

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022223\
 Data File : VW030082.D
 Acq On : 22 Feb 2023 16:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050286

Quant Time: Feb 22 23:18:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 22 23:16:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	338646	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	335255	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	206699	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	131545	54.636	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	109.280%	
7) Chloroethane-d5	1.535	69	114162	61.967	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	123.940%	
11) 1,1-Dichloroethene-d2	2.066	63	235230	51.071	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	102.140%	
21) 2-Butanone-d5	3.796	46	152993	101.822	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	101.820%	
24) Chloroform-d	4.256	84	245612	54.882	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	109.760%	
26) 1,2-Dichloroethane-d4	4.947	65	146018	55.199	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	110.400%	
32) Benzene-d6	4.966	84	476601	53.527	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	107.060%	
36) 1,2-Dichloropropane-d6	5.995	67	152199	53.757	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	107.520%	
41) Toluene-d8	7.249	98	441913	52.589	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	105.180%	
43) trans-1,3-Dichloroprop...	7.558	79	73792	52.445	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	104.900%	
47) 2-Hexanone-d5	8.030	63	130849	99.134	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	99.130%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	220907	52.016	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	104.040%	
66) 1,2-Dichlorobenzene-d4	11.570	152	187792	51.013	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	102.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	159034	44.366	ug/L	99
3) Chloromethane	1.217	50	235822	51.270	ug/L	100
5) Vinyl chloride	1.288	62	160554	50.125	ug/L	99
6) Bromomethane	1.490	94	33408	57.379	ug/L	98
8) Chloroethane	1.555	64	104475	55.902	ug/L	98
9) Trichlorofluoromethane	1.719	101	211881	49.902	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	128060	49.279	ug/L	99
12) 1,1-Dichloroethene	2.076	96	119330	51.046	ug/L	97
13) Acetone	2.124	43	119198	103.359	ug/L	98
14) Carbon disulfide	2.246	76	313716	45.383	ug/L	100
15) Methyl Acetate	2.378	43	134661	56.156	ug/L	99
16) Methylene chloride	2.452	84	147794	57.748	ug/L	99
17) trans-1,2-Dichloroethene	2.699	96	124405	52.059	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	448733	59.006	ug/L	100
19) 1,1-Dichloroethane	3.117	63	244138	55.429	ug/L	99
20) cis-1,2-Dichloroethene	3.821	96	149387	56.527	ug/L	99
22) 2-Butanone	3.876	43	177554	109.733	ug/L	97
23) Bromochloromethane	4.156	128	83006	58.910	ug/L	98
25) Chloroform	4.284	83	261079	58.144	ug/L	99

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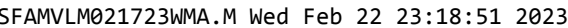
Instrument :
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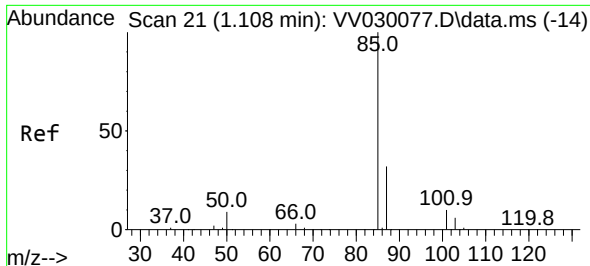
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	193308	57.642	ug/L	99
29) Cyclohexane	4.590	56	167050	42.761	ug/L	100
30) 1,1,1-Trichloroethane	4.519	97	210450	50.532	ug/L	99
31) Carbon tetrachloride	4.741	117	180316	49.319	ug/L	99
33) Benzene	5.018	78	523424	52.918	ug/L	100
34) Trichloroethene	5.837	95	135286	50.252	ug/L	97
35) Methylcyclohexane	6.059	83	183306	42.892	ug/L	98
37) 1,2-Dichloropropane	6.101	63	144765	55.574	ug/L	100
38) Bromodichloromethane	6.439	83	196936	56.287	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	241398	55.128	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	353779	109.245	ug/L	98
42) Toluene	7.320	91	555309	51.306	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	223976	56.242	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	154435	57.123	ug/L	99
46) Tetrachloroethene	7.911	164	112609	49.756	ug/L	98
48) 2-Hexanone	8.082	43	269554	108.006	ug/L	100
49) Dibromochloromethane	8.181	129	164852	58.813	ug/L	99
50) 1,2-Dibromoethane	8.288	107	167813	56.579	ug/L	100
51) Chlorobenzene	8.821	112	382933	53.088	ug/L	98
52) Ethylbenzene	8.953	91	609549	50.864	ug/L	99
53) m,p-Xylene	9.079	106	234219	51.155	ug/L	99
54) o-Xylene	9.484	106	233236	52.858	ug/L	99
55) Styrene	9.503	104	415470	55.117	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	250156	56.602	ug/L	100
59) Bromoform	9.670	173	127569	62.323	ug/L	99
60) Isopropylbenzene	9.876	105	615543	50.078	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	186418	54.510	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	517185	50.803	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	514691	51.440	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	322807	52.113	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	330944	52.215	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	323096	52.388	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	51121	51.236	ug/L	98
69) 1,3,5-Trichlorobenzene	12.593	180	241499	48.856	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	227826	49.037	ug/L	99
71) Naphthalene	13.448	128	676826	50.224	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	227697	49.938	ug/L	99

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

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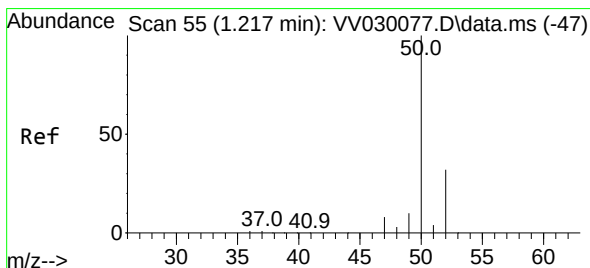
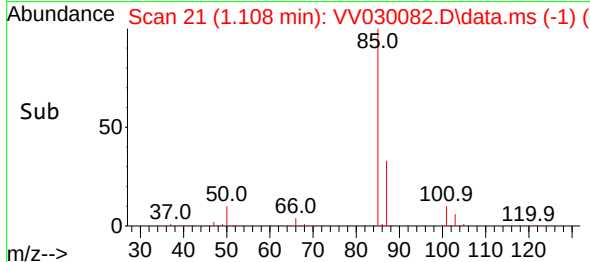
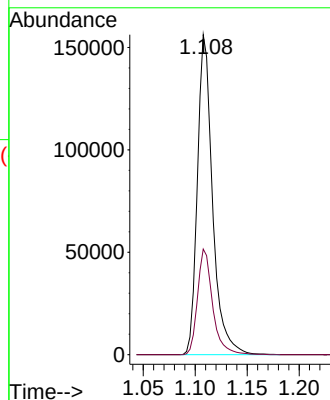
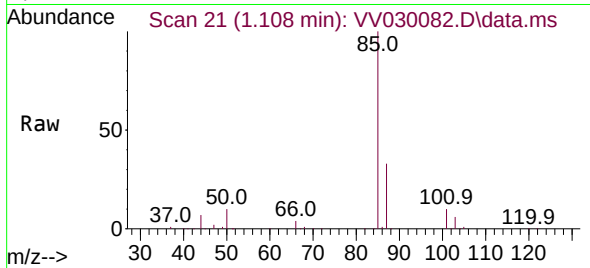




#2
 Dichlorodifluoromethane
 Concen: 44.366 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

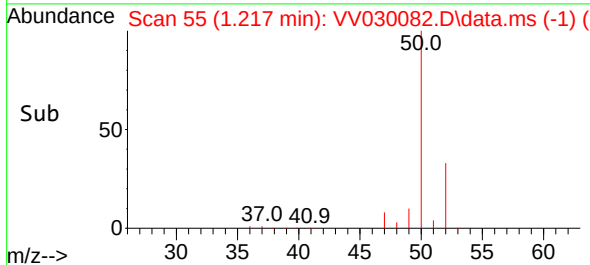
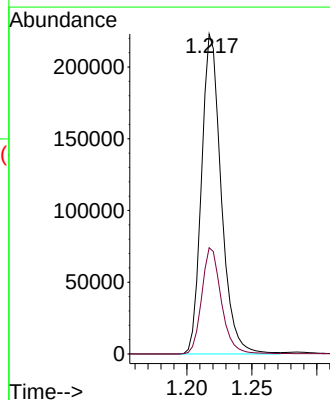
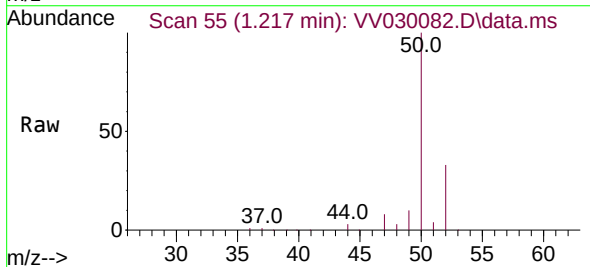
Instrument :
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 ClientSampleId :
 VSTD050286

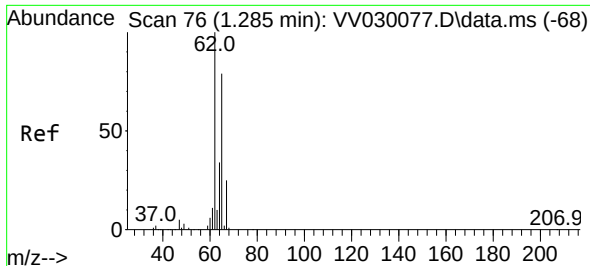
Tgt Ion: 85 Resp: 159034
 Ion Ratio Lower Upper
 85 100
 87 32.9 26.0 39.0



#3
 Chloromethane
 Concen: 51.270 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

Tgt Ion: 50 Resp: 235822
 Ion Ratio Lower Upper
 50 100
 52 33.2 23.4 43.4

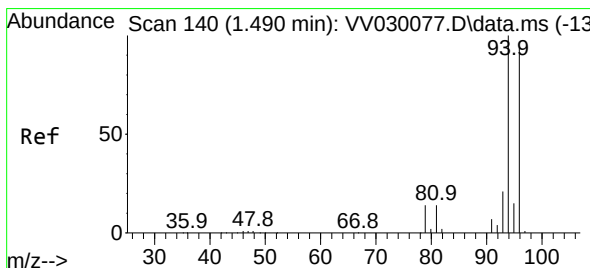
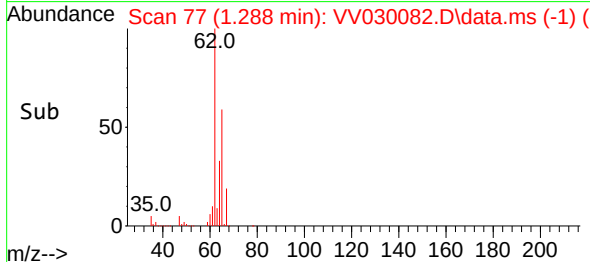
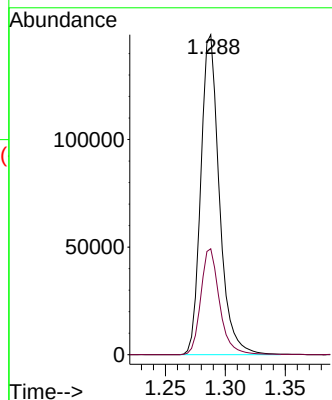
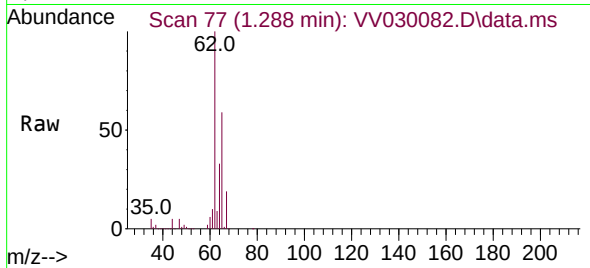




#5
 Vinyl chloride
 Concen: 50.125 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

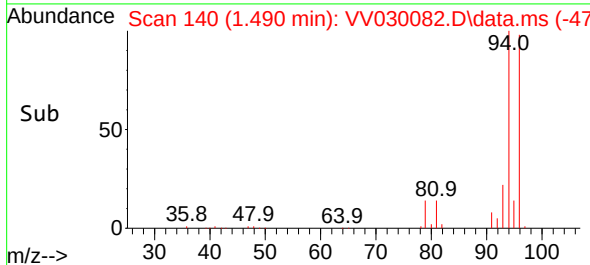
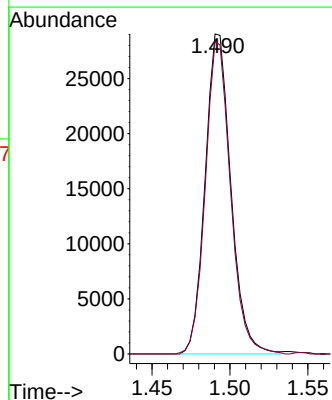
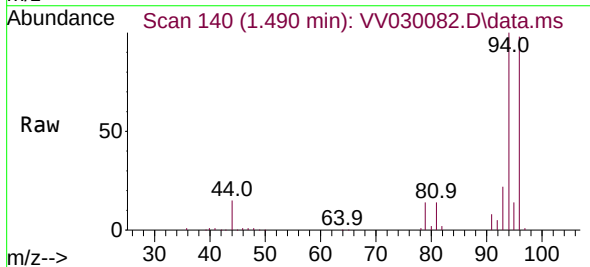
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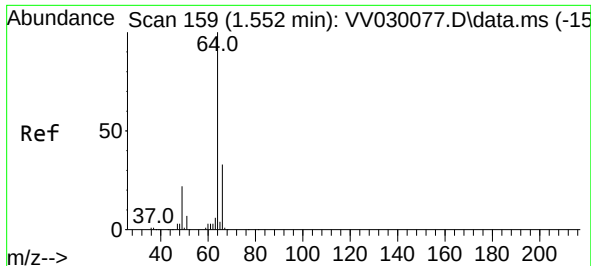
Tgt Ion: 62 Resp: 160554
 Ion Ratio Lower Upper
 62 100
 64 33.1 22.9 42.5



#6
 Bromomethane
 Concen: 57.379 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

Tgt Ion: 94 Resp: 33408
 Ion Ratio Lower Upper
 94 100
 96 97.6 66.7 123.9

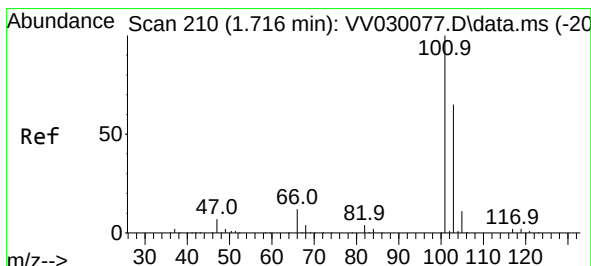
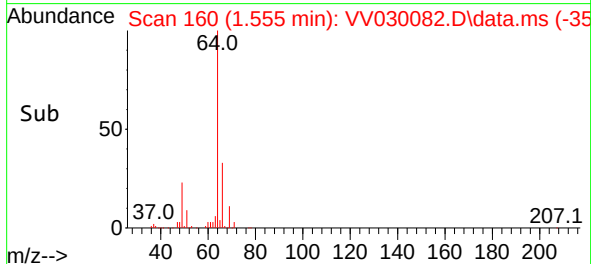
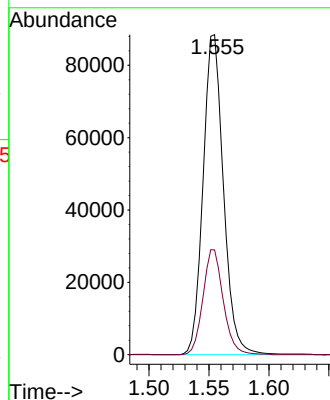
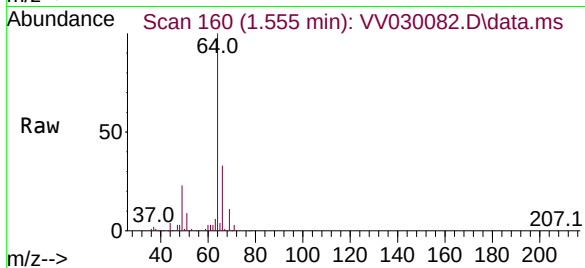




#8
Chloroethane
Concen: 55.902 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

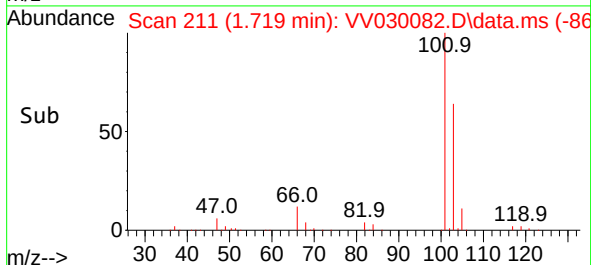
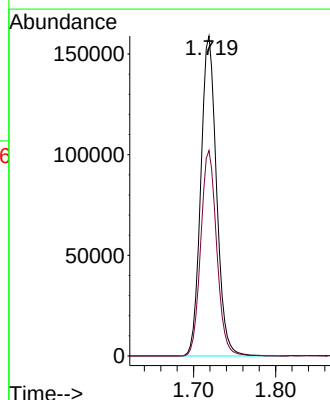
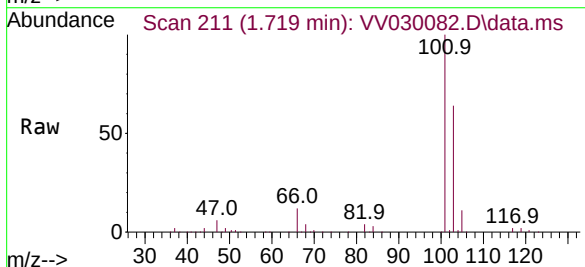
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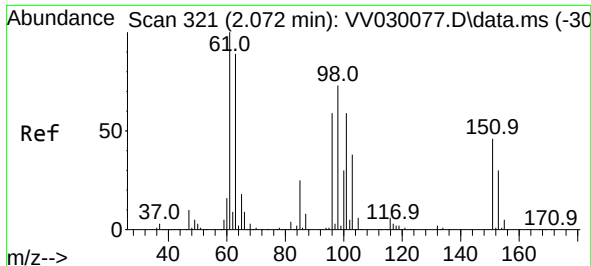
Tgt Ion: 64 Resp: 104475
Ion Ratio Lower Upper
64 100
66 32.7 22.3 41.3



#9
Trichlorofluoromethane
Concen: 49.902 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion:101 Resp: 211881
Ion Ratio Lower Upper
101 100
103 65.0 52.6 78.8

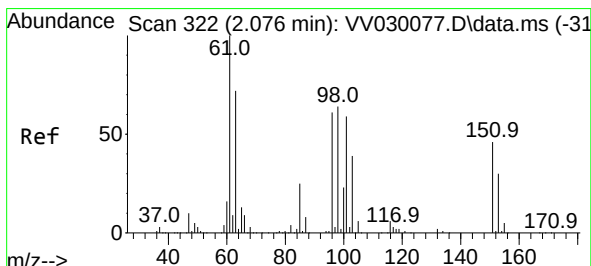
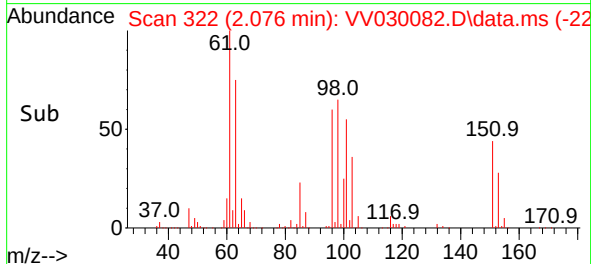
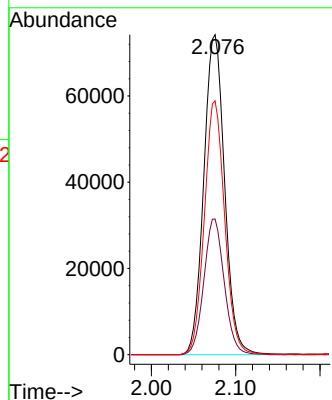
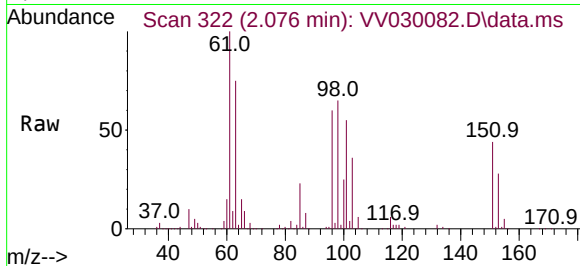




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 49.279 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

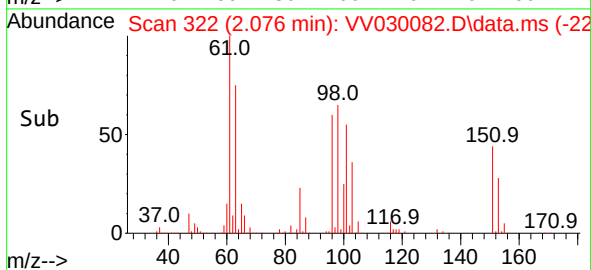
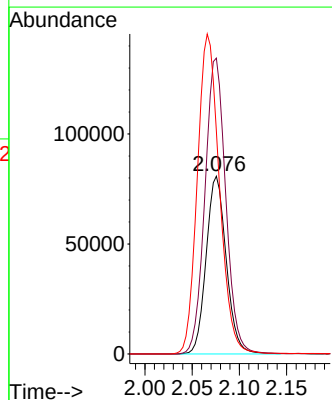
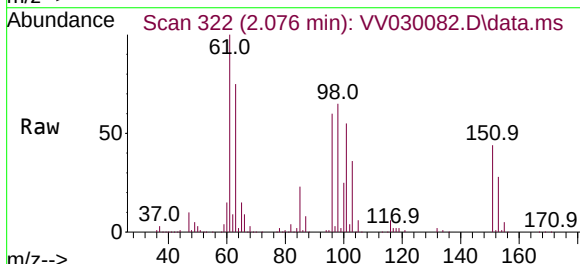
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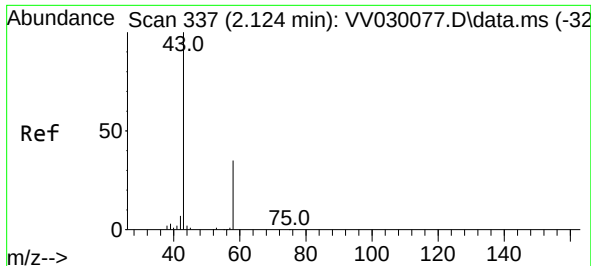
Tgt Ion:101 Resp: 128060
 Ion Ratio Lower Upper
 101 100
 85 41.5 33.4 50.2
 151 77.4 60.8 91.2



#12
 1,1-Dichloroethene
 Concen: 51.046 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. -0.000 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

Tgt Ion: 96 Resp: 119330
 Ion Ratio Lower Upper
 96 100
 61 166.4 115.8 215.2
 63 125.4 83.4 154.8





#13

Acetone

Concen: 103.359 ug/L

RT: 2.124 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

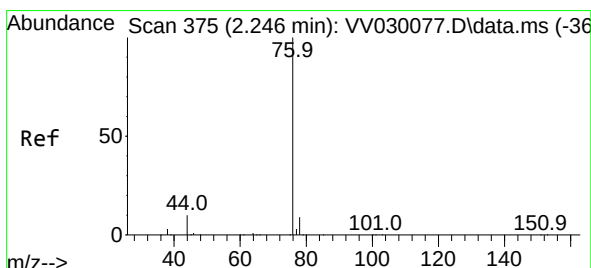
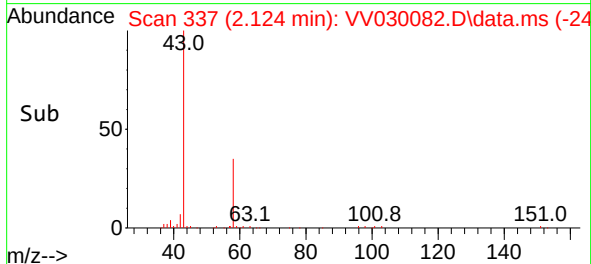
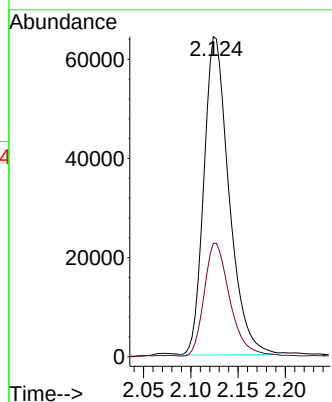
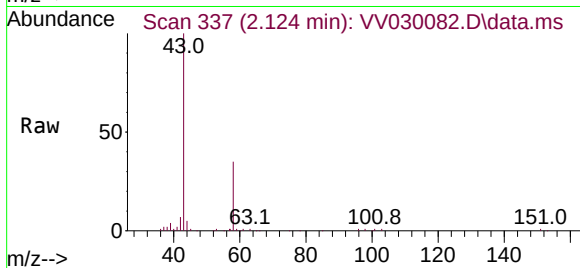
VSTD050286

Tgt Ion: 43 Resp: 119198

Ion Ratio Lower Upper

43 100

58 36.2 0.0 70.6



#14

Carbon disulfide

Concen: 45.383 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030082.D

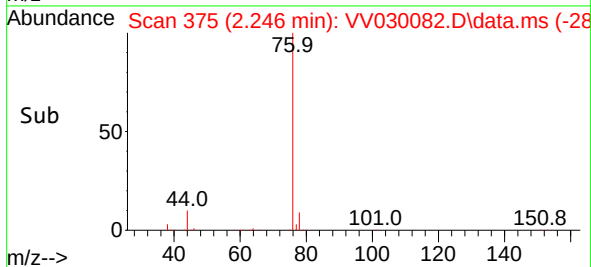
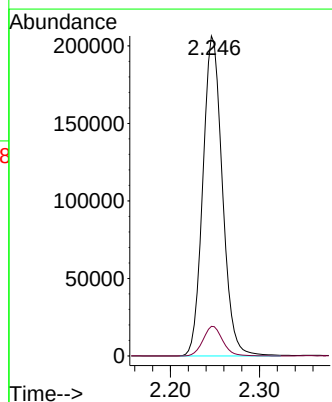
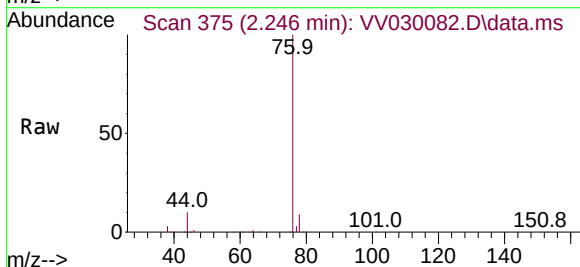
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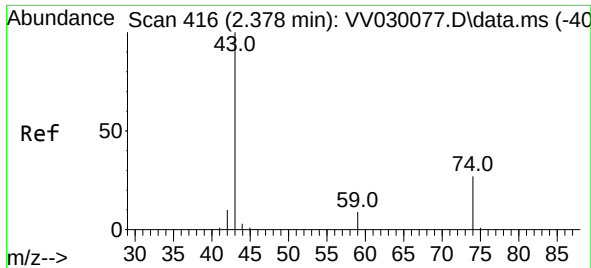
Tgt Ion: 76 Resp: 313716

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

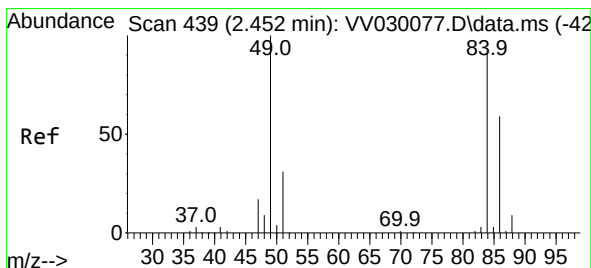
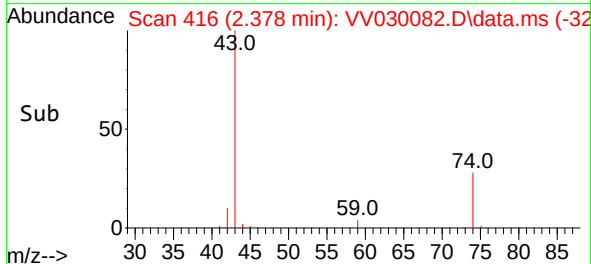
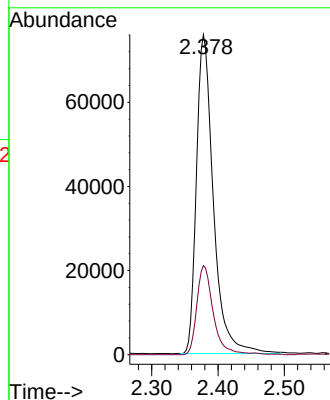
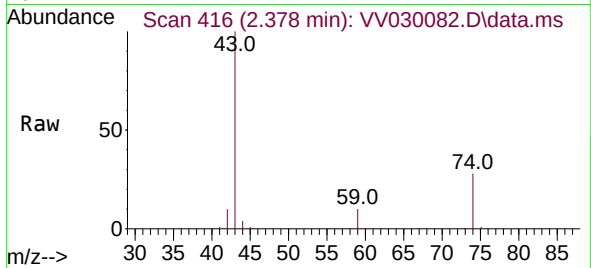




#15
Methyl Acetate
Concen: 56.156 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

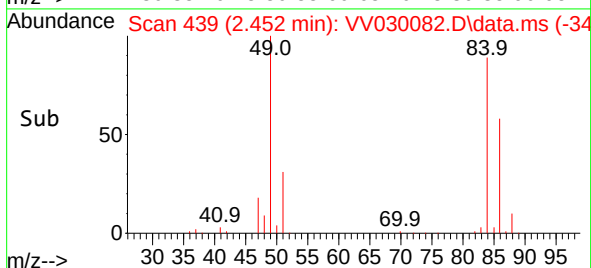
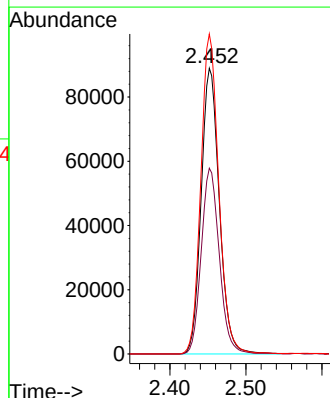
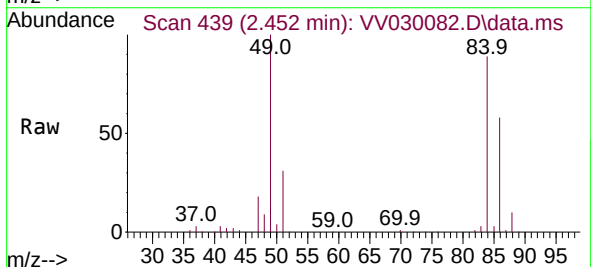
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

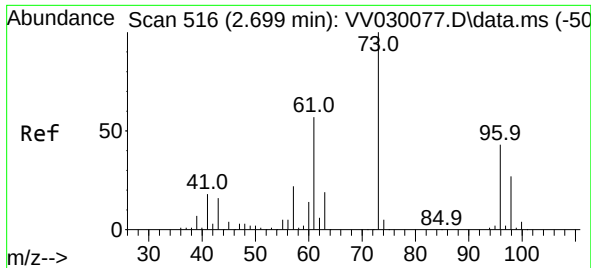
Tgt Ion: 43 Resp: 134661
Ion Ratio Lower Upper
43 100
74 26.9 21.9 32.9



#16
Methylene chloride
Concen: 57.748 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 84 Resp: 147794
Ion Ratio Lower Upper
84 100
86 65.0 45.1 83.7
49 112.0 78.7 146.1

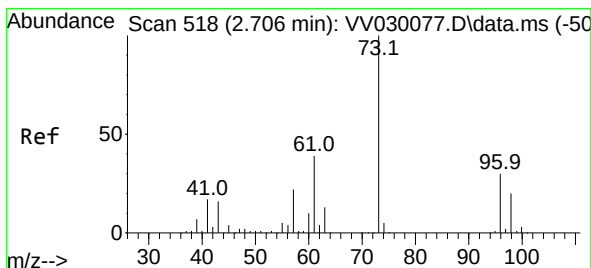
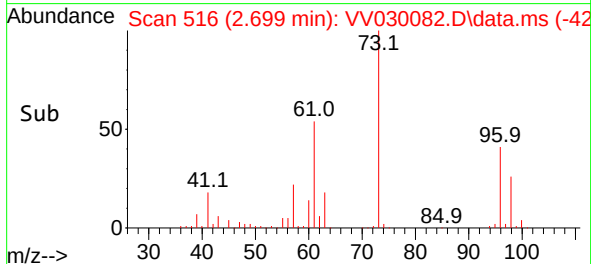
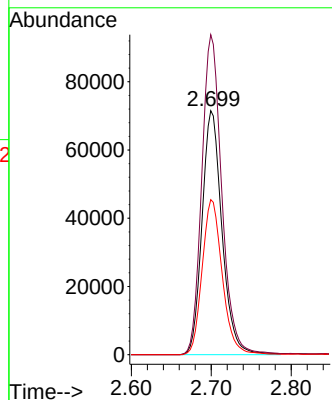
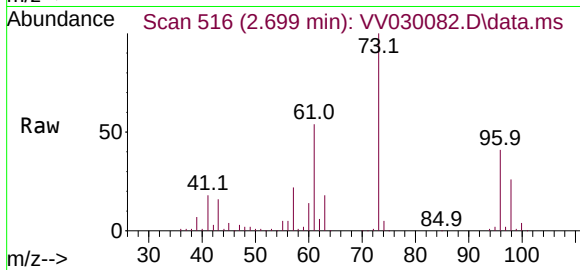




#17
trans-1,2-Dichloroethene
Concen: 52.059 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

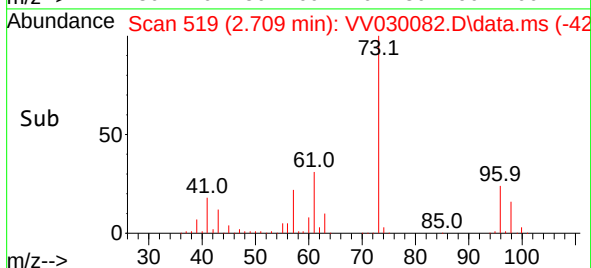
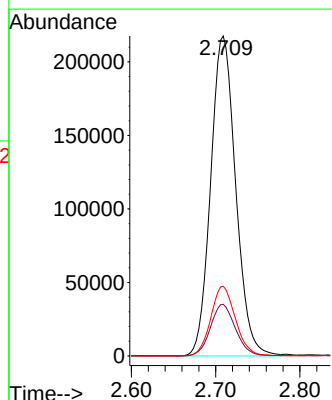
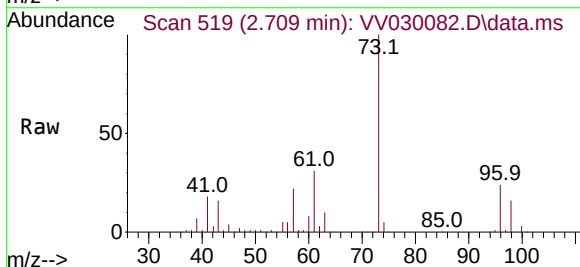
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

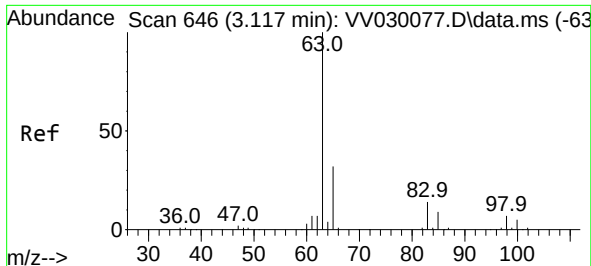
Tgt Ion: 96 Resp: 124405
Ion Ratio Lower Upper
96 100
61 131.1 93.3 173.3
98 63.5 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 59.006 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 73 Resp: 448733
Ion Ratio Lower Upper
73 100
43 16.0 12.7 19.1
57 21.6 17.0 25.4





#19

1,1-Dichloroethane

Concen: 55.429 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050286

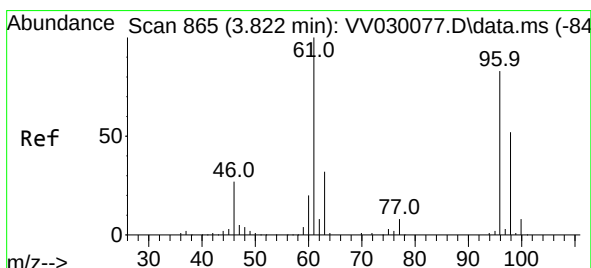
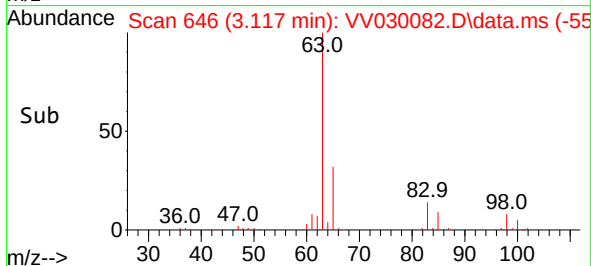
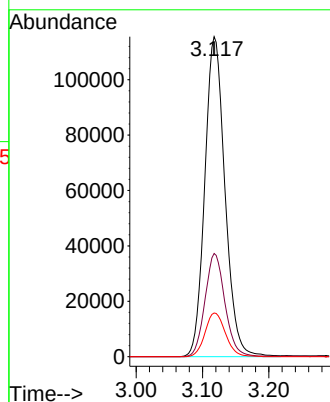
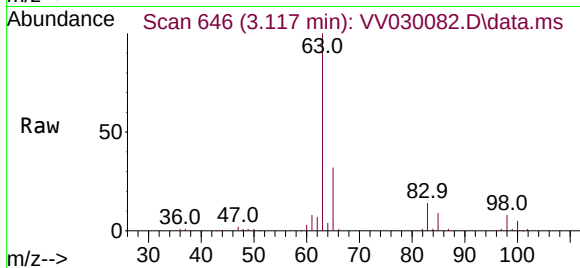
Tgt Ion: 63 Resp: 244138

Ion Ratio Lower Upper

63 100

65 32.3 22.0 41.0

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 56.527 ug/L

RT: 3.821 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

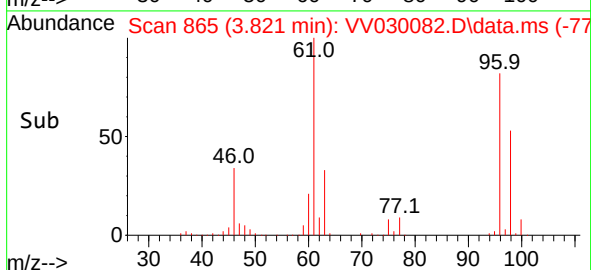
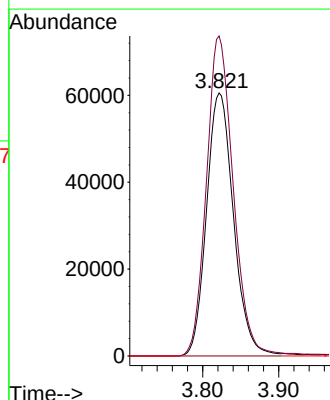
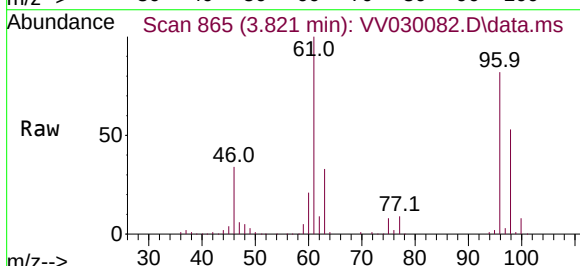
Tgt Ion: 96 Resp: 149387

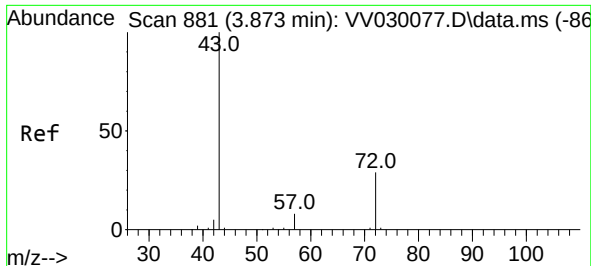
Ion Ratio Lower Upper

96 100

61 121.6 86.0 159.6

68 0.0 0.0 0.0

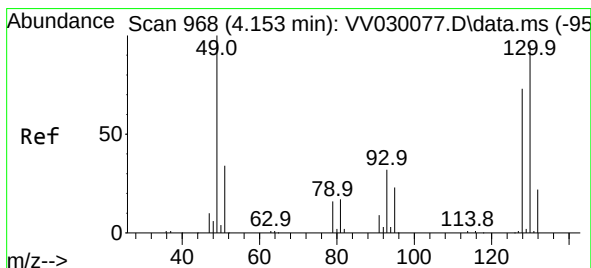
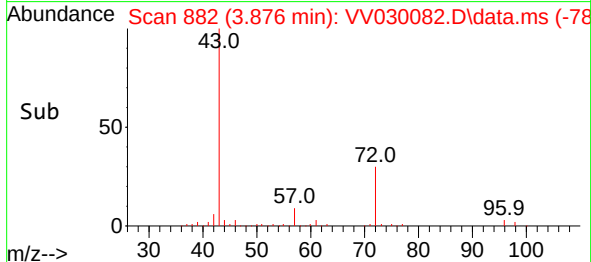
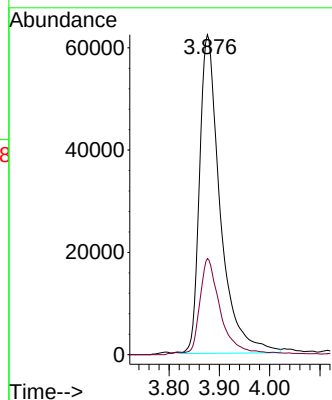
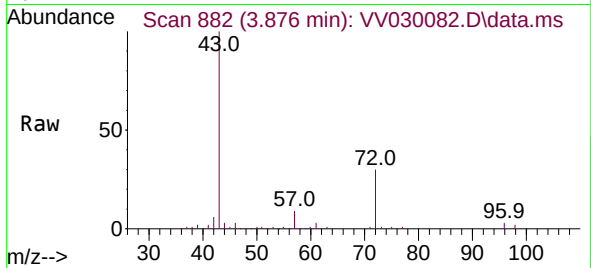




#22
2-Butanone
Concen: 109.733 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

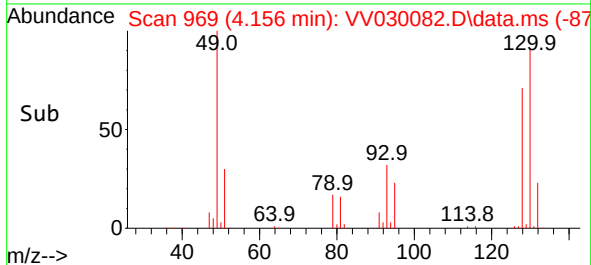
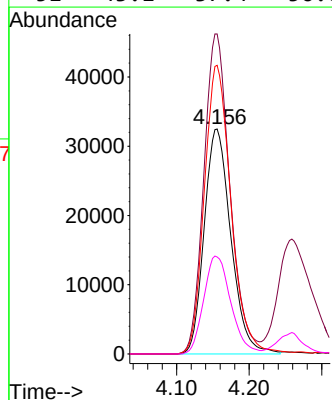
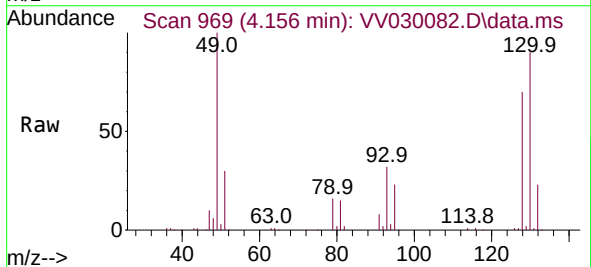
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

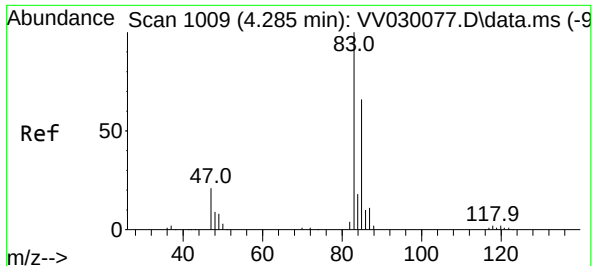
Tgt Ion: 43 Resp: 177554
Ion Ratio Lower Upper
43 100
72 28.0 14.7 44.1



#23
Bromochloromethane
Concen: 58.910 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion:128 Resp: 83006
Ion Ratio Lower Upper
128 100
49 142.3 101.0 187.6
130 128.3 88.2 163.8
51 43.1 37.4 56.0





#25

Chloroform

Concen: 58.144 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

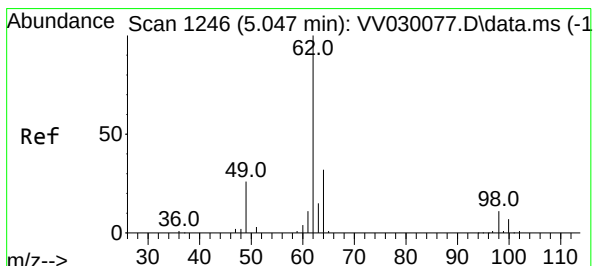
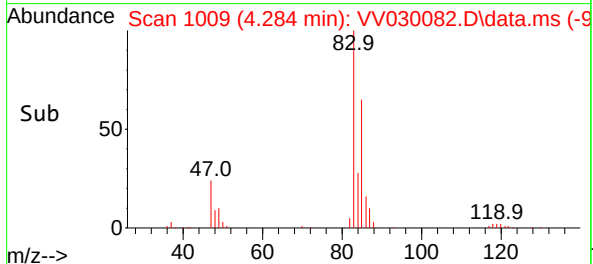
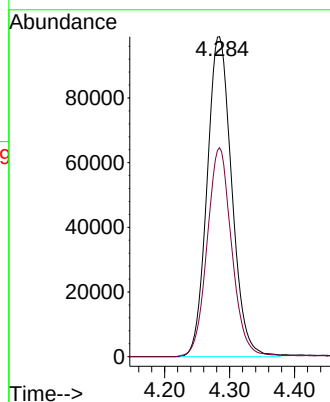
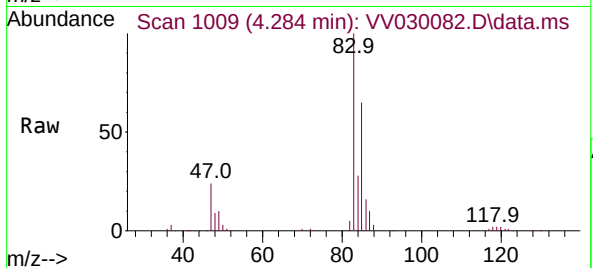
VSTD050286

Tgt Ion: 83 Resp: 261079

Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.4



#27

1,2-Dichloroethane

Concen: 57.642 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV030082.D

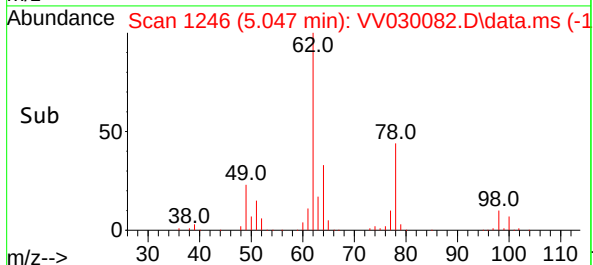
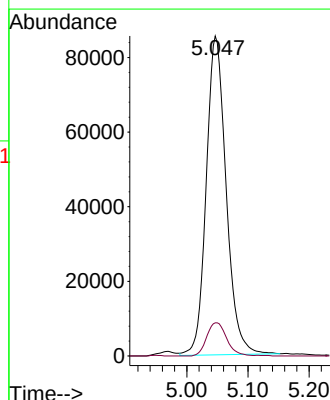
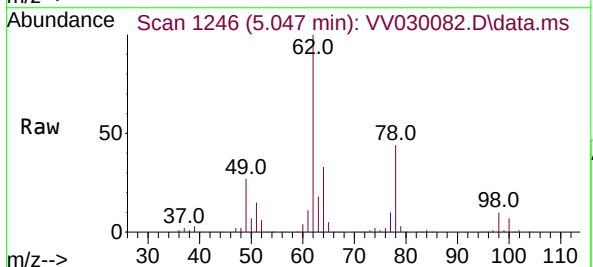
Acq: 22 Feb 2023 16:56

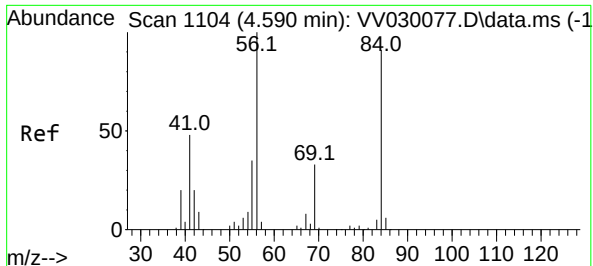
Tgt Ion: 62 Resp: 193308

Ion Ratio Lower Upper

62 100

98 10.3 8.5 12.7





#29

Cyclohexane

Concen: 42.761 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050286

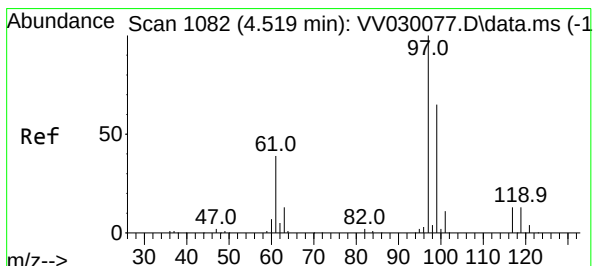
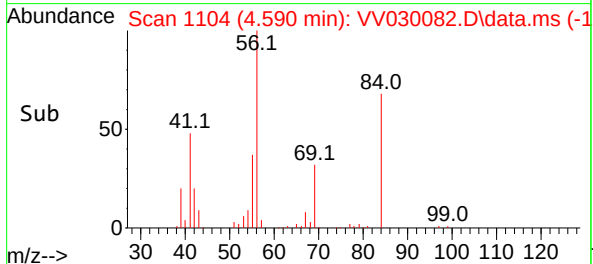
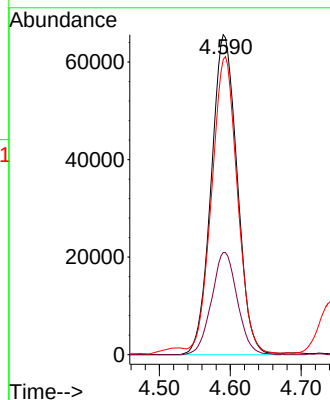
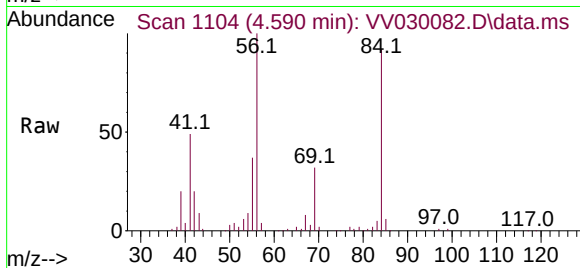
Tgt Ion: 56 Resp: 167050

Ion Ratio Lower Upper

56 100

69 31.7 25.3 37.9

84 91.6 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 50.532 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

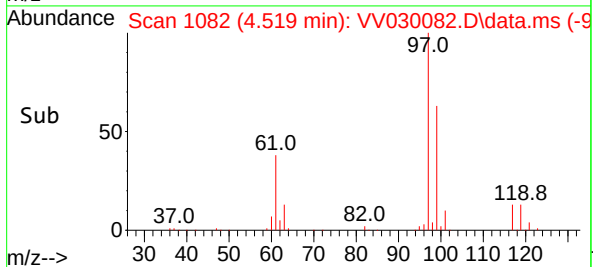
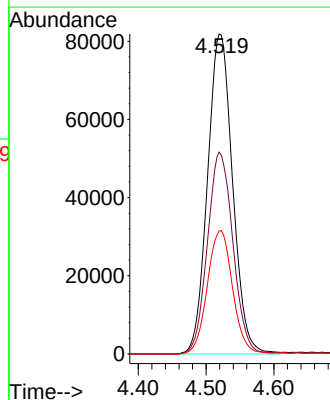
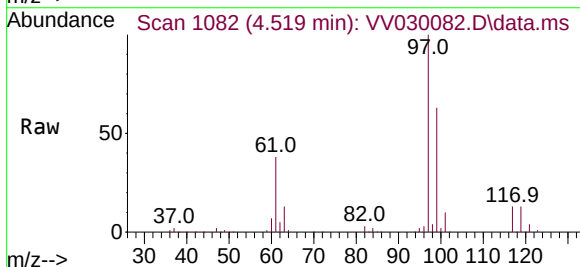
Tgt Ion: 97 Resp: 210450

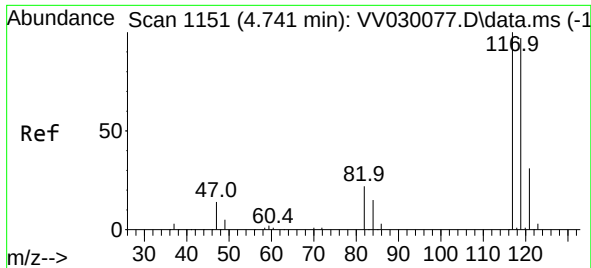
Ion Ratio Lower Upper

97 100

99 64.1 50.7 76.1

61 38.7 31.6 47.4

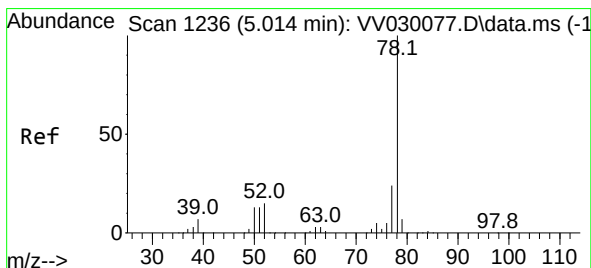
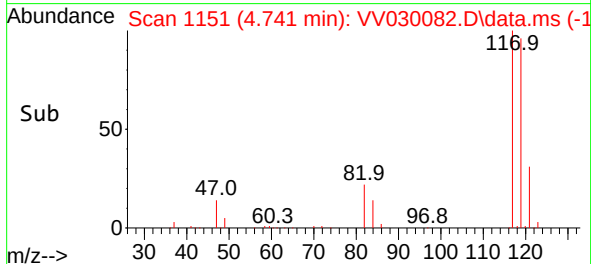
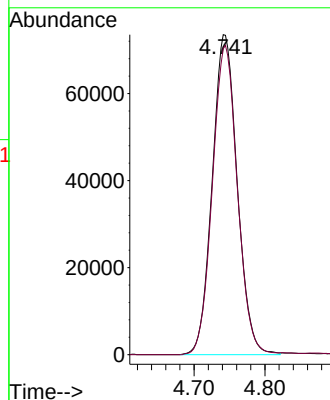
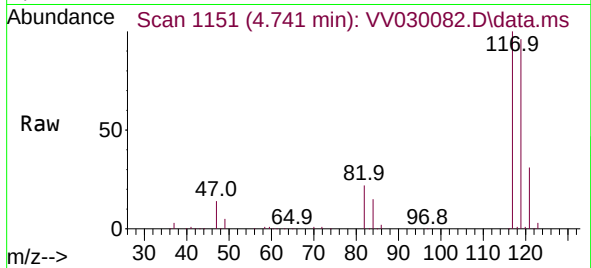




#31
Carbon tetrachloride
Concen: 49.319 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

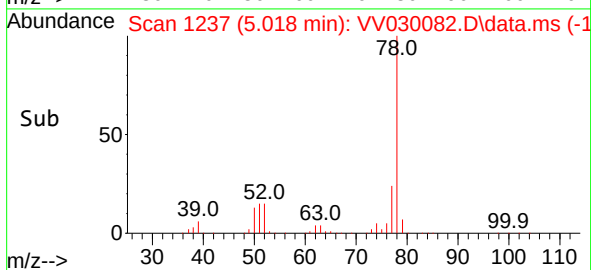
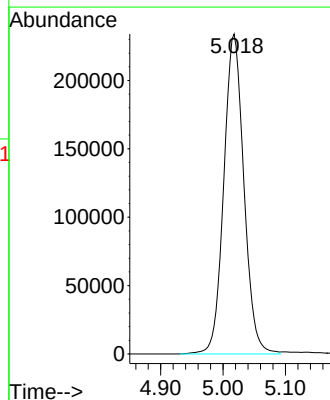
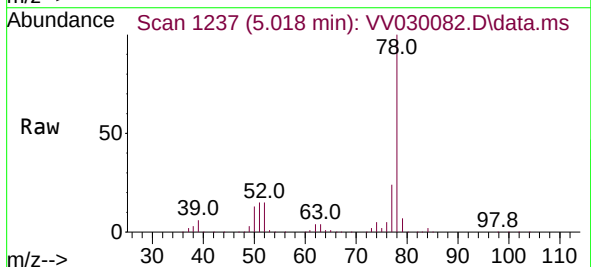
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

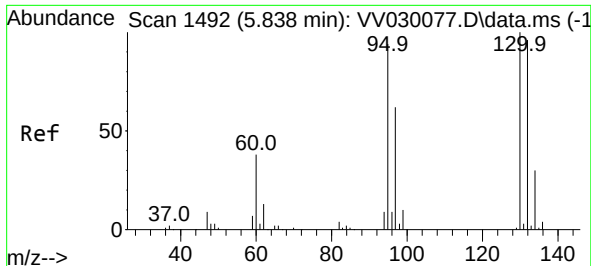
Tgt Ion:117 Resp: 180316
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2



#33
Benzene
Concen: 52.918 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 78 Resp: 523424



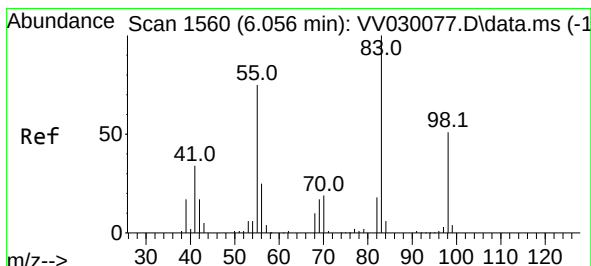
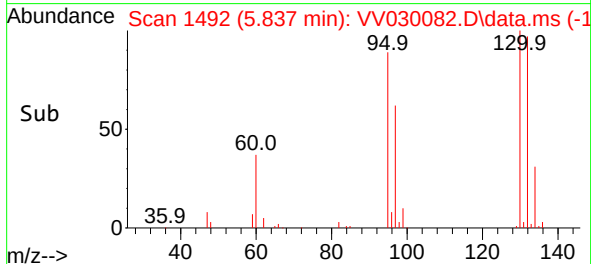
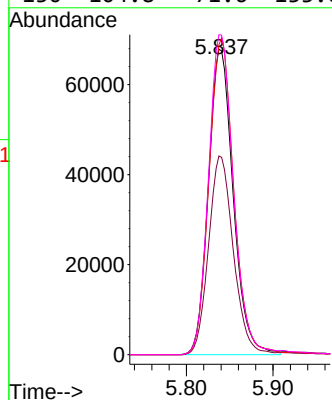
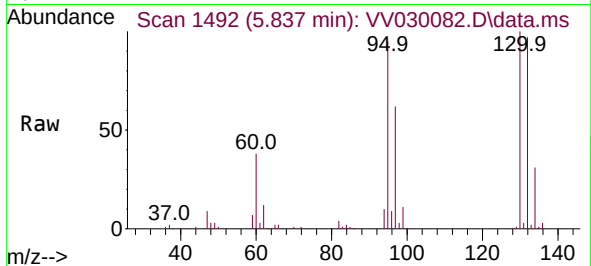


#34
Trichloroethene
Concen: 50.252 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

Tgt Ion: 95 Resp: 135286

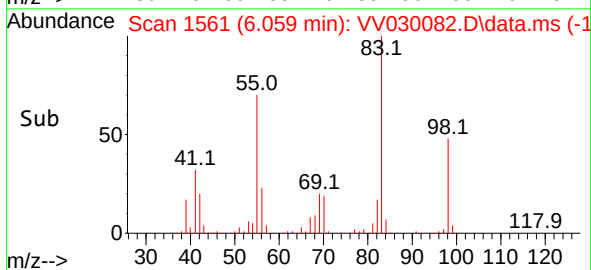
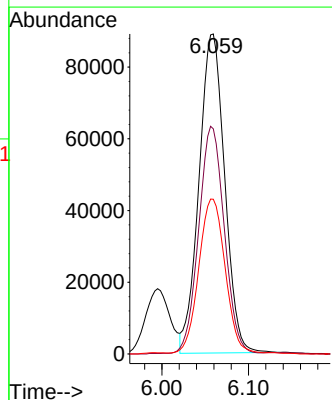
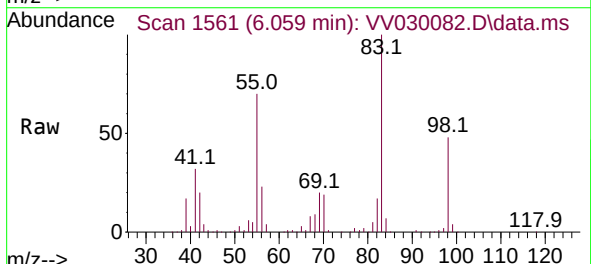
Ion	Ratio	Lower	Upper
95	100		
97	65.1	44.1	81.9
132	101.5	68.3	126.9
130	104.8	71.6	133.0

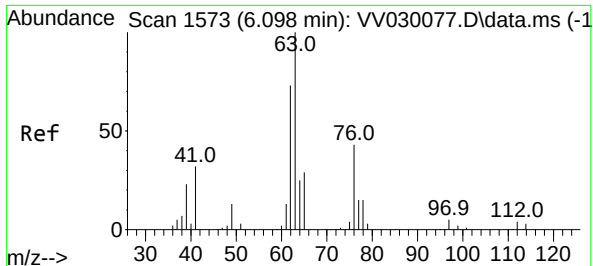


#35
Methylcyclohexane
Concen: 42.892 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 83 Resp: 183306

Ion	Ratio	Lower	Upper
83	100		
55	71.0	58.4	87.6
98	49.5	39.8	59.8





#37

1,2-Dichloropropane

Concen: 55.574 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

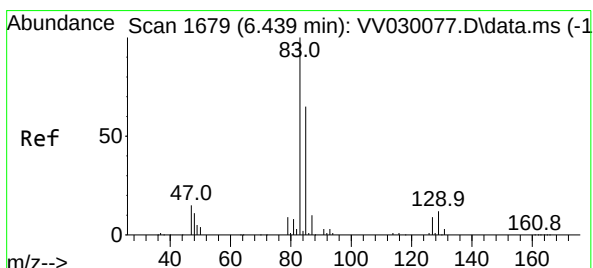
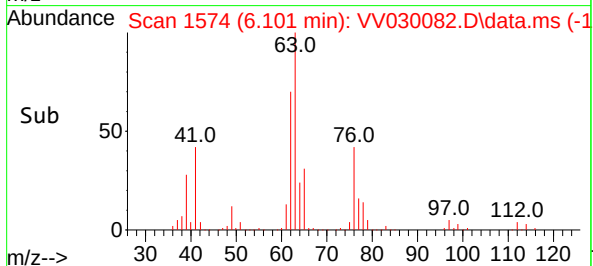
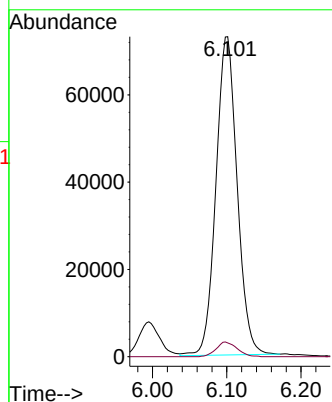
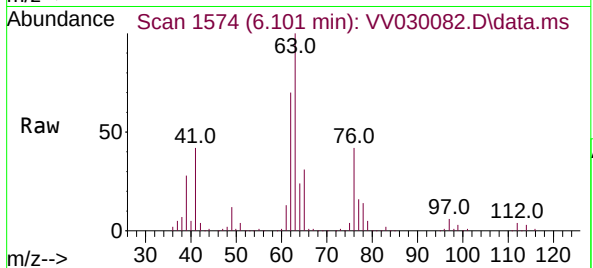
VSTD050286

Tgt Ion: 63 Resp: 144765

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 56.287 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

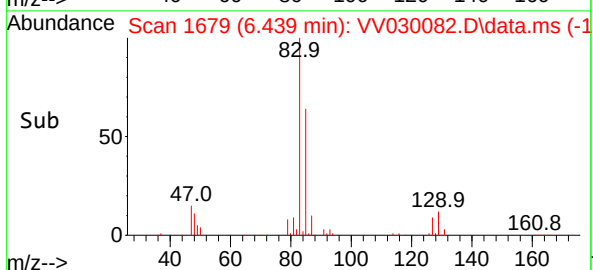
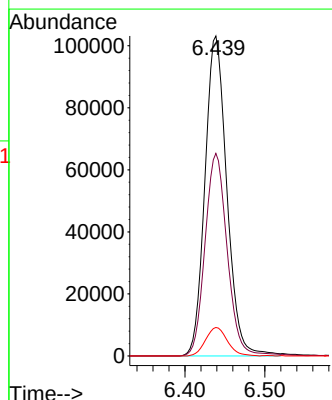
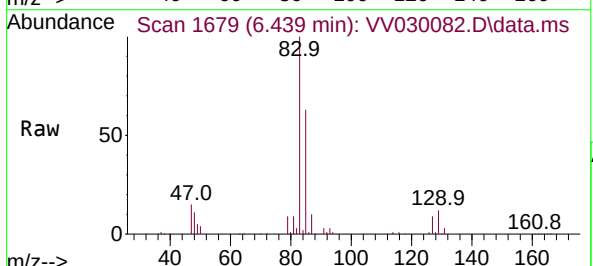
Tgt Ion: 83 Resp: 196936

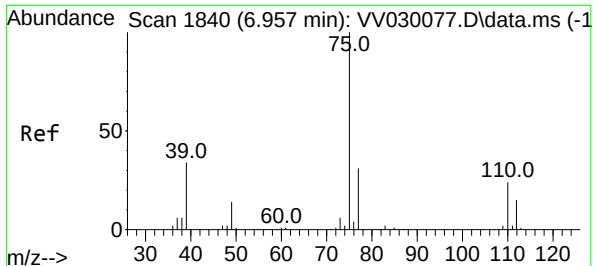
Ion Ratio Lower Upper

83 100

85 63.3 44.9 83.5

127 8.9 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 55.128 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

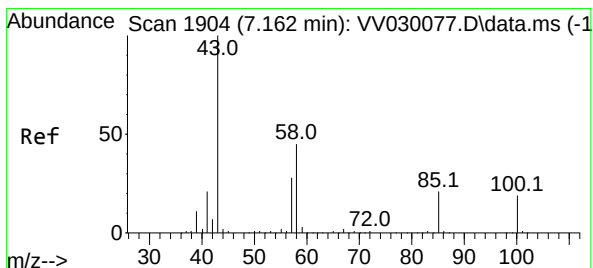
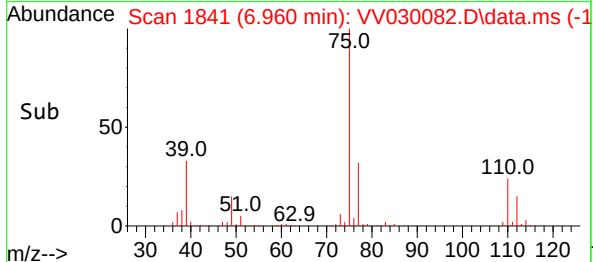
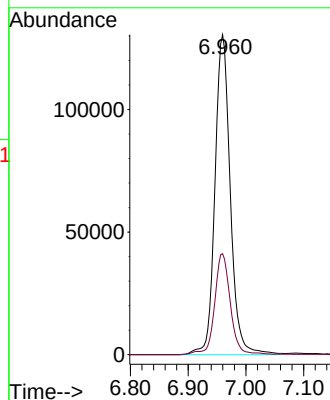
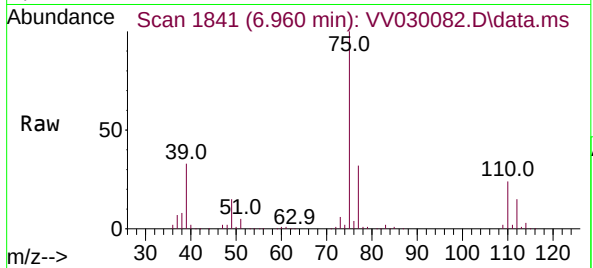
VSTD050286

Tgt Ion: 75 Resp: 241398

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 109.245 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

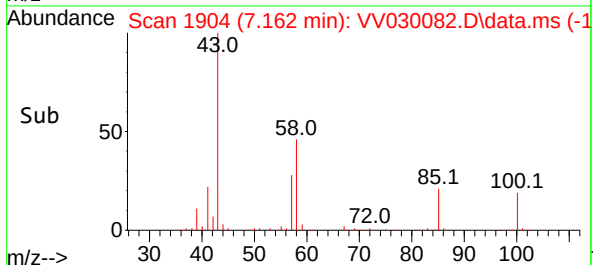
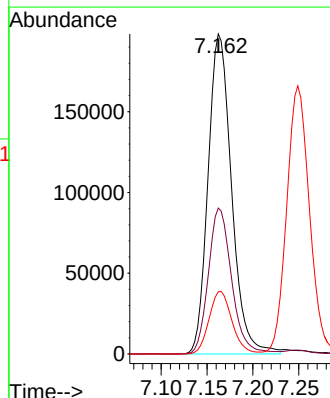
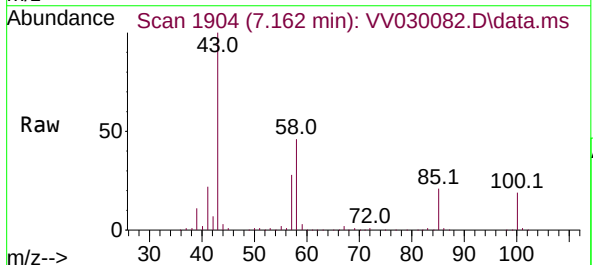
Tgt Ion: 43 Resp: 353779

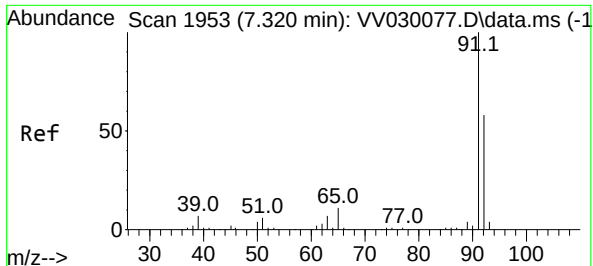
Ion Ratio Lower Upper

43 100

58 45.1 34.8 52.2

100 19.1 14.6 22.0





#42

Toluene

Concen: 51.306 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

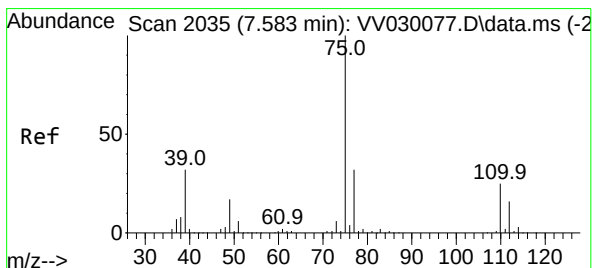
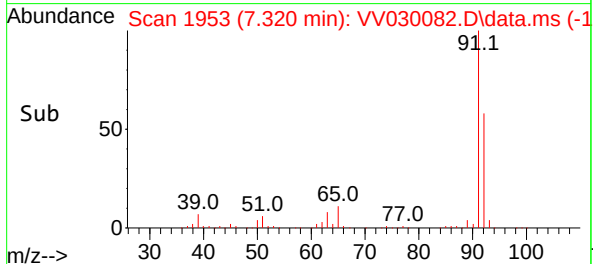
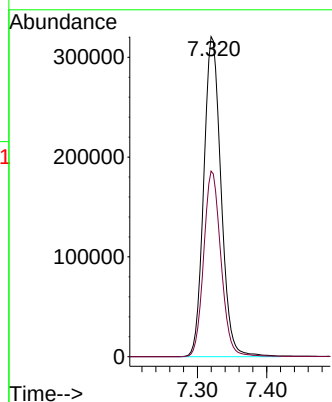
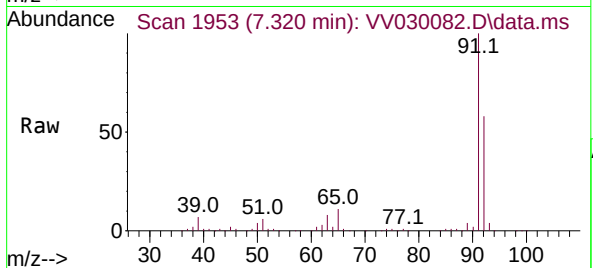
VSTD050286

Tgt Ion: 91 Resp: 555309

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 56.242 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.003 min

Lab File: VV030082.D

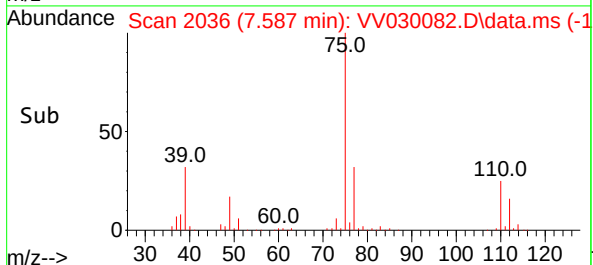
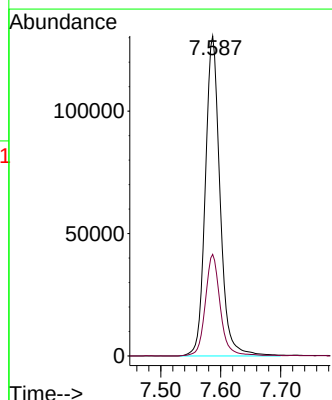
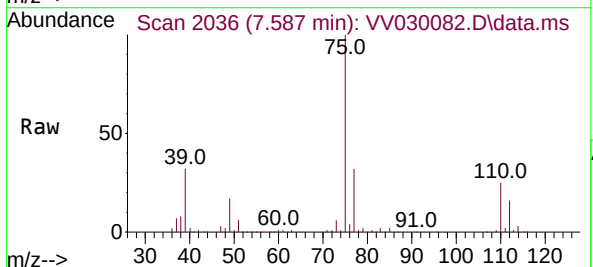
Acq: 22 Feb 2023 16:56

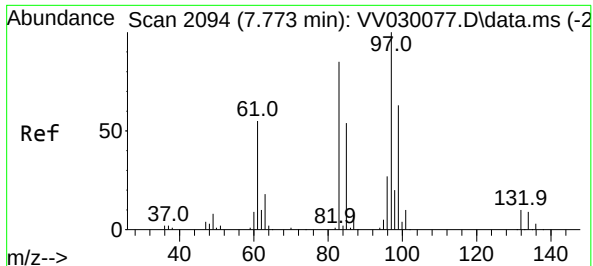
Tgt Ion: 75 Resp: 223976

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 57.123 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050286

Tgt Ion: 97 Resp: 154435

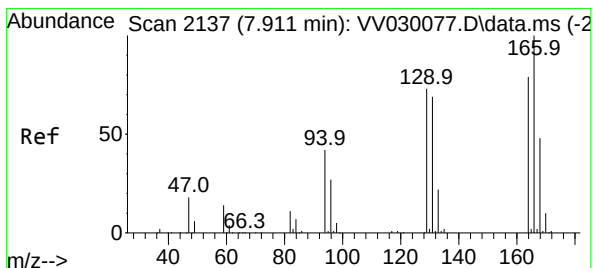
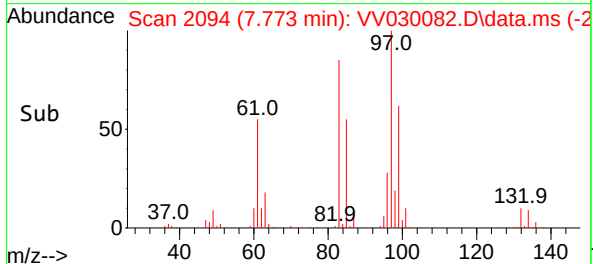
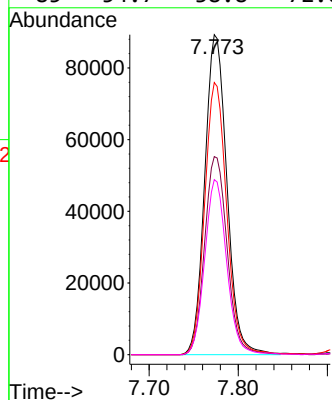
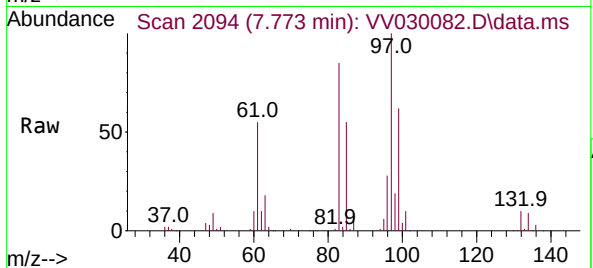
Ion Ratio Lower Upper

97 100

99 61.9 43.8 81.4

83 85.1 59.9 111.3

85 54.7 38.8 72.0



#46

Tetrachloroethene

Concen: 49.756 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Tgt Ion:164 Resp: 112609

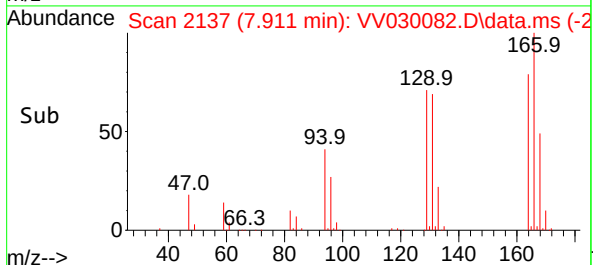
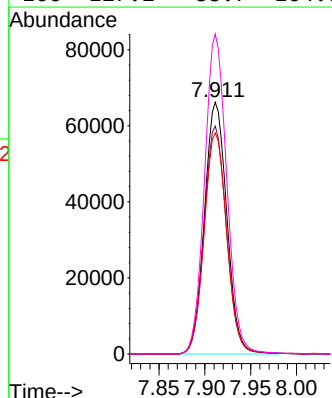
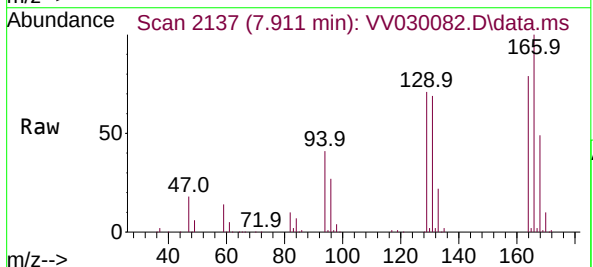
Ion Ratio Lower Upper

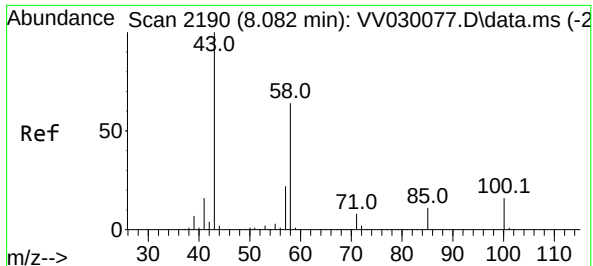
164 100

129 90.5 65.2 121.0

131 87.9 63.1 117.3

166 127.2 88.7 164.7



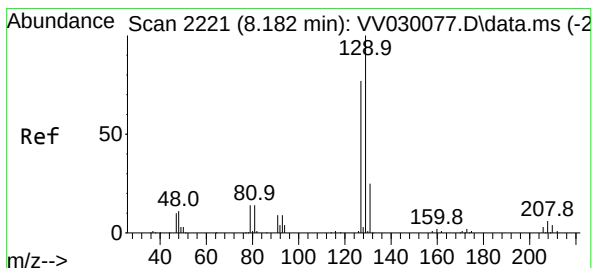
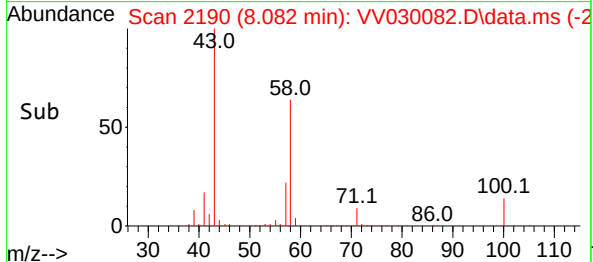
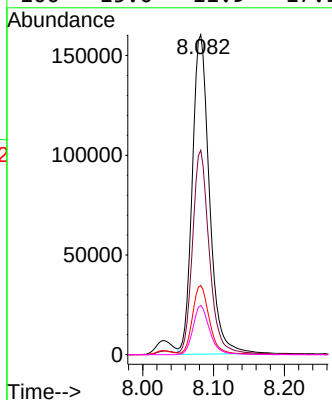
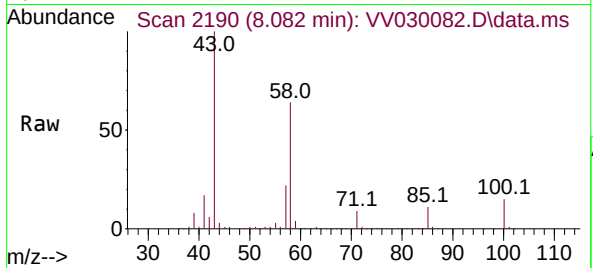


#48
2-Hexanone
Concen: 108.006 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

Tgt Ion: 43 Resp: 269554

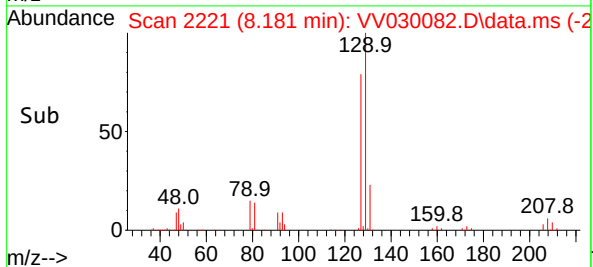
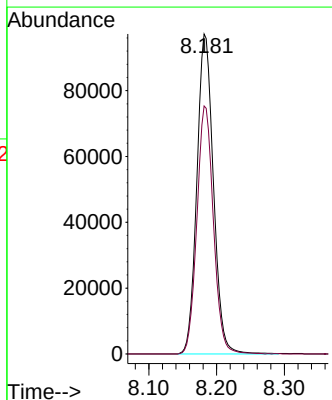
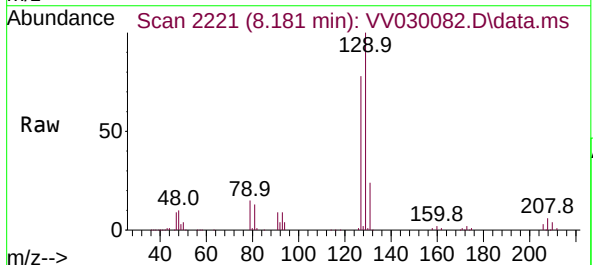
Ion	Ratio	Lower	Upper
43	100		
58	62.0	49.9	74.9
57	21.5	17.4	26.0
100	15.0	11.9	17.9

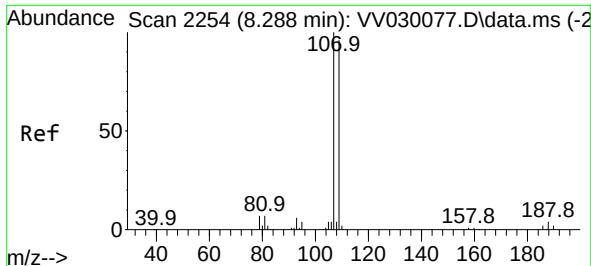


#49
Dibromochloromethane
Concen: 58.813 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 129 Resp: 164852

Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.9	102.1





#50

1,2-Dibromoethane

Concen: 56.579 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050286

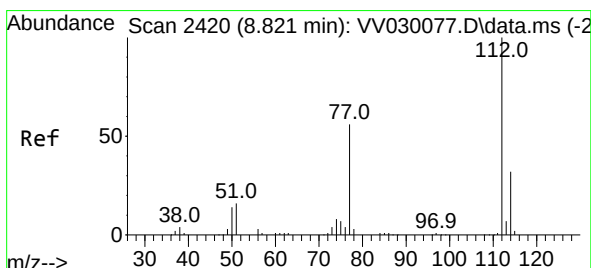
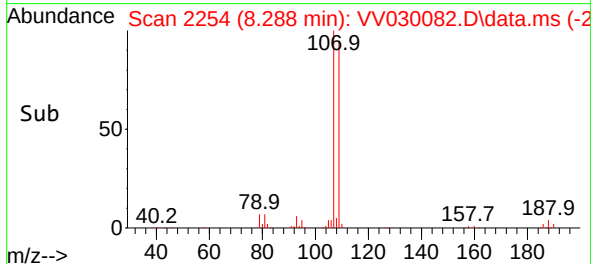
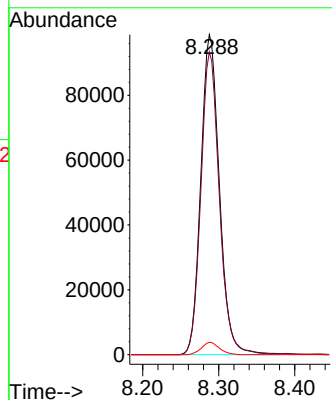
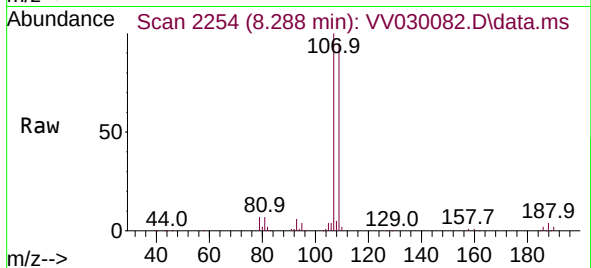
Tgt Ion:107 Resp: 167813

Ion Ratio Lower Upper

107 100

109 94.7 66.0 122.6

188 3.9 3.4 5.0



#51

Chlorobenzene

Concen: 53.088 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

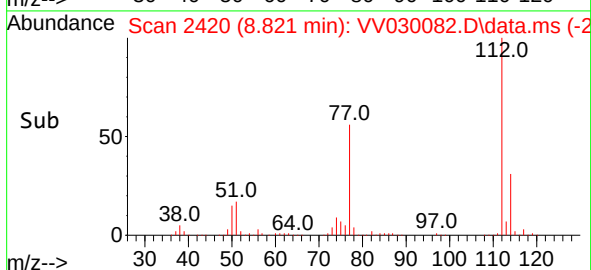
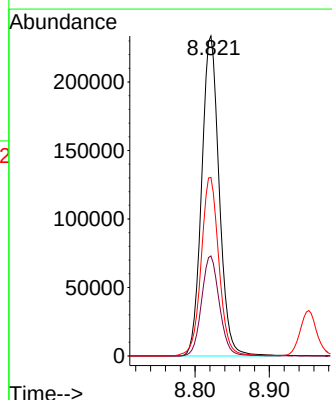
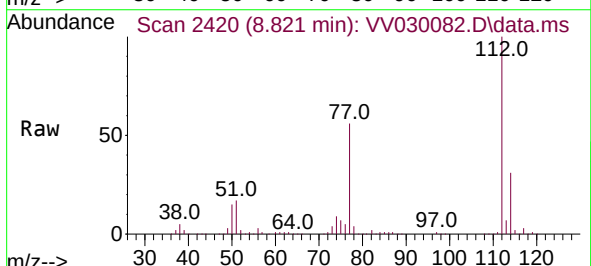
Tgt Ion:112 Resp: 382933

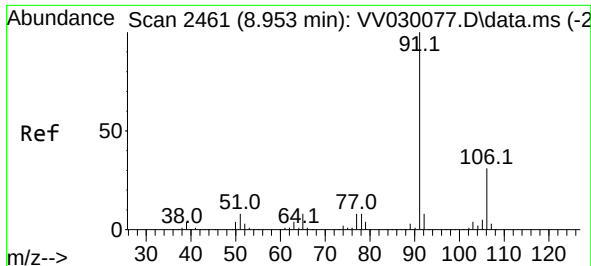
Ion Ratio Lower Upper

112 100

114 31.3 22.3 41.3

77 55.8 46.0 69.0

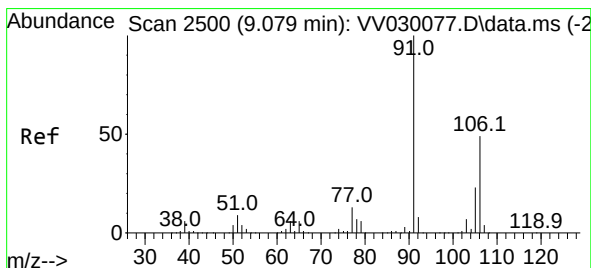
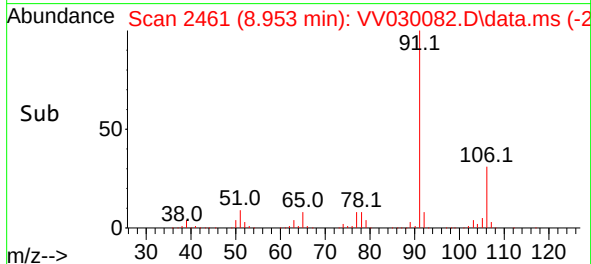
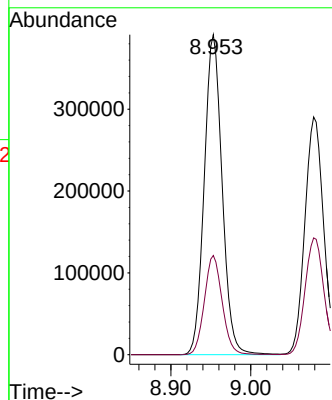
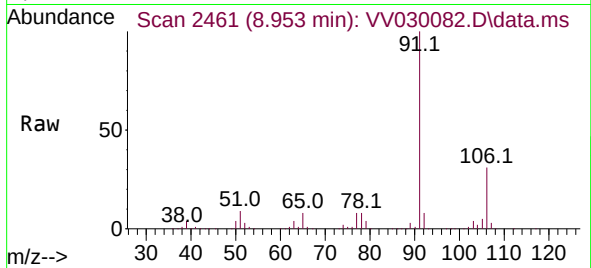




#52
Ethylbenzene
Concen: 50.864 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

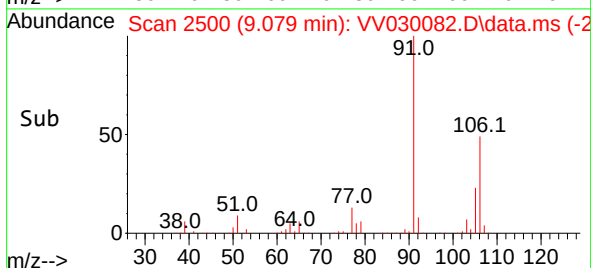
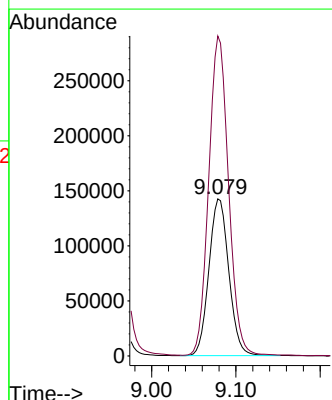
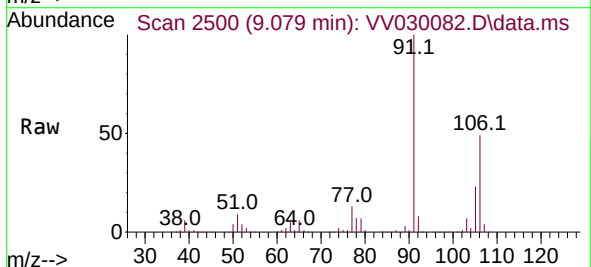
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

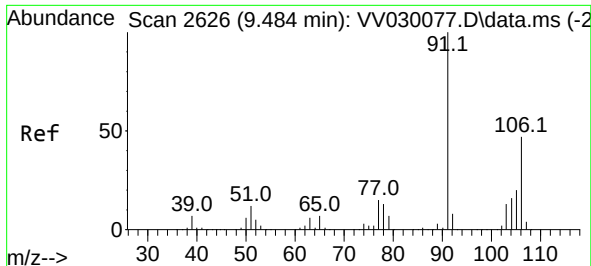
Tgt Ion: 91 Resp: 609549
Ion Ratio Lower Upper
91 100
106 31.0 22.0 40.8



#53
m,p-Xylene
Concen: 51.155 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 106 Resp: 234219
Ion Ratio Lower Upper
106 100
91 203.7 142.0 263.8

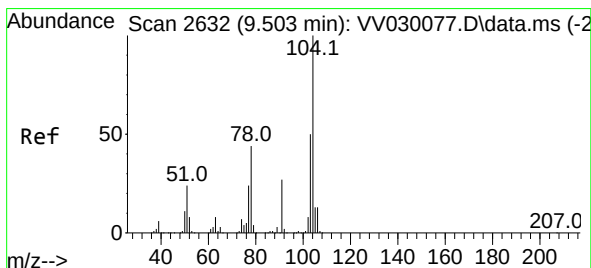
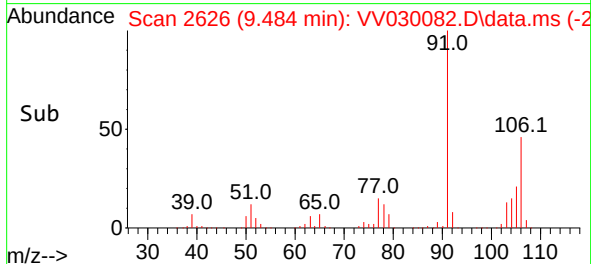
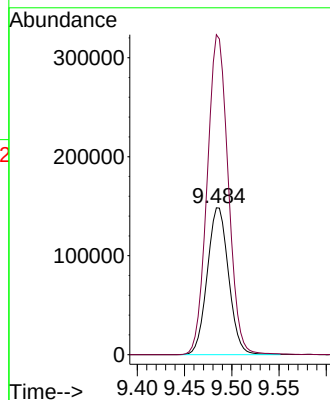
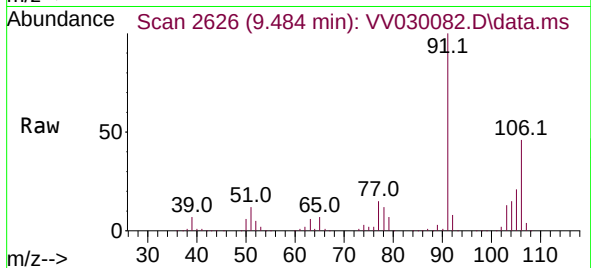




#54
o-Xylene
Concen: 52.858 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

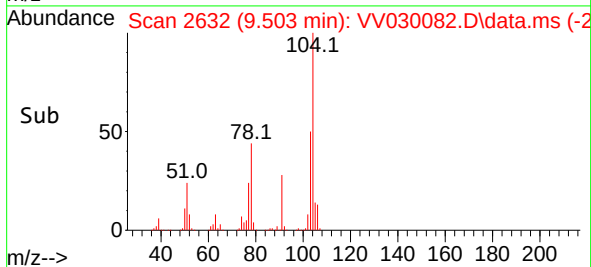
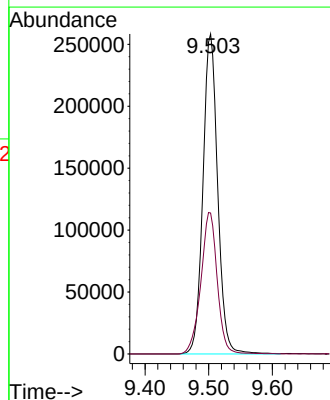
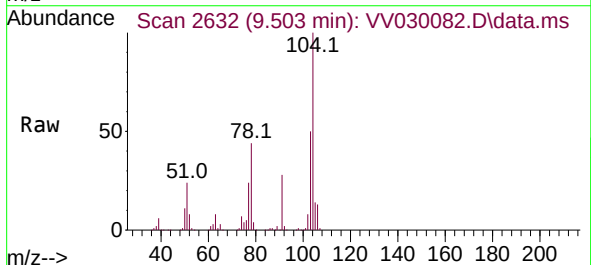
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

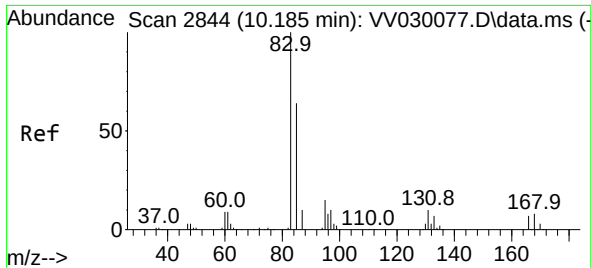
Tgt Ion:106 Resp: 233236
Ion Ratio Lower Upper
106 100
91 217.8 151.5 281.3



#55
Styrene
Concen: 55.117 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion:104 Resp: 415470
Ion Ratio Lower Upper
104 100
78 44.1 31.9 59.2

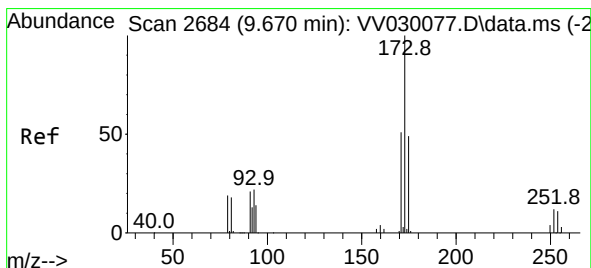
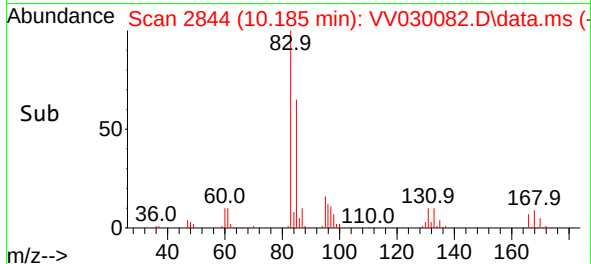
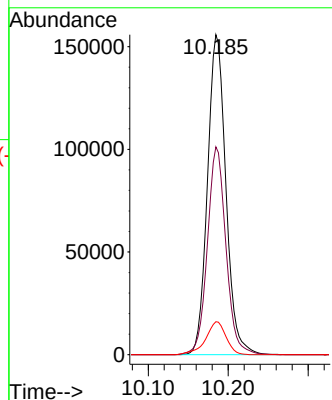
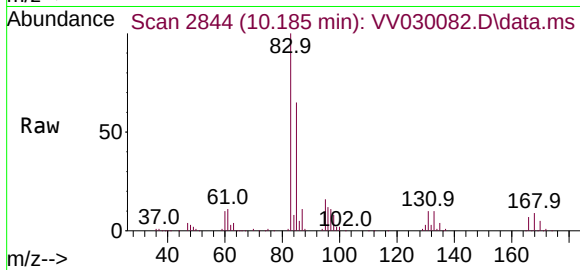




#57
1,1,2,2-Tetrachloroethane
Concen: 56.602 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

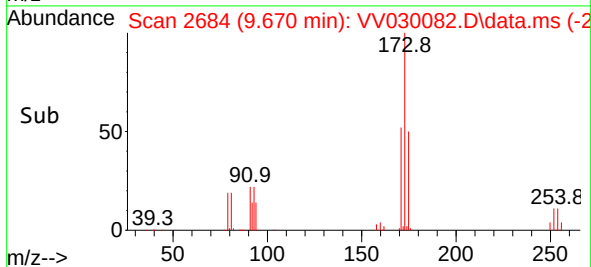
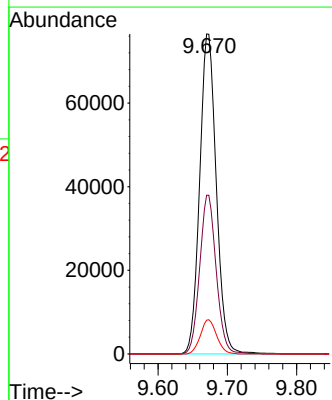
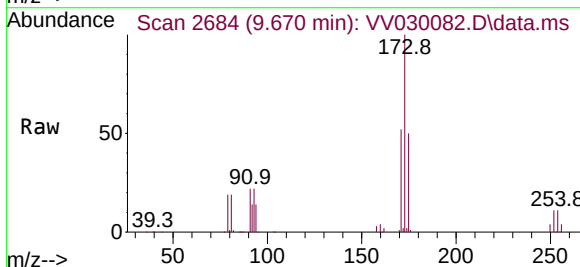
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

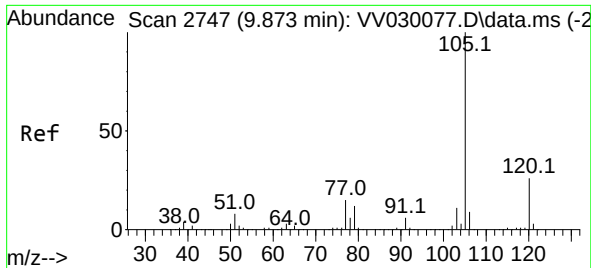
Tgt Ion: 83 Resp: 250156
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5
131 10.3 8.3 12.5



#59
Bromoform
Concen: 62.323 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 173 Resp: 127569
Ion Ratio Lower Upper
173 100
175 49.2 38.7 58.1
254 10.5 8.7 13.1

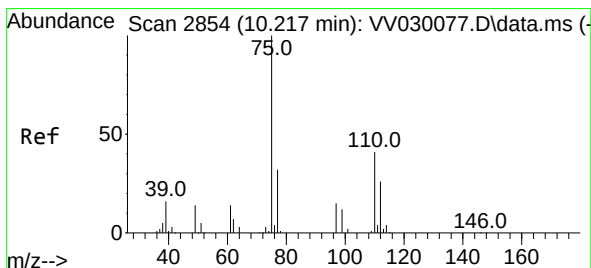
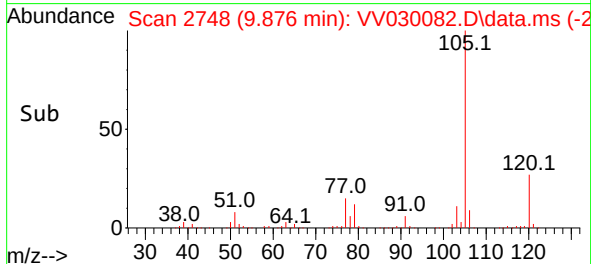
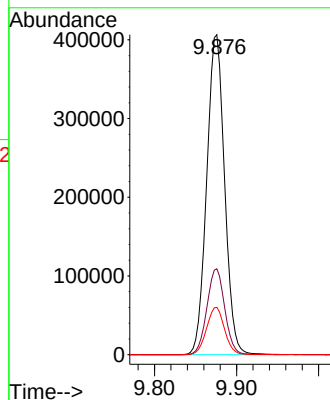
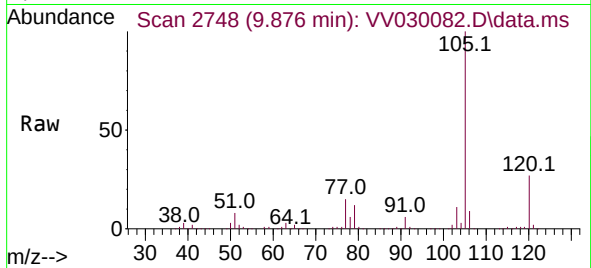




#60
Isopropylbenzene
Concen: 50.078 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

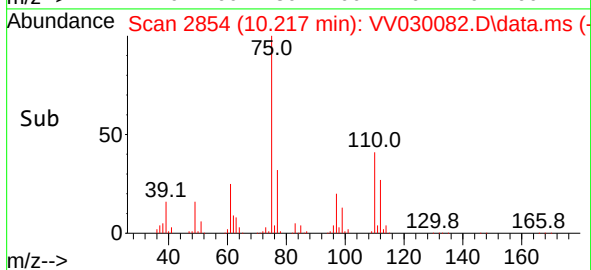
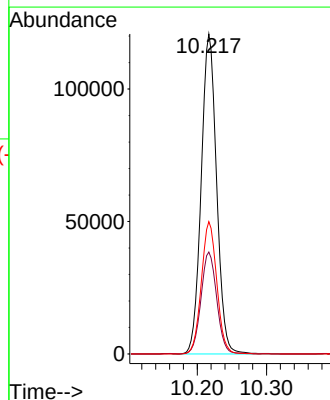
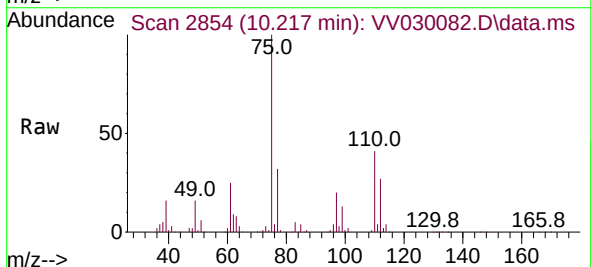
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

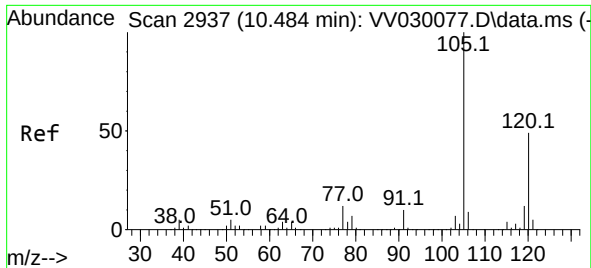
Tgt Ion:105 Resp: 615543
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 14.9 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 54.510 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 75 Resp: 186418
Ion Ratio Lower Upper
75 100
77 32.6 25.9 38.9
110 41.3 32.1 48.1





#62

1,3,5-Trimethylbenzene

Concen: 50.803 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

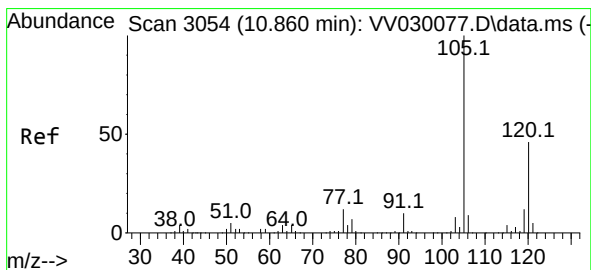
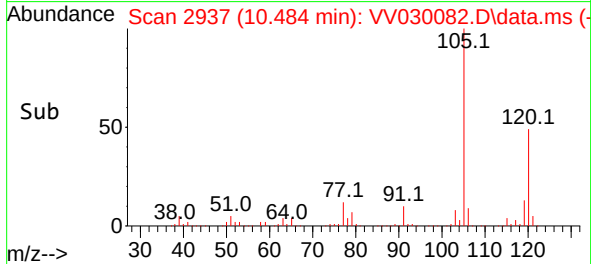
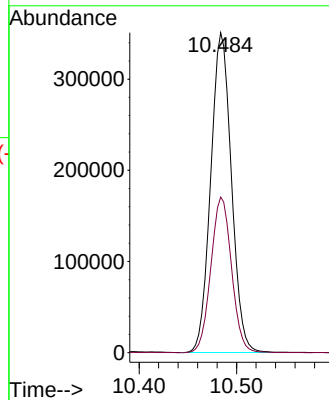
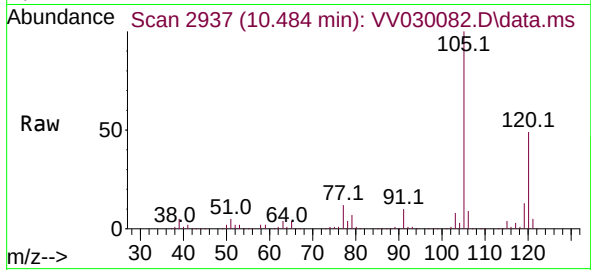
VSTD050286

Tgt Ion:105 Resp: 517185

Ion Ratio Lower Upper

105 100

120 48.6 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 51.440 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030082.D

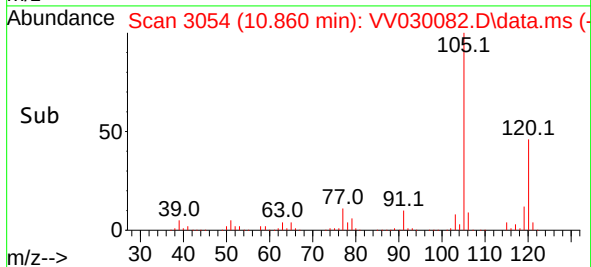
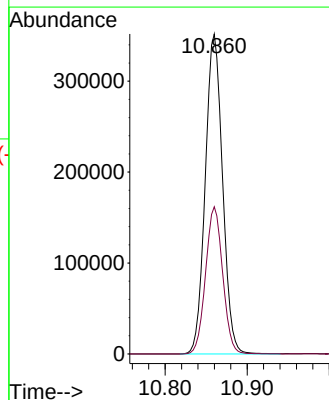
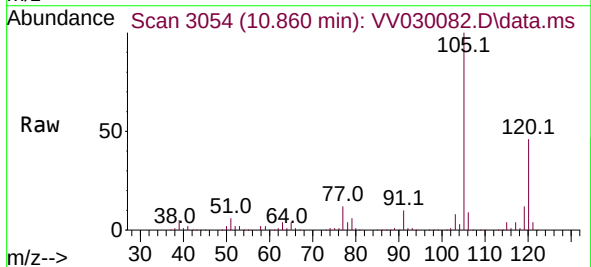
Acq: 22 Feb 2023 16:56

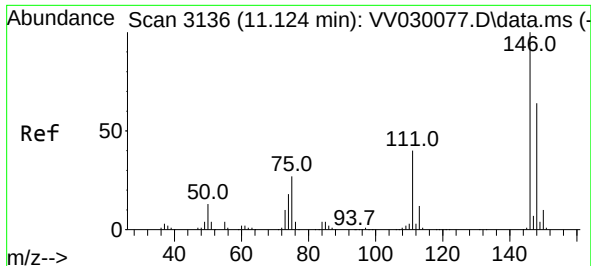
Tgt Ion:105 Resp: 514691

Ion Ratio Lower Upper

105 100

120 45.5 36.3 54.5

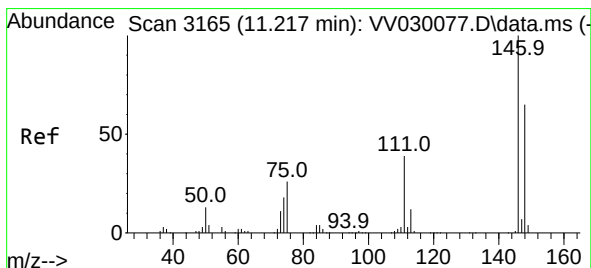
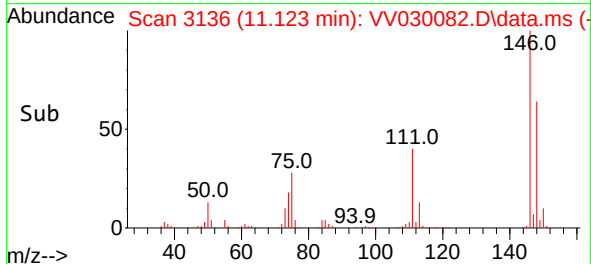
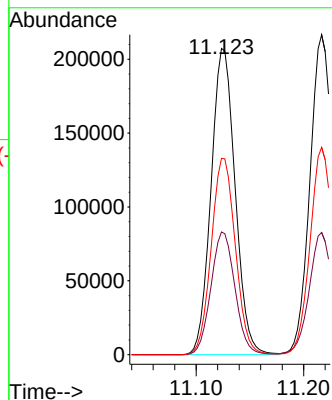
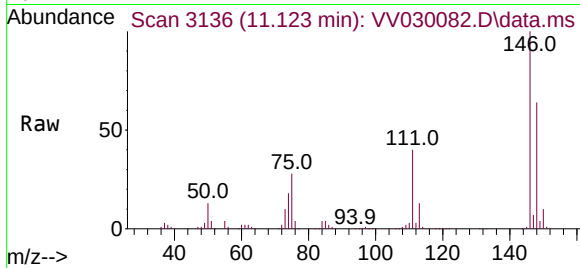




#64
 1,3-Dichlorobenzene
 Concen: 52.113 ug/L
 RT: 11.123 min Scan# 3136
 Delta R.T. -0.000 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

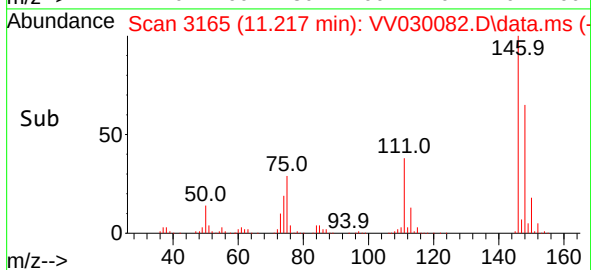
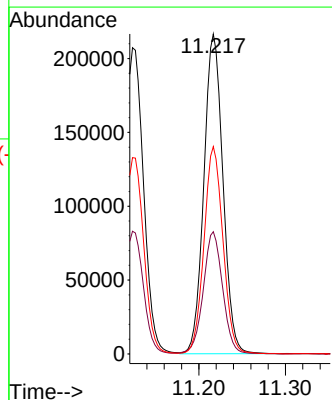
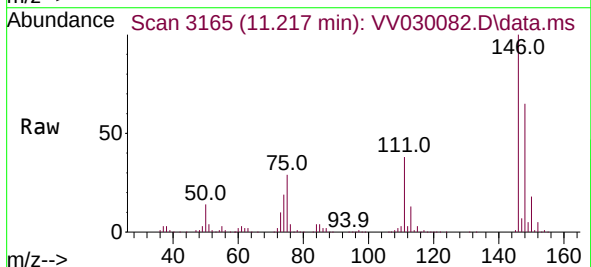
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050286

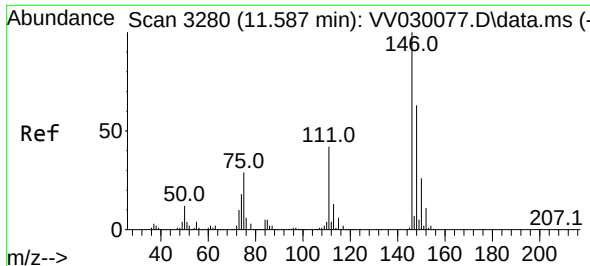
Tgt Ion:146 Resp: 322807
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.2 52.4
 148 64.1 45.3 84.1



#65
 1,4-Dichlorobenzene
 Concen: 52.215 ug/L
 RT: 11.217 min Scan# 3165
 Delta R.T. -0.000 min
 Lab File: VV030082.D
 Acq: 22 Feb 2023 16:56

Tgt Ion:146 Resp: 330944
 Ion Ratio Lower Upper
 146 100
 111 38.2 27.1 50.3
 148 64.8 44.9 83.5

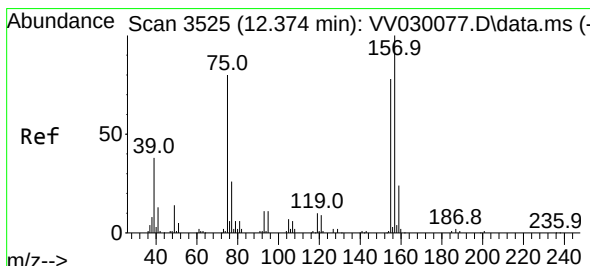
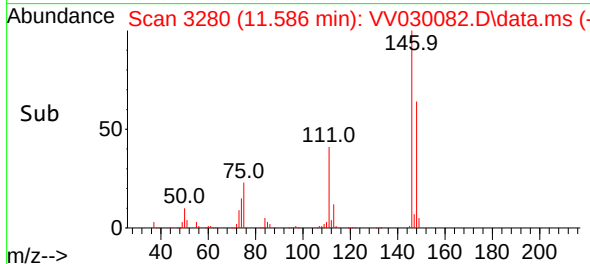
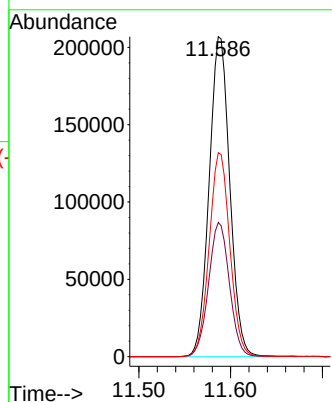
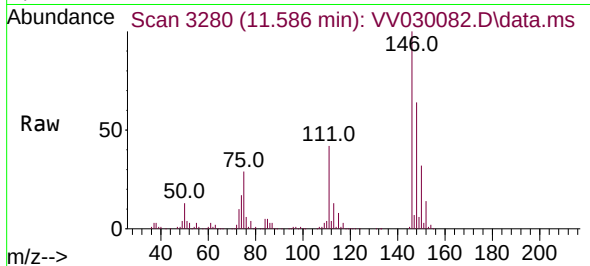




#67
1,2-Dichlorobenzene
Concen: 52.388 ug/L
RT: 11.586 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

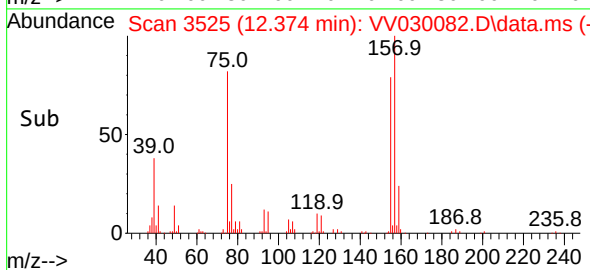
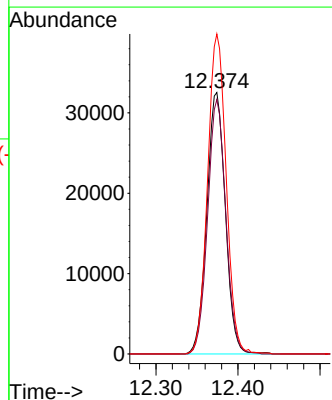
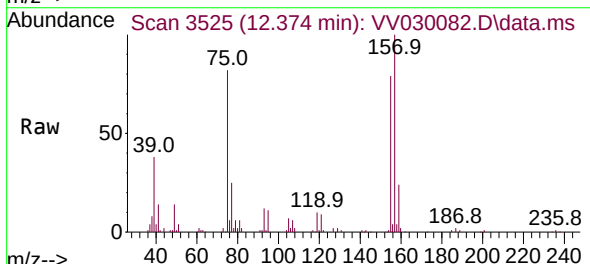
Instrument :
MSVOA_V
ClientSampleId :
VSTD050286

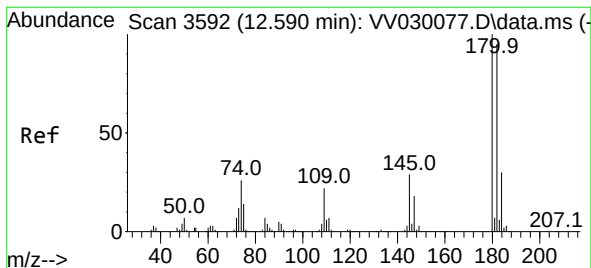
Tgt Ion:146 Resp: 323096
Ion Ratio Lower Upper
146 100
111 42.0 33.0 49.4
148 63.7 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 51.236 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV030082.D
Acq: 22 Feb 2023 16:56

Tgt Ion: 75 Resp: 51121
Ion Ratio Lower Upper
75 100
155 97.3 76.2 114.2
157 122.4 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 48.856 ug/L

RT: 12.593 min Scan# 3592

Delta R.T. 0.003 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050286

Tgt Ion:180 Resp: 241499

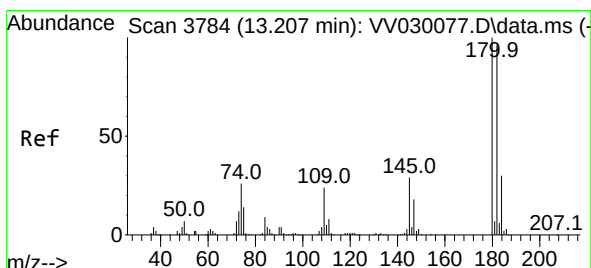
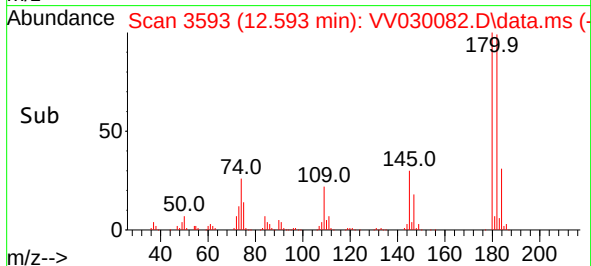
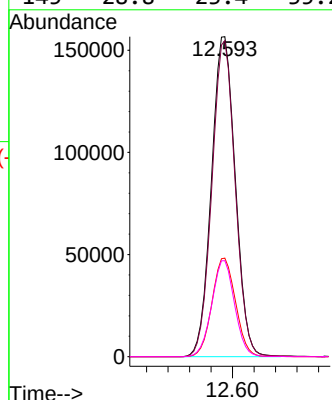
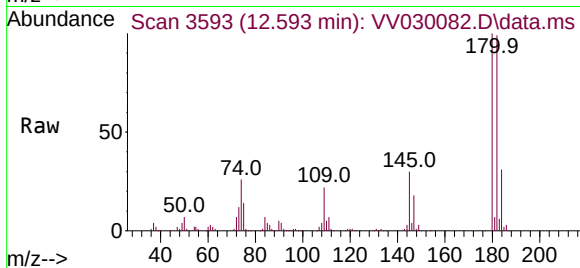
Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

184 30.3 24.5 36.7

145 28.8 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 49.037 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

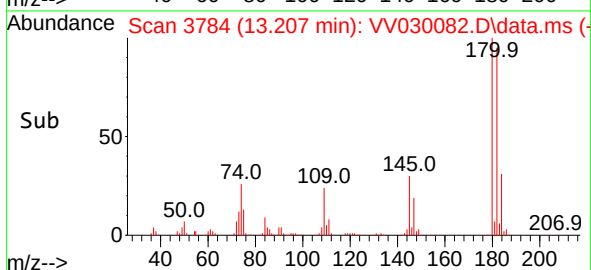
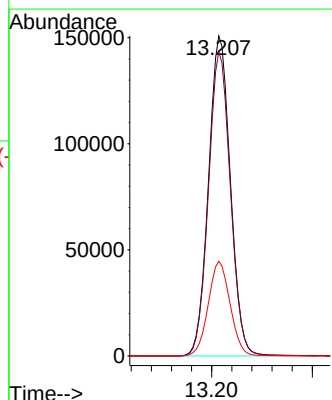
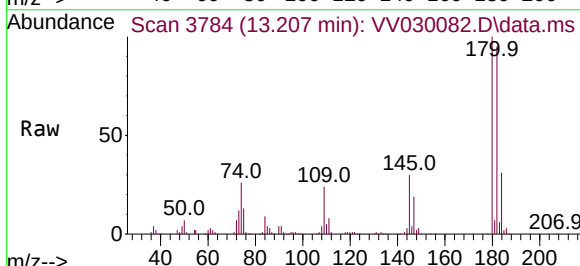
Tgt Ion:180 Resp: 227826

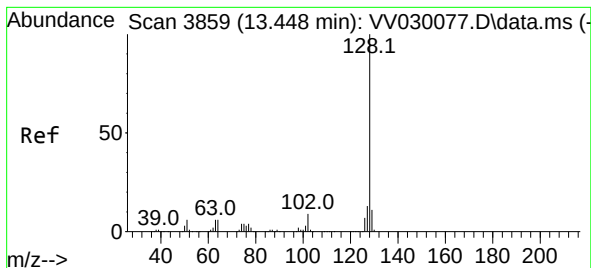
Ion Ratio Lower Upper

180 100

182 95.2 76.6 114.8

145 29.6 24.3 36.5





#71

Naphthalene

Concen: 50.224 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD050286

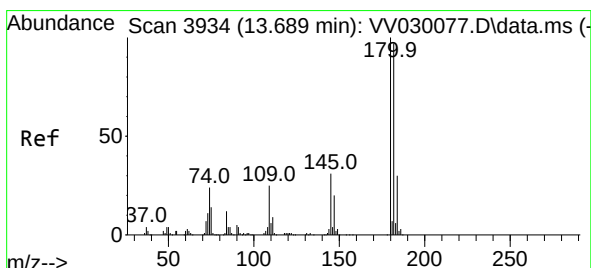
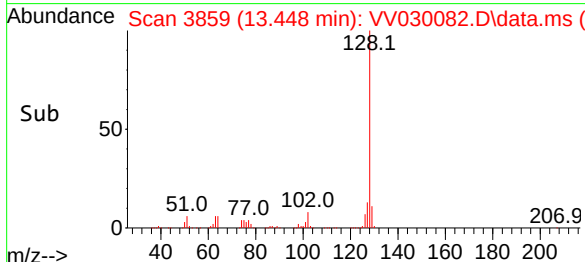
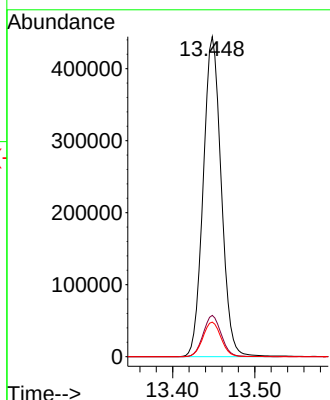
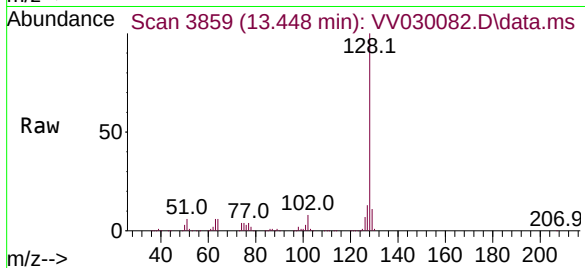
Tgt Ion:128 Resp: 676826

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 49.938 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030082.D

Acq: 22 Feb 2023 16:56

Tgt Ion:180 Resp: 227697

Ion Ratio Lower Upper

180 100

182 95.8 75.8 113.8

145 31.0 25.0 37.6

