

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060923\
 Data File : VW031484.D
 Acq On : 09 Jun 2023 09:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050365

Quant Time: Jun 10 01:35:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 09 06:27:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	215277	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	226284	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	139623	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	73818	38.973	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.940%
7) Chloroethane-d5	1.529	69	72349	47.180	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.360%
11) 1,1-Dichloroethene-d2	2.059	65	40460	45.072	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.140%
21) 2-Butanone-d5	3.793	46	152658	111.524	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.520%
24) Chloroform-d	4.252	84	196468	54.531	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.060%
26) 1,2-Dichloroethane-d4	4.947	65	128426	53.135	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.260%
32) Benzene-d6	4.963	84	335620	50.236	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.480%
36) 1,2-Dichloropropane-d6	5.992	67	120056	51.699	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.400%
41) Toluene-d8	7.246	98	319988	52.140	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.280%
43) trans-1,3-Dichloroprop...	7.558	79	51655	44.159	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.320%
47) 2-Hexanone-d5	8.030	63	93133	106.483	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.480%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	151511	51.699	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	133257	51.449	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	47455	54.969	ug/L	99
3) Chloromethane	1.217	50	36206	51.680	ug/L	95
5) Vinyl chloride	1.281	62	43667	52.243	ug/L	100
6) Bromomethane	1.484	94	26068	51.890	ug/L	100
8) Chloroethane	1.548	64	35728	53.053	ug/L	97
9) Trichlorofluoromethane	1.712	101	114709	56.856	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	72623	55.662	ug/L	97
12) 1,1-Dichloroethene	2.069	96	47182	54.938	ug/L	100
13) Acetone	2.114	43	105032	85.772	ug/L	100
14) Carbon disulfide	2.243	76	34469	46.921	ug/L	96
15) Methyl Acetate	2.375	43	109318	59.118	ug/L	97
16) Methylene chloride	2.449	84	74106	57.163	ug/L	98
17) trans-1,2-Dichloroethene	2.696	96	44186	54.265	ug/L	95
18) Methyl tert-butyl Ether	2.709	73	271546	54.255	ug/L	99
19) 1,1-Dichloroethane	3.114	63	160111	56.846	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	73509	55.528	ug/L	98
22) 2-Butanone	3.873	43	155862	103.560	ug/L	97
23) Bromochloromethane	4.153	128	40859	58.692	ug/L	95
25) Chloroform	4.281	83	185187	58.961	ug/L	95

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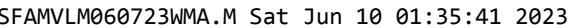
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050365

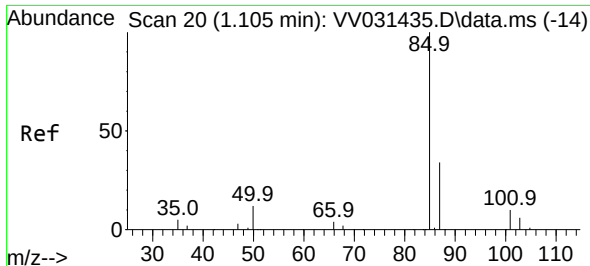
Quant Time: Jun 10 01:35:19 2023
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 Quant Title : VOC Analysis
 QLast Update : Fri Jun 09 06:27:10 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.046	62	139531	60.840	ug/L	100
29) Cyclohexane	4.590	56	57937	47.806	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	145998	54.660	ug/L	99
31) Carbon tetrachloride	4.741	117	119750	53.969	ug/L	98
33) Benzene	5.014	78	275811	55.240	ug/L	100
34) Trichloroethene	5.837	95	91300	58.041	ug/L	99
35) Methylcyclohexane	6.053	83	63894	47.492	ug/L	98
37) 1,2-Dichloropropane	6.098	63	98538	54.830	ug/L	99
38) Bromodichloromethane	6.435	83	144759	55.034	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	132832	49.472	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	339332	116.233	ug/L	99
42) Toluene	7.320	91	319940	57.248	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	142841	52.450	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	106997	57.599	ug/L	98
46) Tetrachloroethene	7.911	164	54380	53.251	ug/L	97
48) 2-Hexanone	8.082	43	274616	120.174	ug/L	98
49) Dibromochloromethane	8.181	129	115636	57.066	ug/L	98
50) 1,2-Dibromoethane	8.287	107	100088	55.967	ug/L	95
51) Chlorobenzene	8.818	112	229046	53.901	ug/L	98
52) Ethylbenzene	8.953	91	377475	54.272	ug/L	99
53) m,p-Xylene	9.078	106	137079	54.691	ug/L	96
54) o-Xylene	9.484	106	140359	55.512	ug/L	97
55) Styrene	9.500	104	280045	60.751	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	147509	51.802	ug/L	99
59) Bromoform	9.670	173	91890	51.363	ug/L	100
60) Isopropylbenzene	9.873	105	415445	52.071	ug/L	100
61) 1,2,3-Trichloropropane	10.213	75	151731	53.682	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	343091	52.070	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	354044	53.680	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	220534	54.002	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	229931	53.231	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	229433	54.805	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	40529	54.098	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	166261	52.881	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	140559	52.403	ug/L	98
71) Naphthalene	13.445	128	354128	48.170	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	149352	55.551	ug/L	98

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

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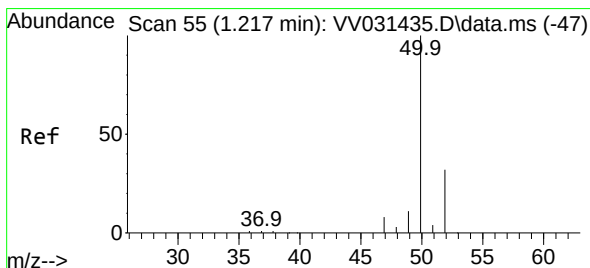
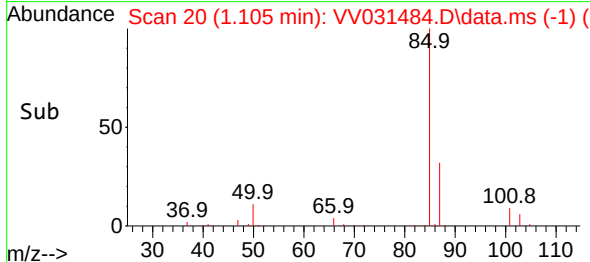
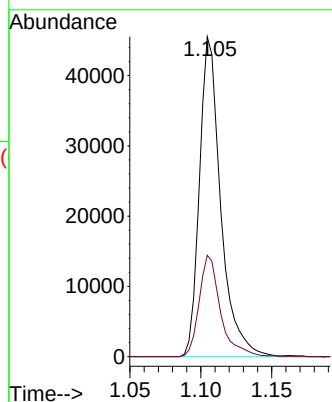
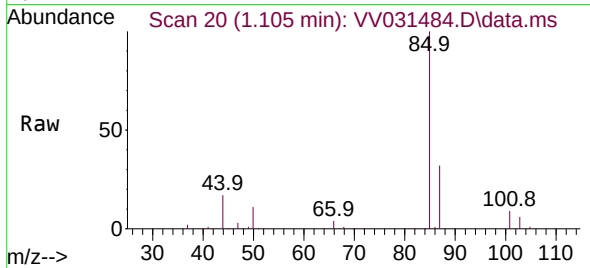




#2
 Dichlorodifluoromethane
 Concen: 54.969 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031484.D
 Acq: 09 Jun 2023 09:22

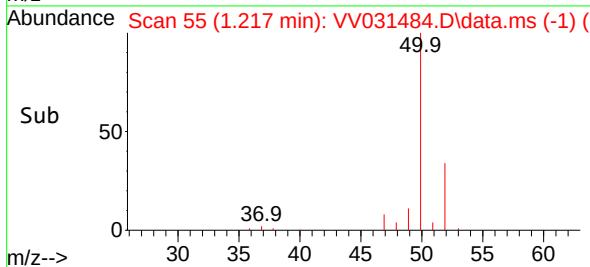
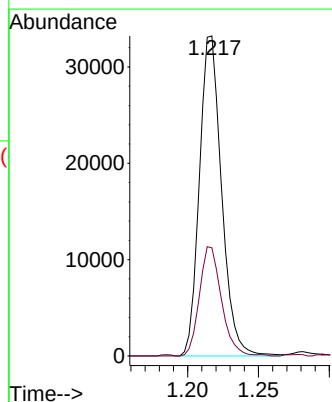
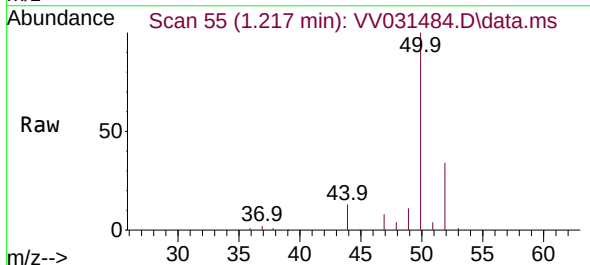
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050365

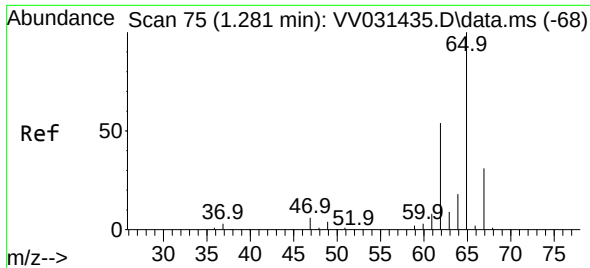
Tgt Ion: 85 Resp: 47455
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.0 37.6



#3
 Chloromethane
 Concen: 51.680 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031484.D
 Acq: 09 Jun 2023 09:22

Tgt Ion: 50 Resp: 36206
 Ion Ratio Lower Upper
 50 100
 52 33.8 21.9 40.7

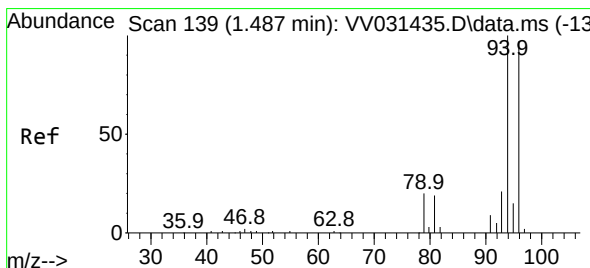
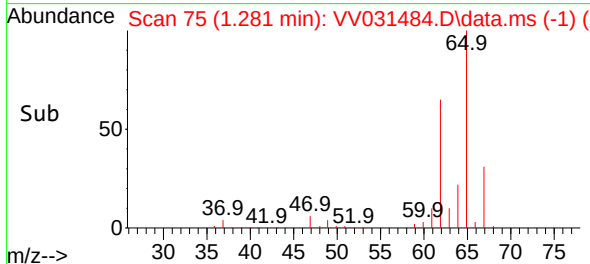
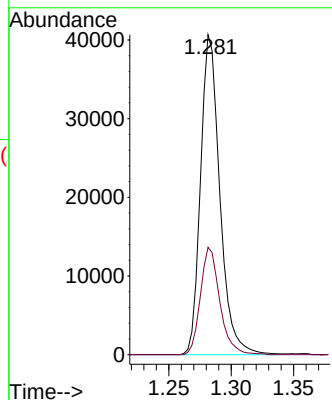
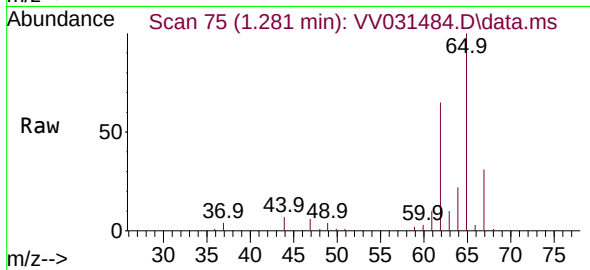




#5
 Vinyl chloride
 Concen: 52.243 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV031484.D
 Acq: 09 Jun 2023 09:22

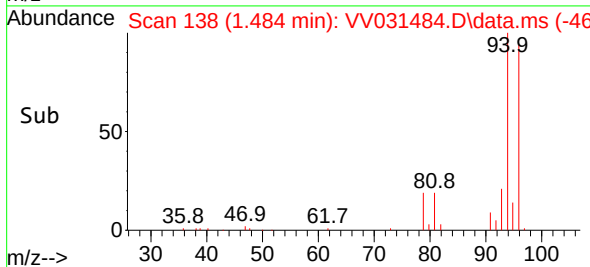
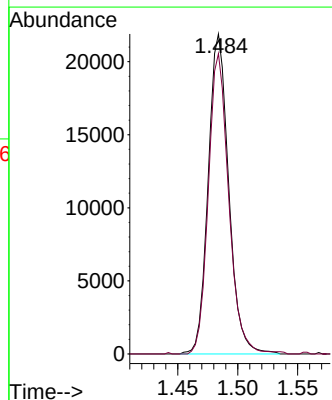
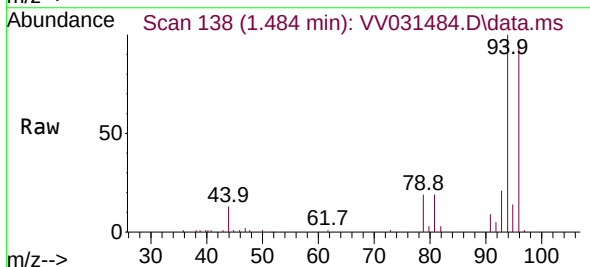
Instrument :
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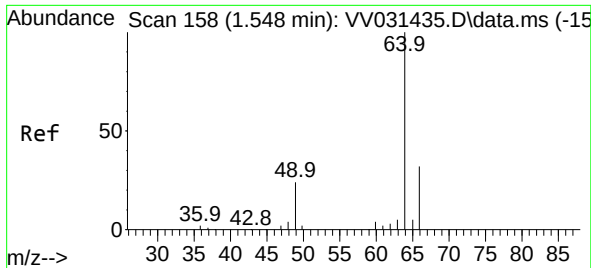
Tgt Ion: 62 Resp: 43667
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.7 43.9



#6
 Bromomethane
 Concen: 51.890 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV031484.D
 Acq: 09 Jun 2023 09:22

Tgt Ion: 94 Resp: 26068
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.4 121.4

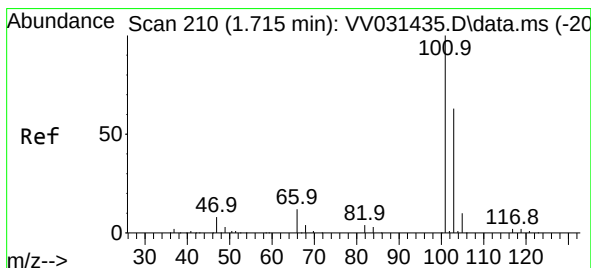
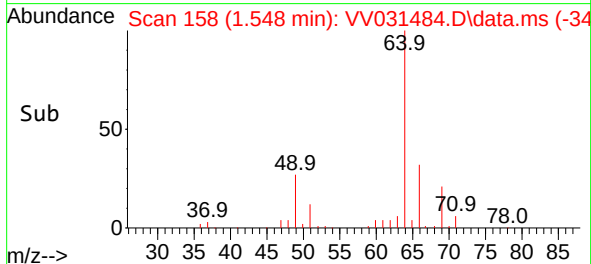
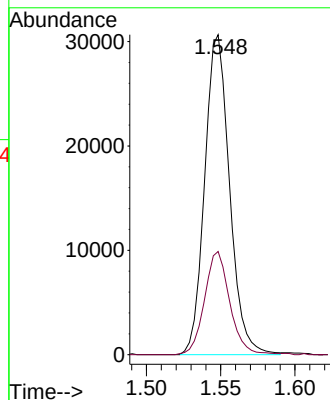
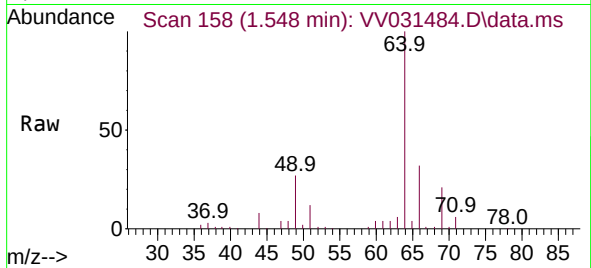




#8
Chloroethane
Concen: 53.053 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

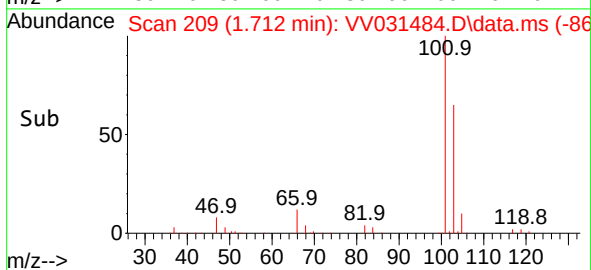
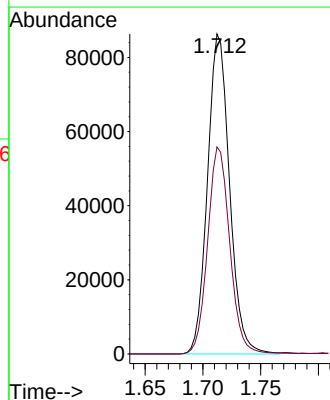
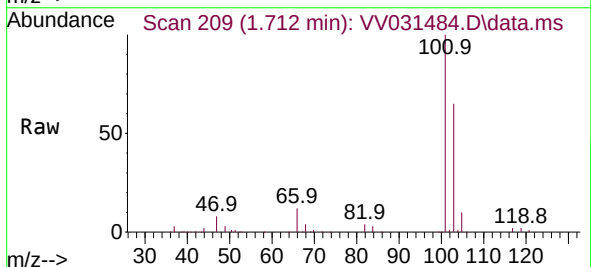
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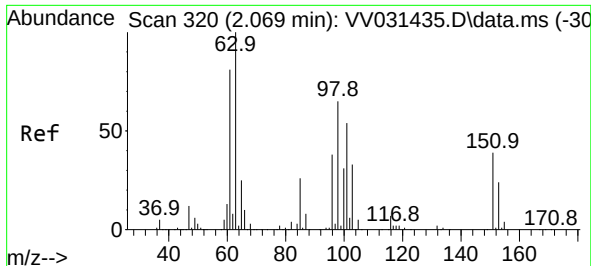
Tgt Ion: 64 Resp: 35728
Ion Ratio Lower Upper
64 100
66 32.2 21.4 39.8



#9
Trichlorofluoromethane
Concen: 56.856 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion:101 Resp: 114709
Ion Ratio Lower Upper
101 100
103 64.9 51.8 77.6

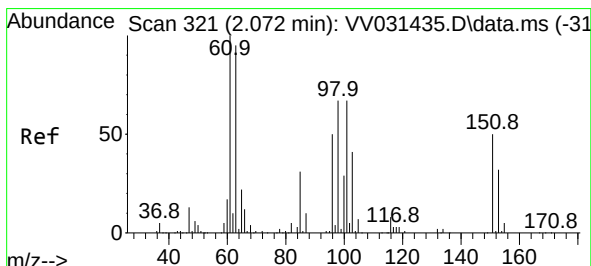
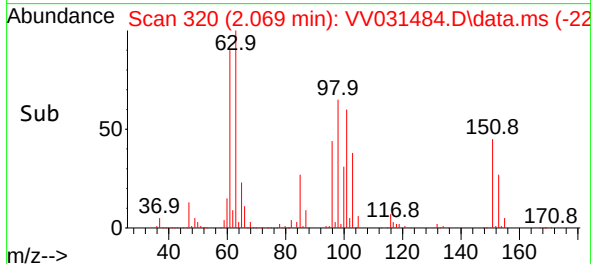
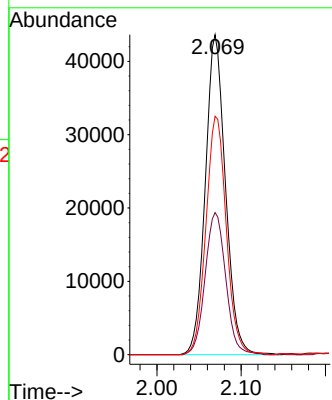
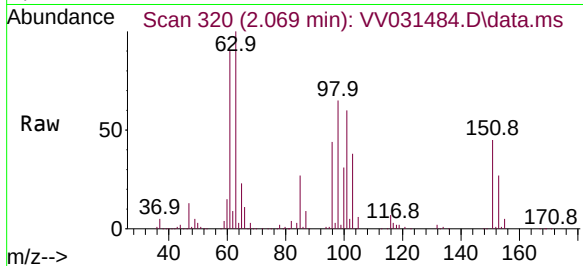




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.662 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031484.D
 Acq: 09 Jun 2023 09:22

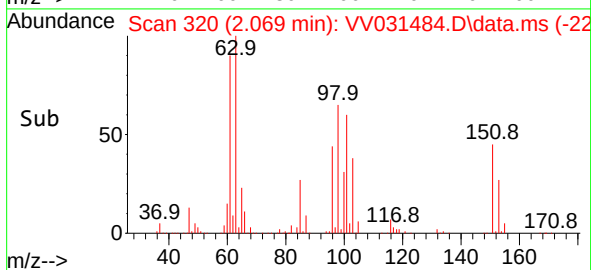
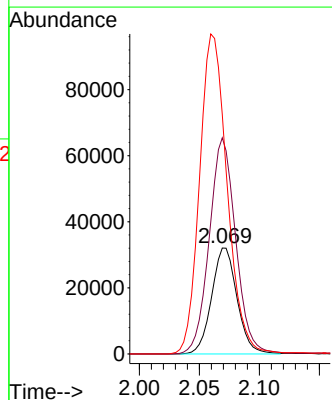
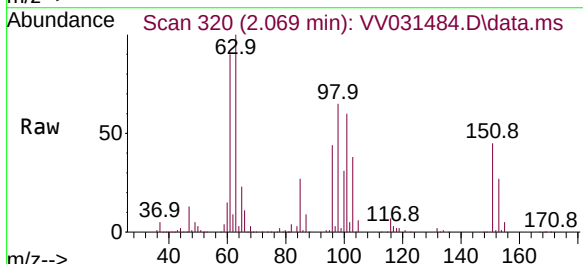
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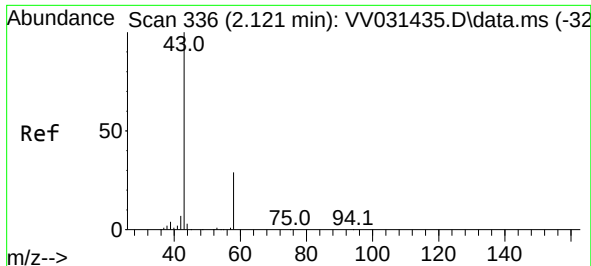
Tgt Ion:101 Resp: 72623
 Ion Ratio Lower Upper
 101 100
 85 45.4 37.3 55.9
 151 75.3 57.8 86.6



#12
 1,1-Dichloroethene
 Concen: 54.938 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV031484.D
 Acq: 09 Jun 2023 09:22

Tgt Ion: 96 Resp: 47182
 Ion Ratio Lower Upper
 96 100
 61 204.1 143.9 267.3
 63 226.2 158.3 293.9





#13

Acetone

Concen: 85.772 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

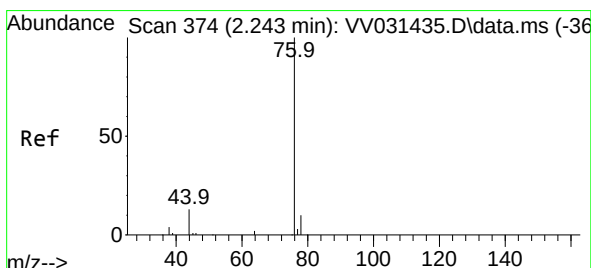
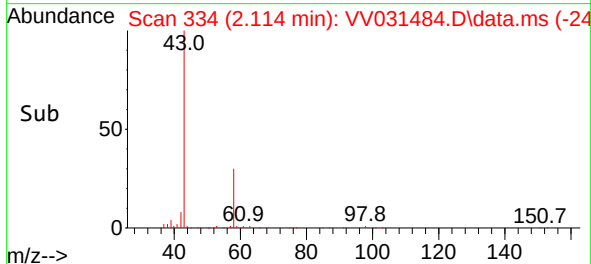
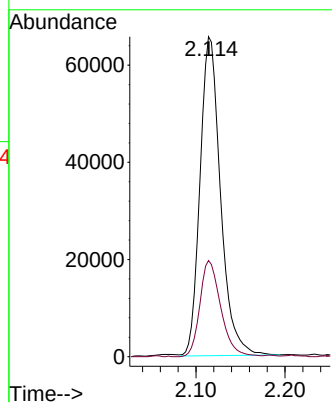
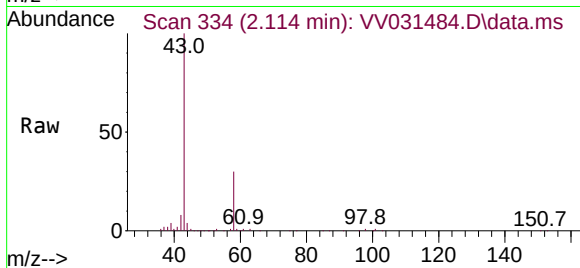
VSTD050365

Tgt Ion: 43 Resp: 105032

Ion Ratio Lower Upper

43 100

58 30.7 0.0 61.0



#14

Carbon disulfide

Concen: 46.921 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV031484.D

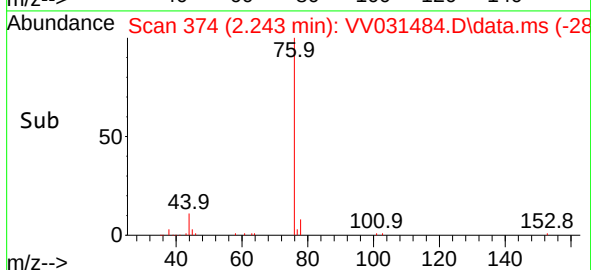
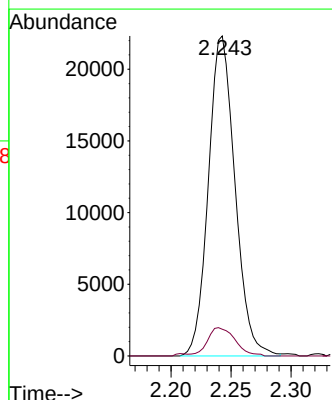
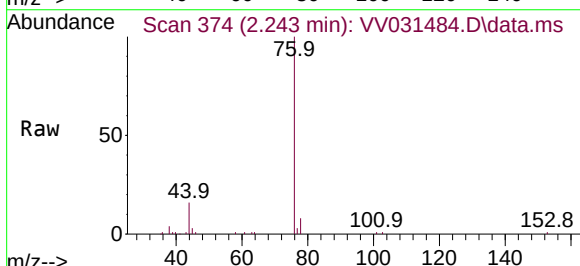
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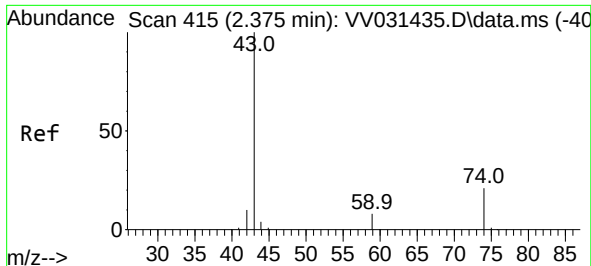
Tgt Ion: 76 Resp: 34469

Ion Ratio Lower Upper

76 100

78 8.3 7.9 11.9

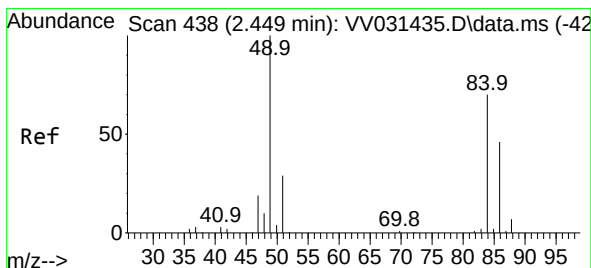
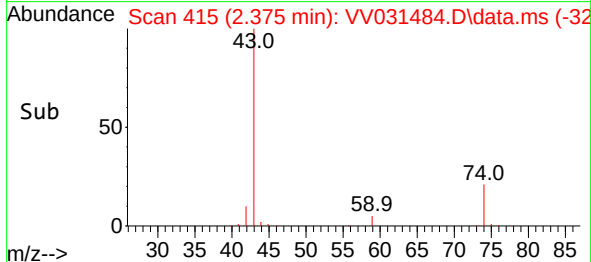
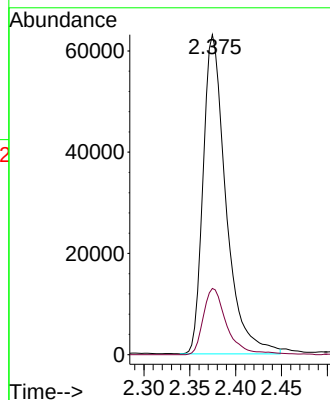
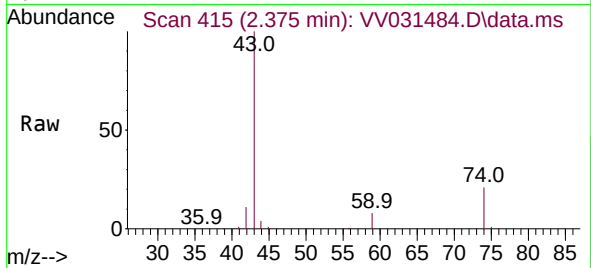




#15
Methyl Acetate
Concen: 59.118 ug/L
RT: 2.375 min Scan# 415
Delta R.T. -0.003 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

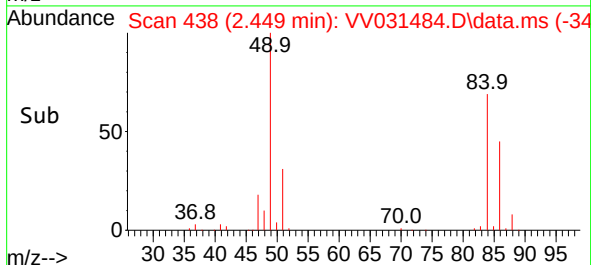
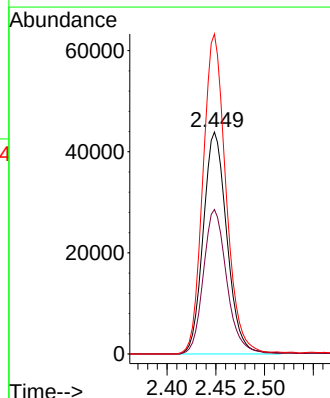
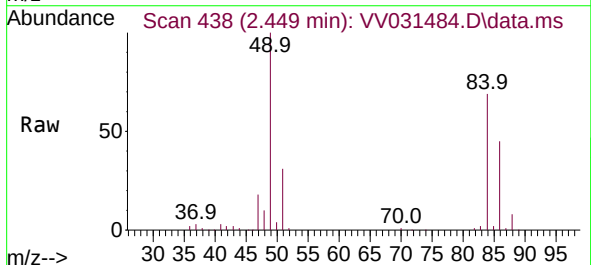
Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

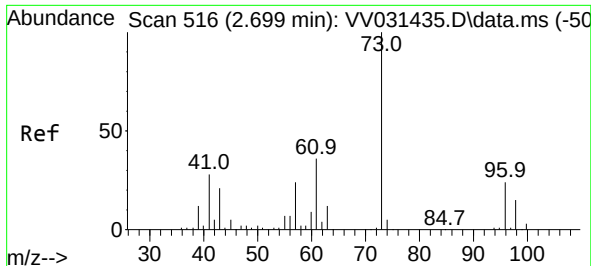
Tgt Ion: 43 Resp: 109318
Ion Ratio Lower Upper
43 100
74 21.4 16.0 24.0



#16
Methylene chloride
Concen: 57.163 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion: 84 Resp: 74106
Ion Ratio Lower Upper
84 100
86 65.1 46.1 85.5
49 144.2 102.7 190.7

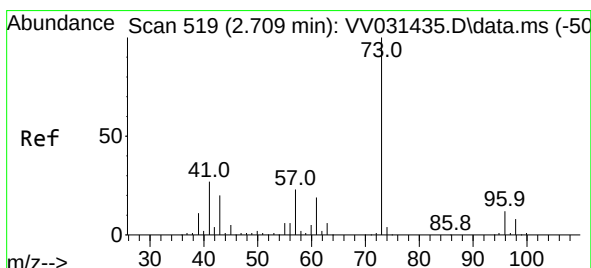
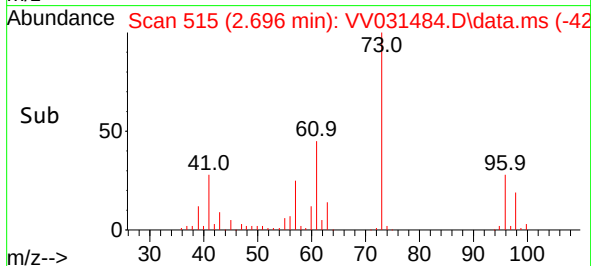
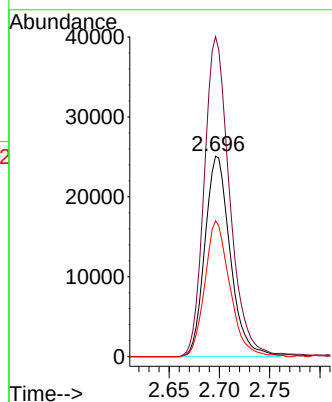
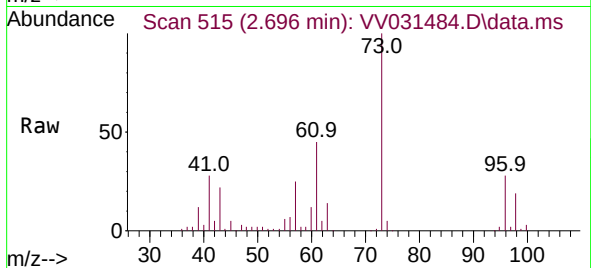




#17
trans-1,2-Dichloroethene
Concen: 54.265 ug/L
RT: 2.696 min Scan# 516
Delta R.T. -0.003 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

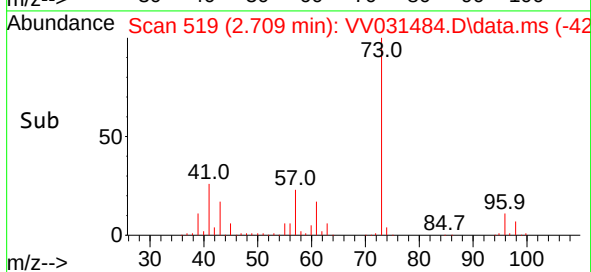
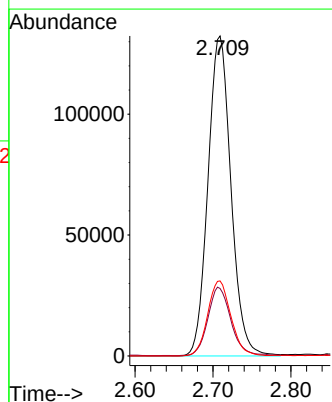
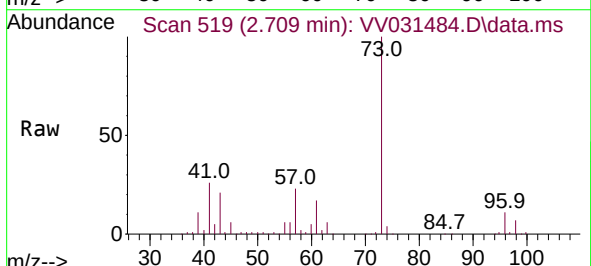
Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

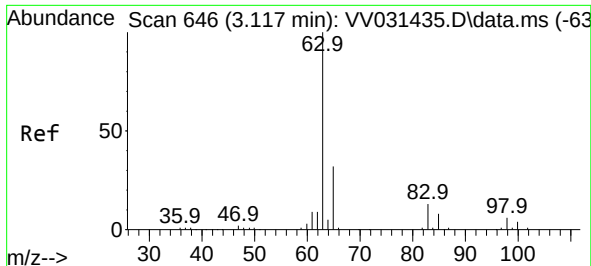
Tgt Ion: 96 Resp: 44186
Ion Ratio Lower Upper
96 100
61 159.6 106.9 198.5
98 67.8 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 54.255 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion: 73 Resp: 271546
Ion Ratio Lower Upper
73 100
43 21.2 16.6 25.0
57 23.7 18.6 28.0





#19

1,1-Dichloroethane

Concen: 56.846 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

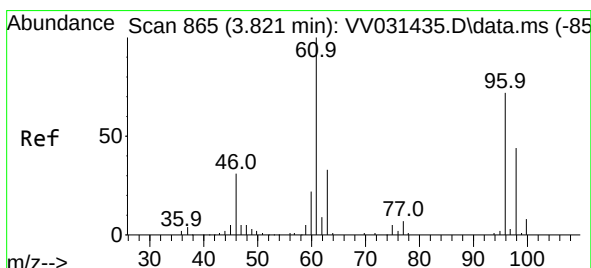
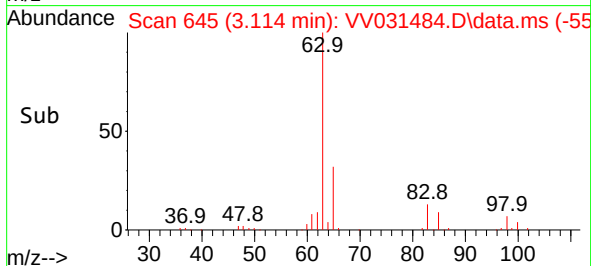
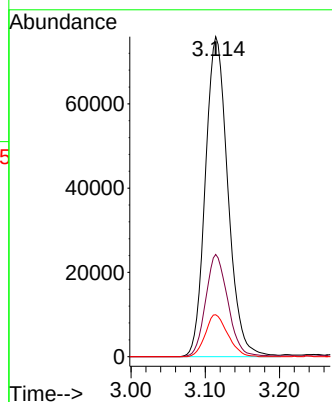
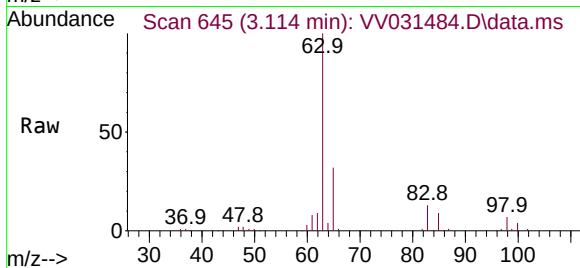
Tgt Ion: 63 Resp: 160111

Ion Ratio Lower Upper

63 100

65 32.0 21.4 39.8

83 13.1 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 55.528 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

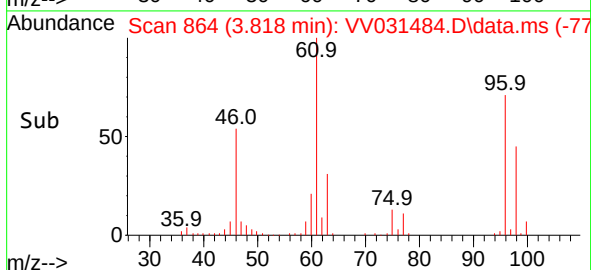
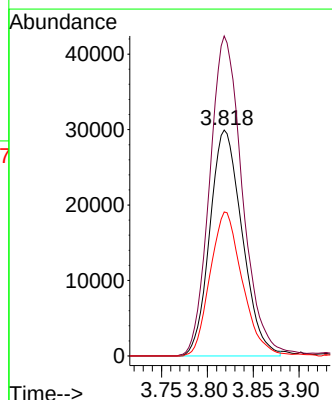
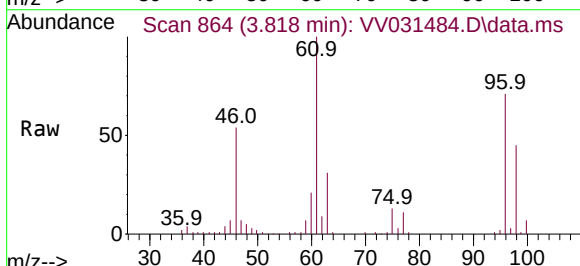
Tgt Ion: 96 Resp: 73509

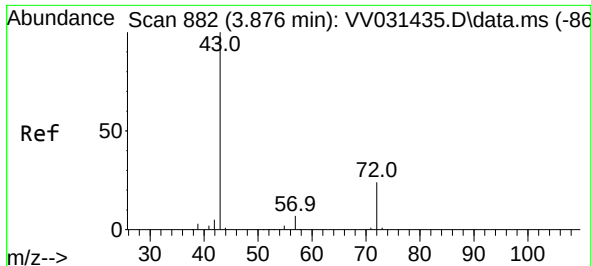
Ion Ratio Lower Upper

96 100

61 141.6 101.6 188.6

98 63.7 44.4 82.4

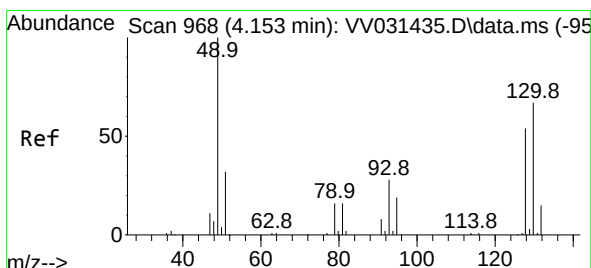
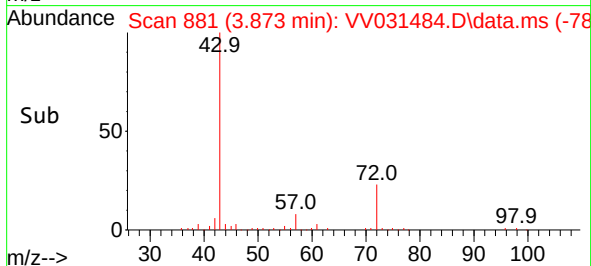
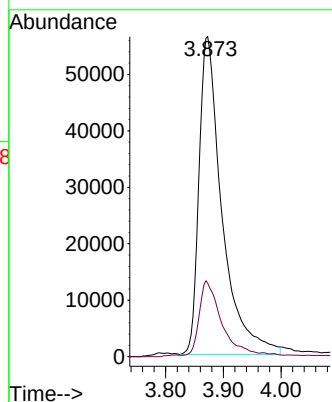
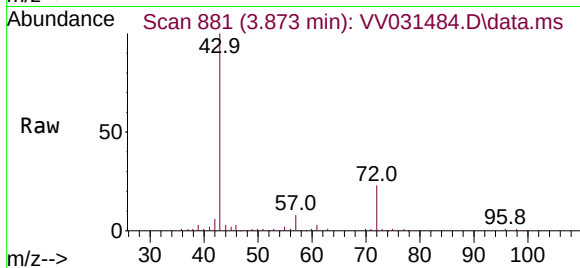




#22
2-Butanone
Concen: 103.560 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.003 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

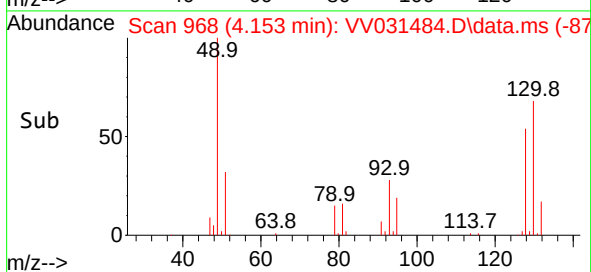
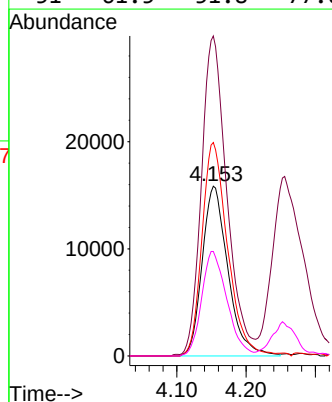
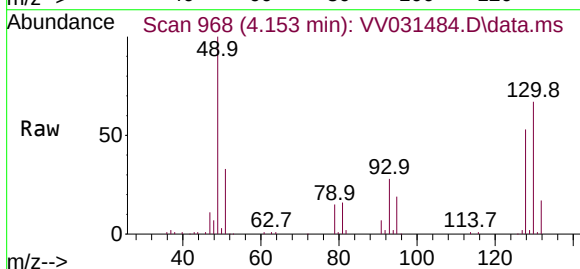
Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

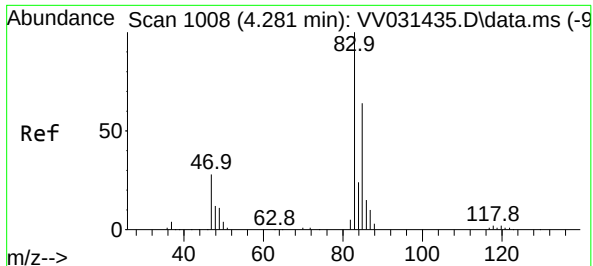
Tgt Ion: 43 Resp: 155862
Ion Ratio Lower Upper
43 100
72 22.4 10.4 31.4



#23
Bromochloromethane
Concen: 58.692 ug/L
RT: 4.153 min Scan# 968
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion:128 Resp: 40859
Ion Ratio Lower Upper
128 100
49 188.5 138.2 256.6
130 125.7 91.4 169.8
51 61.5 51.8 77.6





#25

Chloroform

Concen: 58.961 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.003 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

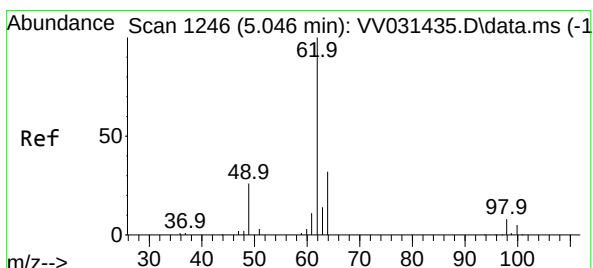
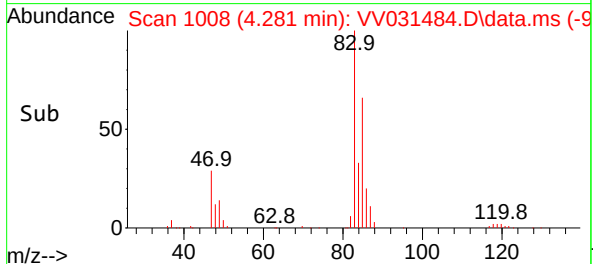
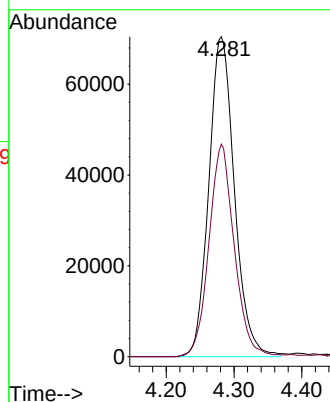
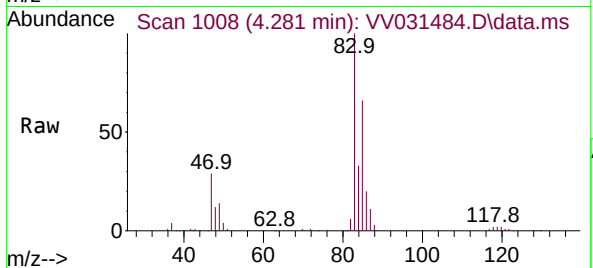
VSTD050365

Tgt Ion: 83 Resp: 185187

Ion Ratio Lower Upper

83 100

85 66.4 43.9 81.5



#27

1,2-Dichloroethane

Concen: 60.840 ug/L

RT: 5.046 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031484.D

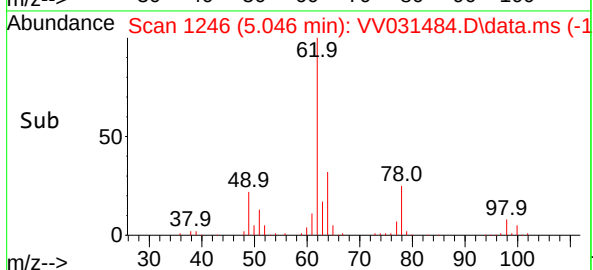
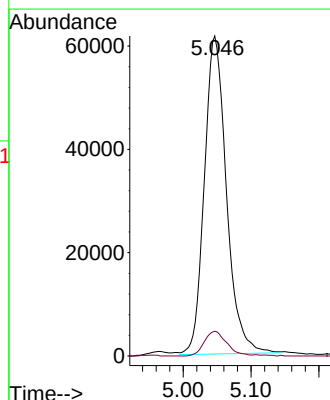
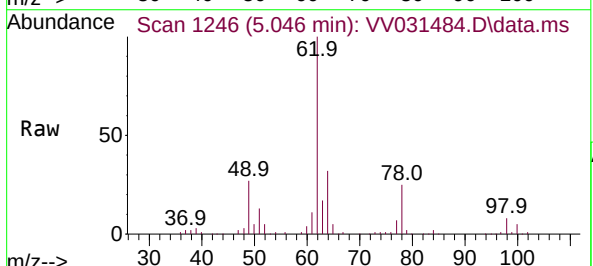
Acq: 09 Jun 2023 09:22

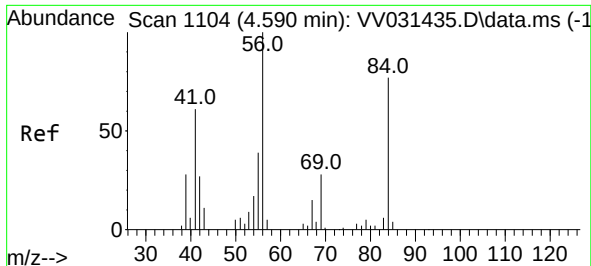
Tgt Ion: 62 Resp: 139531

Ion Ratio Lower Upper

62 100

98 7.7 6.2 9.4





#29

Cyclohexane

Concen: 47.806 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

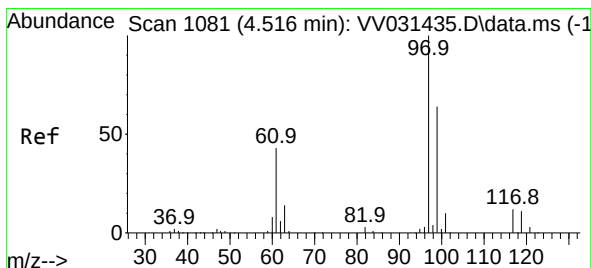
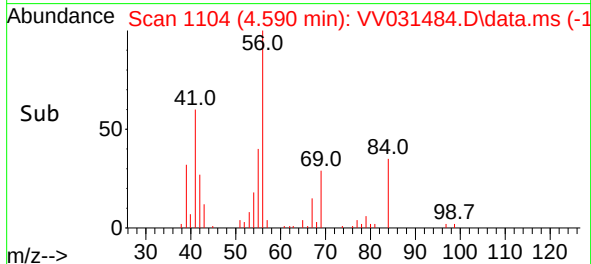
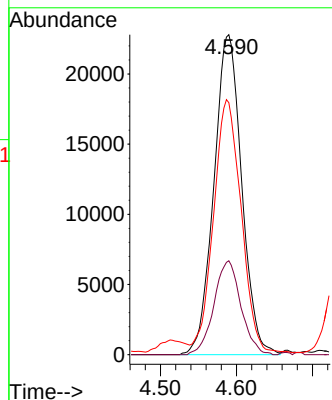
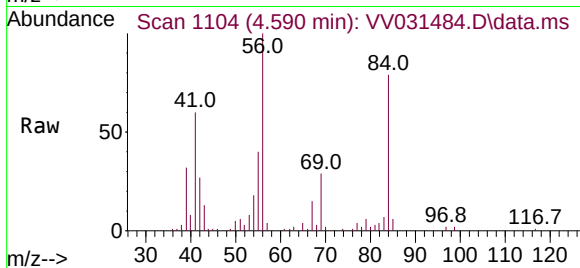
Tgt Ion: 56 Resp: 57937

Ion Ratio Lower Upper

56 100

69 28.5 23.5 35.3

84 77.5 61.3 91.9



#30

1,1,1-Trichloroethane

Concen: 54.660 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

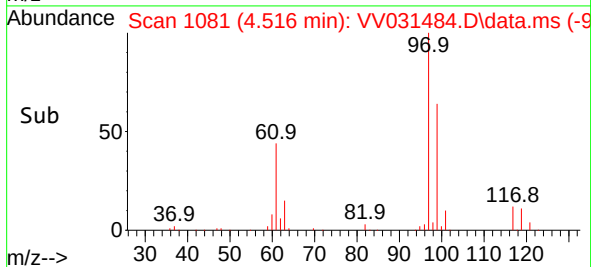
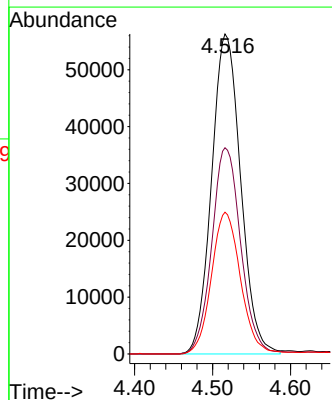
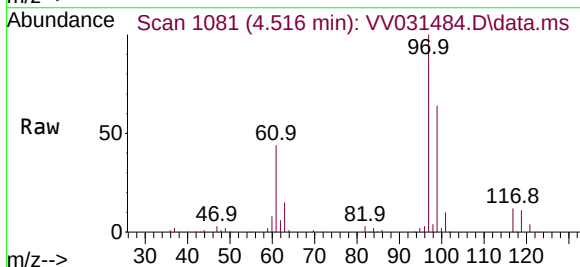
Tgt Ion: 97 Resp: 145998

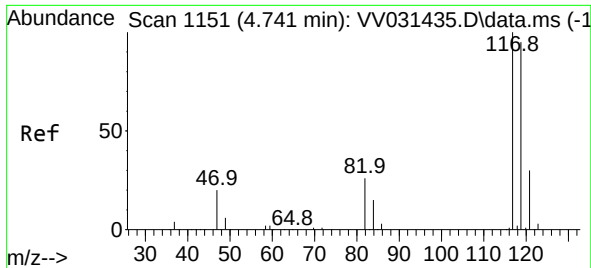
Ion Ratio Lower Upper

97 100

99 63.9 51.9 77.9

61 44.4 36.1 54.1

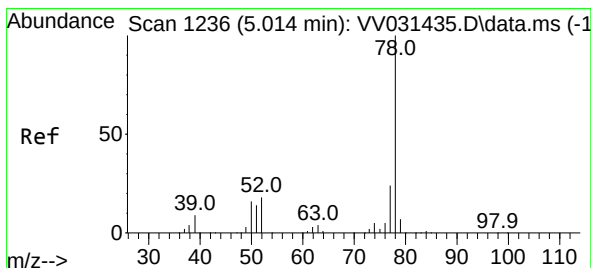
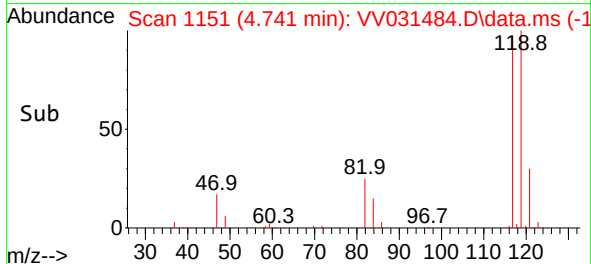
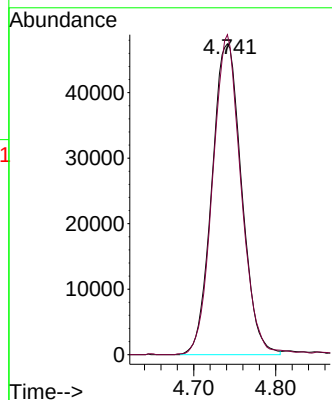
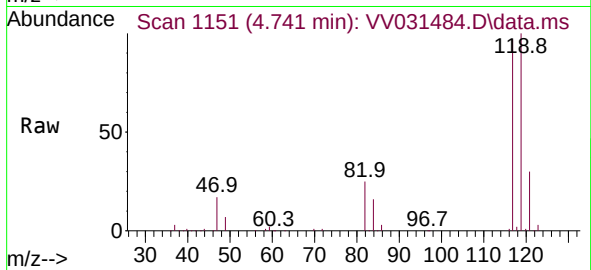




#31
Carbon tetrachloride
Concen: 53.969 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

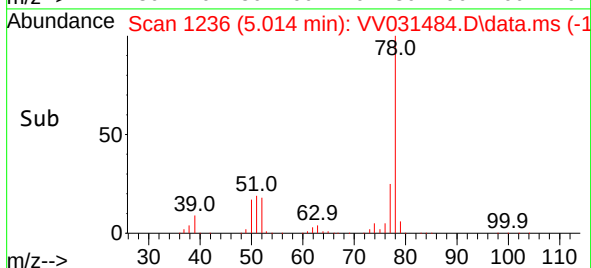
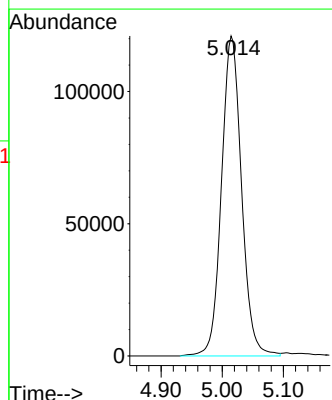
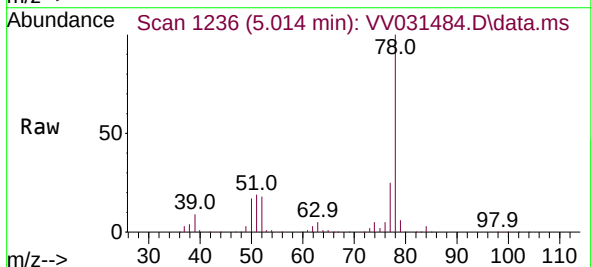
Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

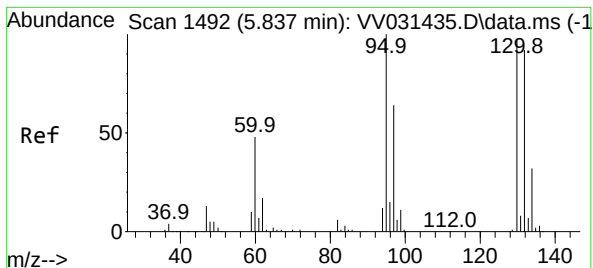
Tgt Ion:117 Resp: 119750
Ion Ratio Lower Upper
117 100
119 96.9 75.8 113.6



#33
Benzene
Concen: 55.240 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion: 78 Resp: 275811





#34

Trichloroethene

Concen: 58.041 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

Tgt Ion: 95 Resp: 91300

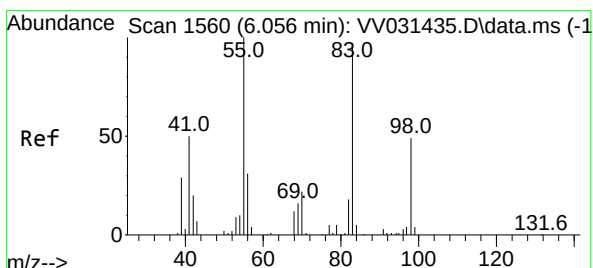
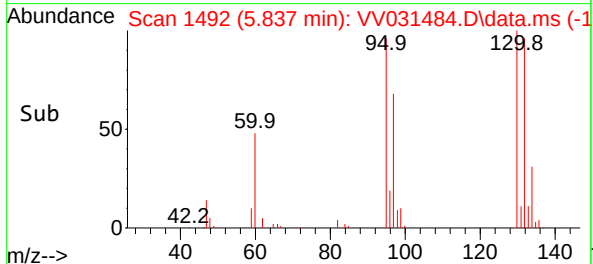
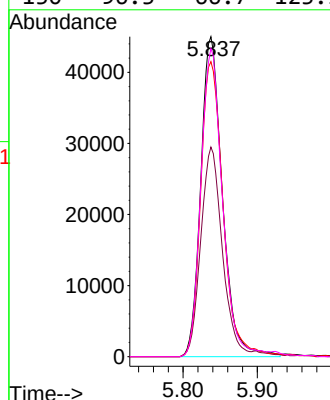
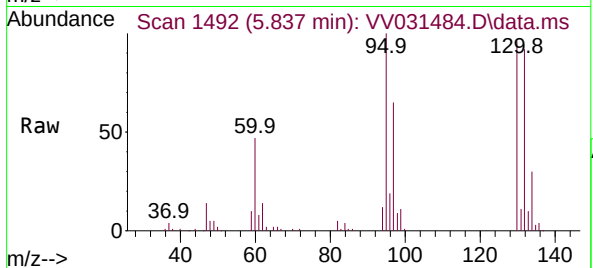
Ion Ratio Lower Upper

95 100

97 65.5 44.2 82.0

132 92.2 64.2 119.2

130 96.3 66.7 123.9



#35

Methylcyclohexane

Concen: 47.492 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. -0.003 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

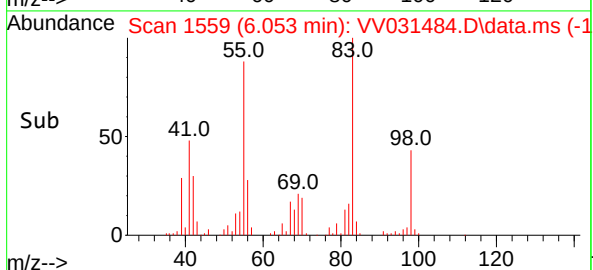
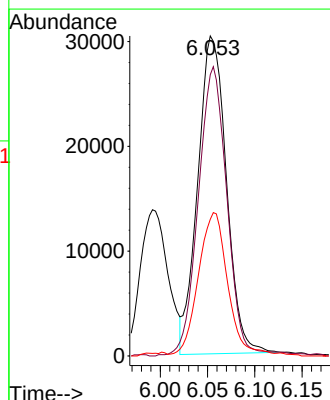
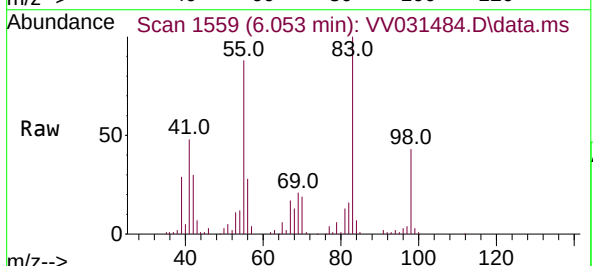
Tgt Ion: 83 Resp: 63894

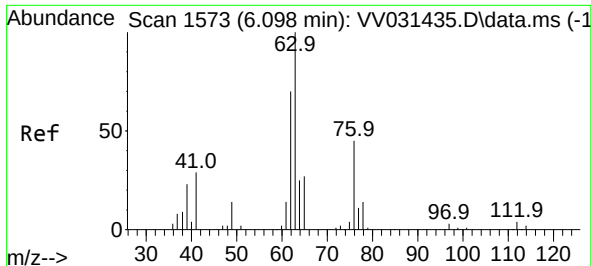
Ion Ratio Lower Upper

83 100

55 90.0 73.9 110.9

98 46.4 37.0 55.4





#37

1,2-Dichloropropane

Concen: 54.830 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

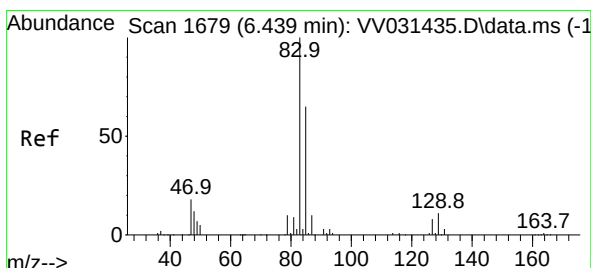
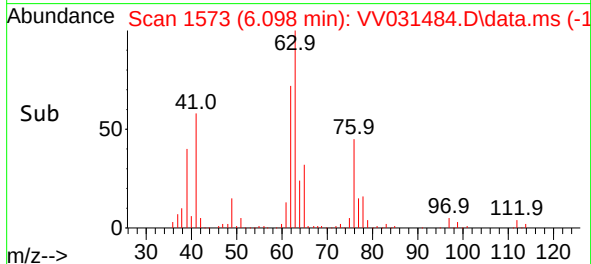
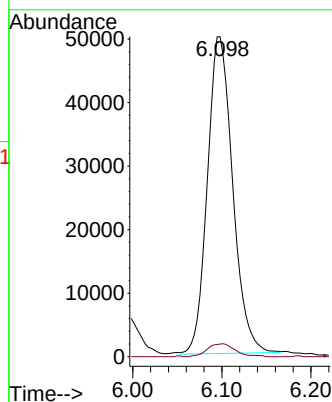
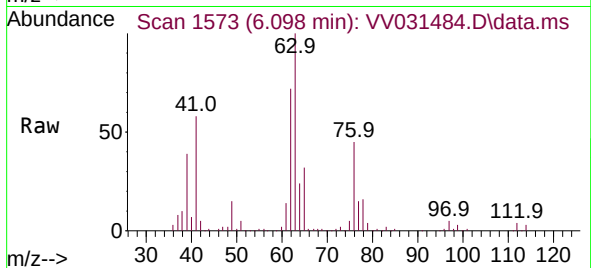
VSTD050365

Tgt Ion: 63 Resp: 98538

Ion Ratio Lower Upper

63 100

112 4.5 3.3 4.9



#38

Bromodichloromethane

Concen: 55.034 ug/L

RT: 6.435 min Scan# 1678

Delta R.T. -0.003 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

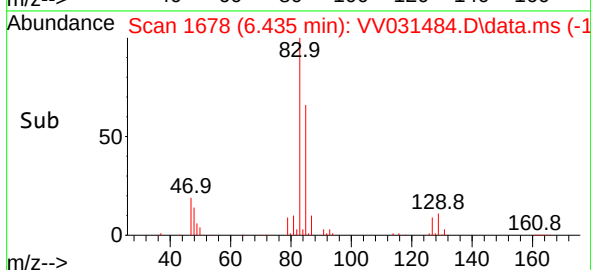
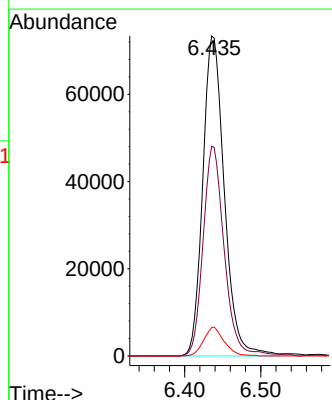
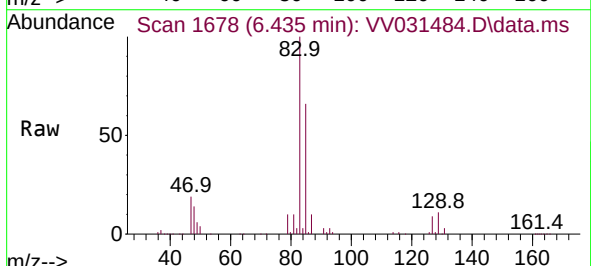
Tgt Ion: 83 Resp: 144759

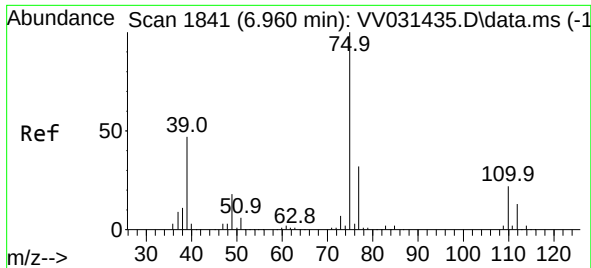
Ion Ratio Lower Upper

83 100

85 65.6 43.2 80.2

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 49.472 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

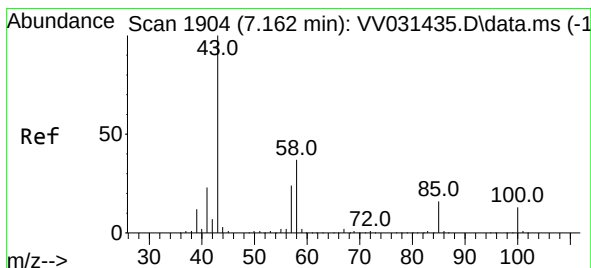
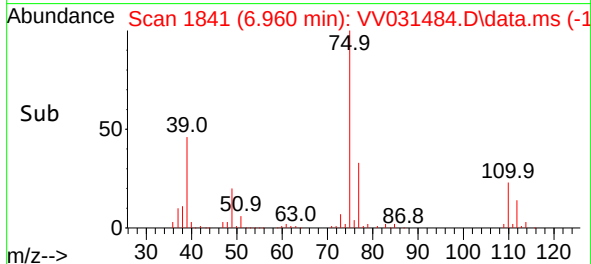
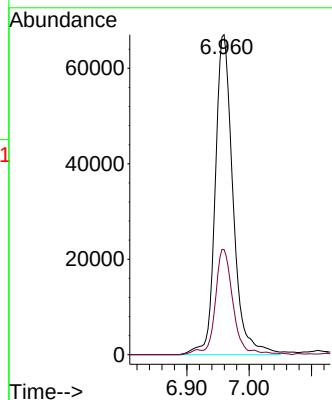
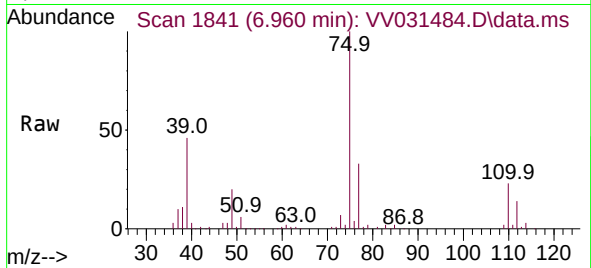
VSTD050365

Tgt Ion: 75 Resp: 132832

Ion Ratio Lower Upper

75 100

77 32.9 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 116.233 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

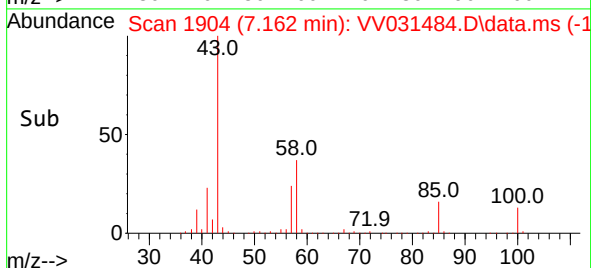
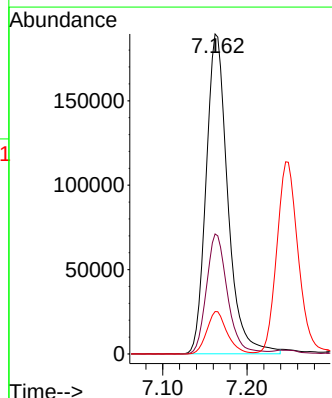
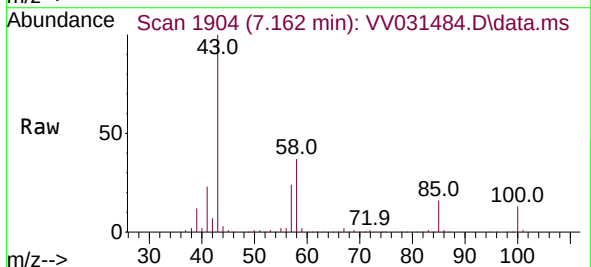
Tgt Ion: 43 Resp: 339332

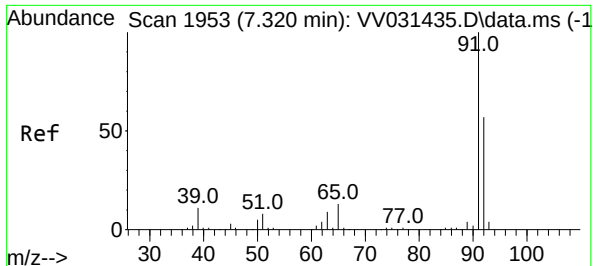
Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9

100 12.5 10.3 15.5





#42

Toluene

Concen: 57.248 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

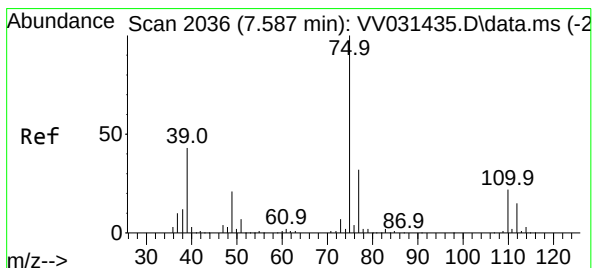
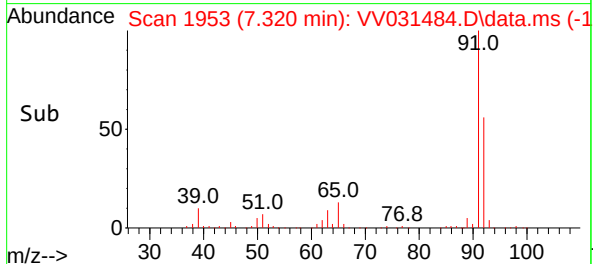
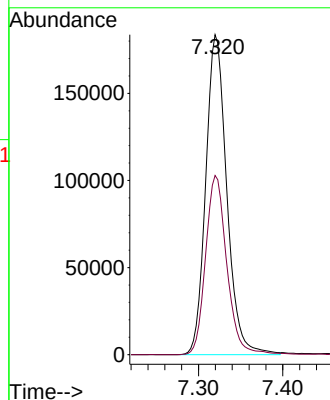
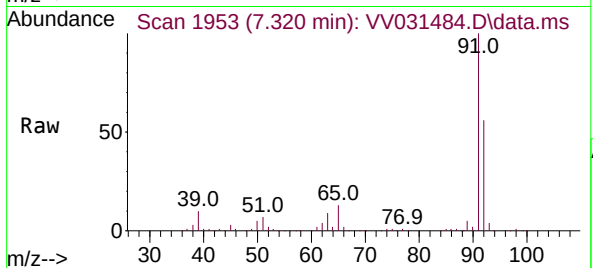
VSTD050365

Tgt Ion: 91 Resp: 319940

Ion Ratio Lower Upper

91 100

92 56.0 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 52.450 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031484.D

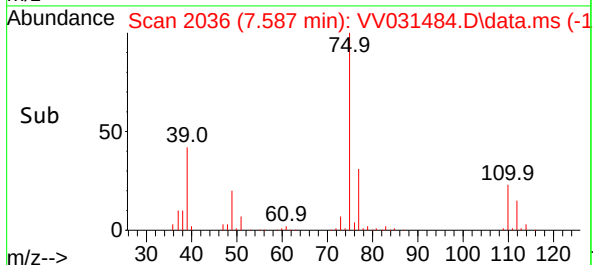
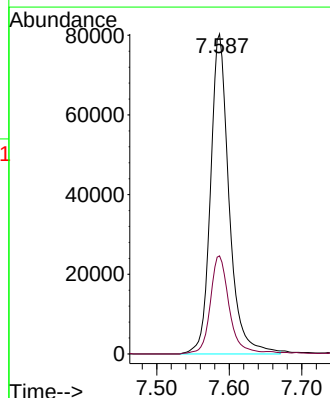
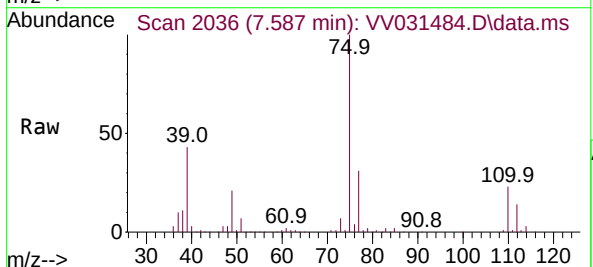
Acq: 09 Jun 2023 09:22

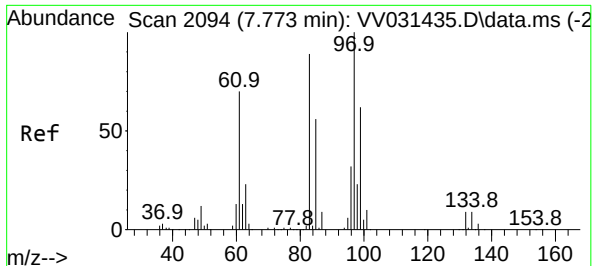
Tgt Ion: 75 Resp: 142841

Ion Ratio Lower Upper

75 100

77 30.6 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 57.599 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

Tgt Ion: 97 Resp: 106997

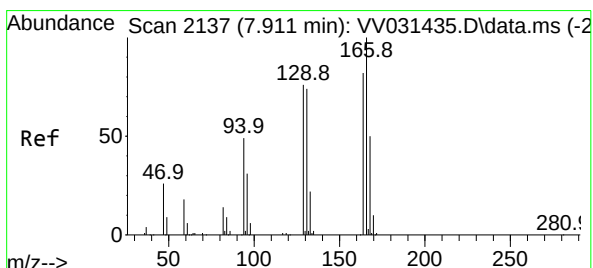
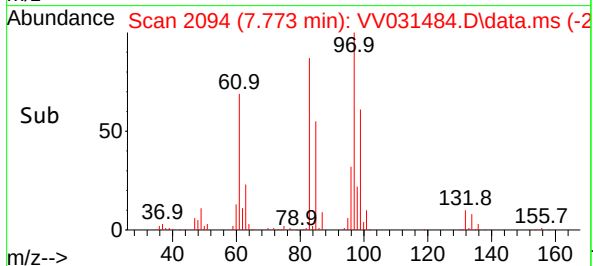
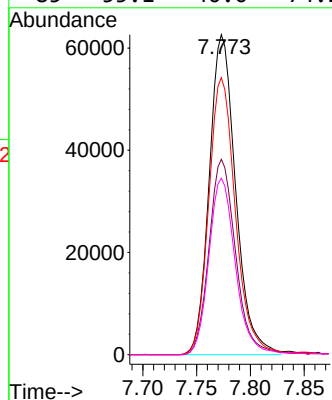
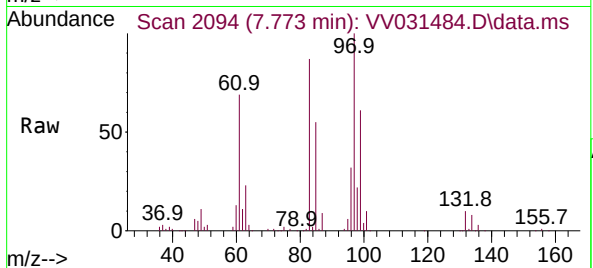
Ion Ratio Lower Upper

97 100

99 61.1 43.8 81.4

83 86.6 61.9 115.1

85 55.1 40.0 74.2



#46

Tetrachloroethene

Concen: 53.251 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Tgt Ion:164 Resp: 54380

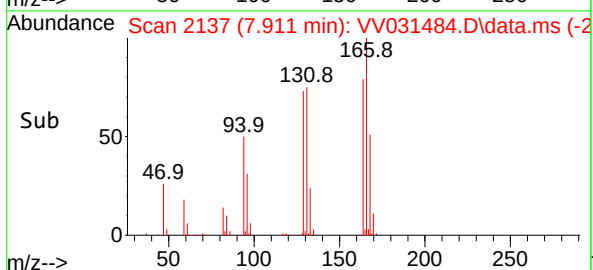
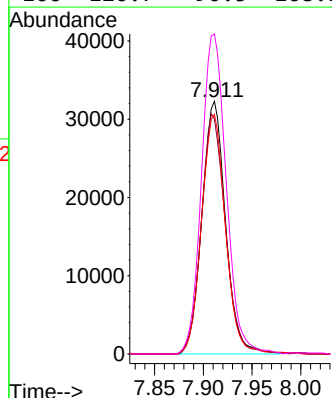
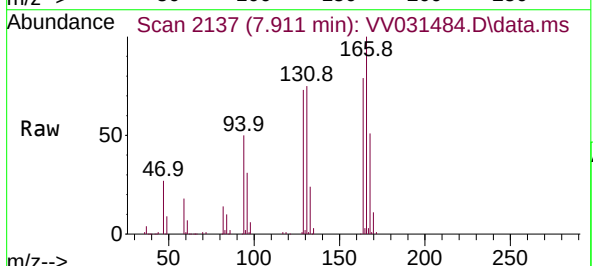
Ion Ratio Lower Upper

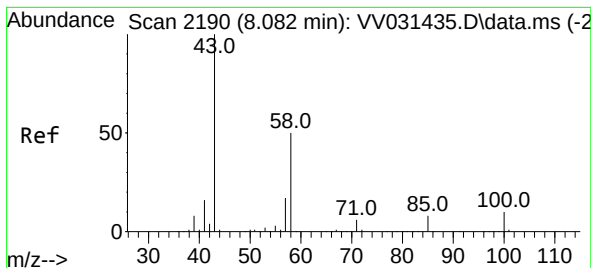
164 100

129 92.9 68.0 126.4

131 94.9 65.5 121.7

166 126.7 90.5 168.1





#48

2-Hexanone

Concen: 120.174 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

Tgt Ion: 43 Resp: 274616

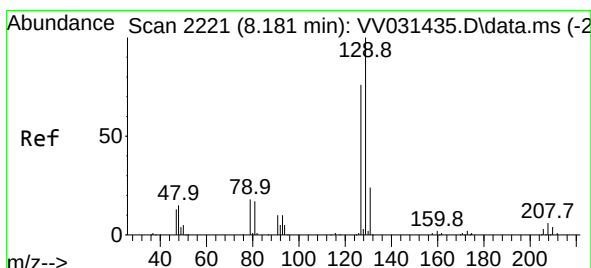
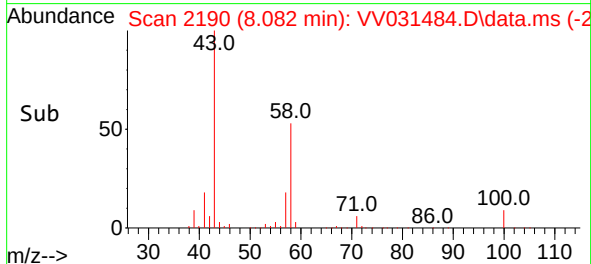
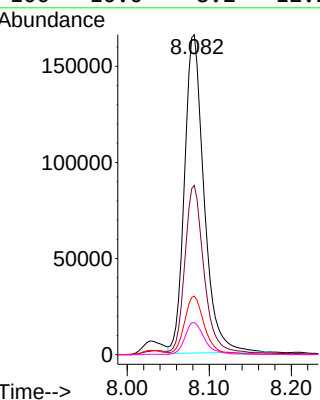
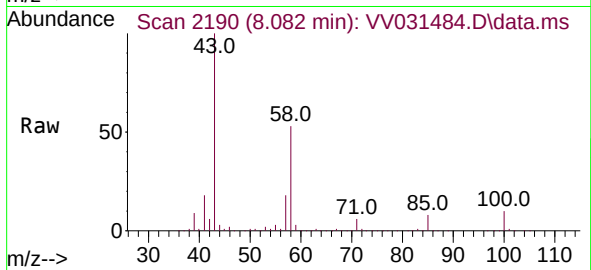
Ion Ratio Lower Upper

43 100

58 51.5 42.9 64.3

57 18.7 14.6 22.0

100 10.0 8.2 12.2



#49

Dibromochloromethane

Concen: 57.066 ug/L

RT: 8.181 min Scan# 2221

Delta R.T. -0.000 min

Lab File: VV031484.D

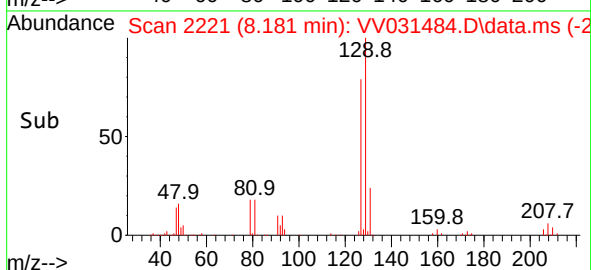
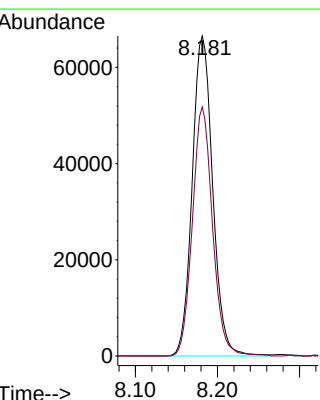
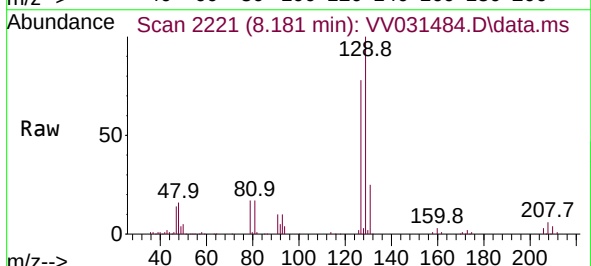
Acq: 09 Jun 2023 09:22

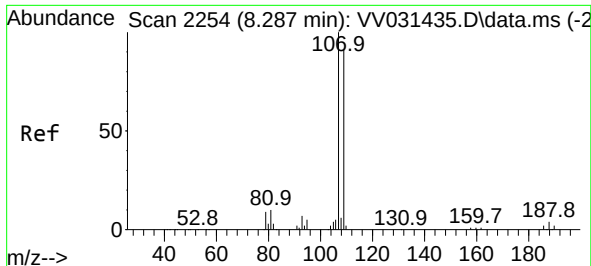
Tgt Ion:129 Resp: 115636

Ion Ratio Lower Upper

129 100

127 77.8 55.5 103.1





#50

1,2-Dibromoethane

Concen: 55.967 ug/L

RT: 8.287 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

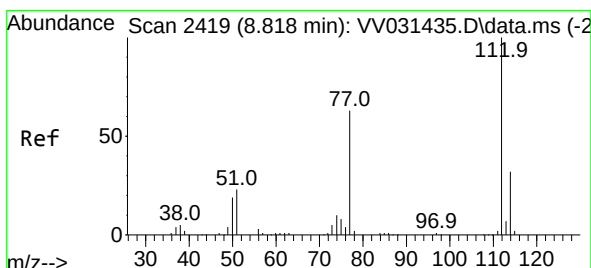
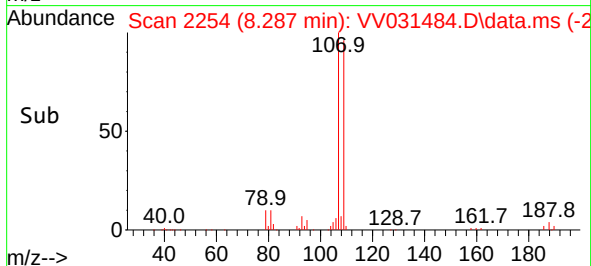
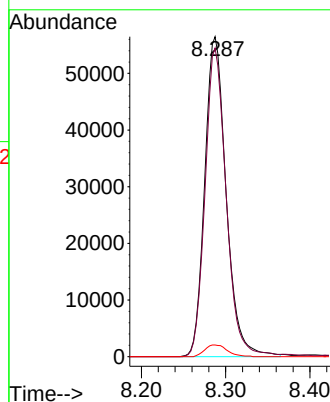
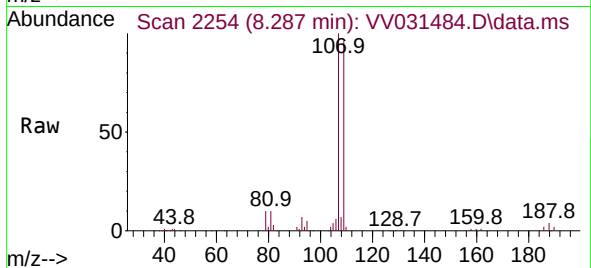
Tgt Ion:107 Resp: 100088

Ion Ratio Lower Upper

107 100

109 96.4 64.1 119.1

188 3.9 3.3 4.9



#51

Chlorobenzene

Concen: 53.901 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

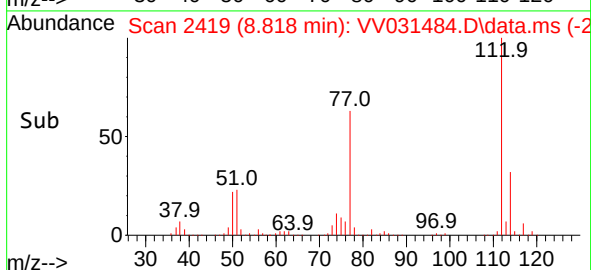
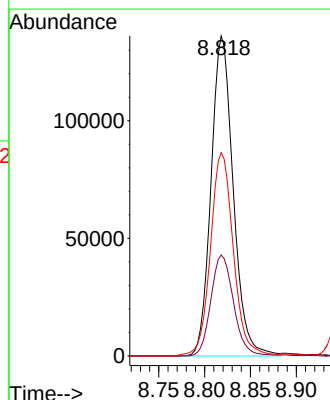
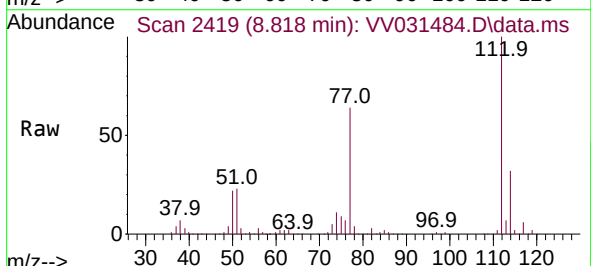
Tgt Ion:112 Resp: 229046

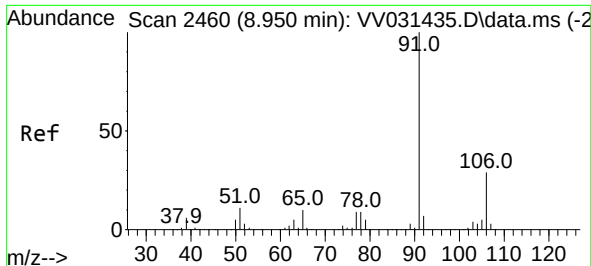
Ion Ratio Lower Upper

112 100

114 31.5 22.4 41.6

77 63.5 52.4 78.6





#52

Ethylbenzene

Concen: 54.272 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

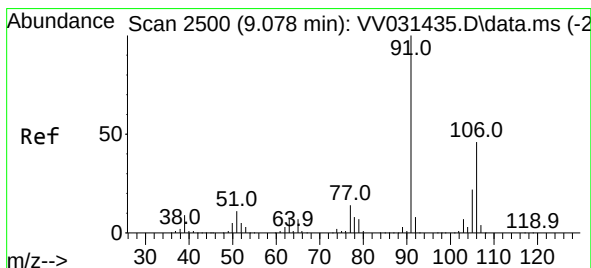
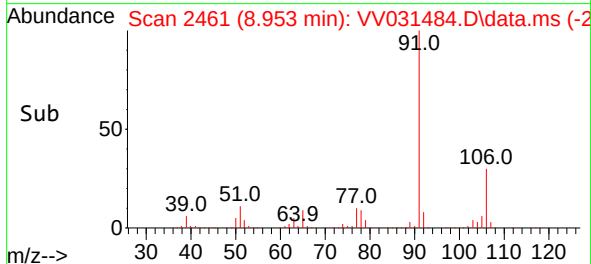
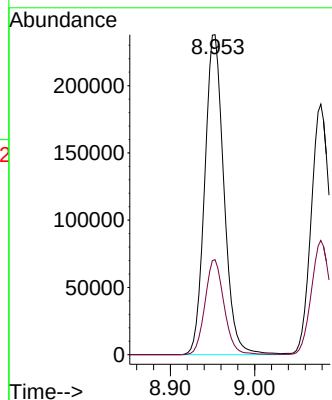
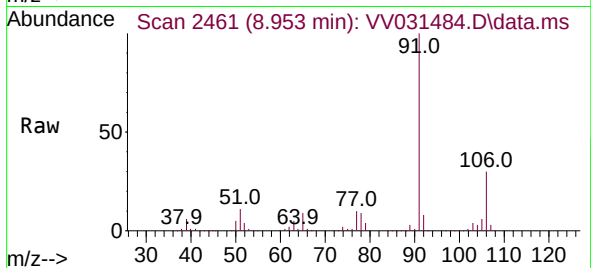
VSTD050365

Tgt Ion: 91 Resp: 377475

Ion Ratio Lower Upper

91 100

106 29.7 20.4 38.0



#53

m,p-Xylene

Concen: 54.691 ug/L

RT: 9.078 min Scan# 2500

Delta R.T. -0.000 min

Lab File: VV031484.D

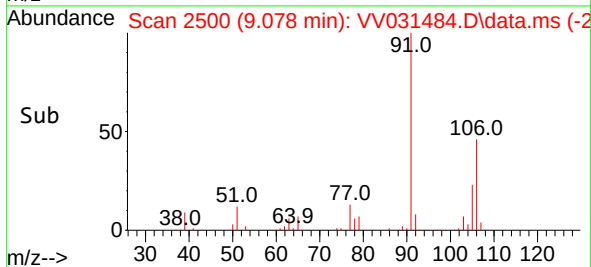
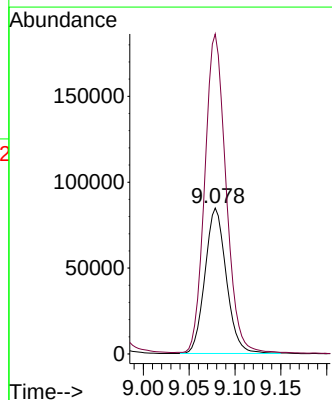
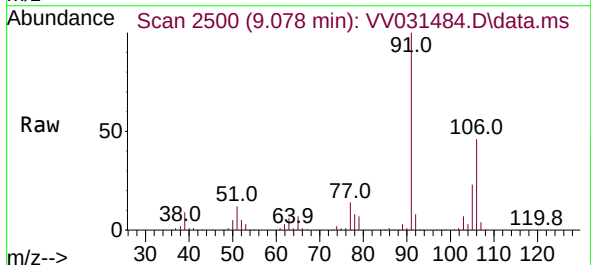
Acq: 09 Jun 2023 09:22

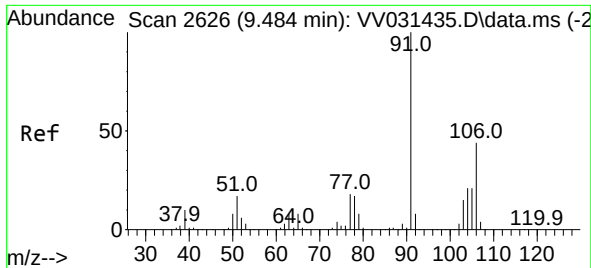
Tgt Ion:106 Resp: 137079

Ion Ratio Lower Upper

106 100

91 219.3 149.4 277.5

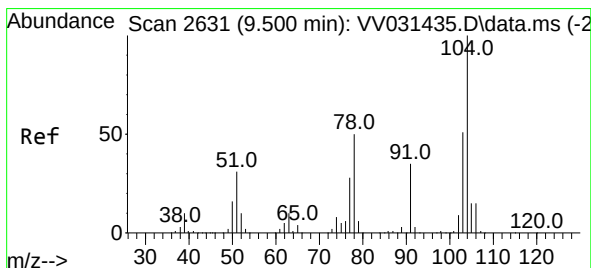
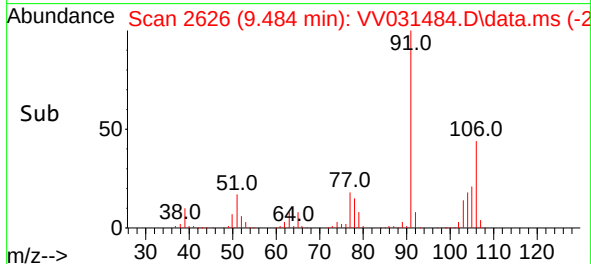
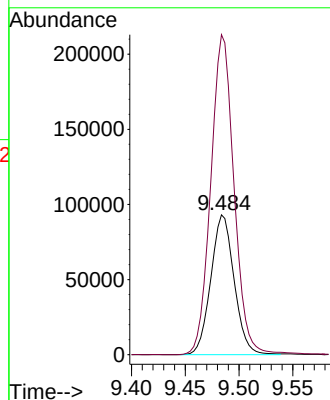
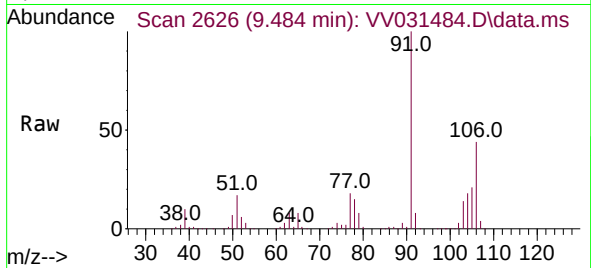




#54
o-Xylene
Concen: 55.512 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

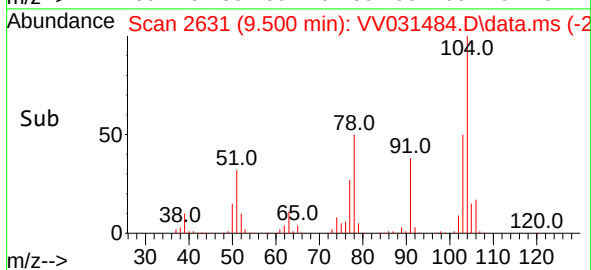
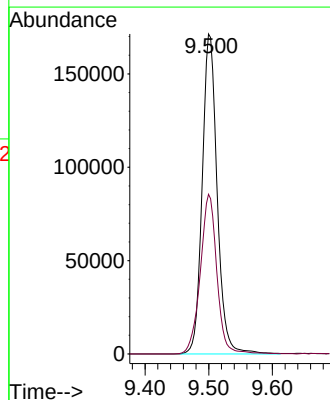
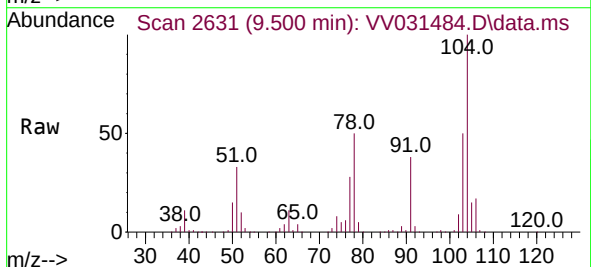
Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

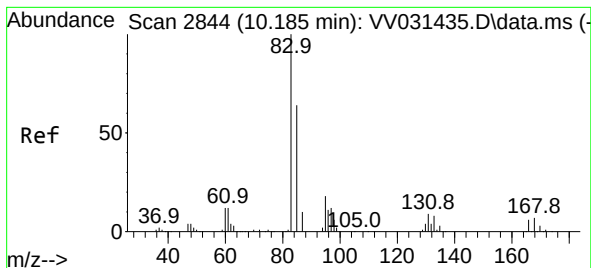
Tgt Ion:106 Resp: 140359
Ion Ratio Lower Upper
106 100
91 228.8 163.8 304.2



#55
Styrene
Concen: 60.751 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion:104 Resp: 280045
Ion Ratio Lower Upper
104 100
78 49.9 35.9 66.7

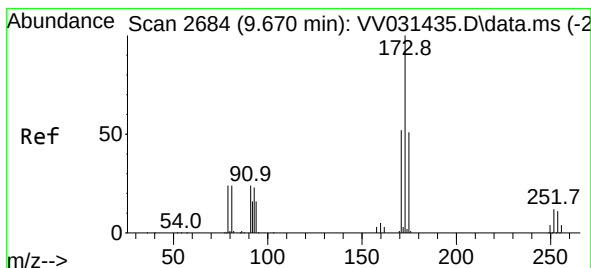
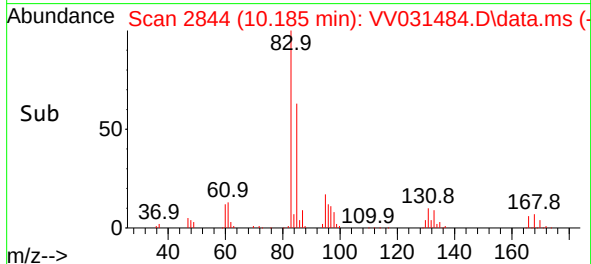
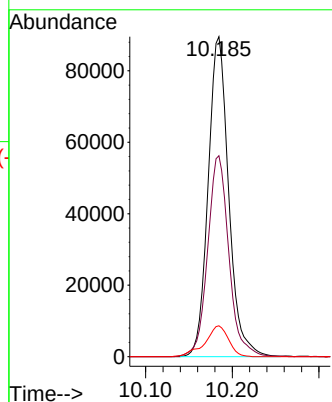
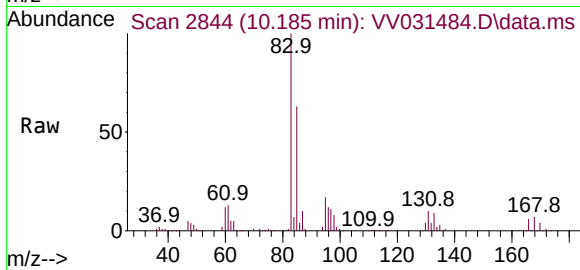




#57
1,1,2,2-Tetrachloroethane
Concen: 51.802 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

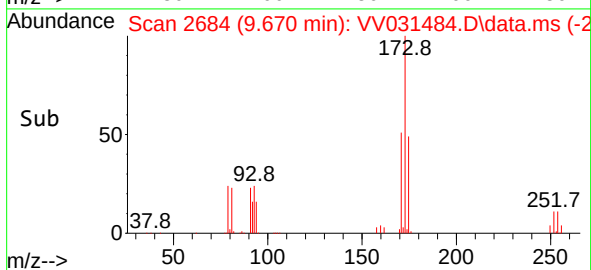
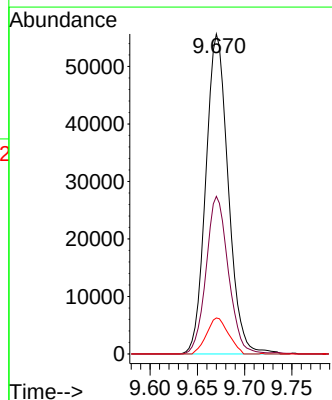
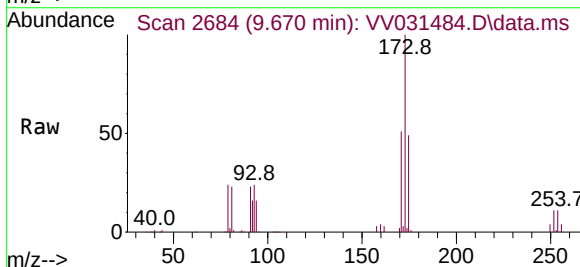
Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

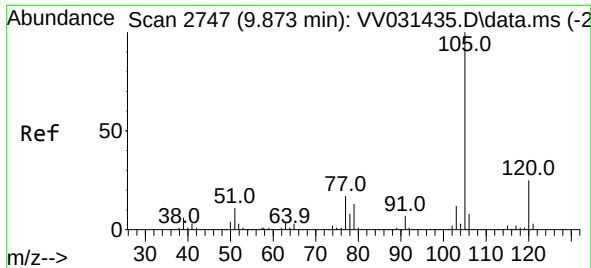
Tgt Ion: 83 Resp: 147509
Ion Ratio Lower Upper
83 100
85 62.8 43.7 81.1
131 9.6 7.3 10.9



#59
Bromoform
Concen: 51.363 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion: 173 Resp: 91890
Ion Ratio Lower Upper
173 100
175 48.8 38.8 58.2
254 10.9 8.7 13.1

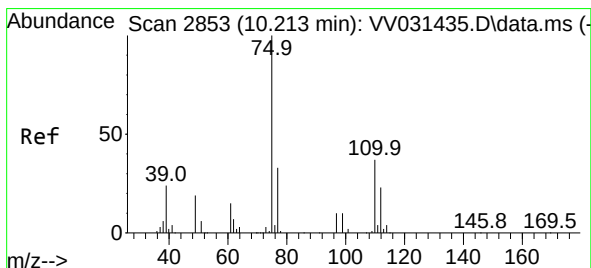
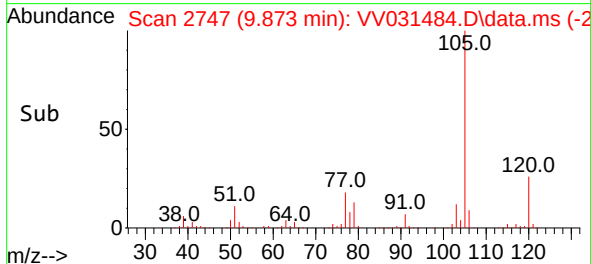
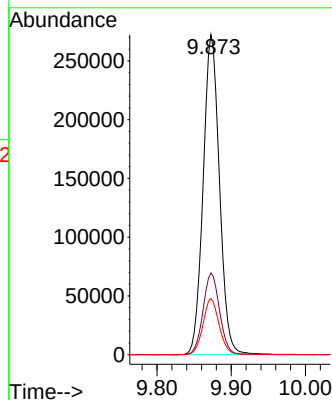
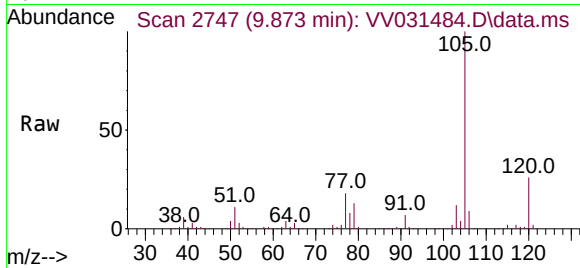




#60
Isopropylbenzene
Concen: 52.071 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

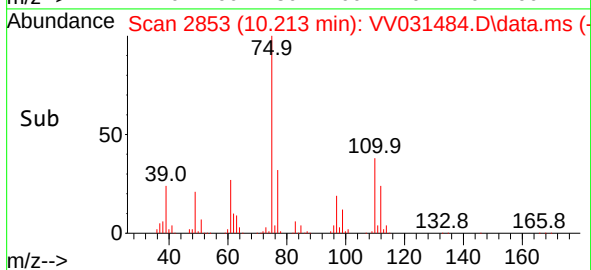
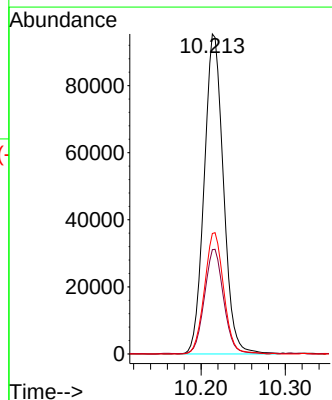
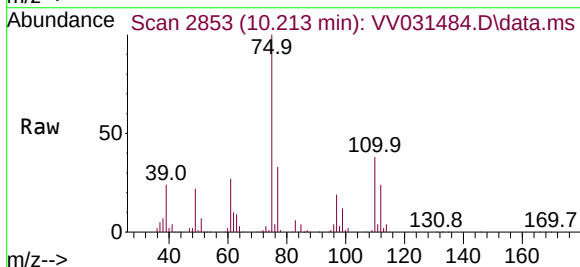
Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

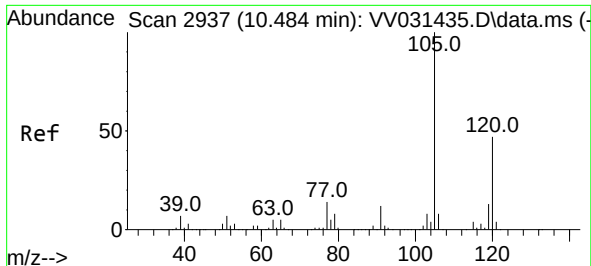
Tgt Ion:105 Resp: 415445
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 17.4 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 53.682 ug/L
RT: 10.213 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion: 75 Resp: 151731
Ion Ratio Lower Upper
75 100
77 32.7 25.6 38.4
110 37.8 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 52.070 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

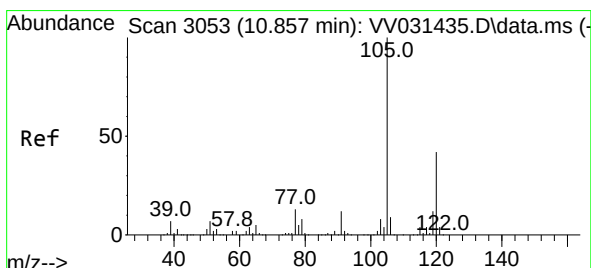
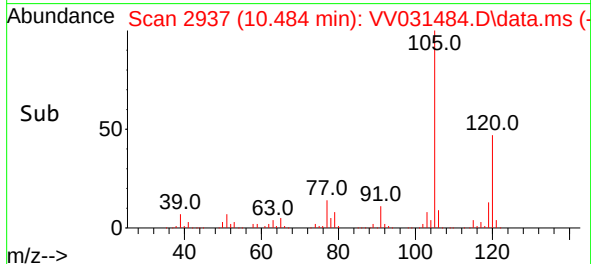
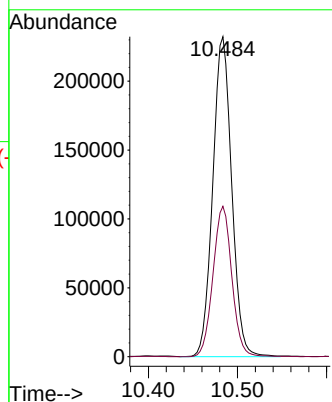
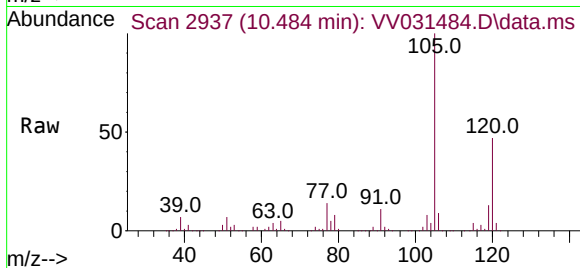
VSTD050365

Tgt Ion:105 Resp: 343091

Ion Ratio Lower Upper

105 100

120 46.8 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 53.680 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VV031484.D

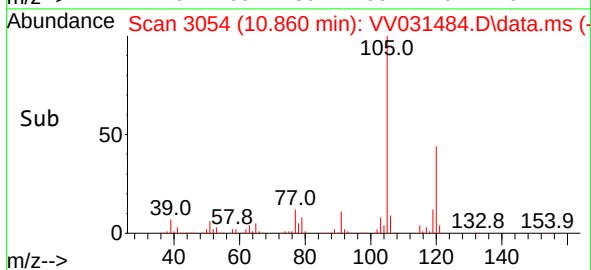
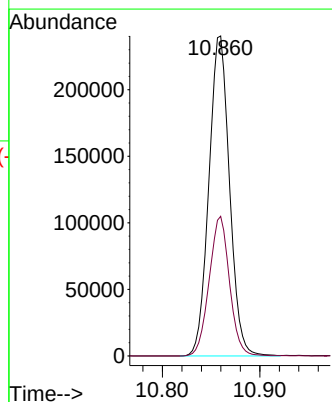
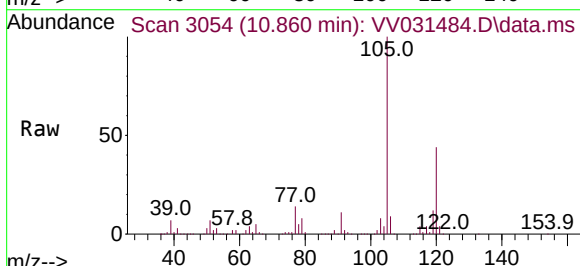
Acq: 09 Jun 2023 09:22

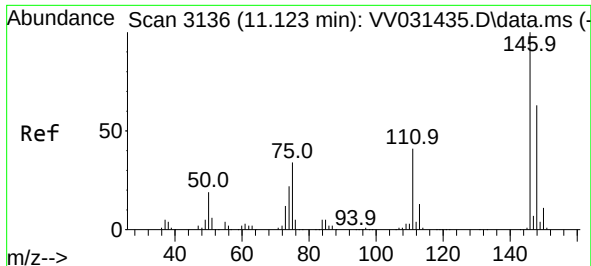
Tgt Ion:105 Resp: 354044

Ion Ratio Lower Upper

105 100

120 43.0 35.0 52.4





#64

1,3-Dichlorobenzene

Concen: 54.002 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

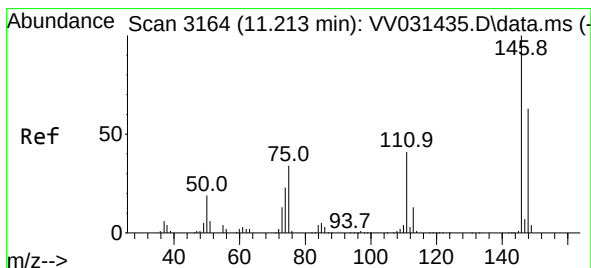
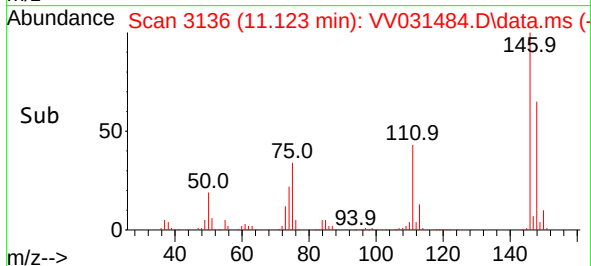
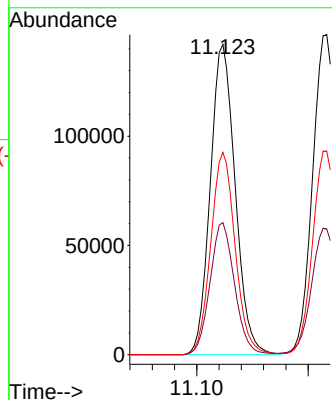
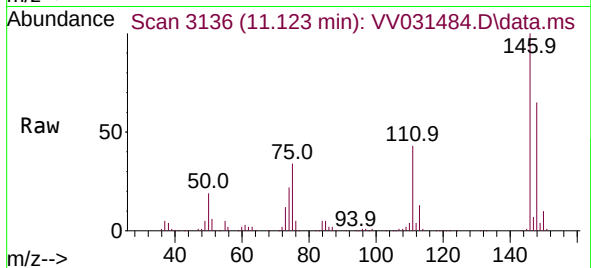
Tgt Ion:146 Resp: 220534

Ion Ratio Lower Upper

146 100

111 42.5 29.3 54.5

148 65.2 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 53.231 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

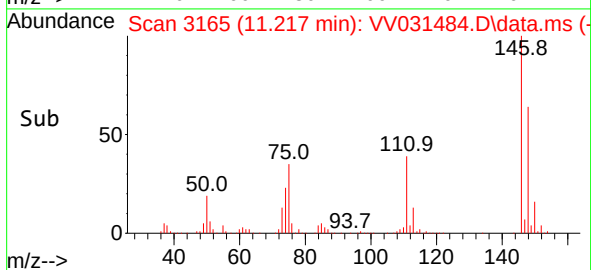
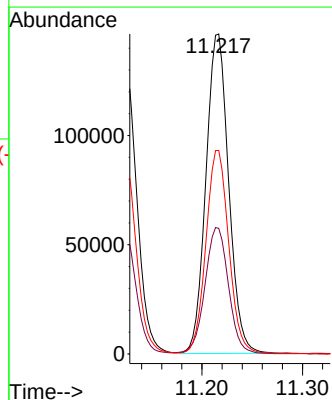
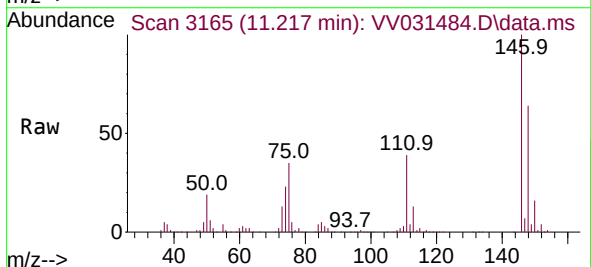
Tgt Ion:146 Resp: 229931

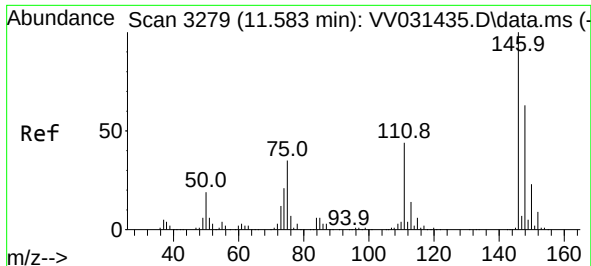
Ion Ratio Lower Upper

146 100

111 39.2 28.1 52.3

148 63.6 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 54.805 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

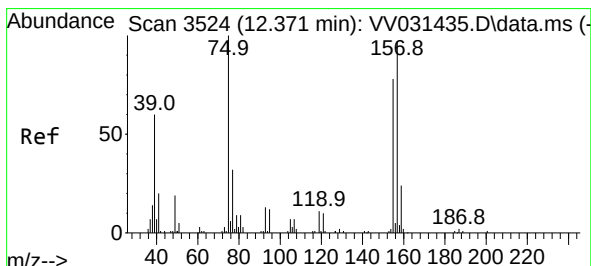
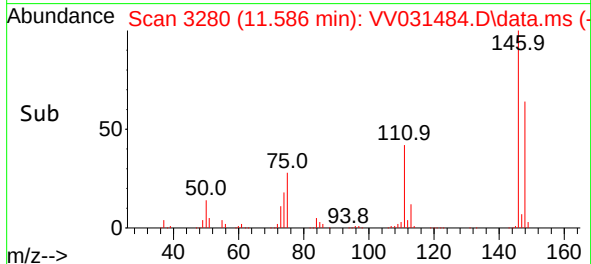
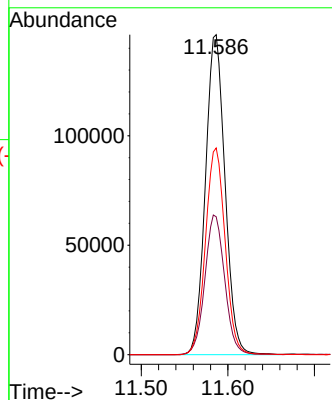
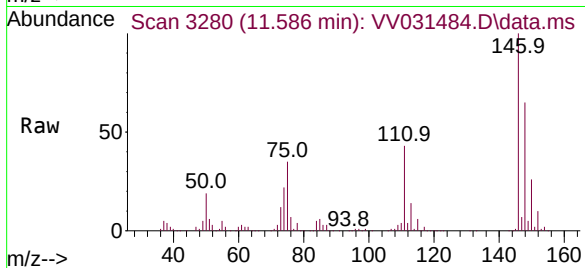
Tgt Ion:146 Resp: 229433

Ion Ratio Lower Upper

146 100

111 43.1 34.5 51.7

148 64.6 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 54.098 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

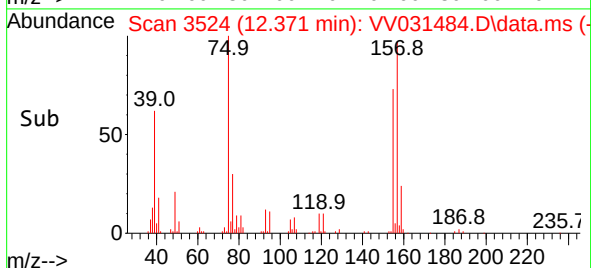
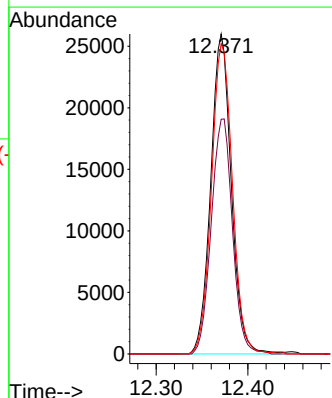
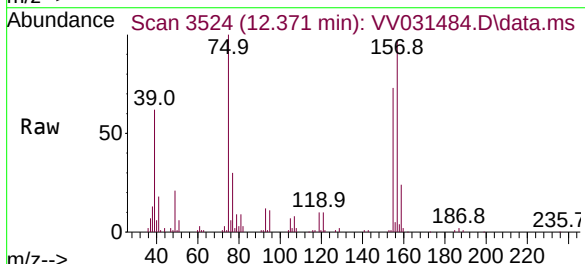
Tgt Ion: 75 Resp: 40529

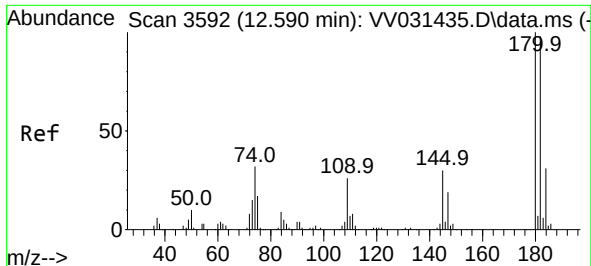
Ion Ratio Lower Upper

75 100

155 73.4 62.1 93.1

157 97.0 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 52.881 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD050365

Tgt Ion:180 Resp: 166261

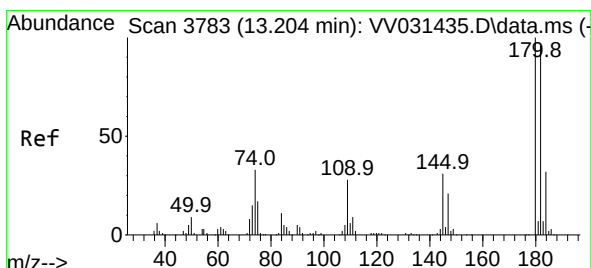
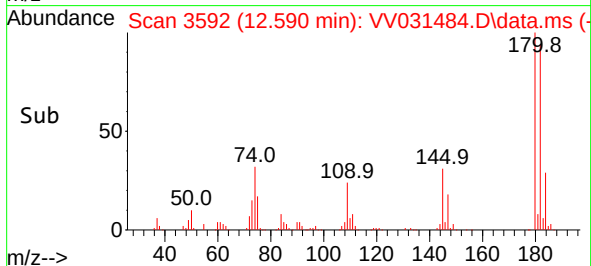
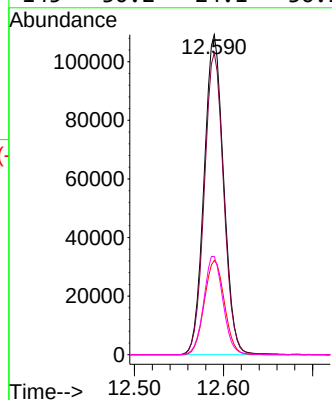
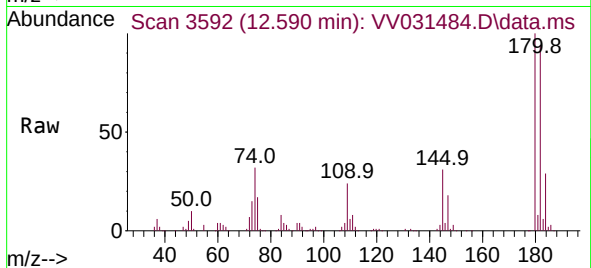
Ion Ratio Lower Upper

180 100

182 93.5 75.7 113.5

184 30.2 23.9 35.9

145 30.2 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 52.403 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. -0.000 min

Lab File: VV031484.D

Acq: 09 Jun 2023 09:22

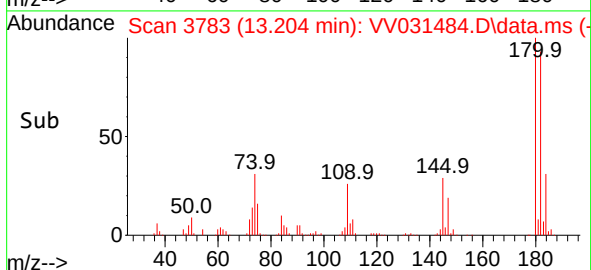
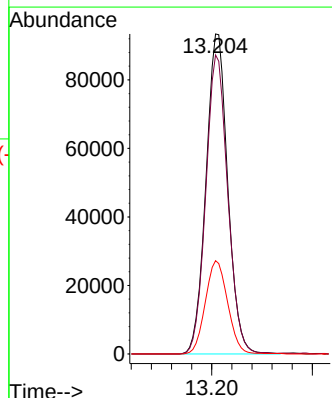
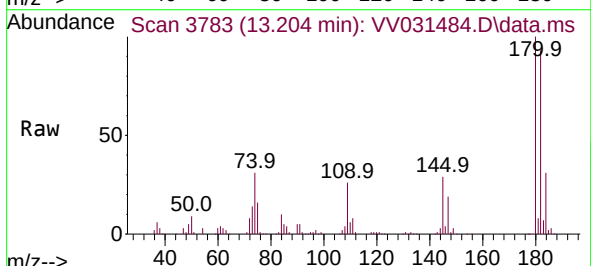
Tgt Ion:180 Resp: 140559

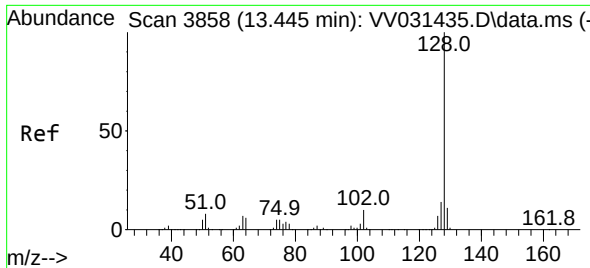
Ion Ratio Lower Upper

180 100

182 94.0 77.0 115.6

145 29.8 24.2 36.2

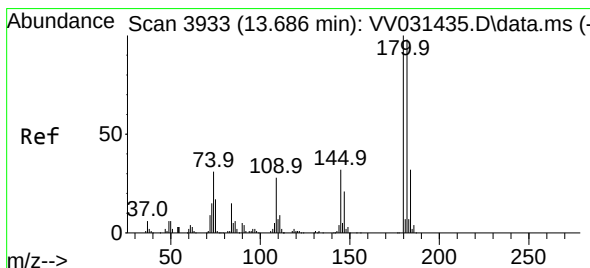
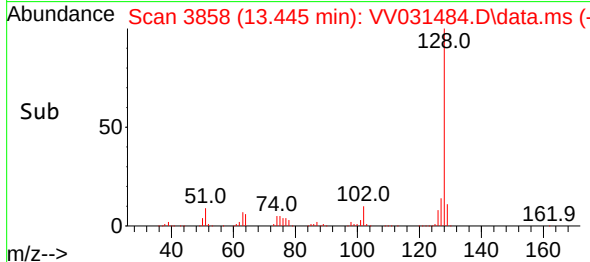
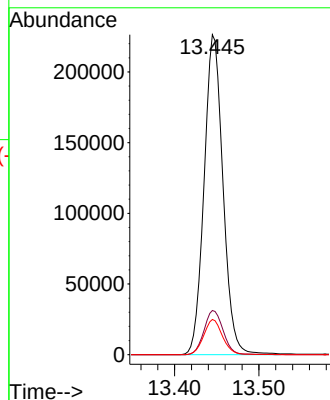
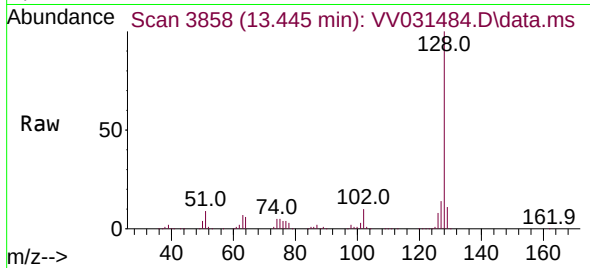




#71
Naphthalene
Concen: 48.170 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD050365

Tgt Ion:128 Resp: 354128
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 10.9 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 55.551 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031484.D
Acq: 09 Jun 2023 09:22

Tgt Ion:180 Resp: 149352
Ion Ratio Lower Upper
180 100
182 94.9 77.4 116.2
145 32.6 25.6 38.4

