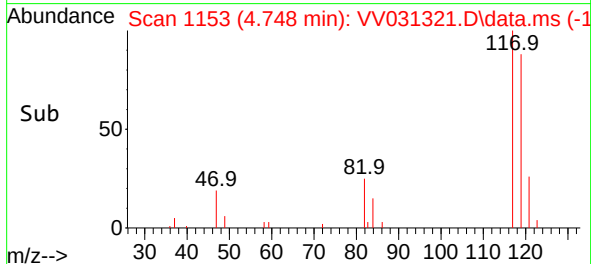
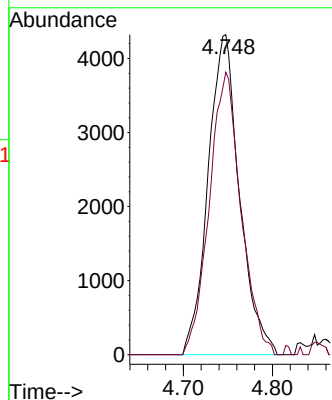
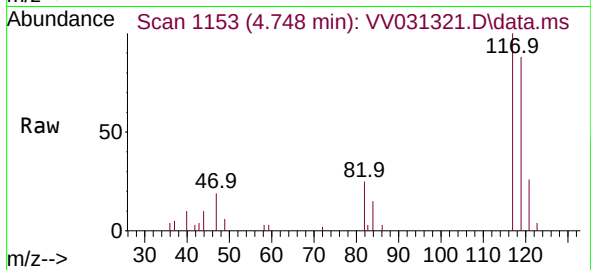
VSTD0.5258

Tgt Ion:117 Resp: 10598

Ion Ratio Lower Upper

117 100

119 88.8 76.3 114.5



#33

Benzene

Concen: 0.421 ug/L

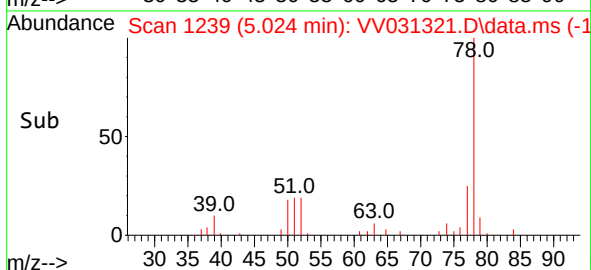
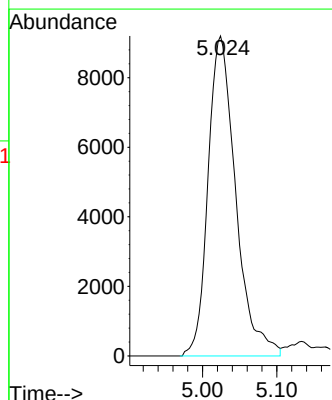
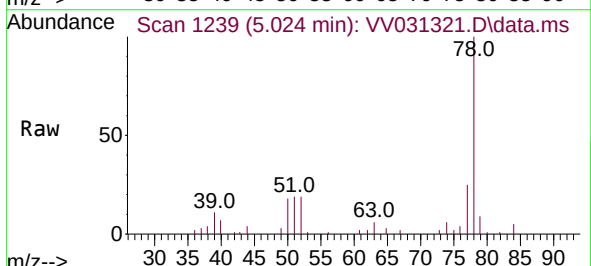
RT: 5.024 min Scan# 1239

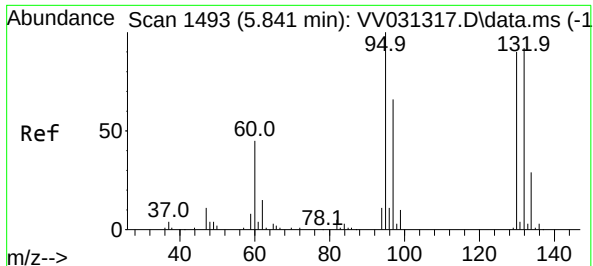
Delta R.T. 0.006 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Tgt Ion: 78 Resp: 23778



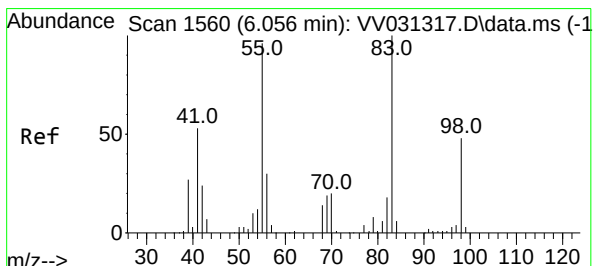
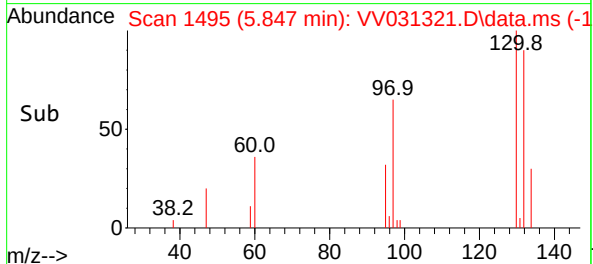
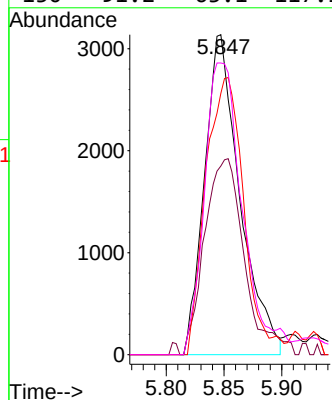
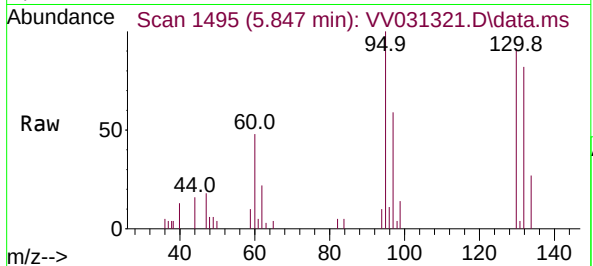


#34
Trichloroethene
Concen: 0.432 ug/L
RT: 5.847 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

Tgt Ion: 95 Resp: 6692

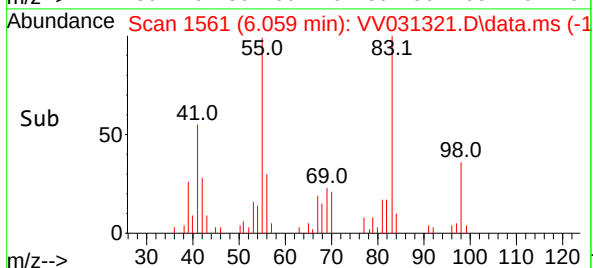
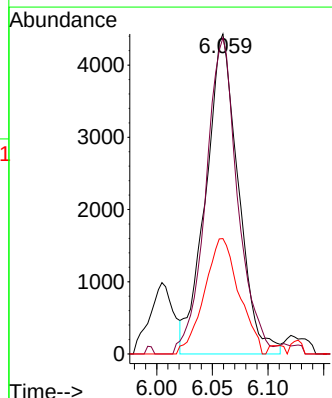
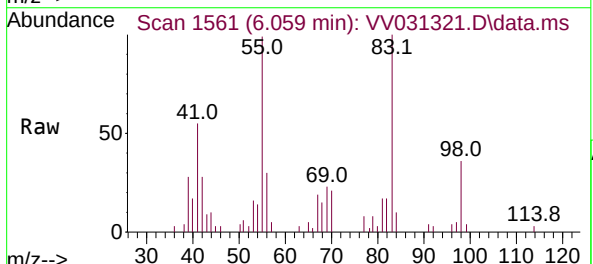
Ion	Ratio	Lower	Upper
95	100		
97	59.0	46.1	85.5
132	81.6	64.5	119.9
130	91.2	63.1	117.1

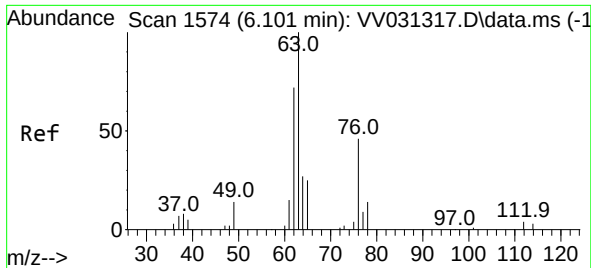


#35
Methylcyclohexane
Concen: 0.393 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 83 Resp: 8978

Ion	Ratio	Lower	Upper
83	100		
55	97.0	74.6	112.0
98	38.4	36.5	54.7





#37

1,2-Dichloropropane

Concen: 0.485 ug/L

RT: 6.108 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

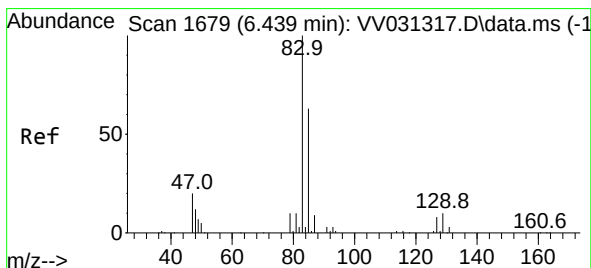
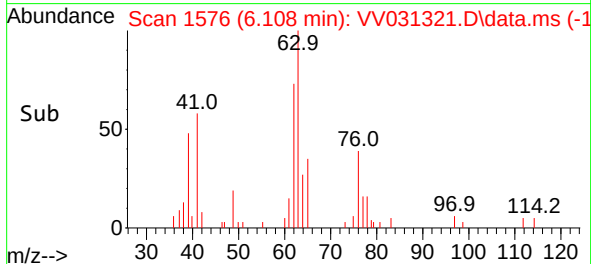
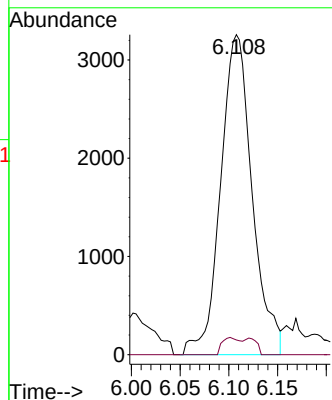
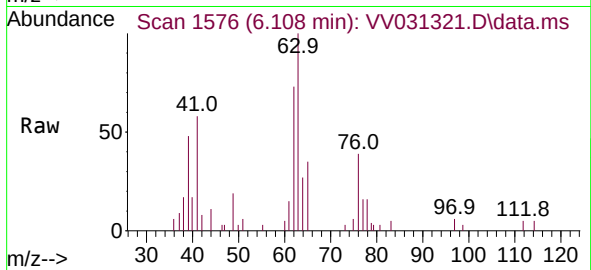
VSTD0.5258

Tgt Ion: 63 Resp: 7349

Ion Ratio Lower Upper

63 100

112 3.1 3.8 5.6#



#38

Bromodichloromethane

Concen: 0.441 ug/L

RT: 6.448 min Scan# 1682

Delta R.T. 0.010 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

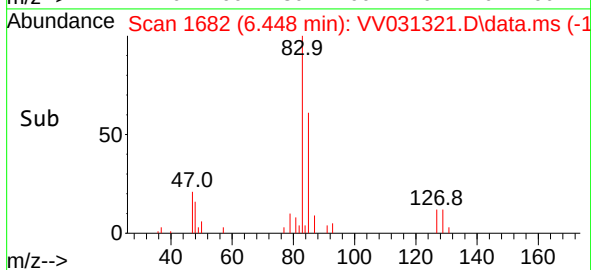
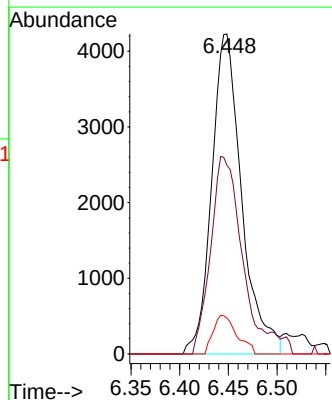
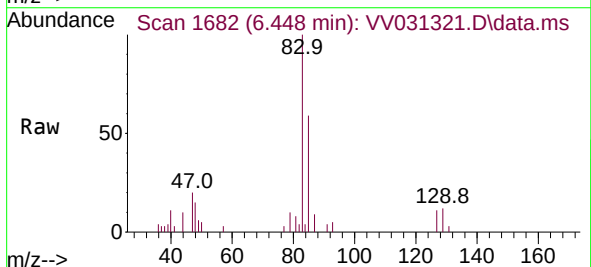
Tgt Ion: 83 Resp: 9048

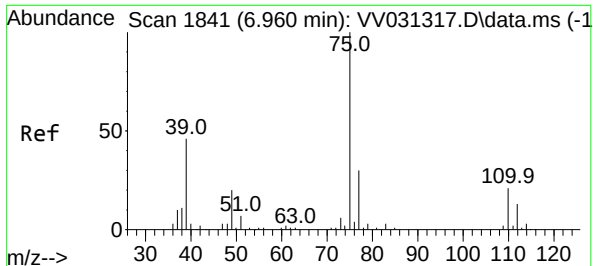
Ion Ratio Lower Upper

83 100

85 59.0 44.3 82.3

127 11.3 6.5 9.7#





#39

cis-1,3-Dichloropropene

Concen: 0.408 ug/L

RT: 6.973 min Scan# 1845

Delta R.T. 0.013 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

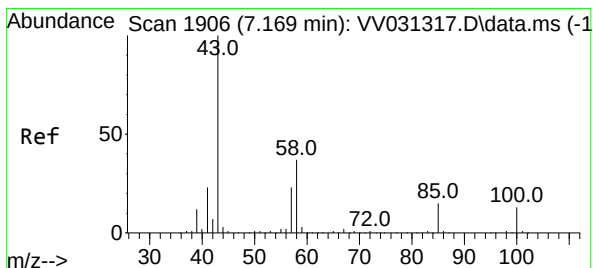
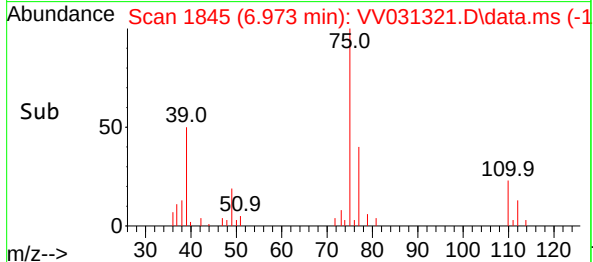
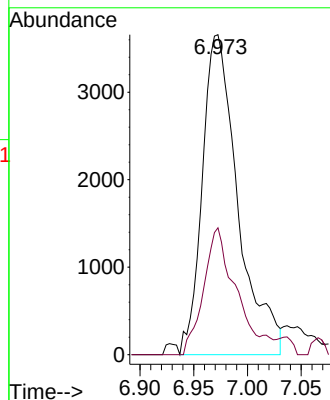
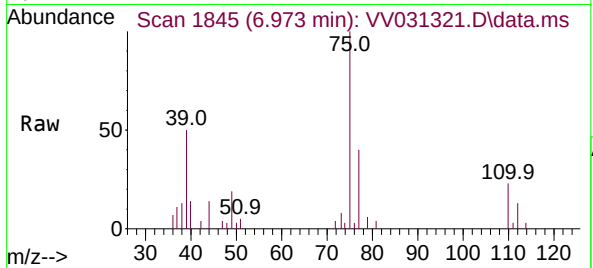
VSTD0.5258

Tgt Ion: 75 Resp: 8432

Ion Ratio Lower Upper

75 100

77 39.6 21.3 39.5#



#40

4-Methyl-2-pentanone

Concen: 3.639 ug/L

RT: 7.175 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

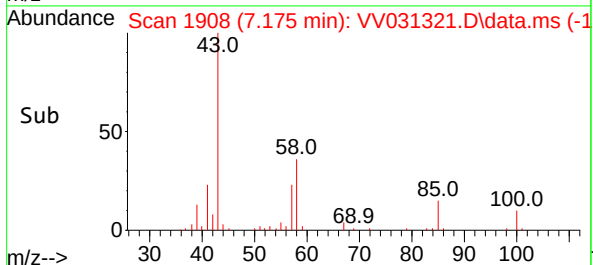
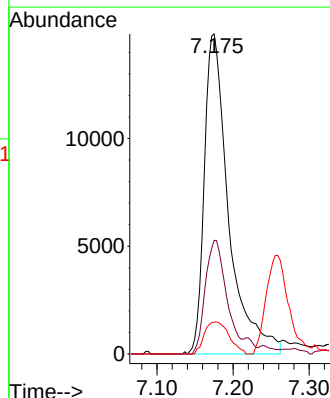
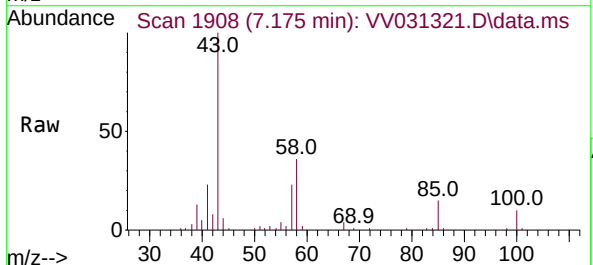
Tgt Ion: 43 Resp: 33082

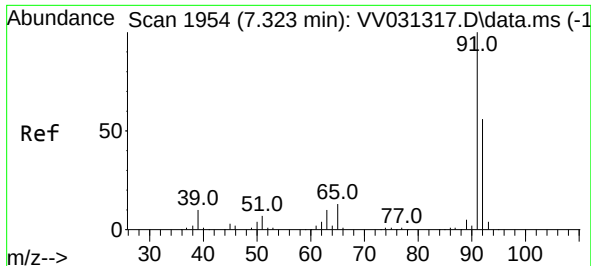
Ion Ratio Lower Upper

43 100

58 31.0 30.2 45.4

100 10.1 9.0 13.6





#42

Toluene

Concen: 0.388 ug/L

RT: 7.326 min Scan# 1954

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

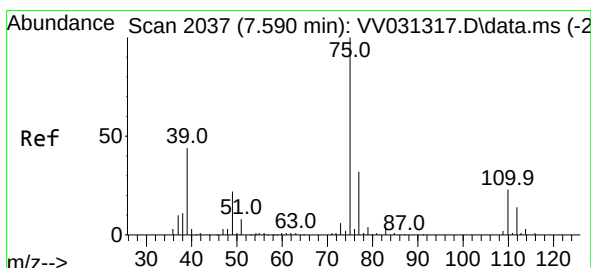
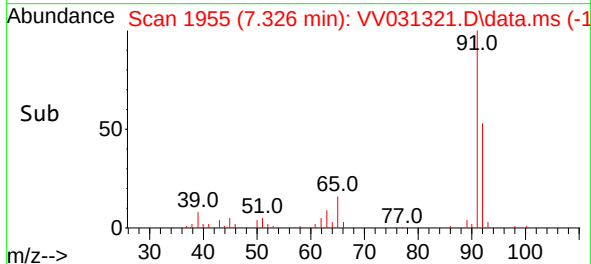
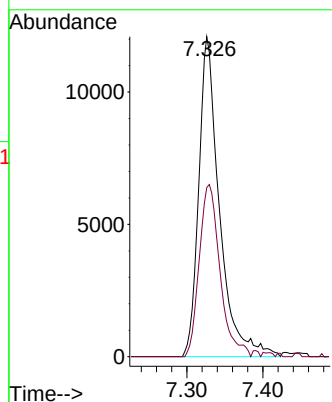
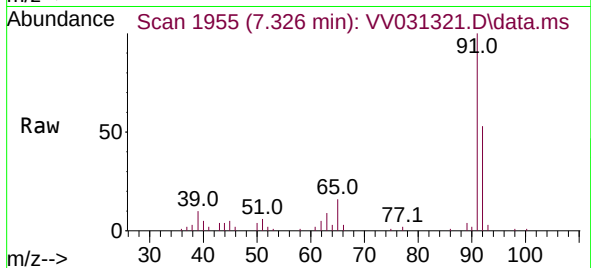
VSTD0.5258

Tgt Ion: 91 Resp: 22844

Ion Ratio Lower Upper

91 100

92 52.9 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 0.413 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VV031321.D

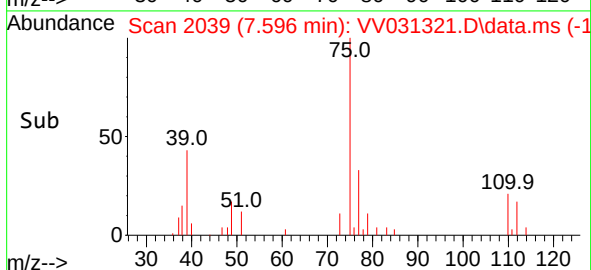
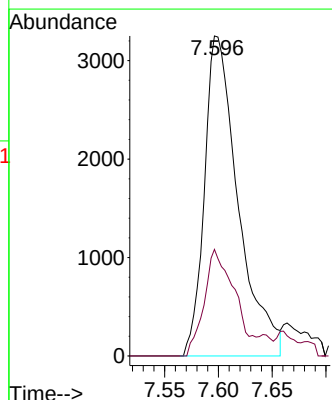
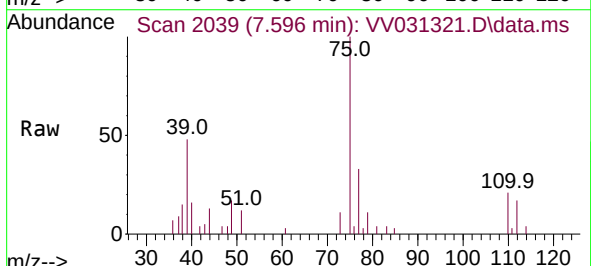
Acq: 01 Jun 2023 16:26

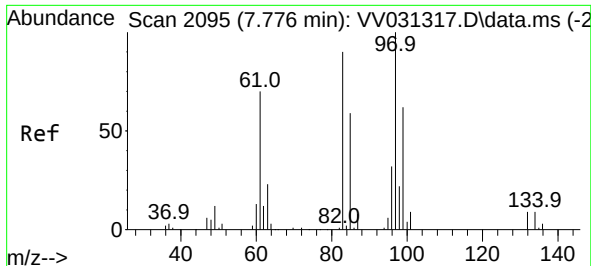
Tgt Ion: 75 Resp: 7074

Ion Ratio Lower Upper

75 100

77 33.3 22.8 42.4



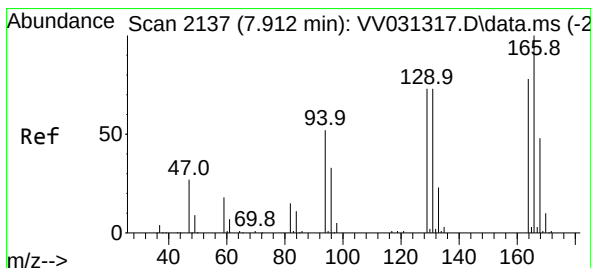
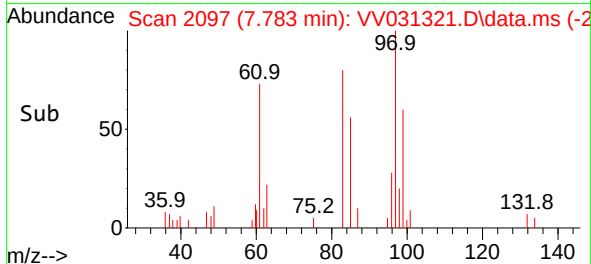
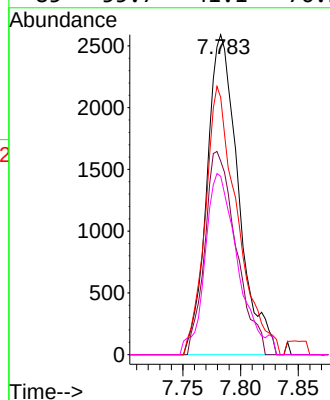
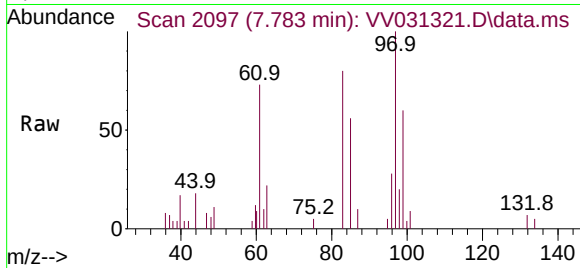


#45
1,1,2-Trichloroethane
Concen: 0.463 ug/L
RT: 7.783 min Scan# 2095
Delta R.T. 0.006 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

Tgt Ion: 97 Resp: 4913

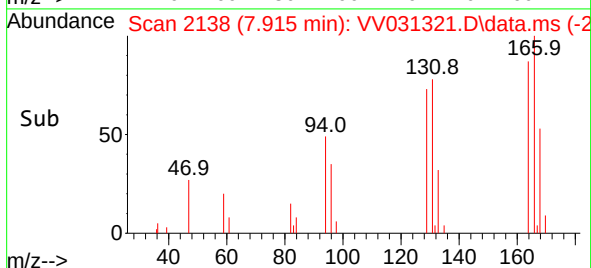
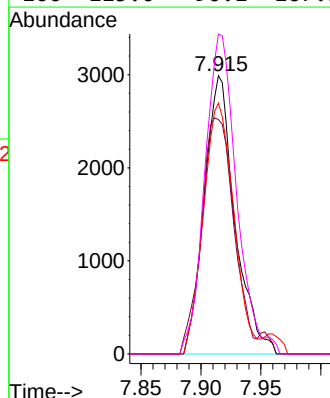
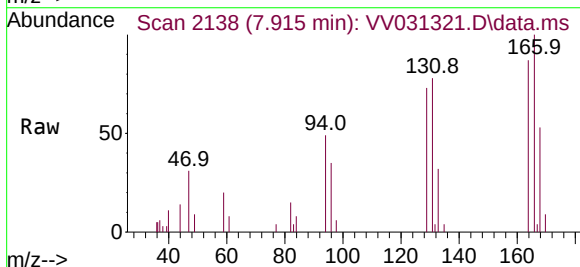
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.1	80.1
83	80.4	63.1	117.1
85	55.7	41.1	76.3

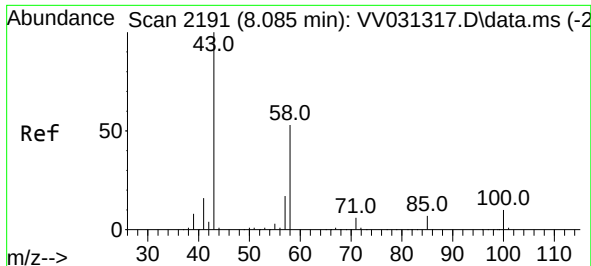


#47
Tetrachloroethene
Concen: 0.450 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 164 Resp: 5304

Ion	Ratio	Lower	Upper
164	100		
129	84.2	66.0	122.6
131	90.2	65.3	121.3
166	115.0	90.1	167.3

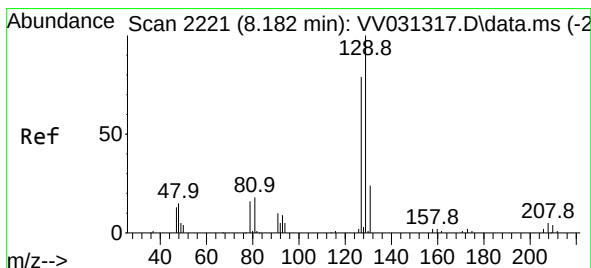
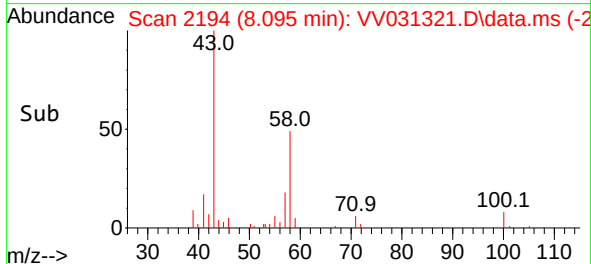
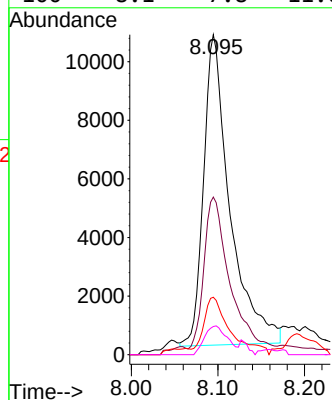
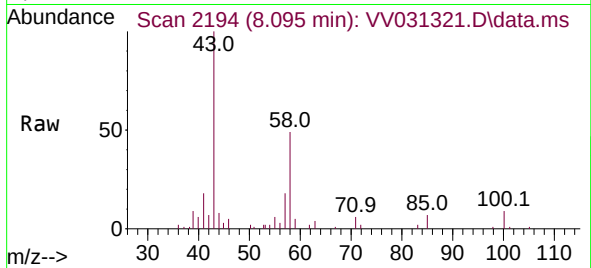




#48
2-Hexanone
Concen: 3.245 ug/L
RT: 8.095 min Scan# 2191
Delta R.T. 0.010 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

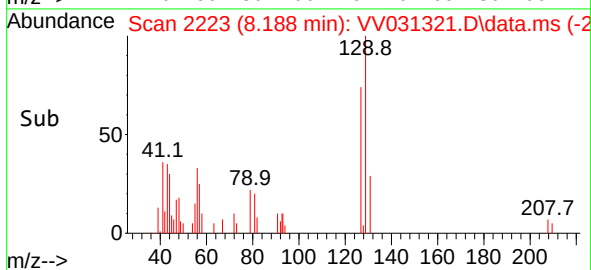
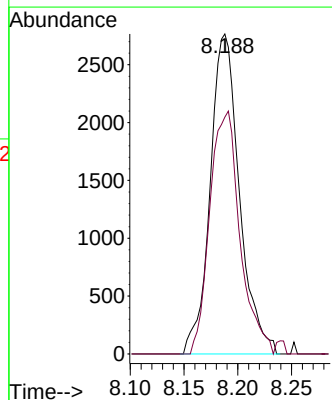
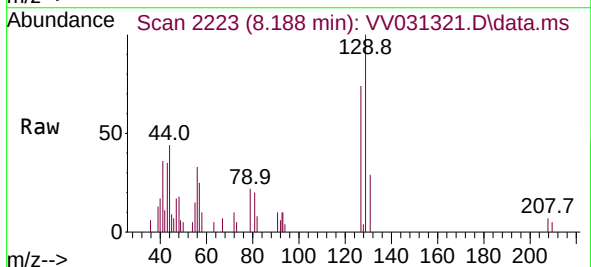
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

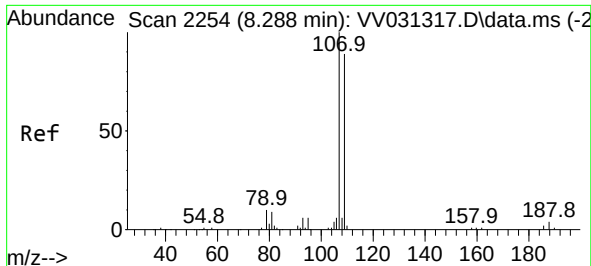
Tgt Ion: 43	Resp: 22384
Ion Ratio	Lower Upper
43 100	
58 48.6	41.1 61.7
57 18.5	14.4 21.6
100 8.1	7.8 11.6



#49
Dibromochloromethane
Concen: 0.435 ug/L
RT: 8.188 min Scan# 2223
Delta R.T. 0.006 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion:129	Resp:	5232	
Ion	Ratio	Lower	Upper
129	100		
127	74.0	55.0	102.2





#50

1,2-Dibromoethane

Concen: 0.412 ug/L

RT: 8.291 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5258

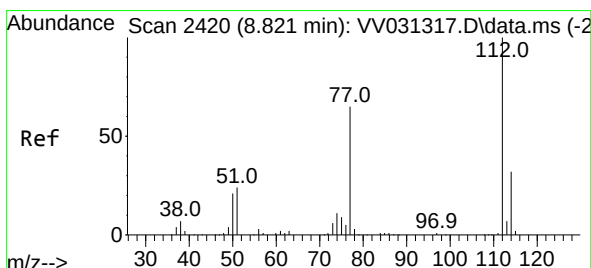
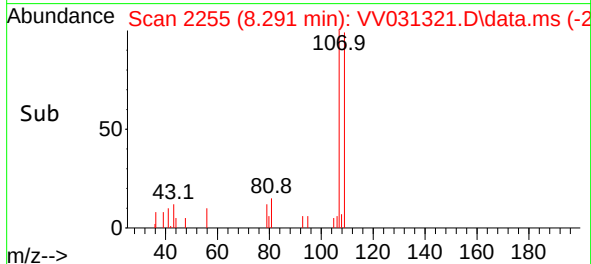
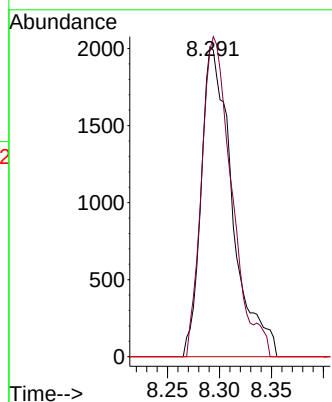
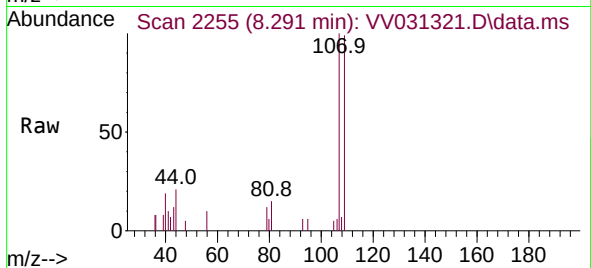
Tgt Ion:107 Resp: 4193

Ion Ratio Lower Upper

107 100

109 99.1 62.2 115.4

188 0.0 3.0 4.4#



#51

Chlorobenzene

Concen: 0.435 ug/L

RT: 8.825 min Scan# 2421

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

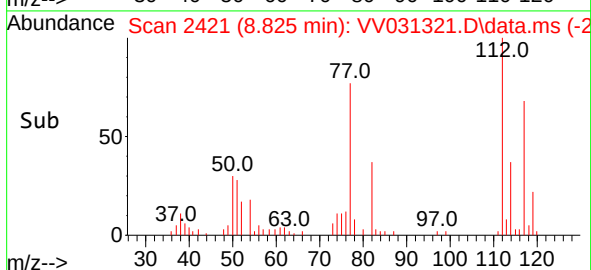
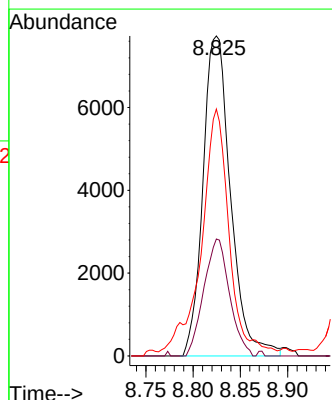
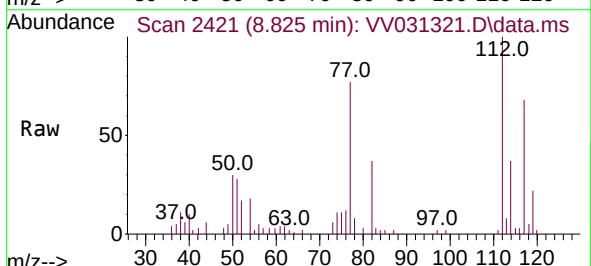
Tgt Ion:112 Resp: 15723

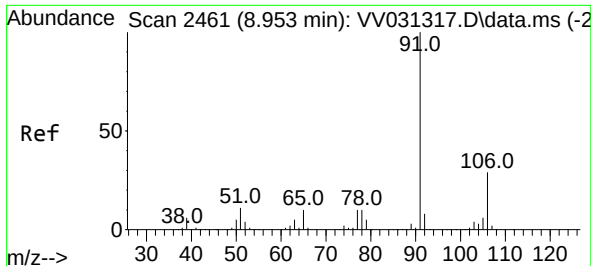
Ion Ratio Lower Upper

112 100

114 36.5 22.7 42.1

77 77.2 52.2 78.2

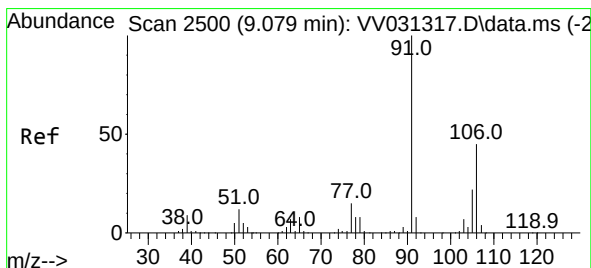
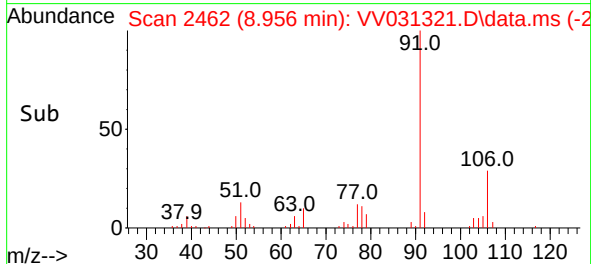
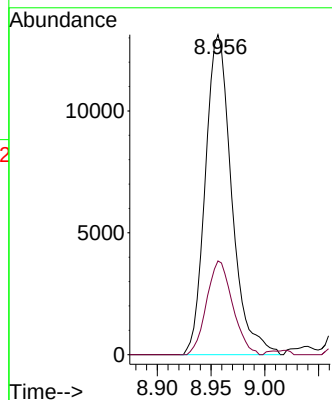
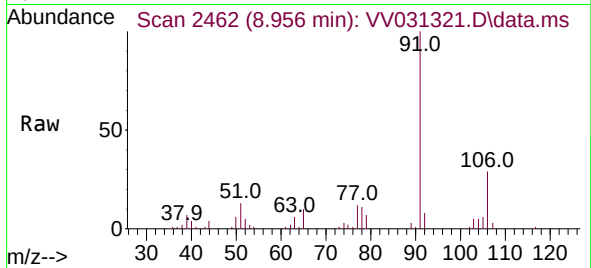




#52
Ethylbenzene
Concen: 0.362 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

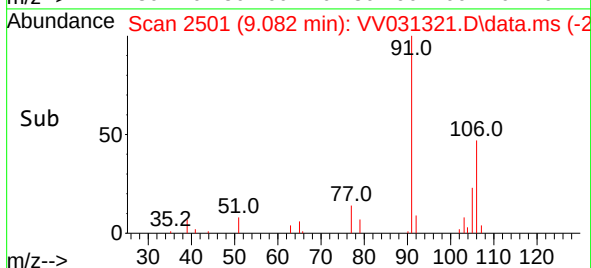
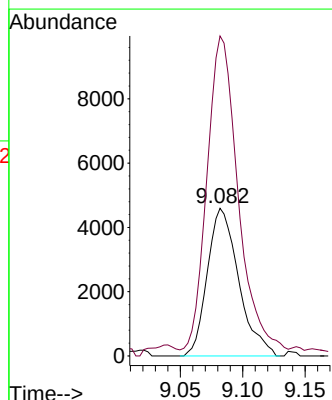
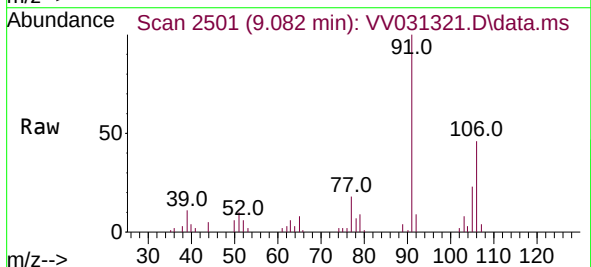
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

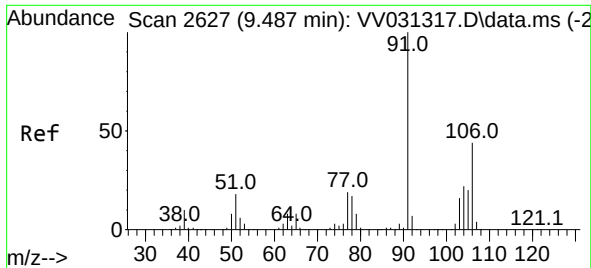
Tgt Ion: 91 Resp: 22376
Ion Ratio Lower Upper
91 100
106 29.3 20.0 37.2



#53
m,p-Xylene
Concen: 0.362 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 106 Resp: 8036
Ion Ratio Lower Upper
106 100
91 216.6 154.3 286.5

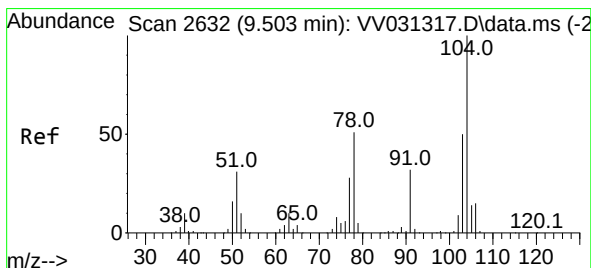
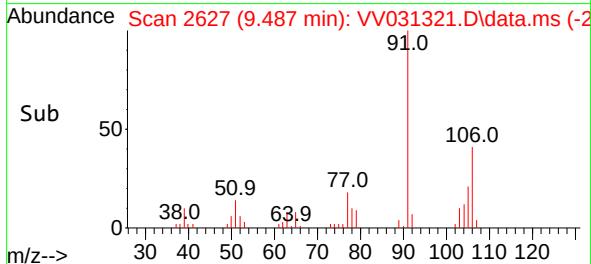
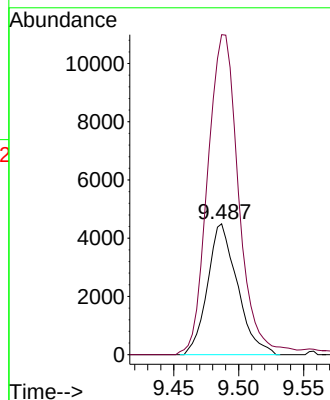
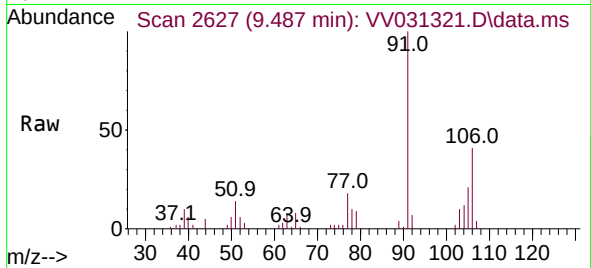




#54
o-Xylene
Concen: 0.344 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

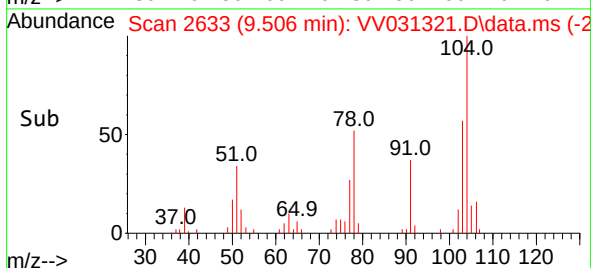
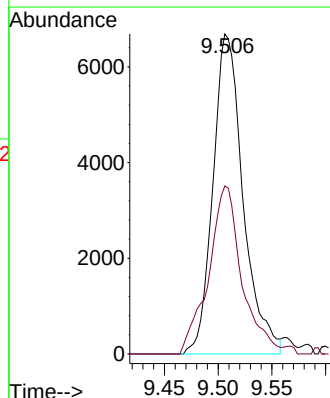
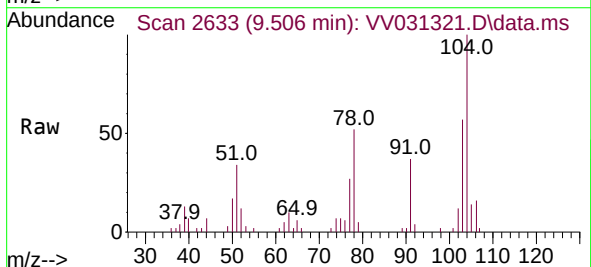
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

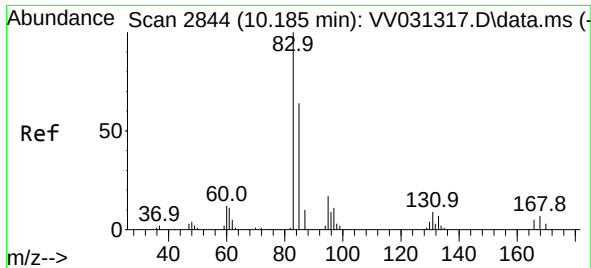
Tgt Ion:106 Resp: 7185
Ion Ratio Lower Upper
106 100
91 244.4 159.0 295.4



#55
Styrene
Concen: 0.352 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion:104 Resp: 13020
Ion Ratio Lower Upper
104 100
78 52.5 35.9 66.7





#57

1,1,2-Tetrachloroethane

Concen: 0.428 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5258

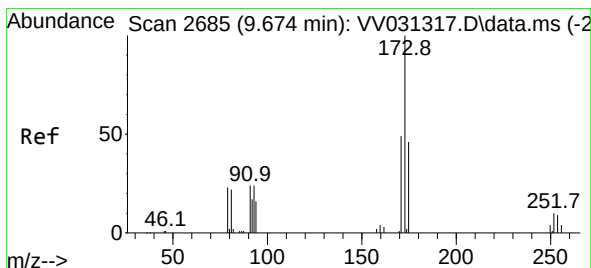
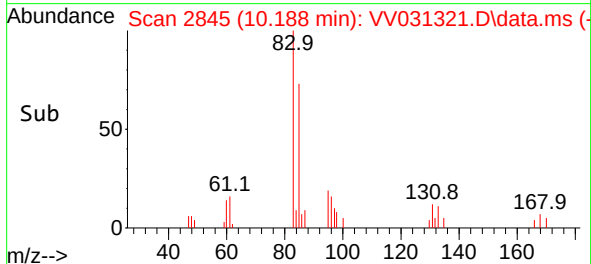
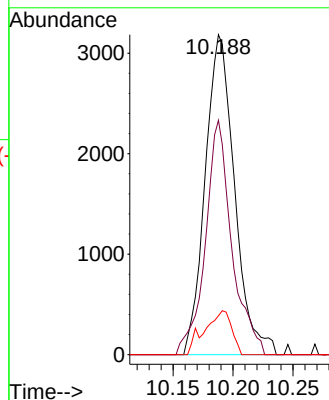
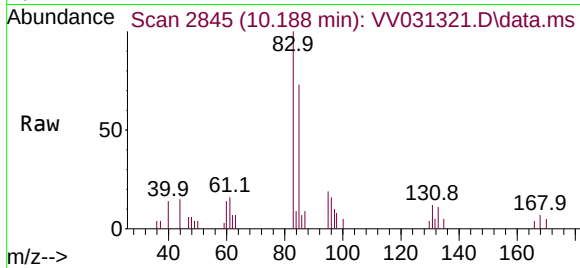
Tgt Ion: 83 Resp: 5421

Ion Ratio Lower Upper

83 100

85 73.2 45.0 83.6

131 12.2 7.3 10.9#



#59

Bromoform

Concen: 0.442 ug/L

RT: 9.677 min Scan# 2686

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

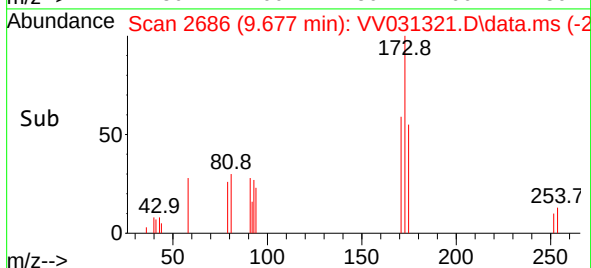
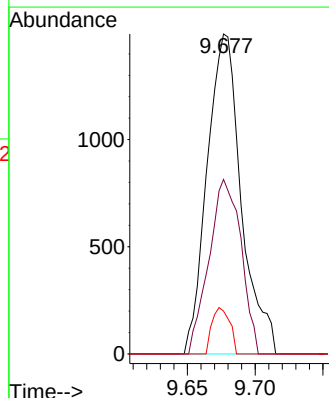
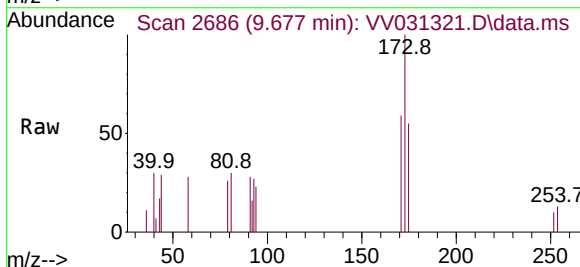
Tgt Ion: 173 Resp: 2615

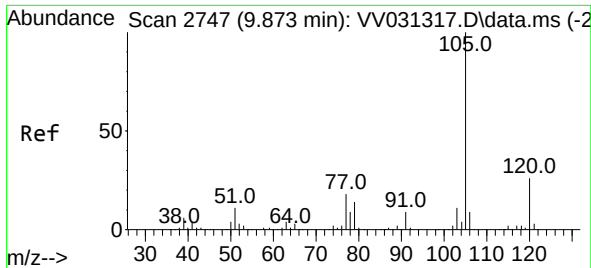
Ion Ratio Lower Upper

173 100

175 51.1 38.9 58.3

254 7.5 7.8 11.8#

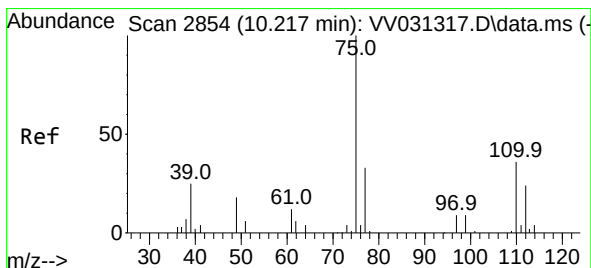
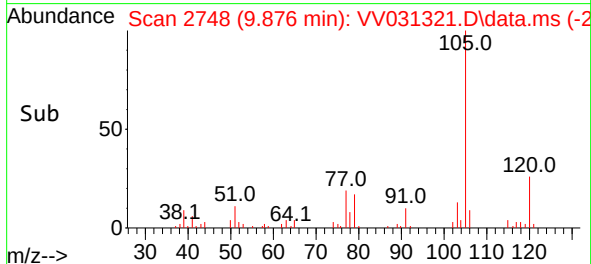
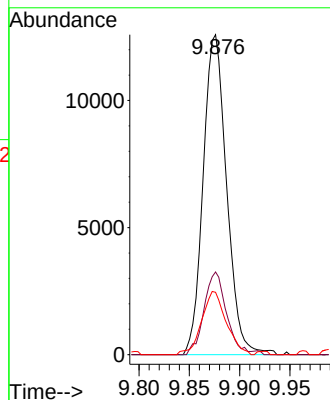
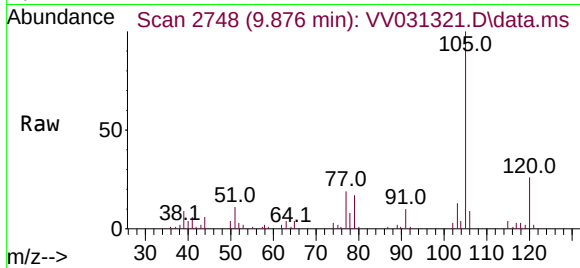




#60
Isopropylbenzene
Concen: 0.390 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

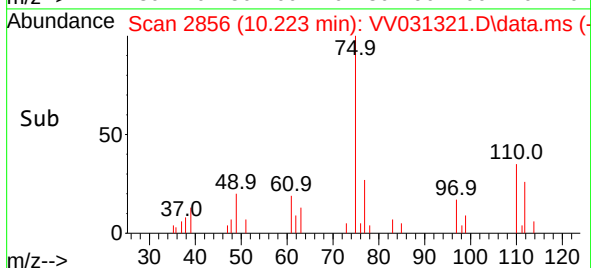
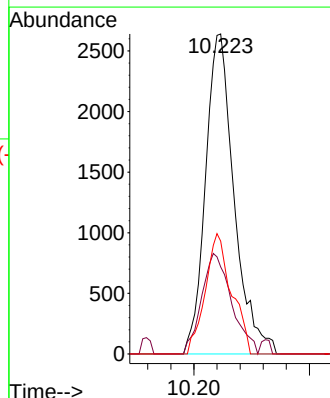
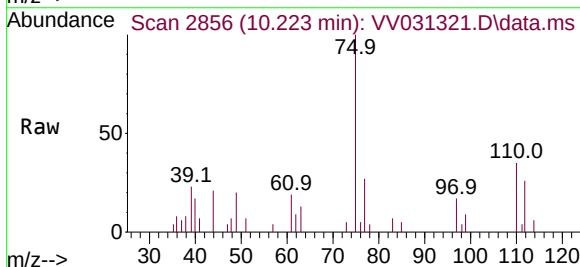
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

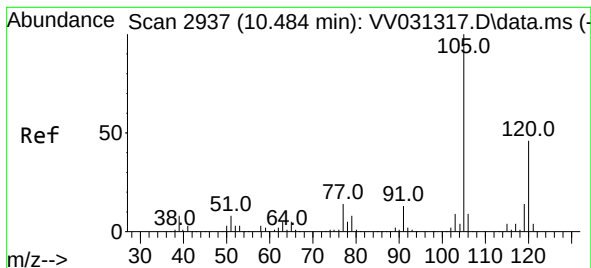
Tgt Ion:105 Resp: 20461
Ion Ratio Lower Upper
105 100
120 24.5 19.9 29.9
77 20.6 14.2 21.2



#61
1,2,3-Trichloropropane
Concen: 0.552 ug/L
RT: 10.223 min Scan# 2856
Delta R.T. 0.006 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion: 75 Resp: 4542
Ion Ratio Lower Upper
75 100
77 32.9 27.3 40.9
110 34.5 29.4 44.0





#62

1,3,5-Trimethylbenzene

Concen: 0.403 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

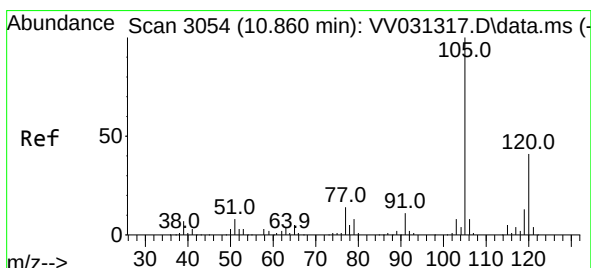
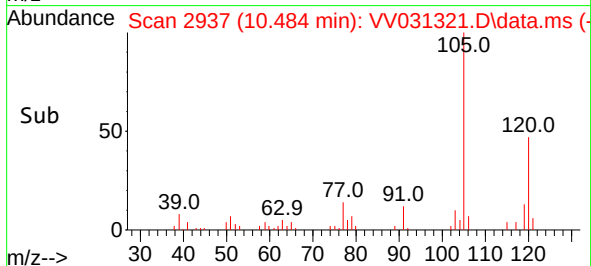
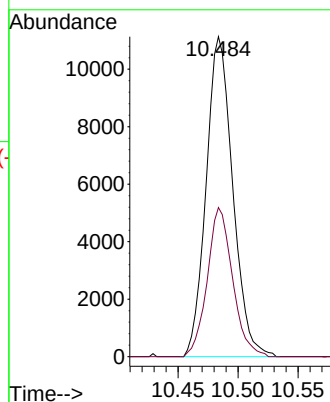
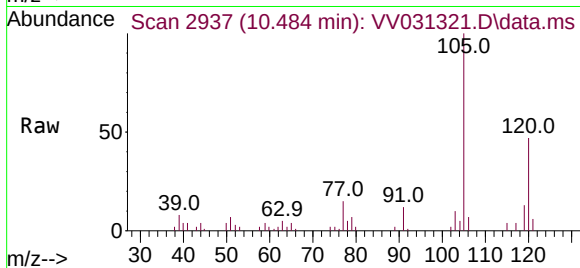
VSTD0.5258

Tgt Ion:105 Resp: 17174

Ion Ratio Lower Upper

105 100

120 44.3 35.9 53.9



#63

1,2,4-Trimethylbenzene

Concen: 0.392 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV031321.D

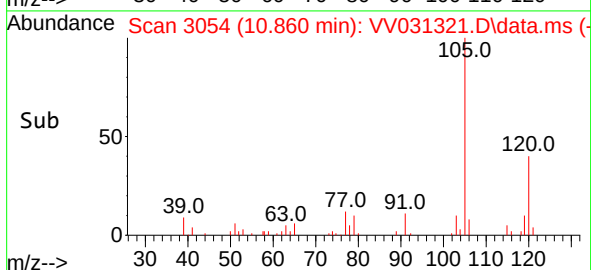
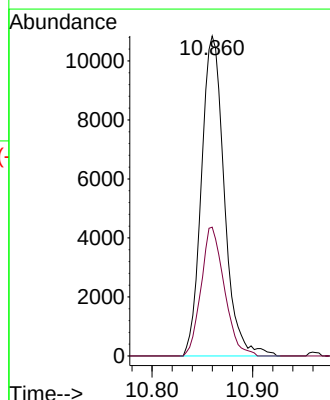
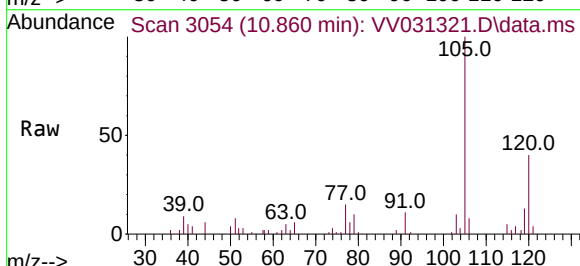
Acq: 01 Jun 2023 16:26

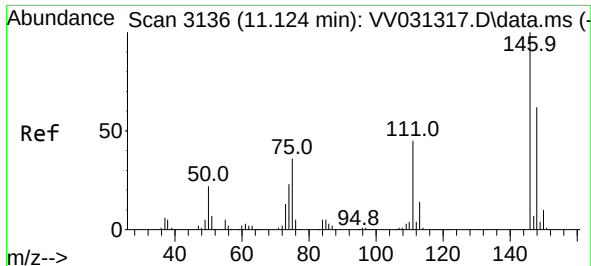
Tgt Ion:105 Resp: 17113

Ion Ratio Lower Upper

105 100

120 40.9 33.2 49.8

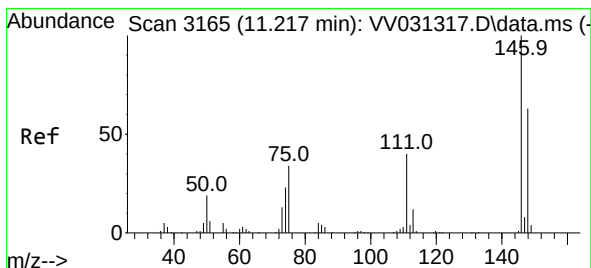
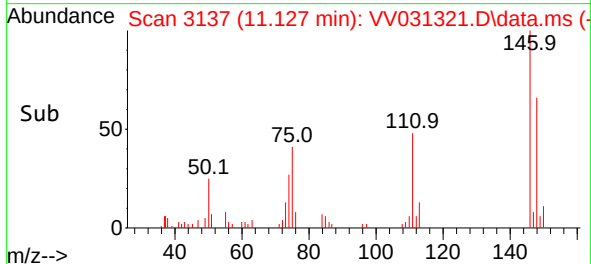
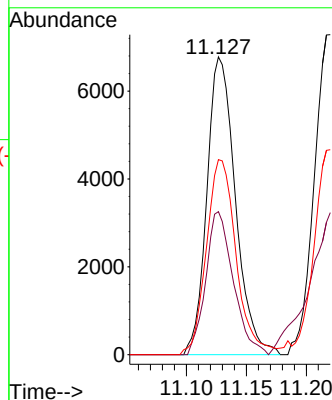
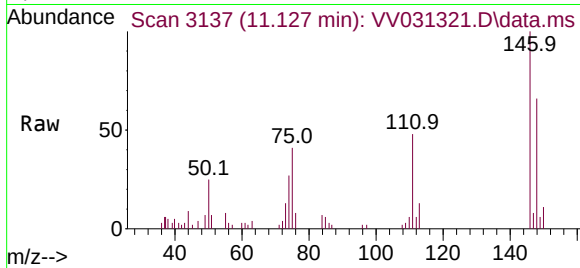




#64
1,3-Dichlorobenzene
Concen: 0.443 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

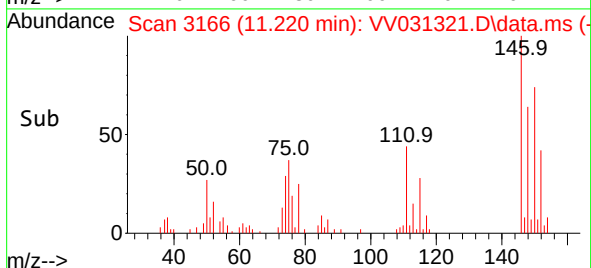
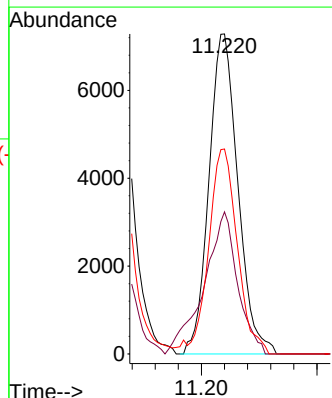
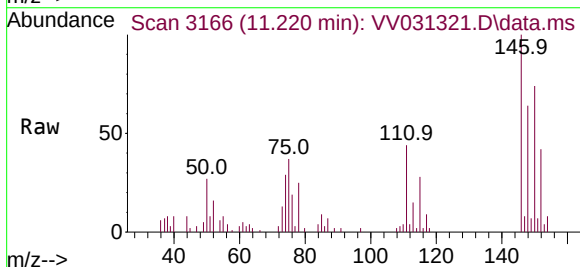
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

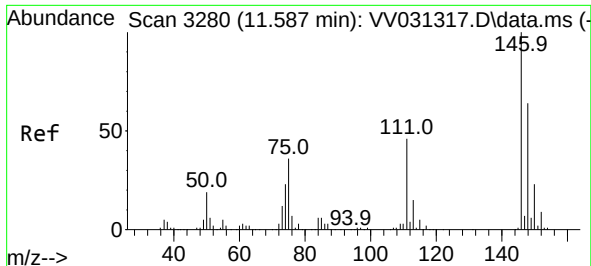
Tgt Ion:146 Resp: 11217
Ion Ratio Lower Upper
146 100
111 48.0 31.1 57.9
148 65.5 43.6 81.0



#65
1,4-Dichlorobenzene
Concen: 0.495 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion:146 Resp: 12640
Ion Ratio Lower Upper
146 100
111 44.4 28.4 52.8
148 64.0 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 0.491 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.5258

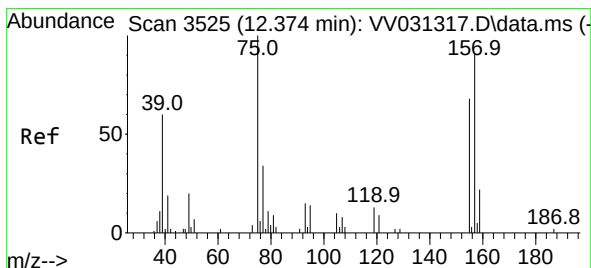
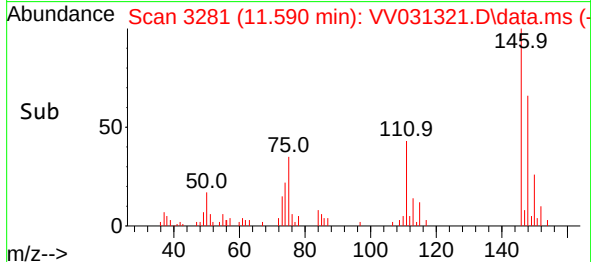
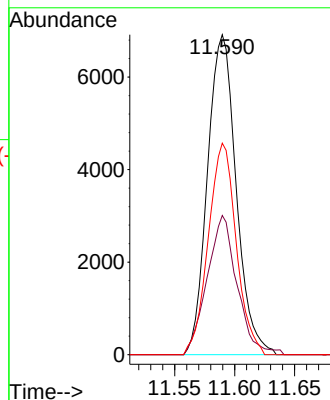
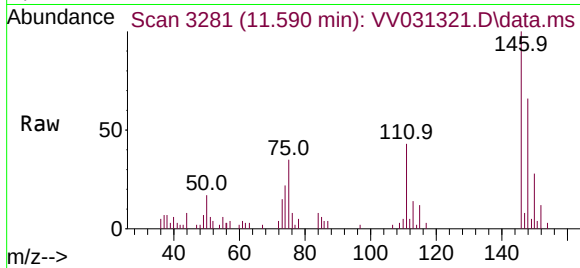
Tgt Ion:146 Resp: 11505

Ion Ratio Lower Upper

146 100

111 43.5 36.6 54.8

148 66.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 0.519 ug/L

RT: 12.377 min Scan# 3526

Delta R.T. 0.003 min

Lab File: VV031321.D

Acq: 01 Jun 2023 16:26

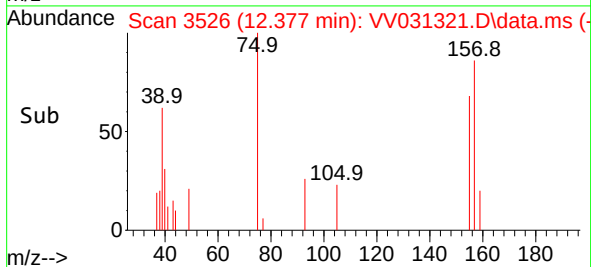
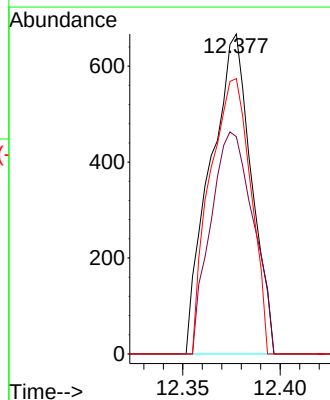
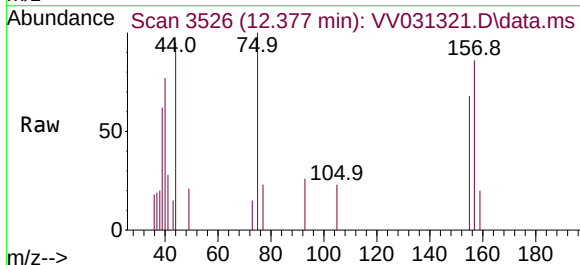
Tgt Ion: 75 Resp: 978

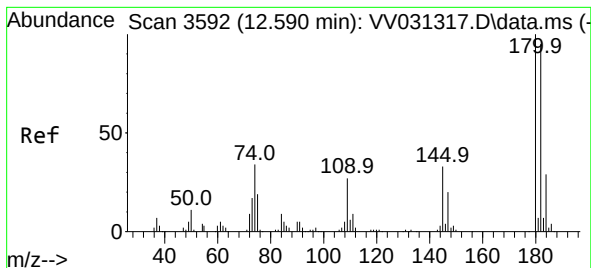
Ion Ratio Lower Upper

75 100

155 67.9 54.6 82.0

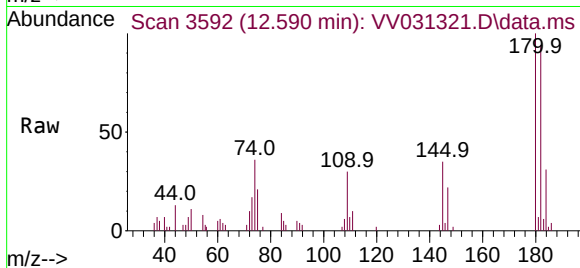
157 86.1 72.7 109.1



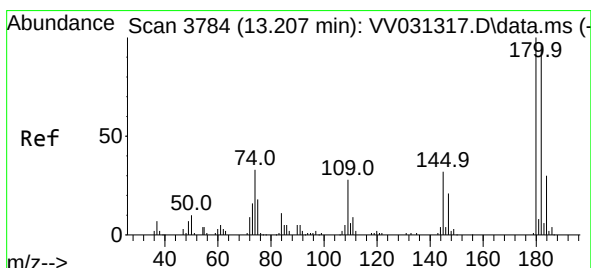
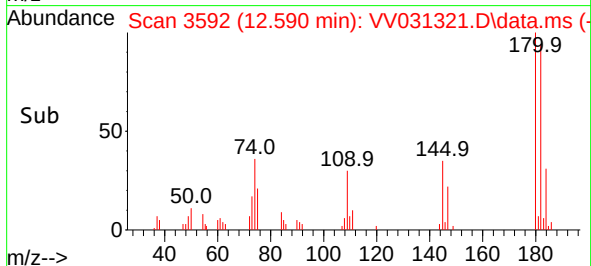
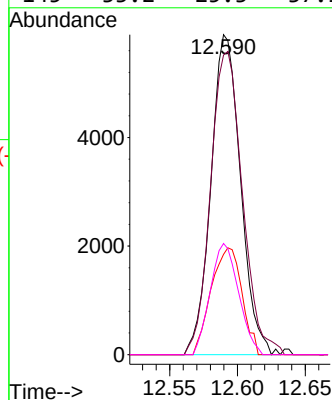


#69
1,3,5-Trichlorobenzene
Concen: 0.479 ug/L
RT: 12.590 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

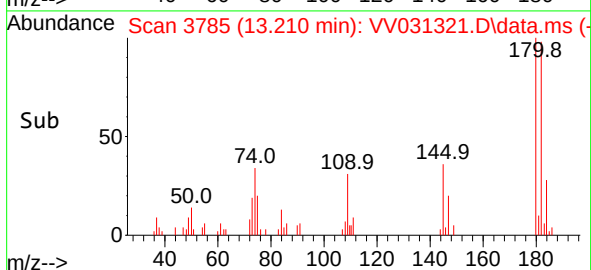
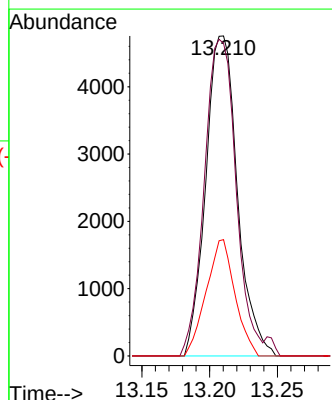
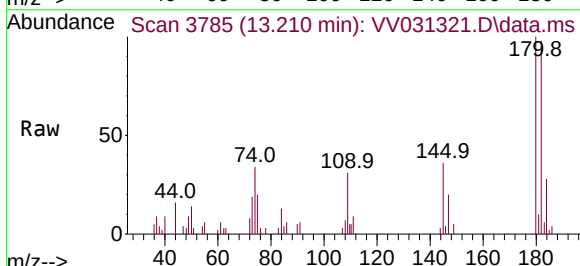


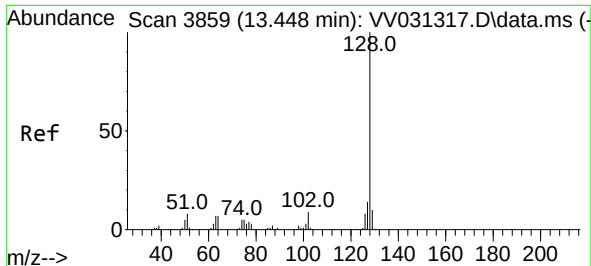
Tgt Ion:180	Resp:	8960
Ion	Ratio	Lower Upper
180	100	
182	101.7	76.1 114.1
184	34.6	23.8 35.6
145	33.2	25.3 37.9



#70
1,2,4-trichlorobenzene
Concen: 0.558 ug/L
RT: 13.210 min Scan# 3785
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion:180	Resp:	7730
Ion	Ratio	Lower Upper
180	100	
182	98.9	76.7 115.1
145	33.0	26.3 39.5

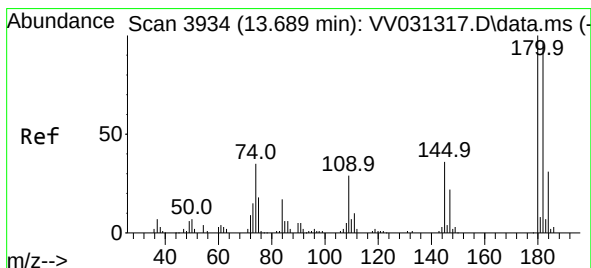
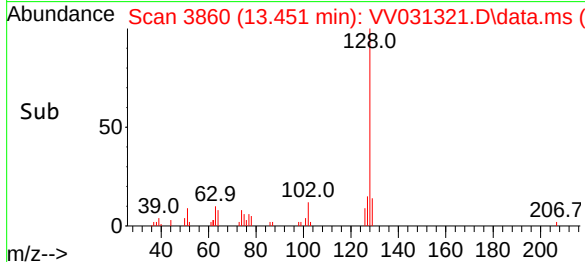
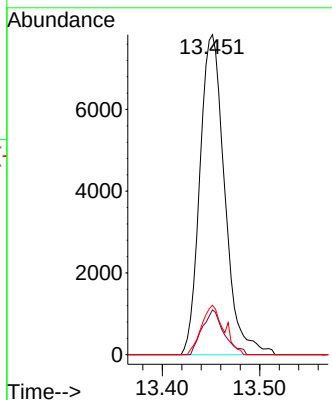
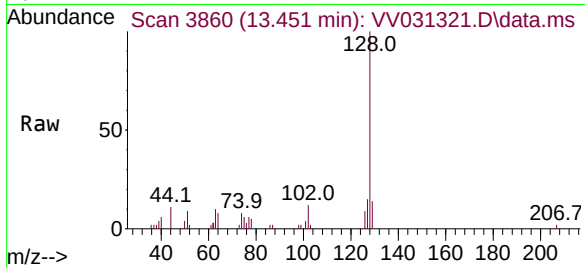




#71
Naphthalene
Concen: 0.714 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.5258

Tgt Ion:	128	Resp:	13863
Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.0	13.6
127	14.1	11.4	17.2



#72
1,2,3-Trichlorobenzene
Concen: 0.540 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV031321.D
Acq: 01 Jun 2023 16:26

Tgt Ion:	180	Resp:	6904
Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.4	113.0
145	36.8	27.8	41.6

