

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052323\
 Data File : VW031176.D
 Acq On : 23 May 2023 09:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

Quant Time: May 24 01:23:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 23 04:42:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	249082	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	245180	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147051	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	108782	51.102	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 102.200%	
7) Chloroethane-d5	1.535	69	93125	56.787	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 113.580%	
11) 1,1-Dichloroethene-d2	2.063	65	51969	52.062	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 104.120%	
21) 2-Butanone-d5	3.799	46	109746	96.754	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 96.750%	
24) Chloroform-d	4.256	84	201636	53.543	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 107.080%	
26) 1,2-Dichloroethane-d4	4.947	65	138440	54.403	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.800%	
32) Benzene-d6	4.966	84	359647	54.110	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.220%	
36) 1,2-Dichloropropane-d6	5.995	67	102612	51.597	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 103.200%	
41) Toluene-d8	7.249	98	356087	57.402	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 114.800%	
43) trans-1,3-Dichloroprop...	7.554	79	56112	56.238	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 112.480%	
47) 2-Hexanone-d5	8.030	63	71700	92.468	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 92.470%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	153389	51.424	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 102.840%	
66) 1,2-Dichlorobenzene-d4	11.567	152	145954	55.233	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 110.460%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	82632	51.387	ug/L	98
3) Chloromethane	1.217	50	83887	47.650	ug/L	97
5) Vinyl chloride	1.288	62	78183	49.721	ug/L	98
6) Bromomethane	1.490	94	40313	45.746	ug/L	99
8) Chloroethane	1.551	64	55839	55.109	ug/L	99
9) Trichlorofluoromethane	1.715	101	162053	52.397	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	87830	53.851	ug/L	98
13) Acetone	2.127	43	158190	107.275	ug/L	99
14) Carbon disulfide	2.246	76	128786	51.078	ug/L	98
15) Methyl Acetate	2.378	43	83594	49.879	ug/L	98
16) Methylene chloride	2.455	84	76844	49.888	ug/L	94
17) trans-1,2-Dichloroethene	2.699	96	66836	52.247	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	266976	54.025	ug/L	99
19) 1,1-Dichloroethane	3.117	63	150984	51.789	ug/L	99
20) cis-1,2-Dichloroethene	3.821	96	83972	53.248	ug/L	99
22) 2-Butanone	3.879	43	141069	99.759	ug/L	100
23) Bromochloromethane	4.153	128	46829	54.038	ug/L	96
25) Chloroform	4.281	83	174486	53.577	ug/L	100
27) 1,2-Dichloroethane	5.047	62	153587	55.583	ug/L	99

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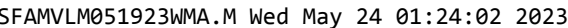
Instrument :
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 VSTD050351

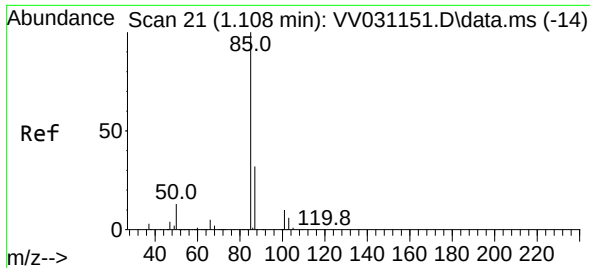
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.590	56	99162	51.397	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	159891	53.144	ug/L	99
31) Carbon tetrachloride	4.741	117	141958	54.161	ug/L	99
33) Benzene	5.018	78	316638	53.907	ug/L	100
34) Trichloroethene	5.837	95	79635	50.598	ug/L	96
35) Methylcyclohexane	6.056	83	111950	53.604	ug/L	99
37) 1,2-Dichloropropane	6.098	63	87718	54.258	ug/L	100
38) Bromodichloromethane	6.436	83	132714	52.956	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	129207	51.829	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	247502	99.488	ug/L	99
42) Toluene	7.320	91	357397	56.238	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	141858	56.249	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	93589	53.050	ug/L	97
46) Tetrachloroethene	7.911	164	74389	55.044	ug/L	93
48) 2-Hexanone	8.082	43	214536	103.538	ug/L	98
49) Dibromochloromethane	8.181	129	108116	54.317	ug/L	96
50) 1,2-Dibromoethane	8.288	107	91181	51.985	ug/L	99
51) Chlorobenzene	8.818	112	239378	52.922	ug/L	99
52) Ethylbenzene	8.953	91	393392	54.067	ug/L	96
53) m,p-Xylene	9.079	106	155965	55.259	ug/L	96
54) o-Xylene	9.484	106	152979	54.943	ug/L	98
55) Styrene	9.500	104	280322	56.926	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	150407	51.889	ug/L	97
59) Bromoform	9.670	173	90266	52.939	ug/L	99
60) Isopropylbenzene	9.873	105	426908	54.283	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	116080	51.312	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	346995	53.677	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	347899	55.040	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	219662	54.511	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	227427	54.250	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	223876	54.753	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	31402	45.220	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	162616	52.202	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	134165	50.608	ug/L	98
71) Naphthalene	13.445	128	318019	46.183	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	136764	51.625	ug/L	99

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

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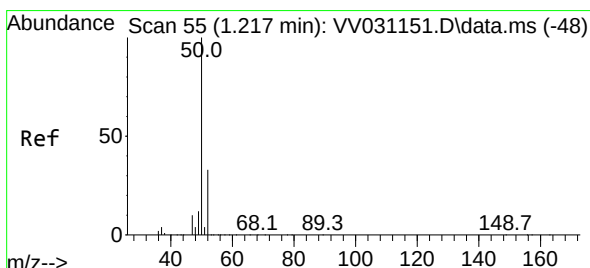
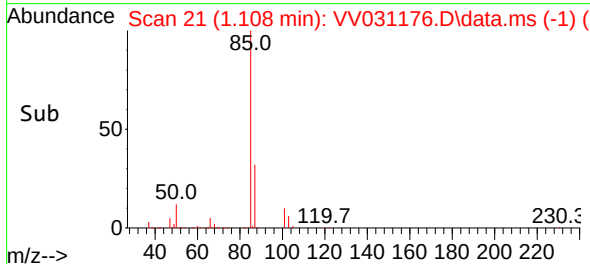
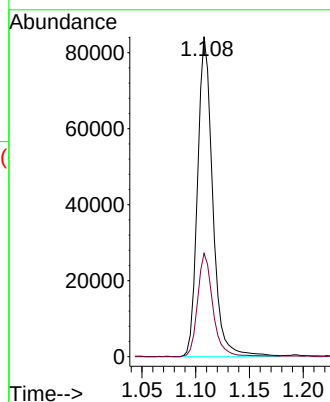
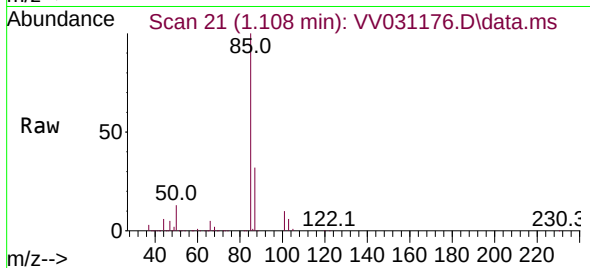




#2
 Dichlorodifluoromethane
 Concen: 51.387 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

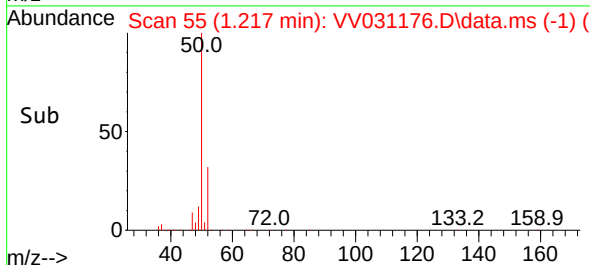
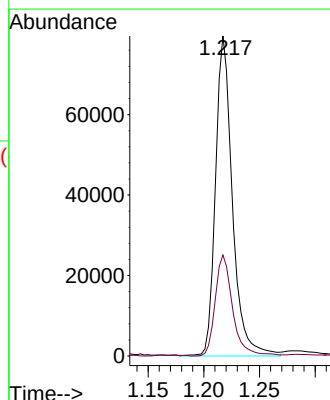
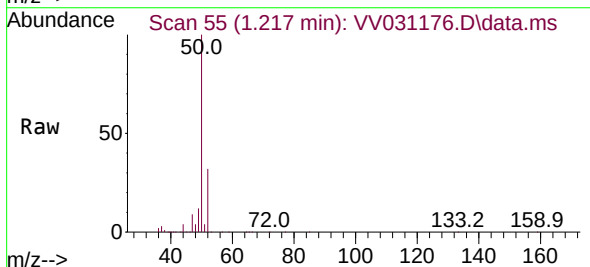
Instrument :
 MSVOA_V
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 VSTD050351

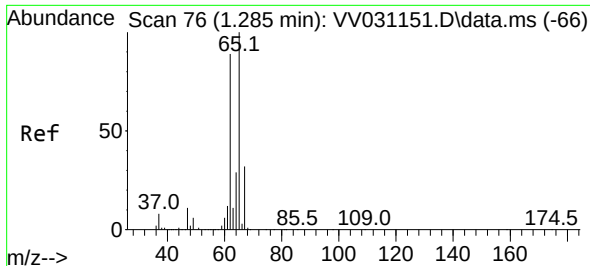
Tgt Ion: 85 Resp: 82632
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.2 37.8



#3
 Chloromethane
 Concen: 47.650 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion: 50 Resp: 83887
 Ion Ratio Lower Upper
 50 100
 52 31.5 23.3 43.3

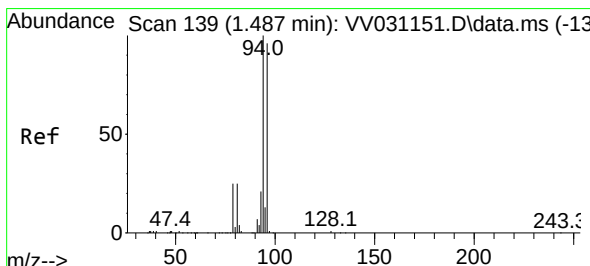
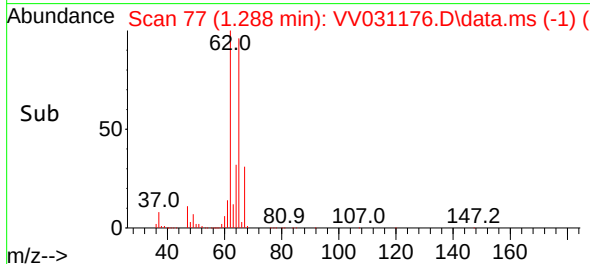
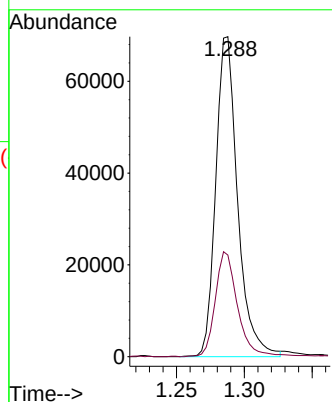
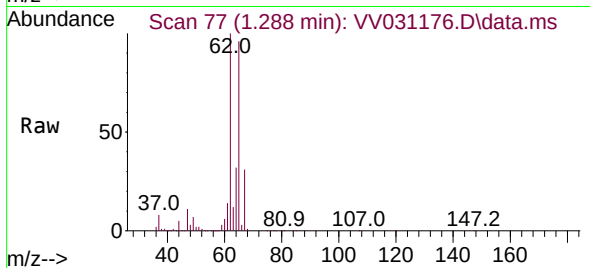




#5
 Vinyl chloride
 Concen: 49.721 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

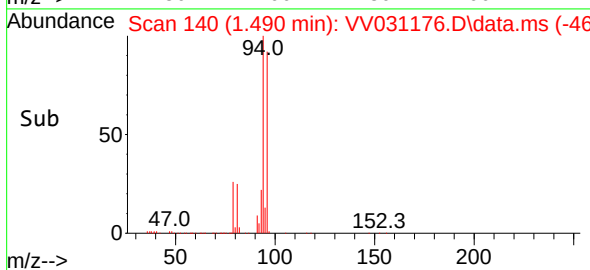
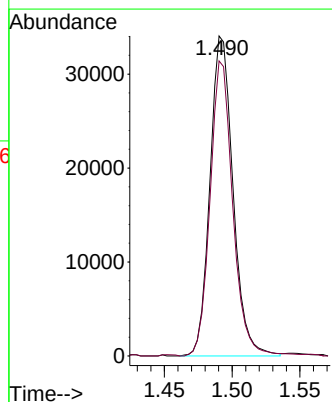
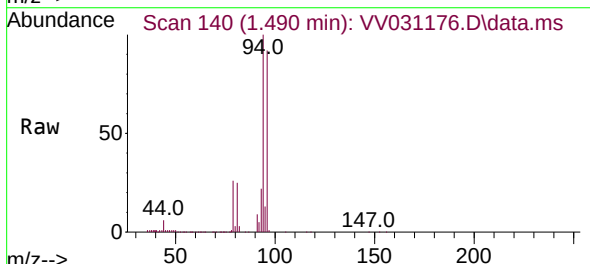
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 ClientSampleId :
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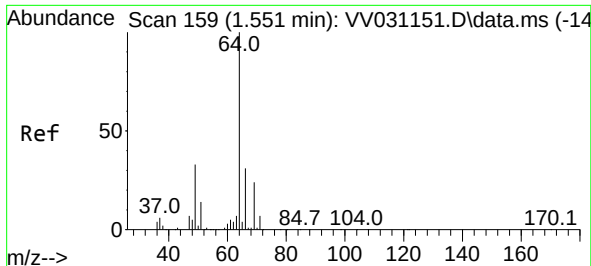
Tgt Ion: 62 Resp: 78183
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.1 42.9



#6
 Bromomethane
 Concen: 45.746 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. 0.003 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion: 94 Resp: 40313
 Ion Ratio Lower Upper
 94 100
 96 92.2 63.9 118.7

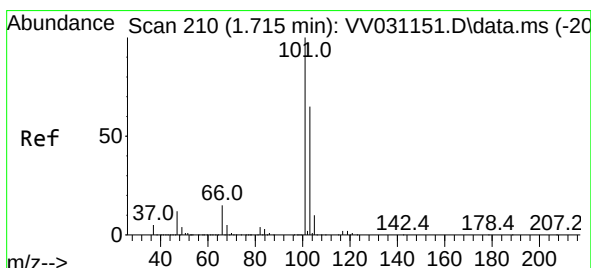
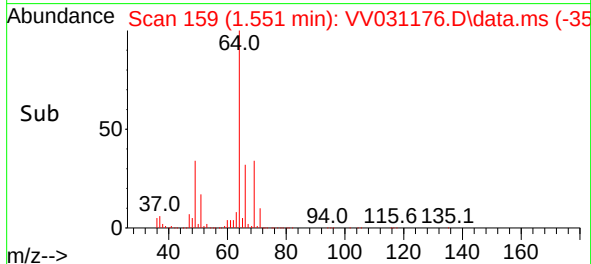
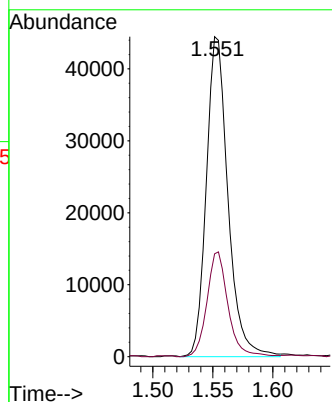
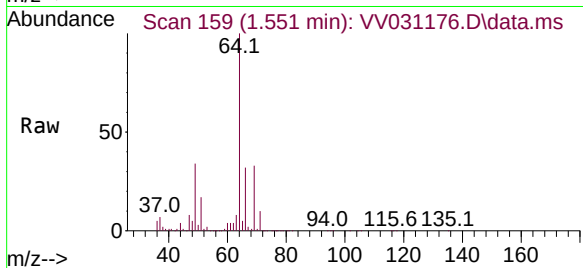




#8
Chloroethane
Concen: 55.109 ug/L
RT: 1.551 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

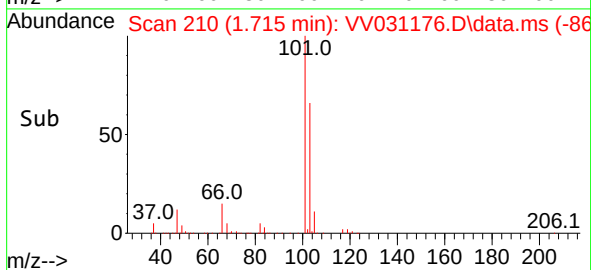
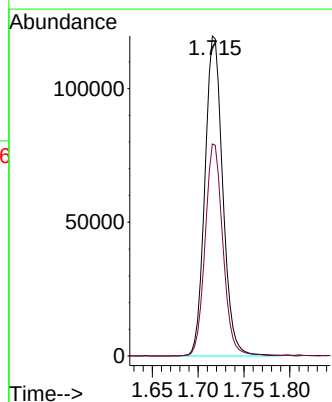
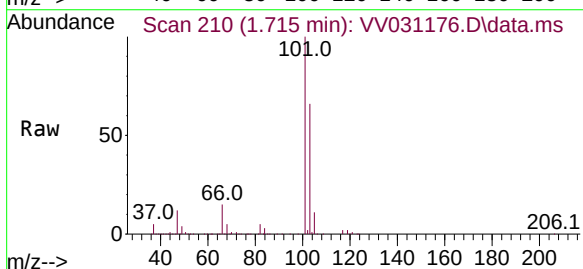
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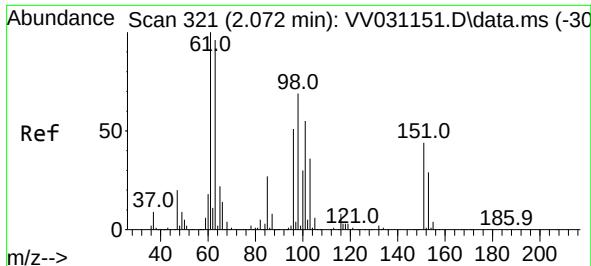
Tgt Ion: 64 Resp: 55839
Ion Ratio Lower Upper
64 100
66 32.2 22.1 41.1



#9
Trichlorofluoromethane
Concen: 52.397 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 101 Resp: 162053
Ion Ratio Lower Upper
101 100
103 65.9 51.4 77.2

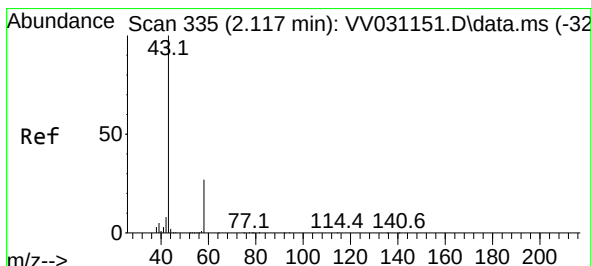
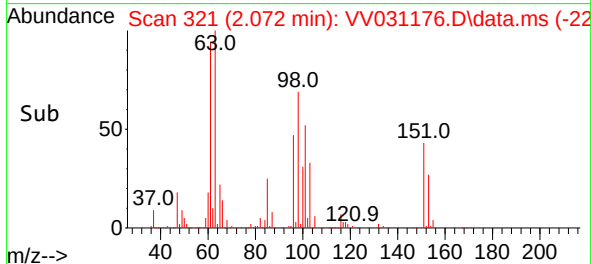
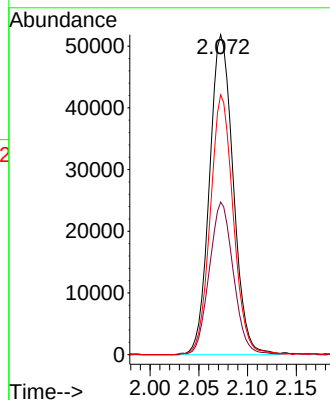
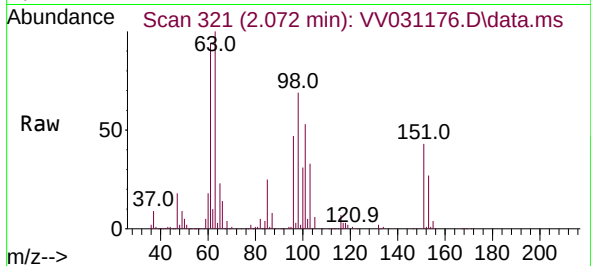




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 53.851 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

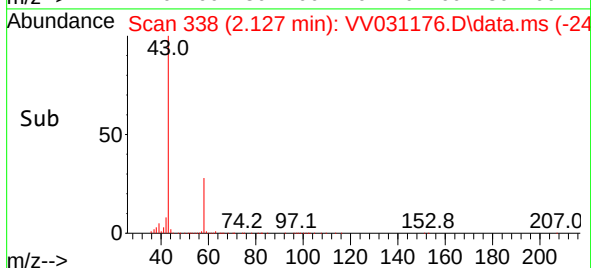
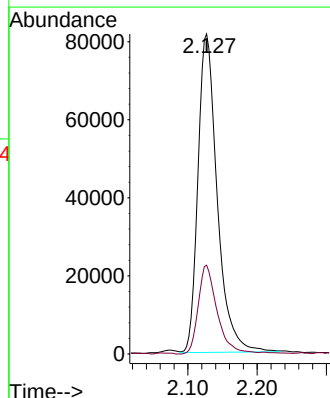
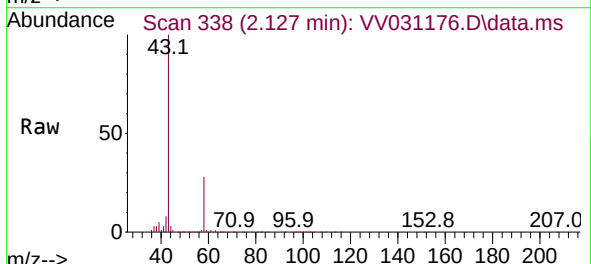
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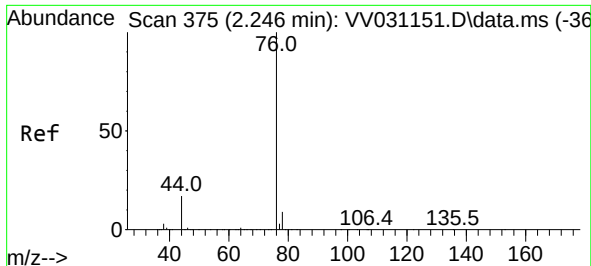
Tgt Ion:101 Resp: 87830
 Ion Ratio Lower Upper
 101 100
 85 48.0 38.0 57.0
 151 79.1 61.7 92.5



#13
 Acetone
 Concen: 107.275 ug/L
 RT: 2.127 min Scan# 338
 Delta R.T. 0.010 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion: 43 Resp: 158190
 Ion Ratio Lower Upper
 43 100
 58 27.3 0.0 54.0

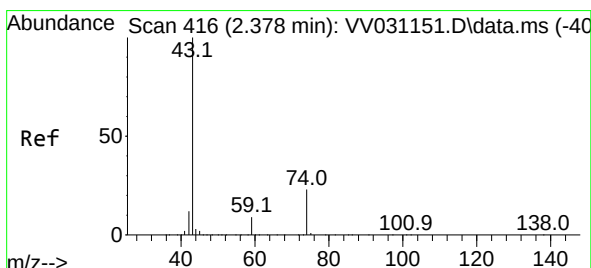
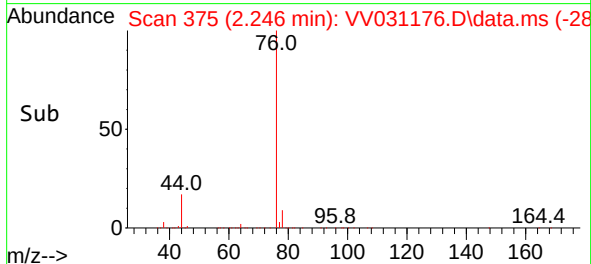
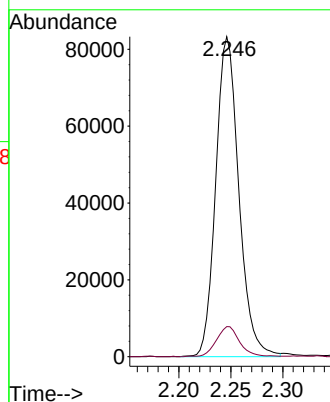
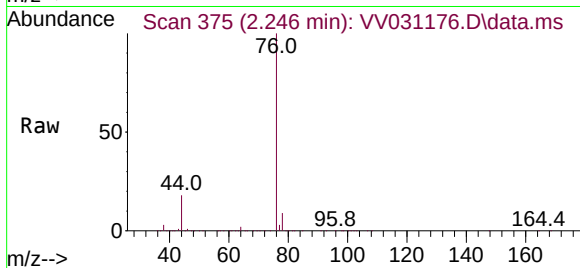




#14
Carbon disulfide
Concen: 51.078 ug/L
RT: 2.246 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

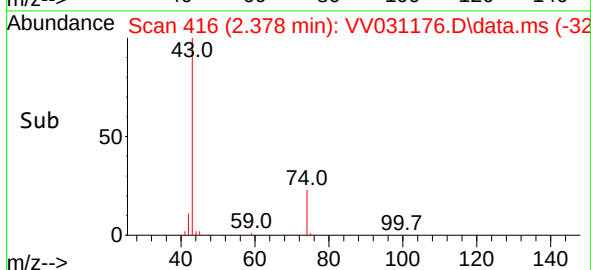
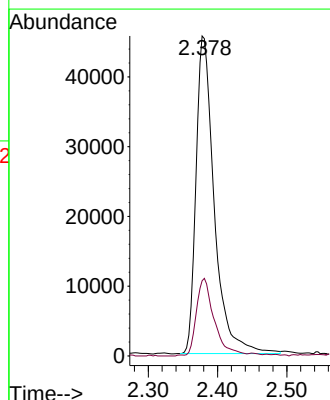
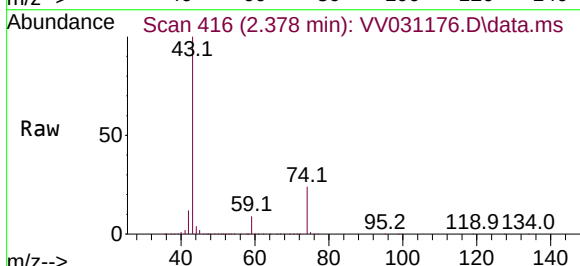
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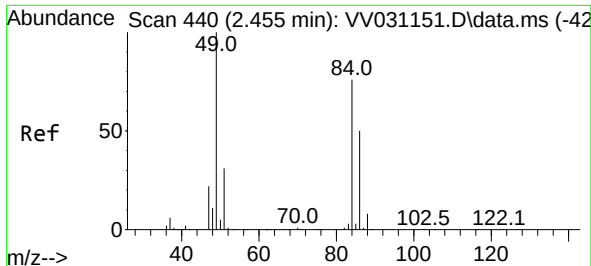
Tgt Ion: 76 Resp: 128786
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4



#15
Methyl Acetate
Concen: 49.879 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 43 Resp: 83594
Ion Ratio Lower Upper
43 100
74 23.8 18.1 27.1

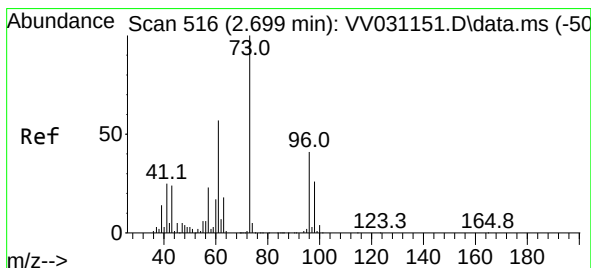
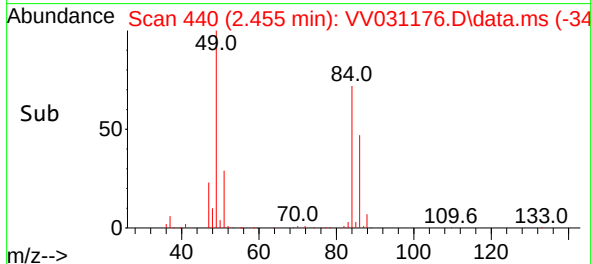
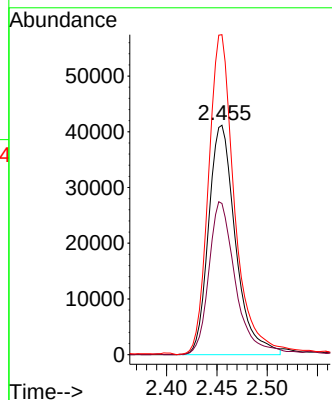
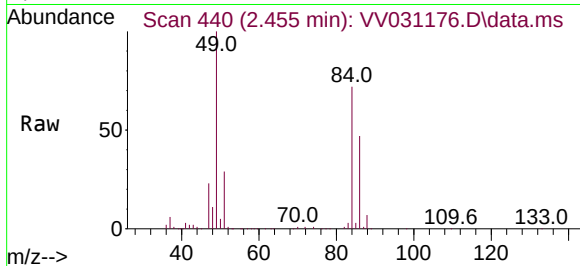




#16
Methylene chloride
Concen: 49.888 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

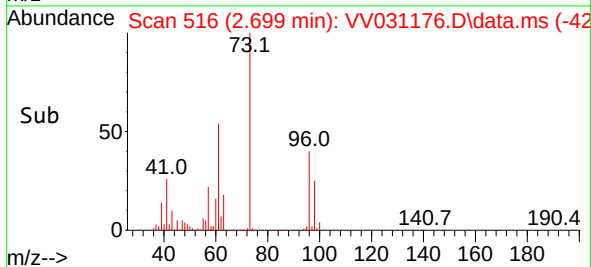
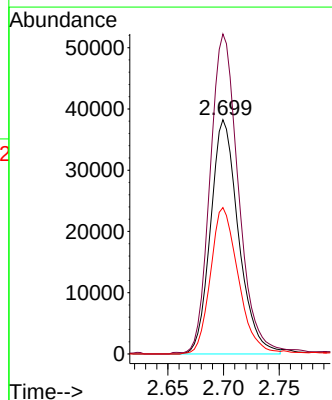
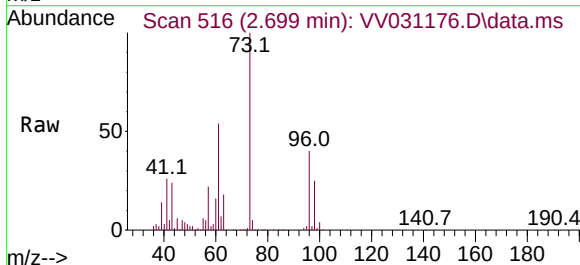
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

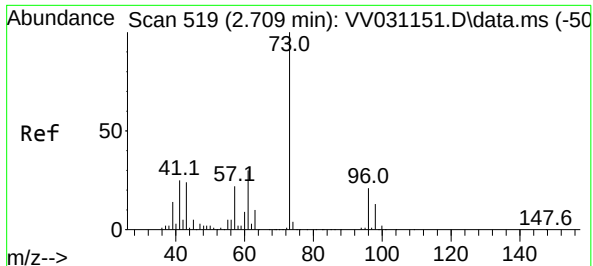
Tgt Ion: 84 Resp: 76844
Ion Ratio Lower Upper
84 100
86 65.9 43.3 80.3
49 139.4 92.6 172.0



#17
trans-1,2-Dichloroethene
Concen: 52.247 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 96 Resp: 66836
Ion Ratio Lower Upper
96 100
61 136.6 100.0 185.6
98 62.5 45.4 84.2

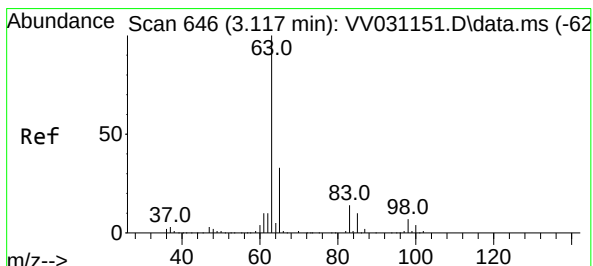
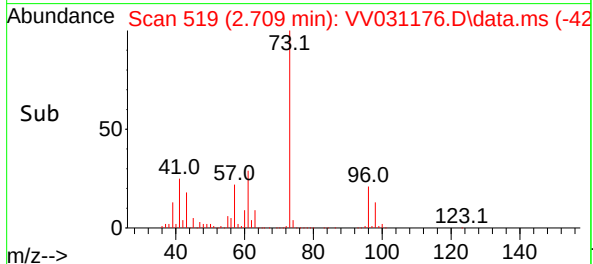
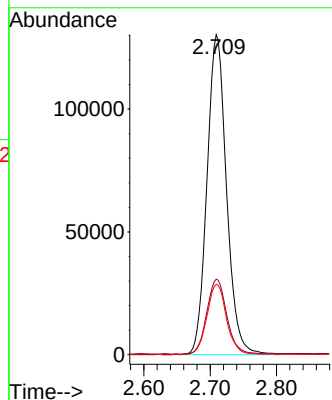
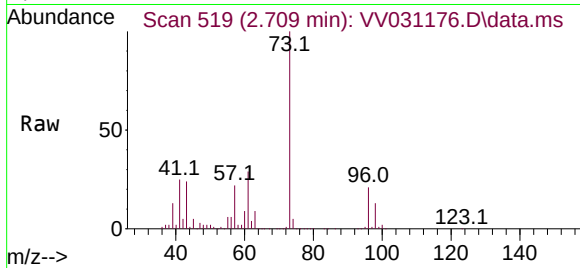




#18
Methyl tert-butyl Ether
Concen: 54.025 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

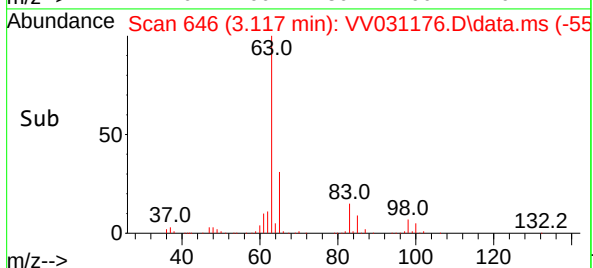
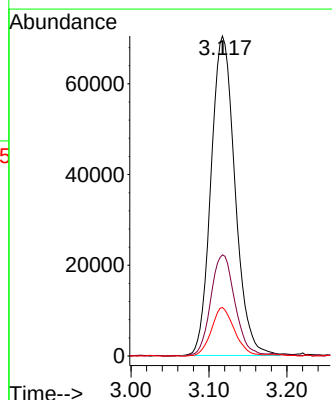
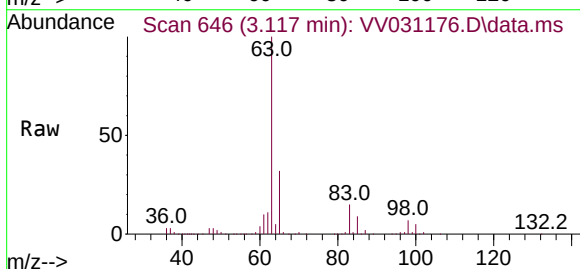
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

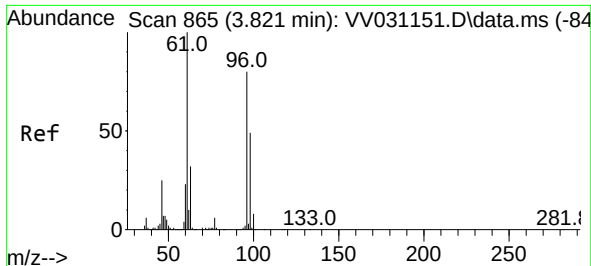
Tgt Ion: 73 Resp: 266976
Ion Ratio Lower Upper
73 100
43 24.0 19.4 29.2
57 22.1 17.1 25.7



#19
1,1-Dichloroethane
Concen: 51.789 ug/L
RT: 3.117 min Scan# 646
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 63 Resp: 150984
Ion Ratio Lower Upper
63 100
65 31.6 21.9 40.7
83 15.1 10.4 19.2

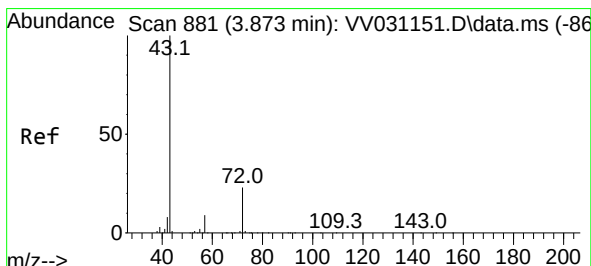
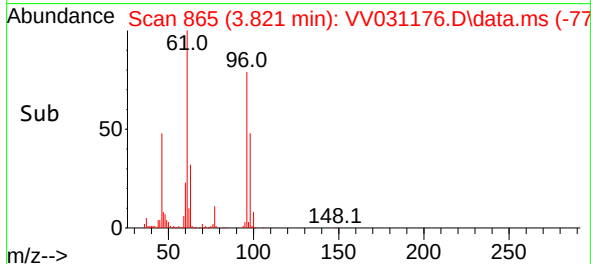
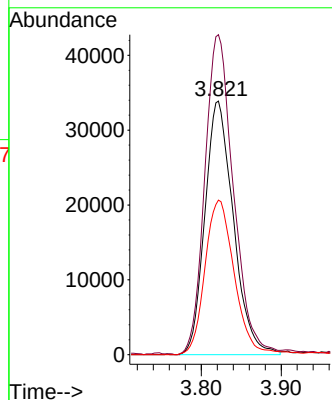
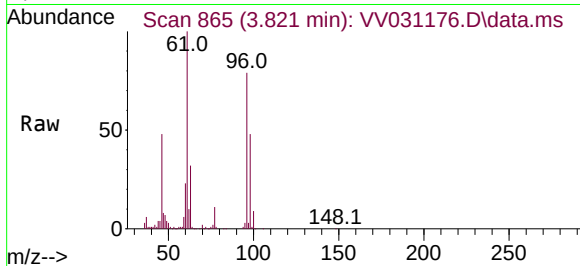




#20
 cis-1,2-Dichloroethene
 Concen: 53.248 ug/L
 RT: 3.821 min Scan# 865
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

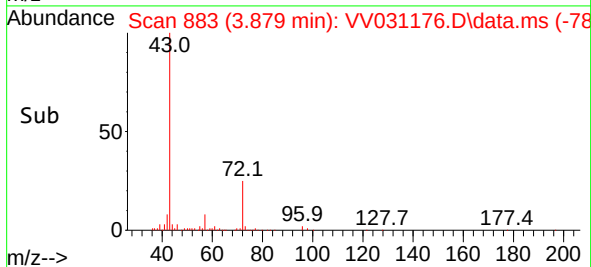
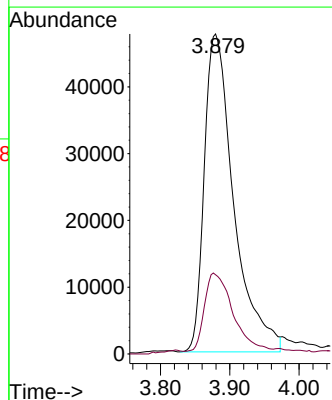
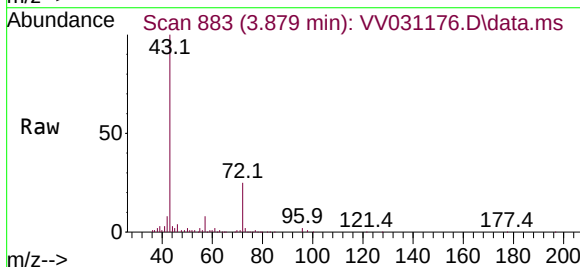
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

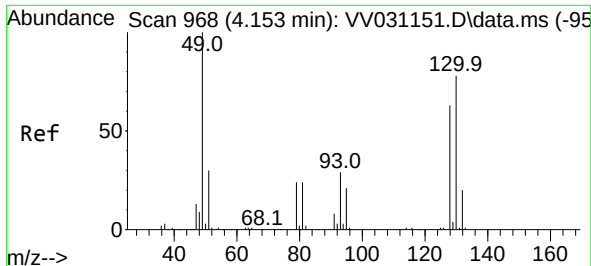
Tgt Ion: 96 Resp: 83972
 Ion Ratio Lower Upper
 96 100
 61 126.2 89.2 165.6
 98 60.9 43.0 80.0



#22
 2-Butanone
 Concen: 99.759 ug/L
 RT: 3.879 min Scan# 883
 Delta R.T. 0.006 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion: 43 Resp: 141069
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.9 35.7

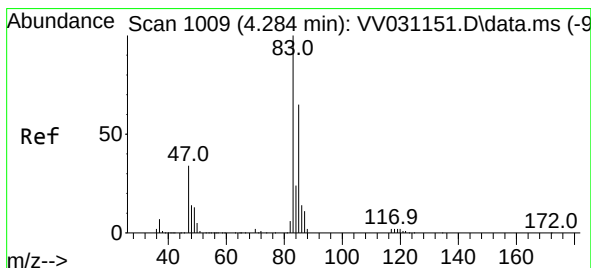
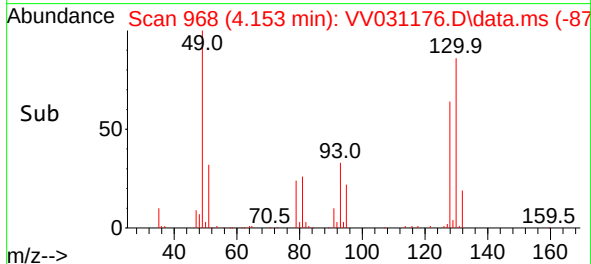
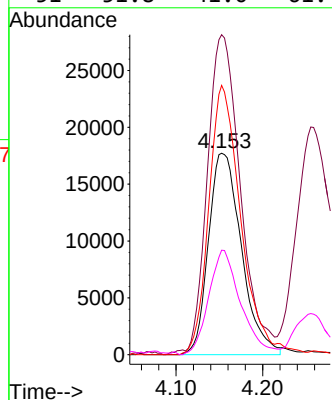
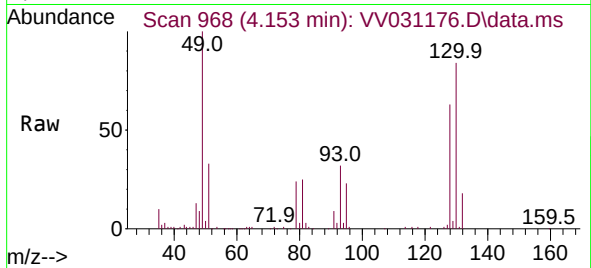




#23
Bromochloromethane
Concen: 54.038 ug/L
RT: 4.153 min Scan# 90
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

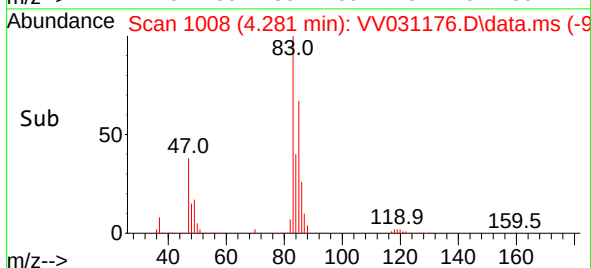
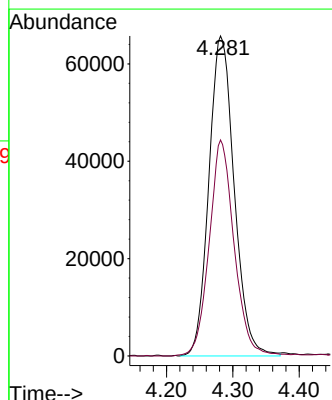
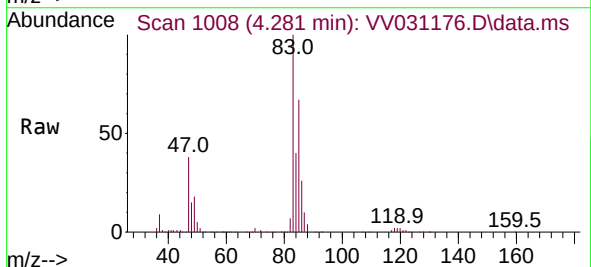
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

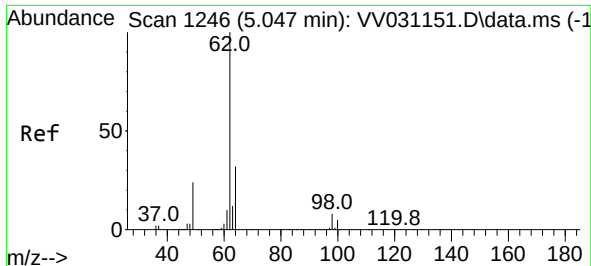
Tgt Ion:128 Resp: 46829
Ion Ratio Lower Upper
128 100
49 158.9 113.2 210.2
130 133.7 87.5 162.5
51 51.8 41.0 61.4



#25
Chloroform
Concen: 53.577 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. -0.003 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 83 Resp: 174486
Ion Ratio Lower Upper
83 100
85 67.5 47.3 87.9





#27

1,2-Dichloroethane

Concen: 55.583 ug/L

RT: 5.047 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

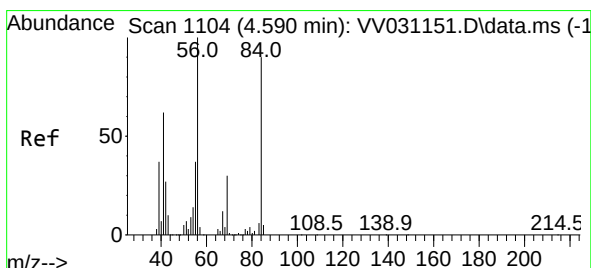
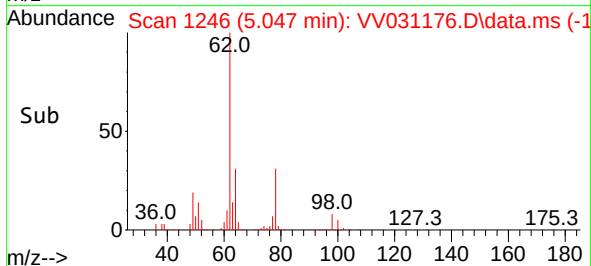
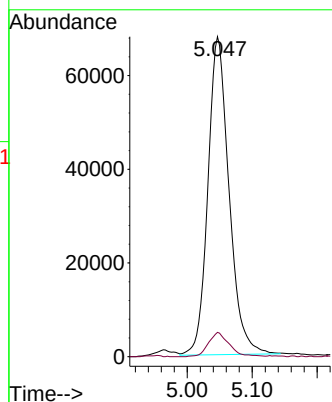
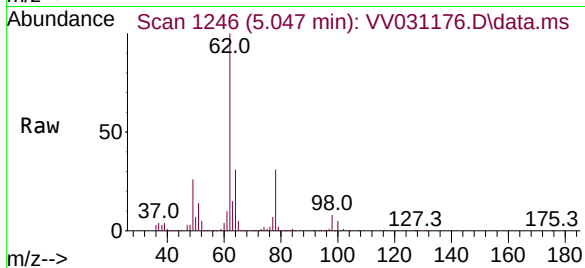
VSTD050351

Tgt Ion: 62 Resp: 153587

Ion Ratio Lower Upper

62 100

98 7.6 6.3 9.5



#29

Cyclohexane

Concen: 51.397 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

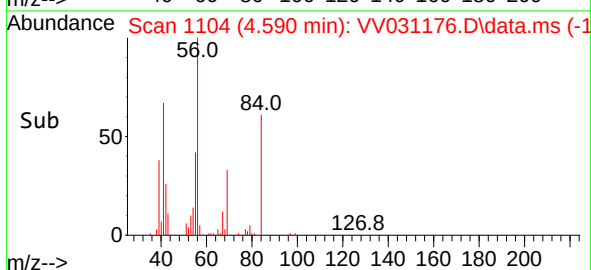
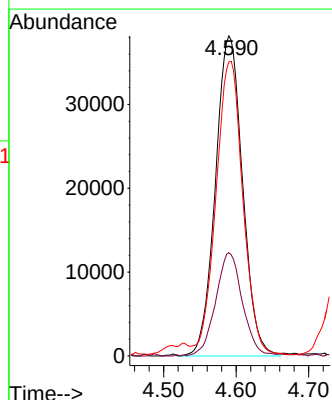
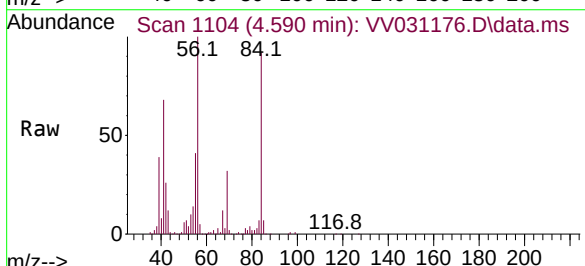
Tgt Ion: 56 Resp: 99162

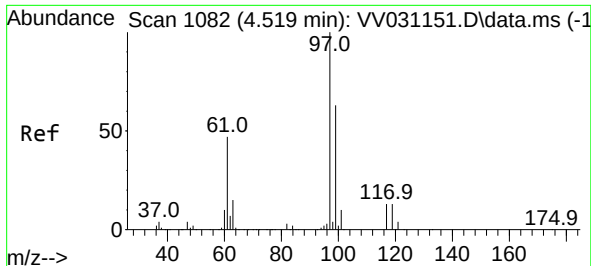
Ion Ratio Lower Upper

56 100

69 31.6 25.1 37.7

84 90.5 71.5 107.3





#30

1,1,1-Trichloroethane

Concen: 53.144 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050351

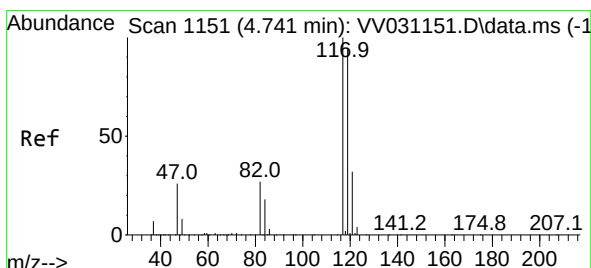
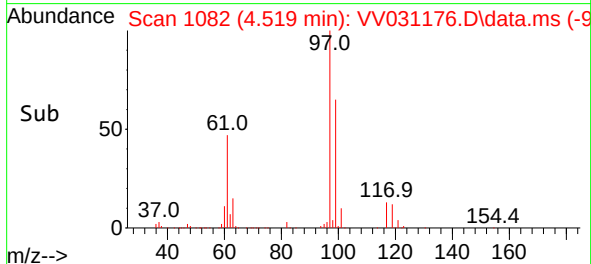
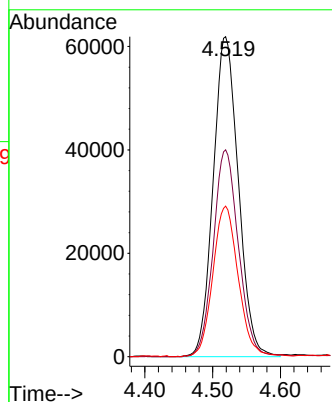
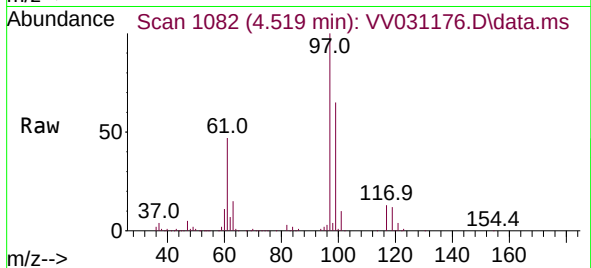
Tgt Ion: 97 Resp: 159891

Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

61 47.0 38.2 57.2



#31

Carbon tetrachloride

Concen: 54.161 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031176.D

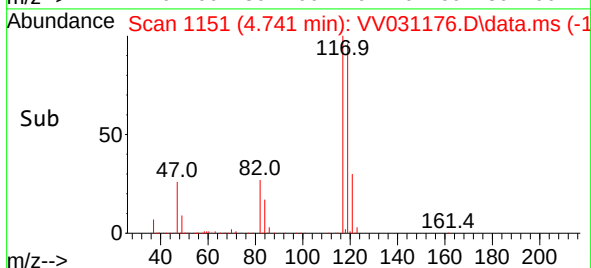
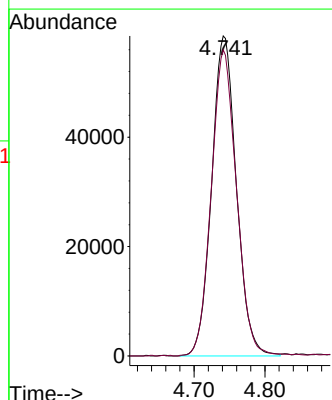
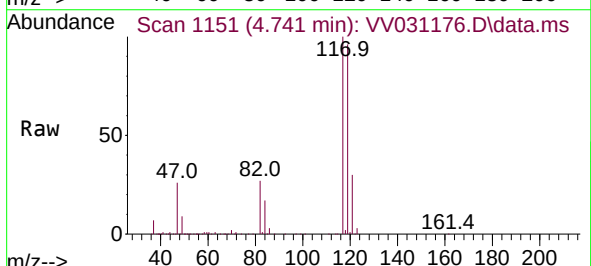
Acq: 23 May 2023 09:25

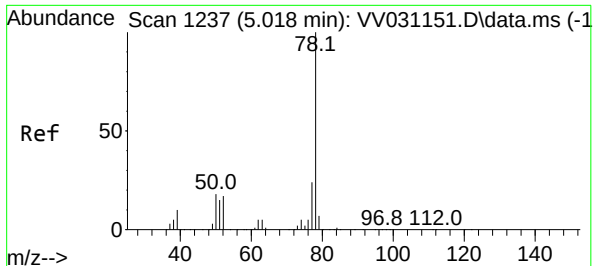
Tgt Ion: 117 Resp: 141958

Ion Ratio Lower Upper

117 100

119 97.4 76.9 115.3

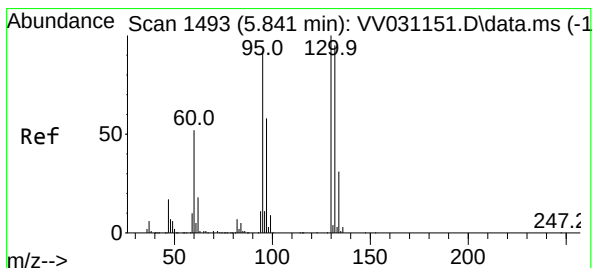
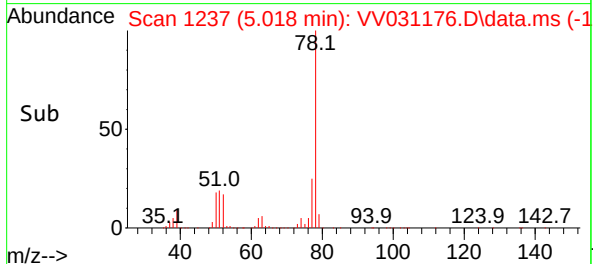
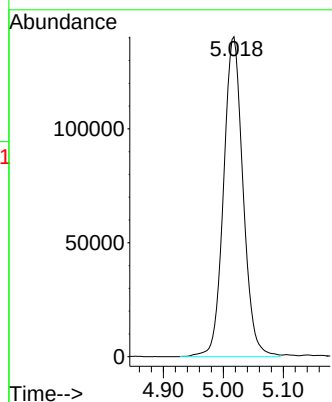
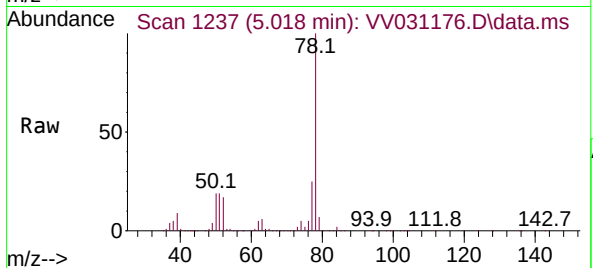




#33
Benzene
Concen: 53.907 ug/L
RT: 5.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

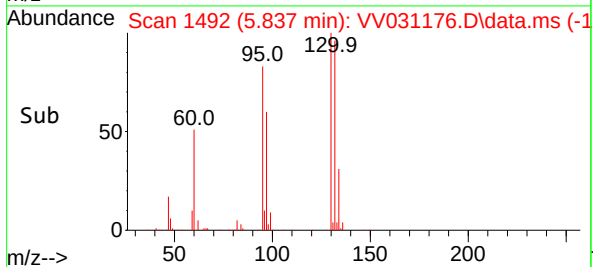
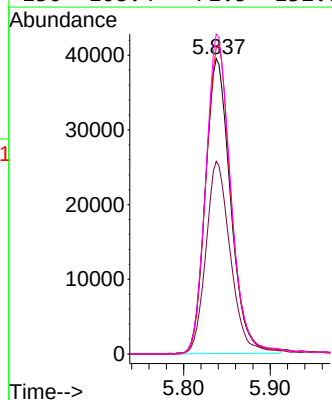
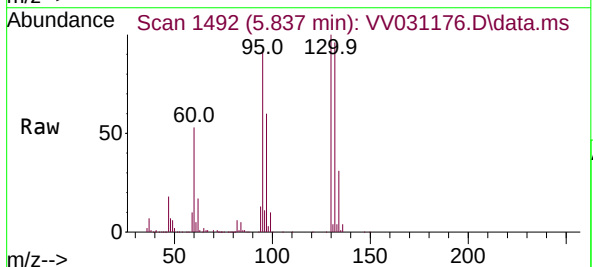
Tgt Ion: 78 Resp: 316638

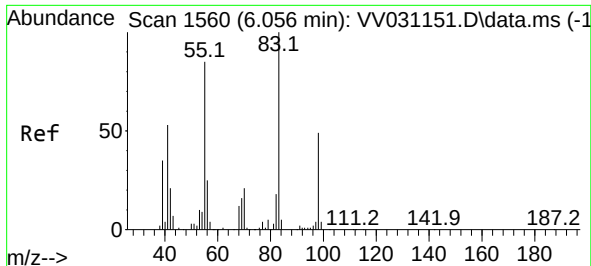


#34
Trichloroethene
Concen: 50.598 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 95 Resp: 79635

Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.4	82.5
132	103.6	70.2	130.4
130	108.4	71.5	132.7

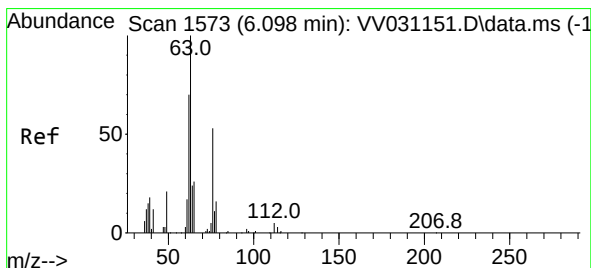
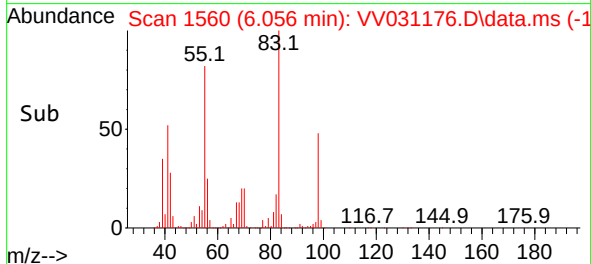
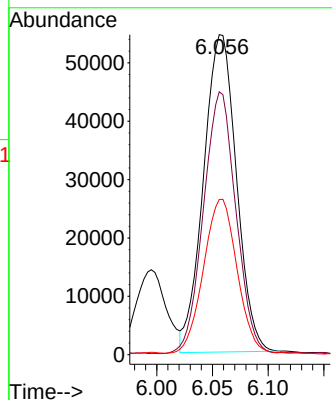
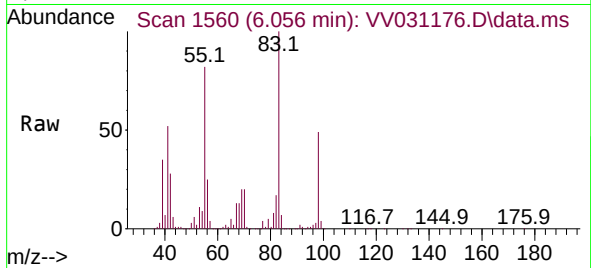




#35
Methylcyclohexane
Concen: 53.604 ug/L
RT: 6.056 min Scan# 111950
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

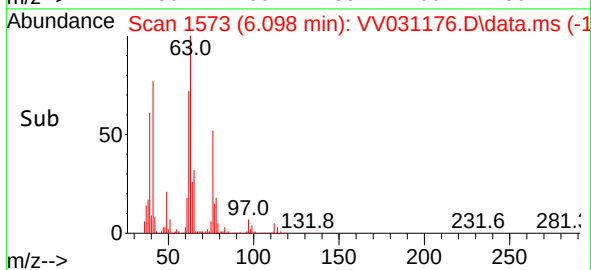
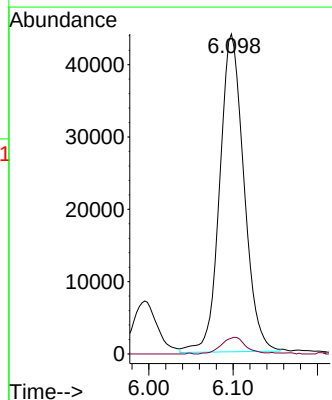
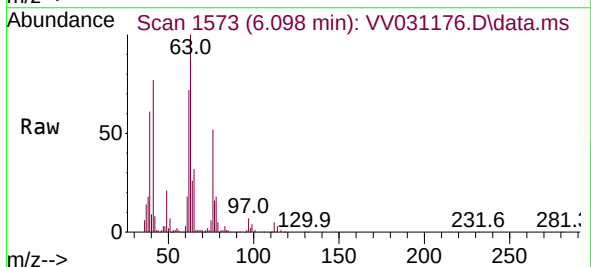
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

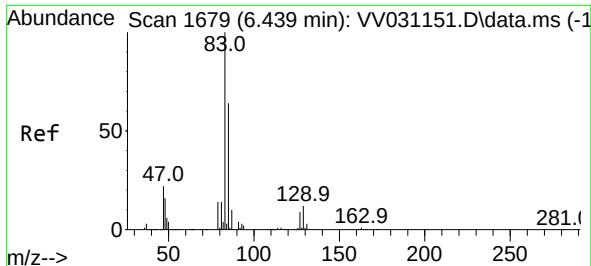
Tgt Ion: 83 Resp: 111950
Ion Ratio Lower Upper
83 100
55 81.3 64.2 96.2
98 49.6 40.0 60.0



#37
1,2-Dichloropropane
Concen: 54.258 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 63 Resp: 87718
Ion Ratio Lower Upper
63 100
112 5.3 4.3 6.5

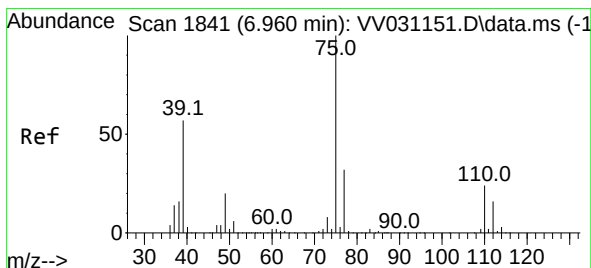
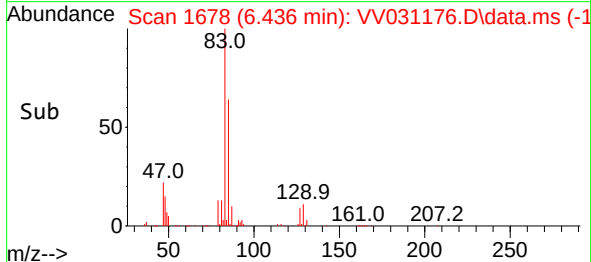
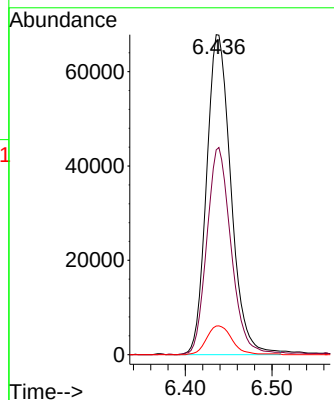
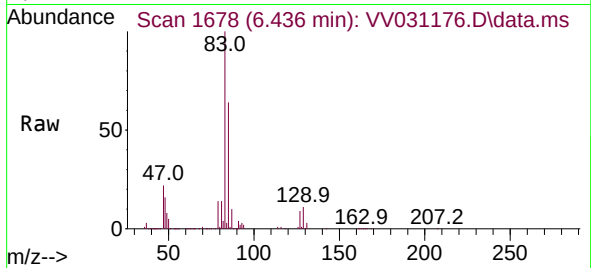




#38
Bromodichloromethane
Concen: 52.956 ug/L
RT: 6.436 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

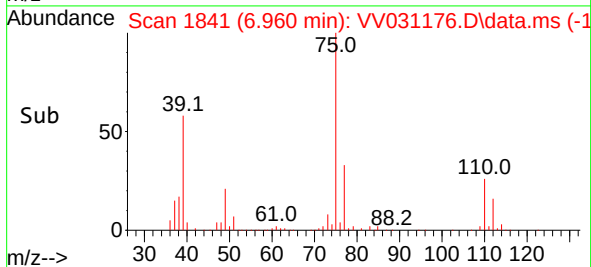
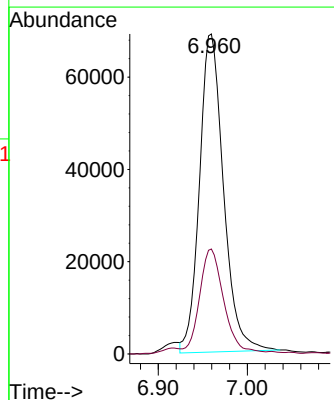
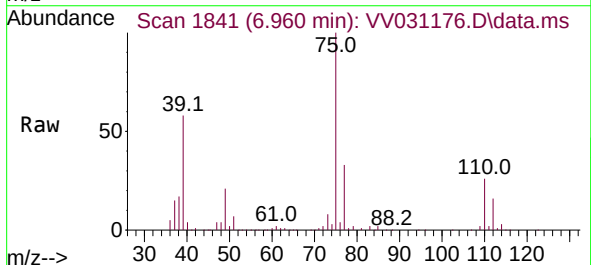
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

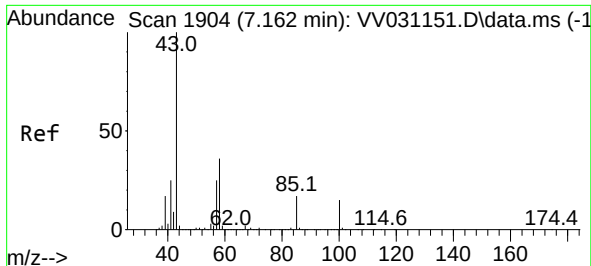
Tgt Ion: 83 Resp: 132714
Ion Ratio Lower Upper
83 100
85 64.0 44.0 81.6
127 9.0 6.9 10.3



#39
cis-1,3-Dichloropropene
Concen: 51.829 ug/L
RT: 6.960 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 75 Resp: 129207
Ion Ratio Lower Upper
75 100
77 32.8 22.3 41.3





#40

4-Methyl-2-pentanone

Concen: 99.488 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD050351

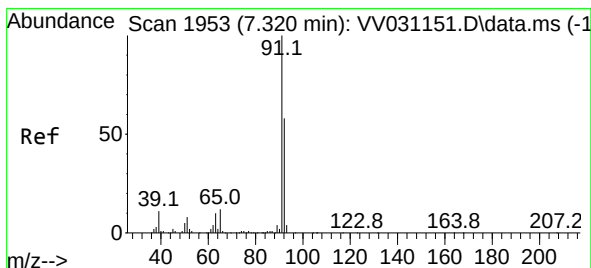
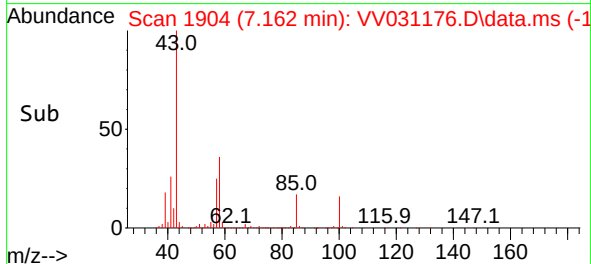
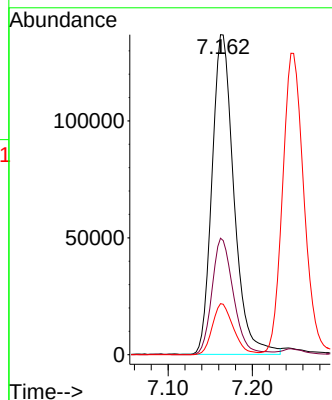
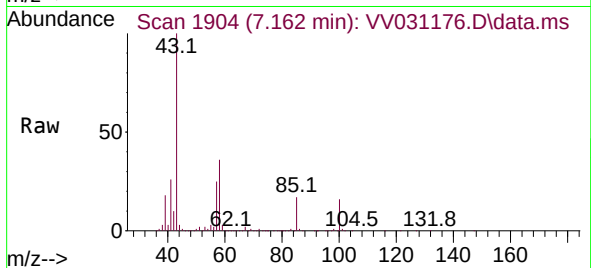
Tgt Ion: 43 Resp: 247502

Ion Ratio Lower Upper

43 100

58 35.8 29.0 43.4

100 15.3 12.2 18.4



#42

Toluene

Concen: 56.238 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031176.D

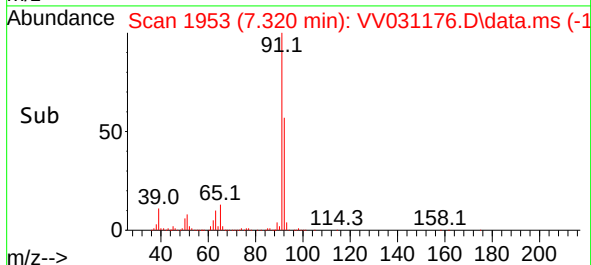
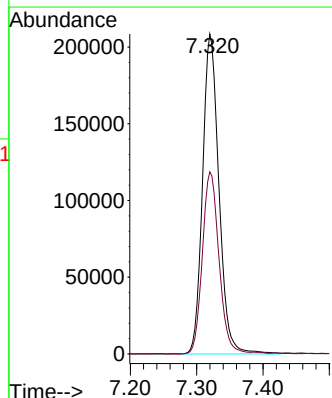
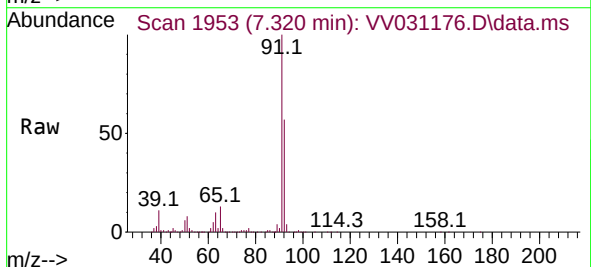
Acq: 23 May 2023 09:25

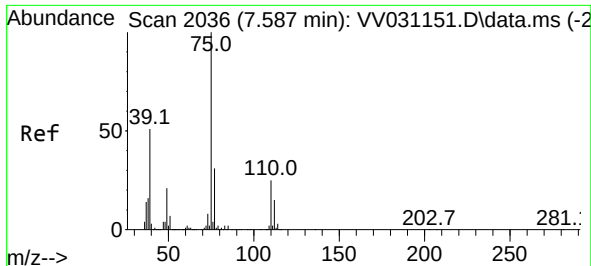
Tgt Ion: 91 Resp: 357397

Ion Ratio Lower Upper

91 100

92 56.9 40.9 76.0

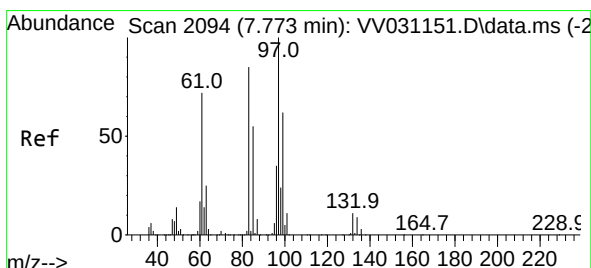
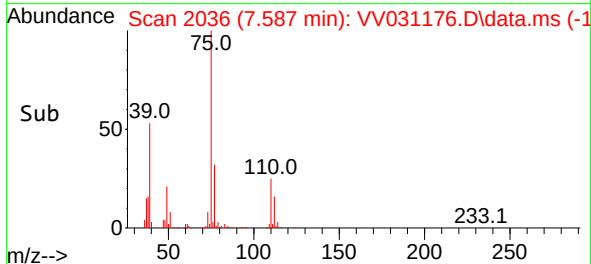
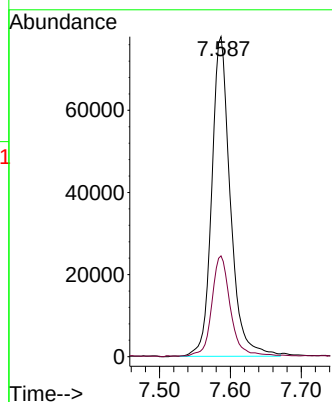
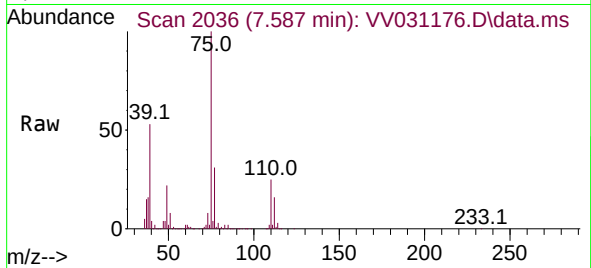




#44
trans-1,3-Dichloropropene
Concen: 56.249 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

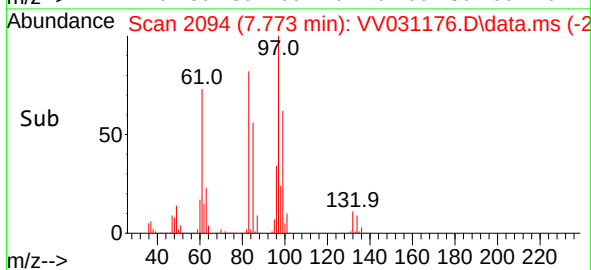
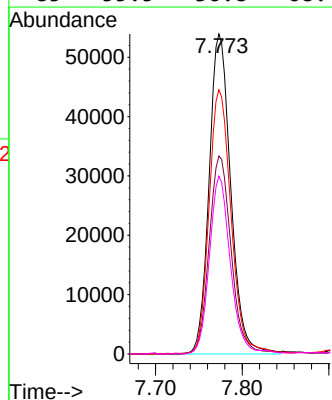
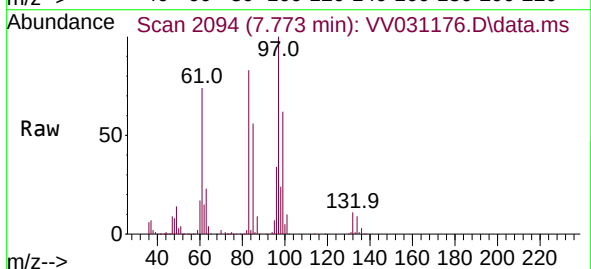
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

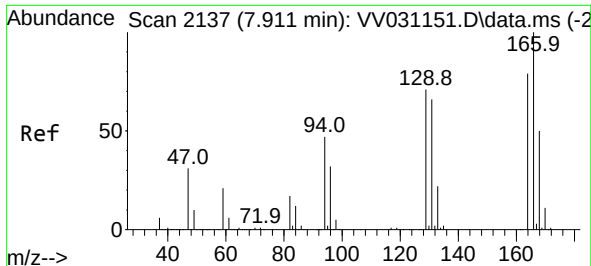
Tgt Ion: 75 Resp: 141858
Ion Ratio Lower Upper
75 100
77 31.5 22.2 41.2



#45
1,1,2-Trichloroethane
Concen: 53.050 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

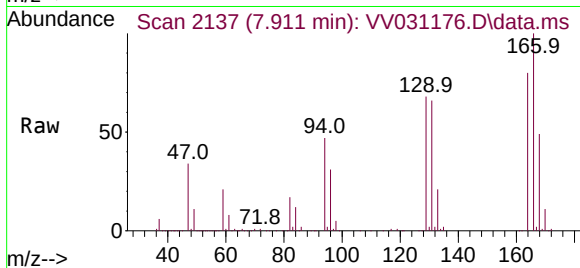
Tgt Ion: 97 Resp: 93589
Ion Ratio Lower Upper
97 100
99 61.9 43.2 80.2
83 82.5 60.5 112.3
85 55.5 36.8 68.4



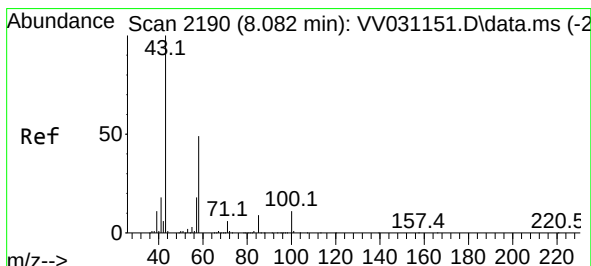
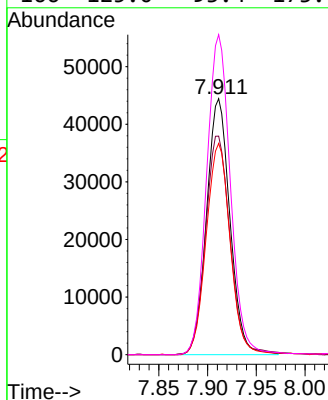
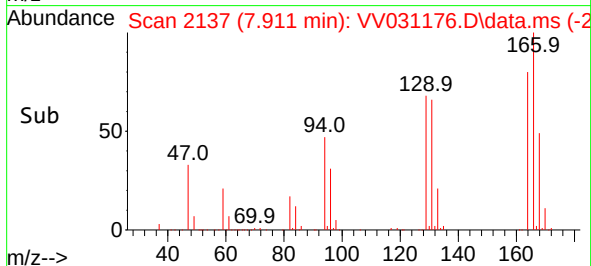


#46
Tetrachloroethene
Concen: 55.044 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

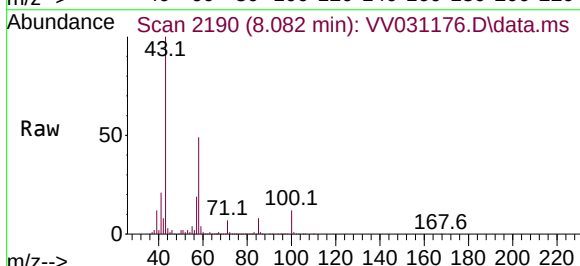
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351



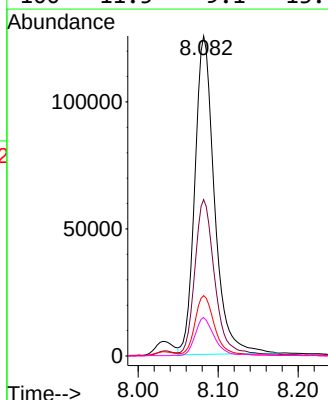
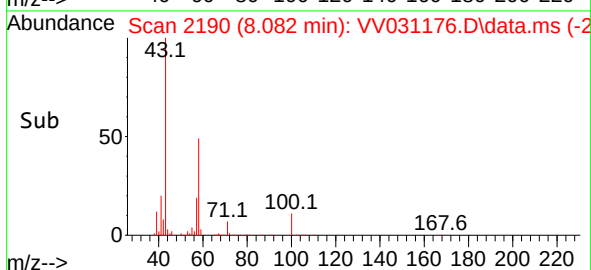
Tgt Ion:	164	Resp:	74389
Ion	Ratio	Lower	Upper
164	100		
129	85.4	65.5	121.7
131	82.5	62.1	115.3
166	125.0	93.4	173.4

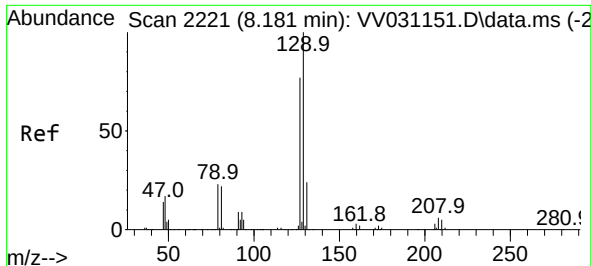


#48
2-Hexanone
Concen: 103.538 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25



Tgt Ion:	43	Resp:	214536
Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.8	59.6
57	19.5	14.4	21.6
100	11.5	9.1	13.7





#49

Dibromochloromethane

Concen: 54.317 ug/L

RT: 8.181 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

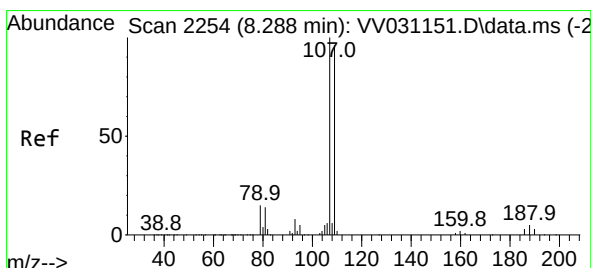
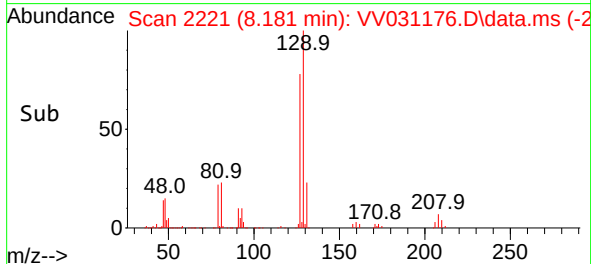
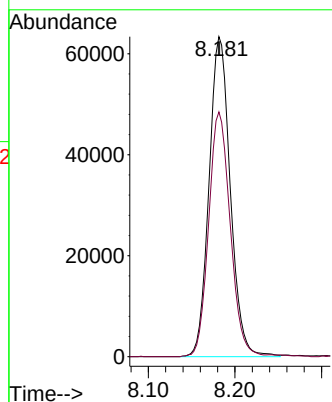
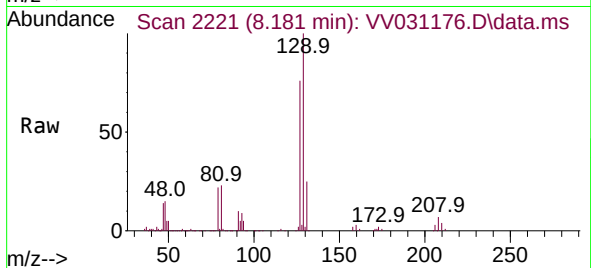
VSTD050351

Tgt Ion:129 Resp: 108116

Ion Ratio Lower Upper

129 100

127 76.5 56.1 104.1



#50

1,2-Dibromoethane

Concen: 51.985 ug/L

RT: 8.288 min Scan# 2254

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

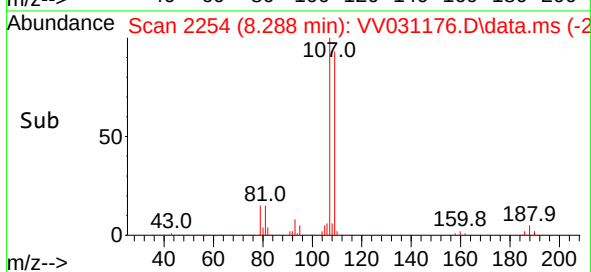
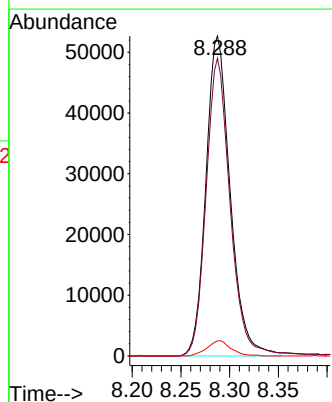
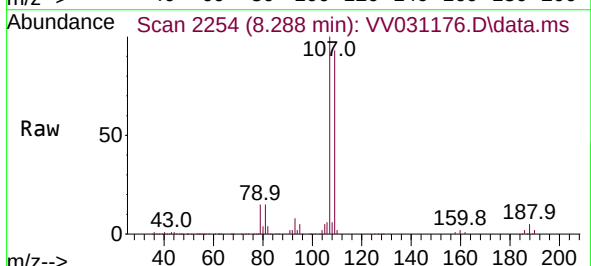
Tgt Ion:107 Resp: 91181

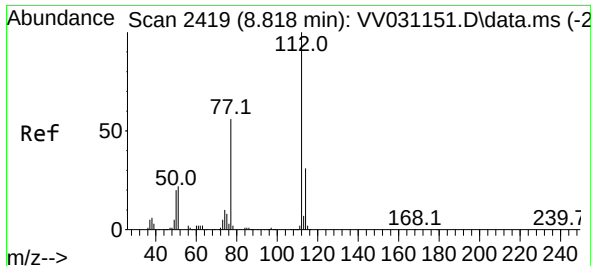
Ion Ratio Lower Upper

107 100

109 93.0 65.6 121.8

188 4.7 3.8 5.6

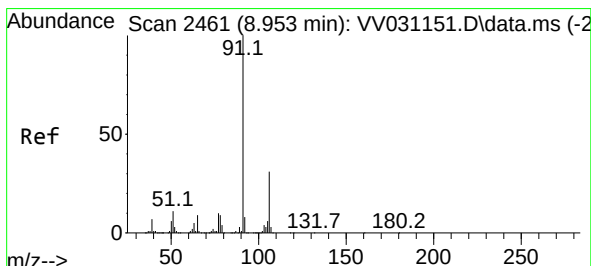
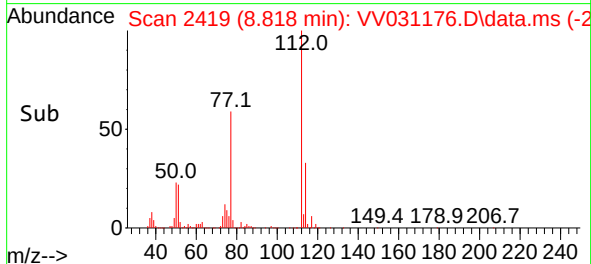
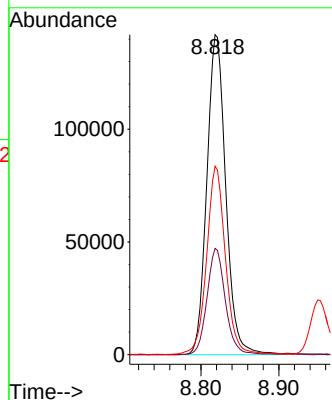
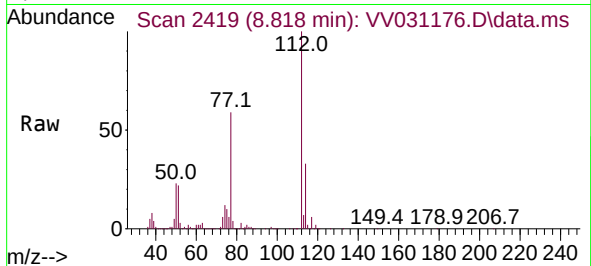




#51
Chlorobenzene
Concen: 52.922 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

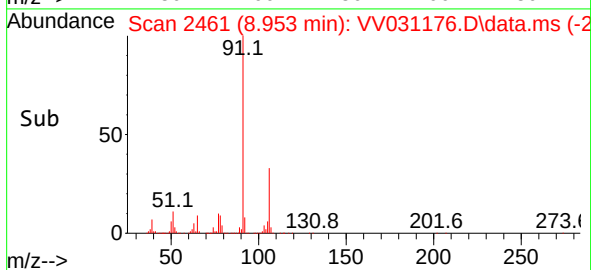
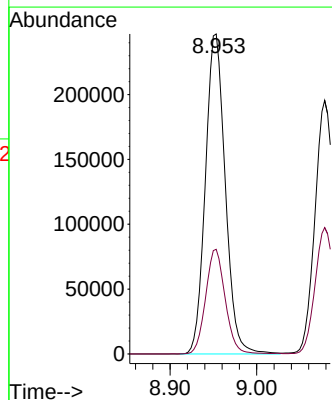
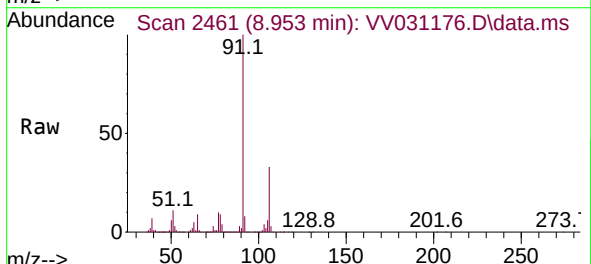
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

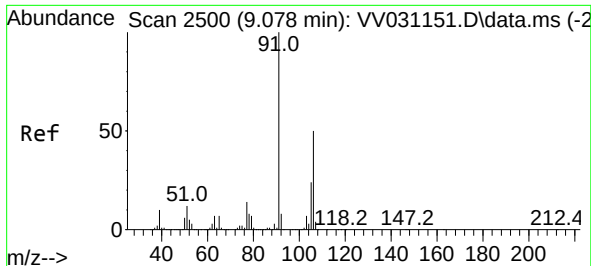
Tgt Ion:112 Resp: 239378
Ion Ratio Lower Upper
112 100
114 33.2 23.0 42.8
77 58.9 46.2 69.4



#52
Ethylbenzene
Concen: 54.067 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion: 91 Resp: 393392
Ion Ratio Lower Upper
91 100
106 32.7 21.5 39.9

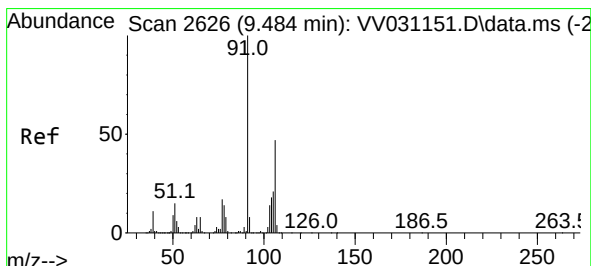
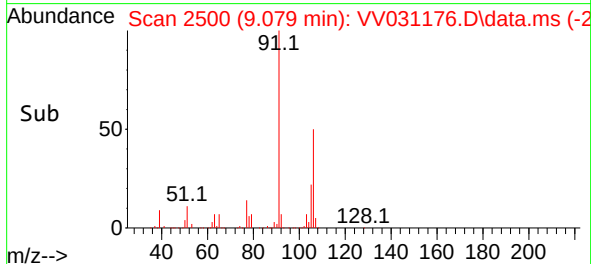
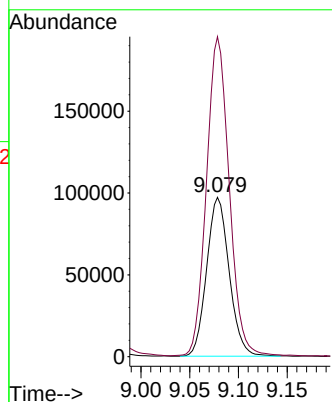
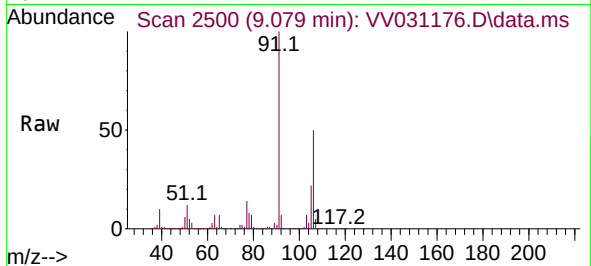




#53
m,p-Xylene
Concen: 55.259 ug/L
RT: 9.079 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

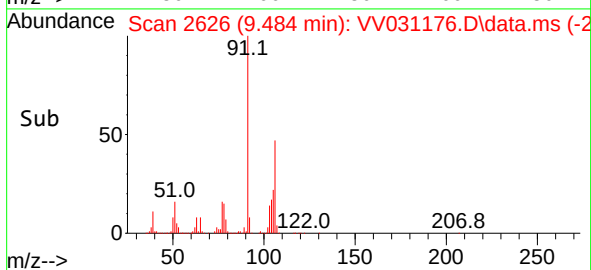
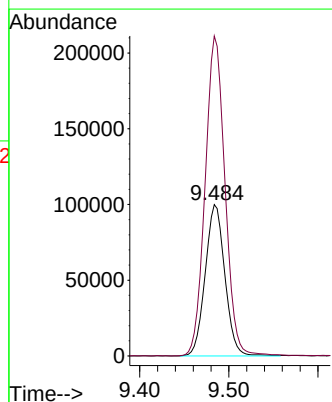
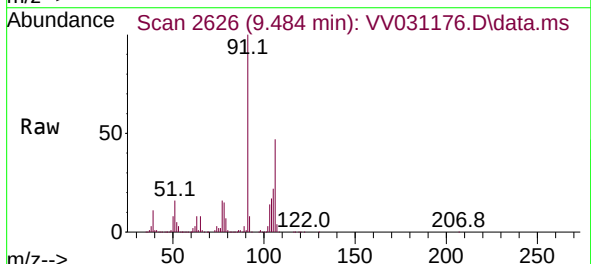
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

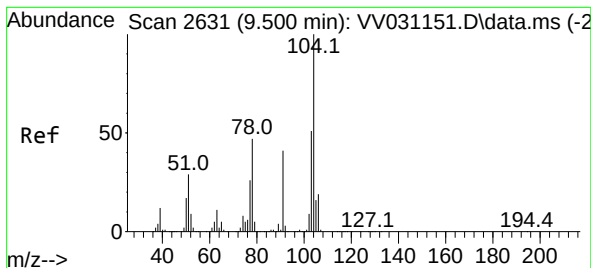
Tgt Ion:106 Resp: 155965
Ion Ratio Lower Upper
106 100
91 200.7 145.3 269.8



#54
o-Xylene
Concen: 54.943 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion:106 Resp: 152979
Ion Ratio Lower Upper
106 100
91 211.5 150.4 279.2





#55

Styrene

Concen: 56.926 ug/L

RT: 9.500 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

Instrument :

MSVOA_V

ClientSampleId :

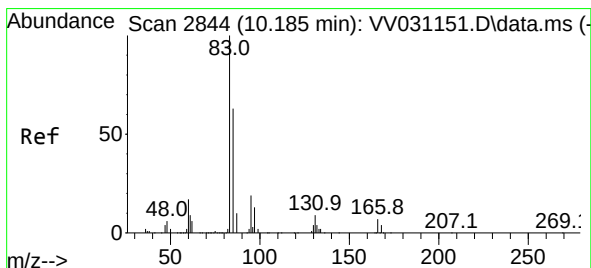
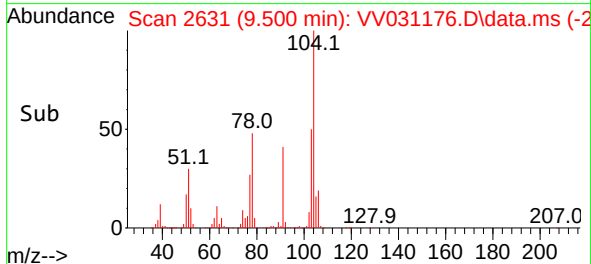
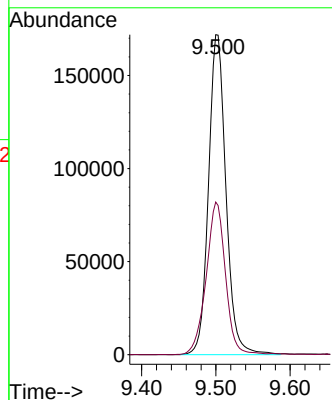
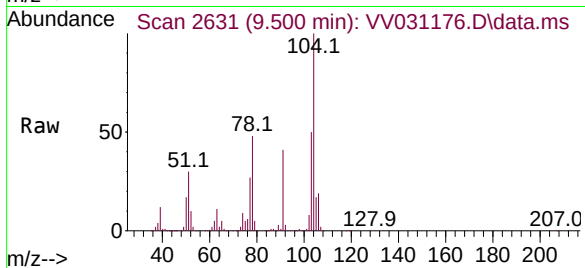
VSTD050351

Tgt Ion:104 Resp: 280322

Ion Ratio Lower Upper

104 100

78 47.7 33.2 61.6



#57

1,1,2,2-Tetrachloroethane

Concen: 51.889 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.000 min

Lab File: VV031176.D

Acq: 23 May 2023 09:25

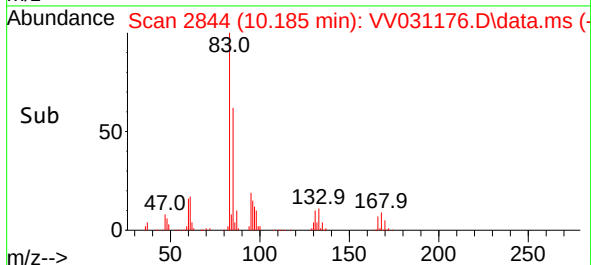
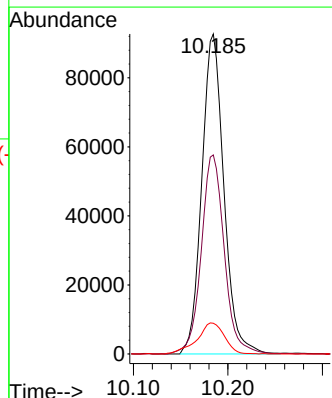
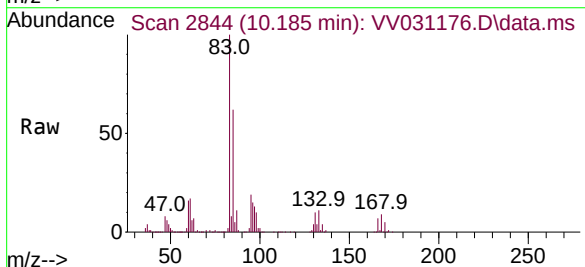
Tgt Ion: 83 Resp: 150407

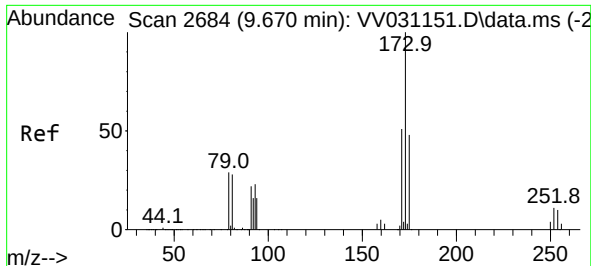
Ion Ratio Lower Upper

83 100

85 62.2 45.0 83.6

131 9.6 9.2 13.8

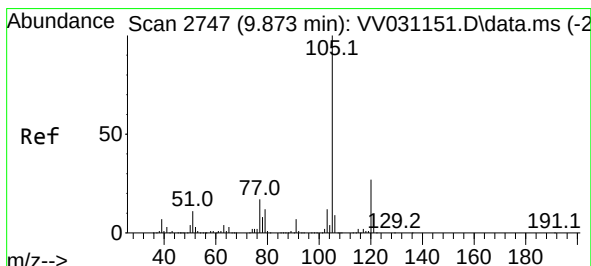
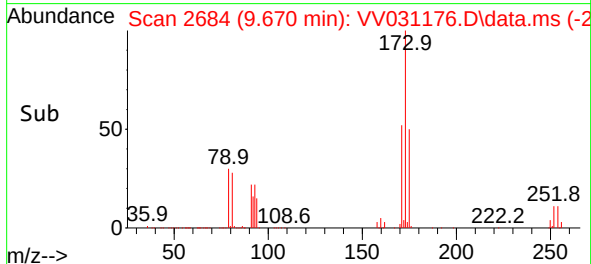
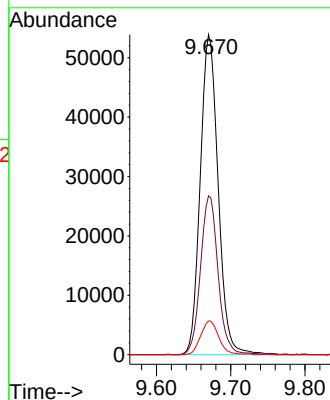
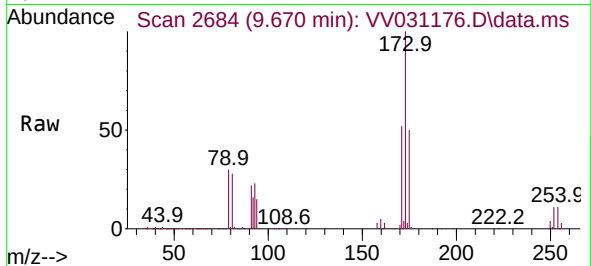




#59
Bromoform
Concen: 52.939 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

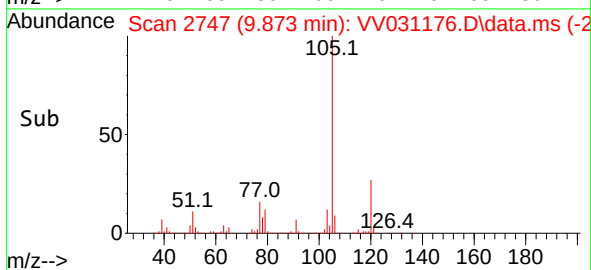
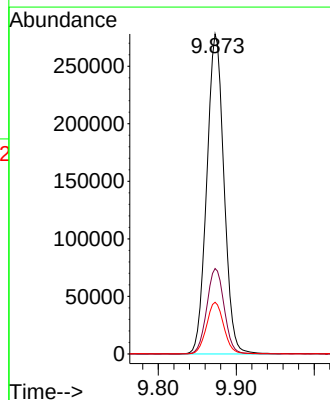
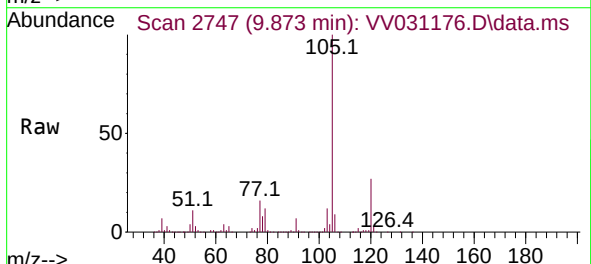
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

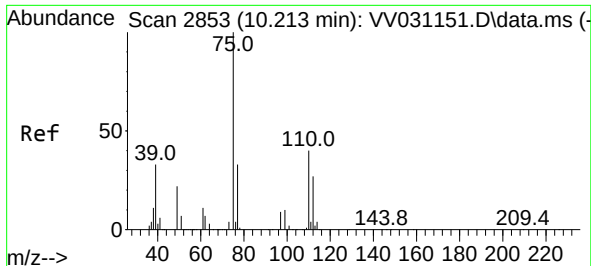
Tgt Ion:173 Resp: 90266
Ion Ratio Lower Upper
173 100
175 48.8 38.8 58.2
254 10.6 8.8 13.2



#60
Isopropylbenzene
Concen: 54.283 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion:105 Resp: 426908
Ion Ratio Lower Upper
105 100
120 27.1 21.4 32.0
77 16.2 13.0 19.6

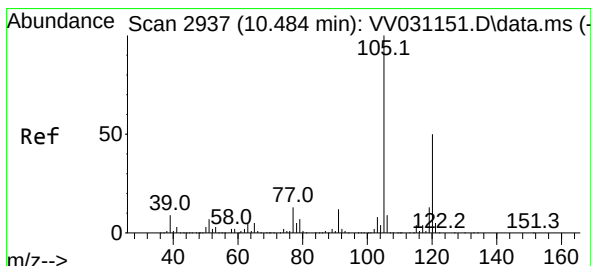
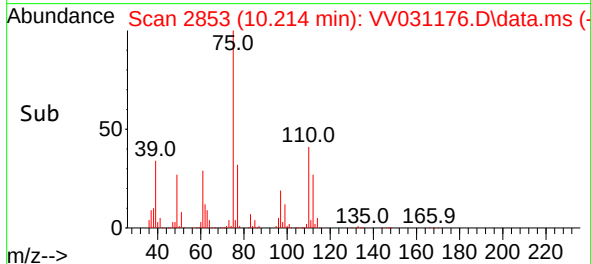
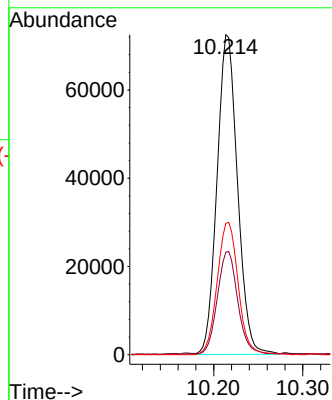
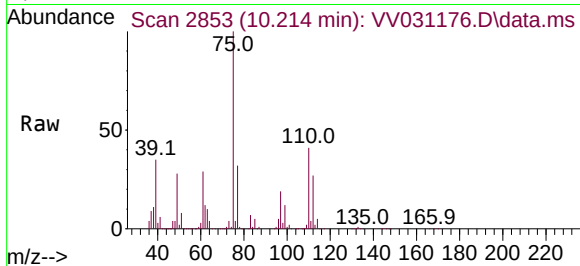




#61
 1,2,3-Trichloropropane
 Concen: 51.312 ug/L
 RT: 10.214 min Scan# 2853
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

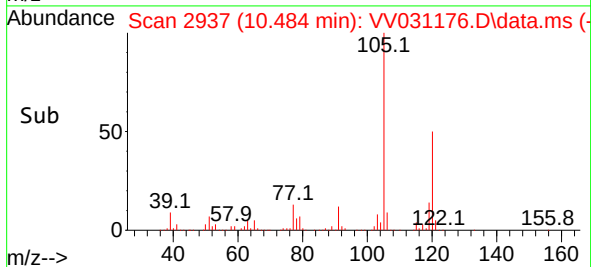
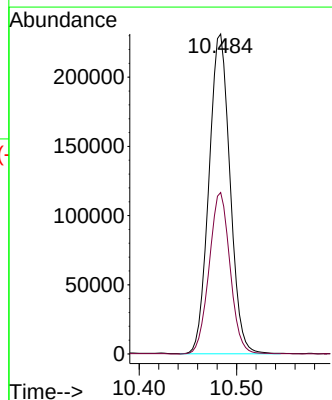
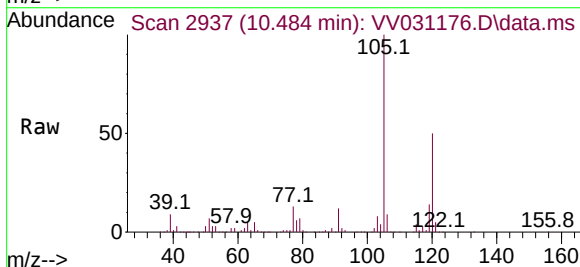
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

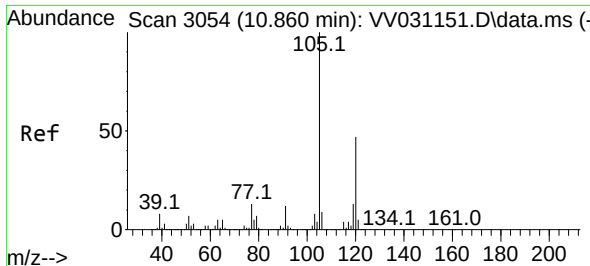
Tgt Ion: 75 Resp: 116080
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 110 42.4 32.5 48.7



#62
 1,3,5-Trimethylbenzene
 Concen: 53.677 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion: 105 Resp: 346995
 Ion Ratio Lower Upper
 105 100
 120 50.2 40.5 60.7

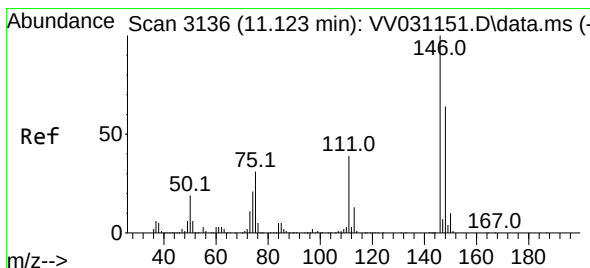
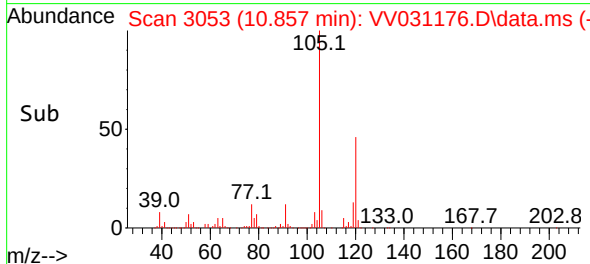
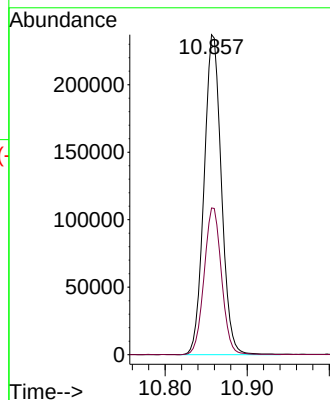
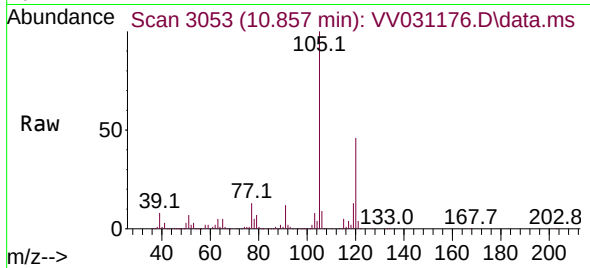




#63
 1,2,4-Trimethylbenzene
 Concen: 55.040 ug/L
 RT: 10.857 min Scan# 3053
 Delta R.T. -0.003 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

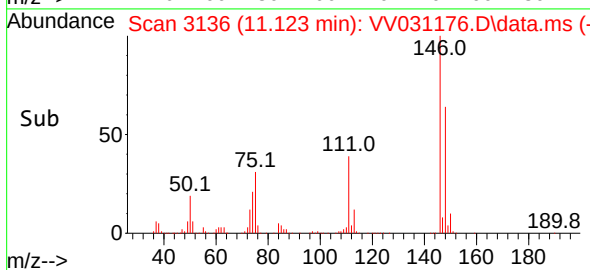
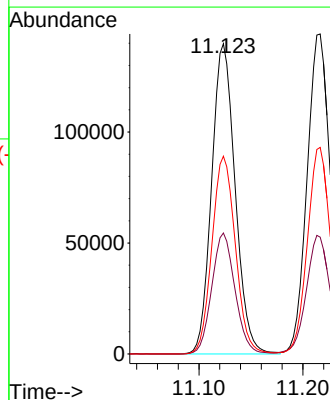
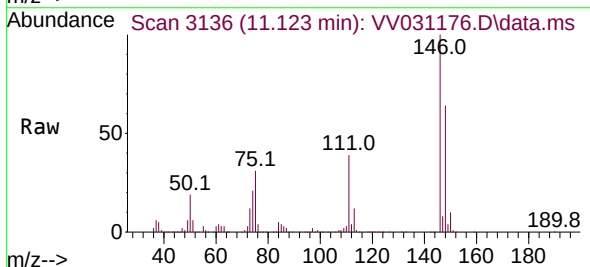
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

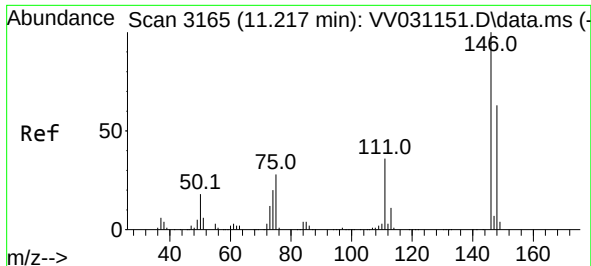
Tgt Ion:105 Resp: 347899
 Ion Ratio Lower Upper
 105 100
 120 46.1 37.5 56.3



#64
 1,3-Dichlorobenzene
 Concen: 54.511 ug/L
 RT: 11.123 min Scan# 3136
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion:146 Resp: 219662
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.2 50.4
 148 63.8 44.4 82.5

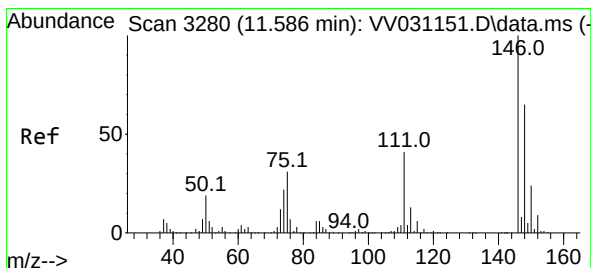
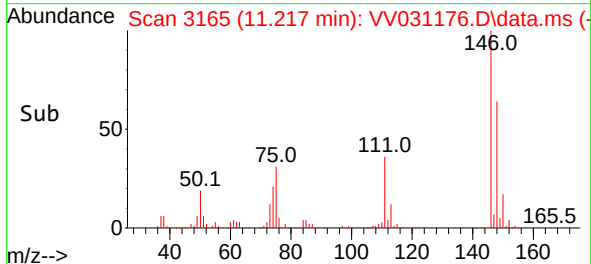
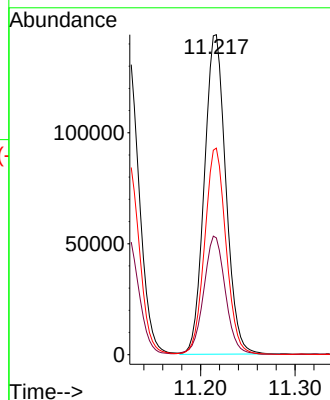
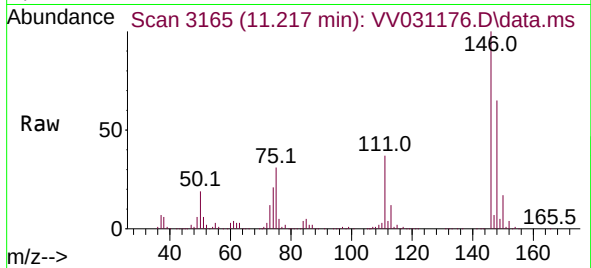




#65
 1,4-Dichlorobenzene
 Concen: 54.250 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

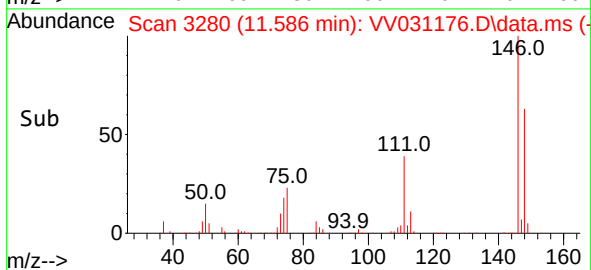
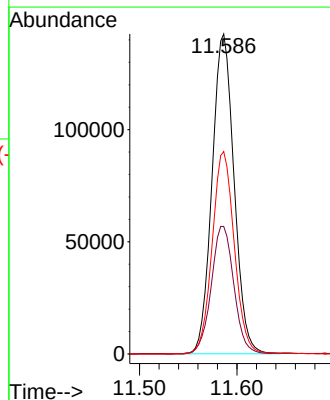
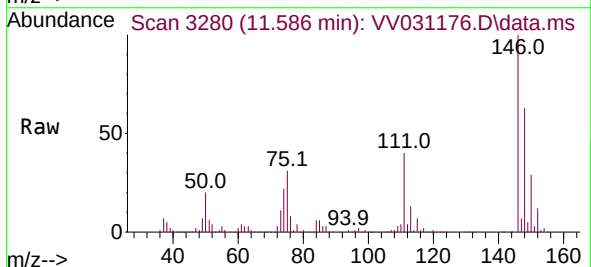
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

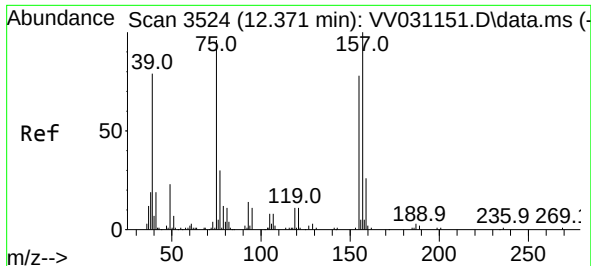
Tgt Ion:146 Resp: 227427
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.5 47.3
 148 64.5 44.5 82.7



#67
 1,2-Dichlorobenzene
 Concen: 54.753 ug/L
 RT: 11.586 min Scan# 3280
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion:146 Resp: 223876
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.4 47.2
 148 63.2 50.2 75.4

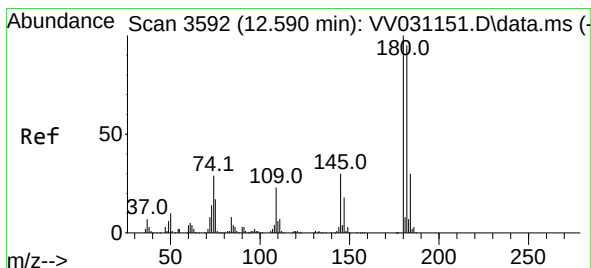
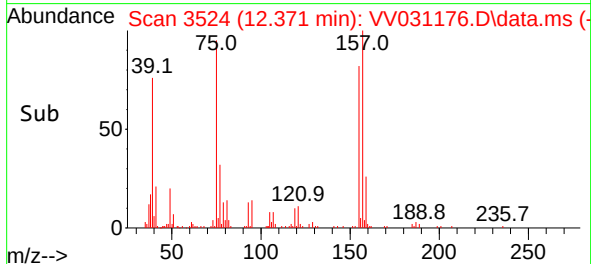
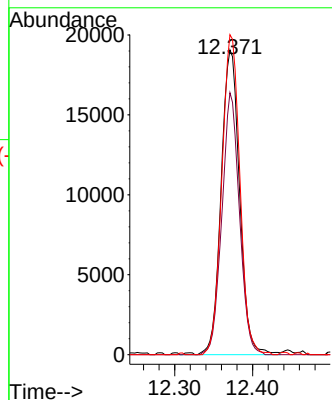
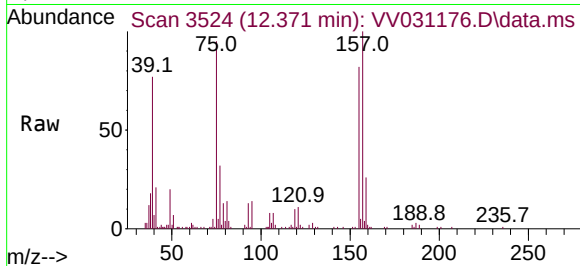




#68
 1,2-Dibromo-3-chloropropane
 Concen: 45.220 ug/L
 RT: 12.371 min Scan# 31402
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

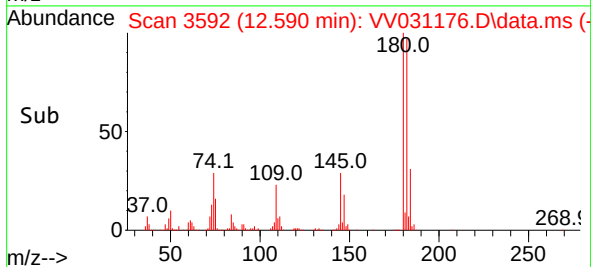
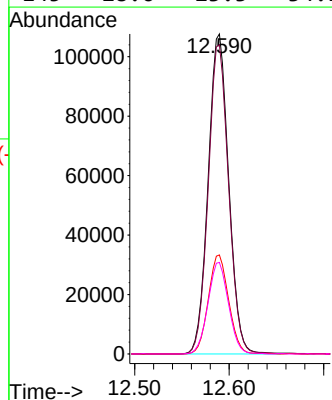
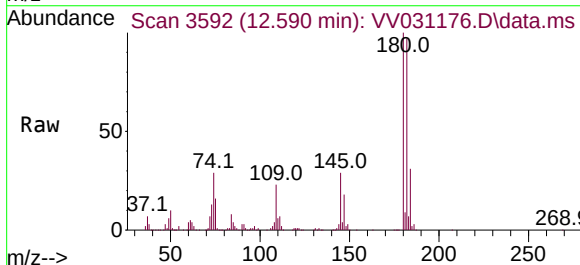
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

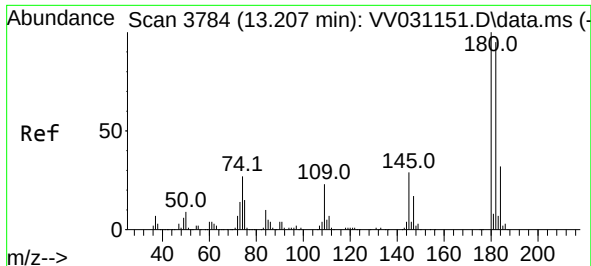
Tgt Ion:	75	Resp:	31402
Ion	Ratio	Lower	Upper
75	100		
155	85.9	70.9	106.3
157	105.0	88.1	132.1



#69
 1,3,5-Trichlorobenzene
 Concen: 52.202 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Tgt Ion:	180	Resp:	162616
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	30.7	24.6	37.0
145	28.6	23.3	34.9

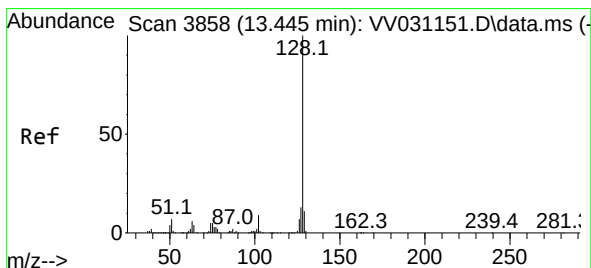
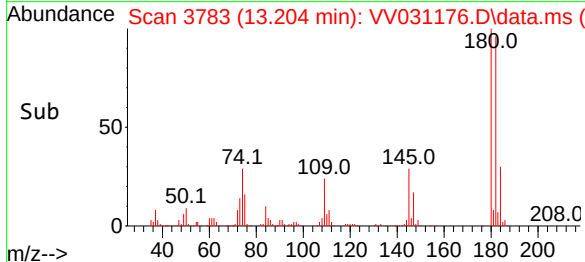
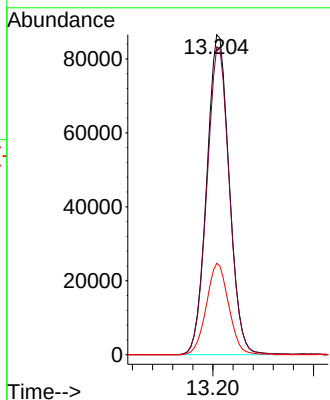
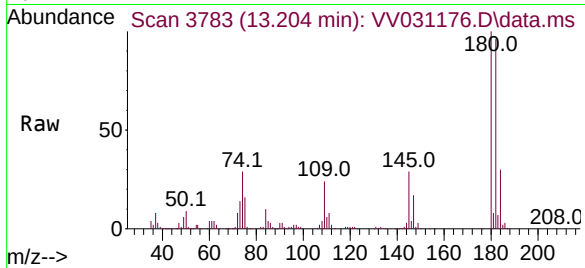




#70
1,2,4-trichlorobenzene
Concen: 50.608 ug/L
RT: 13.204 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

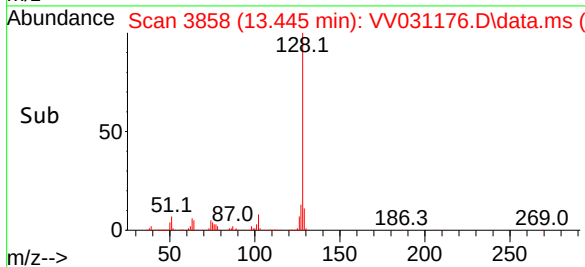
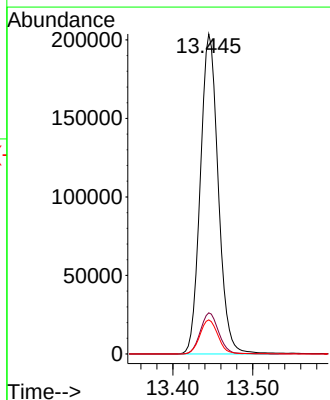
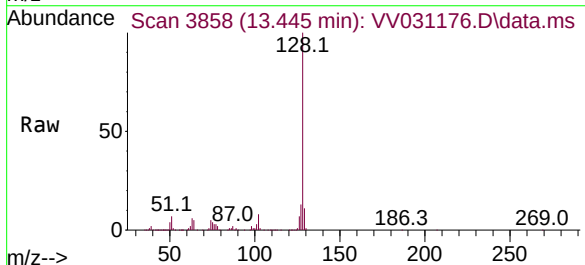
Instrument :
MSVOA_V
ClientSampleId :
VSTD050351

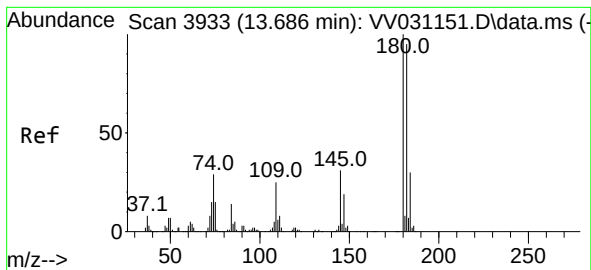
Tgt Ion:180 Resp: 134165
Ion Ratio Lower Upper
180 100
182 96.6 75.4 113.2
145 28.4 23.1 34.7



#71
Naphthalene
Concen: 46.183 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031176.D
Acq: 23 May 2023 09:25

Tgt Ion:128 Resp: 318019
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.7 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 51.625 ug/L
 RT: 13.686 min Scan# 3933
 Delta R.T. 0.000 min
 Lab File: VV031176.D
 Acq: 23 May 2023 09:25

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050351

Tgt Ion:180 Resp: 136764

Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.4	113.0
145	31.4	24.2	36.4

