

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW081523\
 Data File : VW031798.D
 Acq On : 15 Aug 2023 09:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050396

Quant Time: Aug 16 01:59:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 28 22:38:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	355849	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	387090	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	249226	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	144511	39.836	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.680%
7) Chloroethane-d5	1.529	69	145145	43.660	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.320%
11) 1,1-Dichloroethene-d2	2.060	65	68670	40.895	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.800%
21) 2-Butanone-d5	3.786	46	252486	100.584	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.580%
24) Chloroform-d	4.252	84	360465	48.331	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.660%
26) 1,2-Dichloroethane-d4	4.944	65	218567	47.099	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.200%
32) Benzene-d6	4.963	84	553374	45.145	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
36) 1,2-Dichloropropane-d6	5.992	67	205927	44.724	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.440%
41) Toluene-d8	7.246	98	498406	48.510	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	7.555	79	89977	45.464	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.920%
47) 2-Hexanone-d5	8.027	63	169752	98.314	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.310%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	307824	48.522	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.040%
66) 1,2-Dichlorobenzene-d4	11.564	152	221526	43.900	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	224081	50.953	ug/L	100
3) Chloromethane	1.217	50	212139	50.718	ug/L	97
5) Vinyl chloride	1.282	62	222408	52.492	ug/L	100
6) Bromomethane	1.484	94	141580	48.481	ug/L	100
8) Chloroethane	1.548	64	146777	51.904	ug/L	99
9) Trichlorofluoromethane	1.712	101	371318	51.986	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	222963	54.039	ug/L	98
12) 1,1-Dichloroethene	2.069	96	179226	52.265	ug/L	91
13) Acetone	2.111	43	315294	131.225	ug/L	98
14) Carbon disulfide	2.240	76	418580	49.657	ug/L	99
15) Methyl Acetate	2.371	43	212139	50.702	ug/L	98
16) Methylene chloride	2.445	84	204447	53.067	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	158355	51.912	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	509072	50.728	ug/L	97
19) 1,1-Dichloroethane	3.114	63	362703	51.364	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	176649	51.278	ug/L	96
22) 2-Butanone	3.867	43	339706	124.305	ug/L	97
23) Bromochloromethane	4.150	128	102340	53.653	ug/L	98
25) Chloroform	4.278	83	390403	52.194	ug/L	98

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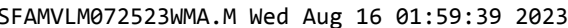
Instrument :
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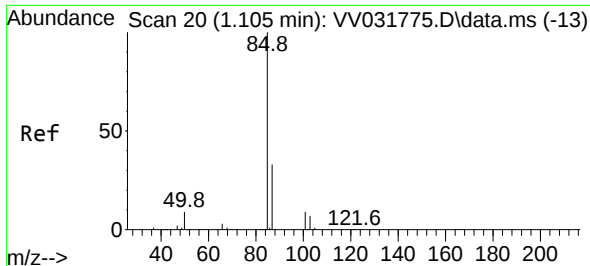
Quant Time: Aug 16 01:59:29 2023
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 28 22:38:33 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	295354	53.092	ug/L	98
29) Cyclohexane	4.587	56	231287	48.526	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	332186	49.958	ug/L	98
31) Carbon tetrachloride	4.738	117	297436	51.231	ug/L	98
33) Benzene	5.011	78	728824	53.530	ug/L	100
34) Trichloroethene	5.838	95	214381	49.897	ug/L	93
35) Methylcyclohexane	6.056	83	246840	51.652	ug/L	99
37) 1,2-Dichloropropane	6.095	63	219344	54.232	ug/L	100
38) Bromodichloromethane	6.436	83	291794	50.576	ug/L	98
39) cis-1,3-Dichloropropene	6.957	75	290114	50.526	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	562195	109.139	ug/L	97
42) Toluene	7.320	91	800165	57.223	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	295580	51.584	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	220681	54.073	ug/L	97
46) Tetrachloroethene	7.908	164	150297	55.364	ug/L	99
48) 2-Hexanone	8.079	43	506118	123.178	ug/L	96
49) Dibromochloromethane	8.178	129	232038	53.879	ug/L	99
50) 1,2-Dibromoethane	8.284	107	225509	52.450	ug/L	100
51) Chlorobenzene	8.818	112	488968	52.334	ug/L	99
52) Ethylbenzene	8.950	91	820239	54.129	ug/L	99
53) m,p-Xylene	9.079	106	312328	57.155	ug/L	98
54) o-Xylene	9.484	106	285289	54.472	ug/L	94
55) Styrene	9.500	104	571216	59.706	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	286921	50.701	ug/L #	95
59) Bromoform	9.667	173	168325	49.259	ug/L #	96
60) Isopropylbenzene	9.873	105	809042	52.015	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	286985	49.092	ug/L	98
62) 1,3,5-Trimethylbenzene	10.480	105	631710	50.195	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	660254	51.825	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	420559	51.725	ug/L	98
65) 1,4-Dichlorobenzene	11.214	146	452488	52.352	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	432838	51.703	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	75263	46.289	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	292591	49.340	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	244587	46.102	ug/L	100
71) Naphthalene	13.445	128	715874	46.811	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	285047	51.399	ug/L	97

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

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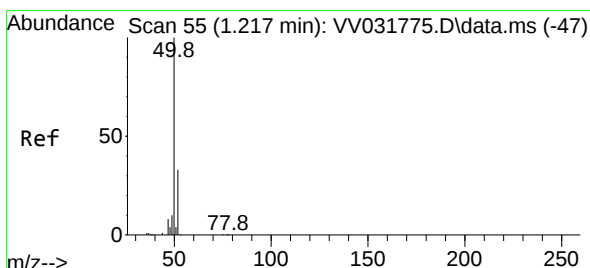
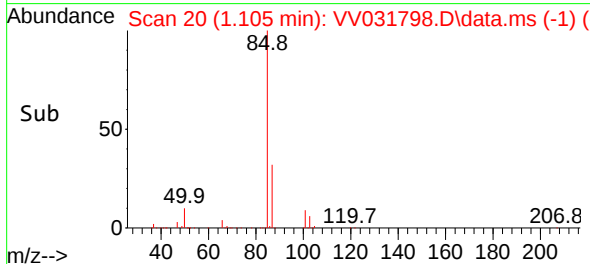
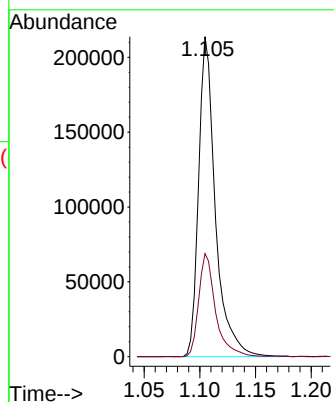
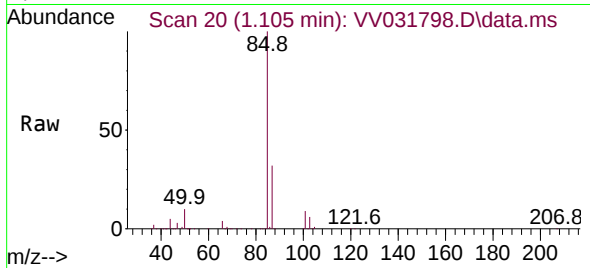




#2
Dichlorodifluoromethane
Concen: 50.953 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

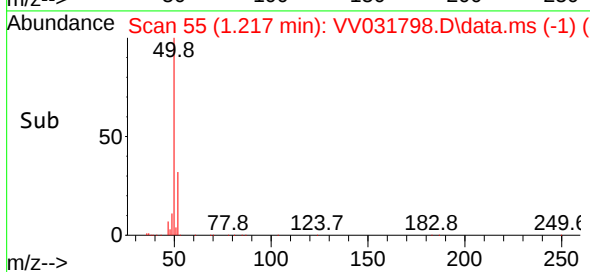
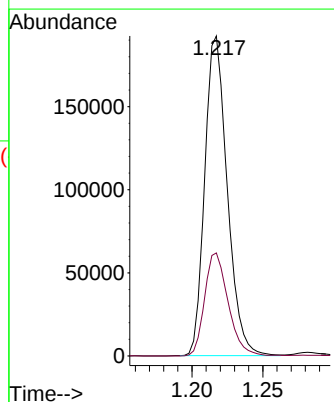
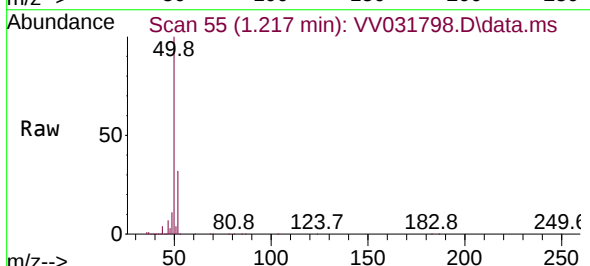
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

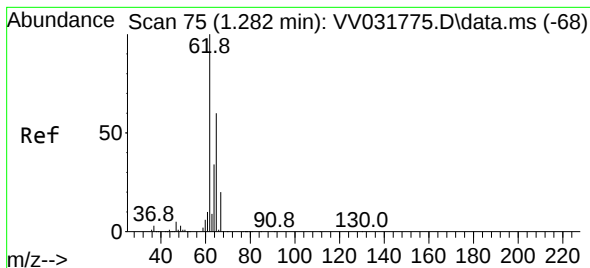
Tgt Ion: 85 Resp: 224081
Ion Ratio Lower Upper
85 100
87 32.4 25.8 38.6



#3
Chloromethane
Concen: 50.718 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 50 Resp: 212139
Ion Ratio Lower Upper
50 100
52 32.2 23.7 44.1





#5

Vinyl chloride

Concen: 52.492 ug/L

RT: 1.282 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

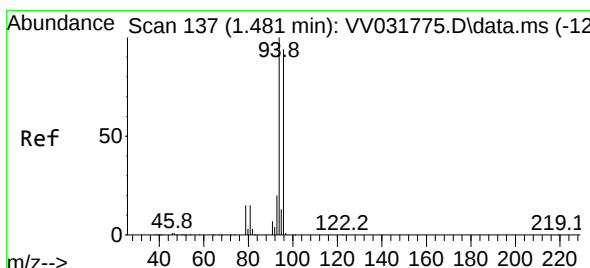
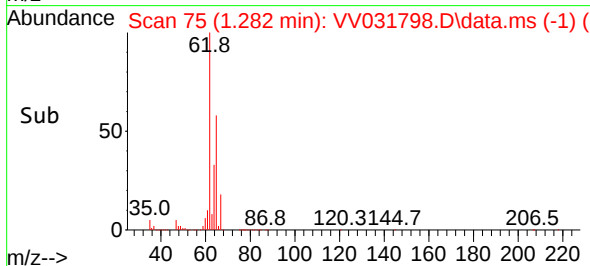
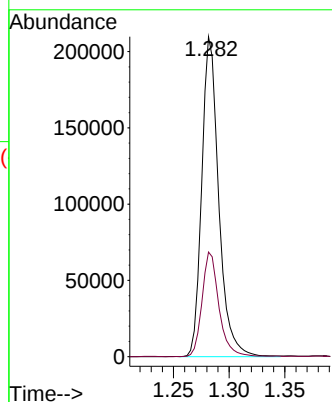
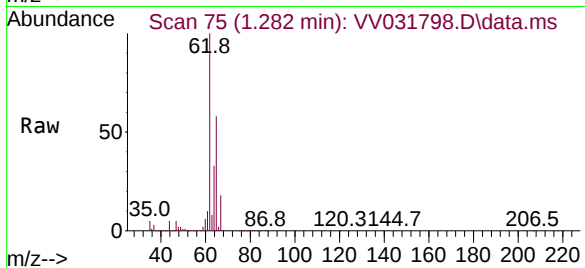
VSTD050396

Tgt Ion: 62 Resp: 222408

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 48.481 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.003 min

Lab File: VV031798.D

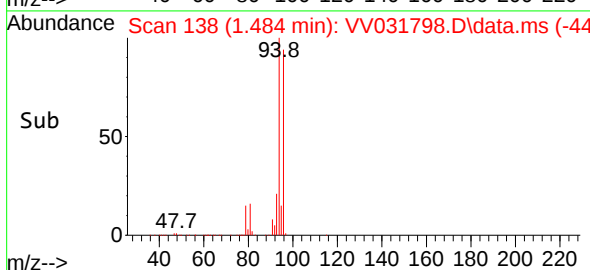
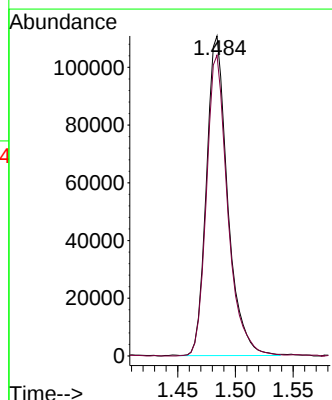
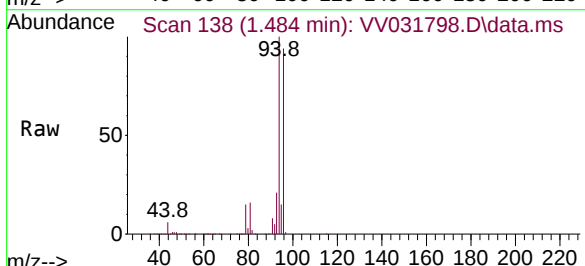
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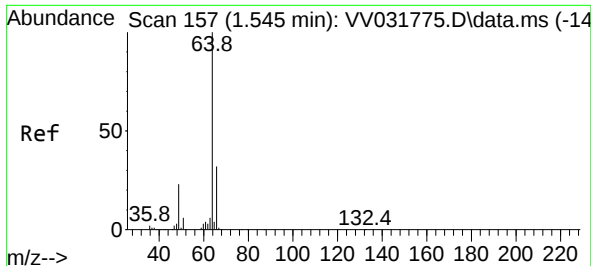
Tgt Ion: 94 Resp: 141580

Ion Ratio Lower Upper

94 100

96 94.0 65.7 121.9

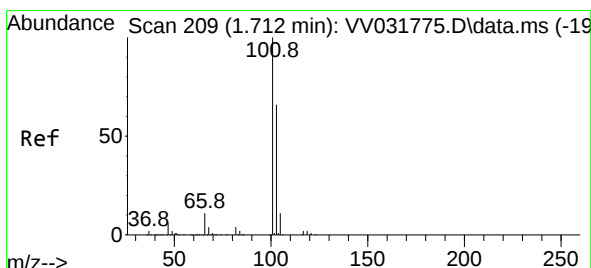
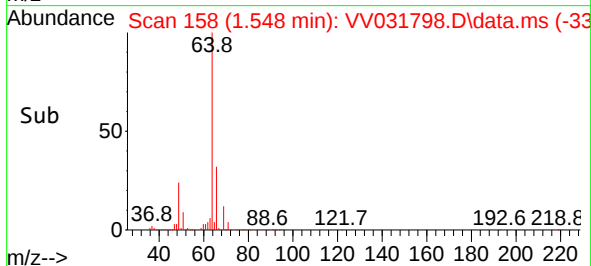
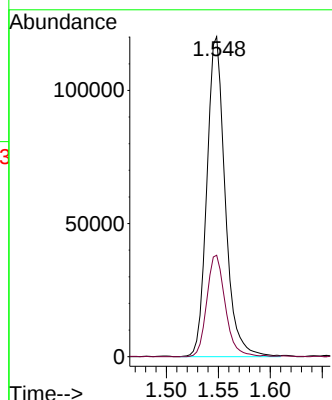
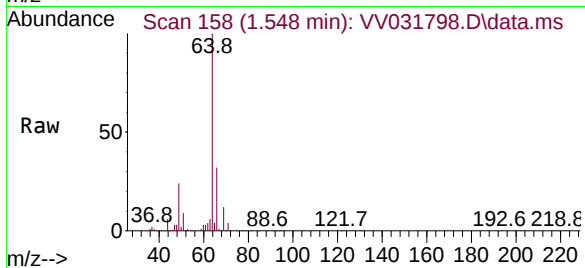




#8
Chloroethane
Concen: 51.904 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

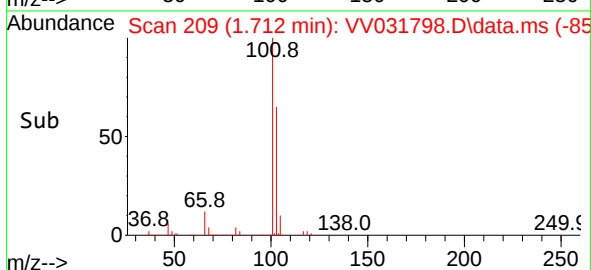
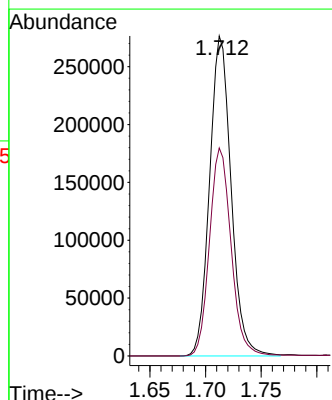
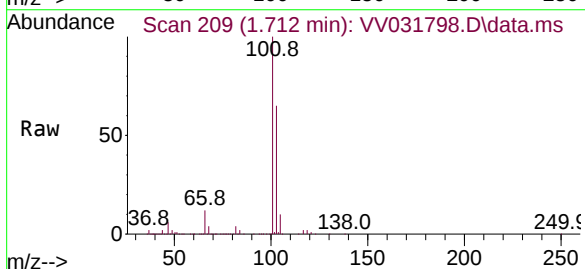
Instrument :
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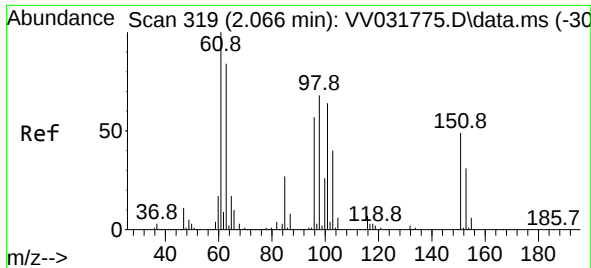
Tgt Ion: 64 Resp: 146777
Ion Ratio Lower Upper
64 100
66 31.7 22.4 41.6



#9
Trichlorofluoromethane
Concen: 51.986 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 101 Resp: 371318
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5

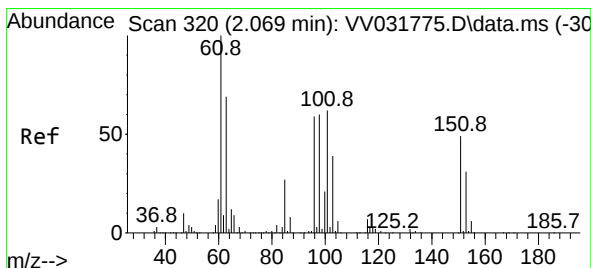
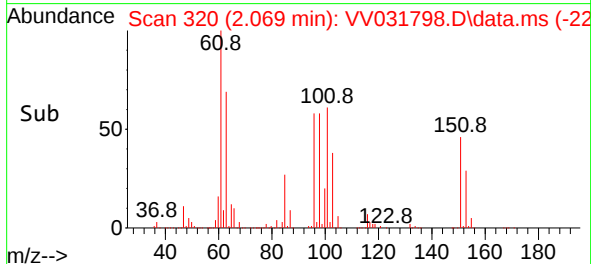
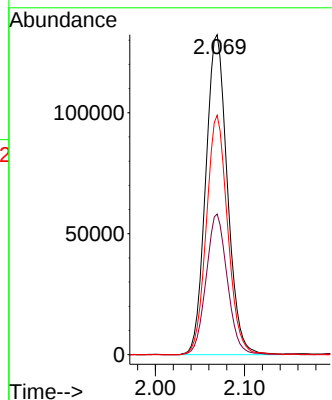
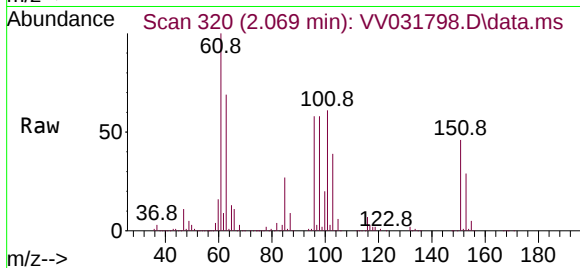




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 54.039 ug/L
 RT: 2.069 min Scan# 319
 Delta R.T. 0.003 min
 Lab File: VV031798.D
 Acq: 15 Aug 2023 09:22

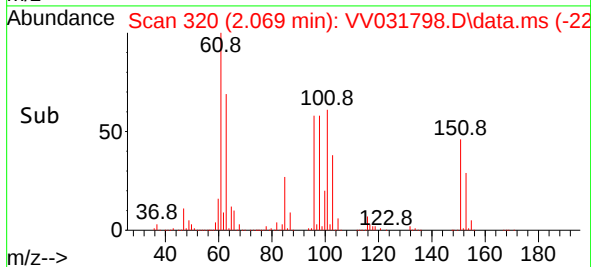
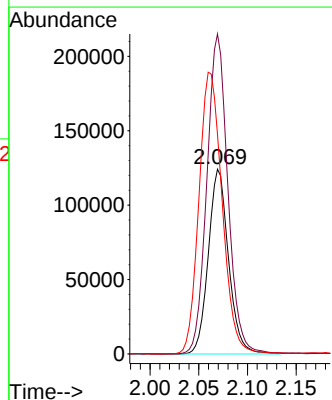
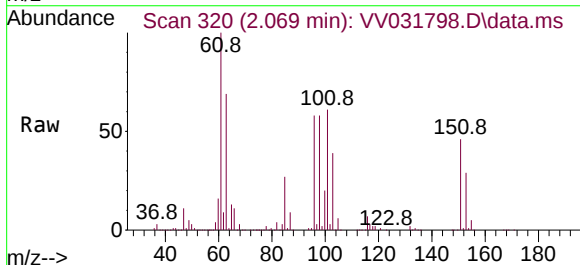
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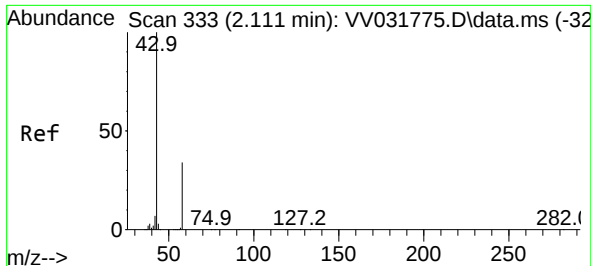
Tgt Ion:101 Resp: 222963
 Ion Ratio Lower Upper
 101 100
 85 43.1 33.9 50.9
 151 73.8 61.0 91.6



#12
 1,1-Dichloroethene
 Concen: 52.265 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV031798.D
 Acq: 15 Aug 2023 09:22

Tgt Ion: 96 Resp: 179226
 Ion Ratio Lower Upper
 96 100
 61 173.2 118.3 219.7
 63 119.0 96.8 179.8





#13

Acetone

Concen: 131.225 ug/L

RT: 2.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

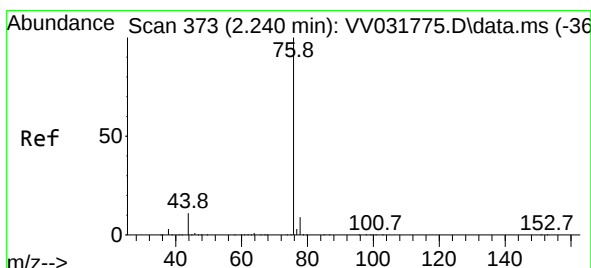
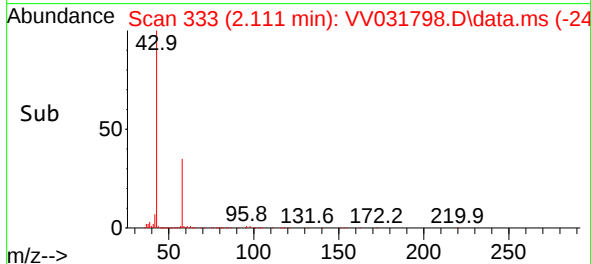
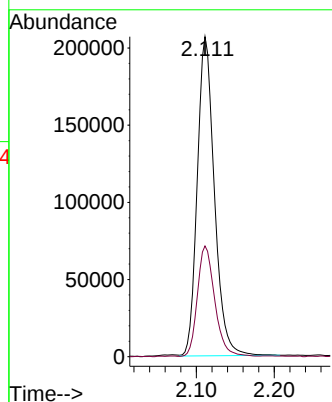
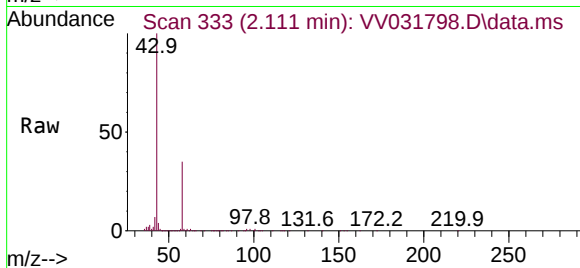
VSTD050396

Tgt Ion: 43 Resp: 315294

Ion Ratio Lower Upper

43 100

58 35.0 0.0 72.0



#14

Carbon disulfide

Concen: 49.657 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.000 min

Lab File: VV031798.D

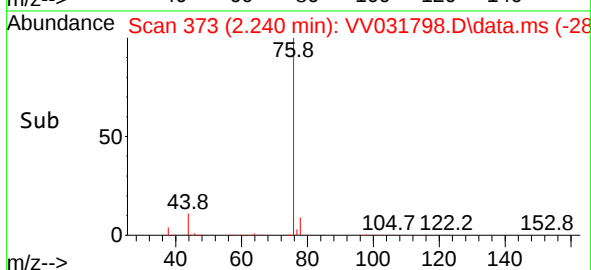
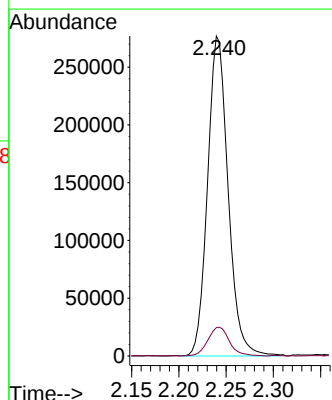
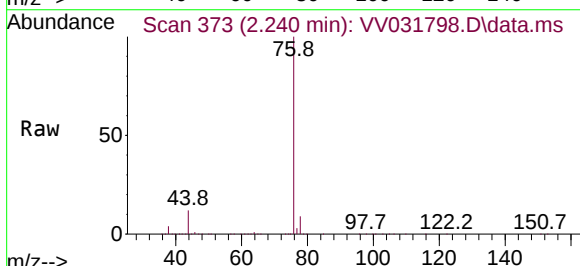
Acq: 15 Aug 2023 09:22

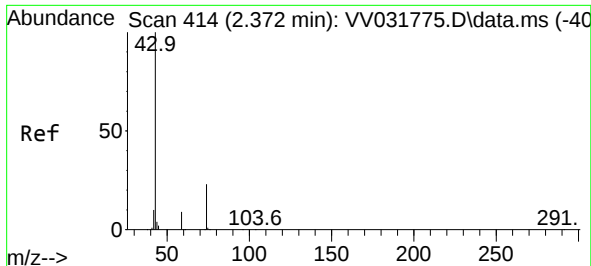
Tgt Ion: 76 Resp: 418580

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

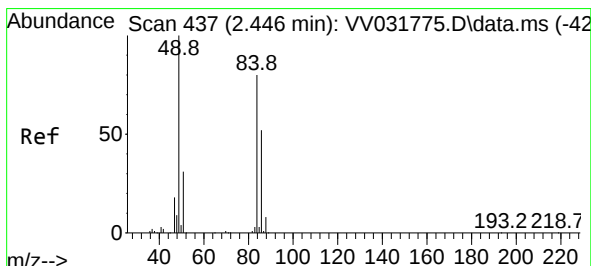
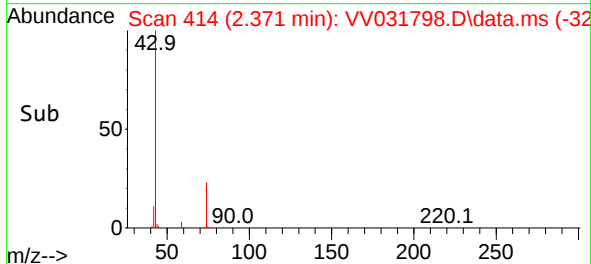
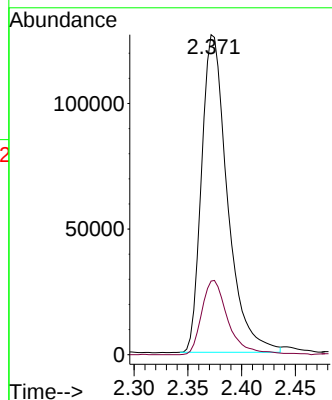
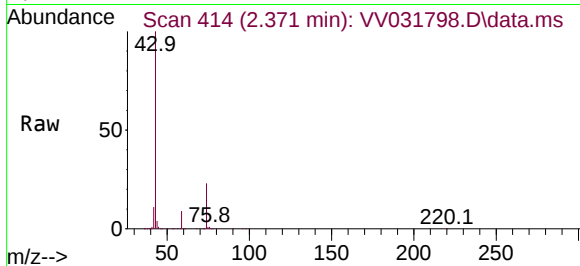




#15
Methyl Acetate
Concen: 50.702 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

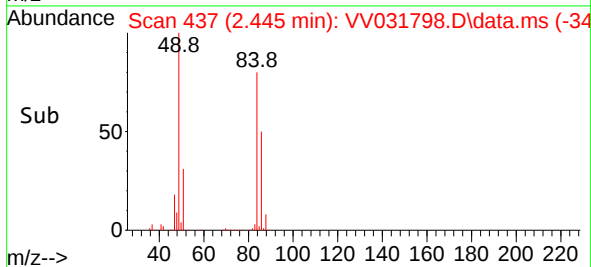
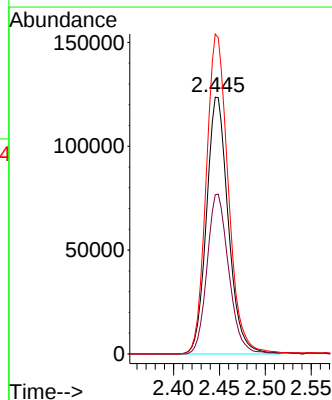
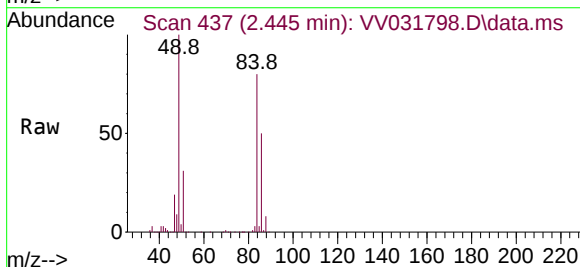
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

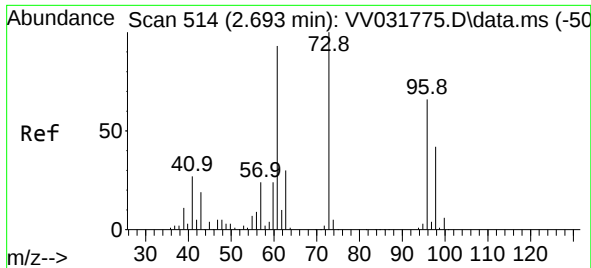
Tgt Ion: 43 Resp: 212139
Ion Ratio Lower Upper
43 100
74 23.3 19.5 29.3



#16
Methylene chloride
Concen: 53.067 ug/L
RT: 2.445 min Scan# 437
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 84 Resp: 204447
Ion Ratio Lower Upper
84 100
86 62.0 44.5 82.7
49 124.6 85.3 158.5

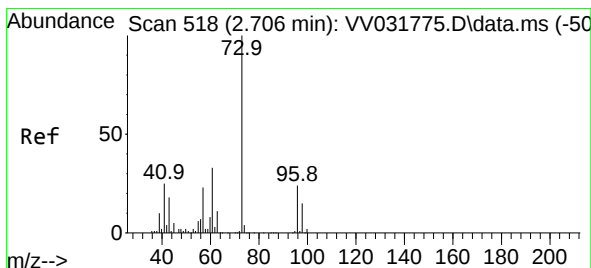
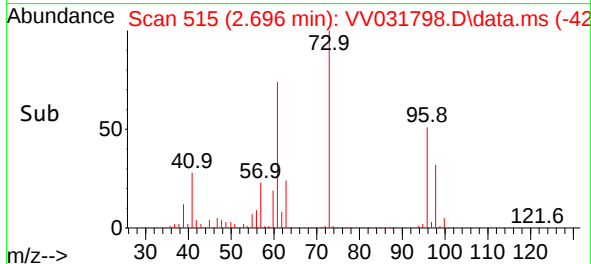
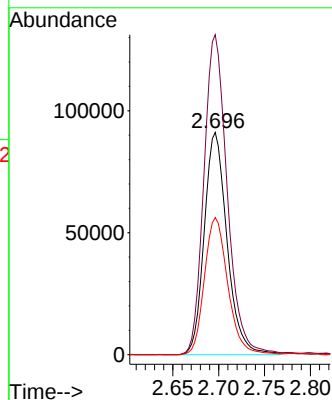
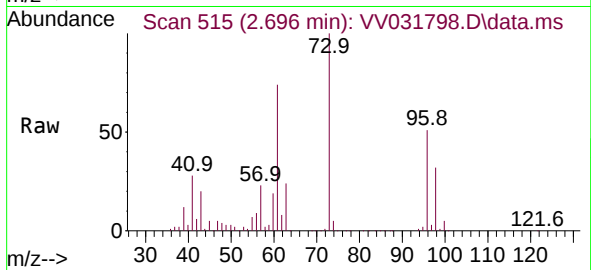




#17
trans-1,2-Dichloroethene
Concen: 51.912 ug/L
RT: 2.696 min Scan# 514
Delta R.T. 0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

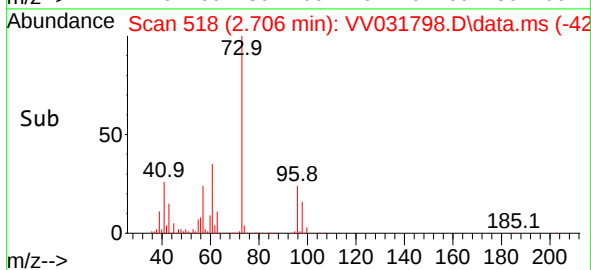
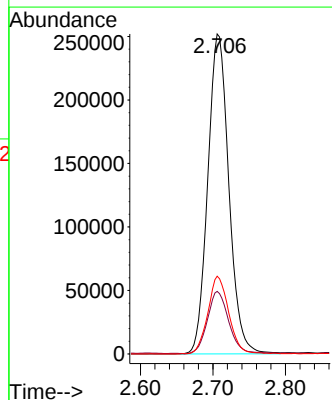
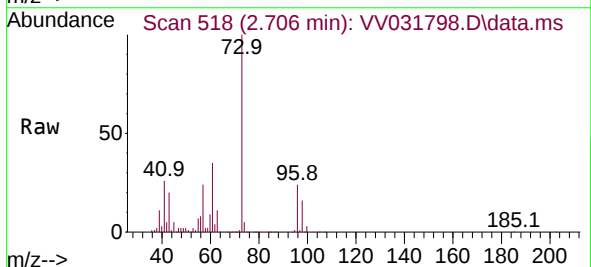
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

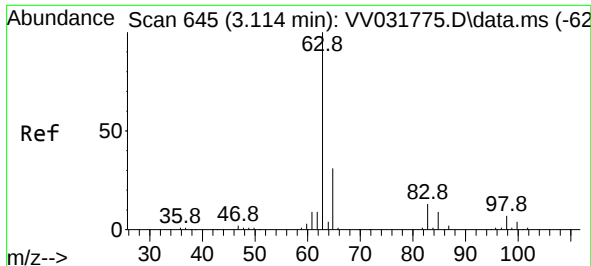
Tgt Ion: 96 Resp: 158355
Ion Ratio Lower Upper
96 100
61 144.0 101.6 188.6
98 61.7 44.7 82.9



#18
Methyl tert-butyl Ether
Concen: 50.728 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 73 Resp: 509072
Ion Ratio Lower Upper
73 100
43 20.0 15.0 22.4
57 24.0 18.3 27.5





#19

1,1-Dichloroethane

Concen: 51.364 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050396

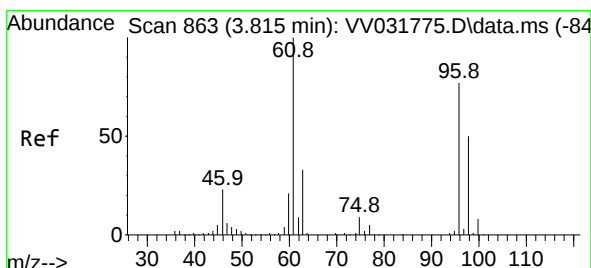
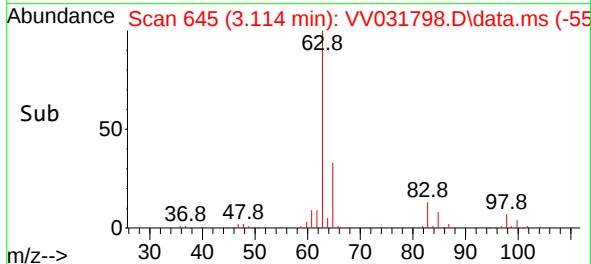
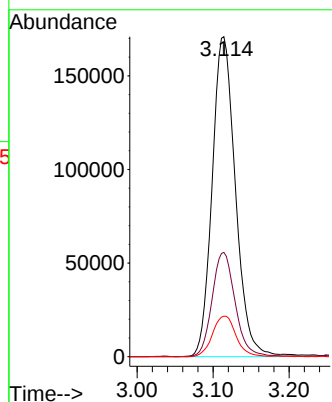
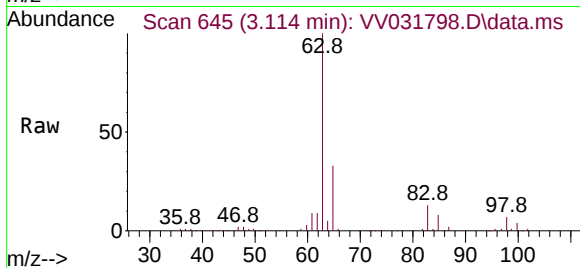
Tgt Ion: 63 Resp: 362703

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 12.7 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 51.278 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.003 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

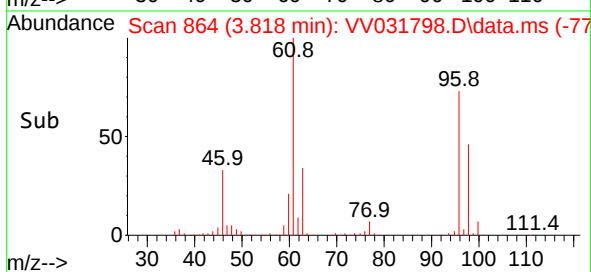
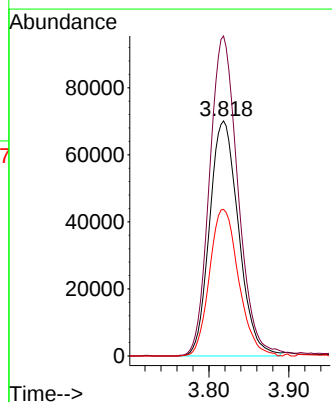
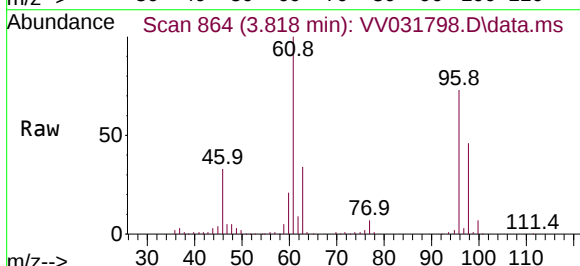
Tgt Ion: 96 Resp: 176649

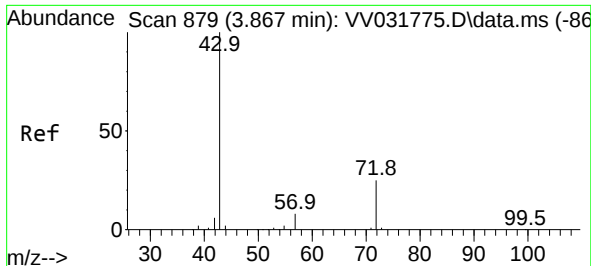
Ion Ratio Lower Upper

96 100

61 136.2 90.6 168.2

98 62.3 43.8 81.3

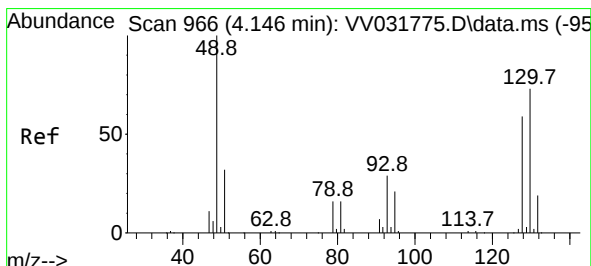
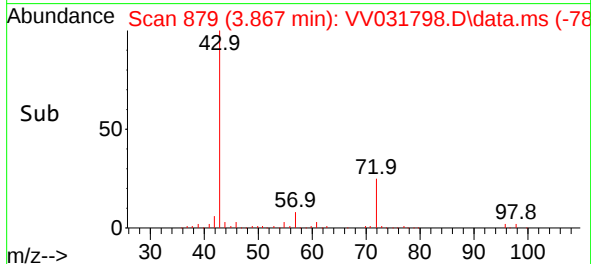
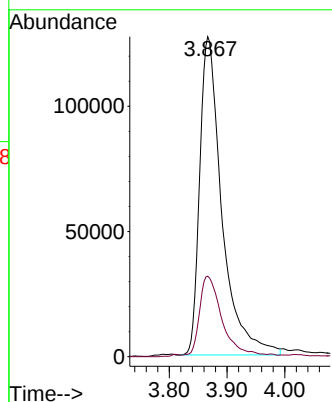
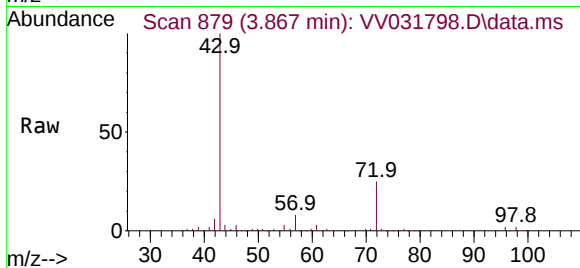




#22
2-Butanone
Concen: 124.305 ug/L
RT: 3.867 min Scan# 81
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

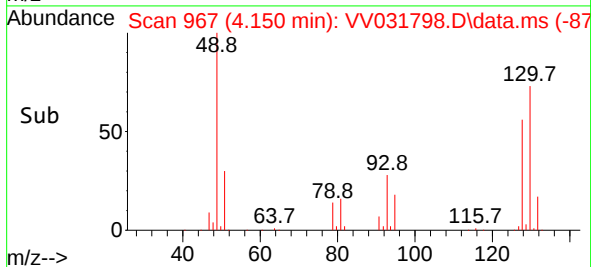
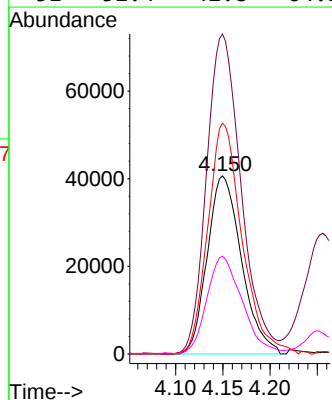
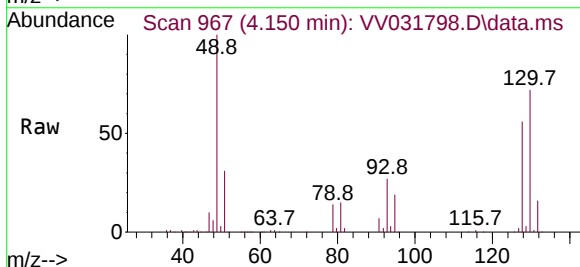
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

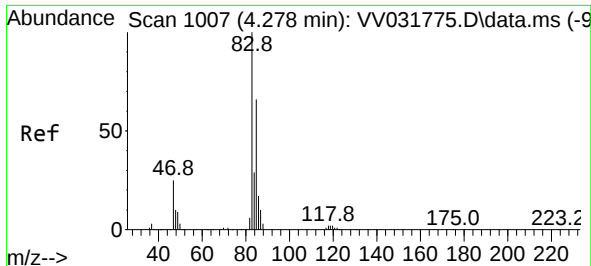
Tgt Ion: 43 Resp: 339706
Ion Ratio Lower Upper
43 100
72 23.9 12.7 38.0



#23
Bromochloromethane
Concen: 53.653 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion:128 Resp: 102340
Ion Ratio Lower Upper
128 100
49 171.4 117.9 218.9
130 125.8 89.1 165.5
51 52.4 42.8 64.2

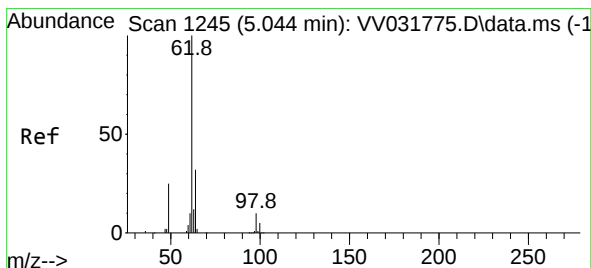
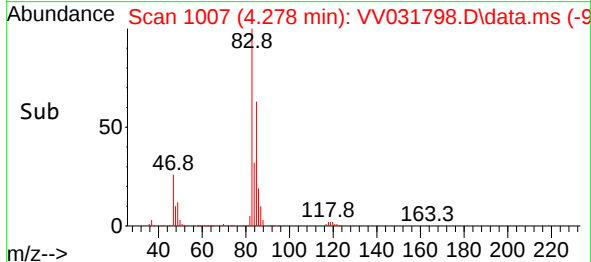
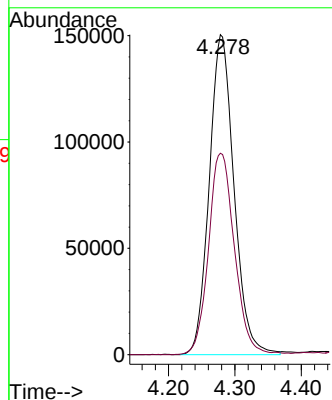
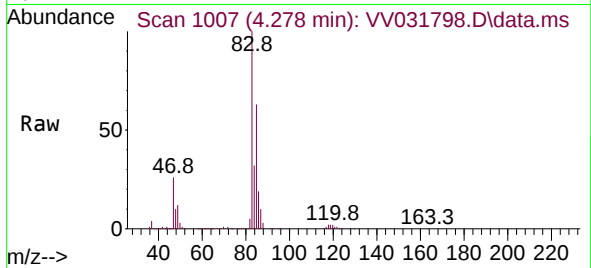




#25
Chloroform
Concen: 52.194 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

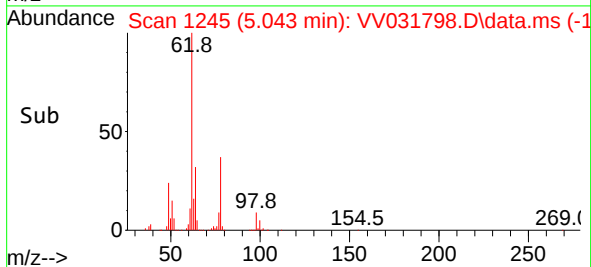
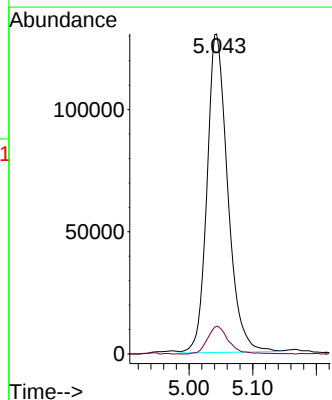
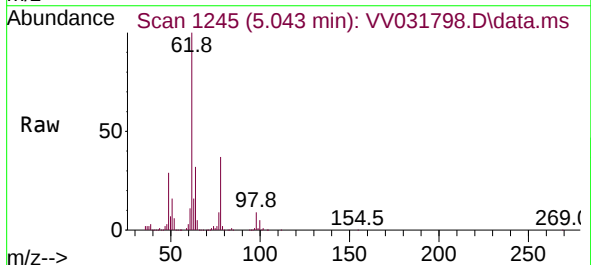
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

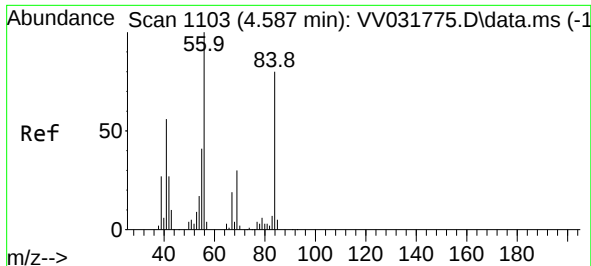
Tgt Ion: 83 Resp: 390403
Ion Ratio Lower Upper
83 100
85 62.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 53.092 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 62 Resp: 295354
Ion Ratio Lower Upper
62 100
98 8.7 7.5 11.3





#29

Cyclohexane

Concen: 48.526 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050396

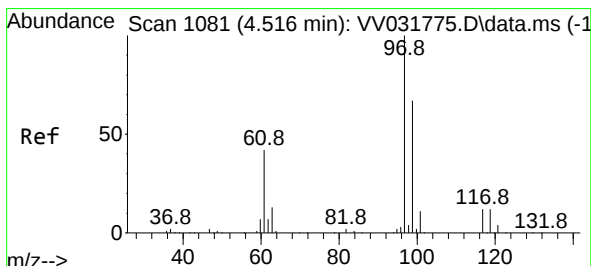
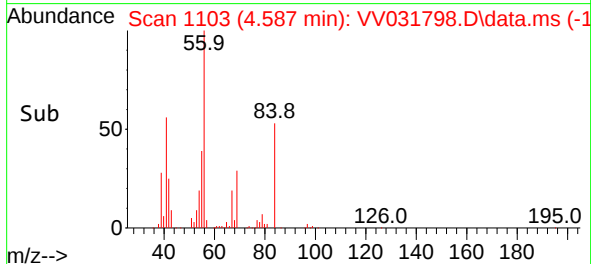
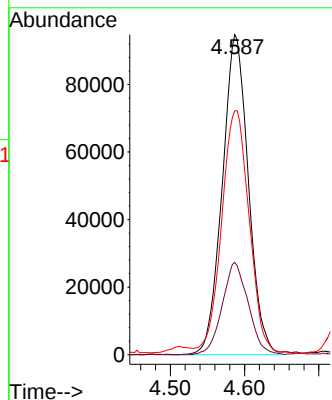
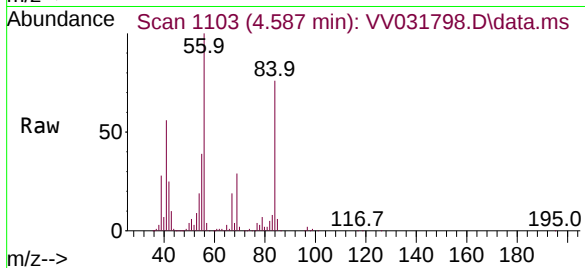
Tgt Ion: 56 Resp: 231287

Ion Ratio Lower Upper

56 100

69 28.7 24.1 36.1

84 78.8 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 49.958 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

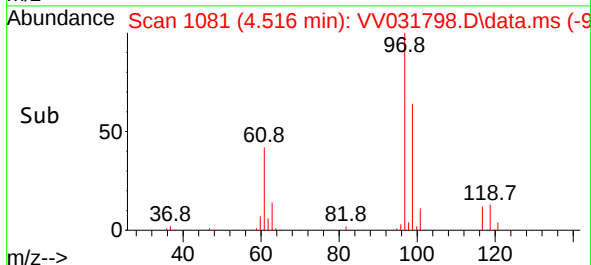
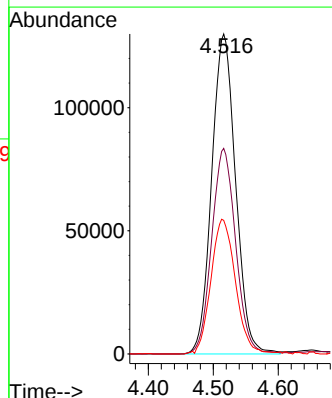
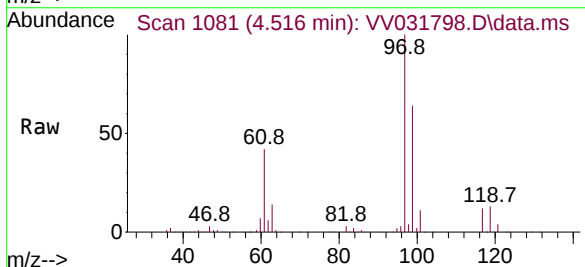
Tgt Ion: 97 Resp: 332186

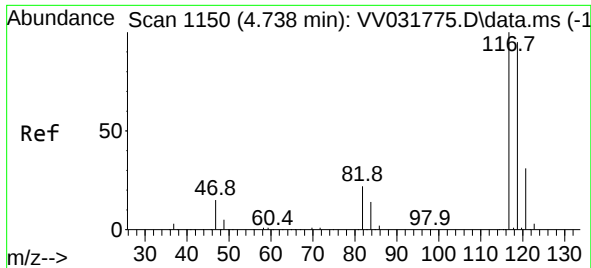
Ion Ratio Lower Upper

97 100

99 64.1 51.5 77.3

61 42.9 32.2 48.2

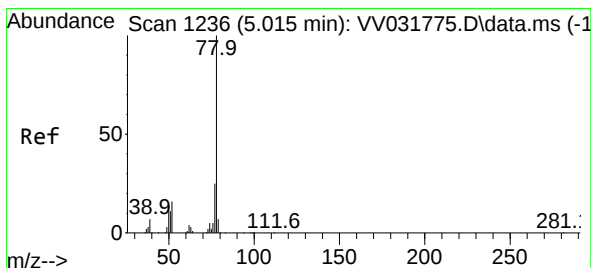
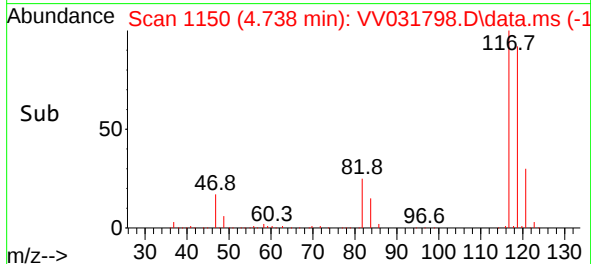
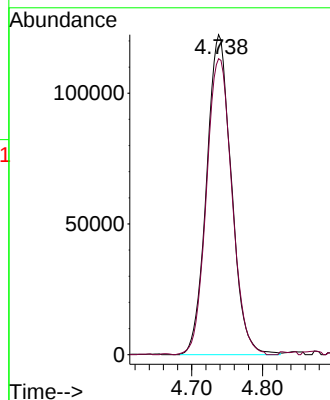
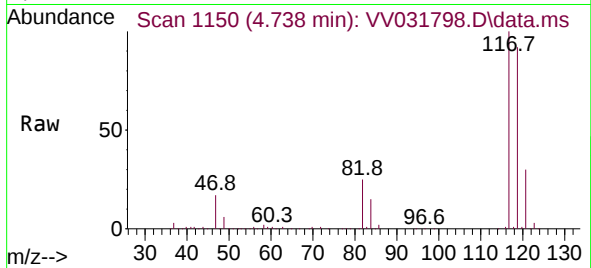




#31
Carbon tetrachloride
Concen: 51.231 ug/L
RT: 4.738 min Scan# 1150
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

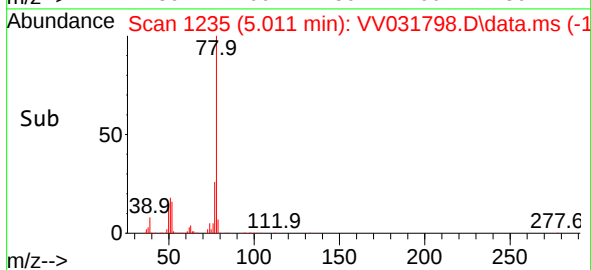
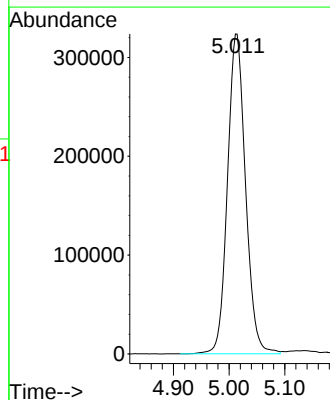
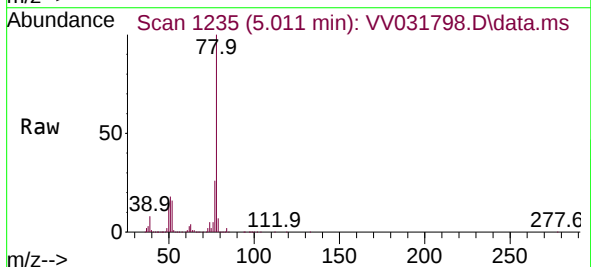
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

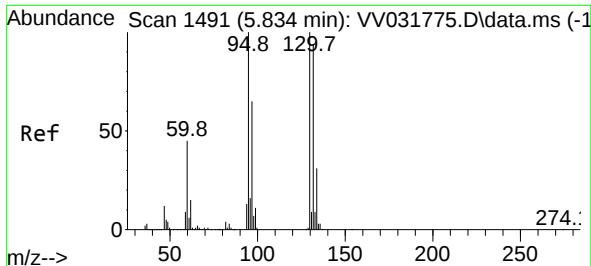
Tgt Ion:117 Resp: 297436
Ion Ratio Lower Upper
117 100
119 95.3 78.0 117.0



#33
Benzene
Concen: 53.530 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. -0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 78 Resp: 728824

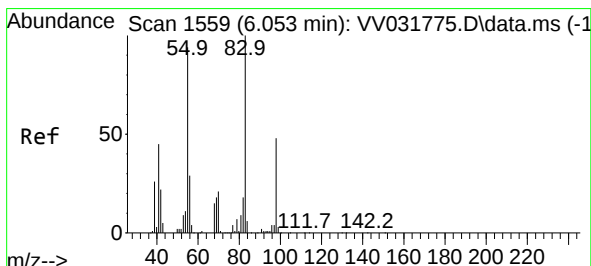
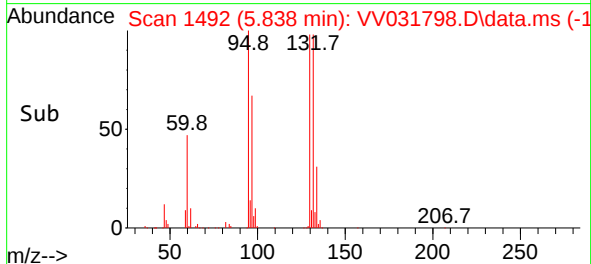
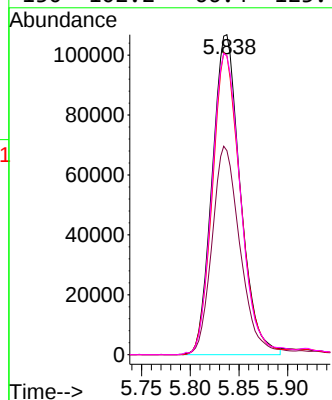
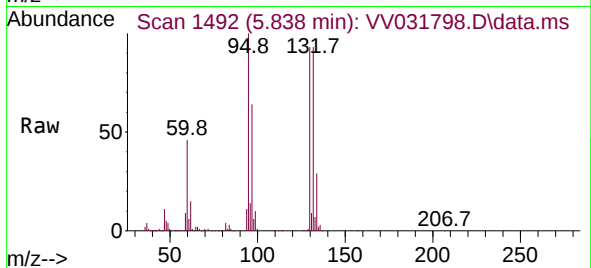




#34
Trichloroethene
Concen: 49.897 ug/L
RT: 5.838 min Scan# 1491
Delta R.T. 0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

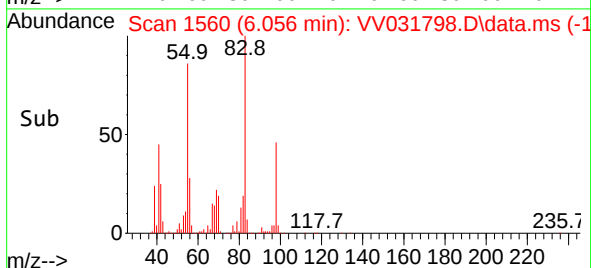
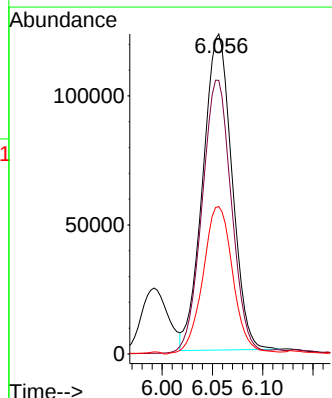
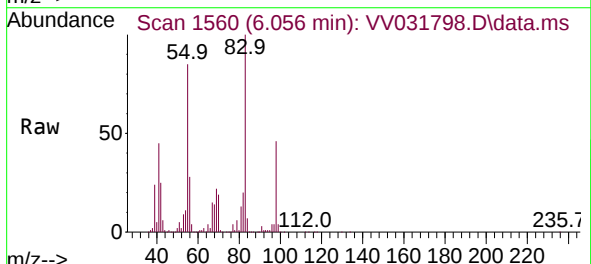
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

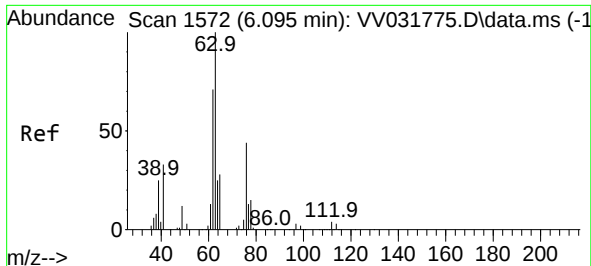
Tgt Ion:	95	Resp:	214381
Ion	Ratio	Lower	Upper
95	100		
97	63.8	47.0	87.2
132	100.8	64.8	120.4
130	102.2	66.4	123.4



#35
Methylcyclohexane
Concen: 51.652 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion:	83	Resp:	246840
Ion	Ratio	Lower	Upper
83	100		
55	87.7	69.4	104.2
98	48.1	38.2	57.2





#37

1,2-Dichloropropane

Concen: 54.232 ug/L

RT: 6.095 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

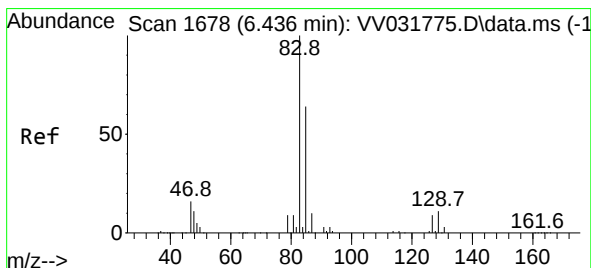
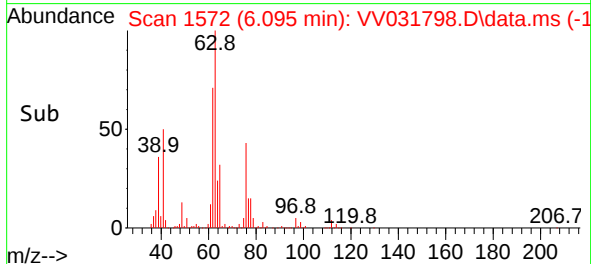
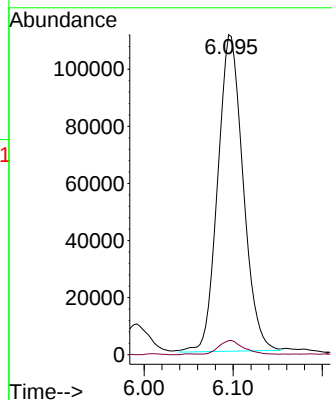
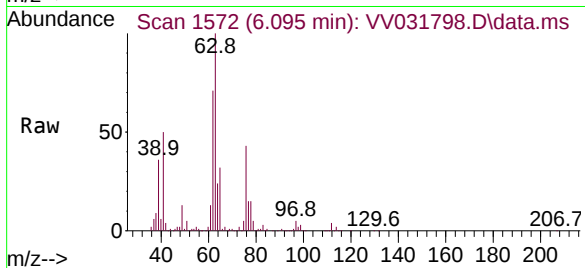
VSTD050396

Tgt Ion: 63 Resp: 219344

Ion Ratio Lower Upper

63 100

112 4.5 3.7 5.5



#38

Bromodichloromethane

Concen: 50.576 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

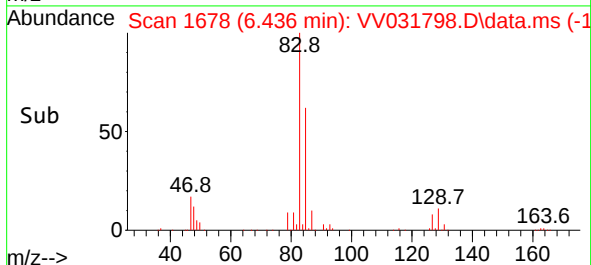
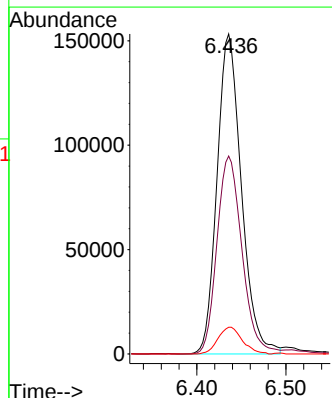
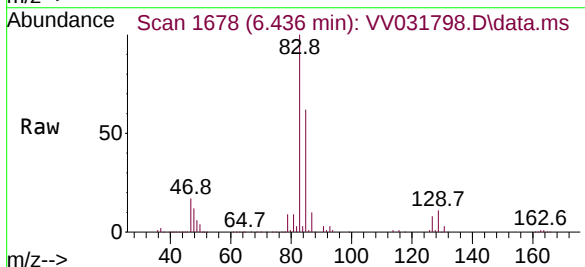
Tgt Ion: 83 Resp: 291794

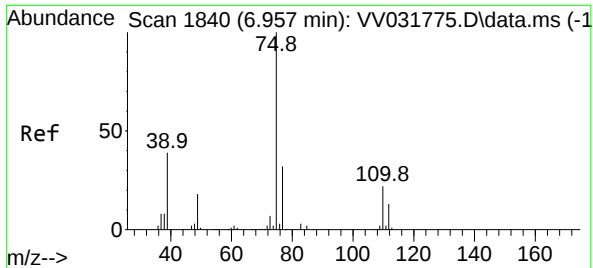
Ion Ratio Lower Upper

83 100

85 61.8 44.2 82.0

127 9.3 7.8 11.6





#39

cis-1,3-Dichloropropene

Concen: 50.526 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

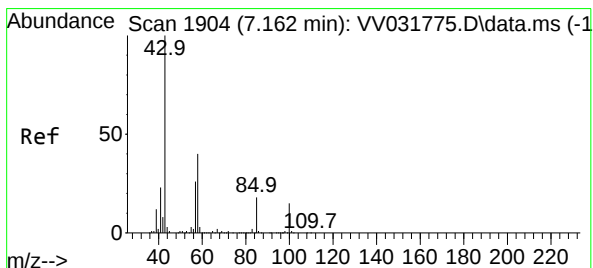
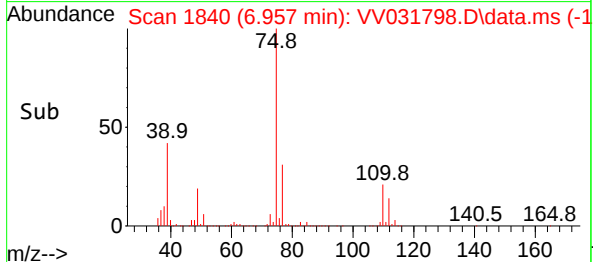
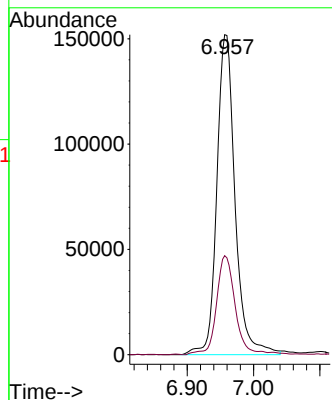
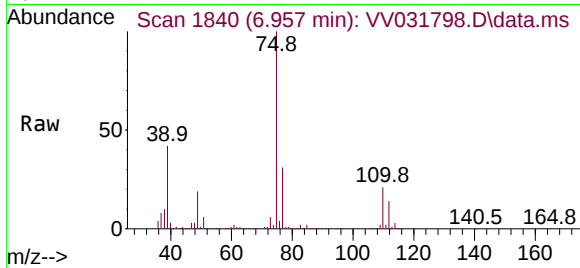
VSTD050396

Tgt Ion: 75 Resp: 290114

Ion Ratio Lower Upper

75 100

77 31.0 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 109.139 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

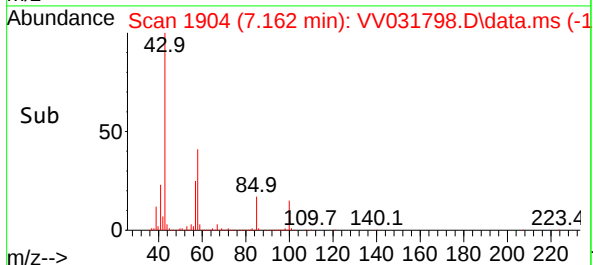
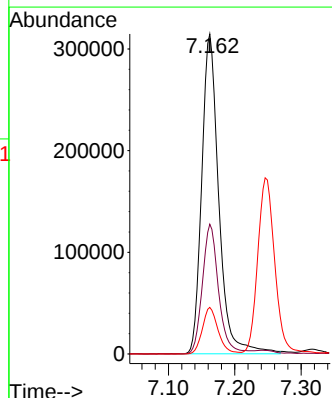
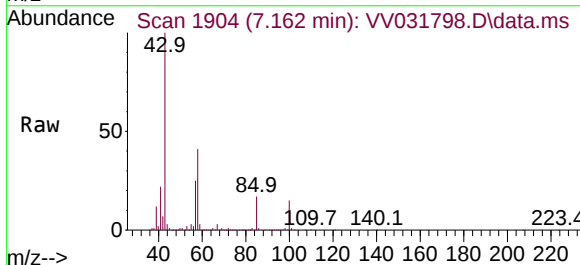
Tgt Ion: 43 Resp: 562195

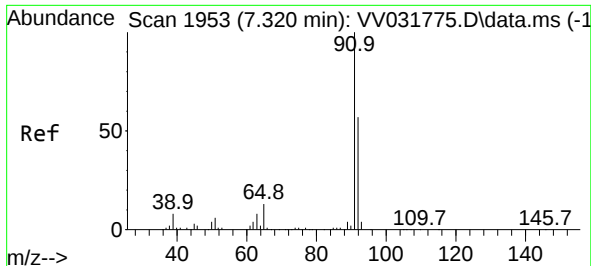
Ion Ratio Lower Upper

43 100

58 38.6 32.1 48.1

100 13.5 12.1 18.1





#42

Toluene

Concen: 57.223 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

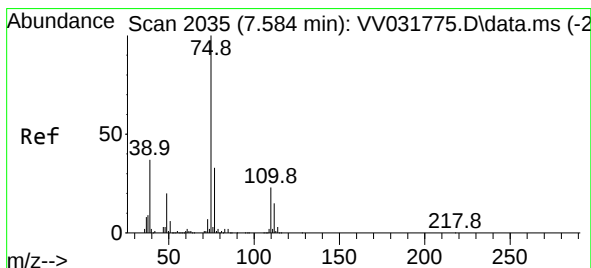
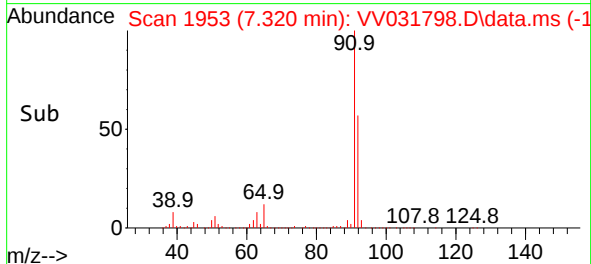
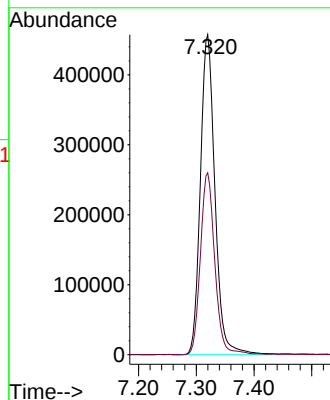
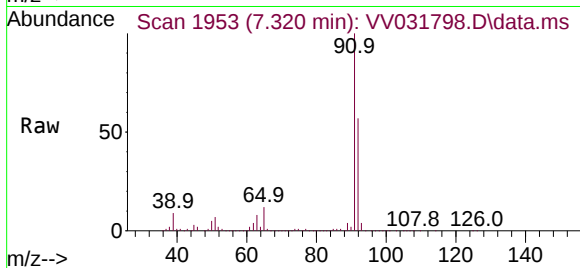
VSTD050396

Tgt Ion: 91 Resp: 800165

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 51.584 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. -0.000 min

Lab File: VV031798.D

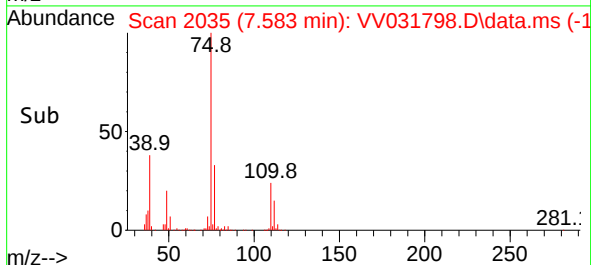
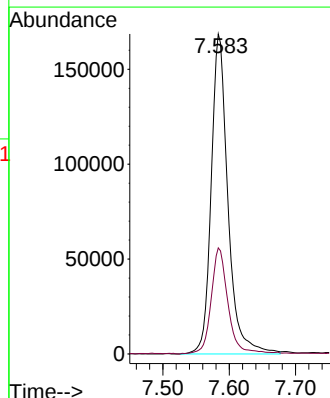
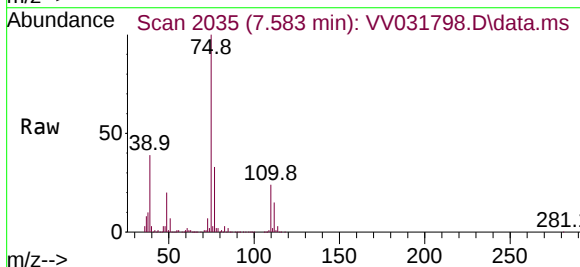
Acq: 15 Aug 2023 09:22

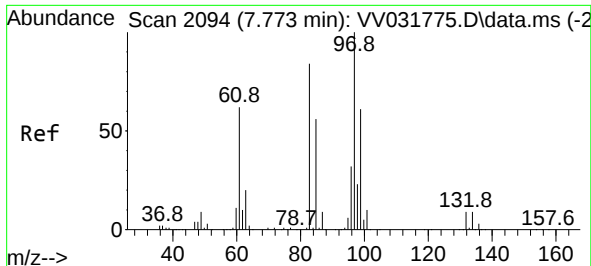
Tgt Ion: 75 Resp: 295580

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.3





#45

1,1,2-Trichloroethane

Concen: 54.073 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050396

Tgt Ion: 97 Resp: 220681

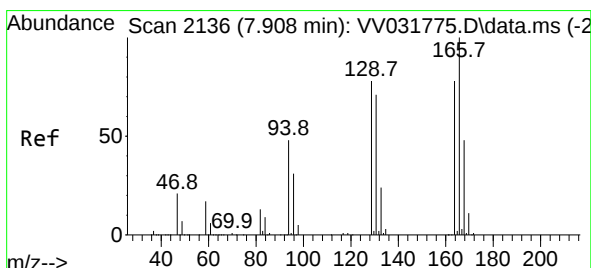
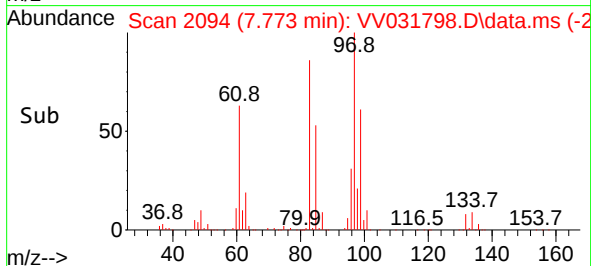
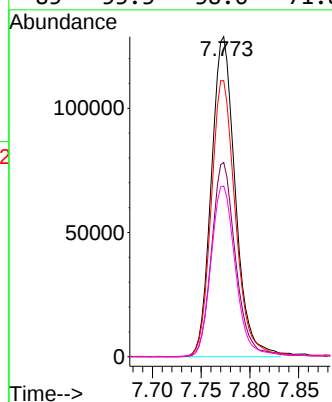
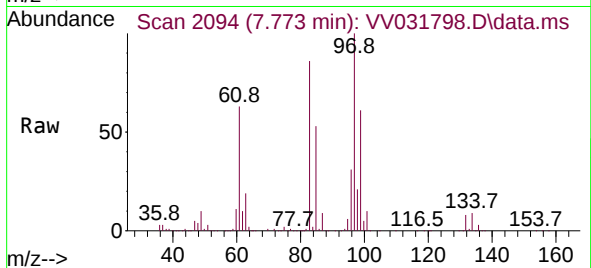
Ion Ratio Lower Upper

97 100

99 60.7 45.2 84.0

83 86.2 59.5 110.5

85 53.3 38.6 71.8



#46

Tetrachloroethene

Concen: 55.364 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Tgt Ion:164 Resp: 150297

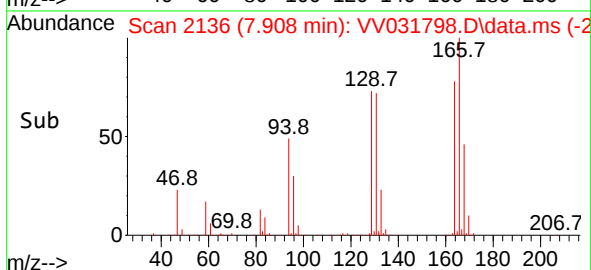
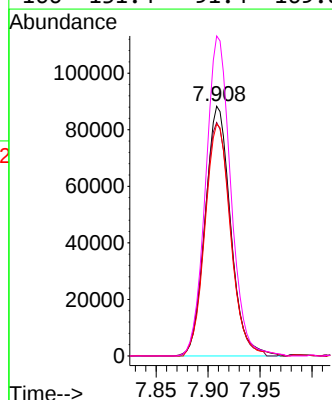
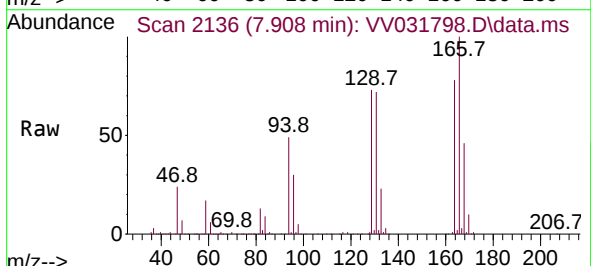
Ion Ratio Lower Upper

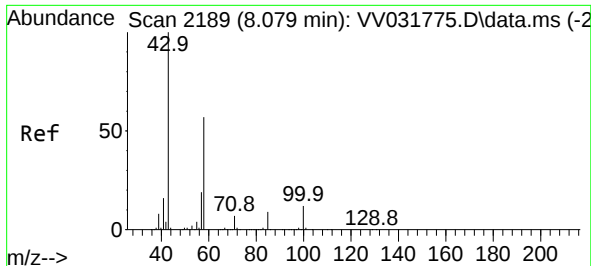
164 100

129 93.5 65.2 121.0

131 94.9 67.1 124.7

166 131.4 91.4 169.8

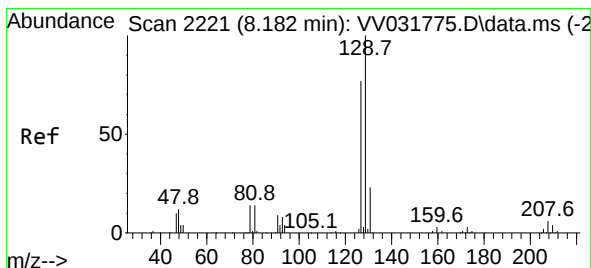
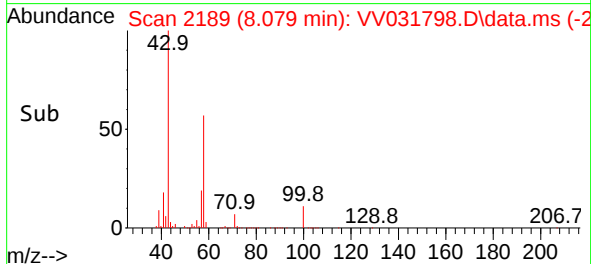
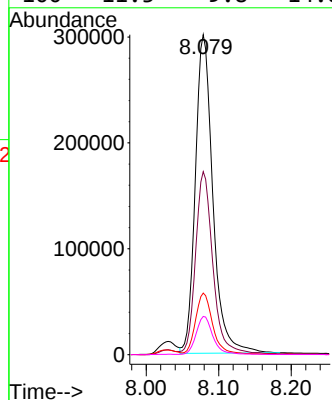
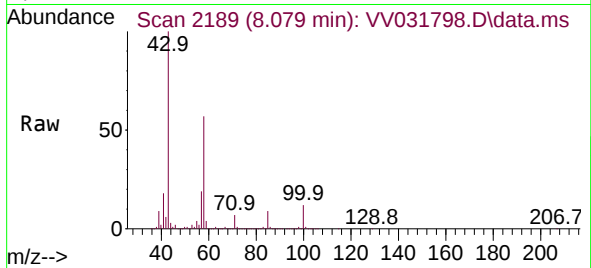




#48
2-Hexanone
Concen: 123.178 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

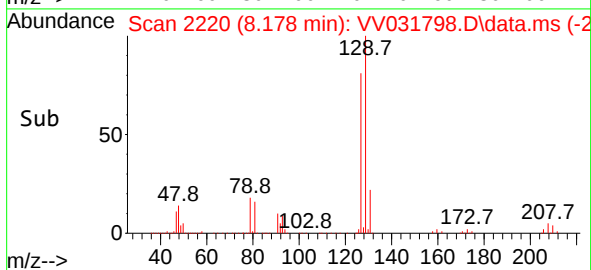
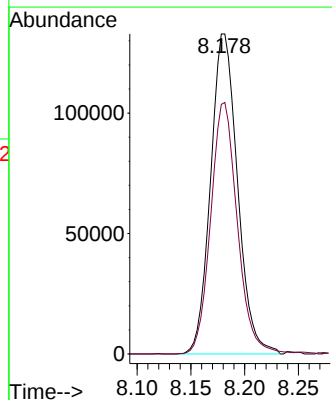
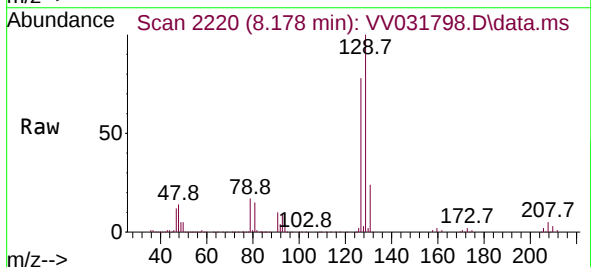
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

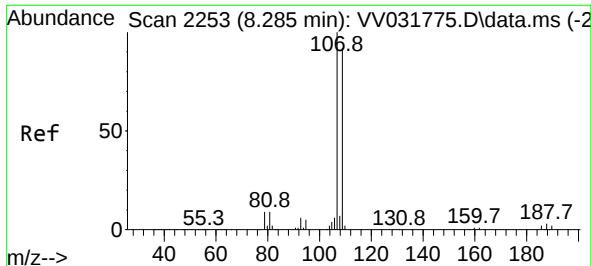
Tgt Ion:	43	Resp:	506118
Ion	Ratio	Lower	Upper
43	100		
58	55.1	46.3	69.5
57	18.6	16.8	25.2
100	11.3	9.8	14.8



#49
Dibromochloromethane
Concen: 53.879 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. -0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion:	129	Resp:	232038
Ion	Ratio	Lower	Upper
129	100		
127	78.0	55.2	102.6





#50

1,2-Dibromoethane

Concen: 52.450 ug/L

RT: 8.284 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050396

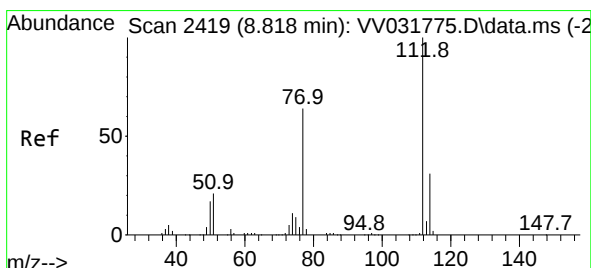
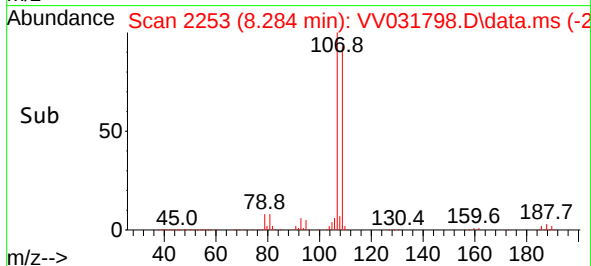
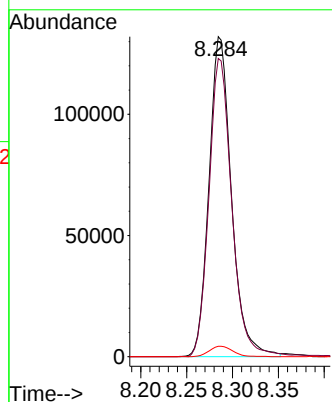
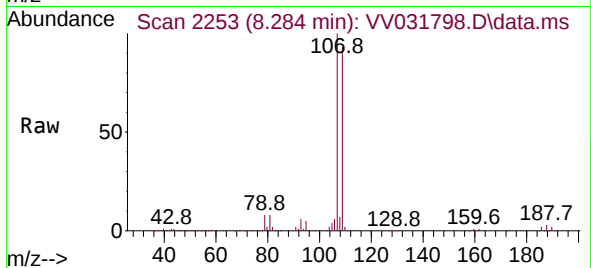
Tgt Ion:107 Resp: 225509

Ion Ratio Lower Upper

107 100

109 93.2 65.4 121.4

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 52.334 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

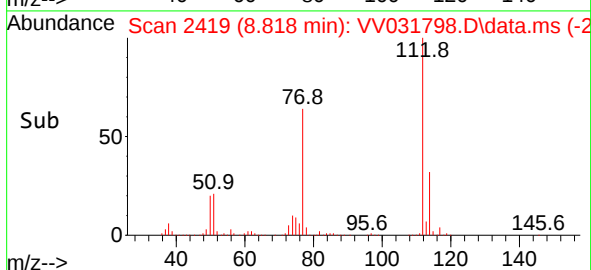
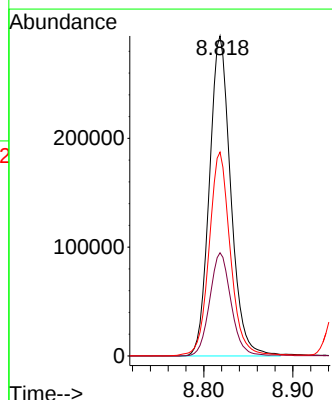
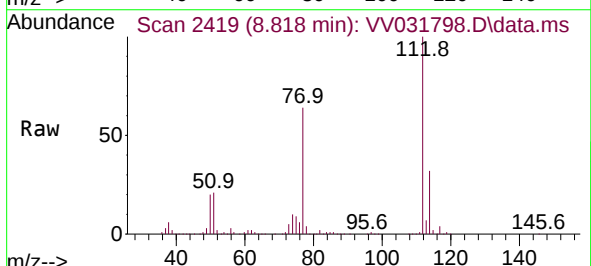
Tgt Ion:112 Resp: 488968

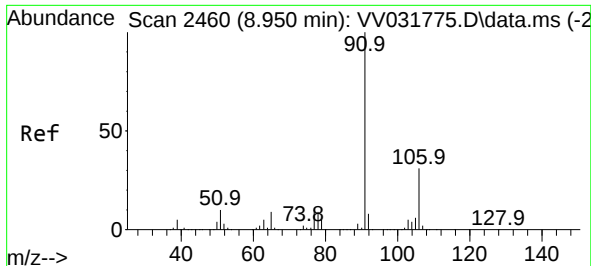
Ion Ratio Lower Upper

112 100

114 32.3 22.2 41.2

77 63.7 50.6 76.0





#52

Ethylbenzene

Concen: 54.129 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

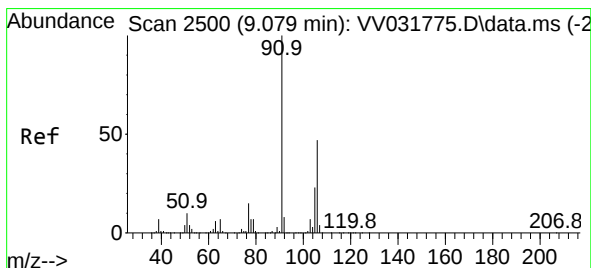
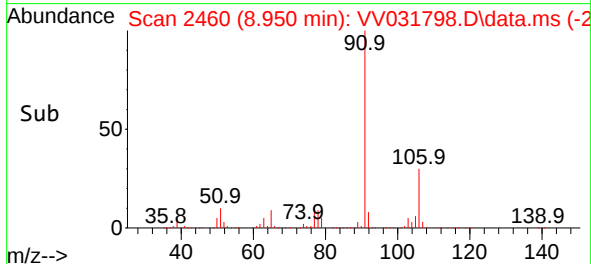
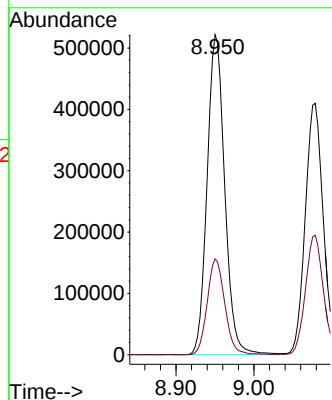
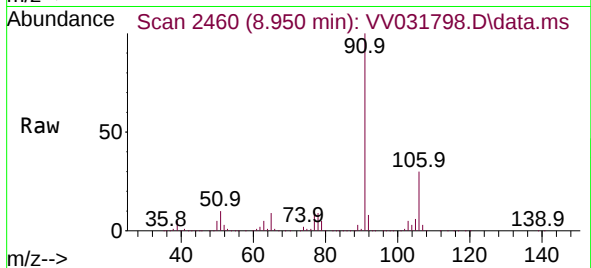
VSTD050396

Tgt Ion: 91 Resp: 820239

Ion Ratio Lower Upper

91 100

106 29.9 21.5 39.9



#53

m,p-Xylene

Concen: 57.155 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031798.D

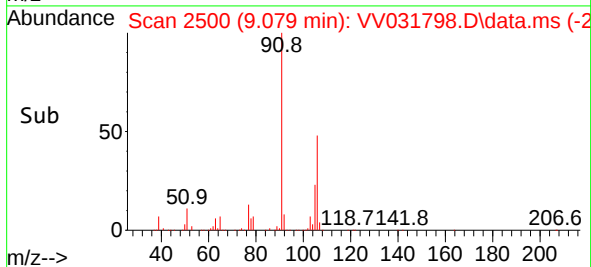
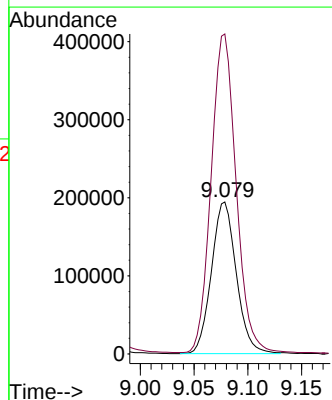
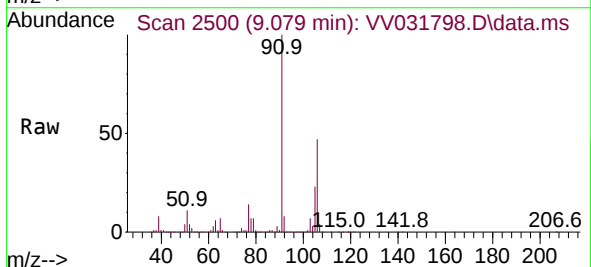
Acq: 15 Aug 2023 09:22

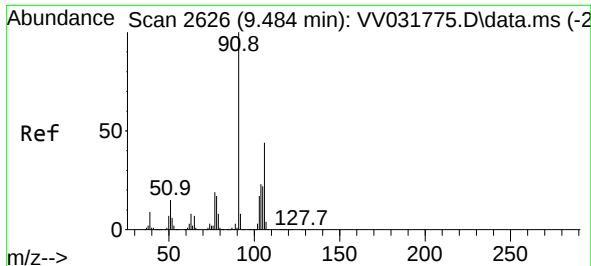
Tgt Ion: 106 Resp: 312328

Ion Ratio Lower Upper

106 100

91 210.6 145.6 270.4

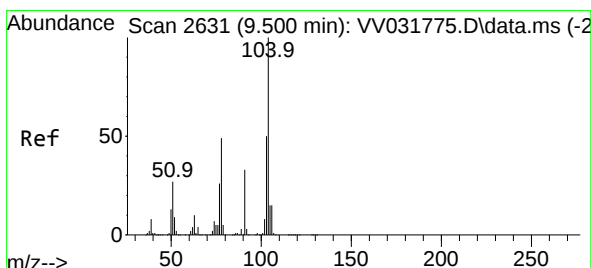
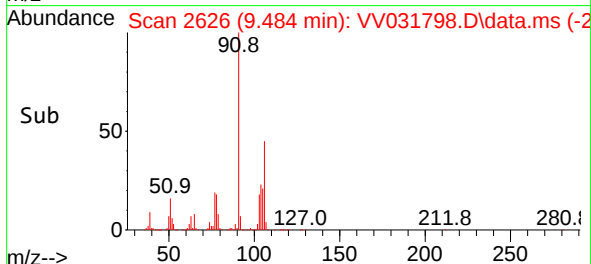
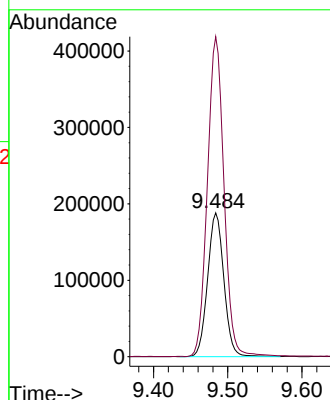
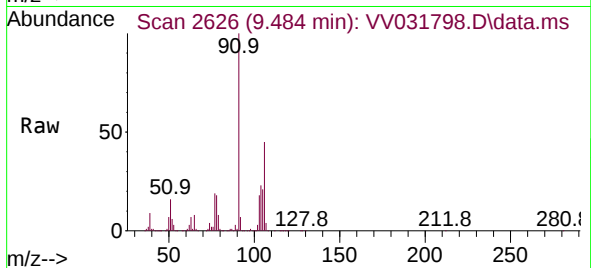




#54
o-Xylene
Concen: 54.472 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

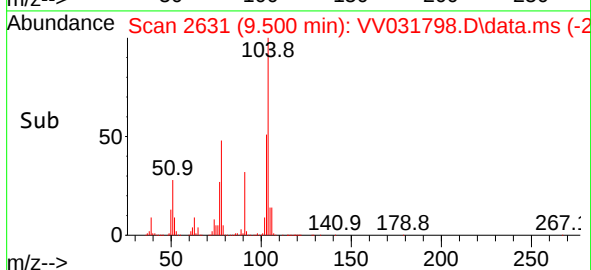
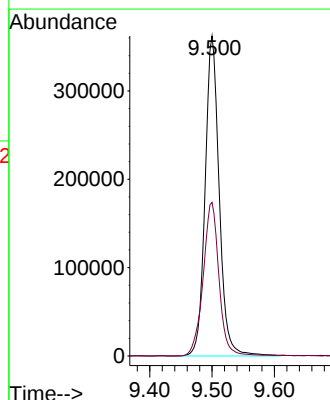
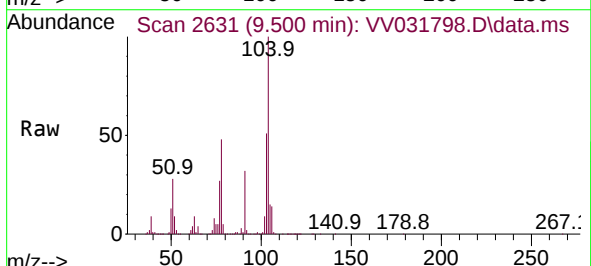
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

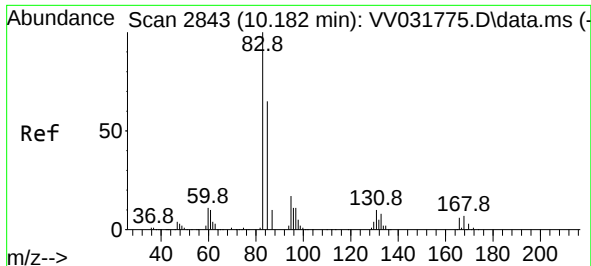
Tgt Ion:106 Resp: 285289
Ion Ratio Lower Upper
106 100
91 222.4 163.0 302.6



#55
Styrene
Concen: 59.706 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion:104 Resp: 571216
Ion Ratio Lower Upper
104 100
78 48.0 34.4 64.0

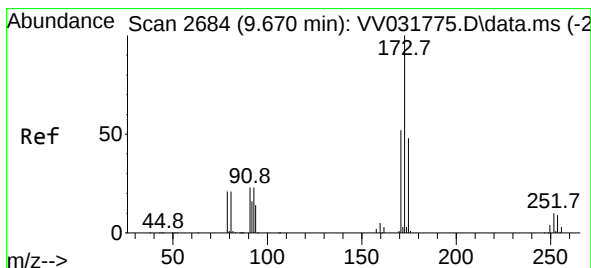
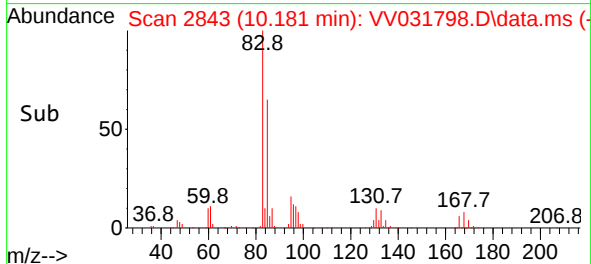
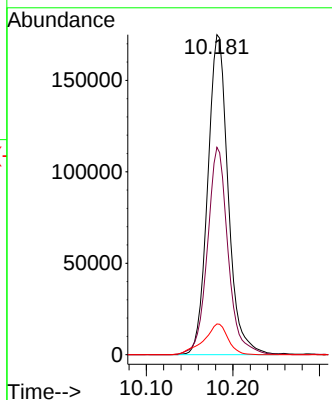
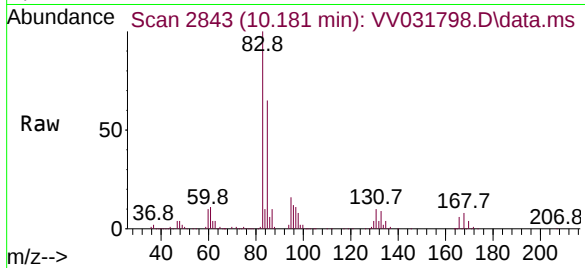




#57
1,1,2,2-Tetrachloroethane
Concen: 50.701 ug/L
RT: 10.181 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

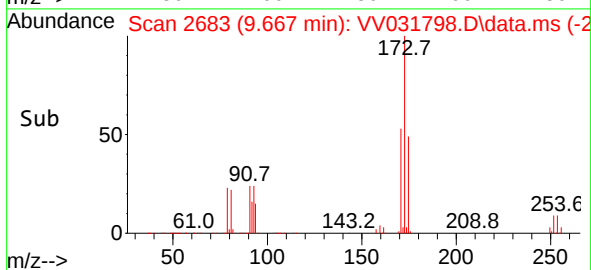
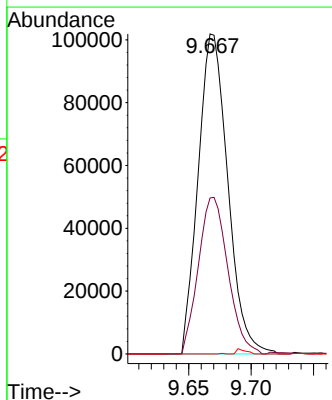
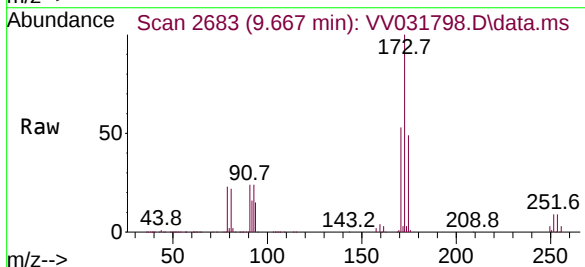
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

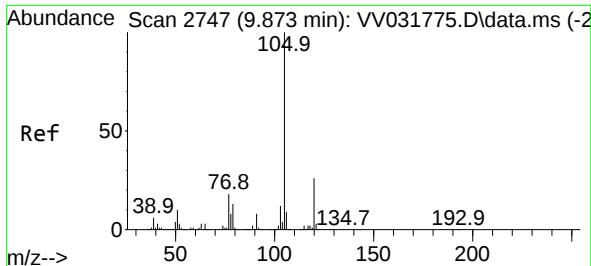
Tgt Ion: 83 Resp: 286921
Ion Ratio Lower Upper
83 100
85 64.8 43.4 80.6
131 9.6 10.9 16.3#



#59
Bromoform
Concen: 49.259 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. -0.003 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 173 Resp: 168325
Ion Ratio Lower Upper
173 100
175 48.8 38.6 58.0
254 0.5 6.9 10.3#

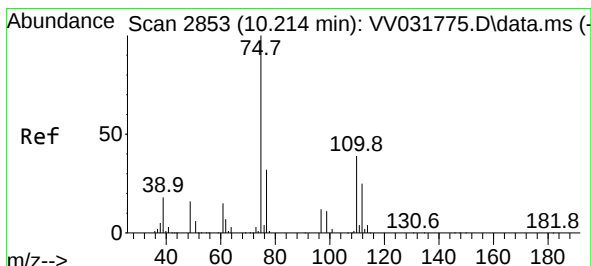
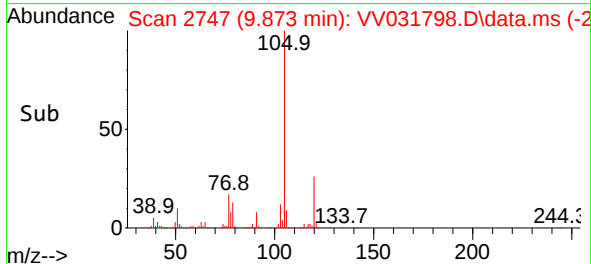
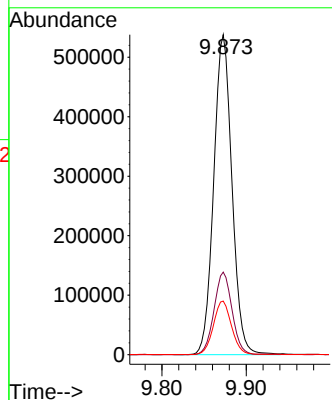
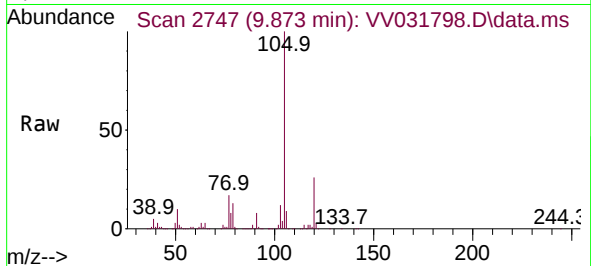




#60
Isopropylbenzene
Concen: 52.015 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

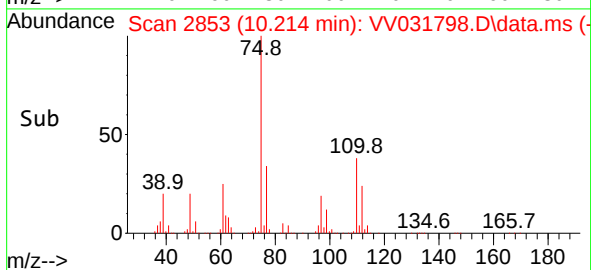
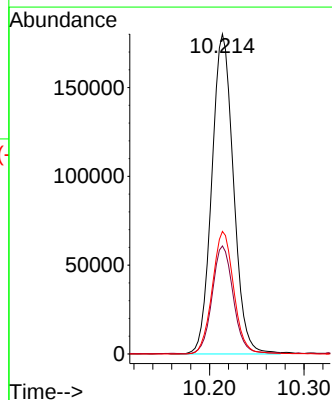
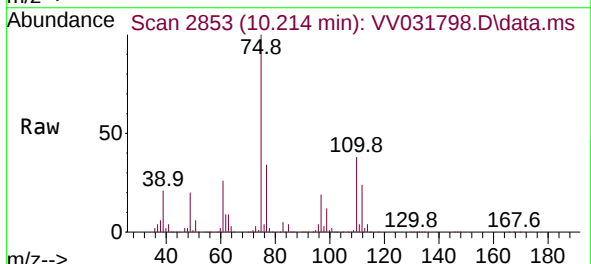
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

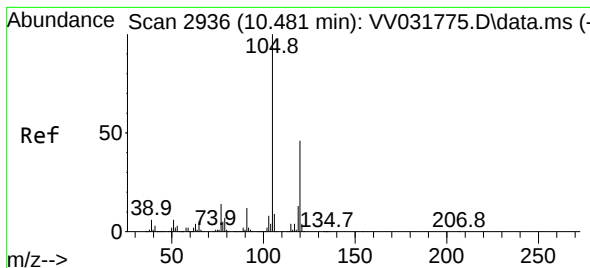
Tgt Ion:105 Resp: 809042
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8
77 16.7 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 49.092 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion: 75 Resp: 286985
Ion Ratio Lower Upper
75 100
77 32.7 25.1 37.7
110 37.9 31.4 47.0





#62

1,3,5-Trimethylbenzene

Concen: 50.195 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

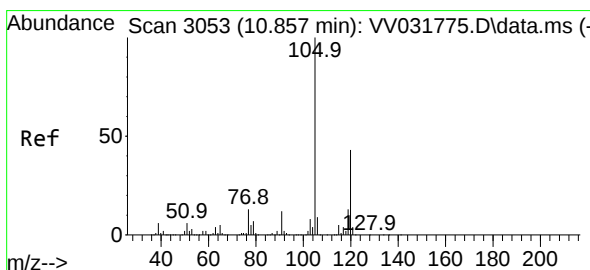
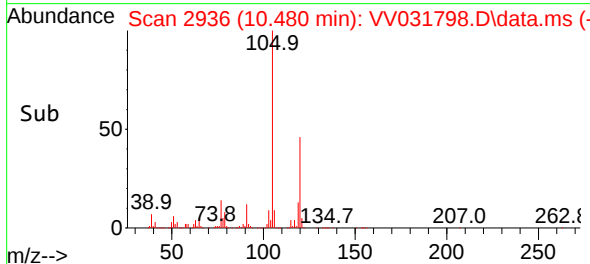
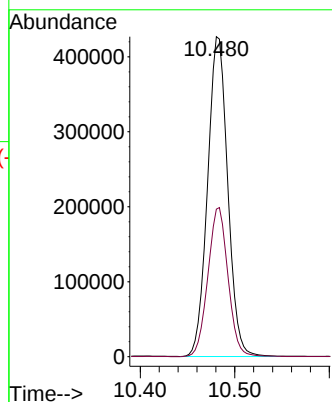
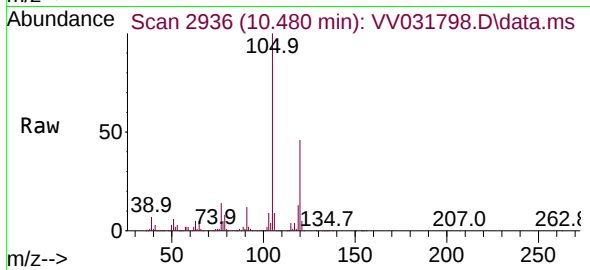
VSTD050396

Tgt Ion:105 Resp: 631710

Ion Ratio Lower Upper

105 100

120 46.6 37.4 56.0



#63

1,2,4-Trimethylbenzene

Concen: 51.825 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031798.D

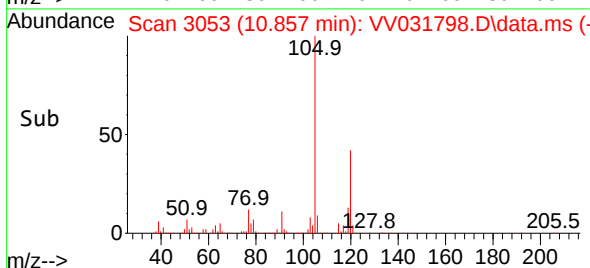
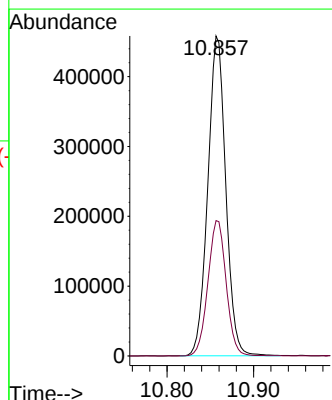
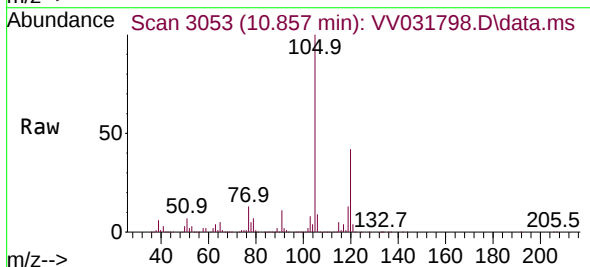
Acq: 15 Aug 2023 09:22

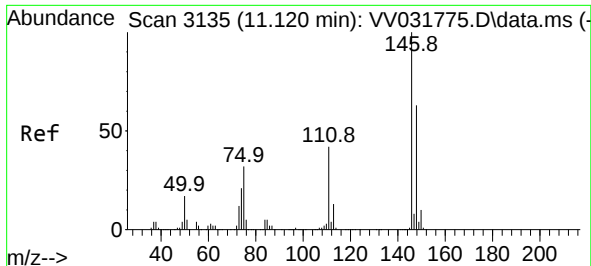
Tgt Ion:105 Resp: 660254

Ion Ratio Lower Upper

105 100

120 43.0 34.7 52.1

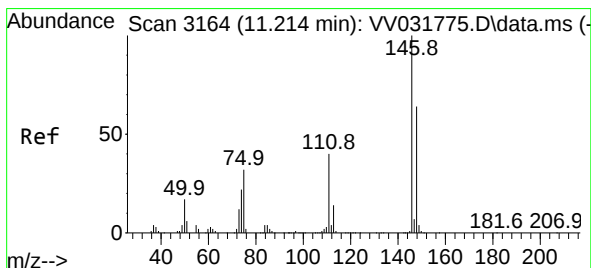
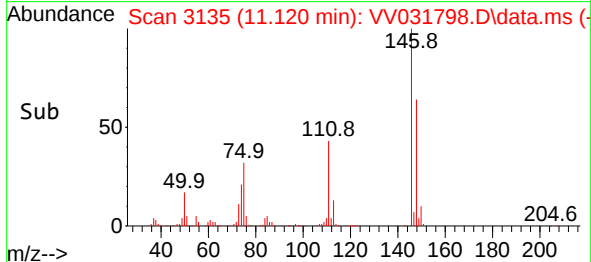
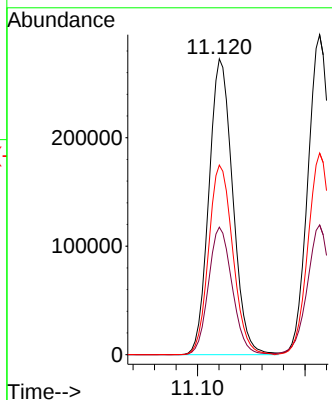
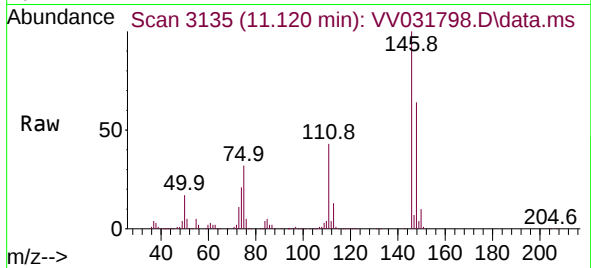




#64
1,3-Dichlorobenzene
Concen: 51.725 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

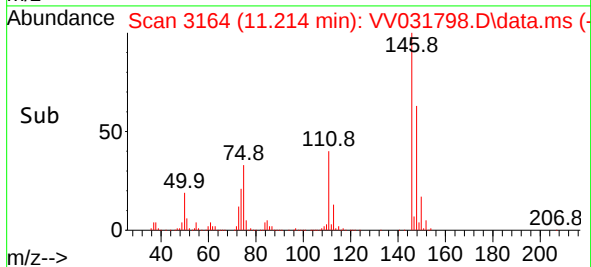
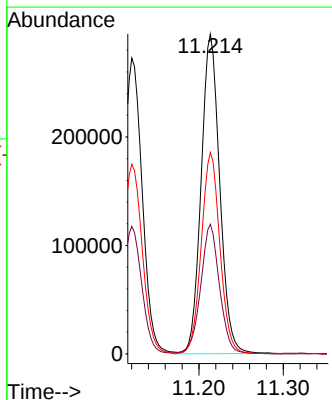
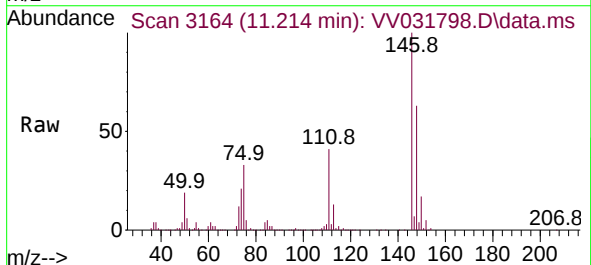
Instrument :
MSVOA_V
ClientSampleId :
VSTD050396

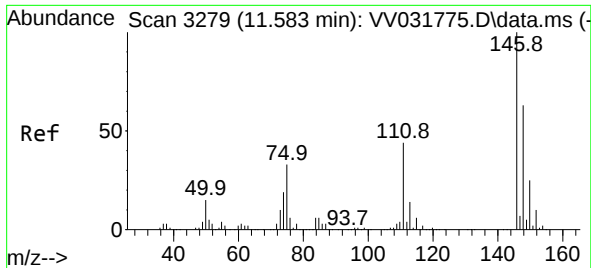
Tgt Ion:146 Resp: 420559
Ion Ratio Lower Upper
146 100
111 43.1 28.3 52.5
148 64.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 52.352 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031798.D
Acq: 15 Aug 2023 09:22

Tgt Ion:146 Resp: 452488
Ion Ratio Lower Upper
146 100
111 40.5 28.3 52.7
148 63.0 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 51.703 ug/L

RT: 11.583 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050396

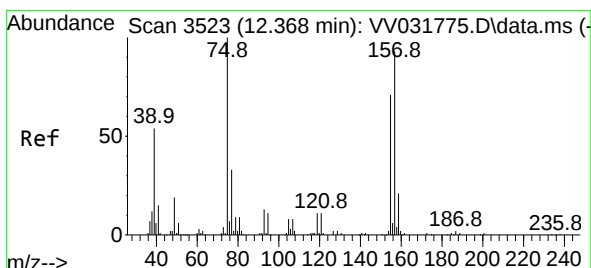
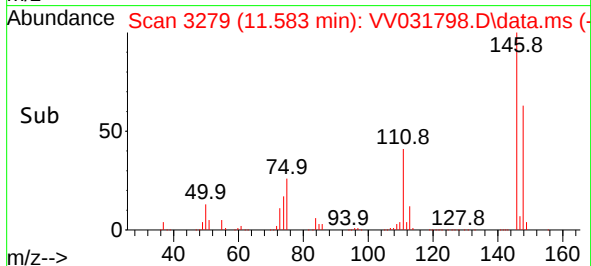
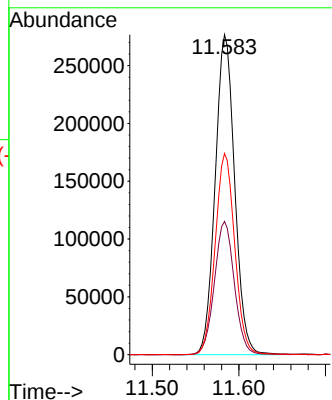
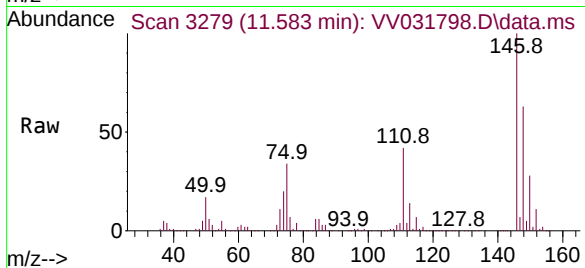
Tgt Ion:146 Resp: 432838

Ion Ratio Lower Upper

146 100

111 41.6 34.8 52.2

148 62.9 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 46.289 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

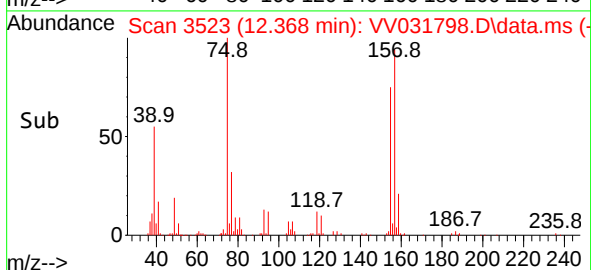
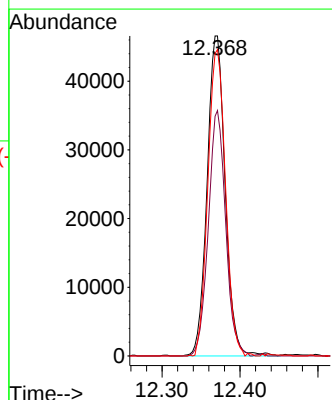
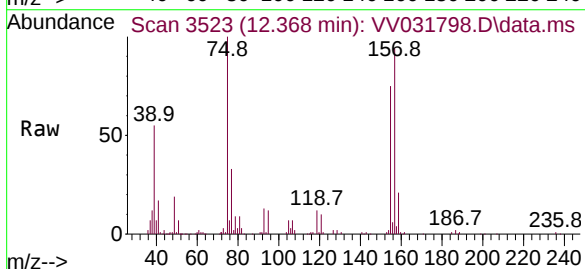
Tgt Ion: 75 Resp: 75263

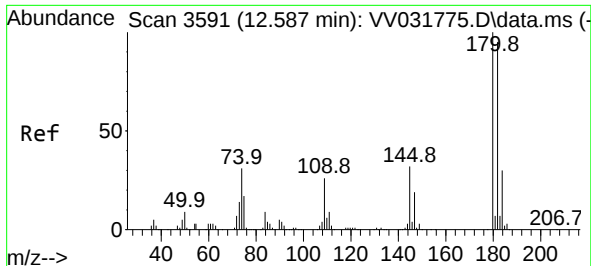
Ion Ratio Lower Upper

75 100

155 74.9 59.9 89.9

157 98.8 77.6 116.4





#69

1,3,5-Trichlorobenzene

Concen: 49.340 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050396

Tgt Ion:180 Resp: 292591

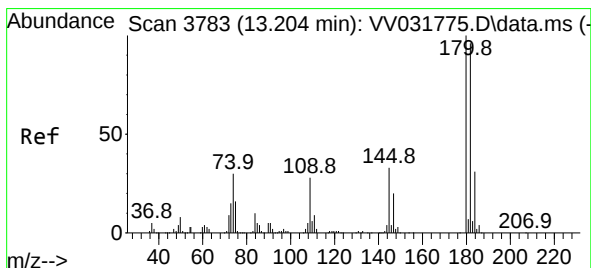
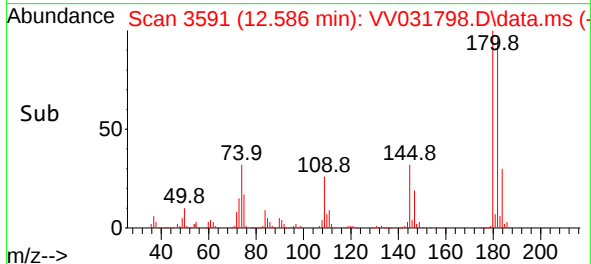
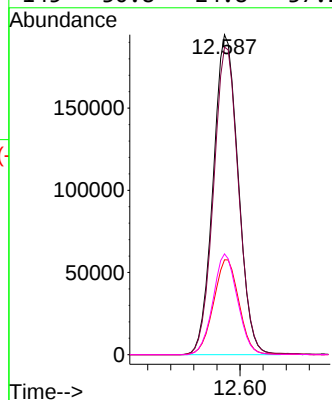
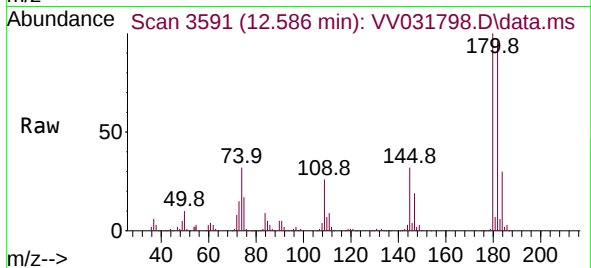
Ion Ratio Lower Upper

180 100

182 96.3 75.5 113.3

184 30.2 23.7 35.5

145 30.8 24.8 37.2



#70

1,2,4-trichlorobenzene

Concen: 46.102 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

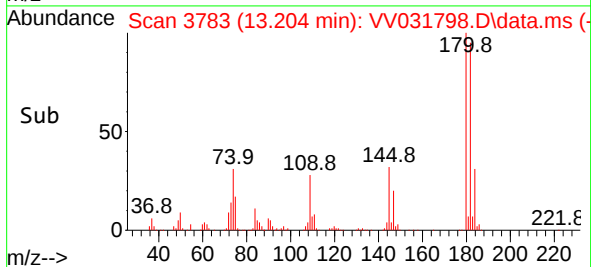
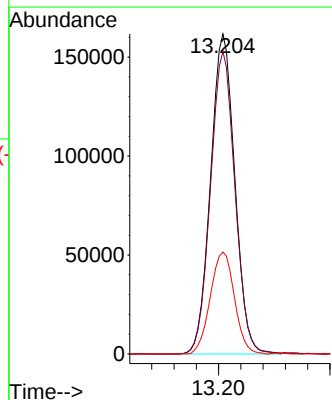
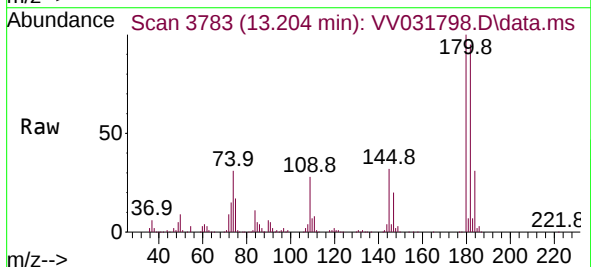
Tgt Ion:180 Resp: 244587

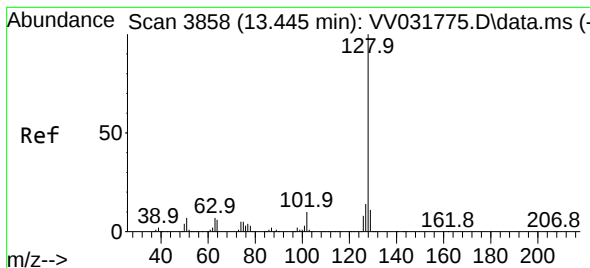
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 31.7 25.4 38.2





#71

Naphthalene

Concen: 46.811 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050396

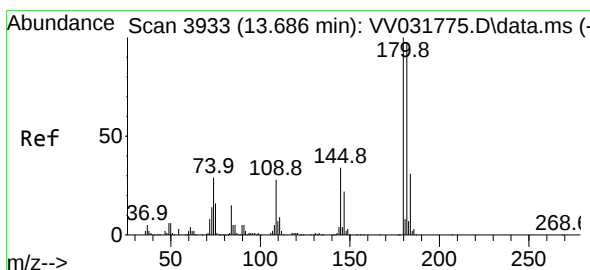
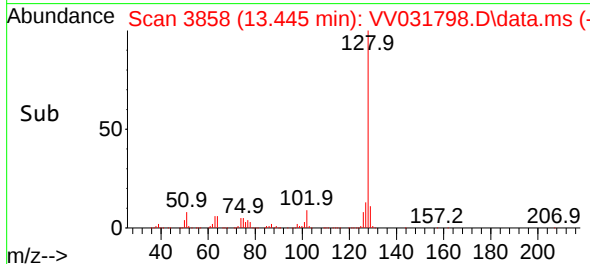
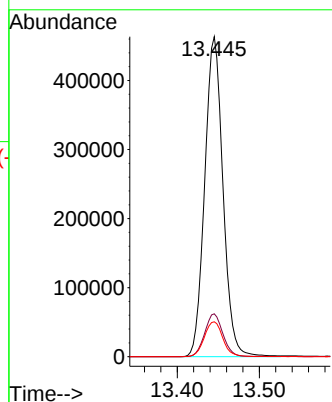
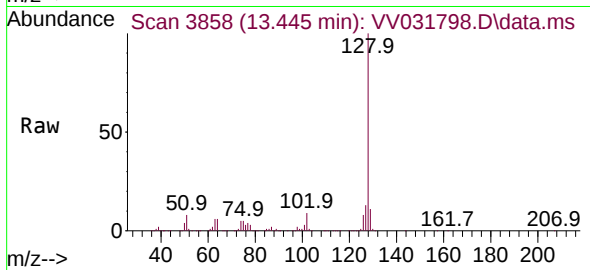
Tgt Ion:128 Resp: 715874

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

129 11.1 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 51.399 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. -0.000 min

Lab File: VV031798.D

Acq: 15 Aug 2023 09:22

Tgt Ion:180 Resp: 285047

Ion Ratio Lower Upper

180 100

182 92.2 76.7 115.1

145 33.7 27.7 41.5

