

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022023\
 Data File : VW030075.D
 Acq On : 20 Feb 2023 13:58
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050284

Quant Time: Feb 20 23:01:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 20 22:59:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	389839	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	376252	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	224809	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	91064	32.856	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.720%
7) Chloroethane-d5	1.536	69	86713	40.887	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.780%
11) 1,1-Dichloroethene-d2	2.066	63	196503	37.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.120%
21) 2-Butanone-d5	3.793	46	177004	102.332	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.330%
24) Chloroform-d	4.259	84	237586	46.117	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.240%
26) 1,2-Dichloroethane-d4	4.950	65	141715	46.537	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.080%
32) Benzene-d6	4.970	84	425575	42.588	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.180%
36) 1,2-Dichloropropane-d6	5.995	67	144783	45.565	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.140%
41) Toluene-d8	7.249	98	387994	41.142	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.280%
43) trans-1,3-Dichloroprop...	7.558	79	72508	45.918	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.840%
47) 2-Hexanone-d5	8.031	63	147418	99.517	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.520%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	235856	49.485	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.980%
66) 1,2-Dichlorobenzene-d4	11.571	152	176095	43.982	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	171483	41.557	ug/L	100
3) Chloromethane	1.217	50	268651	50.738	ug/L	99
5) Vinyl chloride	1.285	62	176557	47.883	ug/L	99
6) Bromomethane	1.491	94	39607	59.093	ug/L	99
8) Chloroethane	1.552	64	113383	52.702	ug/L	99
9) Trichlorofluoromethane	1.719	101	216643	44.323	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	130803	43.725	ug/L	100
12) 1,1-Dichloroethene	2.076	96	126664	47.068	ug/L	92
13) Acetone	2.121	43	131005	98.680	ug/L	100
14) Carbon disulfide	2.246	76	362599	45.566	ug/L	100
15) Methyl Acetate	2.378	43	150278	54.439	ug/L	99
16) Methylene chloride	2.452	84	160281	54.403	ug/L	98
17) trans-1,2-Dichloroethene	2.700	96	137689	50.051	ug/L	98
18) Methyl tert-butyl Ether	2.709	73	499103	57.011	ug/L	100
19) 1,1-Dichloroethane	3.118	63	270495	53.349	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	164251	53.990	ug/L	98
22) 2-Butanone	3.876	43	196361	105.420	ug/L	99
23) Bromochloromethane	4.156	128	91035	56.124	ug/L	99
25) Chloroform	4.285	83	282271	54.608	ug/L	100

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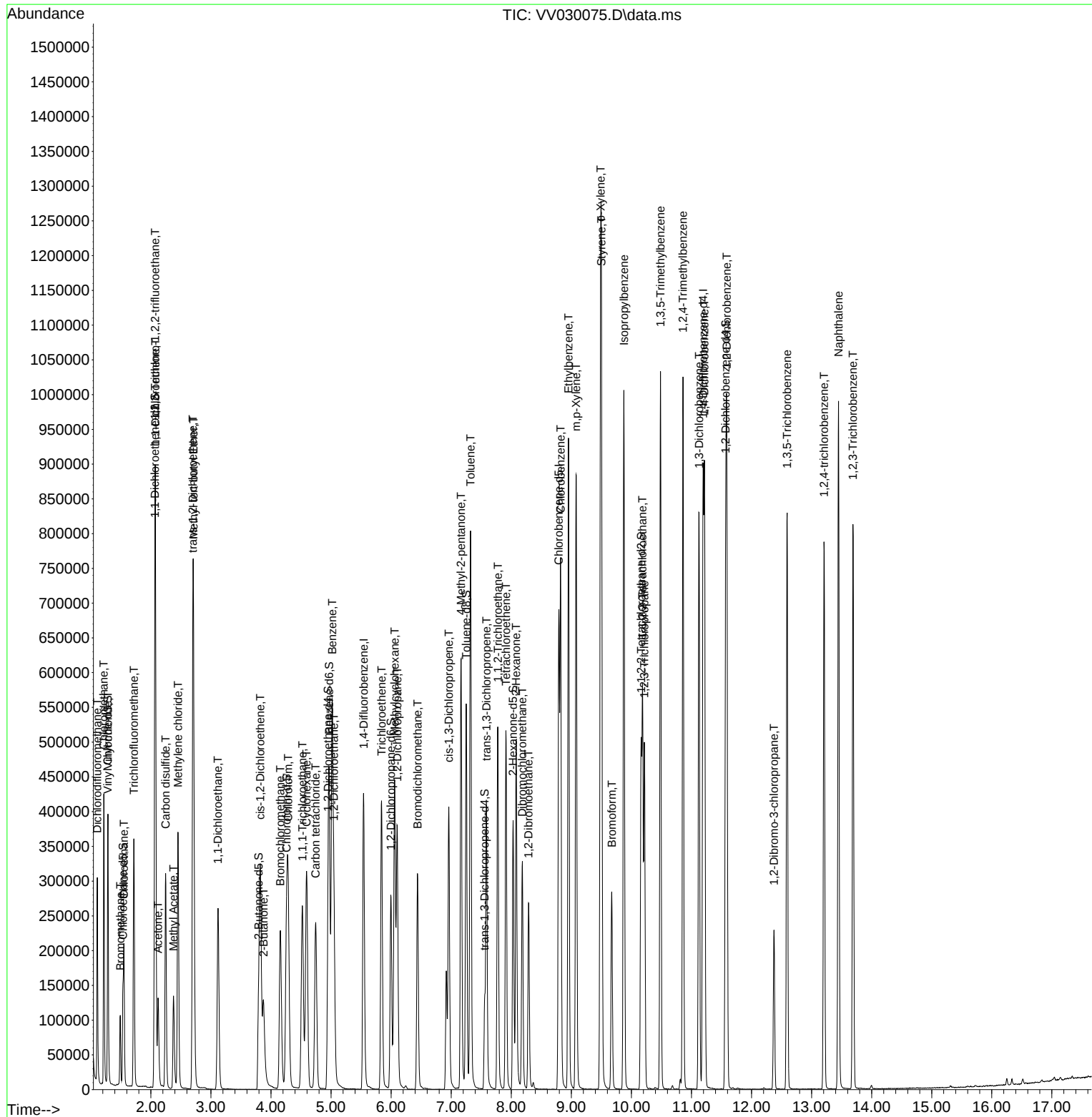
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	213528	55.310	ug/L	99
29) Cyclohexane	4.593	56	186314	42.496	ug/L	100
30) 1,1,1-Trichloroethane	4.523	97	229748	49.155	ug/L	100
31) Carbon tetrachloride	4.744	117	193108	47.063	ug/L	99
33) Benzene	5.018	78	577122	51.989	ug/L	100
34) Trichloroethene	5.841	95	150987	49.973	ug/L	96
35) Methylcyclohexane	6.060	83	201990	42.114	ug/L	99
37) 1,2-Dichloropropane	6.101	63	158555	54.236	ug/L	100
38) Bromodichloromethane	6.439	83	216537	55.146	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	265857	54.099	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	400732	110.260	ug/L	99
42) Toluene	7.323	91	614559	50.593	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	243561	54.496	ug/L	100
45) 1,1,2-Trichloroethane	7.777	97	169548	55.879	ug/L	99
46) Tetrachloroethene	7.912	164	121198	47.716	ug/L	99
48) 2-Hexanone	8.082	43	295972	105.669	ug/L	99
49) Dibromochloromethane	8.185	129	174832	55.577	ug/L	99
50) 1,2-Dibromoethane	8.288	107	182584	54.851	ug/L	100
51) Chlorobenzene	8.822	112	415074	51.274	ug/L	99
52) Ethylbenzene	8.953	91	659912	49.066	ug/L	100
53) m,p-Xylene	9.082	106	255619	49.746	ug/L	98
54) o-Xylene	9.487	106	253305	51.151	ug/L	99
55) Styrene	9.503	104	448122	52.971	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	270878	54.613	ug/L	99
59) Bromoform	9.674	173	131609	59.117	ug/L	99
60) Isopropylbenzene	9.876	105	661840	49.507	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	204135	54.882	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	555597	50.179	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	553152	50.830	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	343110	50.929	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	347164	50.361	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	339654	50.637	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	55980	51.586	ug/L	98
69) 1,3,5-Trichlorobenzene	12.593	180	261735	48.685	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	249522	49.380	ug/L	100
71) Naphthalene	13.448	128	765391	52.220	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	252691	50.955	ug/L	99

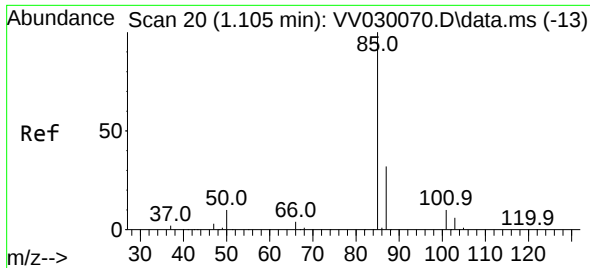
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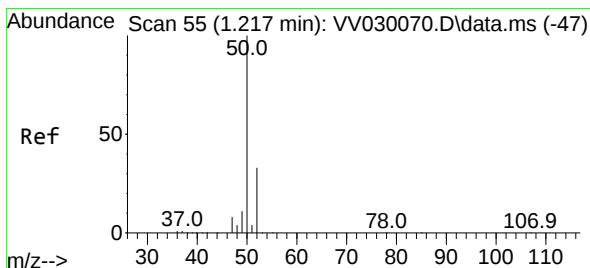
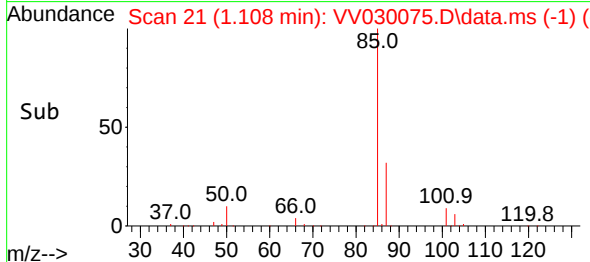
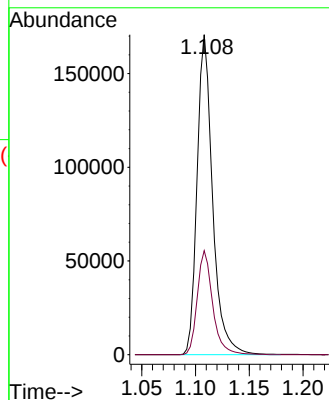
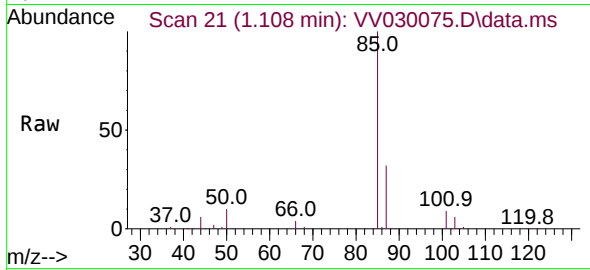




#2
 Dichlorodifluoromethane
 Concen: 41.557 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV030075.D
 Acq: 20 Feb 2023 13:58

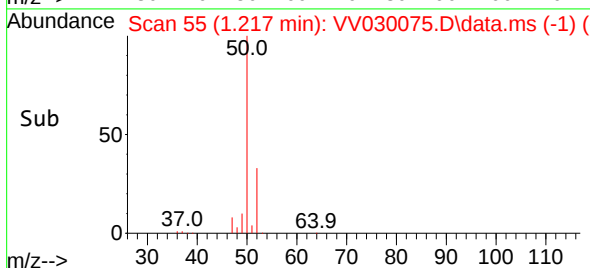
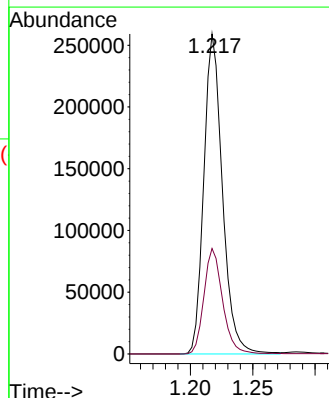
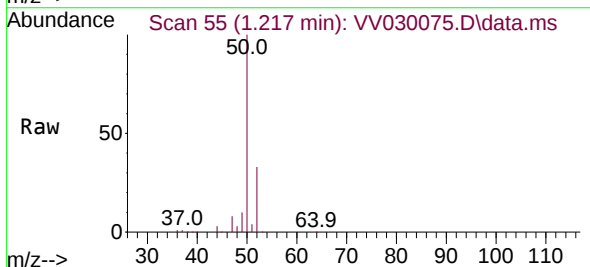
Instrument :
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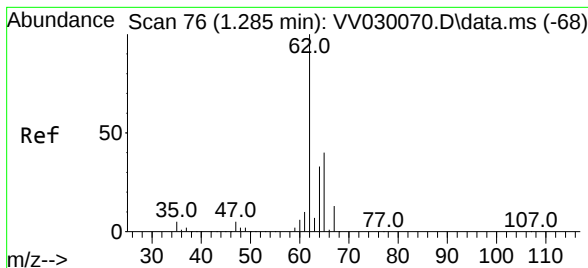
Tgt Ion: 85 Resp: 171483
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0



#3
 Chloromethane
 Concen: 50.738 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030075.D
 Acq: 20 Feb 2023 13:58

Tgt Ion: 50 Resp: 268651
 Ion Ratio Lower Upper
 50 100
 52 32.9 23.4 43.4

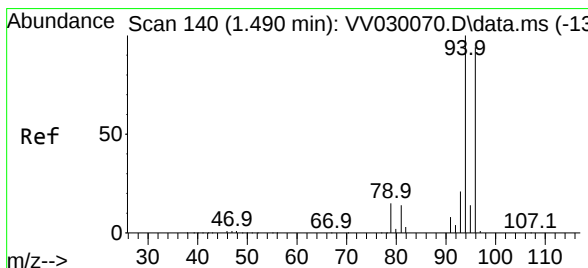
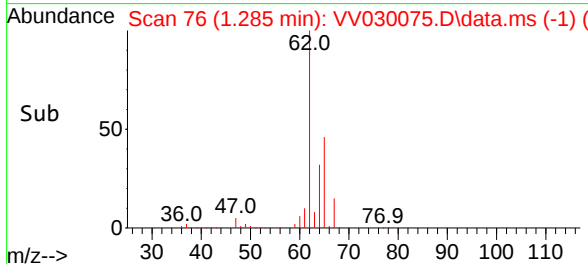
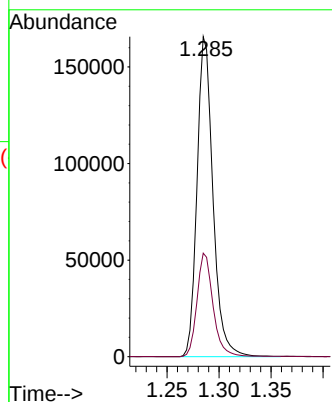
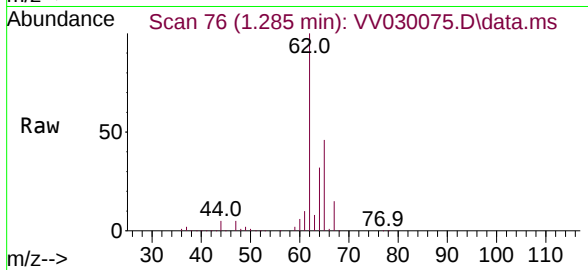




#5
 Vinyl chloride
 Concen: 47.883 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV030075.D
 Acq: 20 Feb 2023 13:58

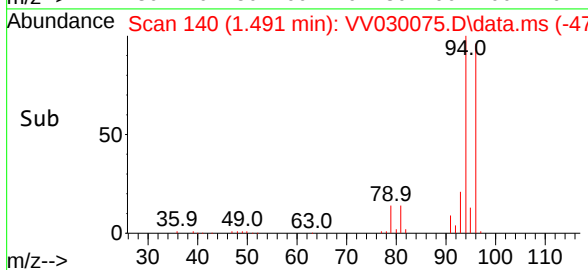
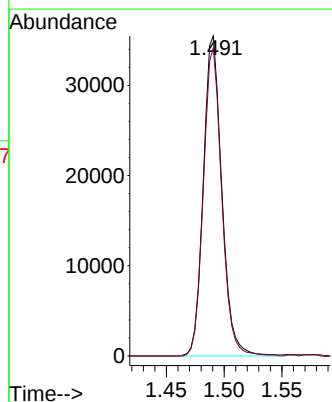
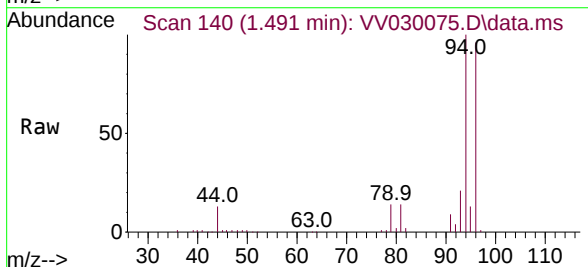
Instrument :
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 ClientSampleId :
 VSTD050284

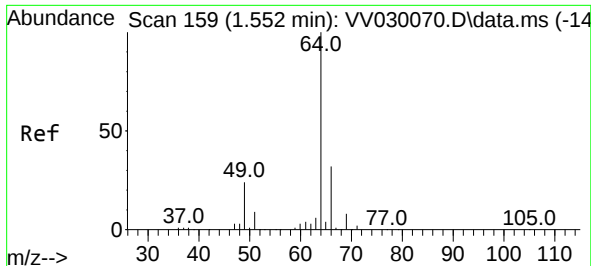
Tgt Ion: 62 Resp: 176557
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.9 42.5



#6
 Bromomethane
 Concen: 59.093 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV030075.D
 Acq: 20 Feb 2023 13:58

Tgt Ion: 94 Resp: 39607
 Ion Ratio Lower Upper
 94 100
 96 96.2 66.7 123.9

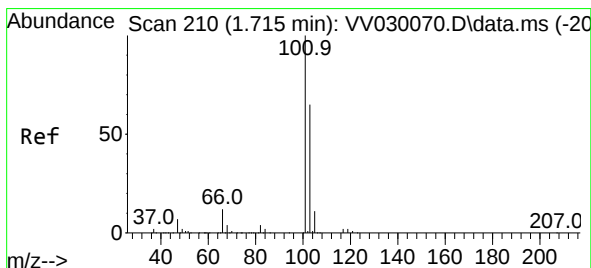
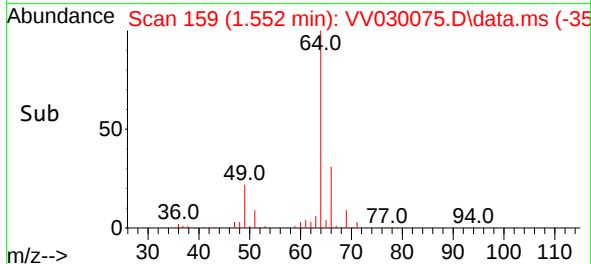
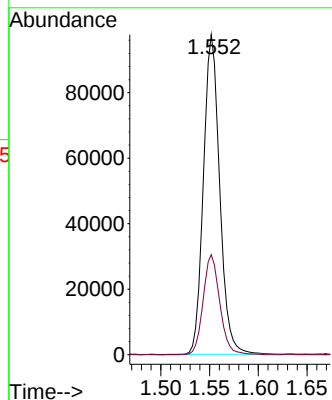
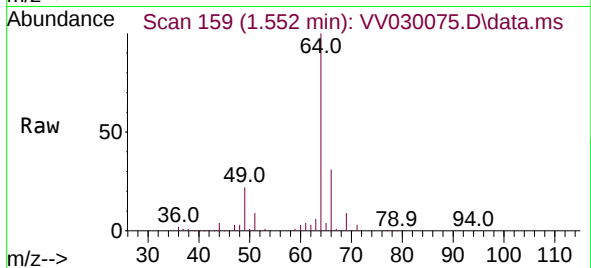




#8
Chloroethane
Concen: 52.702 ug/L
RT: 1.552 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

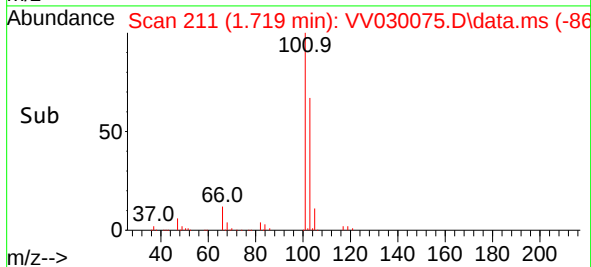
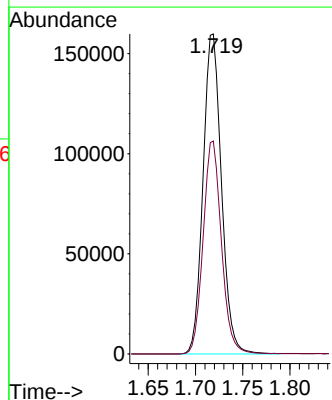
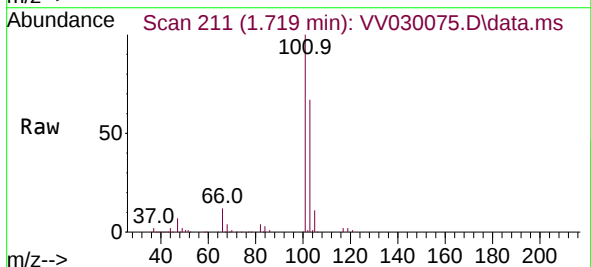
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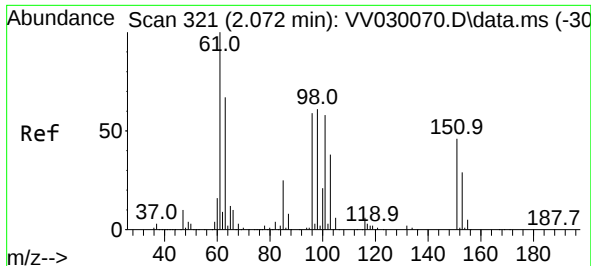
Tgt Ion: 64 Resp: 113383
Ion Ratio Lower Upper
64 100
66 31.3 22.3 41.3



#9
Trichlorofluoromethane
Concen: 44.323 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion:101 Resp: 216643
Ion Ratio Lower Upper
101 100
103 66.0 52.6 78.8

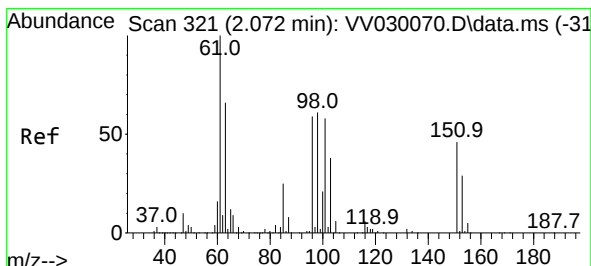
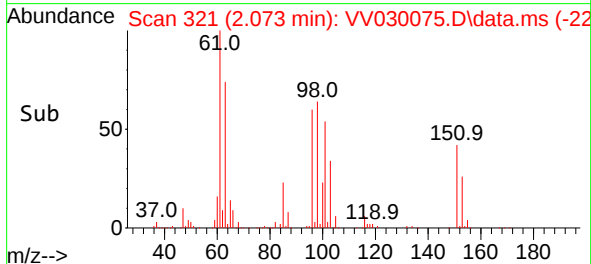
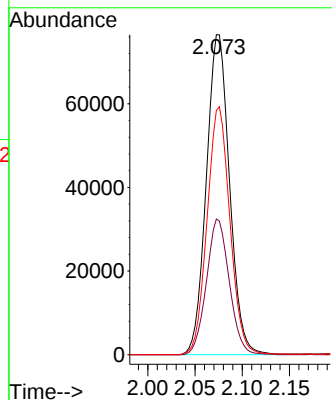
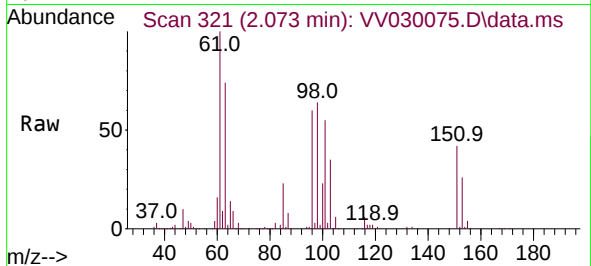




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 43.725 ug/L
 RT: 2.073 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030075.D
 Acq: 20 Feb 2023 13:58

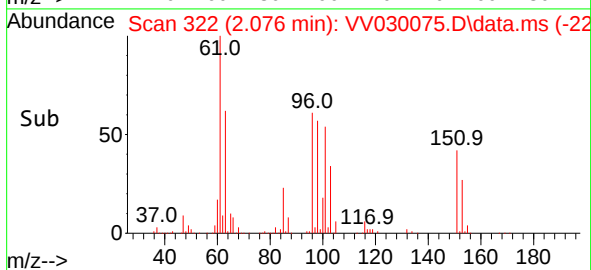
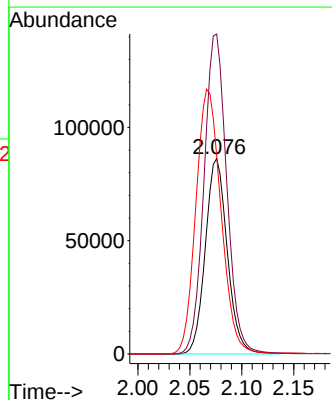
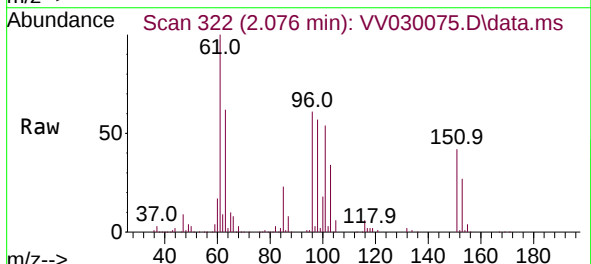
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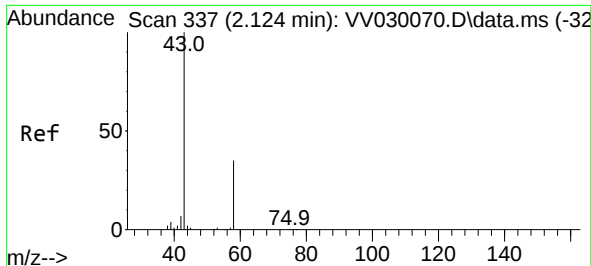
Tgt Ion:101 Resp: 130803
 Ion Ratio Lower Upper
 101 100
 85 41.7 33.4 50.2
 151 76.2 60.8 91.2



#12
 1,1-Dichloroethene
 Concen: 47.068 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030075.D
 Acq: 20 Feb 2023 13:58

Tgt Ion: 96 Resp: 126664
 Ion Ratio Lower Upper
 96 100
 61 163.7 115.8 215.2
 63 101.4 83.4 154.8





#13

Acetone

Concen: 98.680 ug/L

RT: 2.121 min Scan# 337

Delta R.T. -0.003 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

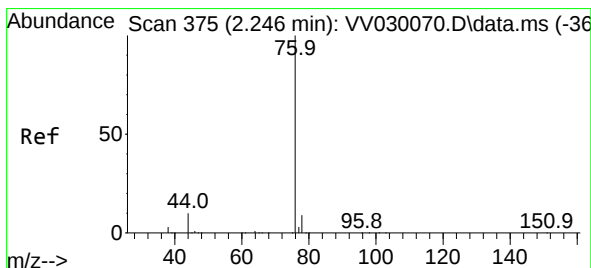
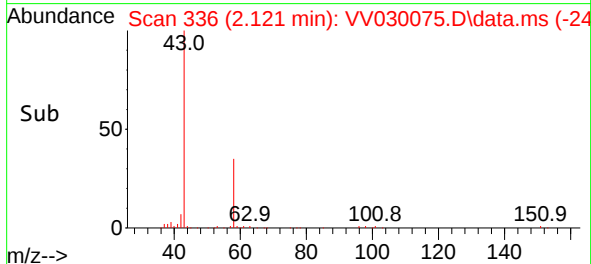
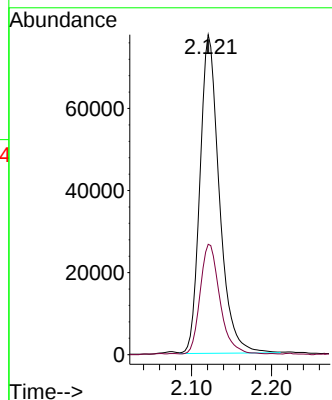
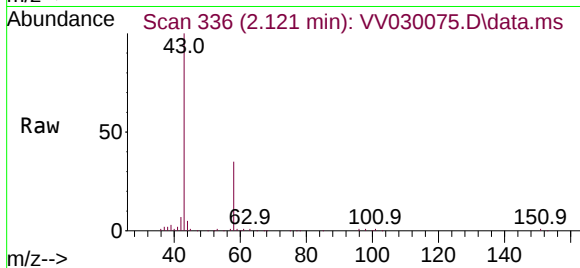
VSTD050284

Tgt Ion: 43 Resp: 131005

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.6



#14

Carbon disulfide

Concen: 45.566 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

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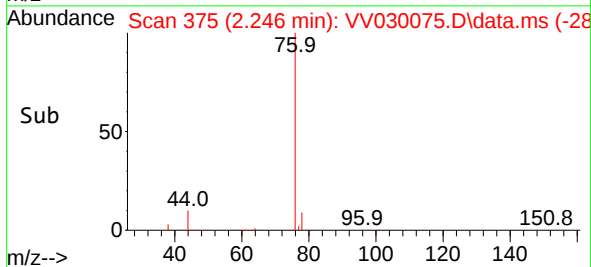
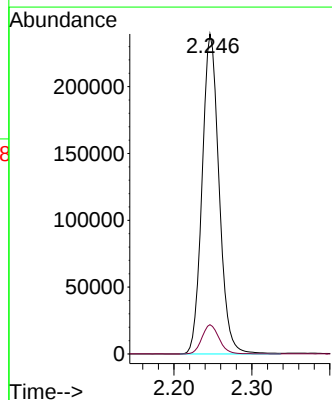
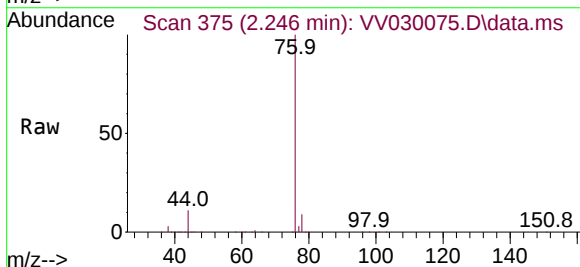
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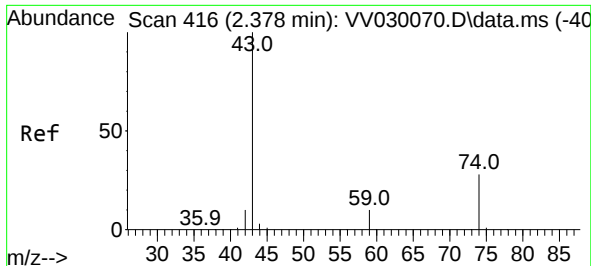
Tgt Ion: 76 Resp: 362599

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

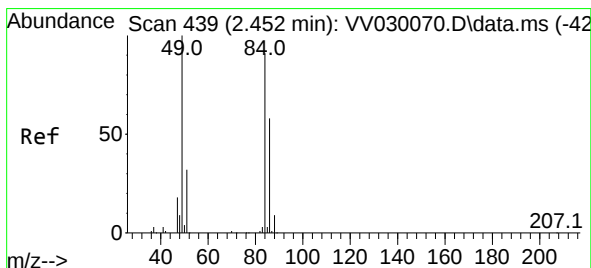
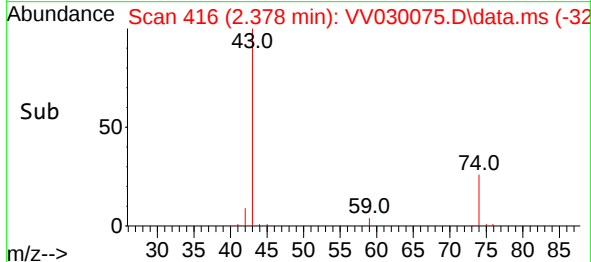
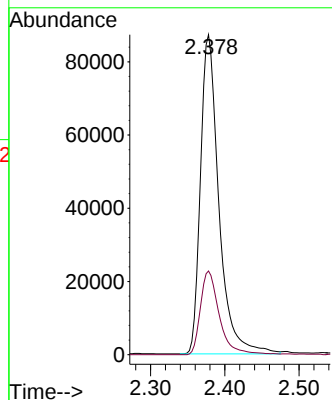
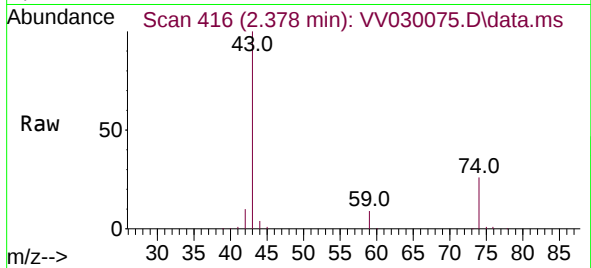




#15
Methyl Acetate
Concen: 54.439 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

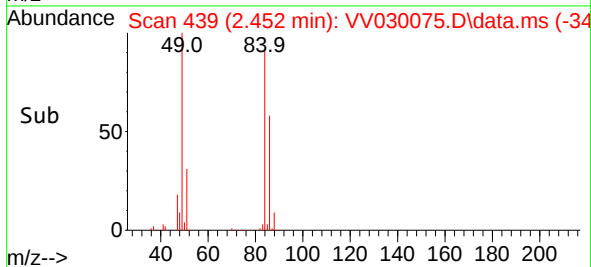
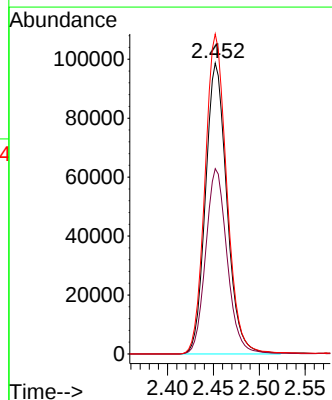
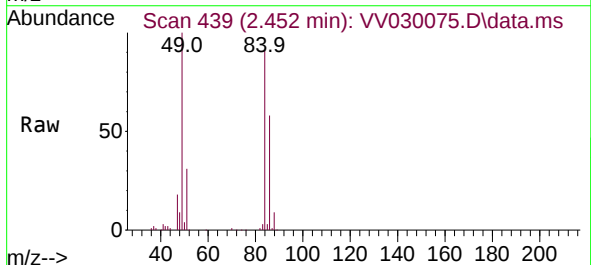
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

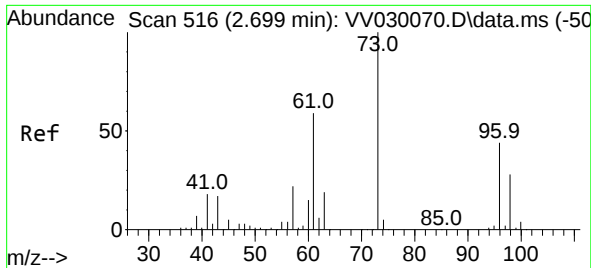
Tgt Ion: 43 Resp: 150278
Ion Ratio Lower Upper
43 100
74 26.9 21.9 32.9



#16
Methylene chloride
Concen: 54.403 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 84 Resp: 160281
Ion Ratio Lower Upper
84 100
86 63.7 45.1 83.7
49 110.0 78.7 146.1

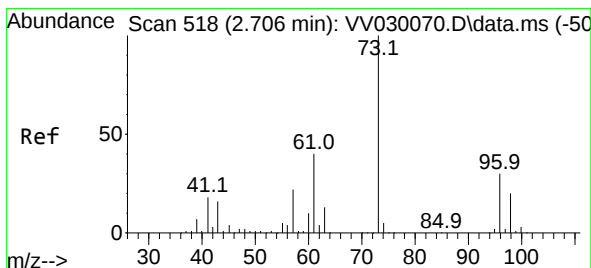
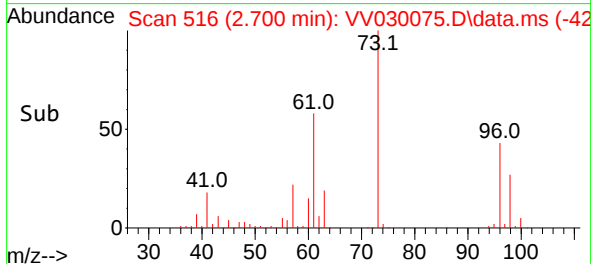
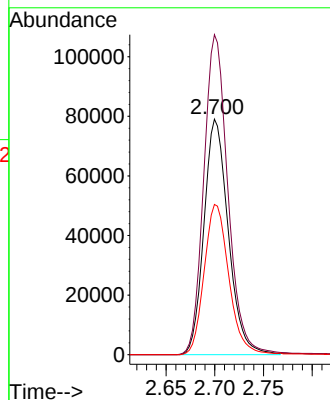
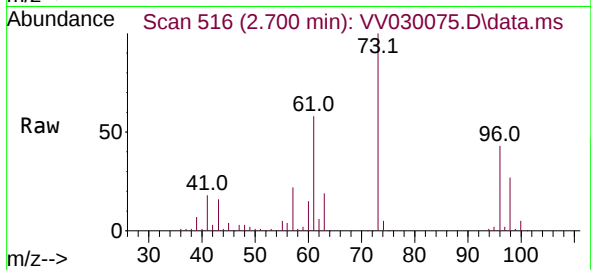




#17
trans-1,2-Dichloroethene
Concen: 50.051 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

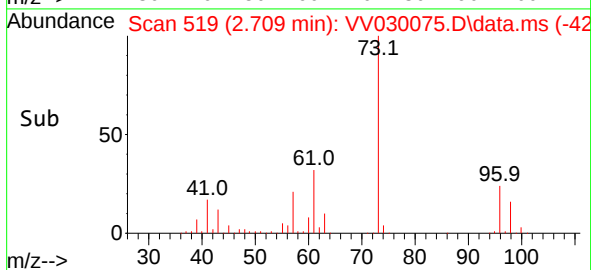
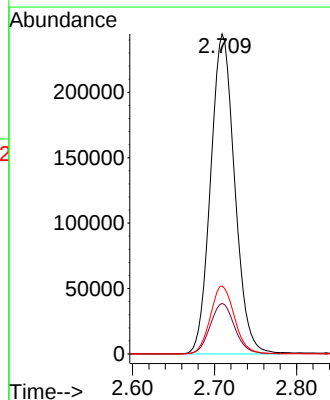
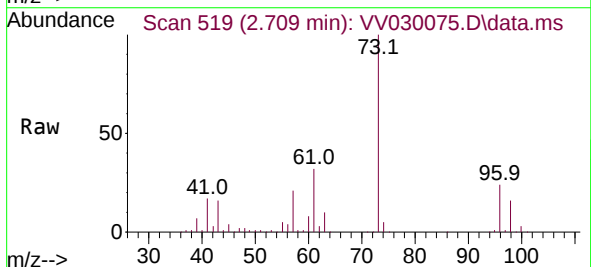
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

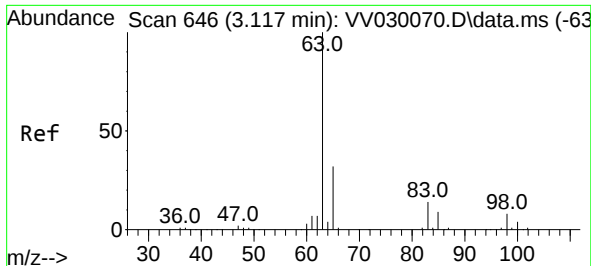
Tgt Ion: 96 Resp: 137689
Ion Ratio Lower Upper
96 100
61 135.9 93.3 173.3
98 63.8 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 57.011 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 73 Resp: 499103
Ion Ratio Lower Upper
73 100
43 15.9 12.7 19.1
57 21.4 17.0 25.4





#19

1,1-Dichloroethane

Concen: 53.349 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

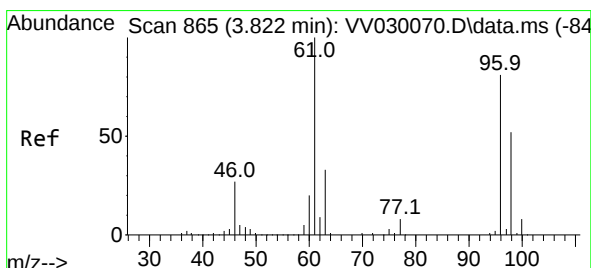
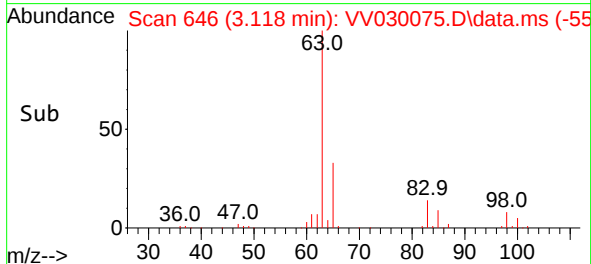
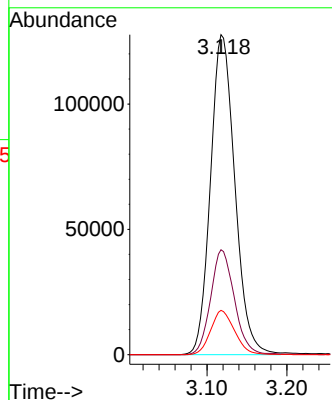
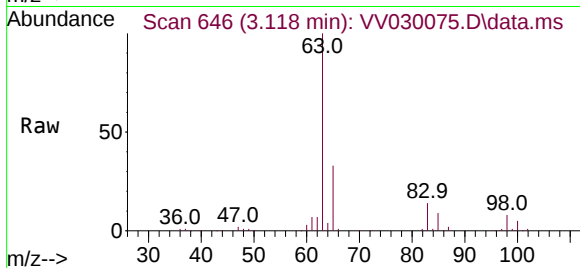
Tgt Ion: 63 Resp: 270495

Ion Ratio Lower Upper

63 100

65 32.8 22.0 41.0

83 13.8 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 53.990 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

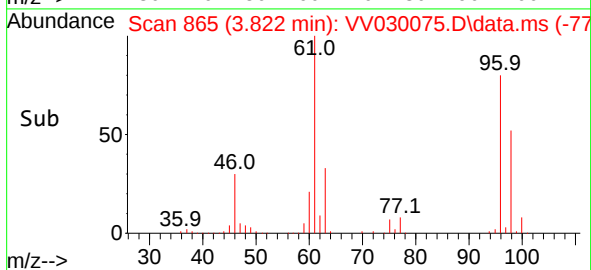
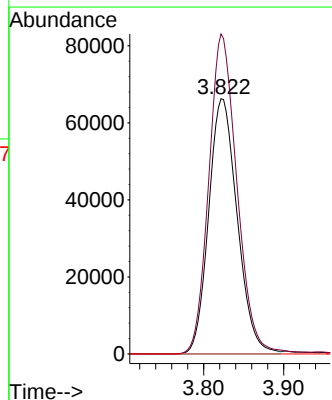
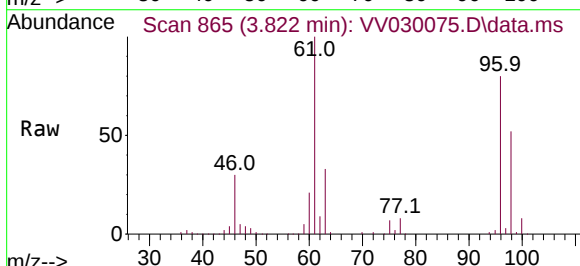
Tgt Ion: 96 Resp: 164251

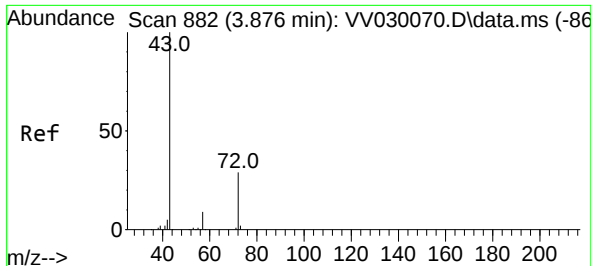
Ion Ratio Lower Upper

96 100

61 125.4 86.0 159.6

68 0.0 0.0 0.0

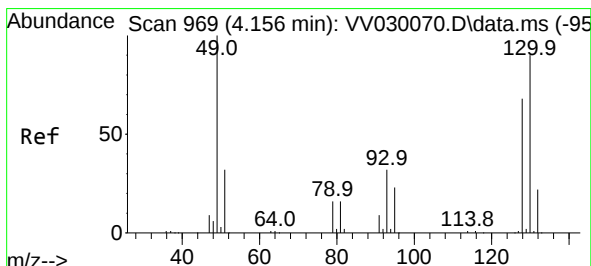
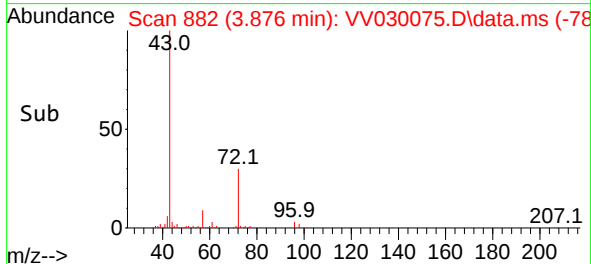
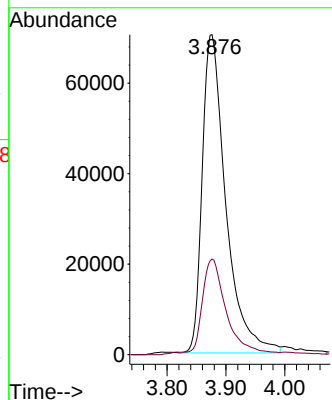
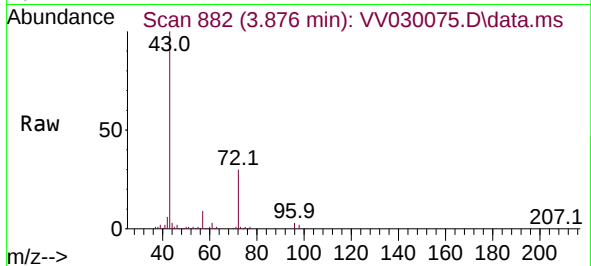




#22
2-Butanone
Concen: 105.420 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

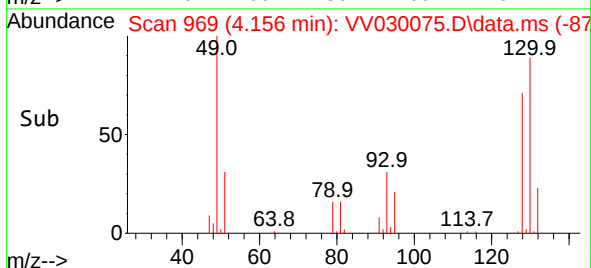
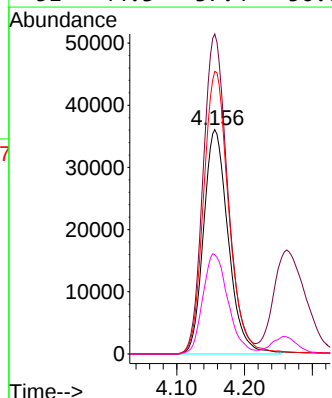
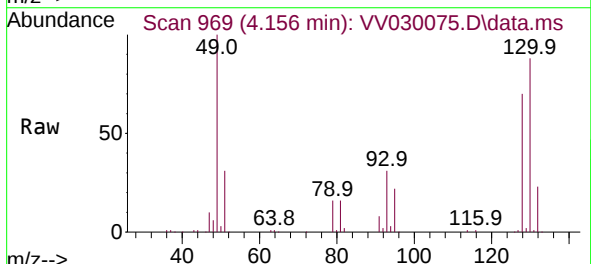
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

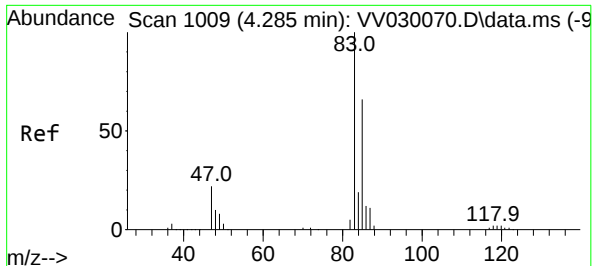
Tgt Ion: 43 Resp: 196361
Ion Ratio Lower Upper
43 100
72 29.0 14.7 44.1



#23
Bromochloromethane
Concen: 56.124 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 128 Resp: 91035
Ion Ratio Lower Upper
128 100
49 142.7 101.0 187.6
130 126.0 88.2 163.8
51 44.3 37.4 56.0





#25

Chloroform

Concen: 54.608 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

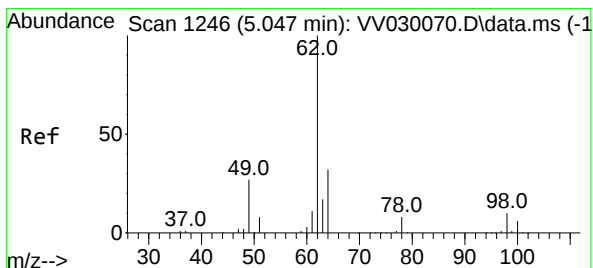
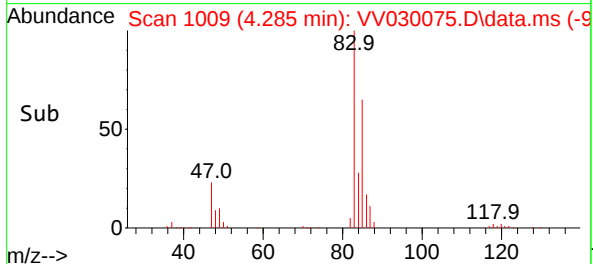
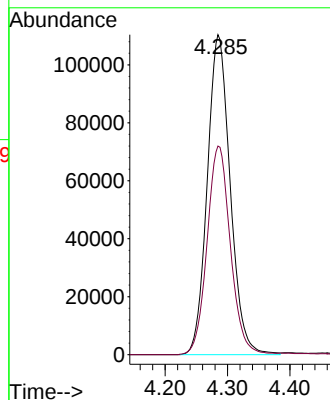
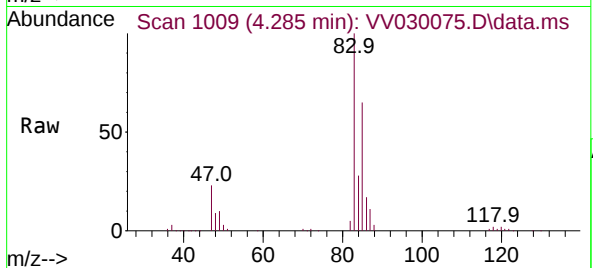
VSTD050284

Tgt Ion: 83 Resp: 282271

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.4



#27

1,2-Dichloroethane

Concen: 55.310 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV030075.D

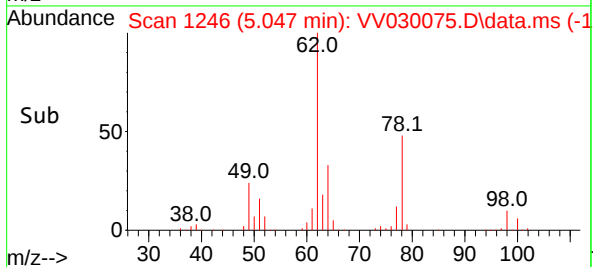
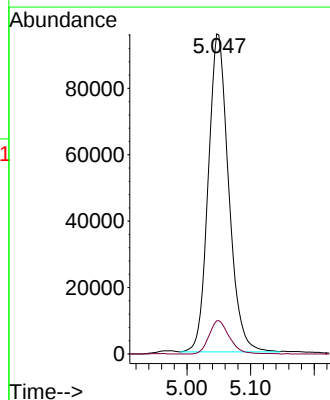
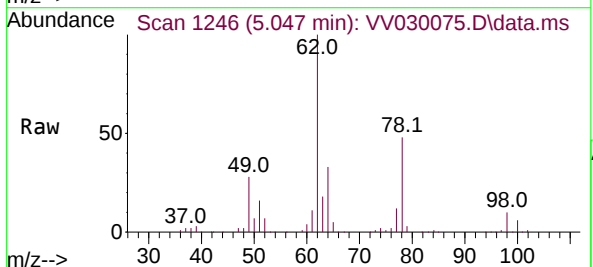
Acq: 20 Feb 2023 13:58

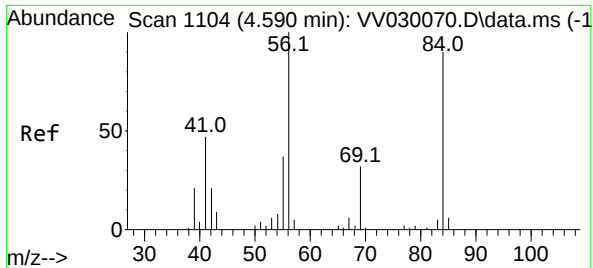
Tgt Ion: 62 Resp: 213528

Ion Ratio Lower Upper

62 100

98 10.3 8.5 12.7

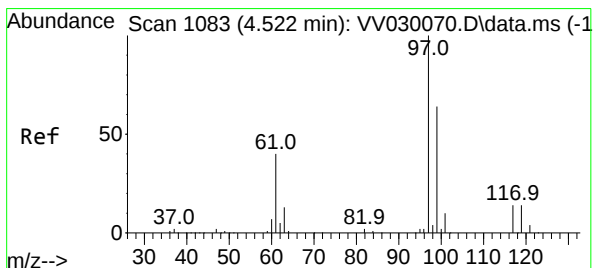
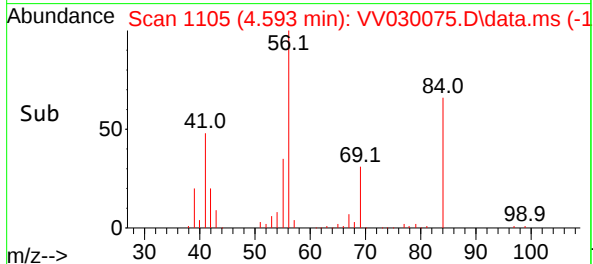
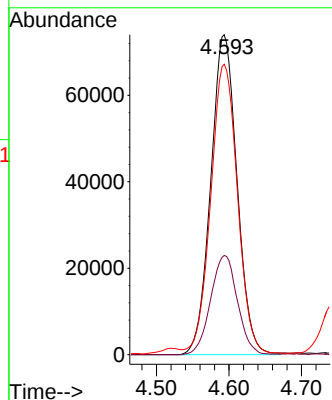
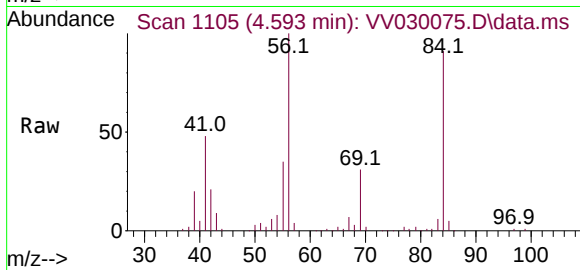




#29
Cyclohexane
Concen: 42.496 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

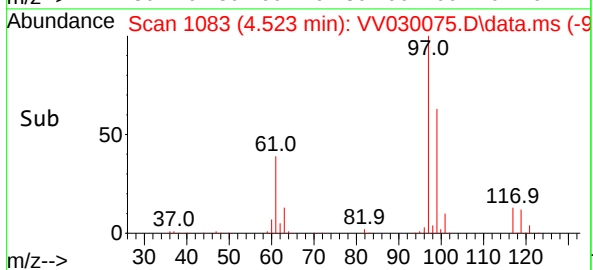
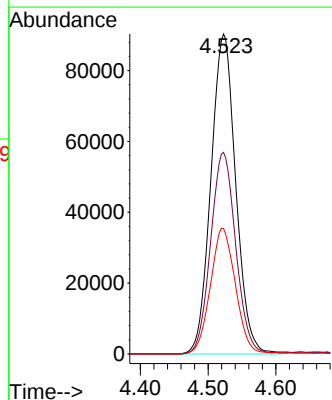
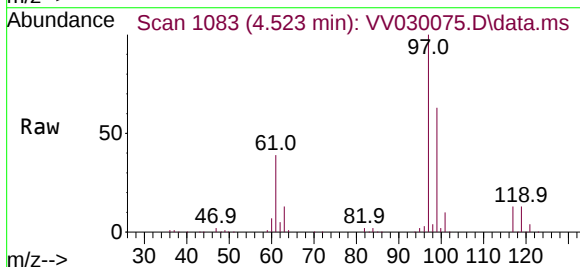
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

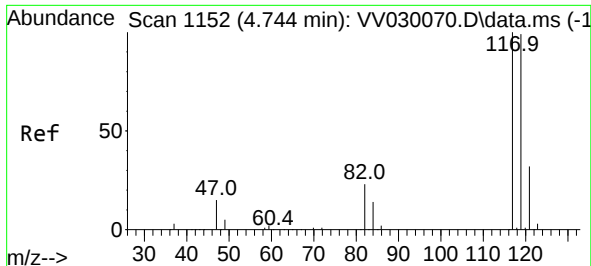
Tgt Ion: 56 Resp: 186314
Ion Ratio Lower Upper
56 100
69 31.7 25.3 37.9
84 91.4 73.0 109.4



#30
1,1,1-Trichloroethane
Concen: 49.155 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 97 Resp: 229748
Ion Ratio Lower Upper
97 100
99 63.7 50.7 76.1
61 39.6 31.6 47.4

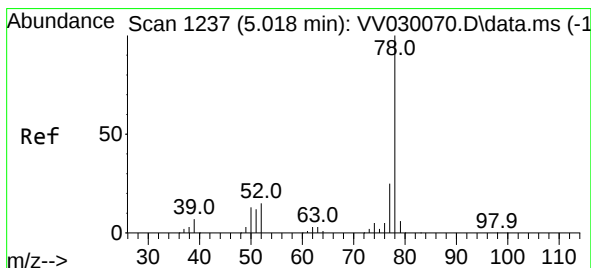
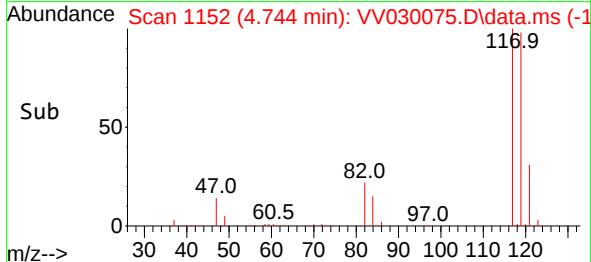
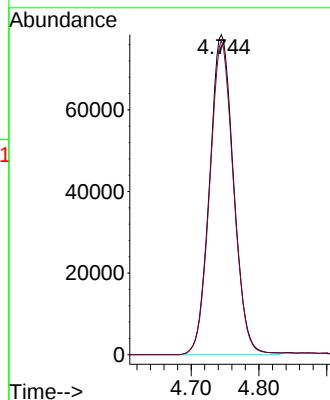
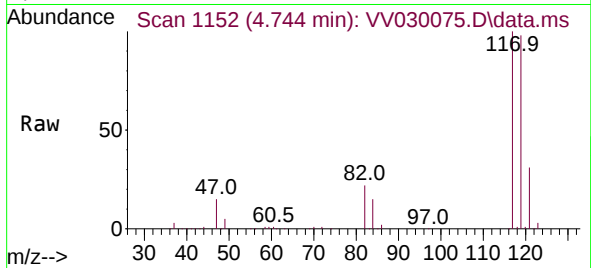




#31
Carbon tetrachloride
Concen: 47.063 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

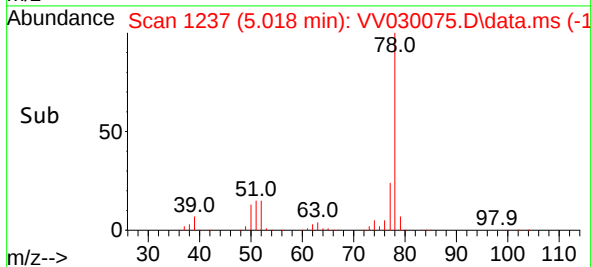
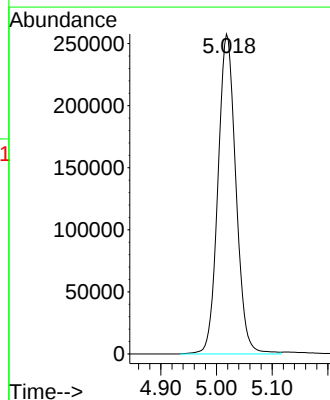
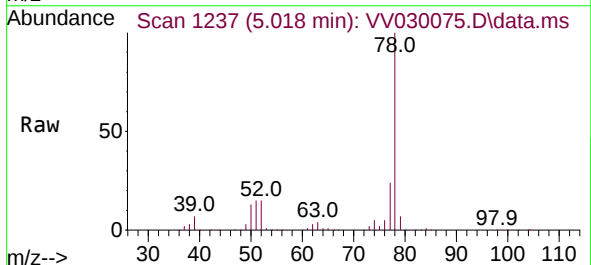
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

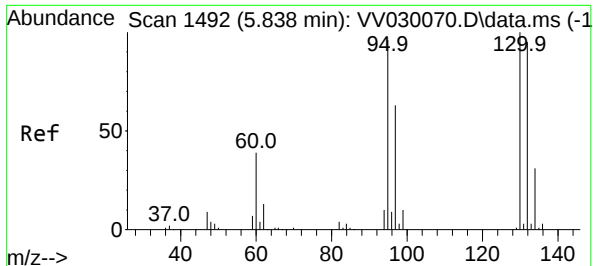
Tgt Ion:117 Resp: 193108
Ion Ratio Lower Upper
117 100
119 96.9 76.8 115.2



#33
Benzene
Concen: 51.989 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 78 Resp: 577122

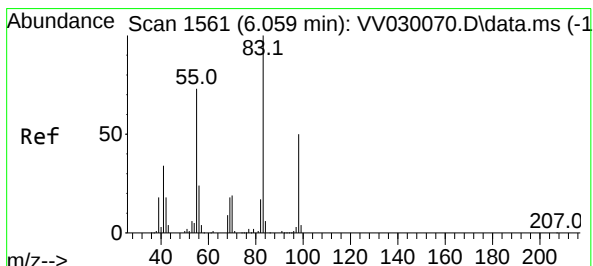
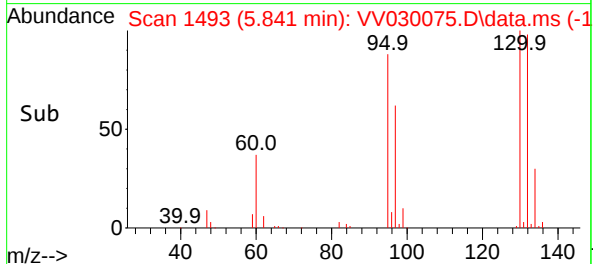
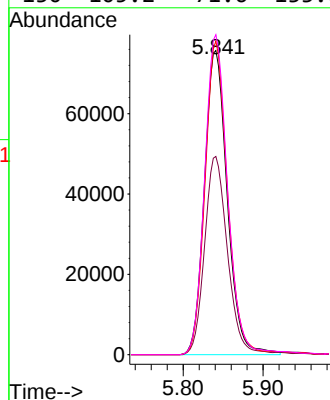
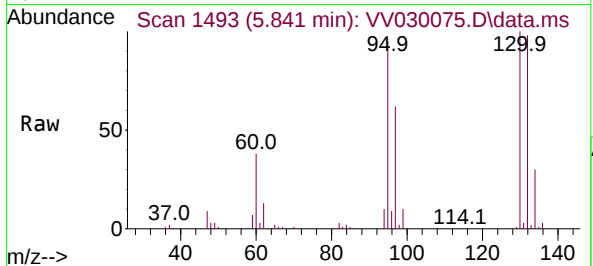




#34
Trichloroethene
Concen: 49.973 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

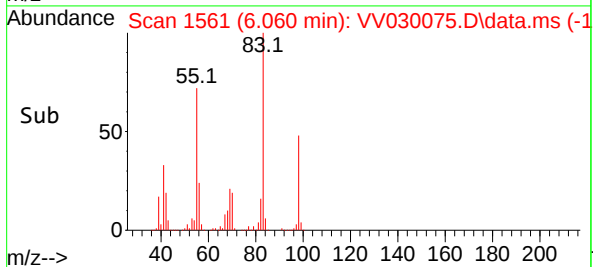
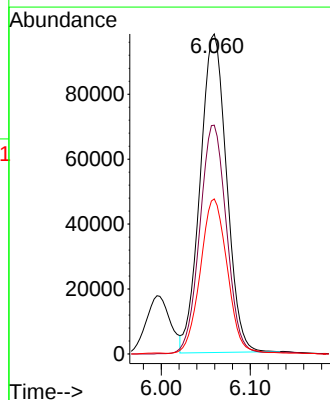
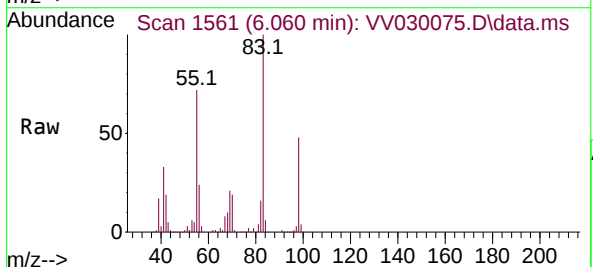
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

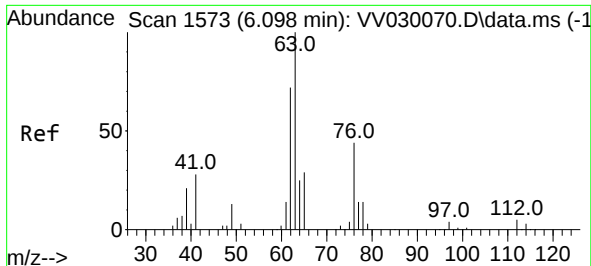
Tgt Ion: 95 Resp: 150987
Ion Ratio Lower Upper
95 100
97 65.2 44.1 81.9
132 103.1 68.3 126.9
130 105.2 71.6 133.0



#35
Methylcyclohexane
Concen: 42.114 ug/L
RT: 6.060 min Scan# 1561
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 83 Resp: 201990
Ion Ratio Lower Upper
83 100
55 72.4 58.4 87.6
98 49.4 39.8 59.8





#37

1,2-Dichloropropane

Concen: 54.236 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

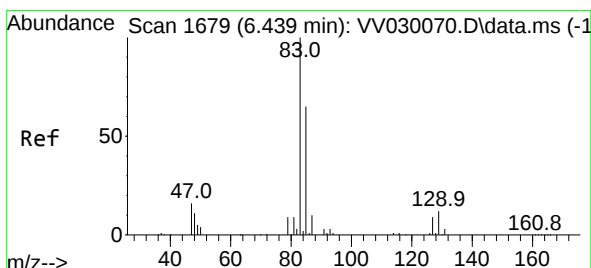
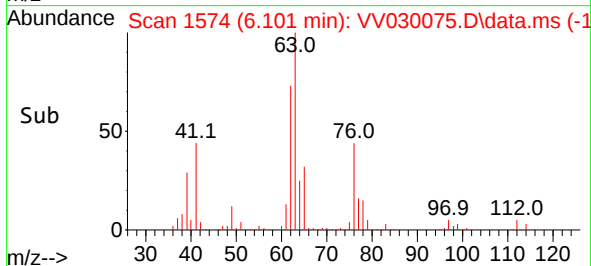
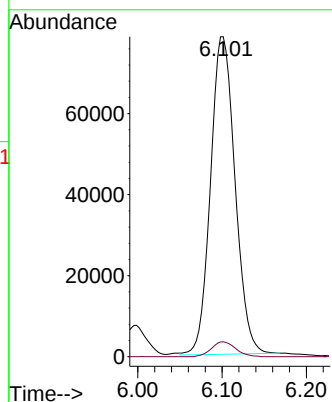
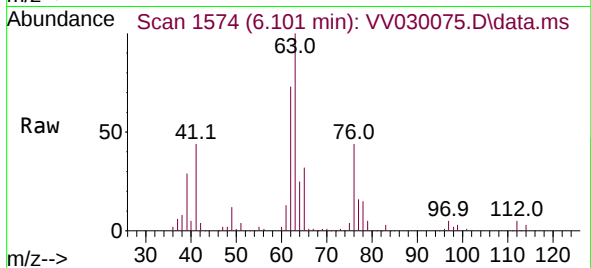
VSTD050284

Tgt Ion: 63 Resp: 158555

Ion Ratio Lower Upper

63 100

112 4.6 3.7 5.5



#38

Bromodichloromethane

Concen: 55.146 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

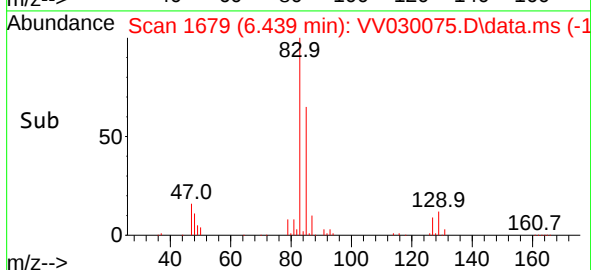
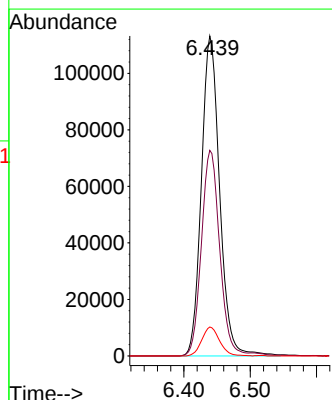
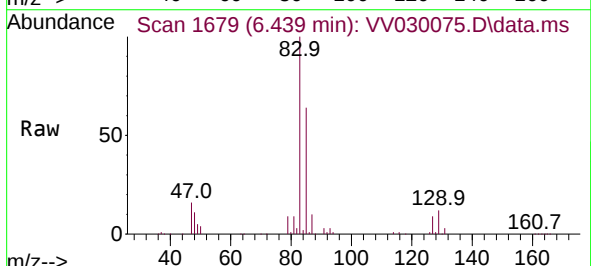
Tgt Ion: 83 Resp: 216537

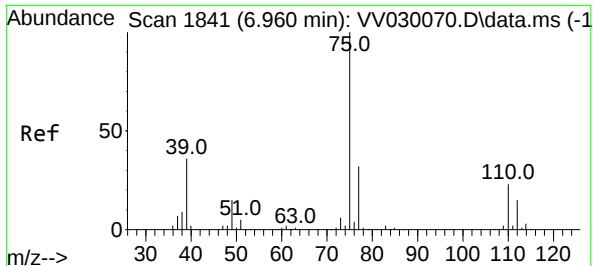
Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5

127 9.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 54.099 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

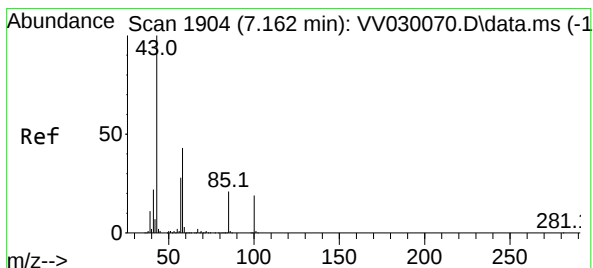
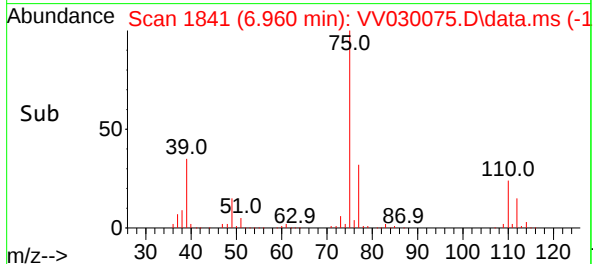
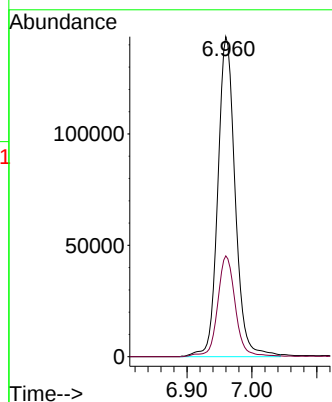
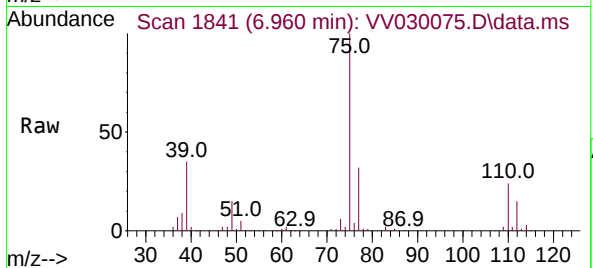
VSTD050284

Tgt Ion: 75 Resp: 265857

Ion Ratio Lower Upper

75 100

77 31.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 110.260 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

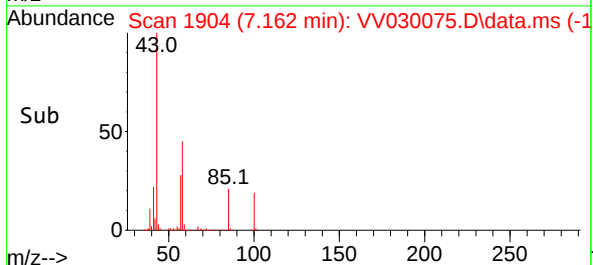
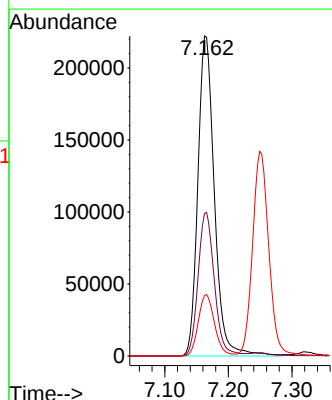
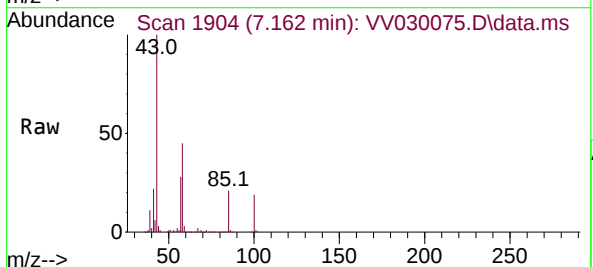
Tgt Ion: 43 Resp: 400732

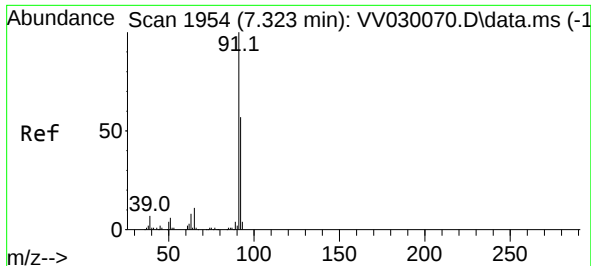
Ion Ratio Lower Upper

43 100

58 44.2 34.8 52.2

100 18.8 14.6 22.0





#42

Toluene

Concen: 50.593 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

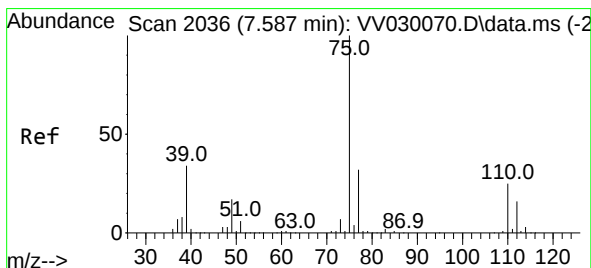
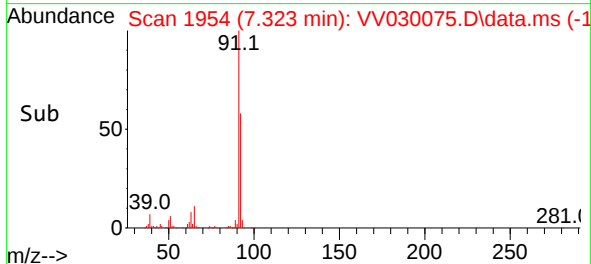
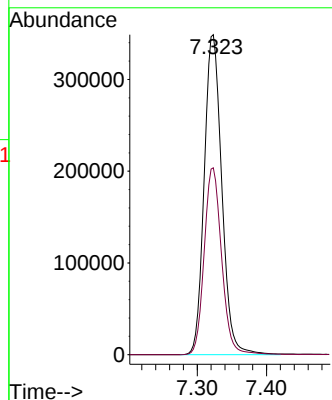
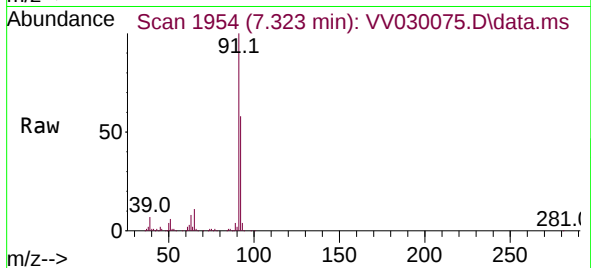
VSTD050284

Tgt Ion: 91 Resp: 614559

Ion Ratio Lower Upper

91 100

92 58.4 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 54.496 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV030075.D

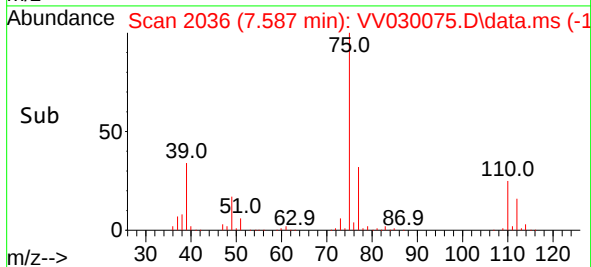
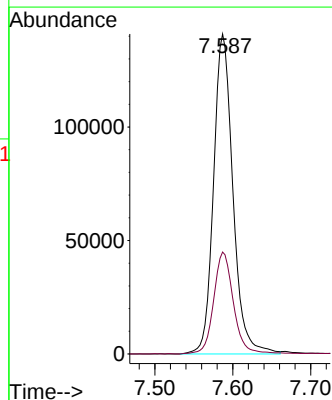
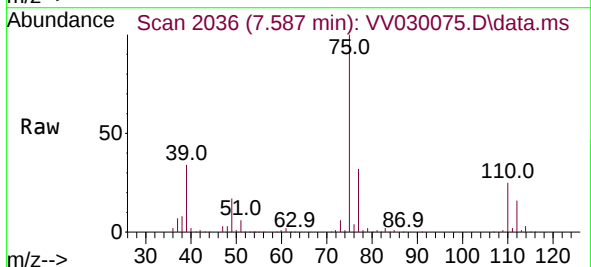
Acq: 20 Feb 2023 13:58

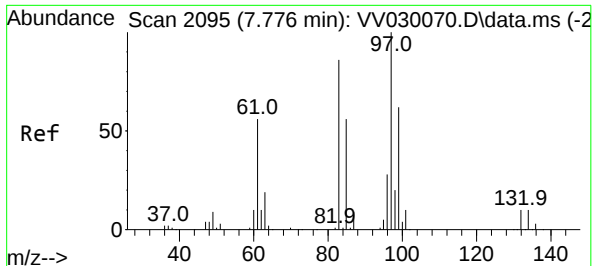
Tgt Ion: 75 Resp: 243561

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5

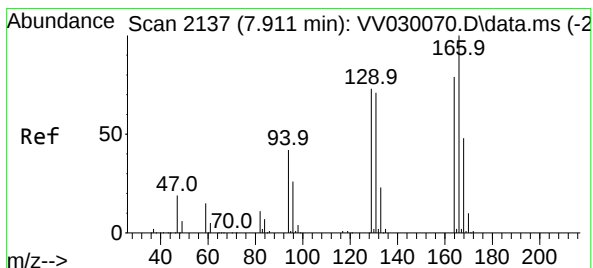
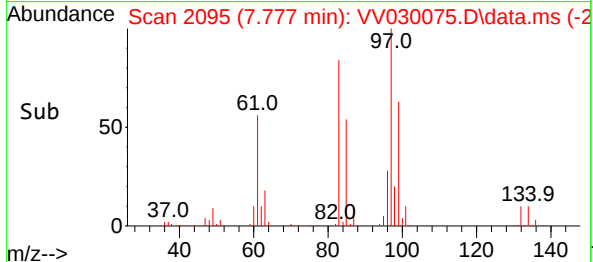
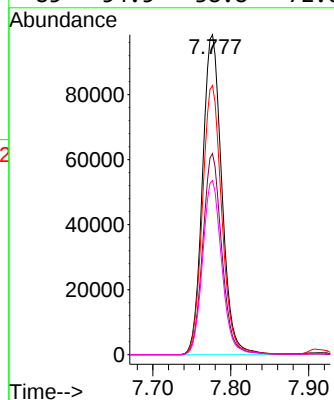
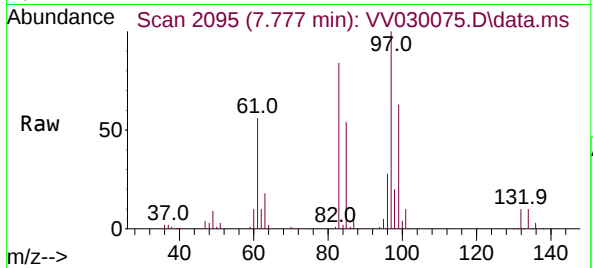




#45
1,1,2-Trichloroethane
Concen: 55.879 ug/L
RT: 7.777 min Scan# 2095
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

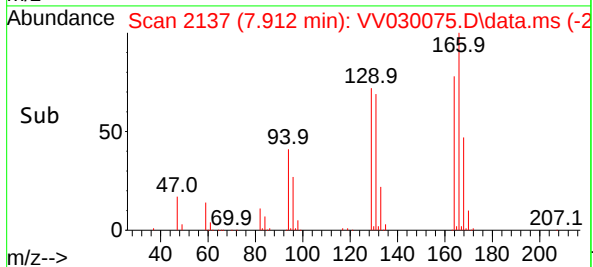
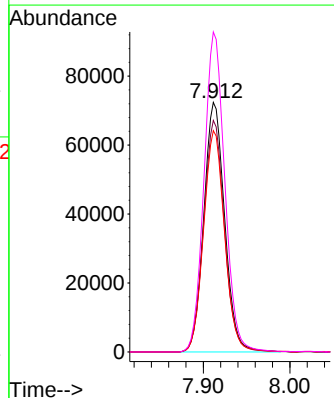
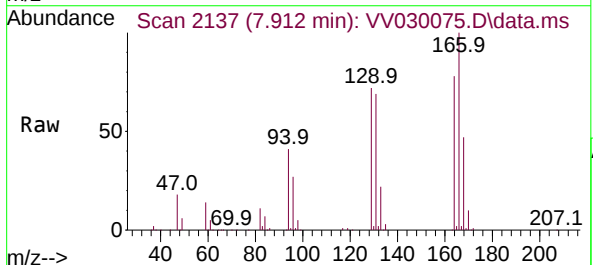
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

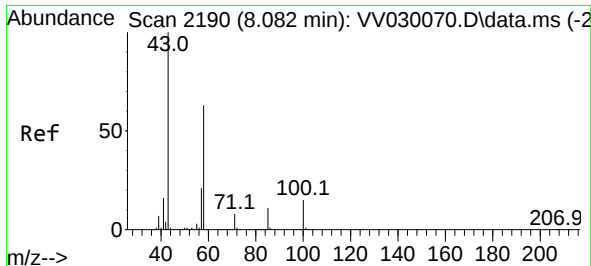
Tgt Ion:	97	Resp:	169548
Ion	Ratio	Lower	Upper
97	100		
99	62.9	43.8	81.4
83	84.1	59.9	111.3
85	54.5	38.8	72.0



#46
Tetrachloroethene
Concen: 47.716 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion:	164	Resp:	121198
Ion	Ratio	Lower	Upper
164	100		
129	92.8	65.2	121.0
131	88.7	63.1	117.3
166	128.2	88.7	164.7



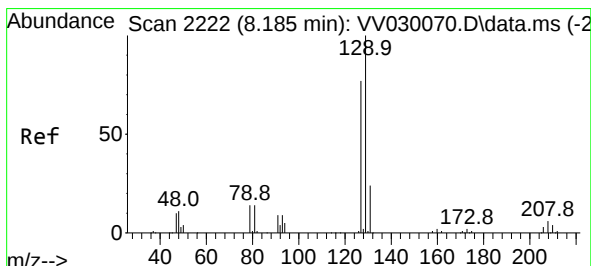
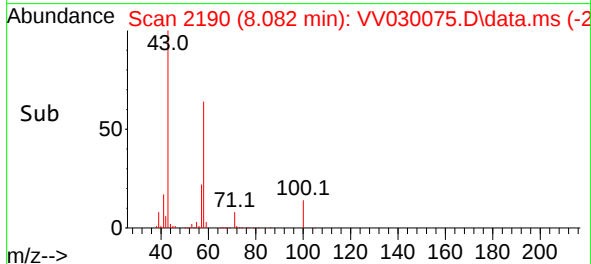
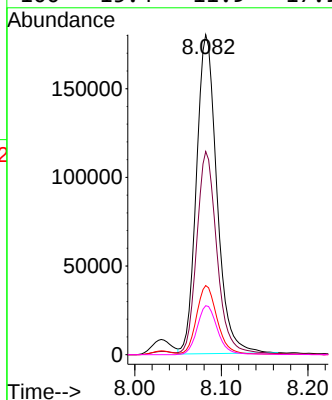
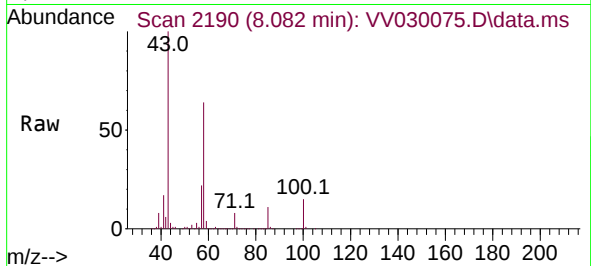


#48
2-Hexanone
Concen: 105.669 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

Tgt Ion: 43 Resp: 295972

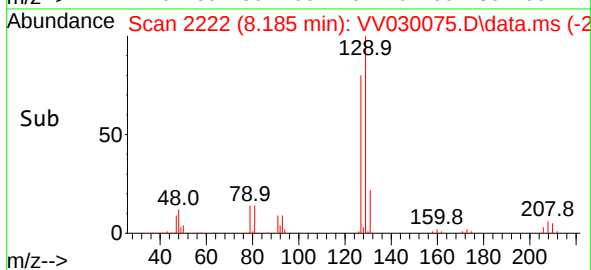
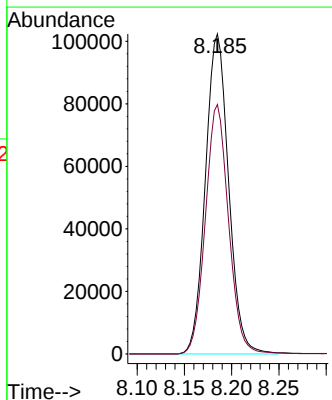
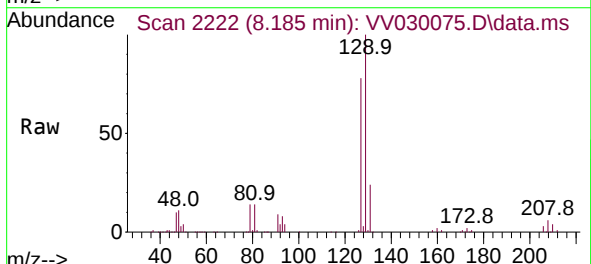
Ion	Ratio	Lower	Upper
43	100		
58	63.0	49.9	74.9
57	21.7	17.4	26.0
100	15.4	11.9	17.9

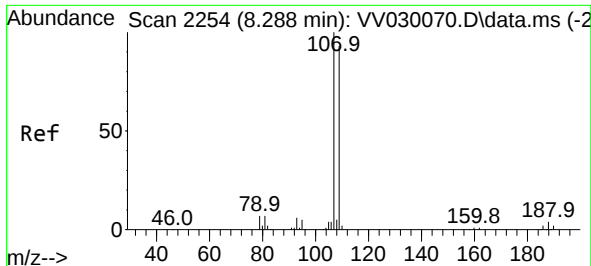


#49
Dibromochloromethane
Concen: 55.577 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 129 Resp: 174832

Ion	Ratio	Lower	Upper
129	100		
127	78.0	54.9	102.1





#50

1,2-Dibromoethane

Concen: 54.851 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

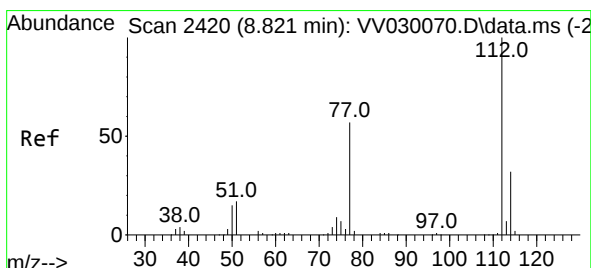
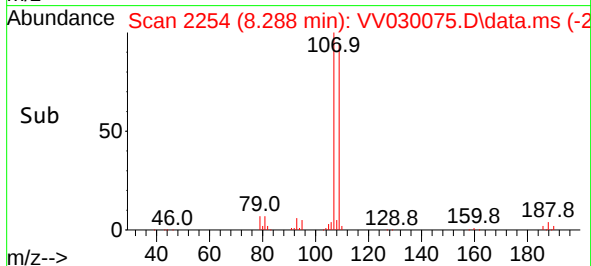
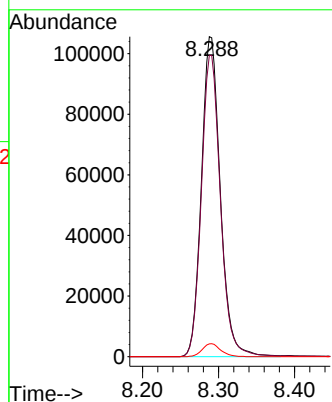
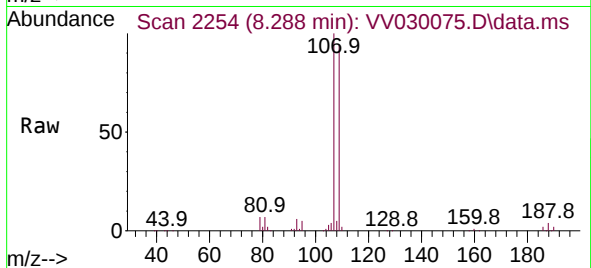
Tgt Ion:107 Resp: 182584

Ion Ratio Lower Upper

107 100

109 94.1 66.0 122.6

188 4.0 3.4 5.0



#51

Chlorobenzene

Concen: 51.274 ug/L

RT: 8.822 min Scan# 2420

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

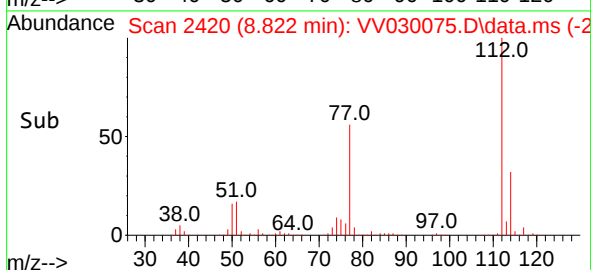
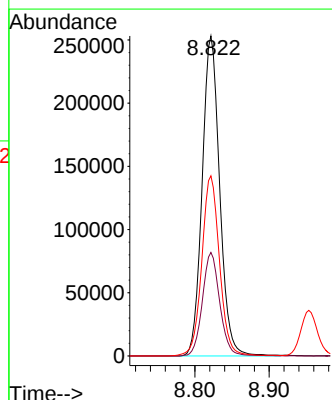
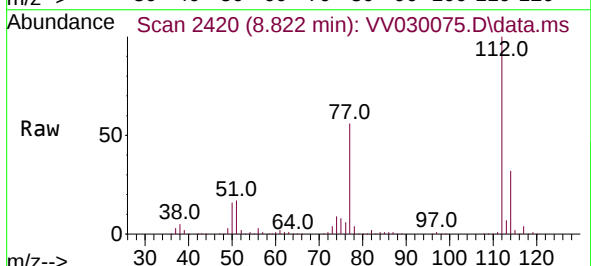
Tgt Ion:112 Resp: 415074

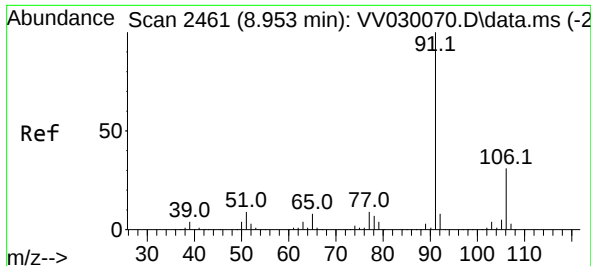
Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

77 56.3 46.0 69.0

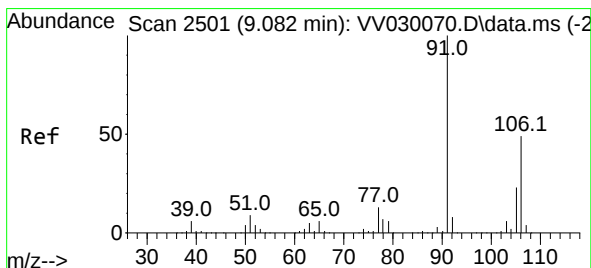
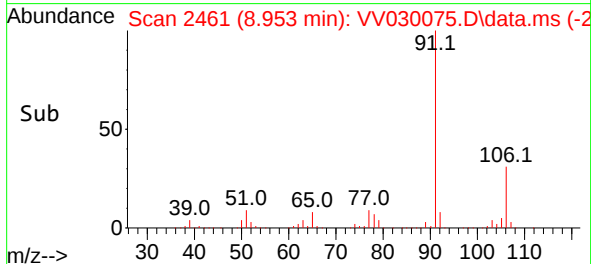
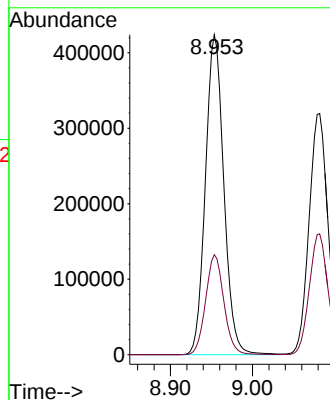
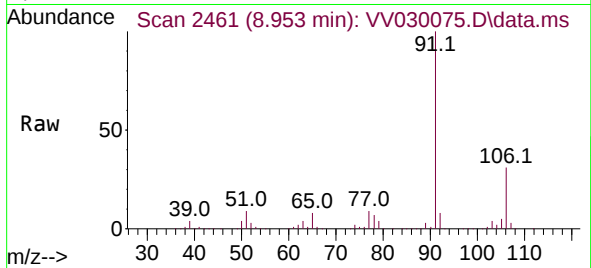




#52
Ethylbenzene
Concen: 49.066 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

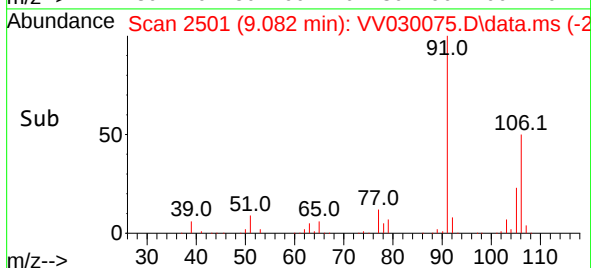
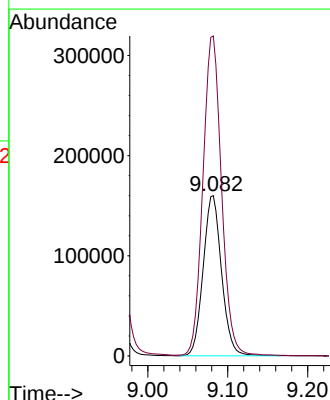
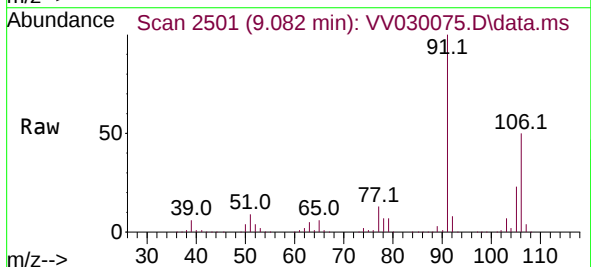
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

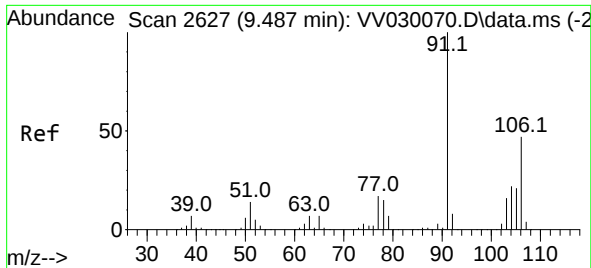
Tgt Ion: 91 Resp: 659912
Ion Ratio Lower Upper
91 100
106 31.3 22.0 40.8



#53
m,p-Xylene
Concen: 49.746 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 106 Resp: 255619
Ion Ratio Lower Upper
106 100
91 199.5 142.0 263.8

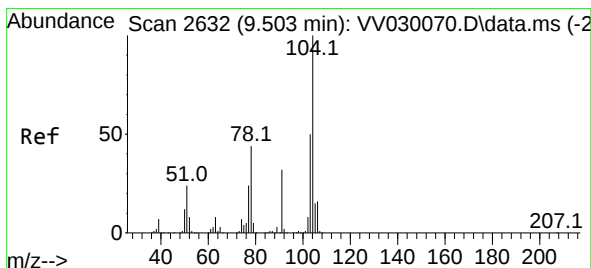
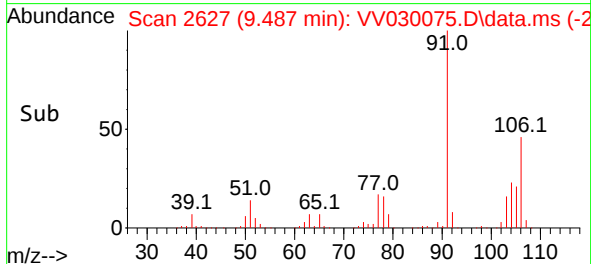
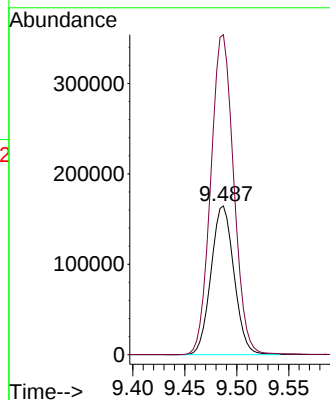
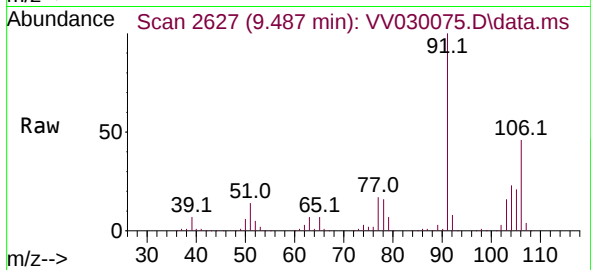




#54
o-Xylene
Concen: 51.151 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

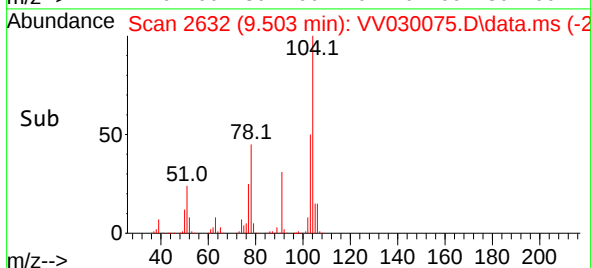
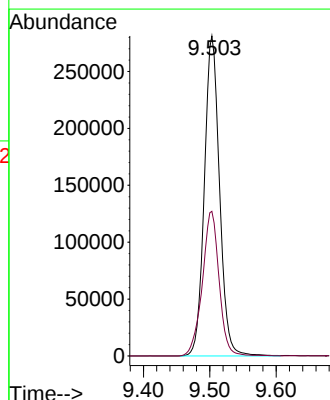
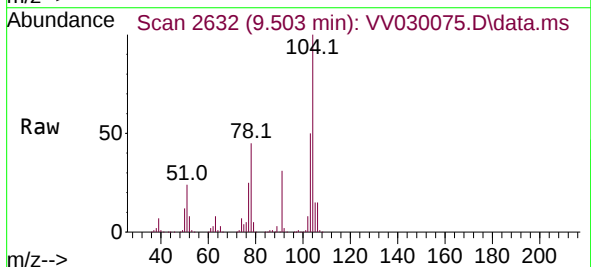
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

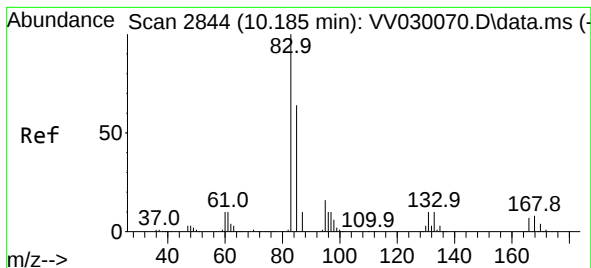
Tgt Ion:106 Resp: 253305
Ion Ratio Lower Upper
106 100
91 215.1 151.5 281.3



#55
Styrene
Concen: 52.971 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion:104 Resp: 448122
Ion Ratio Lower Upper
104 100
78 45.2 31.9 59.2

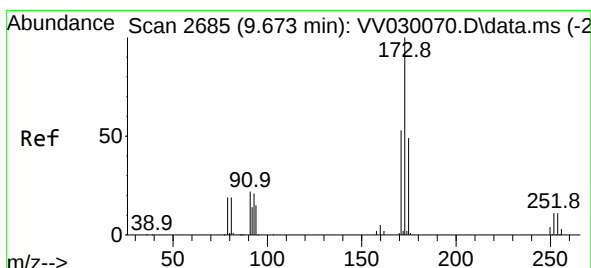
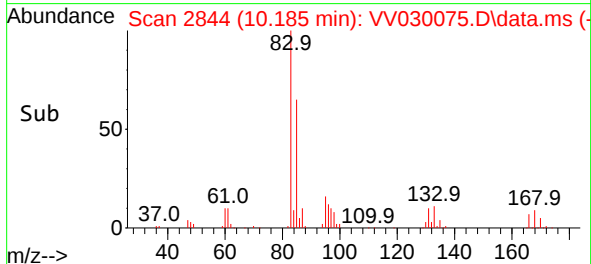
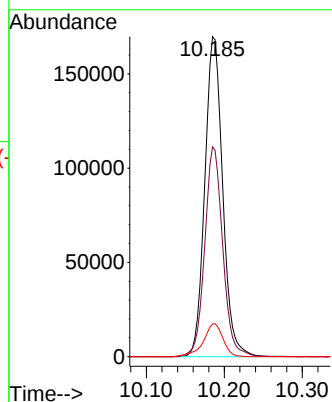
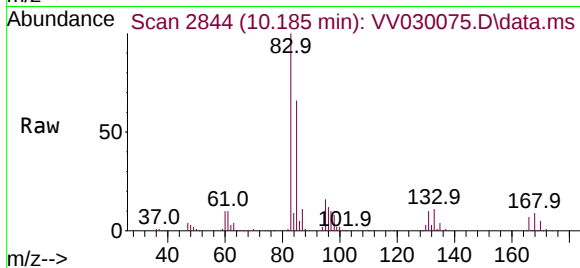




#57
1,1,2,2-Tetrachloroethane
Concen: 54.613 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

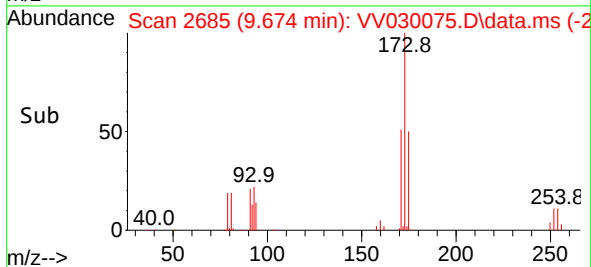
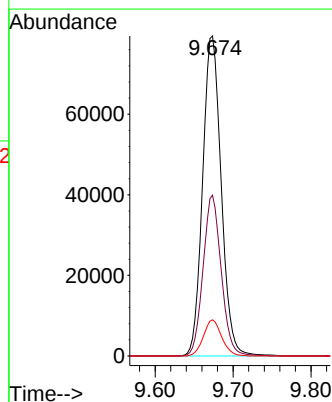
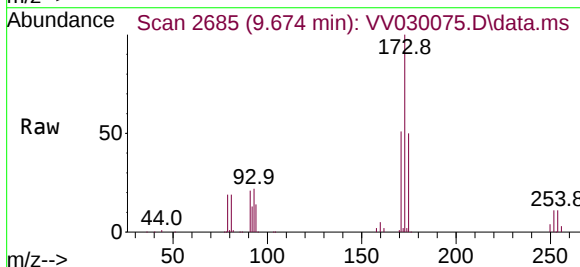
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

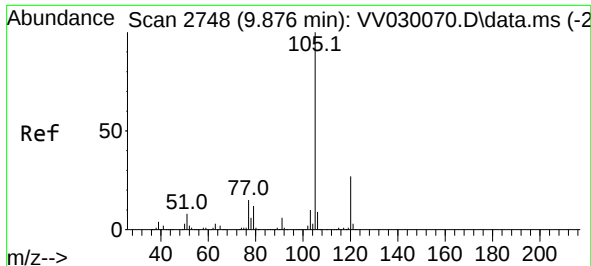
Tgt Ion: 83 Resp: 270878
Ion Ratio Lower Upper
83 100
85 65.6 45.5 84.5
131 10.2 8.3 12.5



#59
Bromoform
Concen: 59.117 ug/L
RT: 9.674 min Scan# 2685
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 173 Resp: 131609
Ion Ratio Lower Upper
173 100
175 49.1 38.7 58.1
254 11.1 8.7 13.1

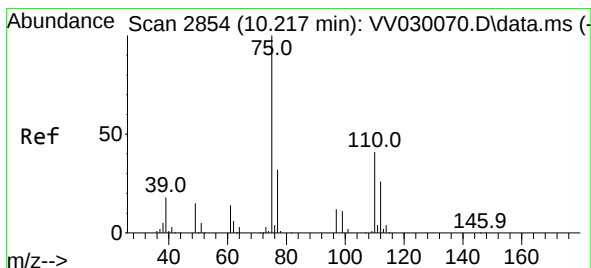
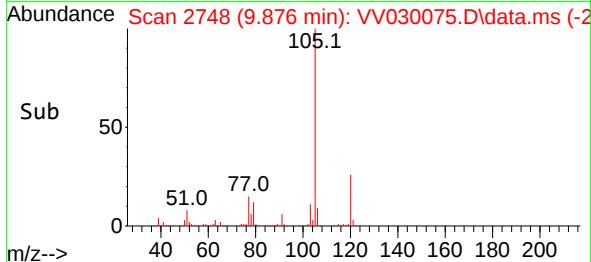
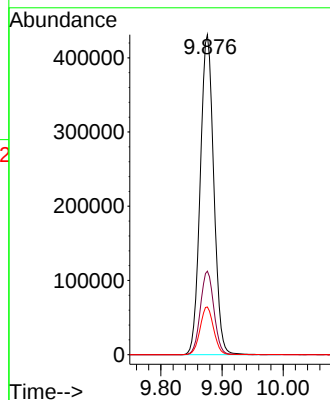
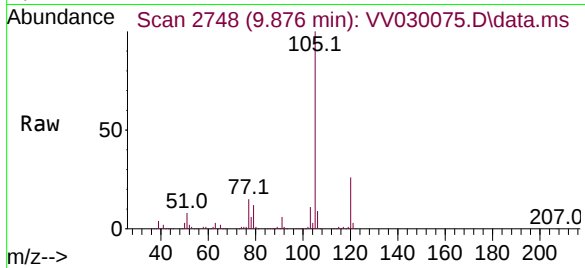




#60
Isopropylbenzene
Concen: 49.507 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

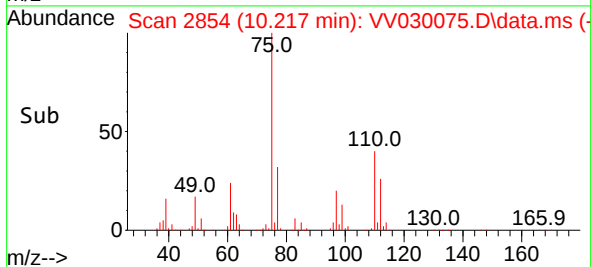
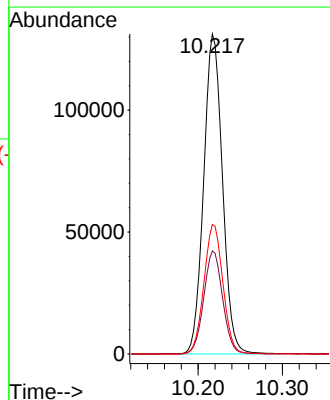
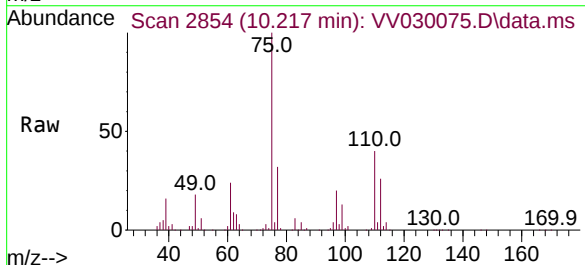
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

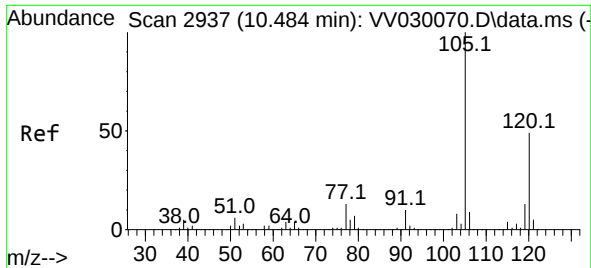
Tgt Ion:105 Resp: 661840
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.0
77 14.9 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 54.882 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 75 Resp: 204135
Ion Ratio Lower Upper
75 100
77 32.4 25.9 38.9
110 40.9 32.1 48.1





#62

1,3,5-Trimethylbenzene

Concen: 50.179 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

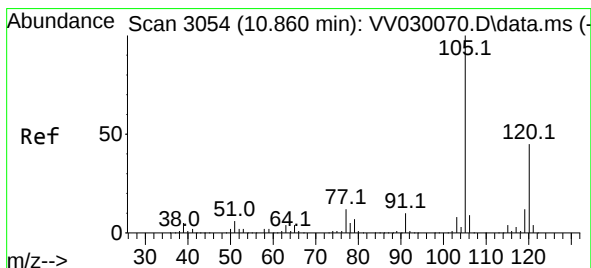
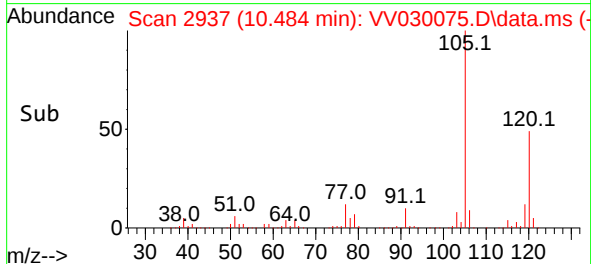
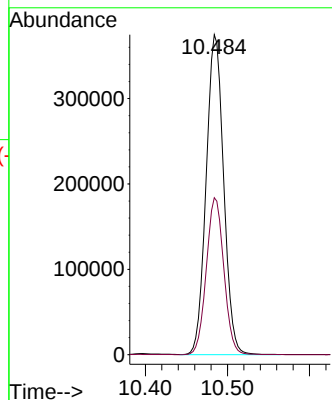
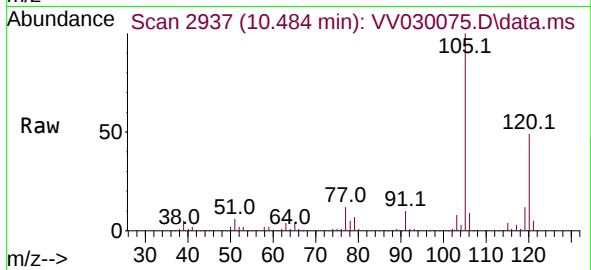
VSTD050284

Tgt Ion:105 Resp: 555597

Ion Ratio Lower Upper

105 100

120 49.1 39.0 58.4



#63

1,2,4-Trimethylbenzene

Concen: 50.830 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030075.D

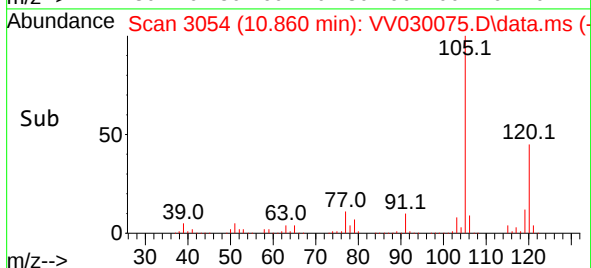
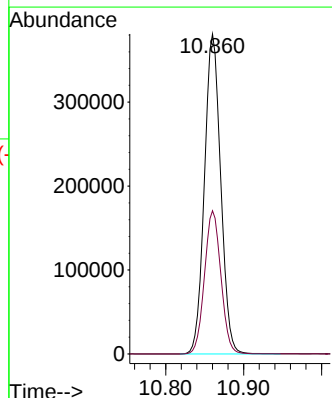
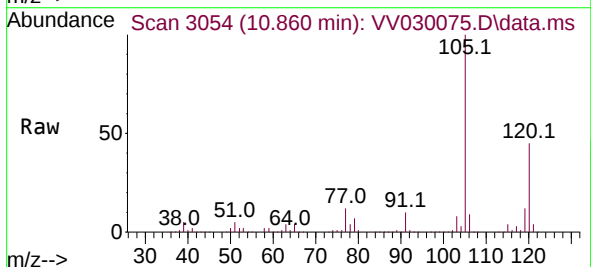
Acq: 20 Feb 2023 13:58

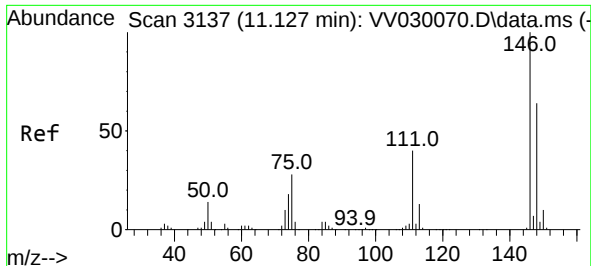
Tgt Ion:105 Resp: 553152

Ion Ratio Lower Upper

105 100

120 45.0 36.3 54.5





#64

1,3-Dichlorobenzene

Concen: 50.929 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

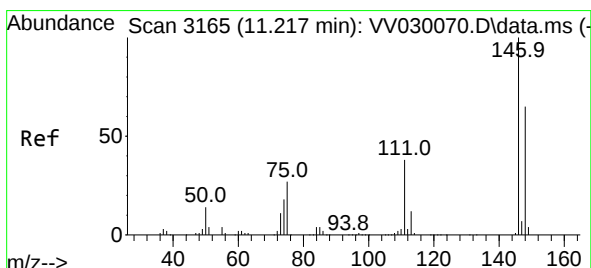
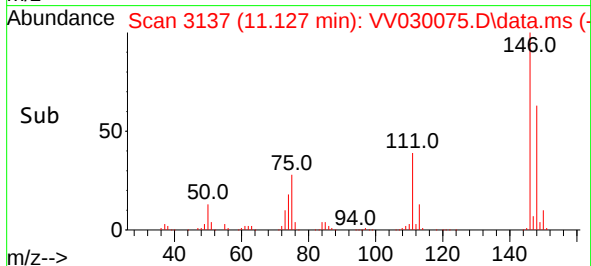
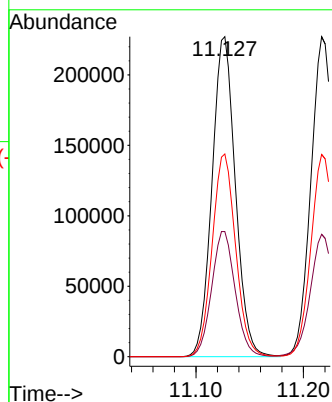
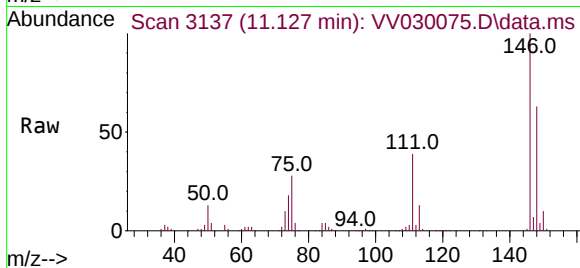
Tgt Ion:146 Resp: 343110

Ion Ratio Lower Upper

146 100

111 39.1 28.2 52.4

148 63.3 45.3 84.1



#65

1,4-Dichlorobenzene

Concen: 50.361 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

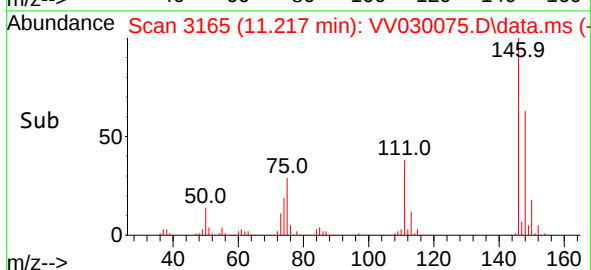
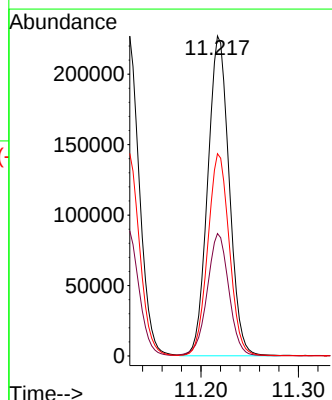
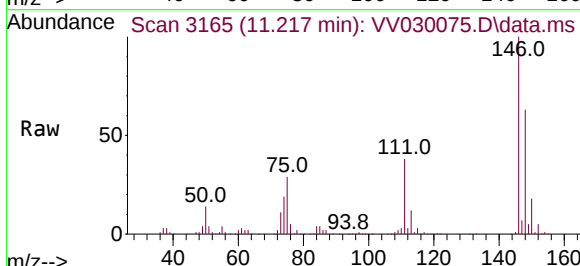
Tgt Ion:146 Resp: 347164

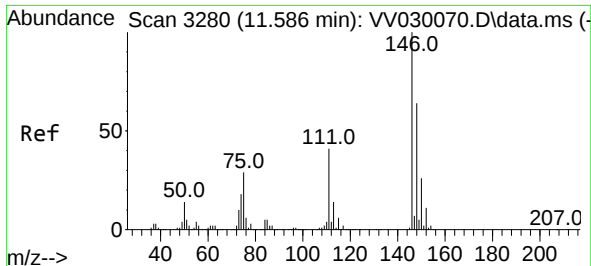
Ion Ratio Lower Upper

146 100

111 38.2 27.1 50.3

148 63.2 44.9 83.5

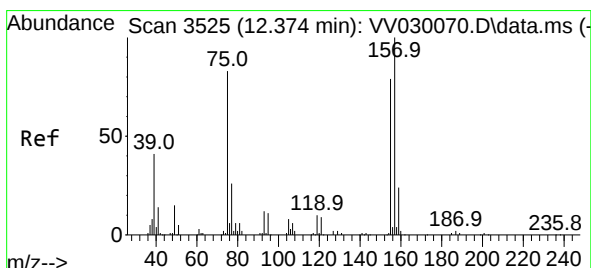
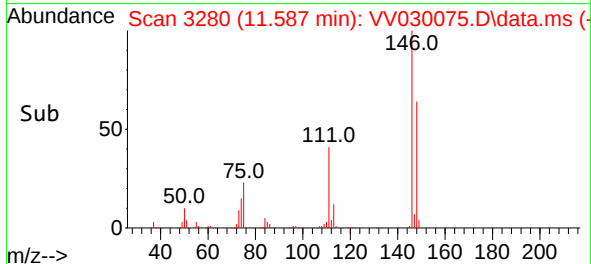
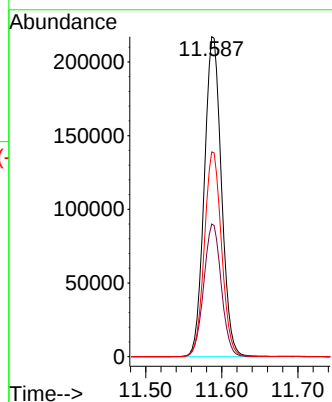
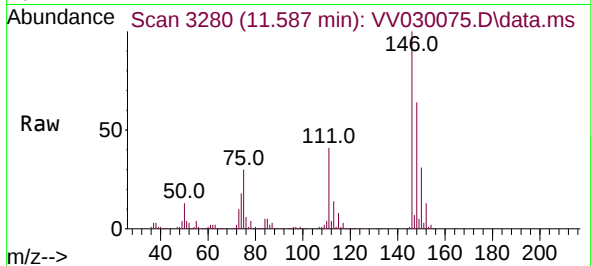




#67
1,2-Dichlorobenzene
Concen: 50.637 ug/L
RT: 11.587 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

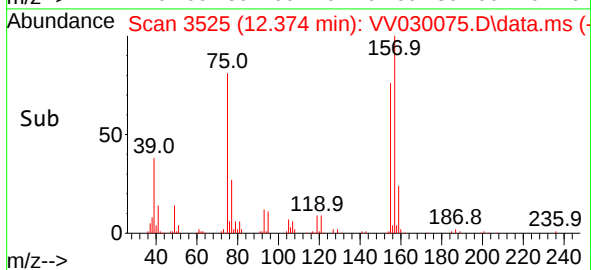
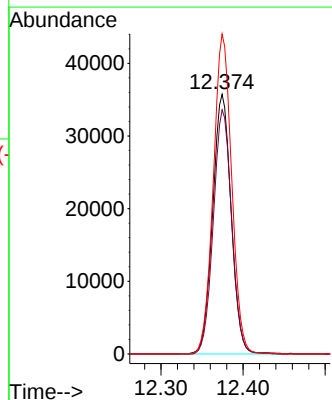
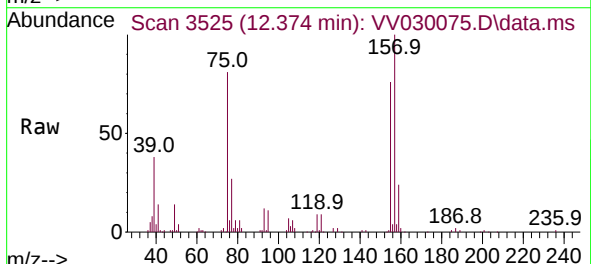
Instrument :
MSVOA_V
ClientSampleId :
VSTD050284

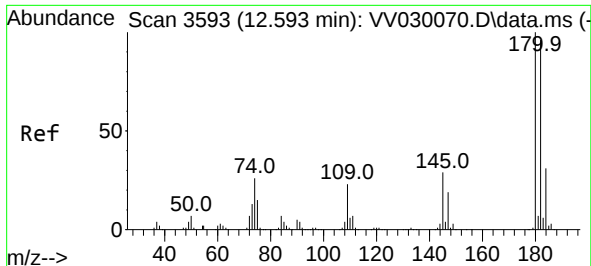
Tgt Ion:146 Resp: 339654
Ion Ratio Lower Upper
146 100
111 41.4 33.0 49.4
148 64.0 50.7 76.1



#68
1,2-Dibromo-3-chloropropane
Concen: 51.586 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.000 min
Lab File: VV030075.D
Acq: 20 Feb 2023 13:58

Tgt Ion: 75 Resp: 55980
Ion Ratio Lower Upper
75 100
155 94.0 76.2 114.2
157 123.2 96.0 144.0





#69

1,3,5-Trichlorobenzene

Concen: 48.685 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

Tgt Ion:180 Resp: 261735

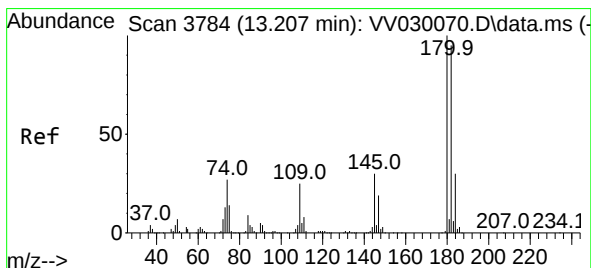
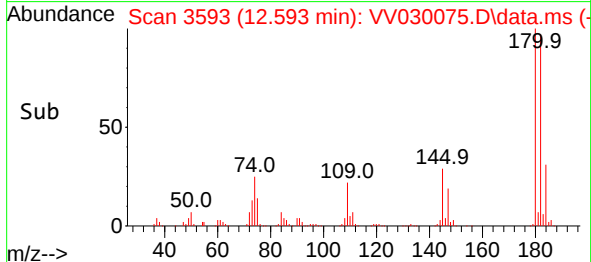
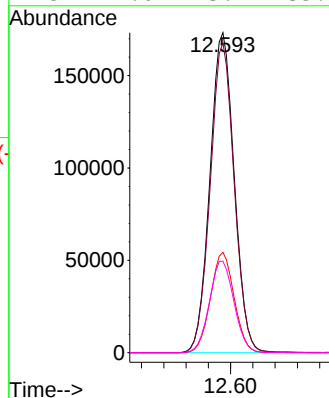
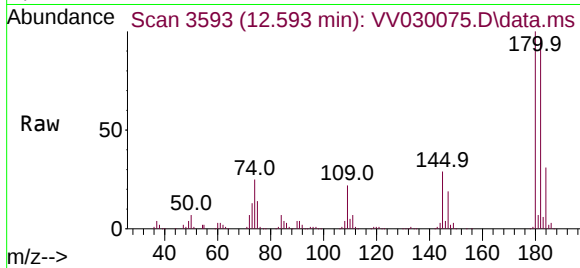
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

184 30.6 24.5 36.7

145 29.0 23.4 35.2



#70

1,2,4-trichlorobenzene

Concen: 49.380 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

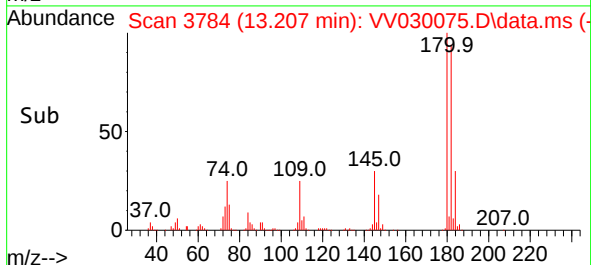
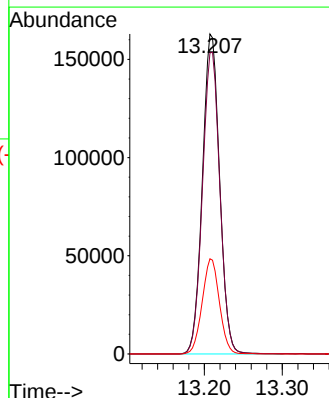
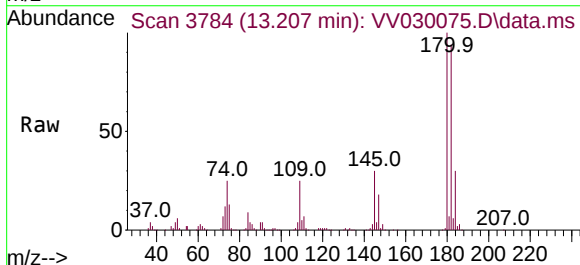
Tgt Ion:180 Resp: 249522

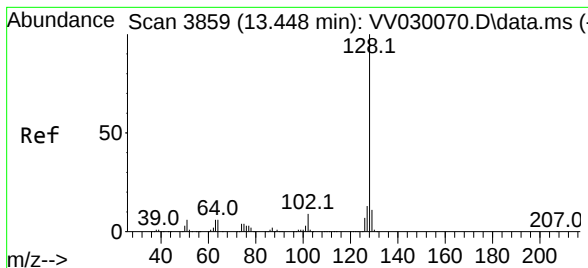
Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 29.7 24.3 36.5





#71

Naphthalene

Concen: 52.220 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050284

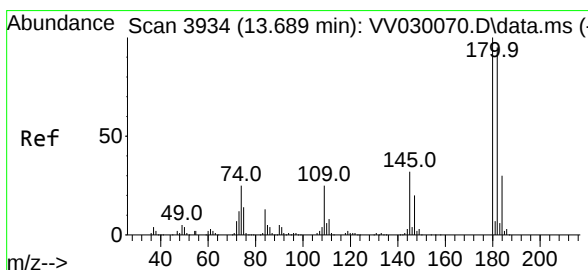
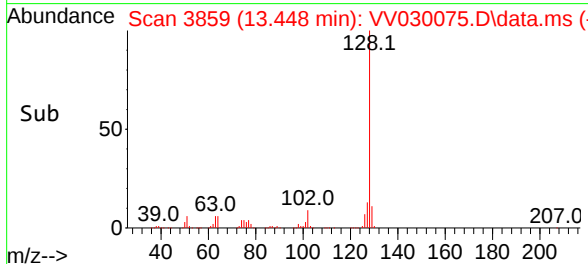
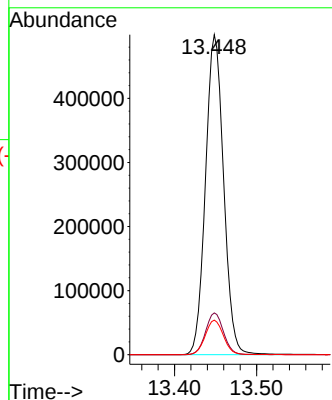
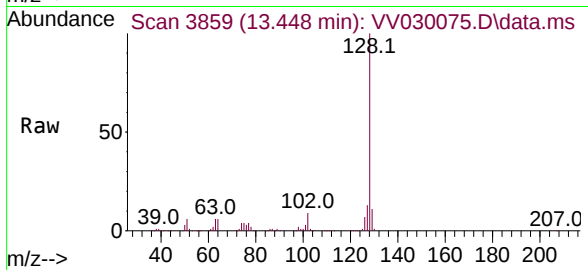
Tgt Ion:128 Resp: 765391

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: 50.955 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030075.D

Acq: 20 Feb 2023 13:58

Tgt Ion:180 Resp: 252691

Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

145 31.2 25.0 37.6

