

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082423\
 Data File : VW031880.D
 Acq On : 23 Aug 2023 20:24
 Operator : SY/MD
 Sample : VSTD00574
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 04:25:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 24 04:23:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	122735	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	114777	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	60587	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	19797	4.776	ug/L	0.00
7) Chloroethane-d5	1.535	69	24106	5.076	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.063	65	11774	4.826	ug/L	0.00
20) 2-Butanone-d5	3.818	46	76448	37.734	ug/L	0.00
24) Chloroform-d	4.256	84	70108	4.997	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	35921	4.969	ug/L	0.00
32) Benzene-d6	4.966	84	132722	5.082	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	44621	4.845	ug/L	0.00
41) Toluene-d8	7.246	98	122334	5.048	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.561	79	16246	4.837	ug/L	0.00
46) 2-Hexanone-d5	8.030	63	94998	53.054	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33618	5.088	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.564	152	48496	4.943	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	33884	4.834	ug/L	100
3) Chloromethane	1.217	50	35041	4.666	ug/L	100
5) Vinyl chloride	1.285	62	37626	4.888	ug/L	100
6) Bromomethane	1.490	94	22514	4.680	ug/L	100
8) Chloroethane	1.555	64	23506	4.781	ug/L	100
9) Trichlorofluoromethane	1.719	101	48512	4.886	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	27547	4.652	ug/L	100
12) 1,1-Dichloroethene	2.072	96	26967	4.881	ug/L	100
13) Acetone	2.143	43	29771	23.412	ug/L	77
14) Carbon disulfide	2.246	76	73818	4.750	ug/L	100
15) Methyl Acetate	2.387	43	11002	4.566	ug/L	100
16) Methylene chloride	2.452	84	37070	4.126	ug/L	100
17) Methyl tert-butyl Ether	2.709	73	83405	4.865	ug/L	100
18) trans-1,2-Dichloroethene	2.699	96	29023	4.634	ug/L	100
19) 1,1-Dichloroethane	3.117	63	62234	4.825	ug/L	100
21) 2-Butanone	3.902	43	54293	32.904	ug/L	87
22) cis-1,2-Dichloroethene	3.822	96	35447	4.913	ug/L	100
23) Bromochloromethane	4.153	128	14751	5.153	ug/L	100
25) Chloroform	4.281	83	63300	4.814	ug/L	100
27) 1,2-Dichloroethane	5.050	62	37740	4.800	ug/L	100
29) 1,1,1-Trichloroethane	4.519	97	54112	4.881	ug/L	100
30) Cyclohexane	4.587	56	53142	4.664	ug/L	100
31) Carbon tetrachloride	4.741	117	43267	4.825	ug/L	100
33) Benzene	5.014	78	132431	5.009	ug/L	100
34) Trichloroethene	5.841	95	37121	4.804	ug/L	100
35) Methylcyclohexane	6.053	83	53195	4.729	ug/L	100
37) 1,2-Dichloropropane	6.098	63	34520	4.739	ug/L	100
38) Bromodichloromethane	6.439	83	46262	4.907	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	56437	5.093	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	235077	51.488	ug/L	100
42) Toluene	7.320	91	142312	4.845	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	45506	4.919	ug/L	100

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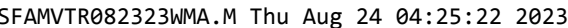
Quant Time: Aug 24 04:25:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 24 04:23:32 2023
 Response via : Initial Calibration

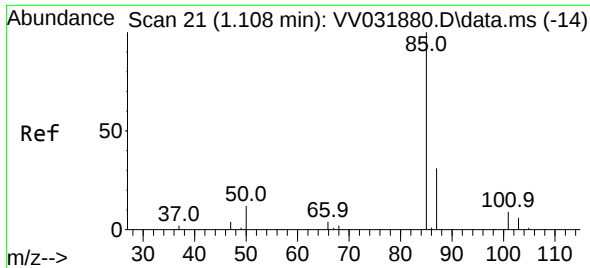
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.773	97	25961	4.979	ug/L	100
47) Tetrachloroethene	7.911	164	23569	4.775	ug/L	100
48) 2-Hexanone	8.082	43	171662	50.573	ug/L	100
49) Dibromochloromethane	8.181	129	27245	5.014	ug/L	100
50) 1,2-Dibromoethane	8.288	107	23611	5.007	ug/L	100
51) Chlorobenzene	8.818	112	90826	4.883	ug/L	100
52) Ethylbenzene	8.950	91	164211	4.863	ug/L	100
53) m,p-Xylene	9.079	106	62037	4.878	ug/L	100
54) o-Xylene	9.480	106	60405	4.915	ug/L	100
55) Styrene	9.500	104	105648	4.983	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	25898	4.906	ug/L	100
59) Bromoform	9.670	173	14595	5.098	ug/L	100
60) Isopropylbenzene	9.870	105	161700	4.801	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	22433	5.027	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	141280	4.894	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	138621	4.887	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	73213	4.909	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	73908	4.824	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	66650	4.883	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	5371	5.314	ug/L	100
69) 1,3,5-Trichlorobenzene	12.586	180	53129	4.792	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	47098	4.660	ug/L	100
71) Naphthalene	13.445	128	85254	4.478	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	40493	4.758	ug/L	100

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

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QLast Update : Thu Aug 24 04:23:32 2023
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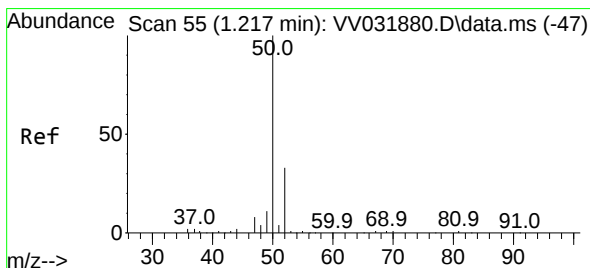
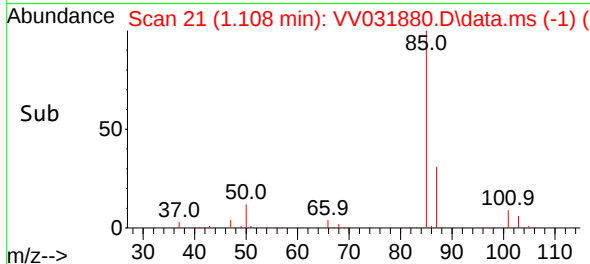
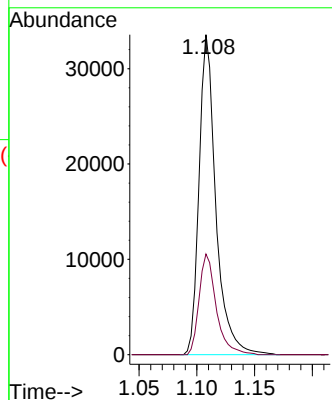
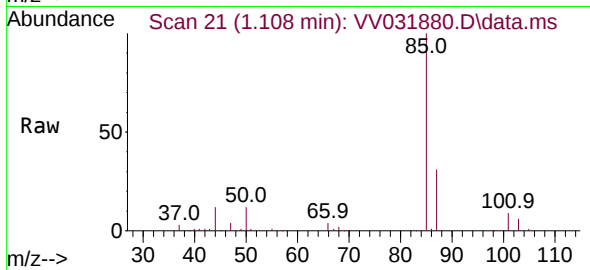




#2
 Dichlorodifluoromethane
 Concen: 4.834 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031880.D
 Acq: 23 Aug 2023 20:24

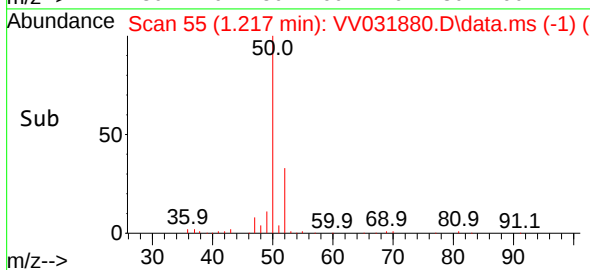
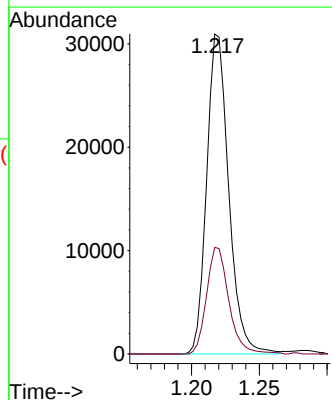
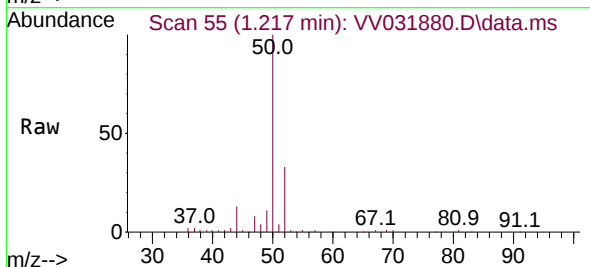
Instrument :
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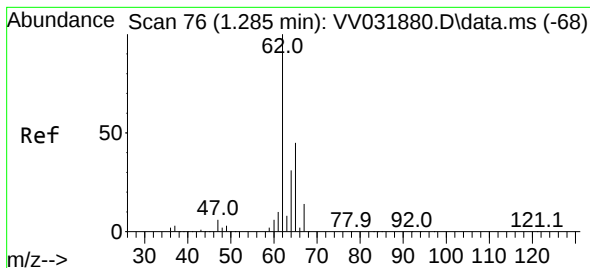
Tgt Ion: 85 Resp: 33884
 Ion Ratio Lower Upper
 85 100
 87 32.1 25.7 38.5



#3
 Chloromethane
 Concen: 4.666 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031880.D
 Acq: 23 Aug 2023 20:24

Tgt Ion: 50 Resp: 35041
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.3 43.3





#5

Vinyl chloride

Concen: 4.888 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

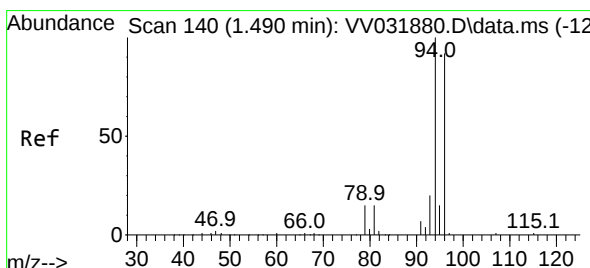
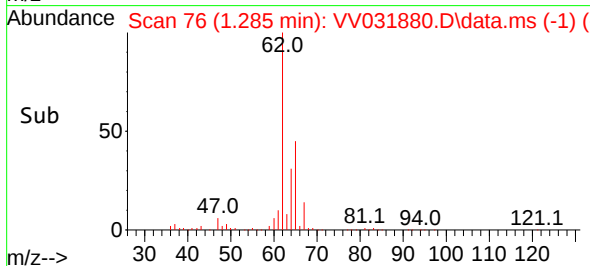
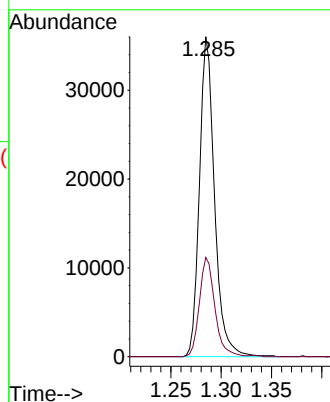
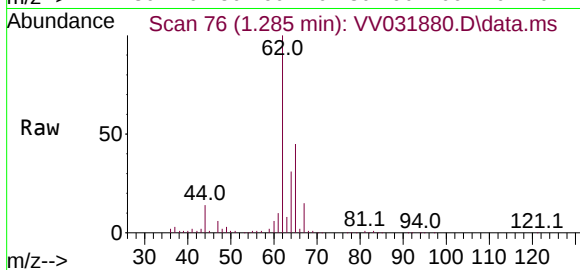
ClientSampleId :

Tgt Ion: 62 Resp: 37626

Ion Ratio Lower Upper

62 100

64 31.0 21.7 40.3



#6

Bromomethane

Concen: 4.680 ug/L

RT: 1.490 min Scan# 140

Delta R.T. 0.000 min

Lab File: VV031880.D

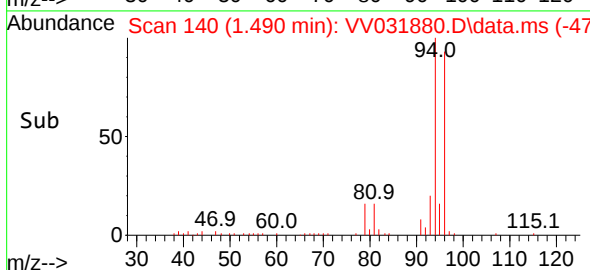
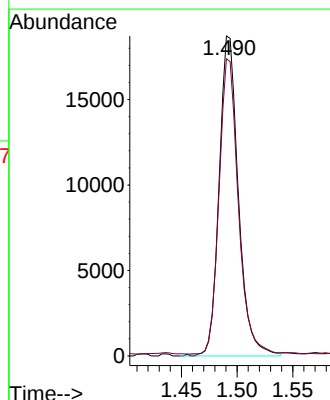
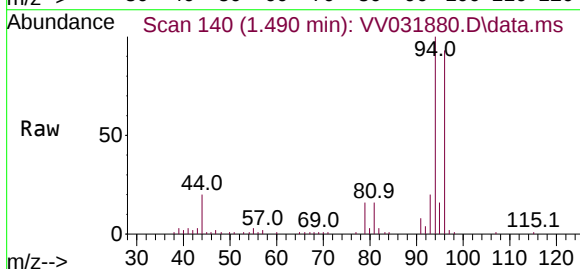
Acq: 23 Aug 2023 20:24

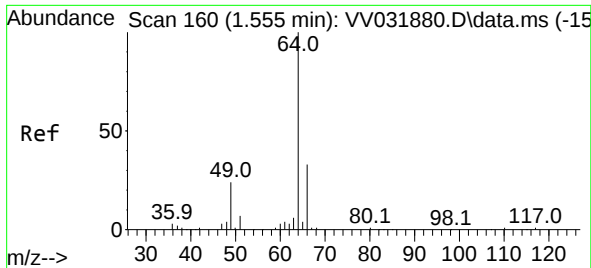
Tgt Ion: 94 Resp: 22514

Ion Ratio Lower Upper

94 100

96 92.9 65.0 120.8





#8

Chloroethane

Concen: 4.781 ug/L

RT: 1.555 min Scan# 160

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

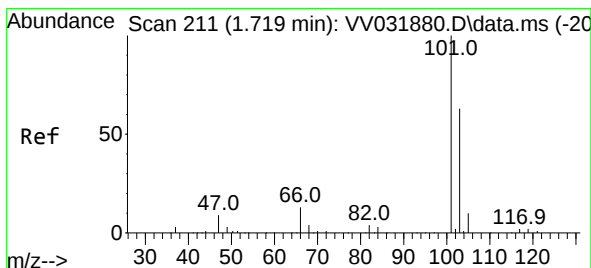
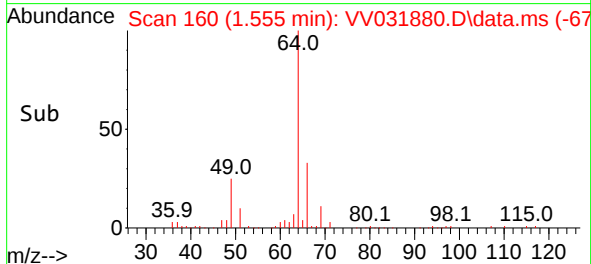
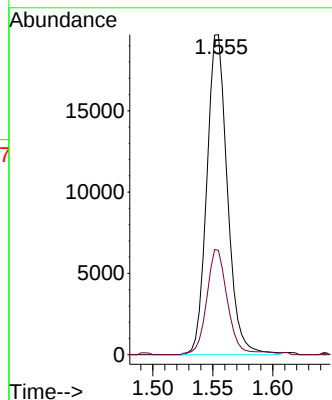
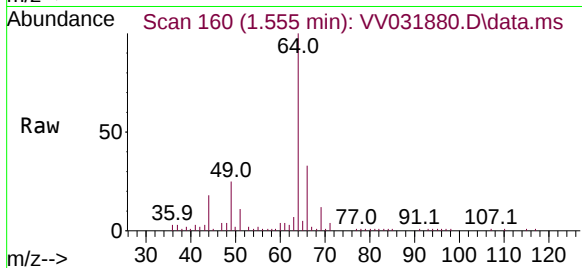
ClientSampleId :

Tgt Ion: 64 Resp: 23506

Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 4.886 ug/L

RT: 1.719 min Scan# 211

Delta R.T. 0.000 min

Lab File: VV031880.D

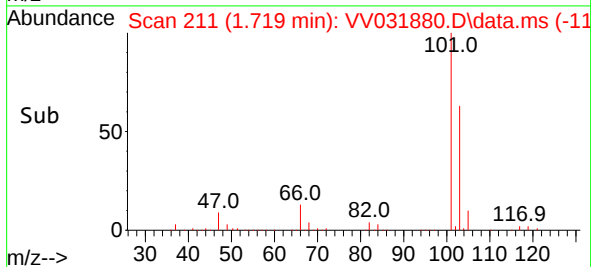
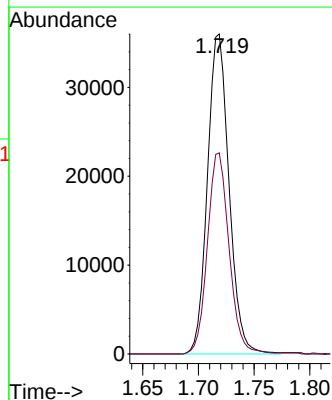
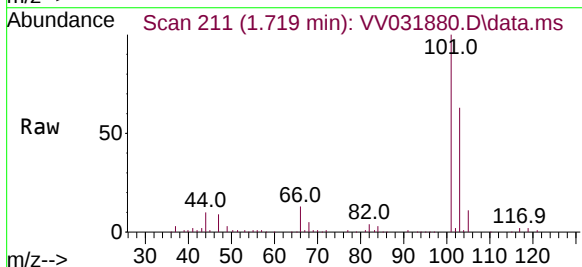
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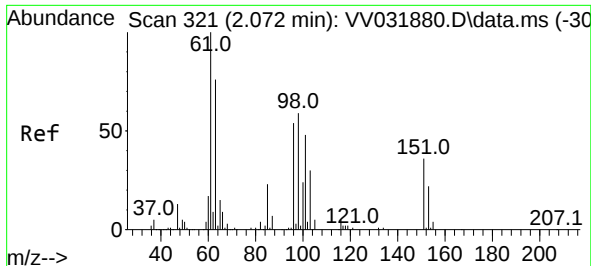
Tgt Ion:101 Resp: 48512

Ion Ratio Lower Upper

101 100

103 63.1 50.5 75.7

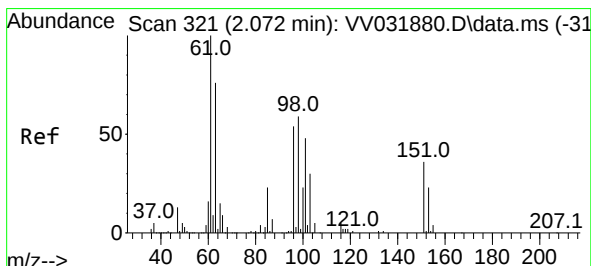
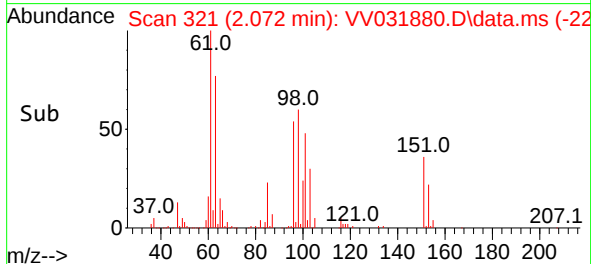
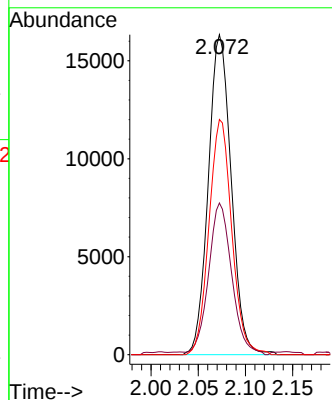
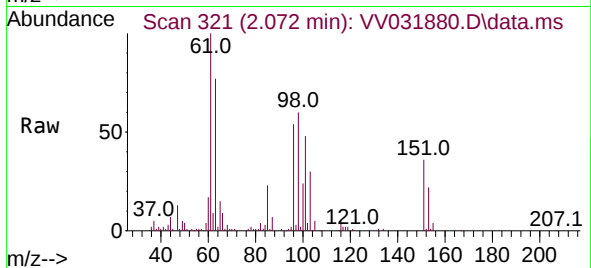




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.652 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031880.D
 Acq: 23 Aug 2023 20:24

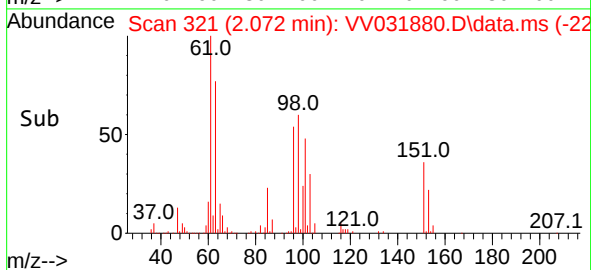
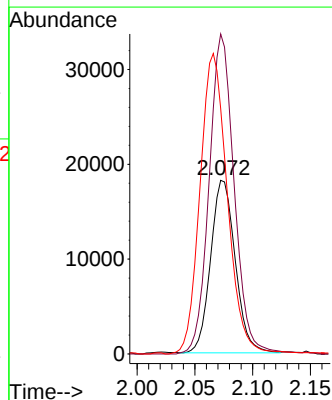
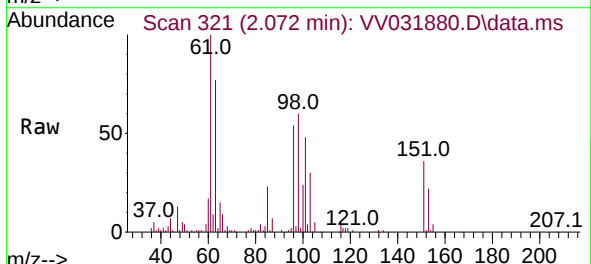
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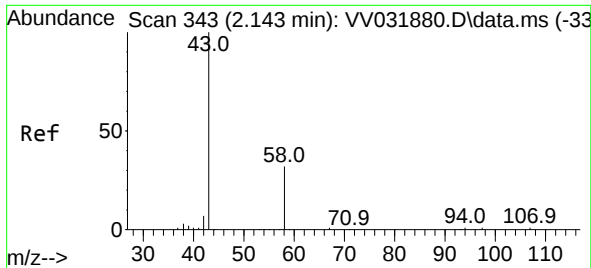
Tgt Ion:101 Resp: 27547
 Ion Ratio Lower Upper
 101 100
 85 47.9 38.3 57.5
 151 73.1 58.5 87.7



#12
 1,1-Dichloroethene
 Concen: 4.881 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031880.D
 Acq: 23 Aug 2023 20:24

Tgt Ion: 96 Resp: 26967
 Ion Ratio Lower Upper
 96 100
 61 184.3 129.0 239.6
 63 141.4 99.0 183.8





#13

Acetone

Concen: 23.412 ug/L

RT: 2.143 min Scan# 343

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

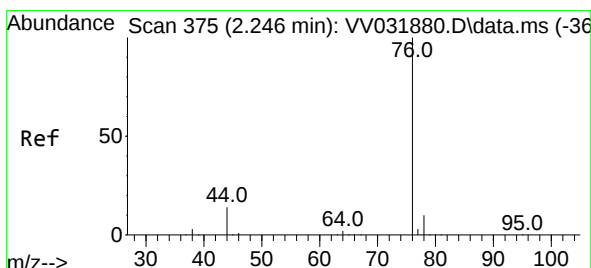
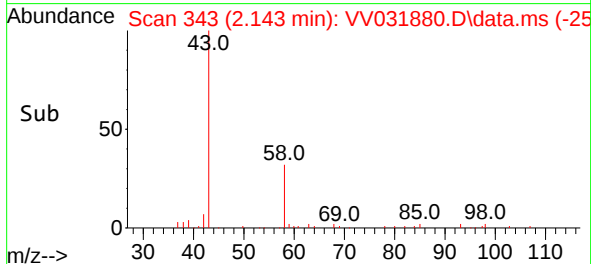
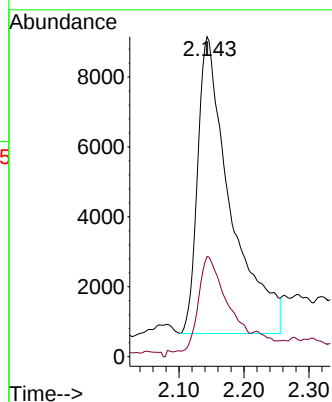
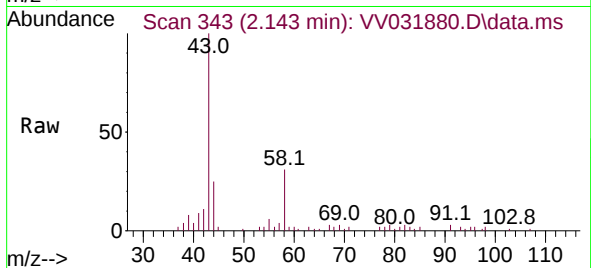
ClientSampleId :

Tgt Ion: 43 Resp: 29771

Ion Ratio Lower Upper

43 100

58 28.6 0.0 37.0



#14

Carbon disulfide

Concen: 4.750 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031880.D

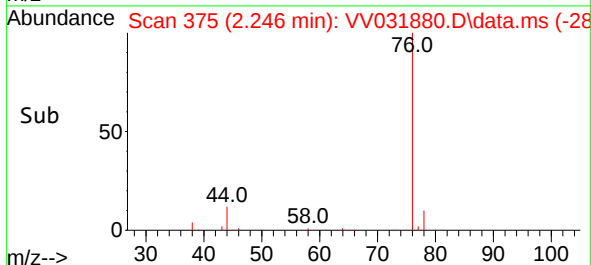
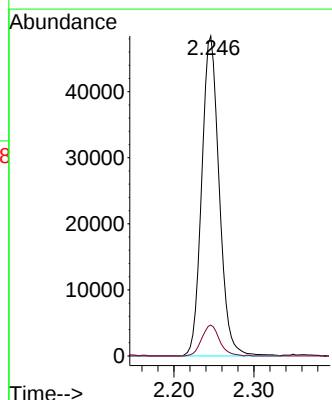
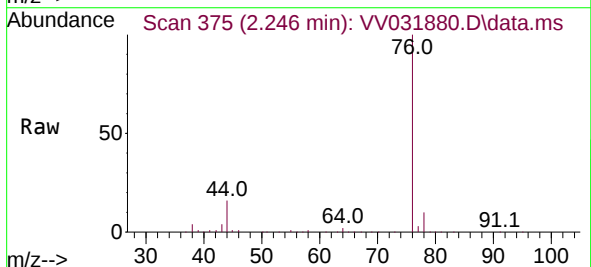
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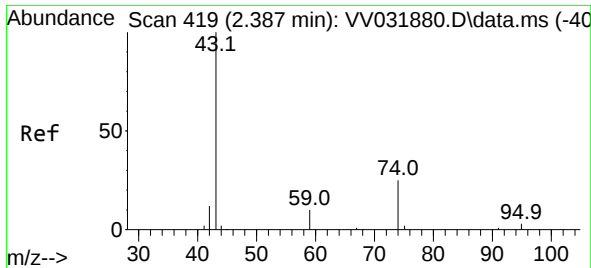
Tgt Ion: 76 Resp: 73818

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

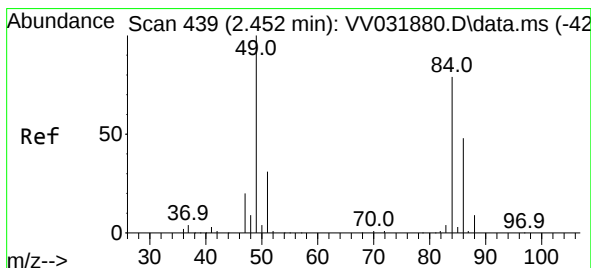
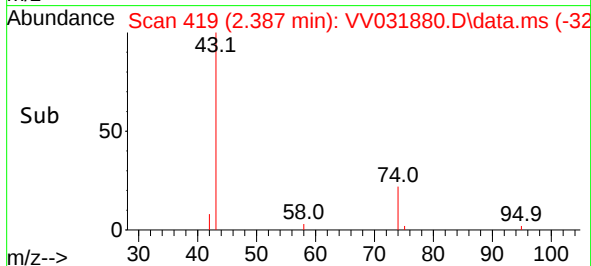
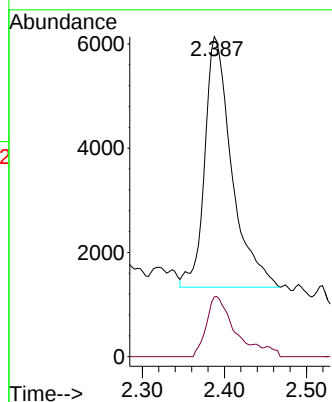
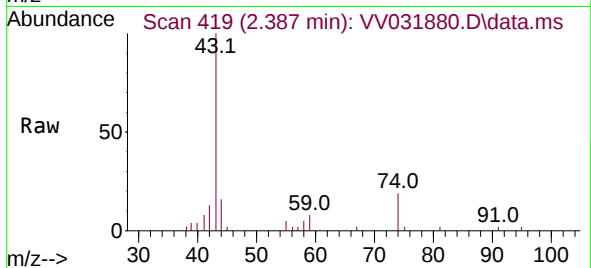




#15
Methyl Acetate
Concen: 4.566 ug/L
RT: 2.387 min Scan# 419
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

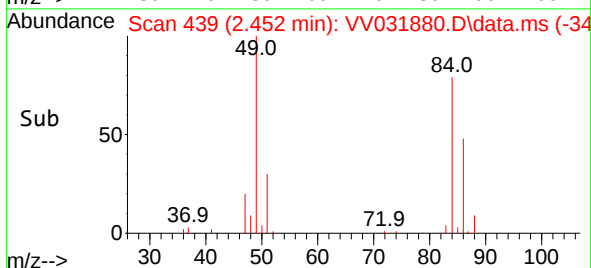
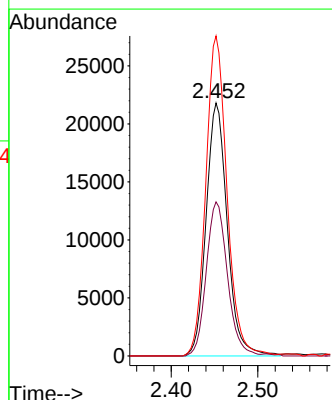
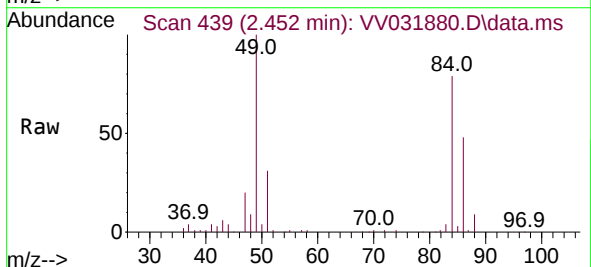
Instrument :
MSVOA_V
ClientSampleId :

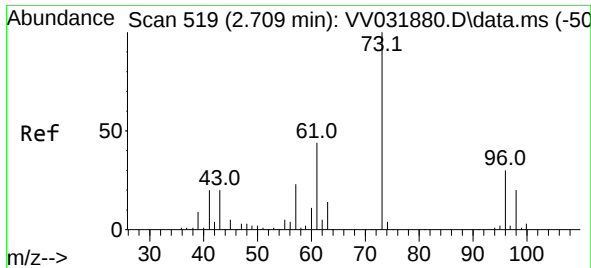
Tgt Ion: 43 Resp: 11002
Ion Ratio Lower Upper
43 100
74 22.9 18.3 27.5



#16
Methylene chloride
Concen: 4.126 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Tgt Ion: 84 Resp: 37070
Ion Ratio Lower Upper
84 100
86 60.9 42.6 79.2
49 126.5 88.5 164.4





#17

Methyl tert-butyl Ether

Concen: 4.865 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031880.D

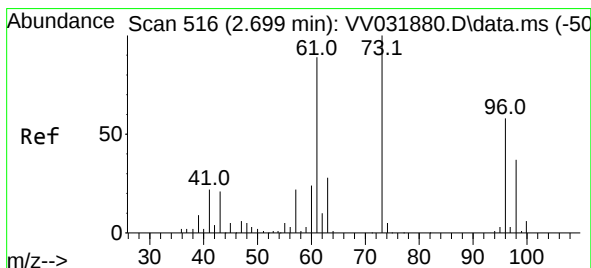
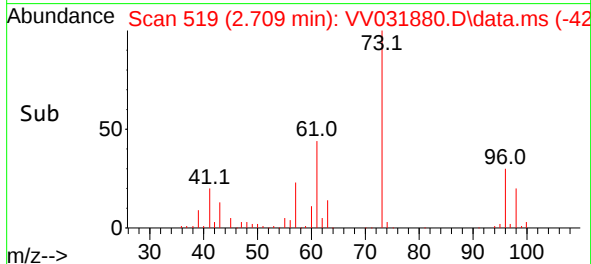
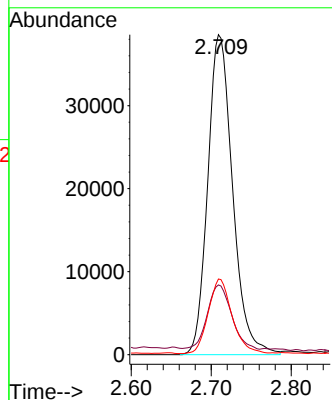
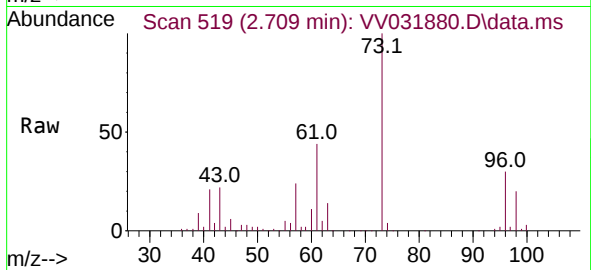
Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 73	Resp: 83405
Ion Ratio	Lower Upper
73 100	
43 19.5	15.6 23.4
57 22.3	17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 4.634 ug/L

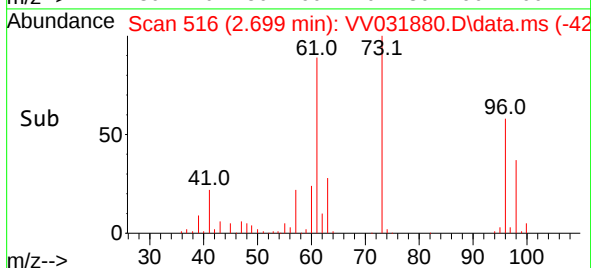
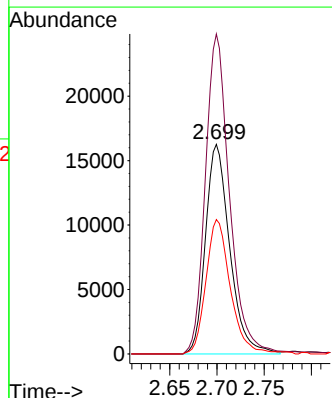
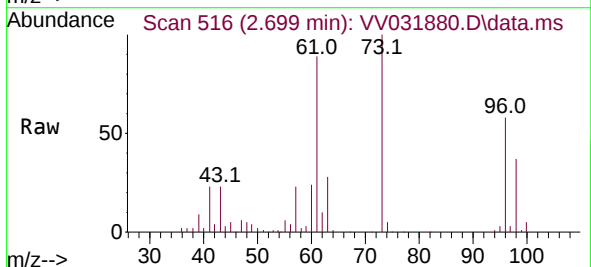
RT: 2.699 min Scan# 516

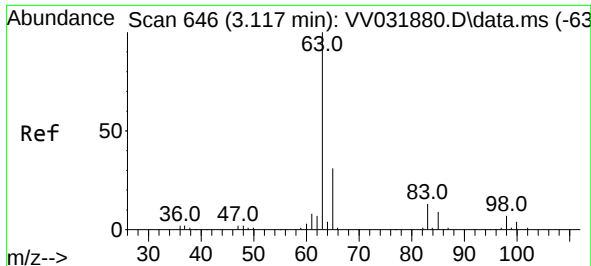
Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Tgt Ion: 96	Resp: 29023
Ion Ratio	Lower Upper
96 100	
61 152.6	106.8 198.4
98 64.1	44.9 83.3

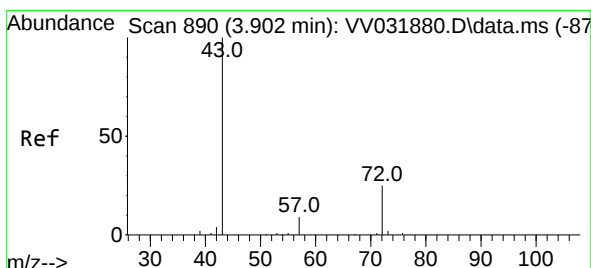
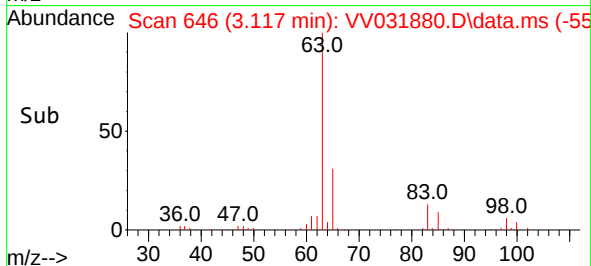
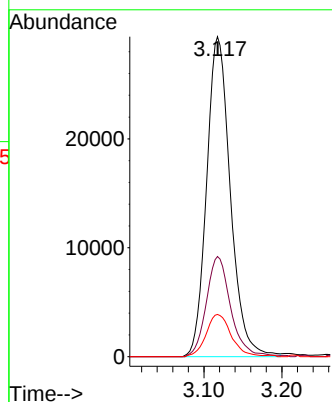
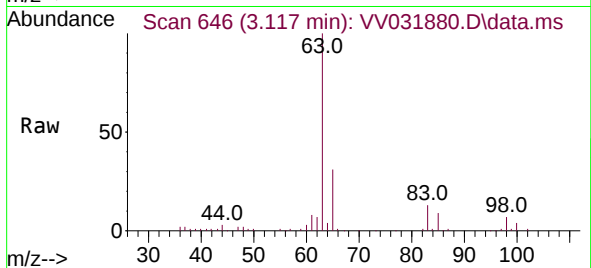




#19
1,1-Dichloroethane
Concen: 4.825 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

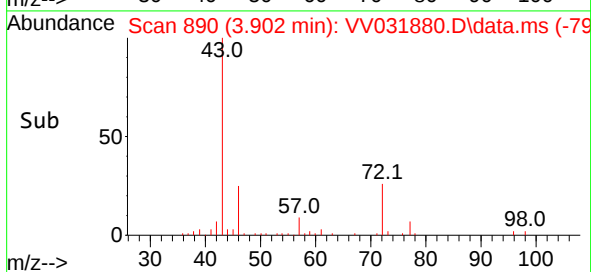
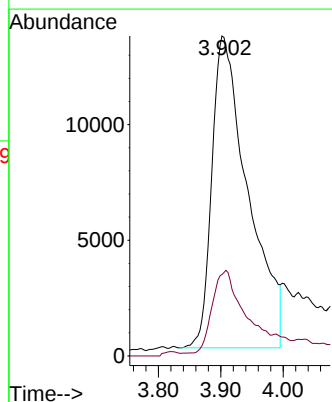
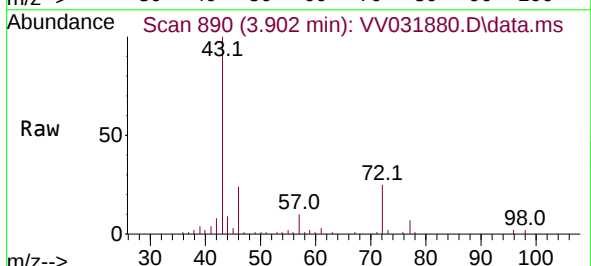
Instrument :
MSVOA_V
ClientSampleId :

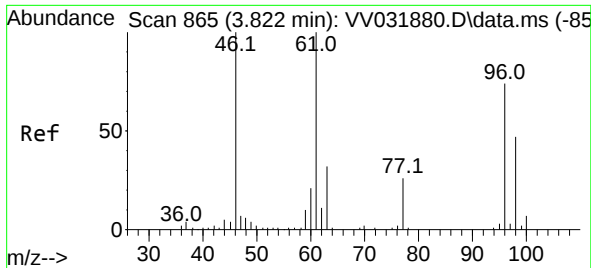
Tgt Ion: 63 Resp: 62234
Ion Ratio Lower Upper
63 100
65 31.3 21.9 40.7
83 13.2 9.2 17.2



#21
2-Butanone
Concen: 32.904 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Tgt Ion: 43 Resp: 54293
Ion Ratio Lower Upper
43 100
72 23.8 9.0 27.0



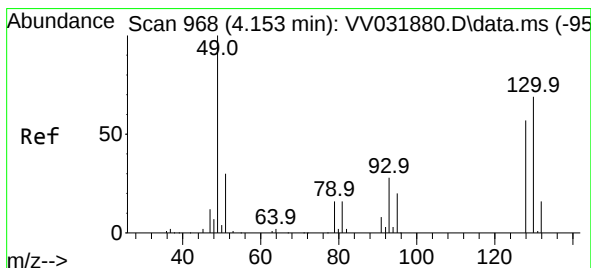
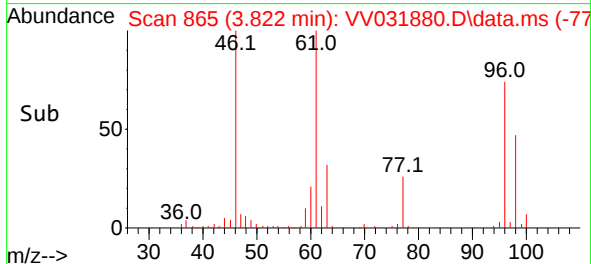
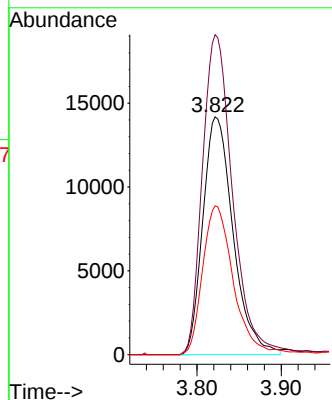
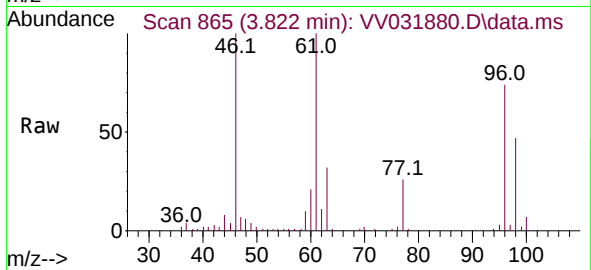


#22
 cis-1,2-Dichloroethene
 Concen: 4.913 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.000 min
 Lab File: VV031880.D
 Acq: 23 Aug 2023 20:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tgt Ion: 96 Resp: 35447

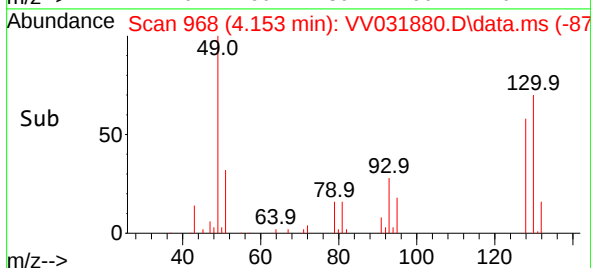
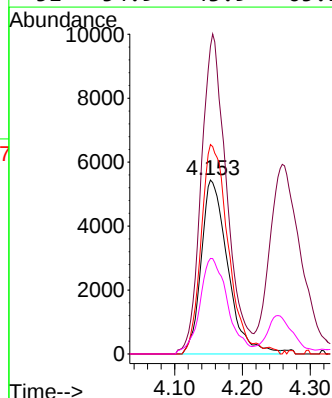
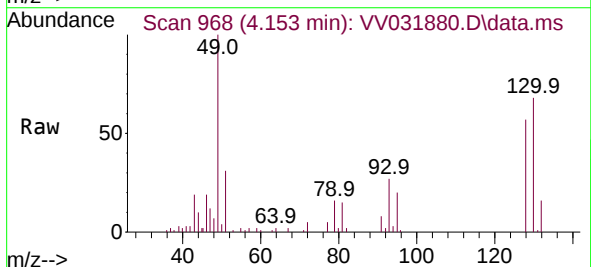
Ion	Ratio	Lower	Upper
96	100		
61	134.5	94.1	174.8
98	62.6	43.8	81.4

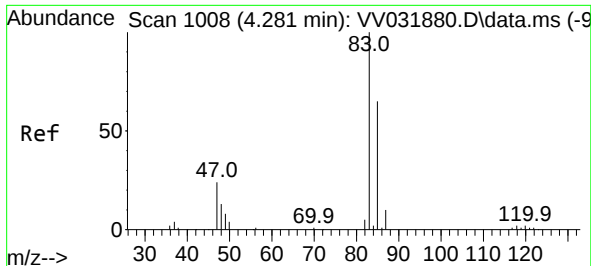


#23
 Bromochloromethane
 Concen: 5.153 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. 0.000 min
 Lab File: VV031880.D
 Acq: 23 Aug 2023 20:24

Tgt Ion: 128 Resp: 14751

Ion	Ratio	Lower	Upper
128	100		
49	176.7	123.7	229.7
130	120.4	84.3	156.5
51	54.9	43.9	65.9





#25

Chloroform

Concen: 4.814 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

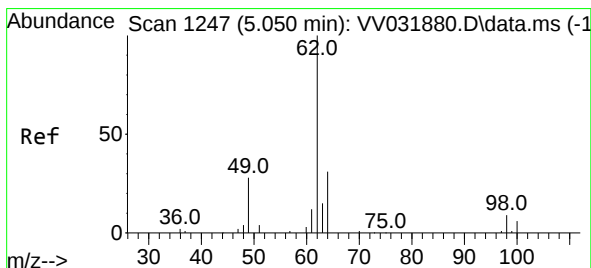
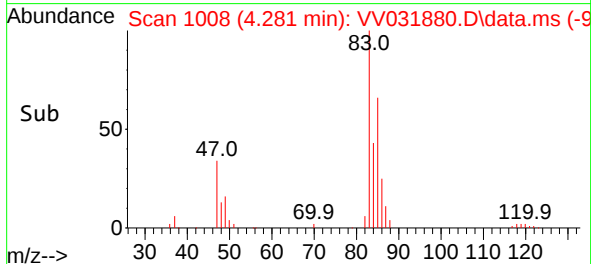
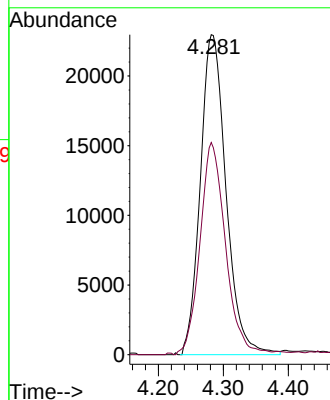
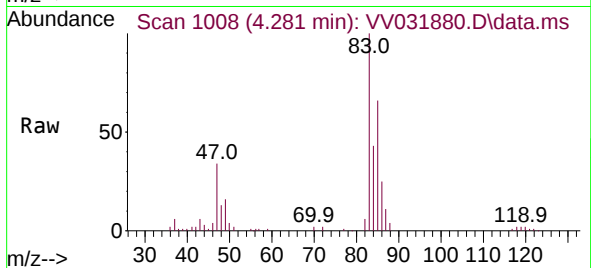
ClientSampleId :

Tgt Ion: 83 Resp: 63300

Ion Ratio Lower Upper

83 100

85 66.3 46.4 86.2



#27

1,2-Dichloroethane

Concen: 4.800 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. 0.000 min

Lab File: VV031880.D

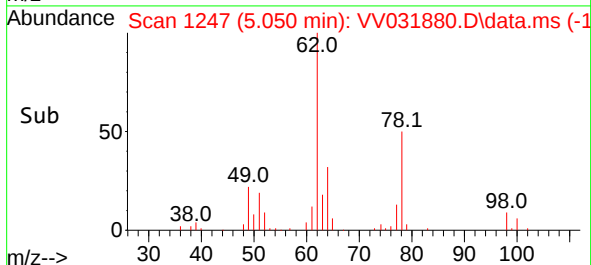
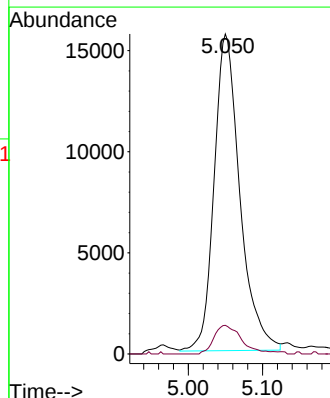
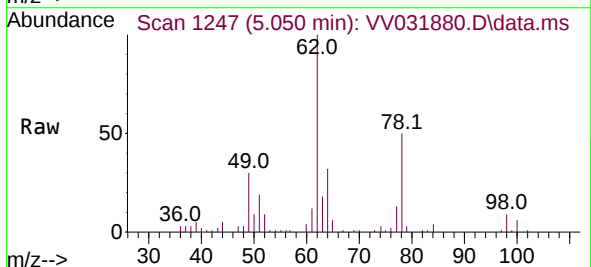
Acq: 23 Aug 2023 20:24

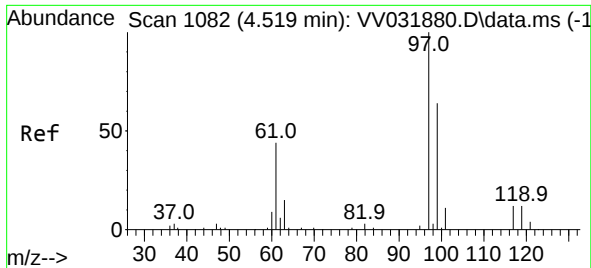
Tgt Ion: 62 Resp: 37740

Ion Ratio Lower Upper

62 100

98 9.0 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 4.881 ug/L

RT: 4.519 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

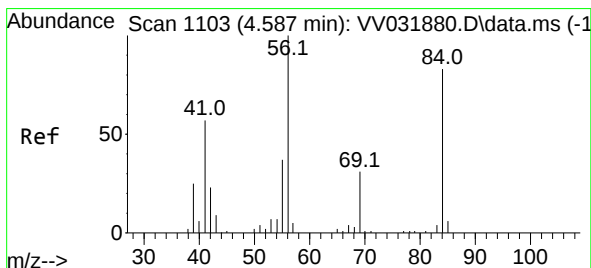
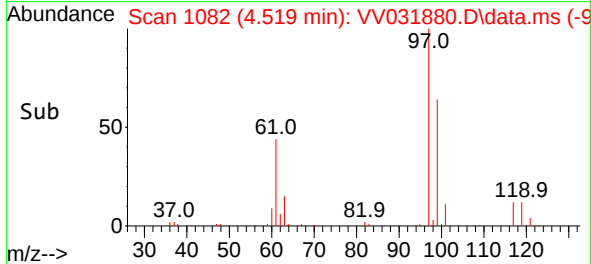
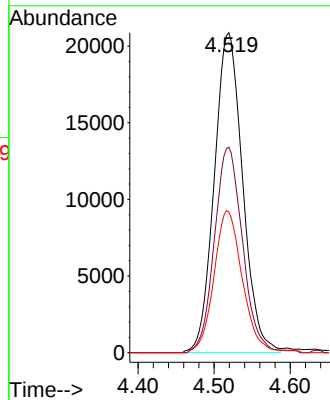
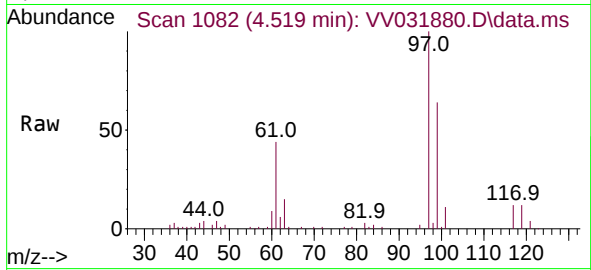
Tgt Ion: 97 Resp: 54112

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

61 44.4 35.5 53.3



#30

Cyclohexane

Concen: 4.664 ug/L

RT: 4.587 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

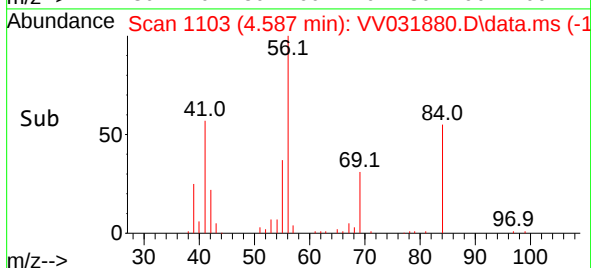
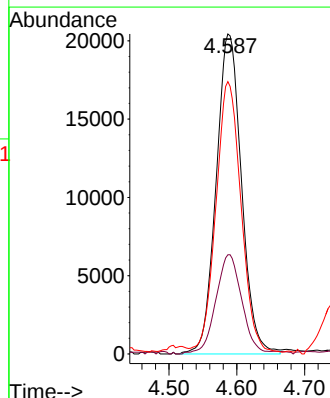
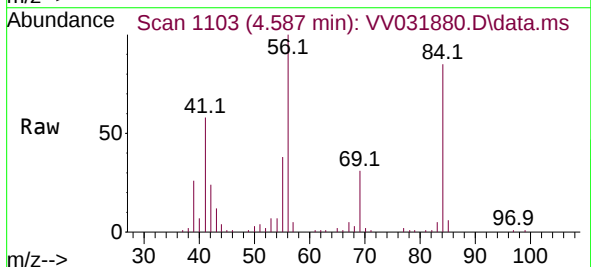
Tgt Ion: 56 Resp: 53142

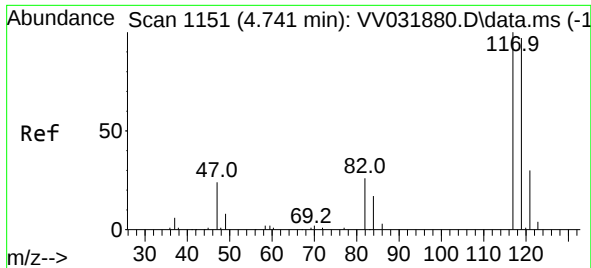
Ion Ratio Lower Upper

56 100

69 31.7 25.4 38.0

84 83.5 66.8 100.2

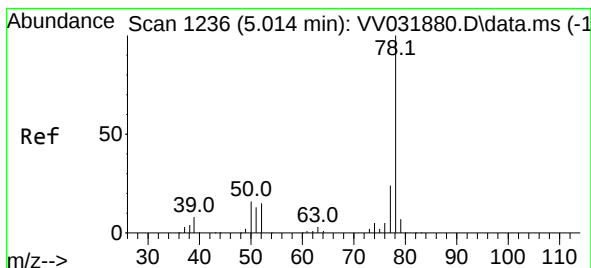
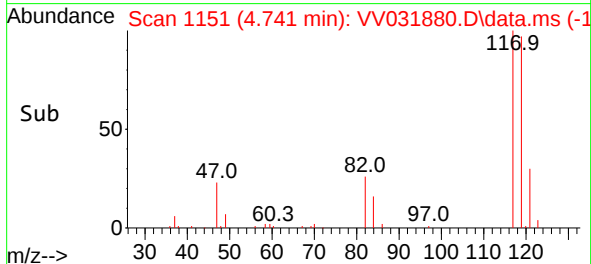
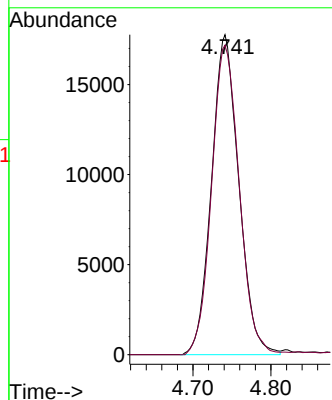
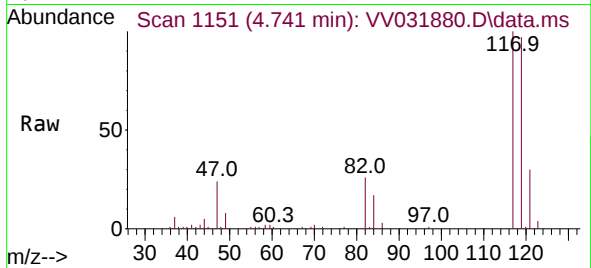




#31
Carbon tetrachloride
Concen: 4.825 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

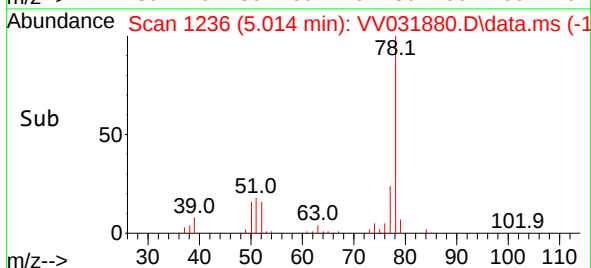
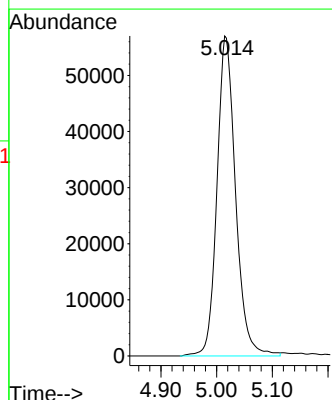
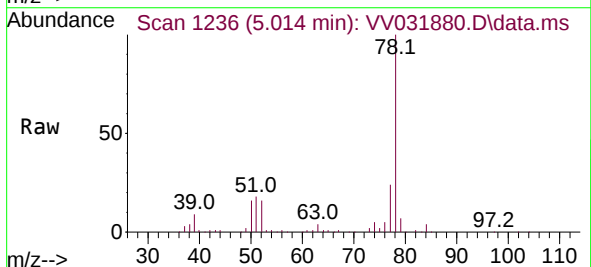
Instrument :
MSVOA_V
ClientSampleId :

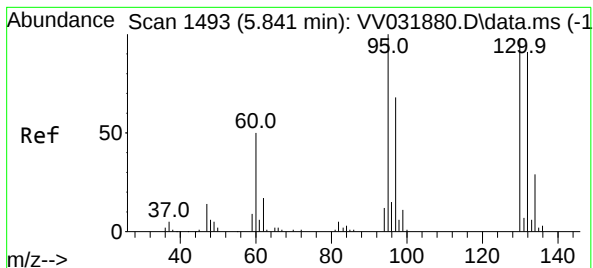
Tgt Ion:117 Resp: 43267
Ion Ratio Lower Upper
117 100
119 98.0 78.4 117.6



#33
Benzene
Concen: 5.009 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Tgt Ion: 78 Resp: 132431





#34

Trichloroethene

Concen: 4.804 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 37121

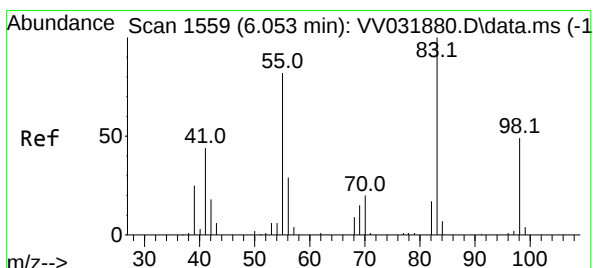
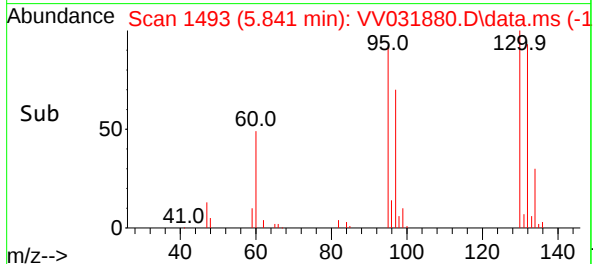
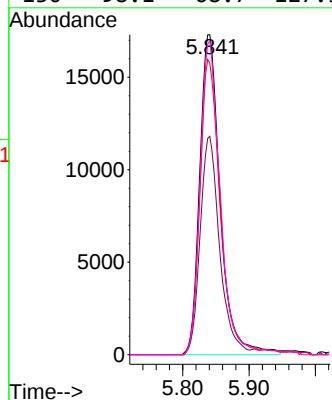
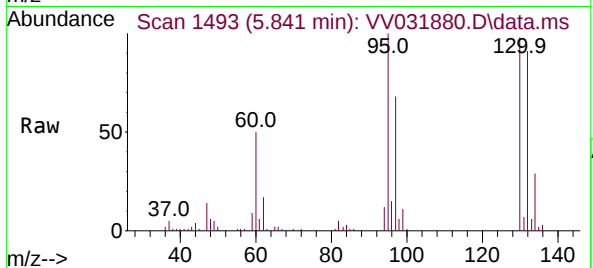
Ion Ratio Lower Upper

95 100

97 68.2 47.7 88.7

132 91.1 63.8 118.4

130 98.1 68.7 127.5



#35

Methylcyclohexane

Concen: 4.729 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

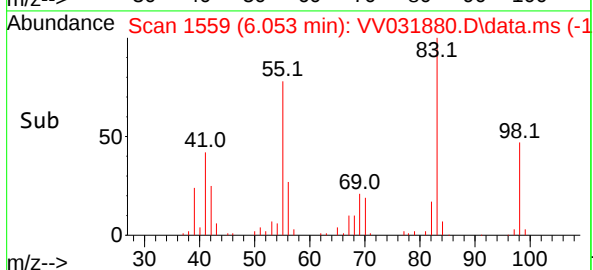
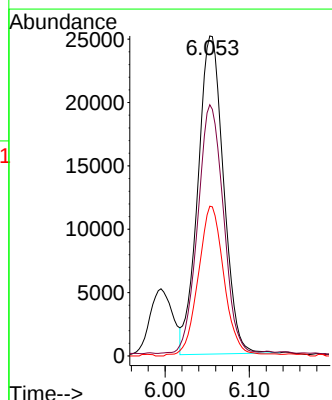
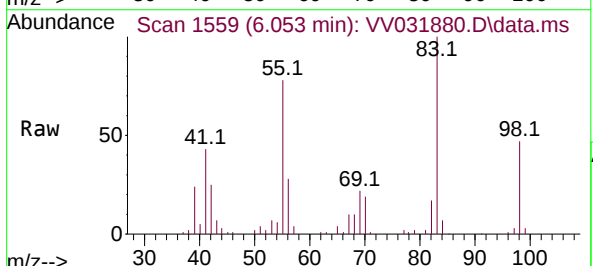
Tgt Ion: 83 Resp: 53195

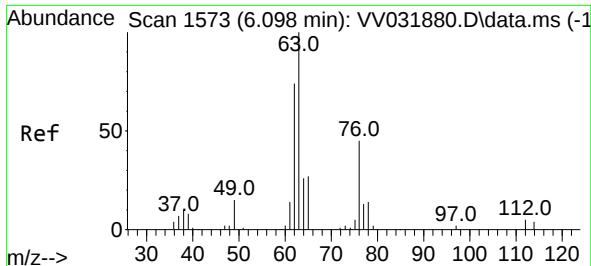
Ion Ratio Lower Upper

83 100

55 78.3 62.6 94.0

98 47.3 37.8 56.8





#37

1,2-Dichloropropane

Concen: 4.739 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

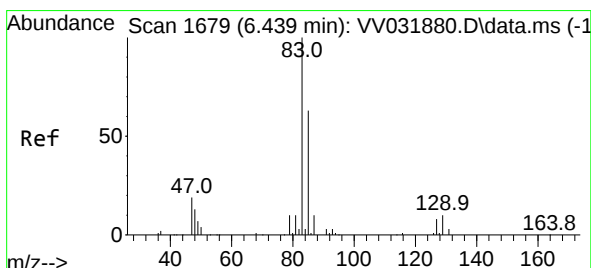
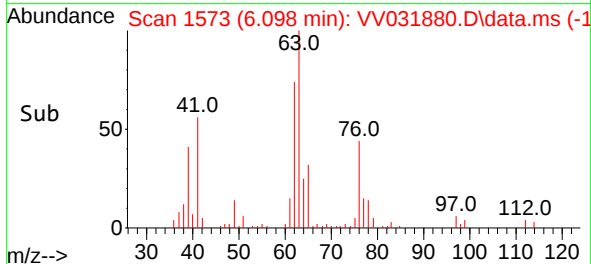
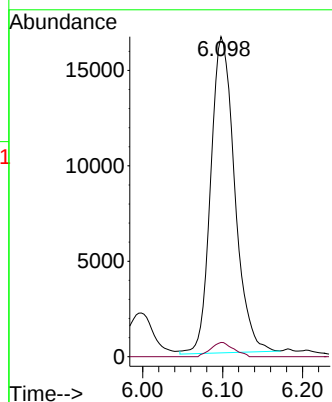
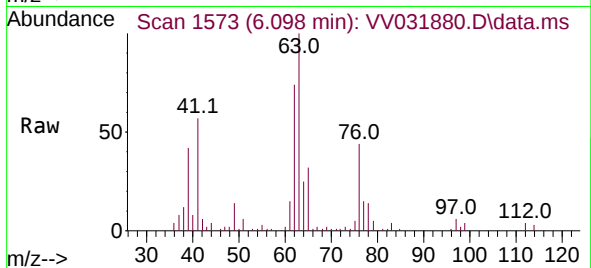
ClientSampleId :

Tgt Ion: 63 Resp: 34520

Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.2



#38

Bromodichloromethane

Concen: 4.907 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

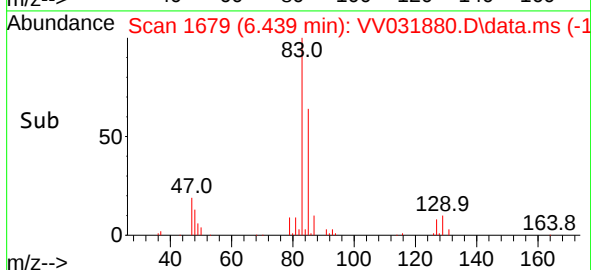
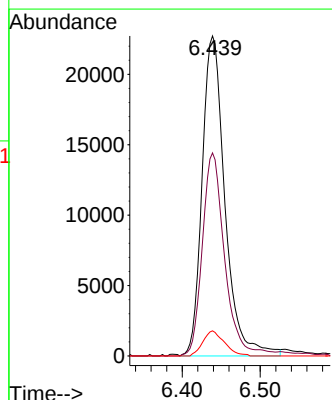
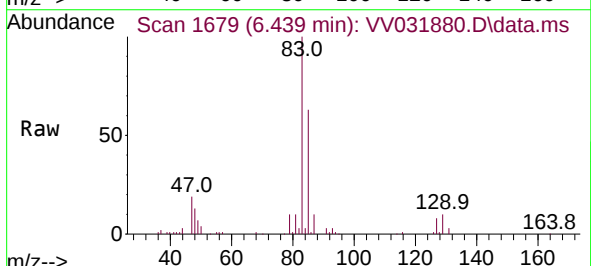
Tgt Ion: 83 Resp: 46262

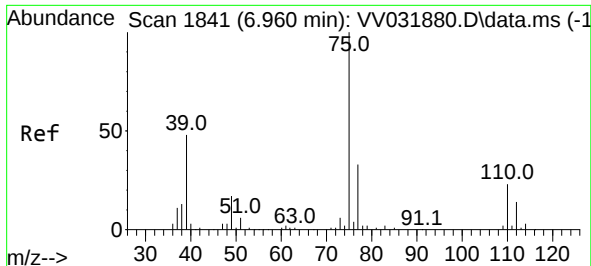
Ion Ratio Lower Upper

83 100

85 63.4 44.4 82.4

127 7.8 6.2 9.4





#39

cis-1,3-Dichloropropene

Concen: 5.093 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

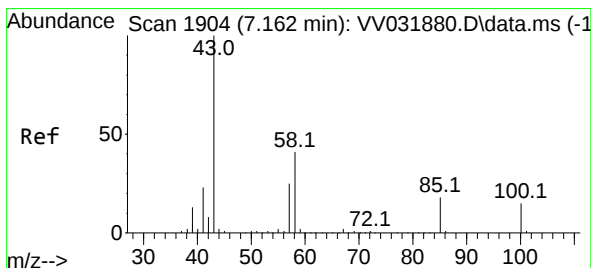
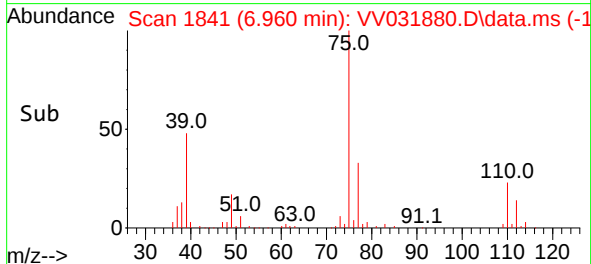
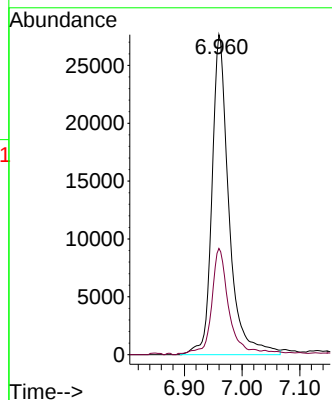
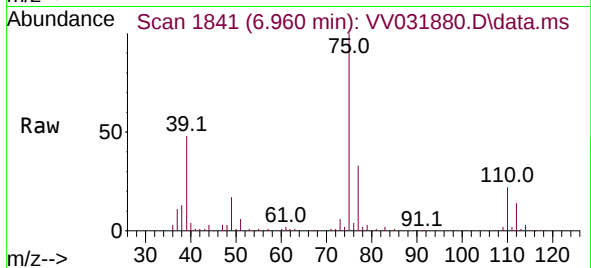
ClientSampleId :

Tgt Ion: 75 Resp: 56437

Ion Ratio Lower Upper

75 100

77 33.2 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 51.488 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

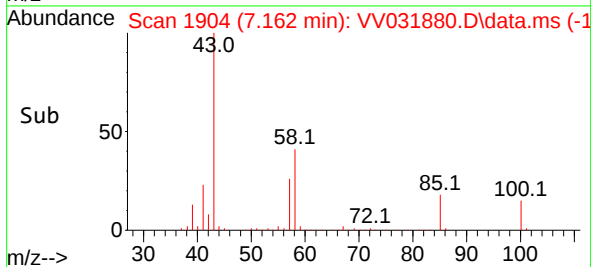
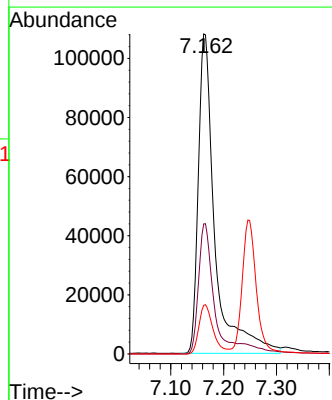
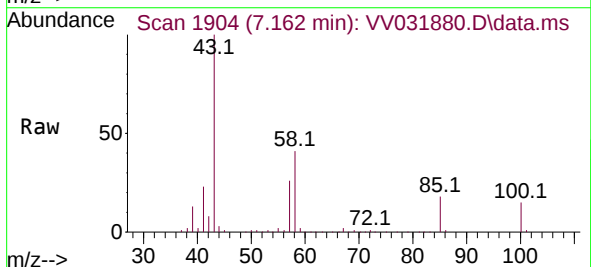
Tgt Ion: 43 Resp: 235077

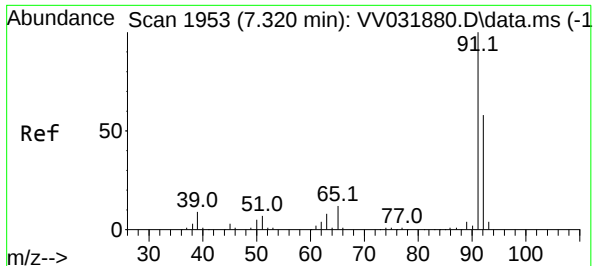
Ion Ratio Lower Upper

43 100

58 36.3 29.0 43.6

100 13.4 10.7 16.1





#42

Toluene

Concen: 4.845 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

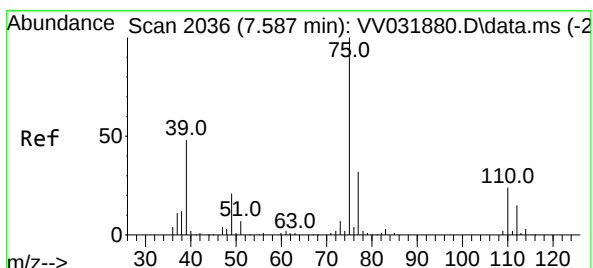
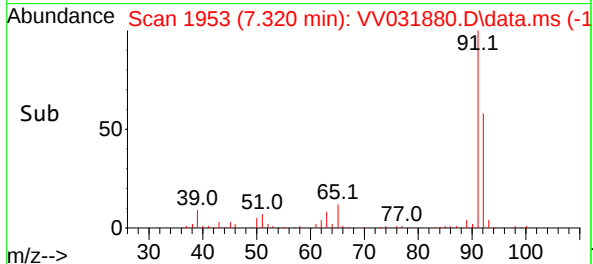
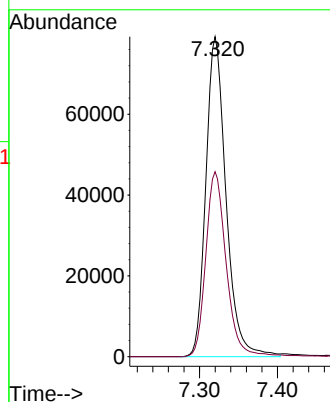
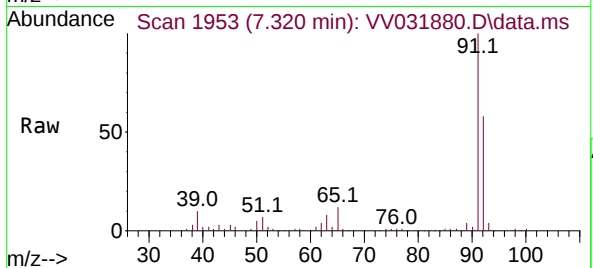
ClientSampleId :

Tgt Ion: 91 Resp: 142312

Ion Ratio Lower Upper

91 100

92 57.8 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.919 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031880.D

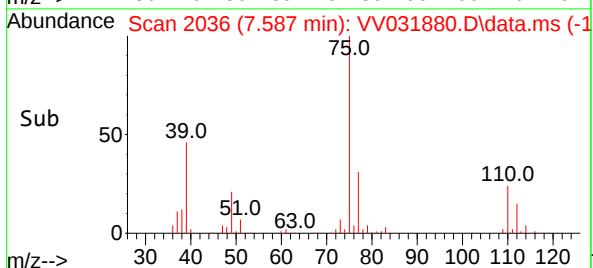
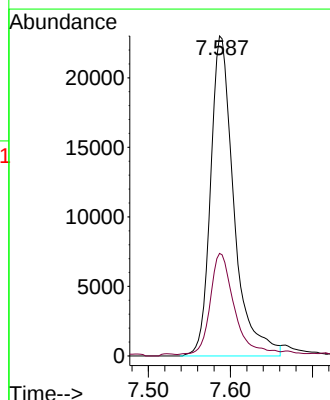
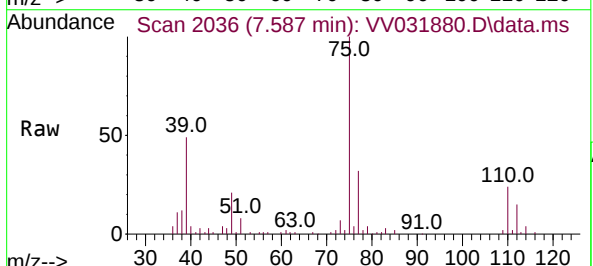
Acq: 23 Aug 2023 20:24

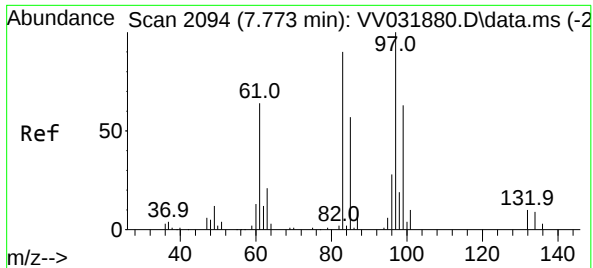
Tgt Ion: 75 Resp: 45506

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 4.979 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 25961

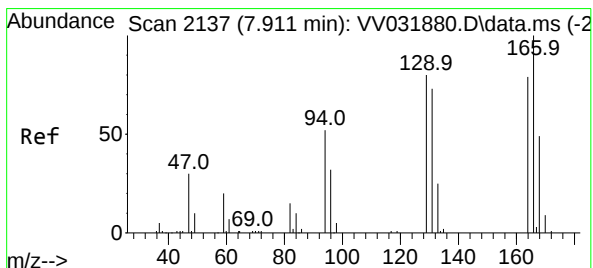
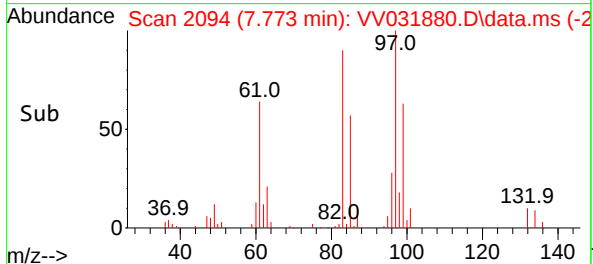
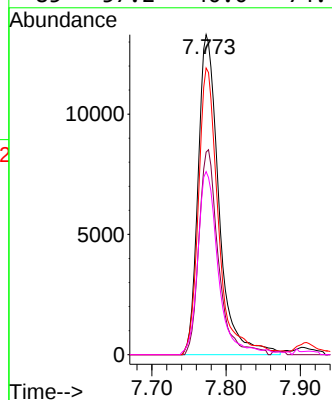
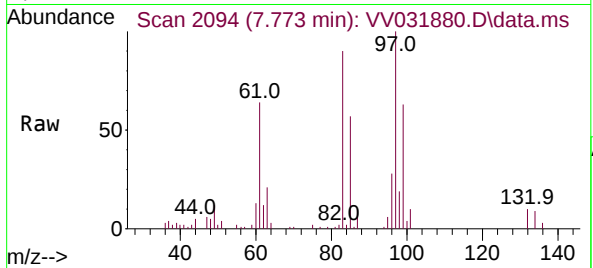
Ion Ratio Lower Upper

97 100

99 63.3 44.3 82.3

83 89.6 62.7 116.5

85 57.2 40.0 74.4



#47

Tetrachloroethene

Concen: 4.775 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Tgt Ion: 164 Resp: 23569

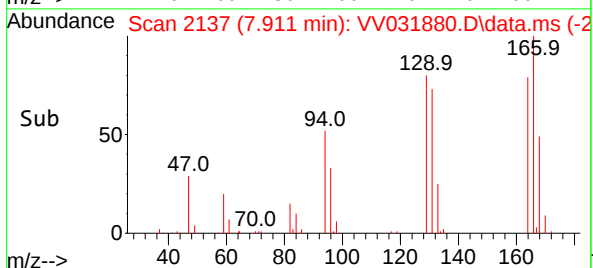
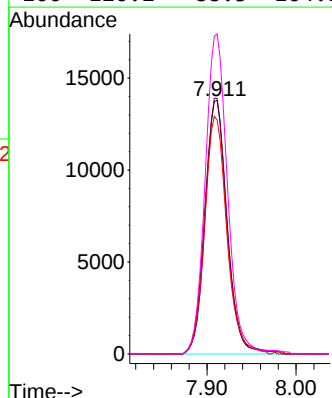
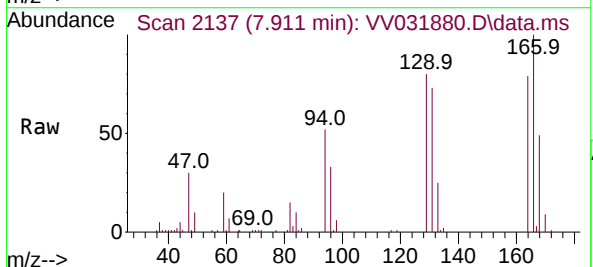
Ion Ratio Lower Upper

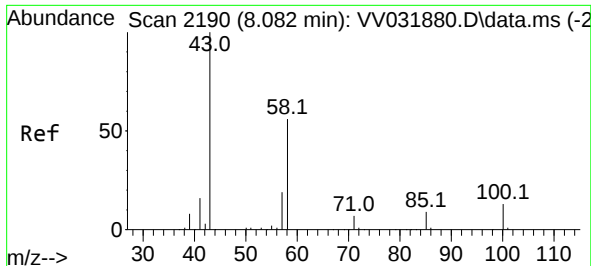
164 100

129 100.9 70.6 131.2

131 92.3 64.6 120.0

166 126.2 88.3 164.1



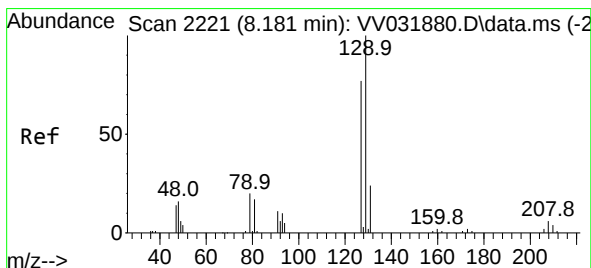
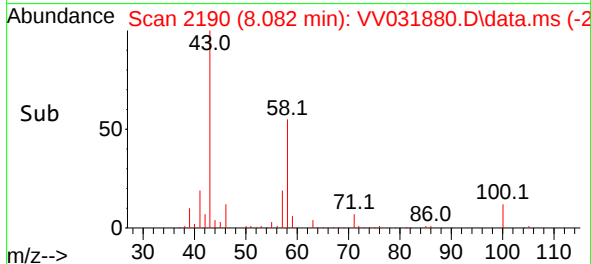
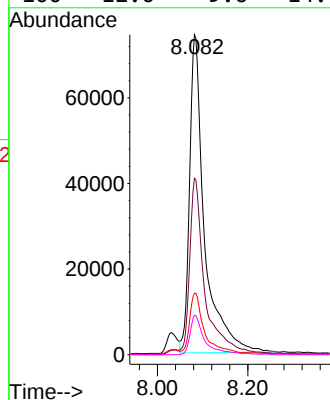
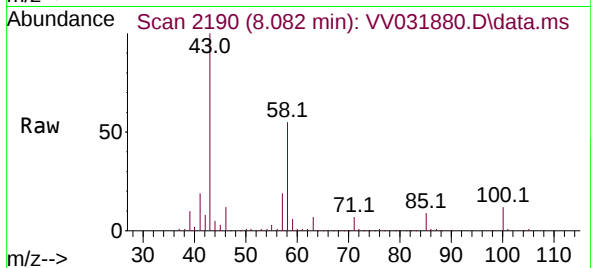


#48
2-Hexanone
Concen: 50.573 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 43 Resp: 171662

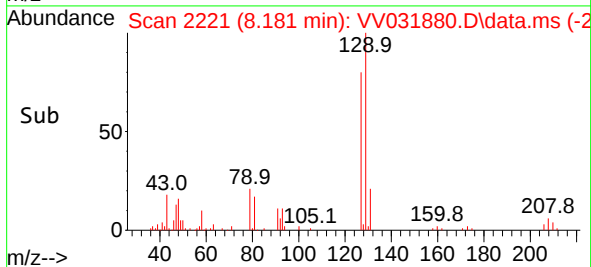
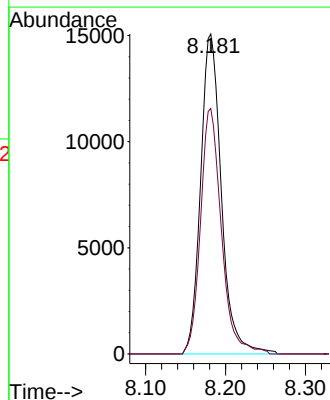
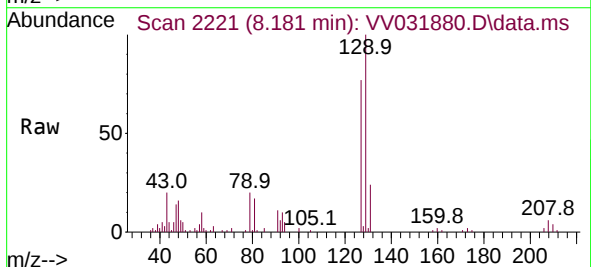
Ion	Ratio	Lower	Upper
43	100		
58	55.4	44.3	66.5
57	17.9	14.3	21.5
100	12.0	9.6	14.4

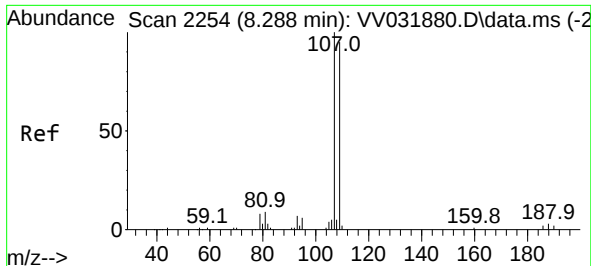


#49
Dibromochloromethane
Concen: 5.014 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Tgt Ion: 129 Resp: 27245

Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.7	99.7





#50

1,2-Dibromoethane

Concen: 5.007 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031880.D

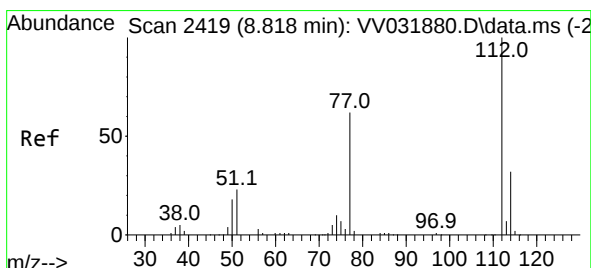
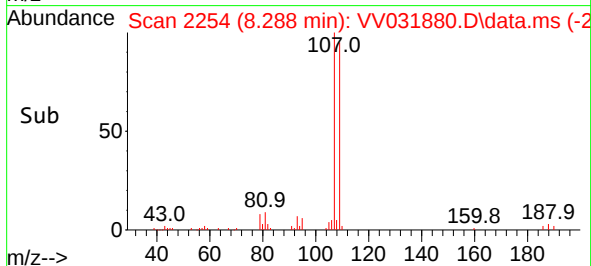
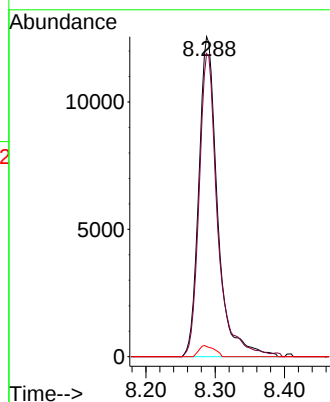
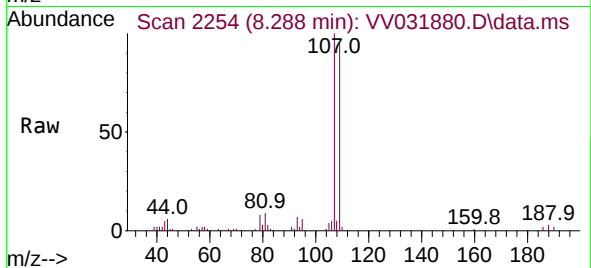
Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:107	Resp:	23611
Ion Ratio	Lower	Upper
107	100	
109	94.7	66.3 123.1
188	3.2	2.6 3.8



#51

Chlorobenzene

Concen: 4.883 ug/L

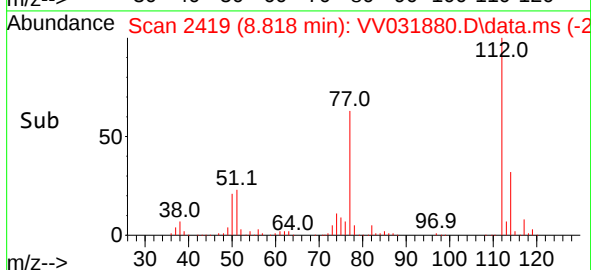
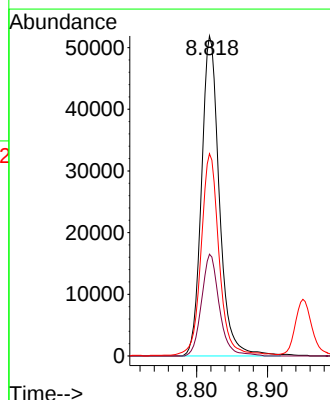
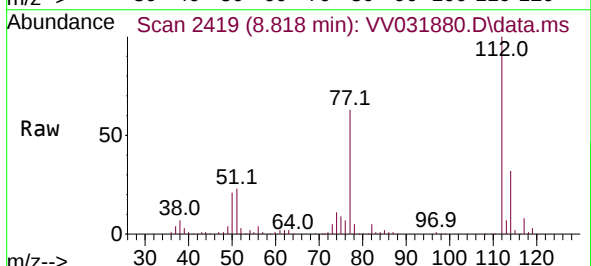
RT: 8.818 min Scan# 2419

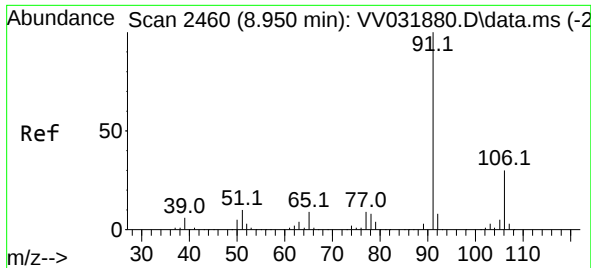
Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Tgt Ion:112	Resp:	90826
Ion Ratio	Lower	Upper
112	100	
114	31.8	22.3 41.3
77	63.2	50.6 75.8

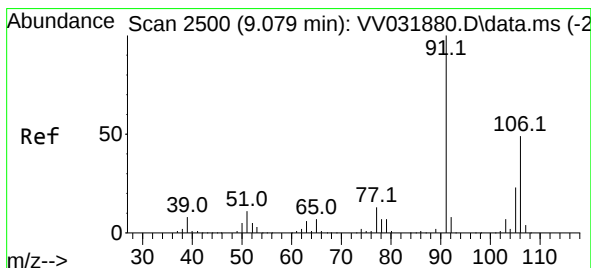
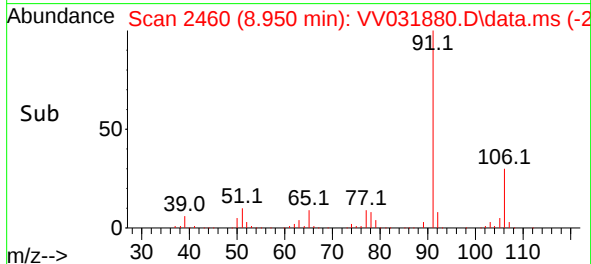
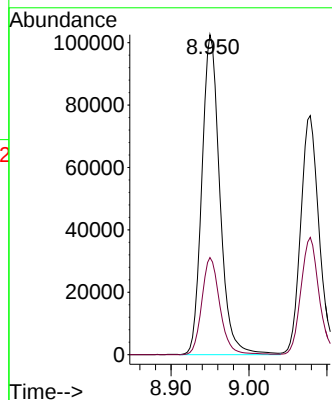
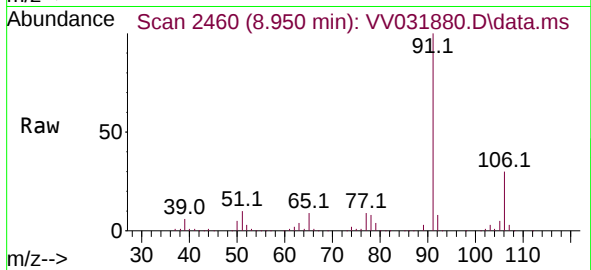




#52
Ethylbenzene
Concen: 4.863 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

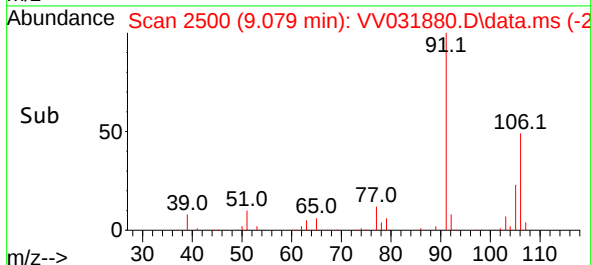
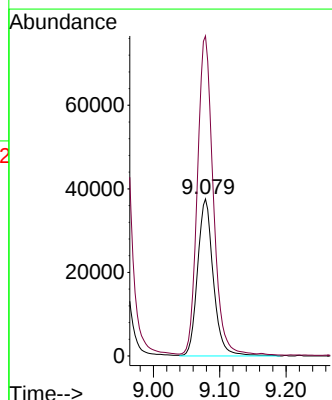
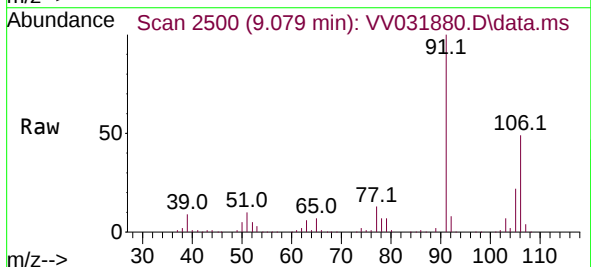
Instrument :
MSVOA_V
ClientSampleId :

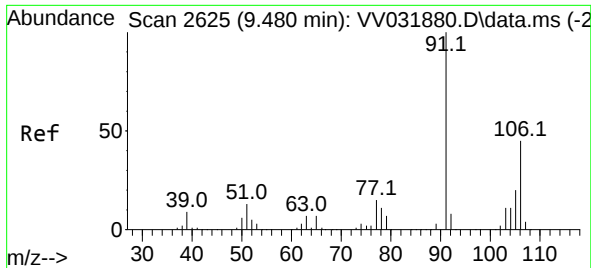
Tgt Ion: 91 Resp: 164211
Ion Ratio Lower Upper
91 100
106 30.4 21.3 39.5



#53
m,p-Xylene
Concen: 4.878 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Tgt Ion: 106 Resp: 62037
Ion Ratio Lower Upper
106 100
91 203.9 142.7 265.1

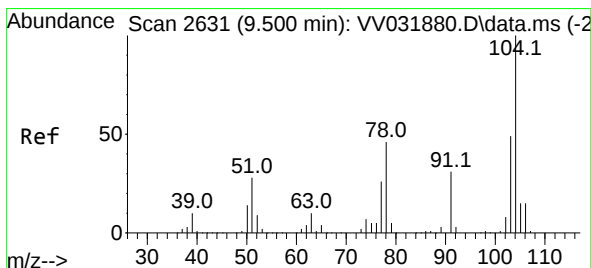
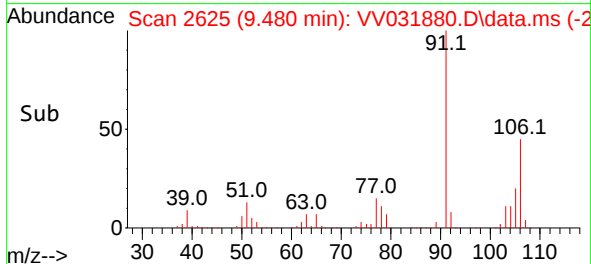
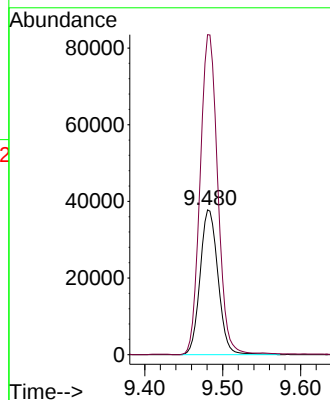
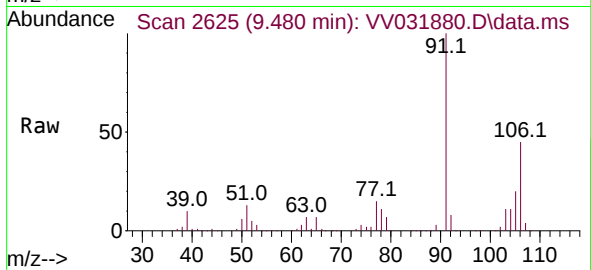




#54
o-Xylene
Concen: 4.915 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

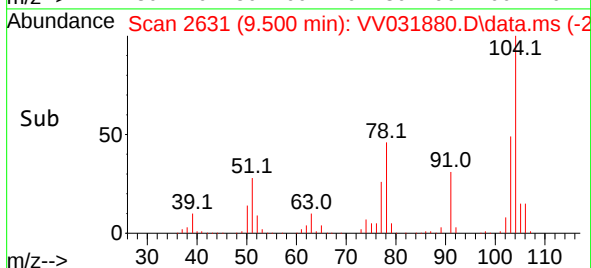
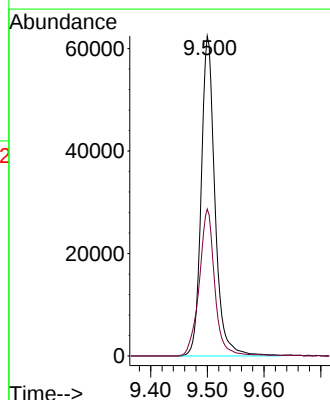
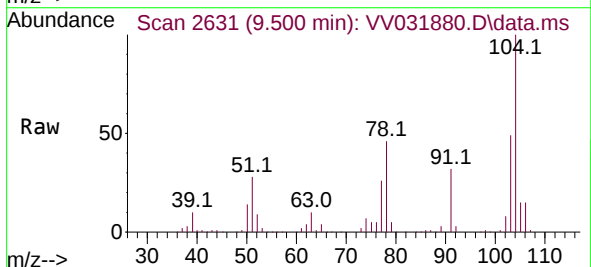
Instrument :
MSVOA_V
ClientSampleId :

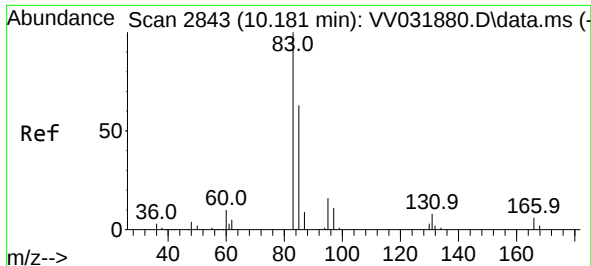
Tgt Ion:106 Resp: 60405
Ion Ratio Lower Upper
106 100
91 221.0 154.7 287.3



#55
Styrene
Concen: 4.983 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Tgt Ion:104 Resp: 105648
Ion Ratio Lower Upper
104 100
78 45.9 32.1 59.7





#57

1,1,2,2-Tetrachloroethane

Concen: 4.906 ug/L

RT: 10.181 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

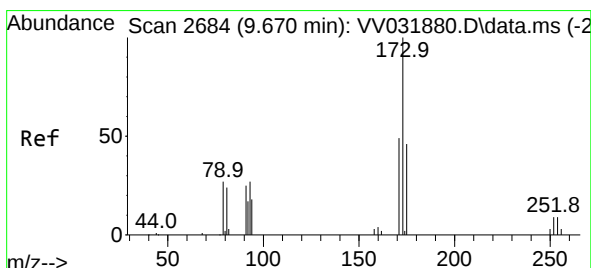
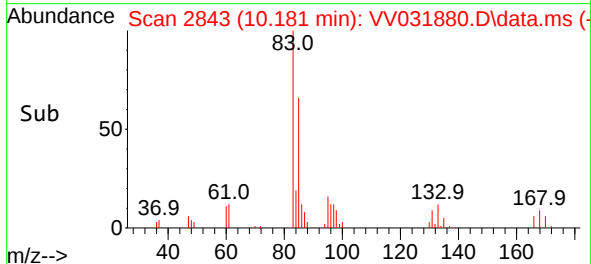
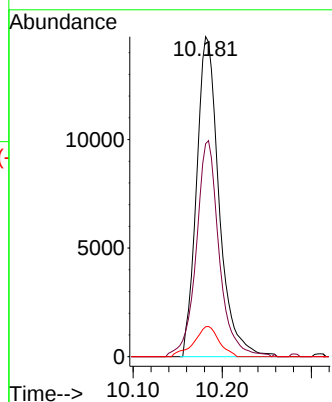
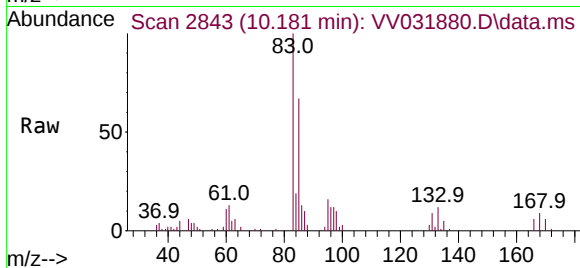
Tgt Ion: 83 Resp: 25898

Ion Ratio Lower Upper

83 100

85 66.6 46.6 86.6

131 9.3 7.4 11.2



#59

Bromoform

Concen: 5.098 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

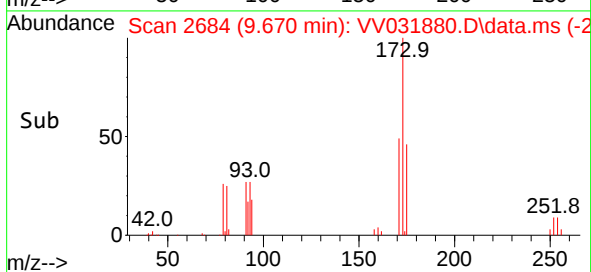
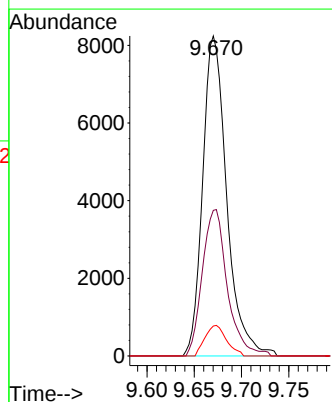
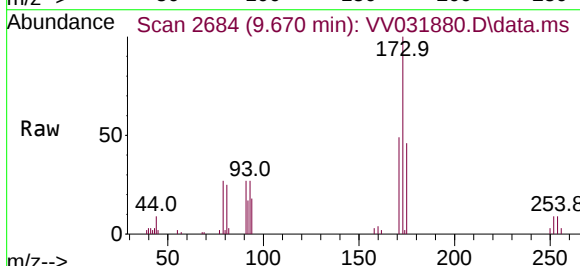
Tgt Ion: 173 Resp: 14595

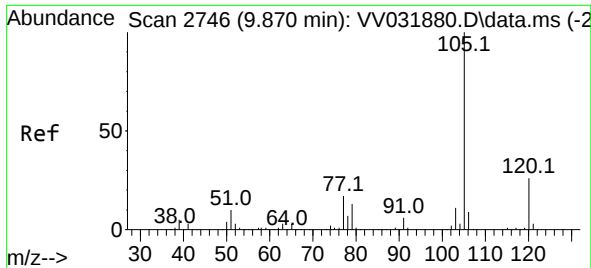
Ion Ratio Lower Upper

173 100

175 47.5 38.0 57.0

254 8.5 6.8 10.2

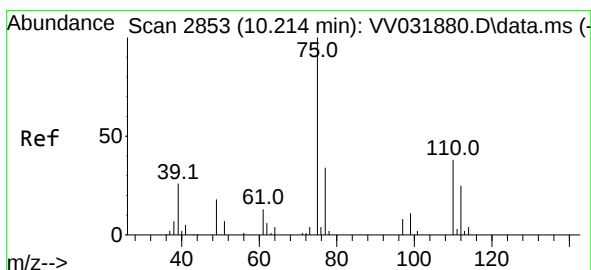
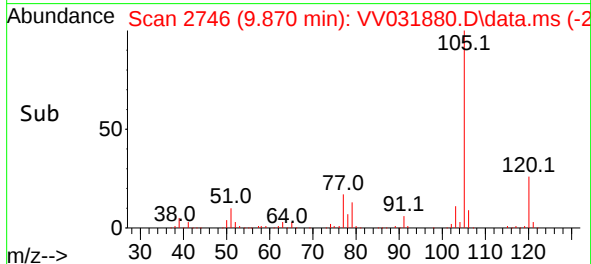
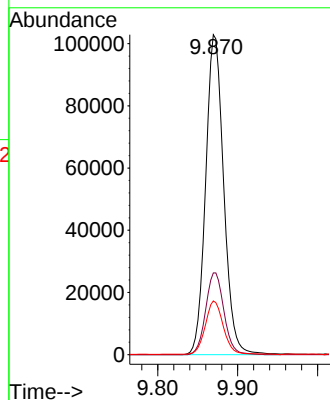
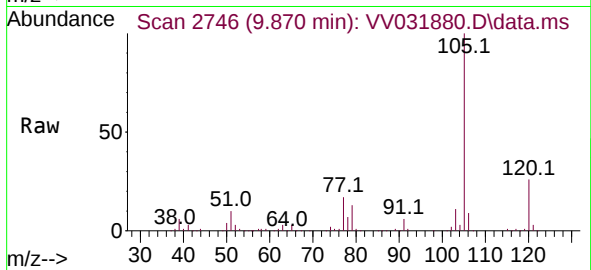




#60
Isopropylbenzene
Concen: 4.801 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

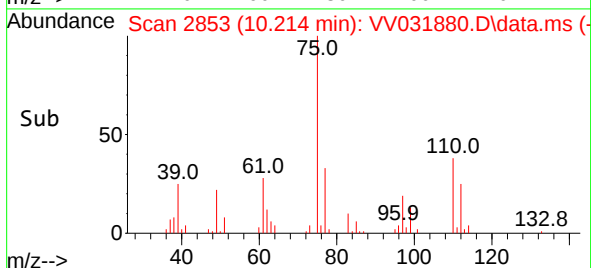
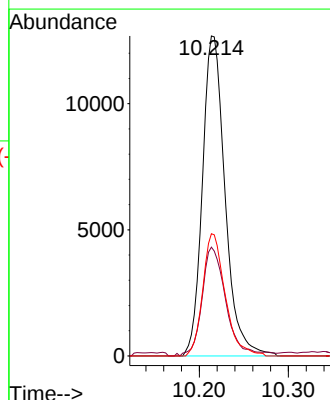
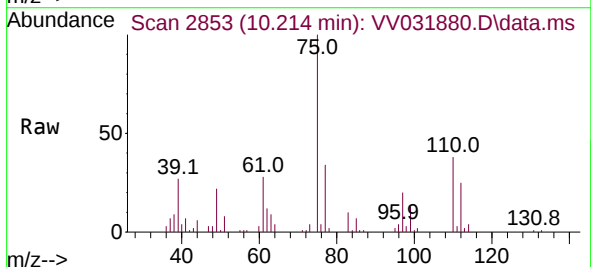
Instrument :
MSVOA_V
ClientSampleId :

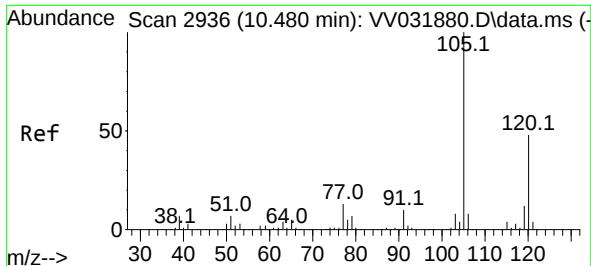
Tgt Ion:105 Resp: 161700
Ion Ratio Lower Upper
105 100
120 25.9 20.7 31.1
77 17.1 13.7 20.5



#61
1,2,3-Trichloropropane
Concen: 5.027 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

Tgt Ion: 75 Resp: 22433
Ion Ratio Lower Upper
75 100
77 36.0 28.8 43.2
110 37.7 30.2 45.2





#62

1,3,5-Trimethylbenzene

Concen: 4.894 ug/L

RT: 10.480 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

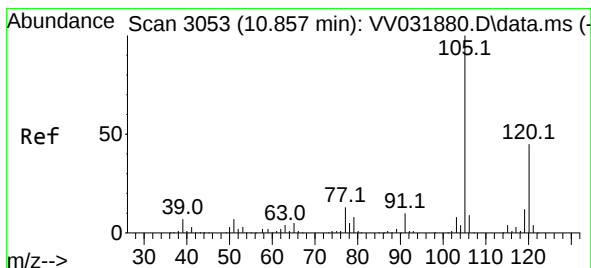
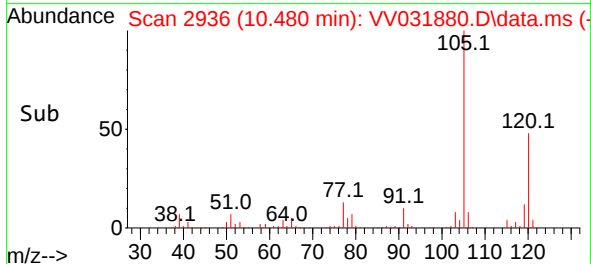
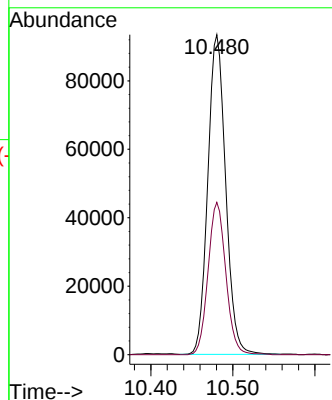
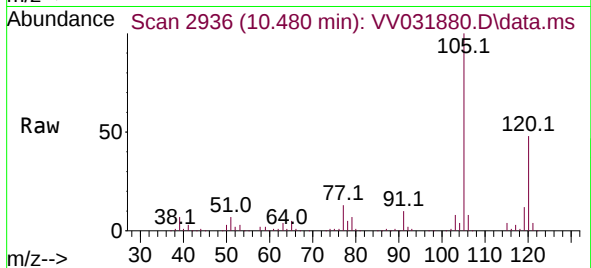
ClientSampleId :

Tgt Ion:105 Resp: 141280

Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9



#63

1,2,4-Trimethylbenzene

Concen: 4.887 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031880.D

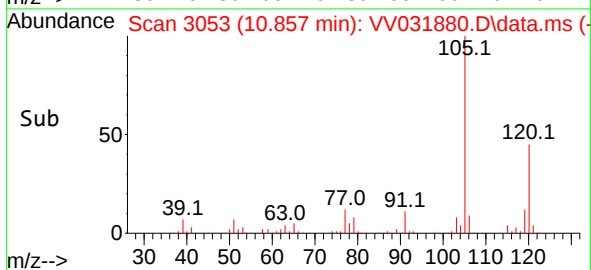
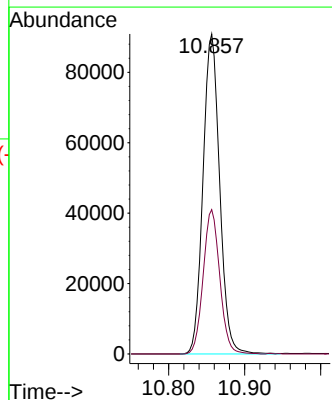
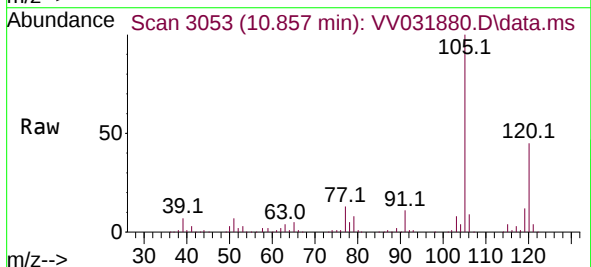
Acq: 23 Aug 2023 20:24

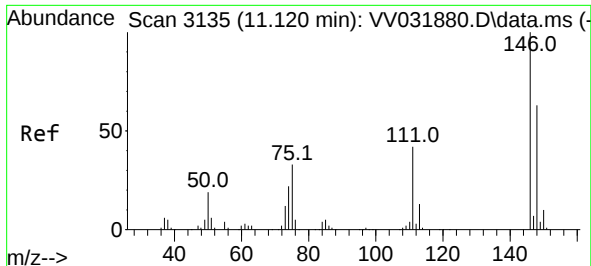
Tgt Ion:105 Resp: 138621

Ion Ratio Lower Upper

105 100

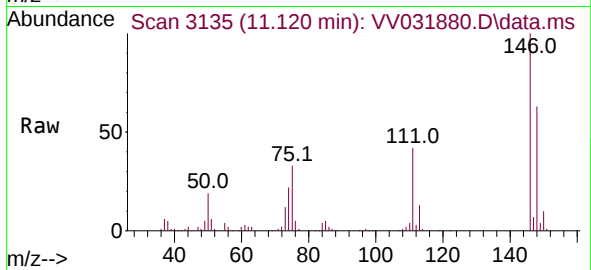
120 44.8 35.8 53.8



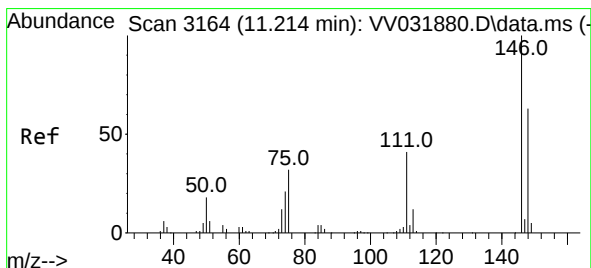
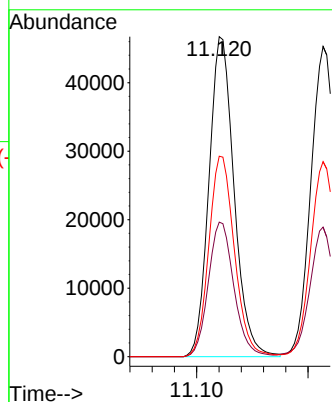
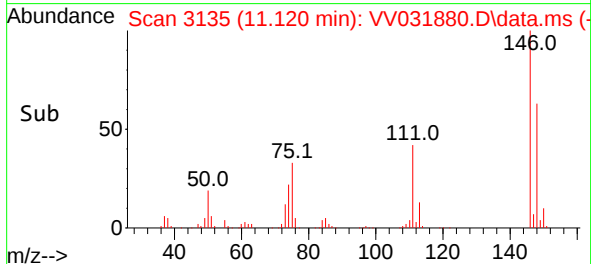


#64
1,3-Dichlorobenzene
Concen: 4.909 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24

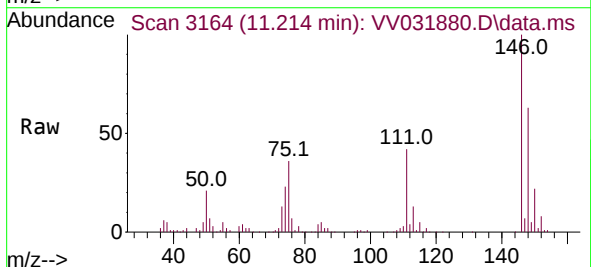
Instrument :
MSVOA_V
ClientSampleId :



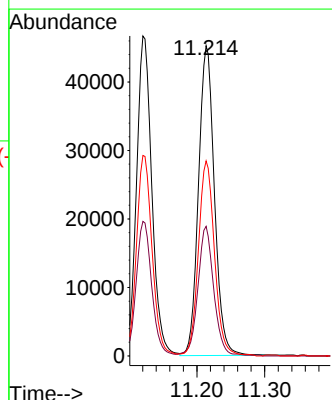
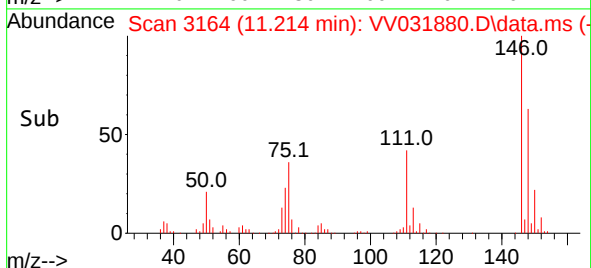
Tgt Ion:146 Resp: 73213
Ion Ratio Lower Upper
146 100
111 42.1 29.5 54.7
148 62.7 43.9 81.5

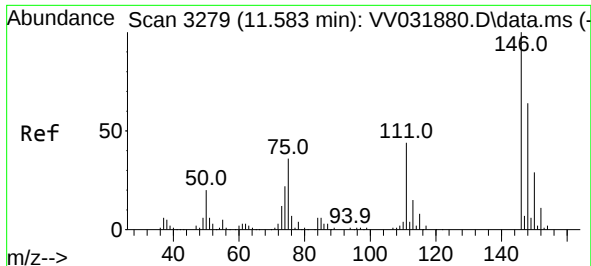


#65
1,4-Dichlorobenzene
Concen: 4.824 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031880.D
Acq: 23 Aug 2023 20:24



Tgt Ion:146 Resp: 73908
Ion Ratio Lower Upper
146 100
111 41.7 29.2 54.2
148 62.8 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 4.883 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

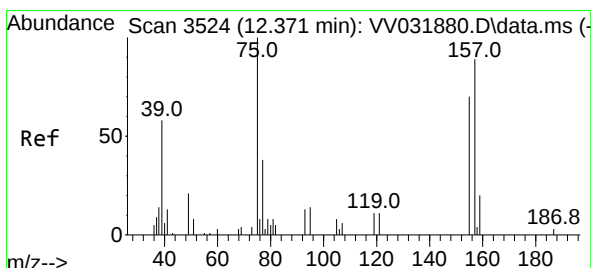
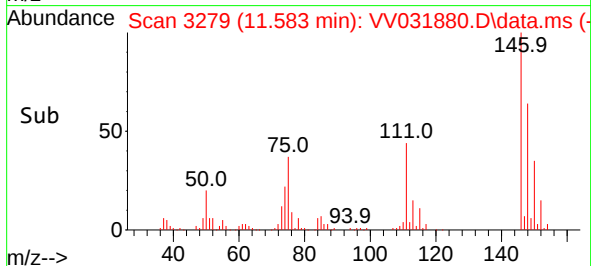
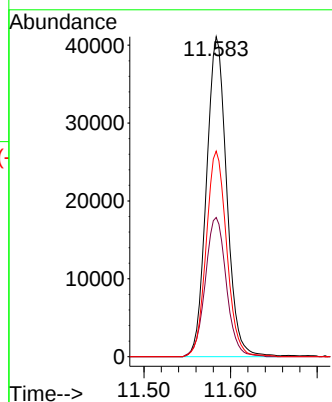
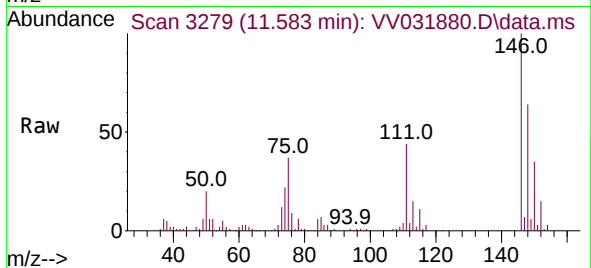
Tgt Ion:146 Resp: 66650

Ion Ratio Lower Upper

146 100

111 43.5 34.8 52.2

148 64.3 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.314 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

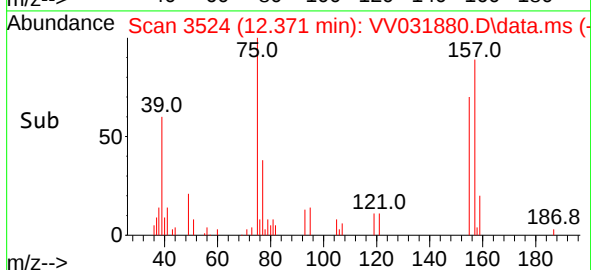
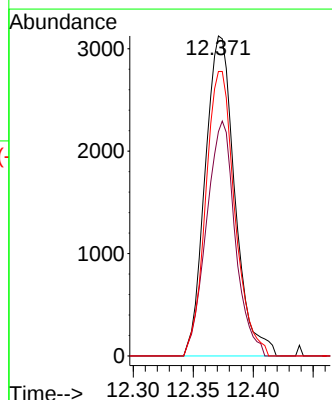
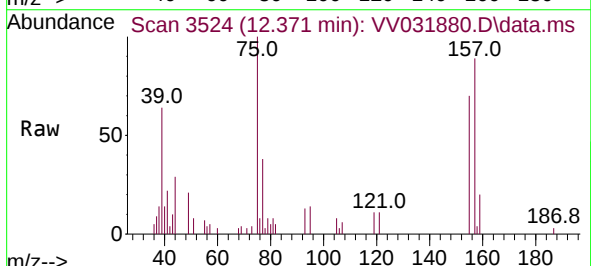
Tgt Ion: 75 Resp: 5371

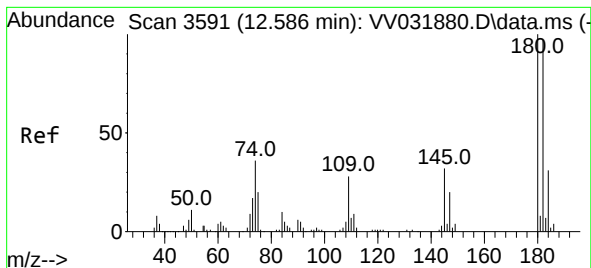
Ion Ratio Lower Upper

75 100

155 70.1 56.1 84.1

157 88.9 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 4.792 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.000 min

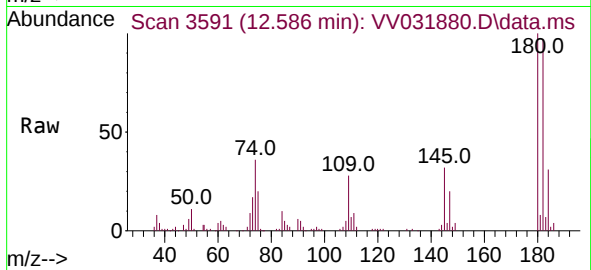
Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 53129

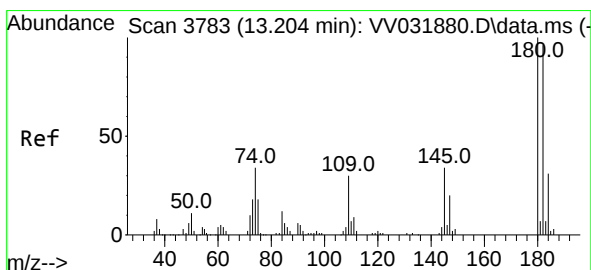
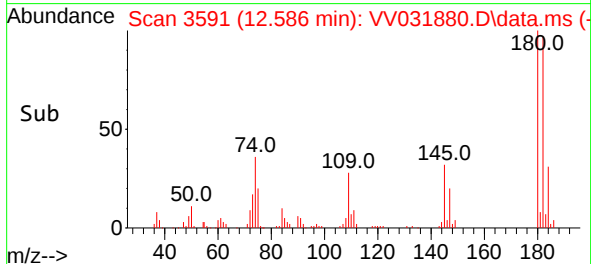
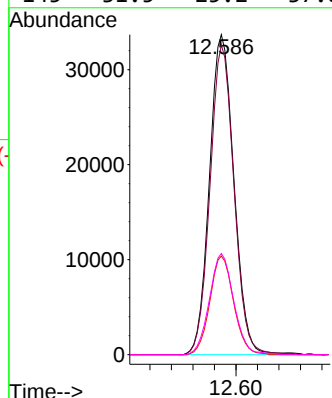
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

184 29.9 23.9 35.9

145 31.5 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 4.660 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

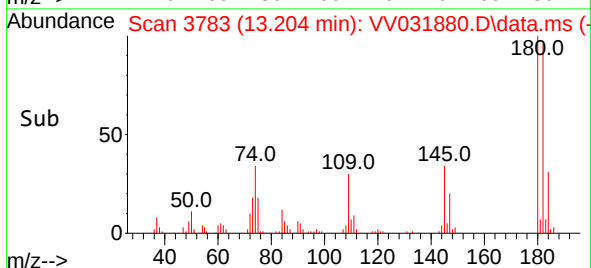
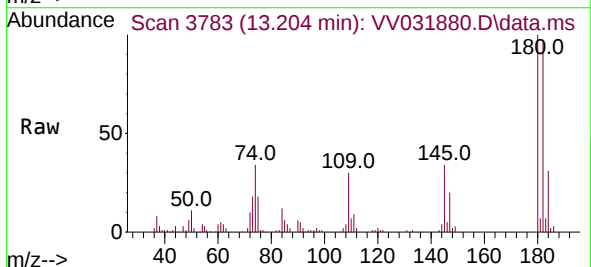
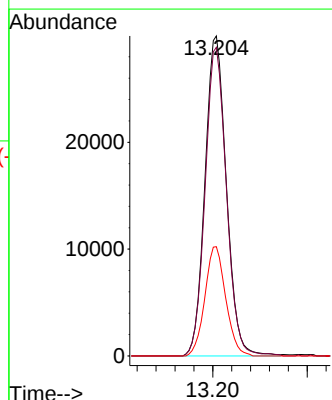
Tgt Ion:180 Resp: 47098

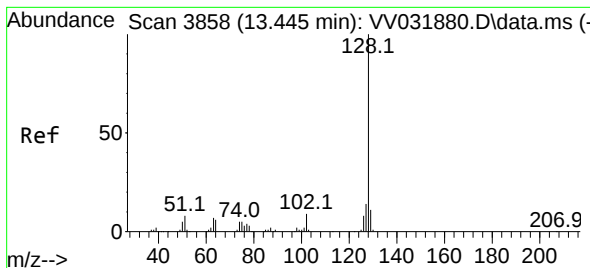
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

145 33.2 26.6 39.8





#71

Naphthalene

Concen: 4.478 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031880.D

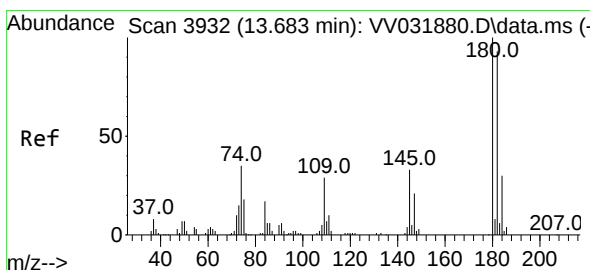
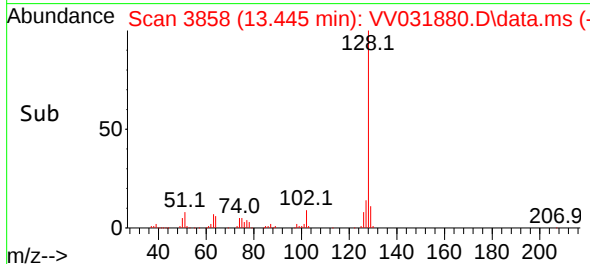
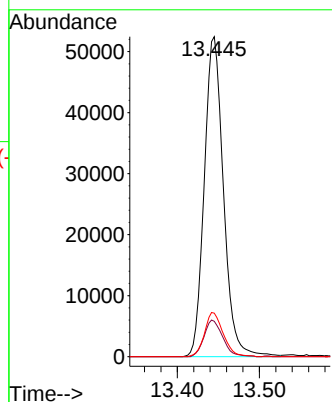
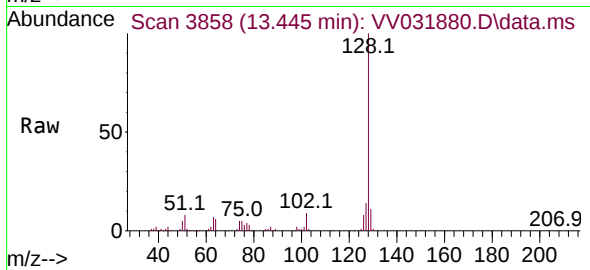
Acq: 23 Aug 2023 20:24

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	85254
Ion Ratio	Lower	Upper
128	100	
129	11.1	8.9 13.3
127	13.5	10.8 16.2



#72

1,2,3-Trichlorobenzene

Concen: 4.758 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.000 min

Lab File: VV031880.D

Acq: 23 Aug 2023 20:24

Tgt Ion:180	Resp:	40493
Ion Ratio	Lower	Upper
180	100	
182	94.9	75.9 113.9
145	34.1	27.3 40.9

