

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032223\
 Data File : VW030290.D
 Acq On : 22 Mar 2023 13:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005312

Quant Time: Mar 23 01:30:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 22 06:04:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	121994	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	114830	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	68333	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	39828	5.046	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.536	69	36190	4.884	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.066	63	85884	5.292	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.800%
20) 2-Butanone-d5	3.838	46	23835	16.378	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	32.760%#
24) Chloroform-d	4.259	84	80750	5.008	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	4.957	65	41604	6.320	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.400%
32) Benzene-d6	4.969	84	145345	4.704	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
36) 1,2-Dichloropropane-d6	5.998	67	38385	4.129	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.600%
41) Toluene-d8	7.252	98	141169	4.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
43) trans-1,3-Dichloroprop...	7.561	79	16752	5.268	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.400%
46) 2-Hexanone-d5	8.037	63	63294	48.106	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.220%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	29443	4.452	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.570	152	56278	4.868	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	44144	4.447	ug/L	97
3) Chloromethane	1.217	50	57535	3.679	ug/L	99
5) Vinyl chloride	1.285	62	45296	4.358	ug/L	99
6) Bromomethane	1.490	94	11592	6.213	ug/L	99
8) Chloroethane	1.552	64	28801	4.548	ug/L	99
9) Trichlorofluoromethane	1.716	101	86739	5.816	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	46091	4.983	ug/L	96
12) 1,1-Dichloroethene	2.072	96	38648	4.721	ug/L	77
13) Acetone	2.175	43	59916	55.702	ug/L	85
14) Carbon disulfide	2.246	76	76089	3.473	ug/L	99
15) Methyl Acetate	2.394	43	10800	4.299	ug/L #	87
16) Methylene chloride	2.452	84	42583	4.258	ug/L	95
17) Methyl tert-butyl Ether	2.716	73	86045	5.374	ug/L #	93
18) trans-1,2-Dichloroethene	2.699	96	33797	4.340	ug/L	95
19) 1,1-Dichloroethane	3.121	63	69044	4.759	ug/L	99
21) 2-Butanone	3.921	43	70009	48.394	ug/L	92
22) cis-1,2-Dichloroethene	3.828	96	40482	4.703	ug/L	93
23) Bromochloromethane	4.162	128	18159	4.936	ug/L	97
25) Chloroform	4.288	83	79366	5.259	ug/L	96

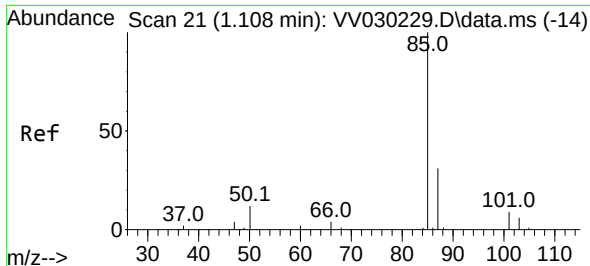
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032223\
 Data File : VW030290.D
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Instrument :
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 ClientSampleId :
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Quant Time: Mar 23 01:30:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 22 06:04:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	49302	6.245	ug/L #	94
29) 1,1,1-Trichloroethane	4.523	97	76757	5.690	ug/L	97
30) Cyclohexane	4.596	56	49517	4.248	ug/L	99
31) Carbon tetrachloride	4.744	117	69023	5.693	ug/L	99
33) Benzene	5.021	78	148686	4.741	ug/L	100
34) Trichloroethene	5.841	95	40070	4.560	ug/L	98
35) Methylcyclohexane	6.059	83	57741	4.342	ug/L	97
37) 1,2-Dichloropropane	6.104	63	37402	4.688	ug/L	98
38) Bromodichloromethane	6.442	83	53952	5.297	ug/L	97
39) cis-1,3-Dichloropropene	6.963	75	56572	4.844	ug/L	100
40) 4-Methyl-2-pentanone	7.172	43	196628	59.724	ug/L	92
42) Toluene	7.323	91	168096	4.949	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	49312	5.409	ug/L	96
45) 1,1,2-Trichloroethane	7.776	97	28093	4.921	ug/L	96
47) Tetrachloroethene	7.911	164	37271	4.941	ug/L	94
48) 2-Hexanone	8.088	43	142853	60.610	ug/L	93
49) Dibromochloromethane	8.185	129	35303	5.285	ug/L	94
50) 1,2-Dibromoethane	8.291	107	24383	4.578	ug/L	95
51) Chlorobenzene	8.821	112	113258	4.944	ug/L	99
52) Ethylbenzene	8.953	91	189142	5.117	ug/L	99
53) m,p-Xylene	9.082	106	75811	5.336	ug/L	96
54) o-Xylene	9.487	106	72155	5.317	ug/L	99
55) Styrene	9.503	104	127132	5.633	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.188	83	30865	4.833	ug/L	94
59) Bromoform	9.673	173	22252	5.433	ug/L	98
60) Isopropylbenzene	9.876	105	206370	5.249	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	22523	4.925	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	170929	5.292	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	176657	5.347	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	107608	5.256	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	105092	5.088	ug/L	97
67) 1,2-Dichlorobenzene	11.590	146	95267	5.270	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	5592	5.475	ug/L	89
69) 1,3,5-Trichlorobenzene	12.593	180	87473	5.198	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	71442	5.240	ug/L	97
71) Naphthalene	13.448	128	96305	5.405	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	59090	5.265	ug/L	99

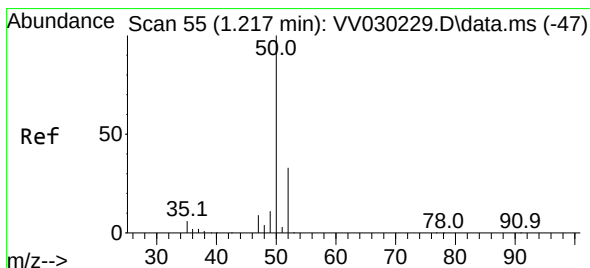
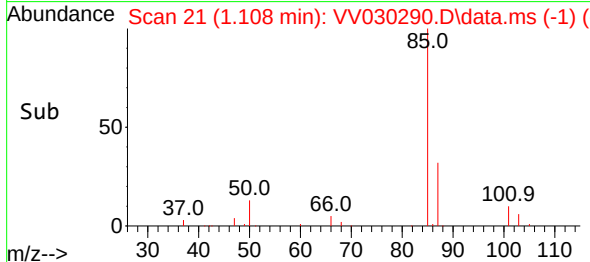
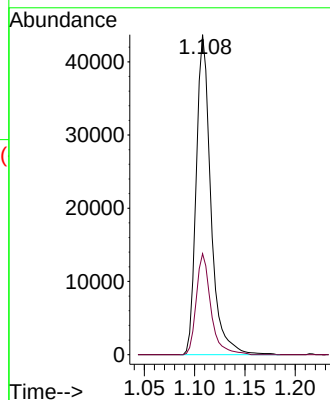
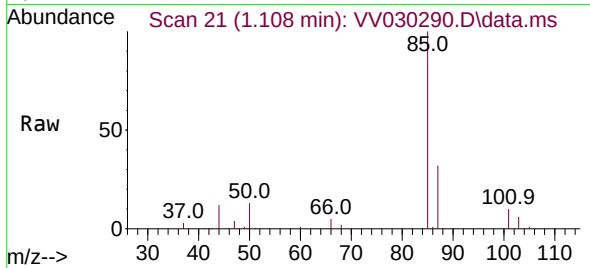
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#2
 Dichlorodifluoromethane
 Concen: 4.447 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

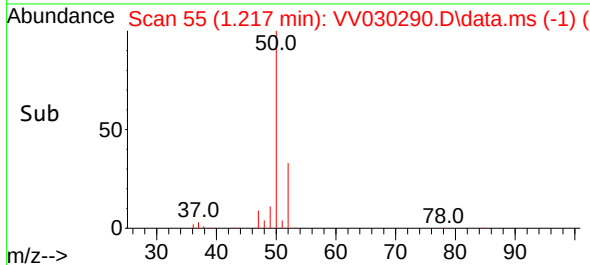
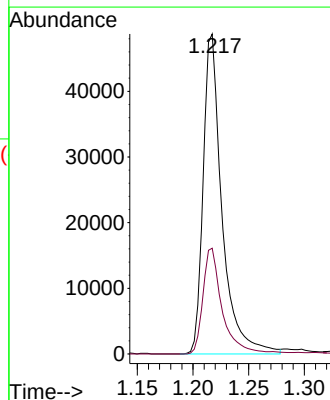
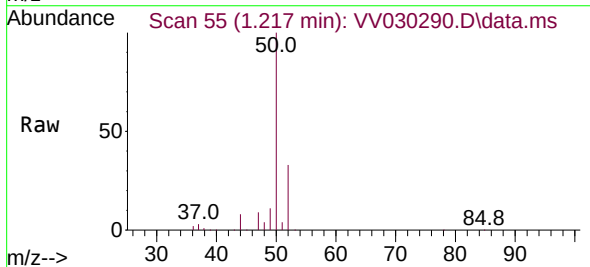
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005312

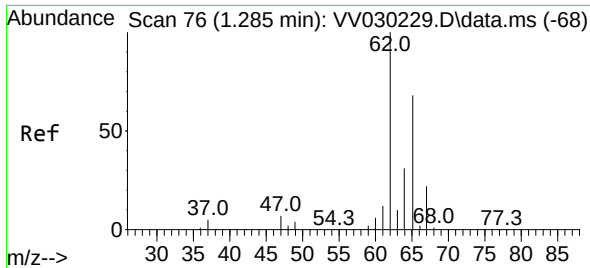
Tgt Ion: 85 Resp: 44144
 Ion Ratio Lower Upper
 85 100
 87 31.4 26.6 39.8



#3
 Chloromethane
 Concen: 3.679 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

Tgt Ion: 50 Resp: 57535
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.6 43.8

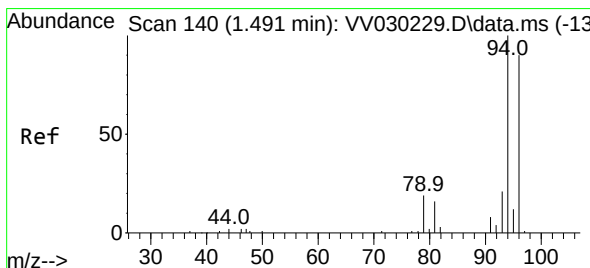
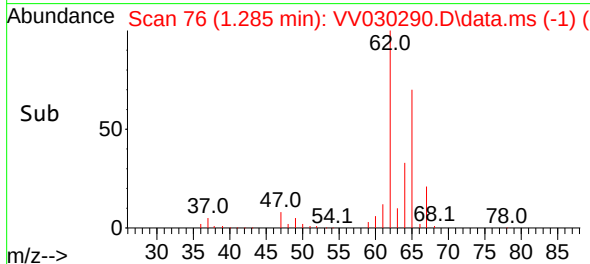
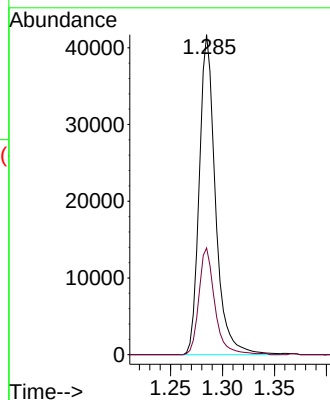
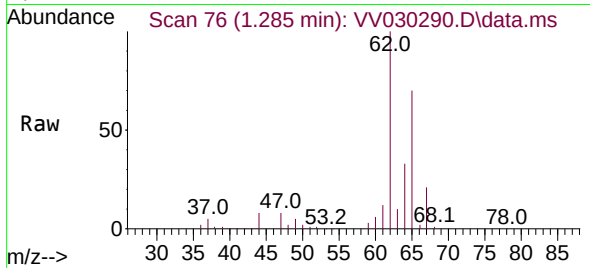




#5
 Vinyl chloride
 Concen: 4.358 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

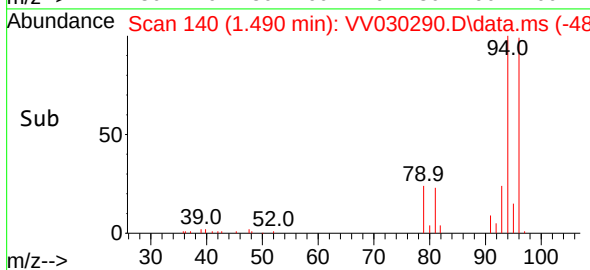
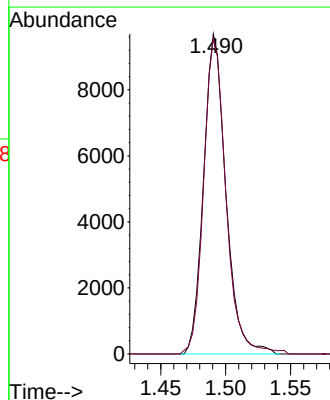
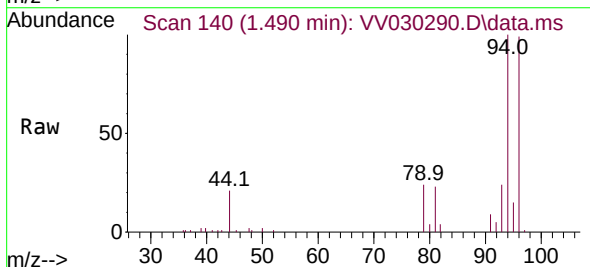
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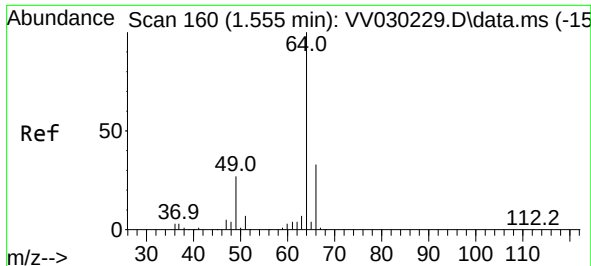
Tgt Ion: 62 Resp: 45296
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.1 42.9



#6
 Bromomethane
 Concen: 6.213 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.003 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

Tgt Ion: 94 Resp: 11592
 Ion Ratio Lower Upper
 94 100
 96 98.6 68.4 127.0





#8

Chloroethane

Concen: 4.548 ug/L

RT: 1.552 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

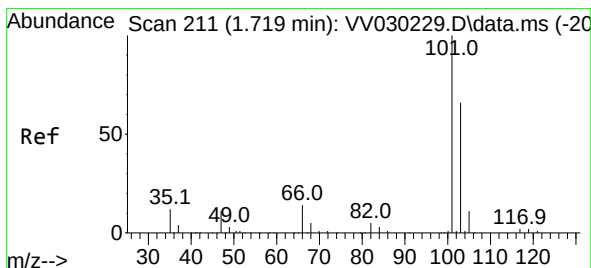
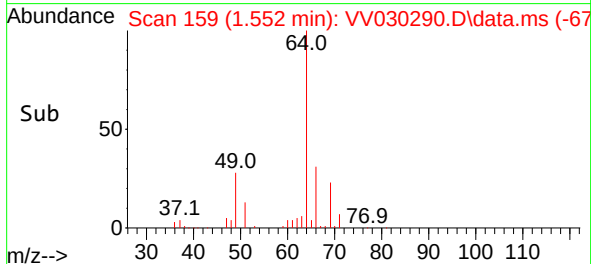
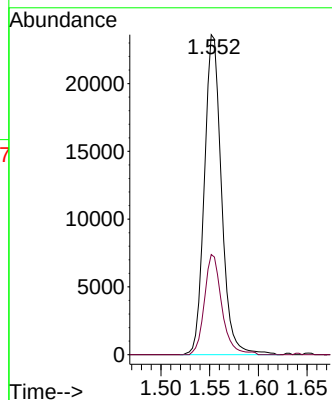
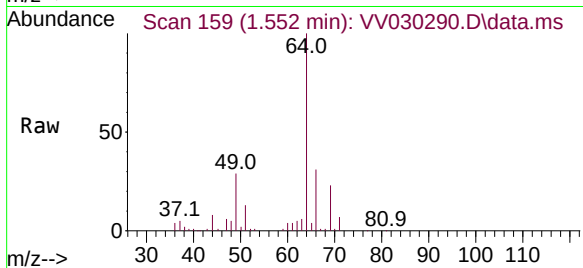
VSTD005312

Tgt Ion: 64 Resp: 28801

Ion Ratio Lower Upper

64 100

66 31.3 22.4 41.6



#9

Trichlorofluoromethane

Concen: 5.816 ug/L

RT: 1.716 min Scan# 210

Delta R.T. -0.003 min

Lab File: VV030290.D

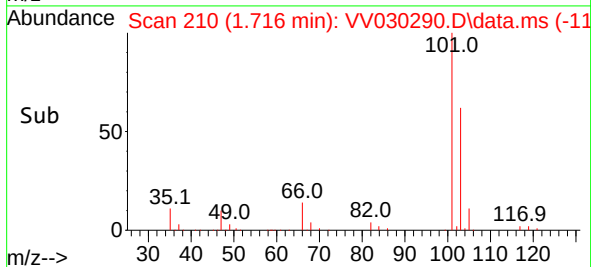
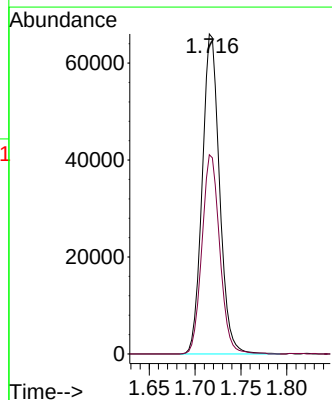
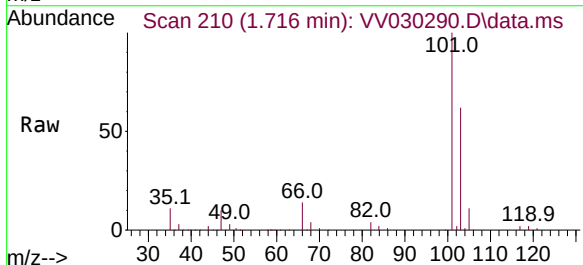
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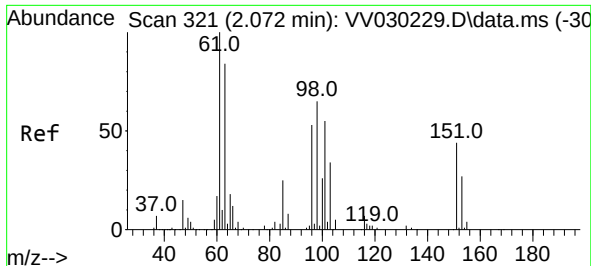
Tgt Ion: 101 Resp: 86739

Ion Ratio Lower Upper

101 100

103 64.0 52.7 79.1

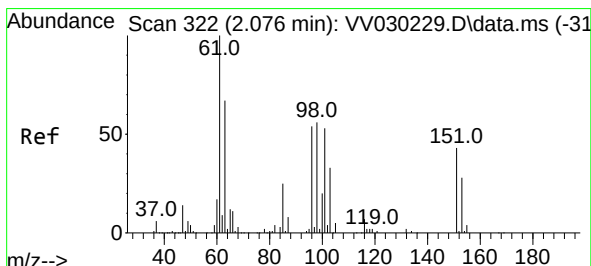
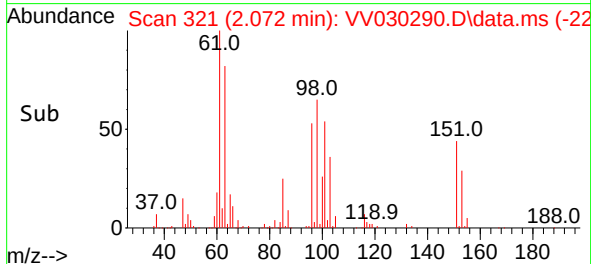
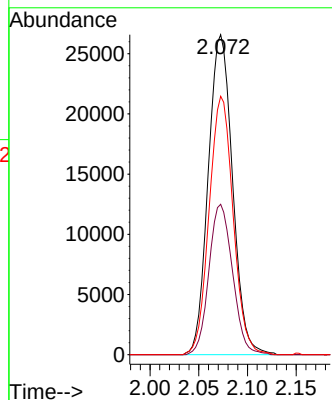
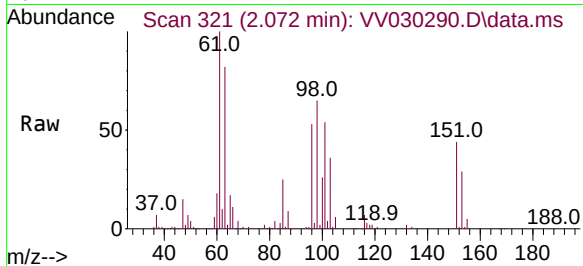




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.983 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

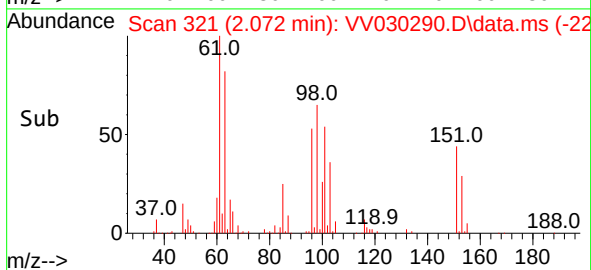
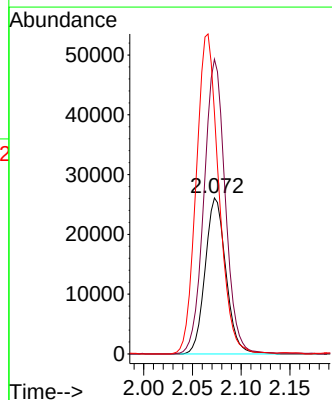
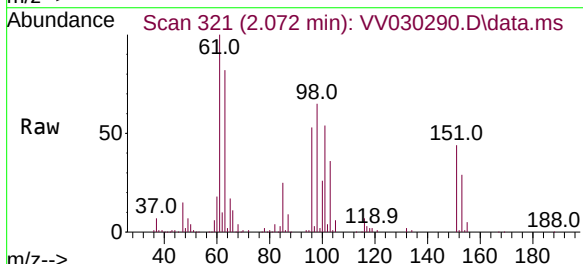
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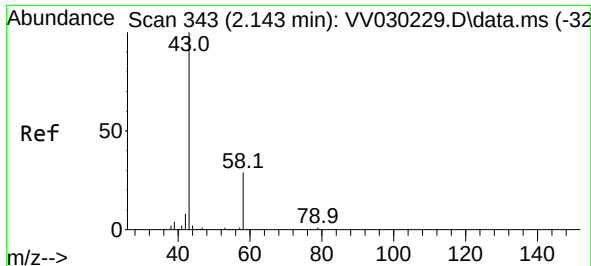
Tgt Ion:	101	Resp:	46091
Ion	Ratio	Lower	Upper
101	100		
85	45.6	33.5	50.3
151	79.9	61.6	92.4



#12
 1,1-Dichloroethene
 Concen: 4.721 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.003 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

Tgt Ion:	96	Resp:	38648
Ion	Ratio	Lower	Upper
96	100		
61	189.0	115.6	214.6
63	154.8	85.6	159.0





#13

Acetone

Concen: 55.702 ug/L

RT: 2.175 min Scan# 3

Delta R.T. 0.022 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

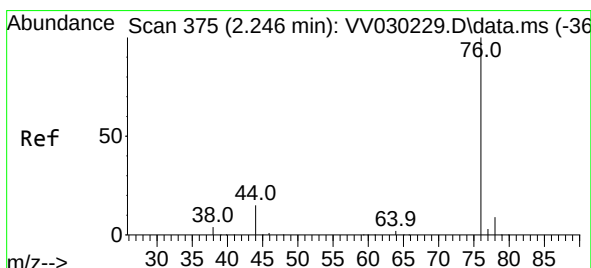
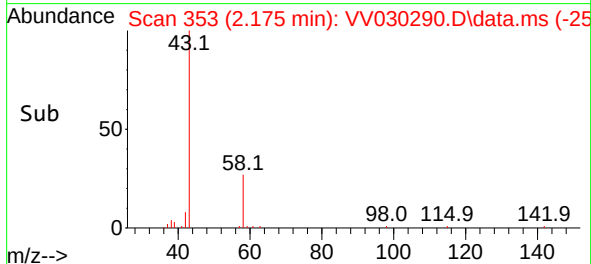
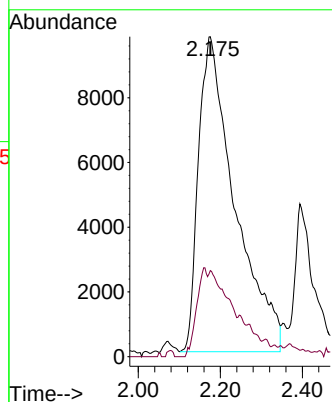
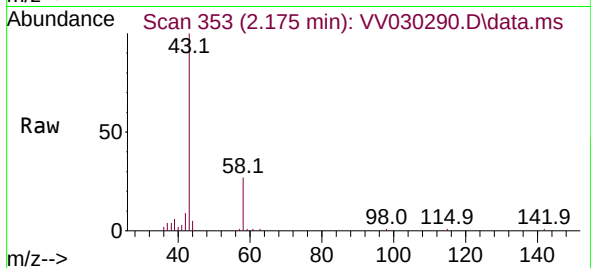
VSTD005312

Tgt Ion: 43 Resp: 59916

Ion Ratio Lower Upper

43 100

58 8.4 0.0 29.4



#14

Carbon disulfide

Concen: 3.473 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030290.D

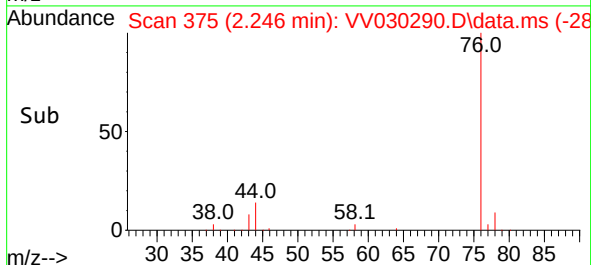
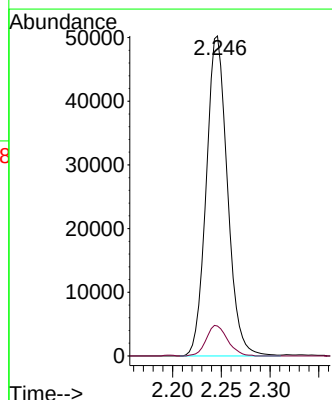
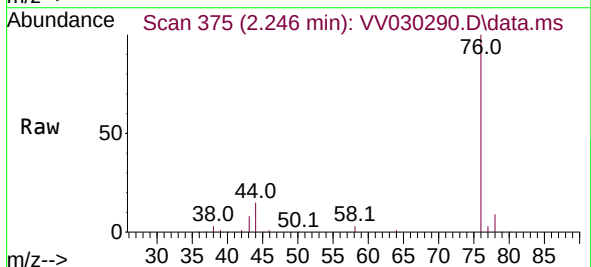
Acq: 22 Mar 2023 13:30

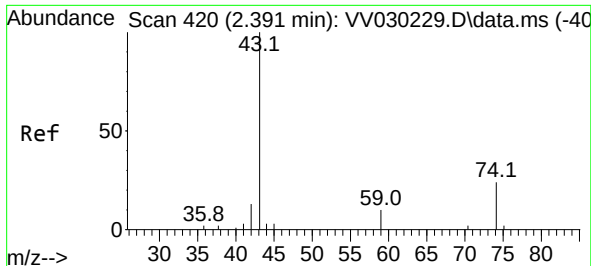
Tgt Ion: 76 Resp: 76089

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

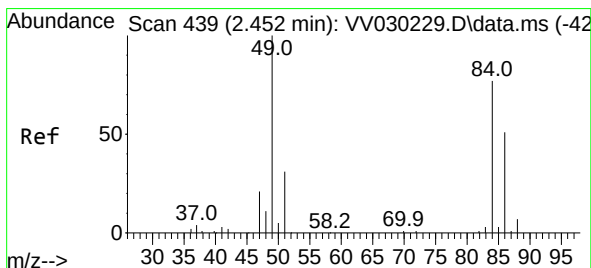
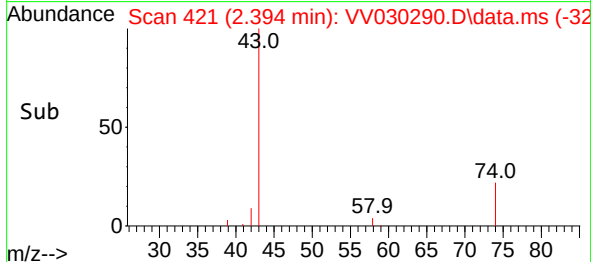
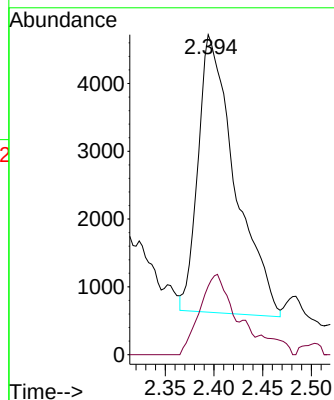
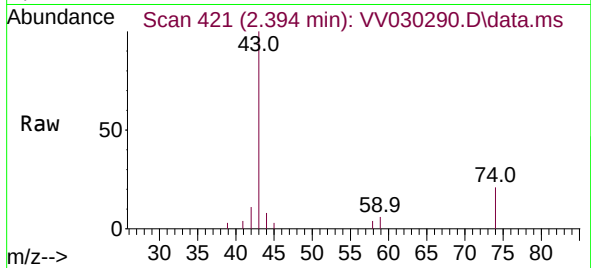




#15
Methyl Acetate
Concen: 4.299 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

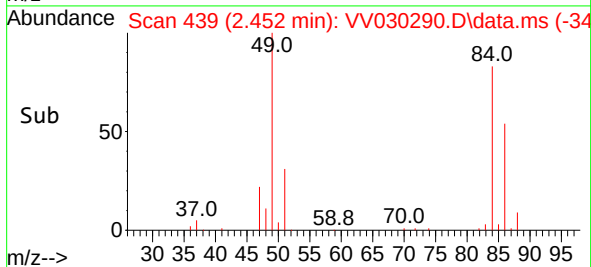
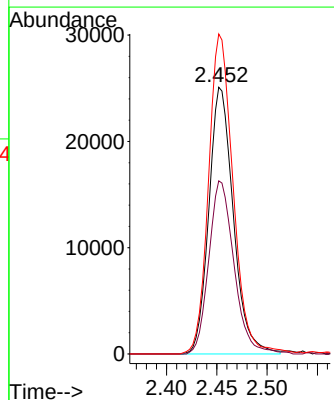
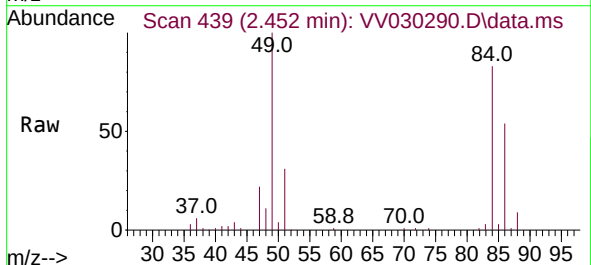
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

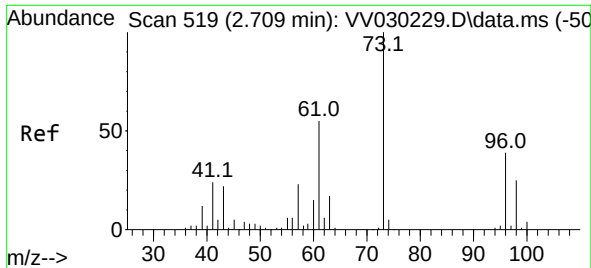
Tgt Ion: 43 Resp: 10800
Ion Ratio Lower Upper
43 100
74 31.7 20.1 30.1#



#16
Methylene chloride
Concen: 4.258 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion: 84 Resp: 42583
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 120.0 78.8 146.3

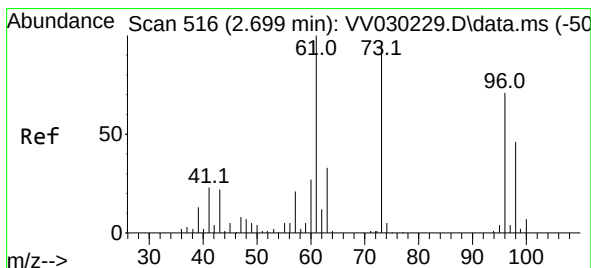
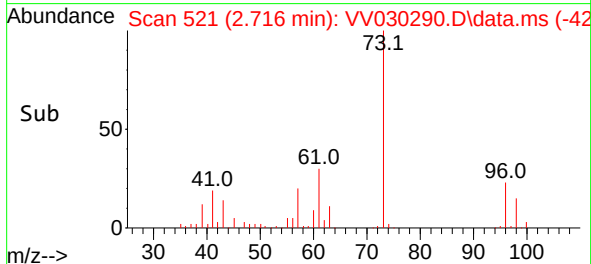
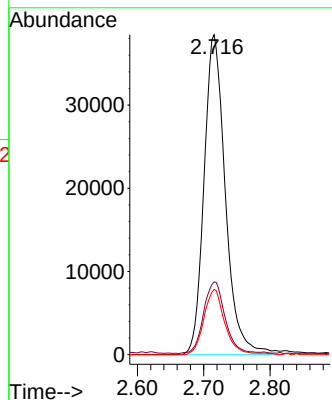
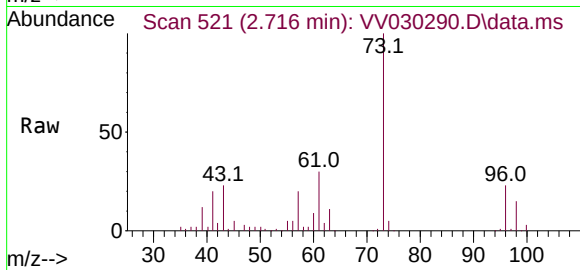




#17
Methyl tert-butyl Ether
Concen: 5.374 ug/L
RT: 2.716 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

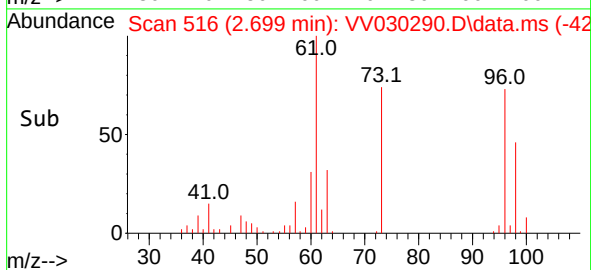
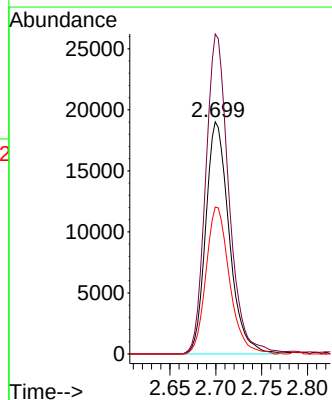
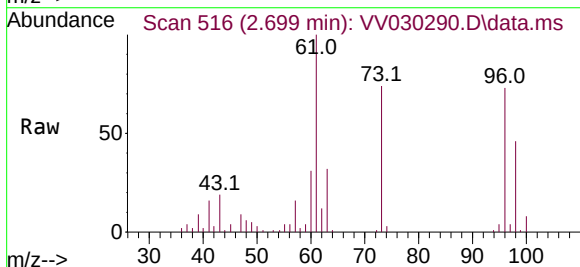
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

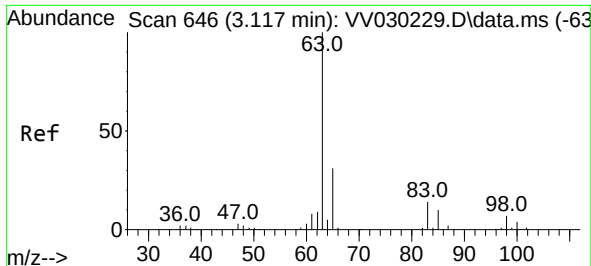
Tgt Ion: 73 Resp: 86045
Ion Ratio Lower Upper
73 100
43 22.4 13.4 20.2#
57 19.9 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.340 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion: 96 Resp: 33797
Ion Ratio Lower Upper
96 100
61 137.9 91.0 169.0
98 63.3 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.759 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

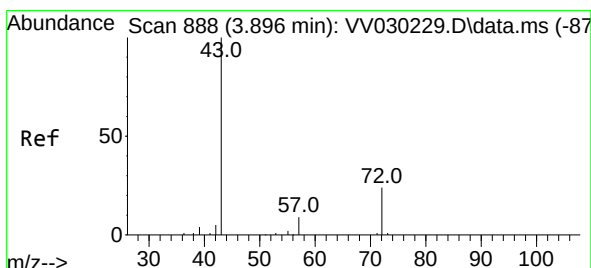
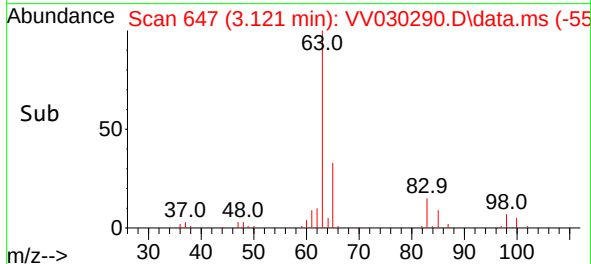
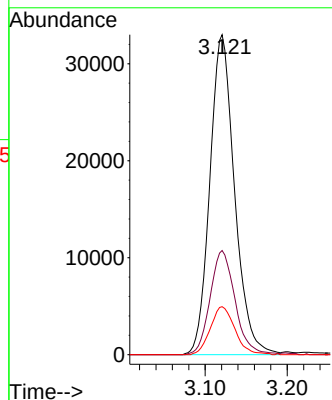
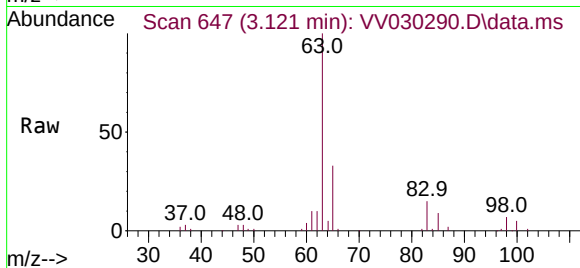
Tgt Ion: 63 Resp: 69044

Ion Ratio Lower Upper

63 100

65 32.6 23.0 42.8

83 15.0 9.6 17.8



#21

2-Butanone

Concen: 48.394 ug/L

RT: 3.921 min Scan# 896

Delta R.T. 0.016 min

Lab File: VV030290.D

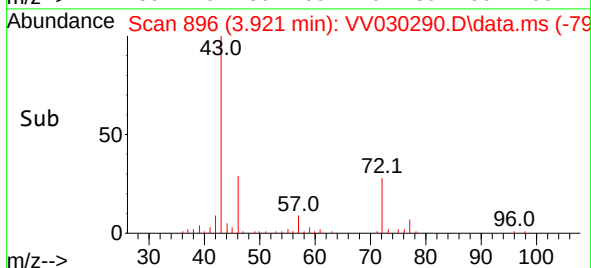
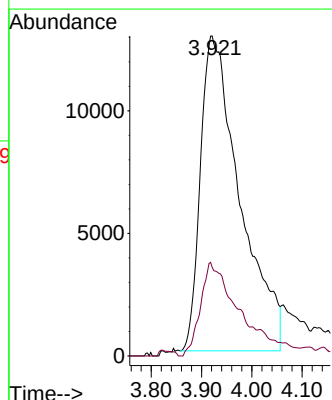
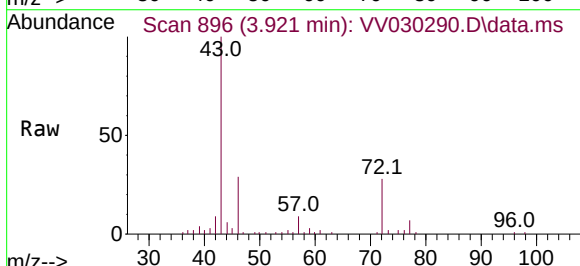
Acq: 22 Mar 2023 13:30

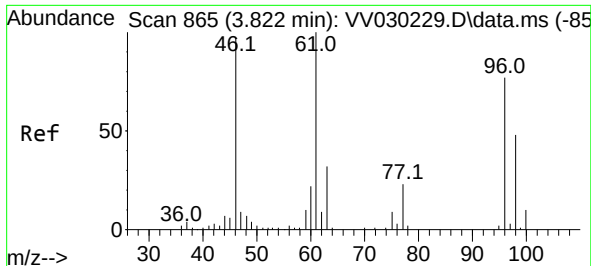
Tgt Ion: 43 Resp: 70009

Ion Ratio Lower Upper

43 100

72 25.7 15.1 45.3

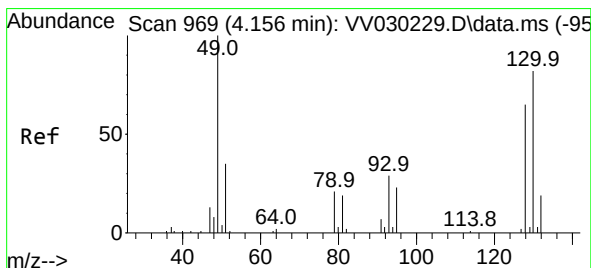
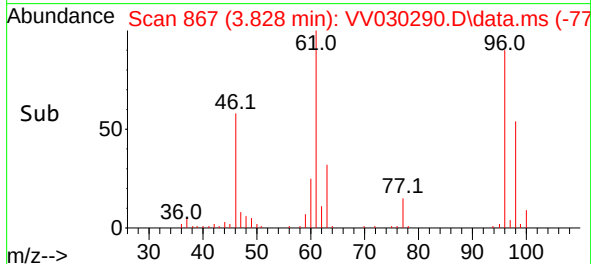
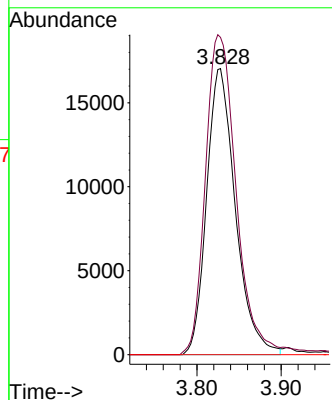
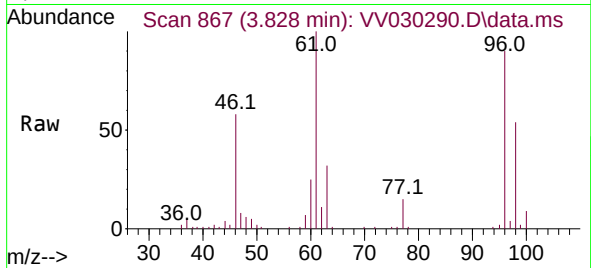




#22
 cis-1,2-Dichloroethene
 Concen: 4.703 ug/L
 RT: 3.828 min Scan# 865
 Delta R.T. 0.006 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

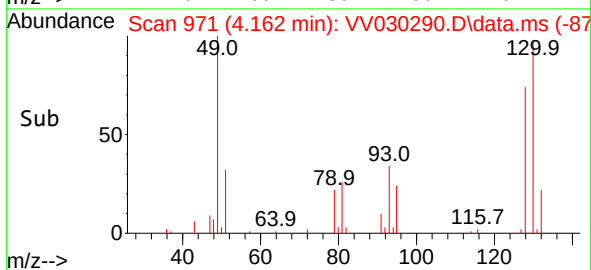
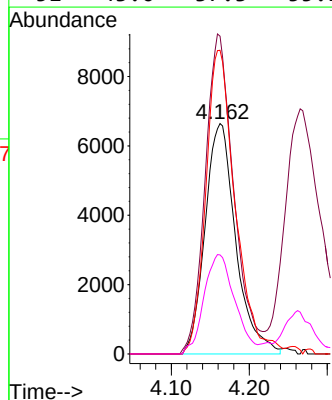
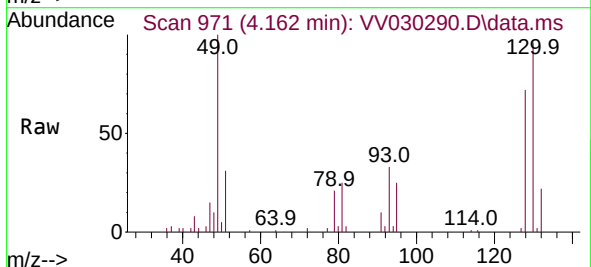
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005312

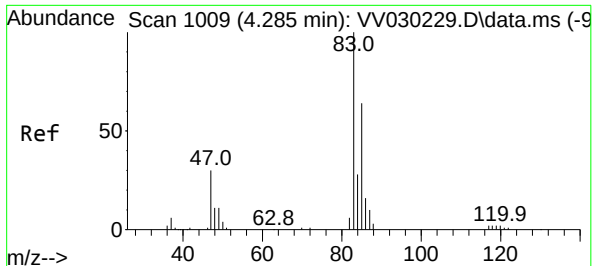
Tgt Ion: 96 Resp: 40482
 Ion Ratio Lower Upper
 96 100
 61 110.9 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.936 ug/L
 RT: 4.162 min Scan# 971
 Delta R.T. 0.003 min
 Lab File: VV030290.D
 Acq: 22 Mar 2023 13:30

Tgt Ion: 128 Resp: 18159
 Ion Ratio Lower Upper
 128 100
 49 137.9 99.5 184.9
 130 131.8 90.5 168.1
 51 43.0 37.3 55.9





#25

Chloroform

Concen: 5.259 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

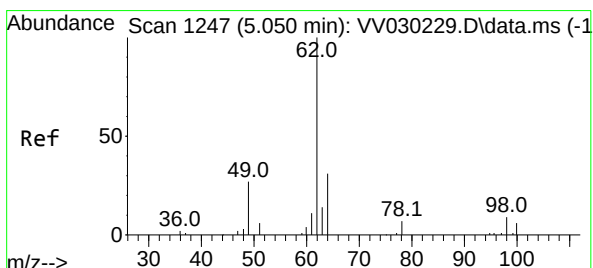
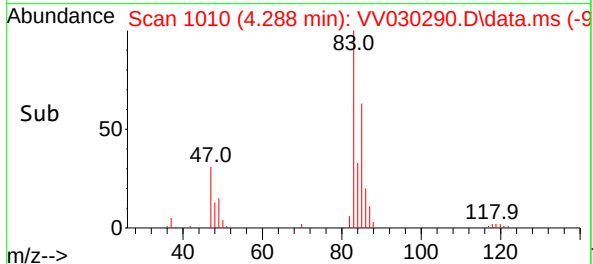
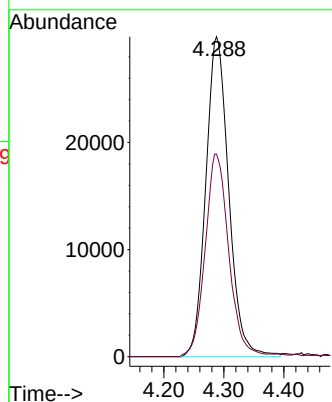
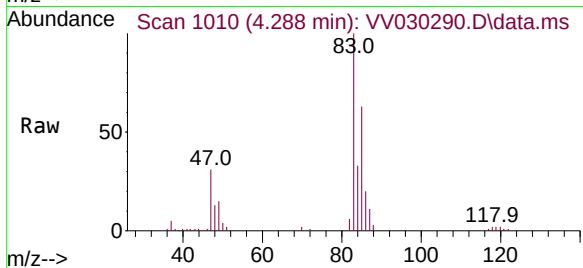
VSTD005312

Tgt Ion: 83 Resp: 79366

Ion Ratio Lower Upper

83 100

85 63.3 46.5 86.5



#27

1,2-Dichloroethane

Concen: 6.245 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VV030290.D

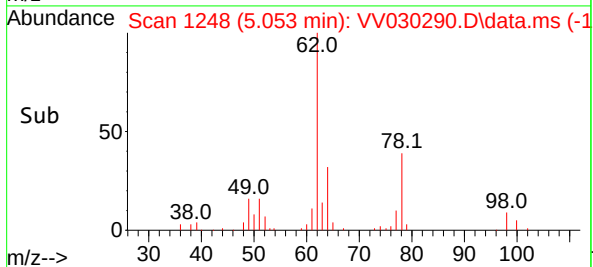
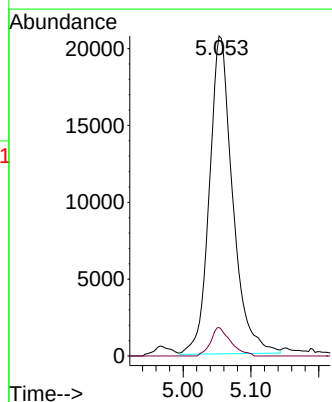
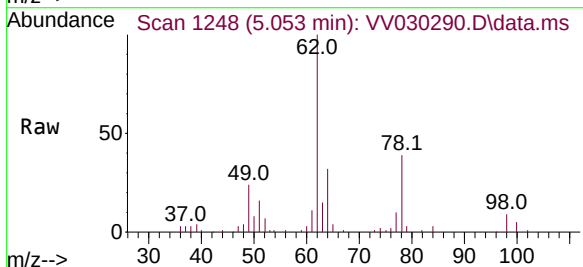
Acq: 22 Mar 2023 13:30

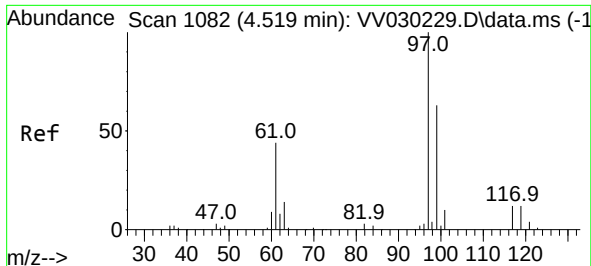
Tgt Ion: 62 Resp: 49302

Ion Ratio Lower Upper

62 100

98 8.9 9.0 13.4#





#29

1,1,1-Trichloroethane

Concen: 5.690 ug/L

RT: 4.523 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

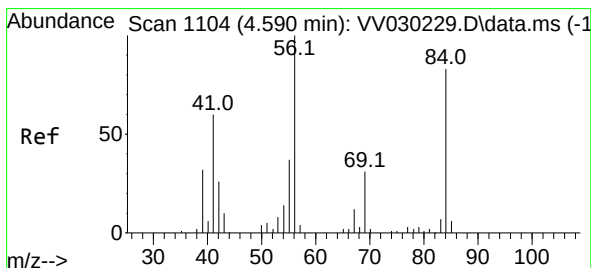
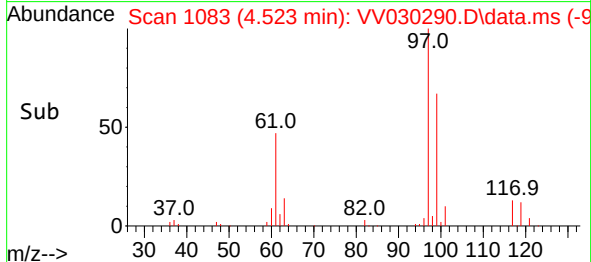
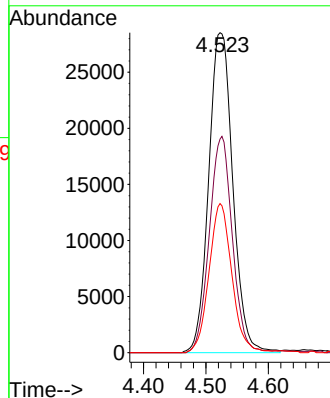
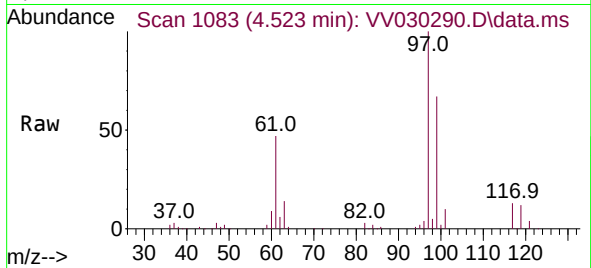
Tgt Ion: 97 Resp: 76757

Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 44.1 31.5 47.3



#30

Cyclohexane

Concen: 4.248 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

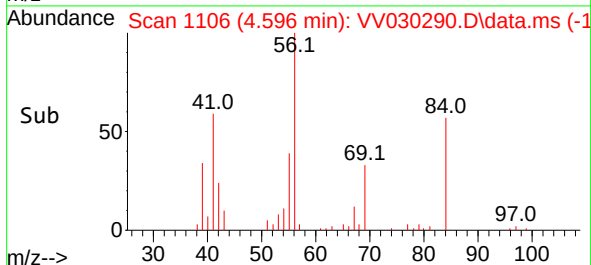
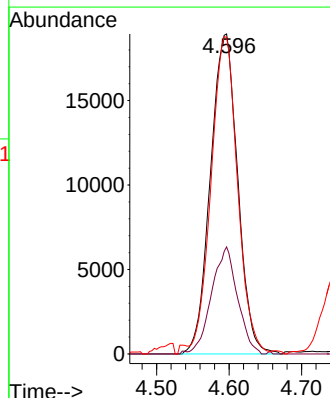
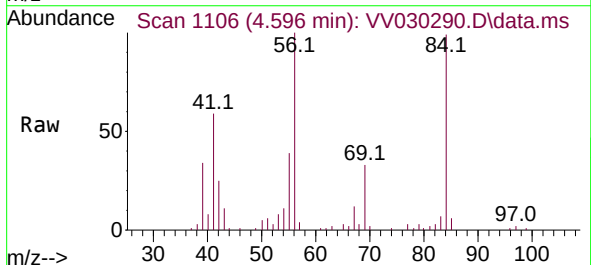
Tgt Ion: 56 Resp: 49517

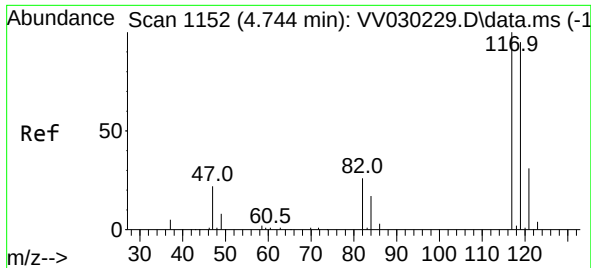
Ion Ratio Lower Upper

56 100

69 31.7 25.1 37.7

84 93.8 74.6 111.8

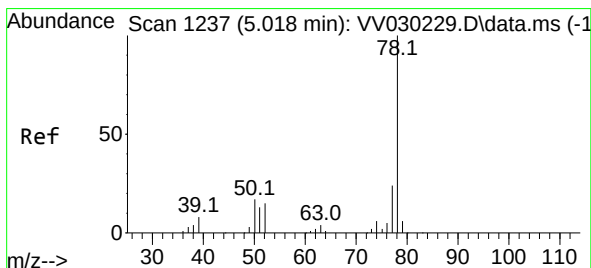
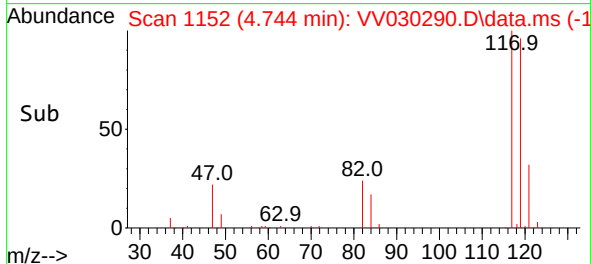
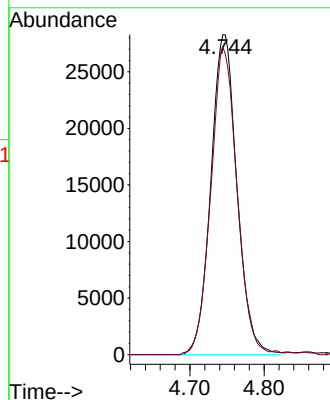
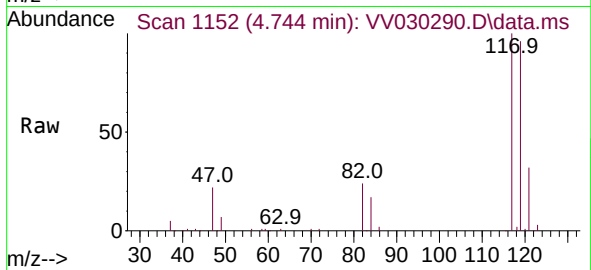




#31
Carbon tetrachloride
Concen: 5.693 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. 0.003 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

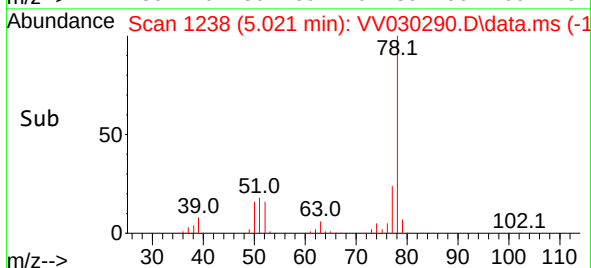
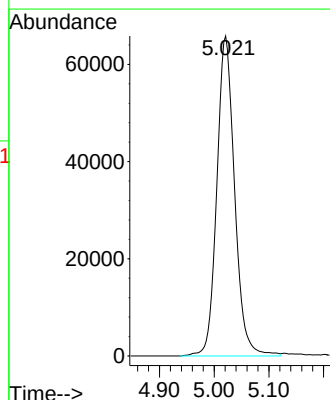
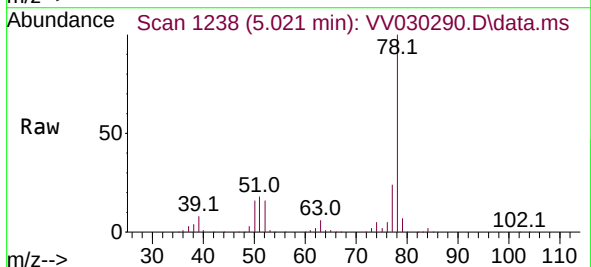
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

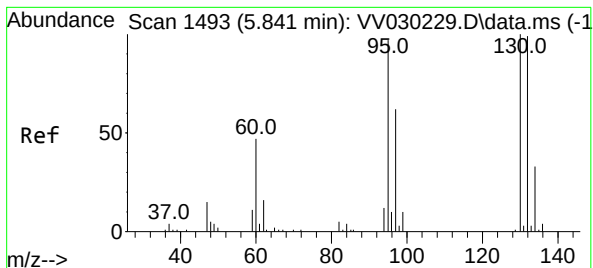
Tgt Ion:117 Resp: 69023
Ion Ratio Lower Upper
117 100
119 96.3 76.1 114.1



#33
Benzene
Concen: 4.741 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion: 78 Resp: 148686





#34

Trichloroethene

Concen: 4.560 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

Tgt Ion: 95 Resp: 40070

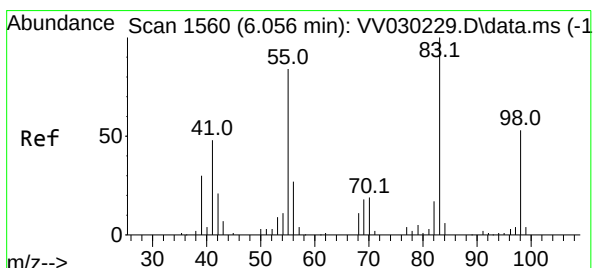
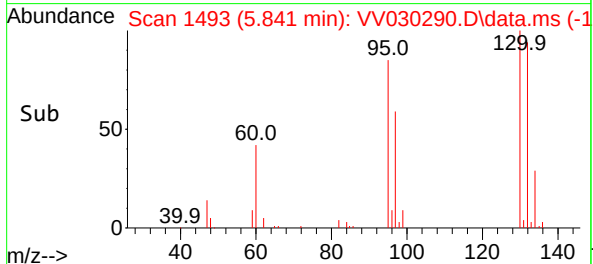
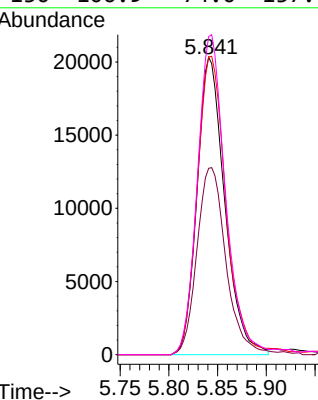
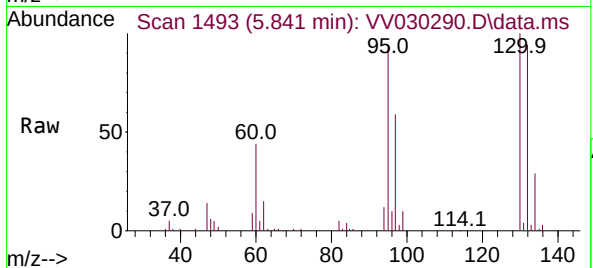
Ion Ratio Lower Upper

95 100

97 62.7 46.5 86.5

132 100.1 71.7 133.3

130 106.9 74.0 137.4



#35

Methylcyclohexane

Concen: 4.342 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

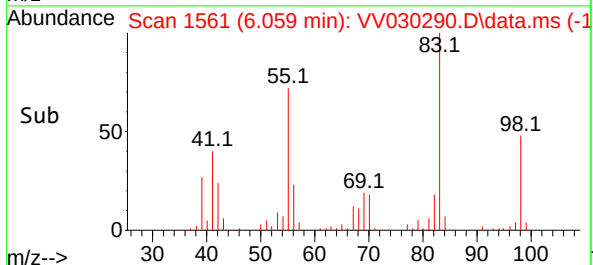
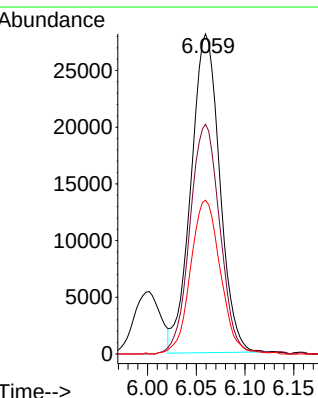
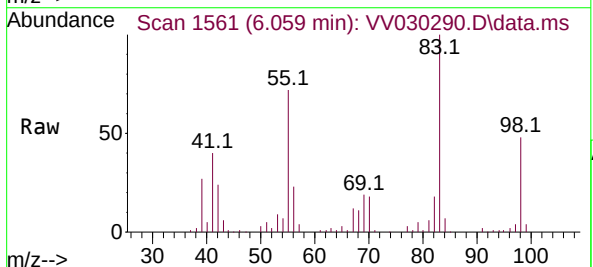
Tgt Ion: 83 Resp: 57741

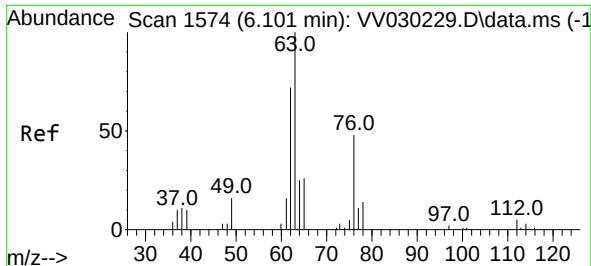
Ion Ratio Lower Upper

83 100

55 75.2 57.6 86.4

98 50.1 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.688 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

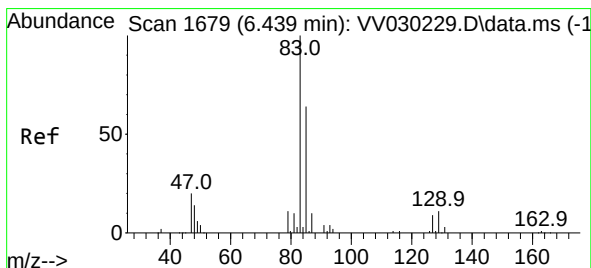
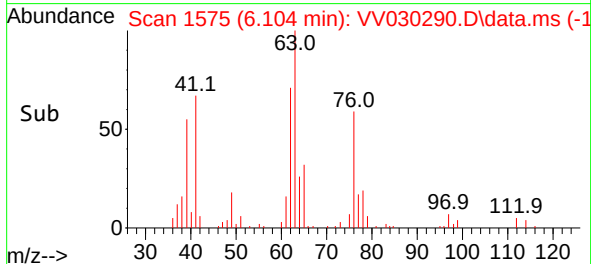
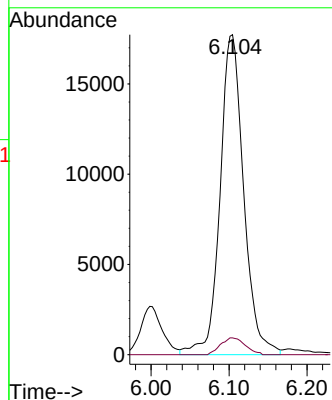
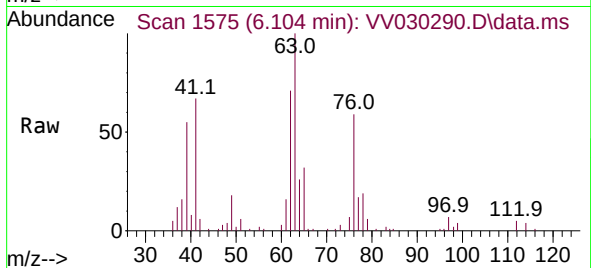
VSTD005312

Tgt Ion: 63 Resp: 37402

Ion Ratio Lower Upper

63 100

112 5.5 3.8 5.6



#38

Bromodichloromethane

Concen: 5.297 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

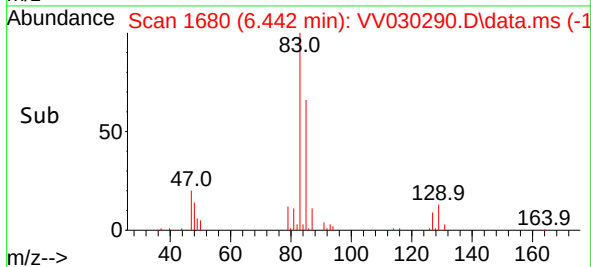
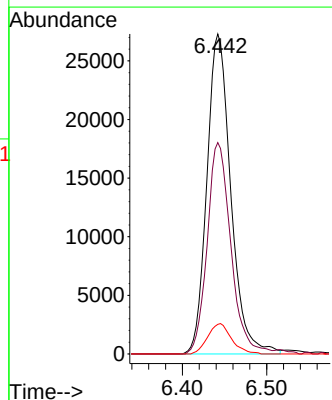
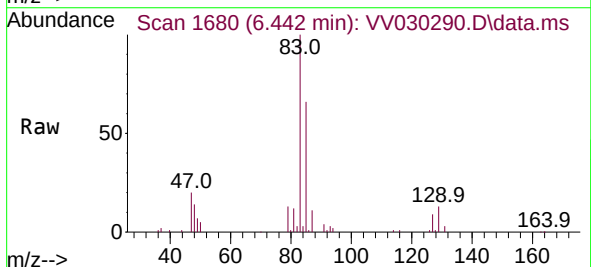
Tgt Ion: 83 Resp: 53952

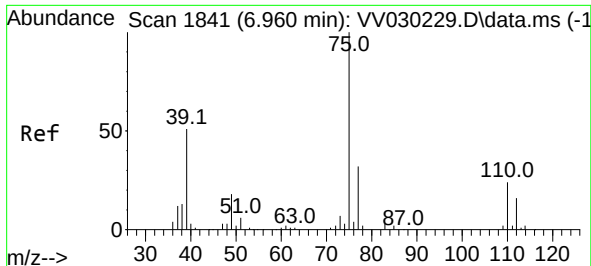
Ion Ratio Lower Upper

83 100

85 66.0 44.3 82.3

127 9.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.844 ug/L

RT: 6.963 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

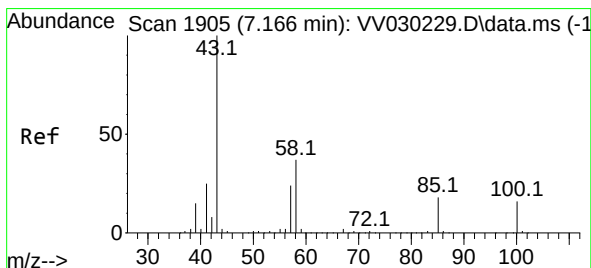
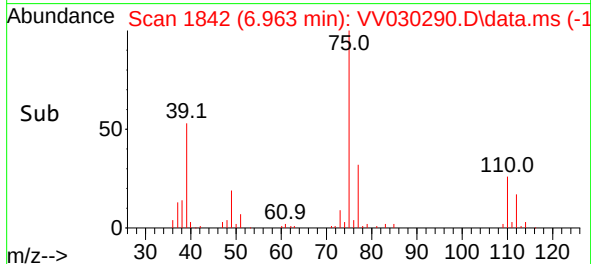
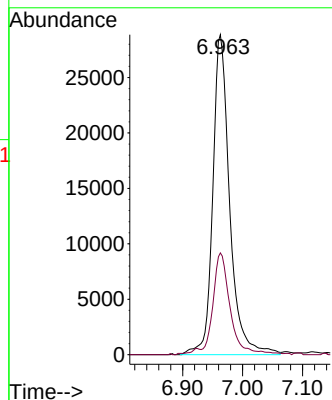
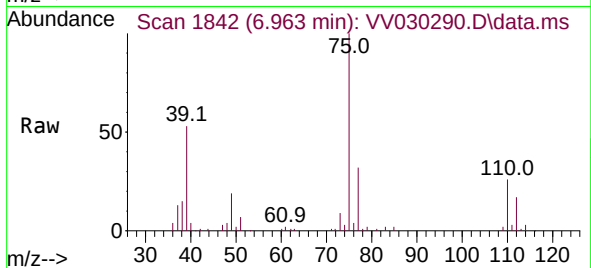
VSTD005312

Tgt Ion: 75 Resp: 56572

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 59.724 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

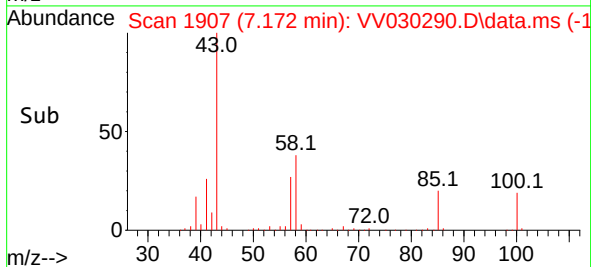
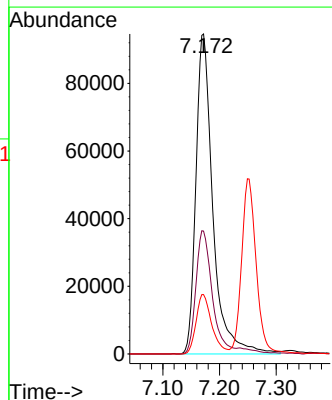
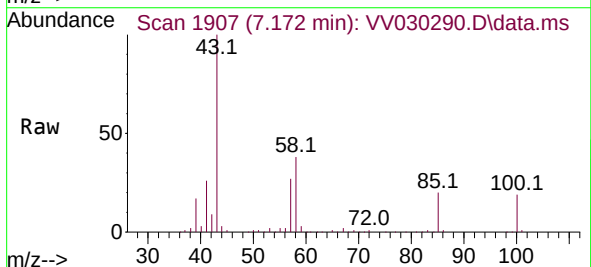
Tgt Ion: 43 Resp: 196628

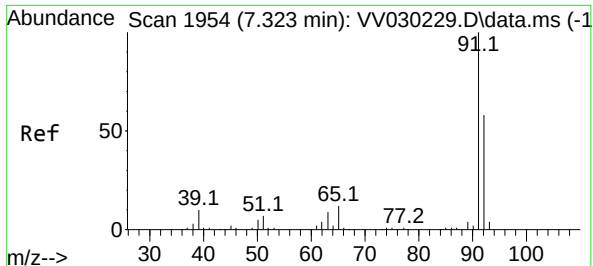
Ion Ratio Lower Upper

43 100

58 37.1 35.3 52.9

100 17.2 14.7 22.1





#42

Toluene

Concen: 4.949 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

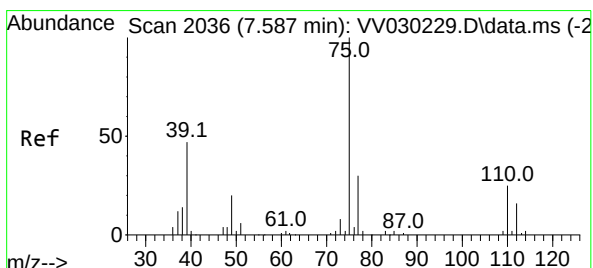
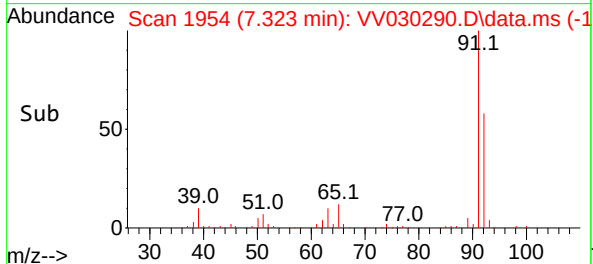
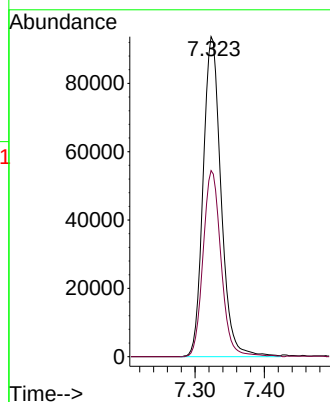
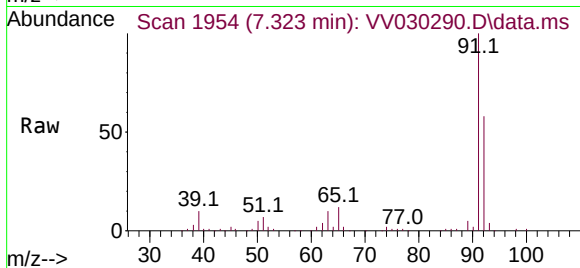
VSTD005312

Tgt Ion: 91 Resp: 168096

Ion Ratio Lower Upper

91 100

92 58.1 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.409 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.003 min

Lab File: VV030290.D

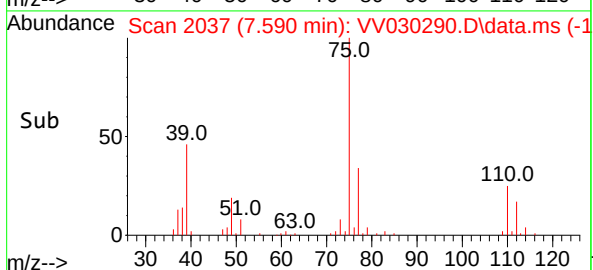
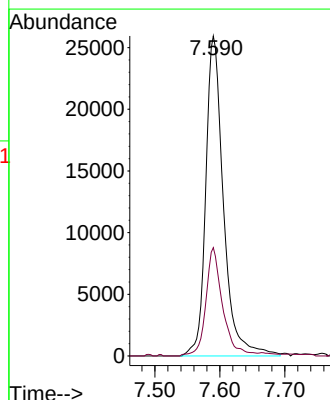
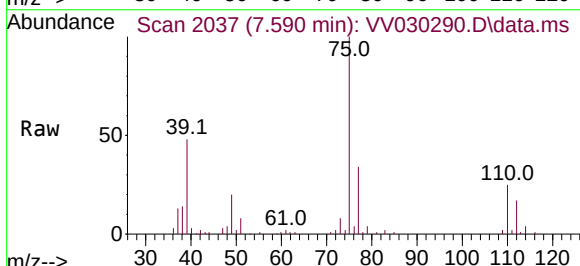
Acq: 22 Mar 2023 13:30

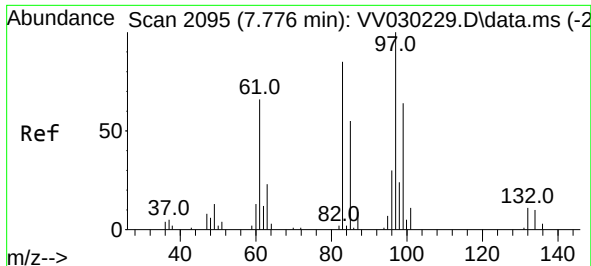
Tgt Ion: 75 Resp: 49312

Ion Ratio Lower Upper

75 100

77 33.9 22.1 41.1

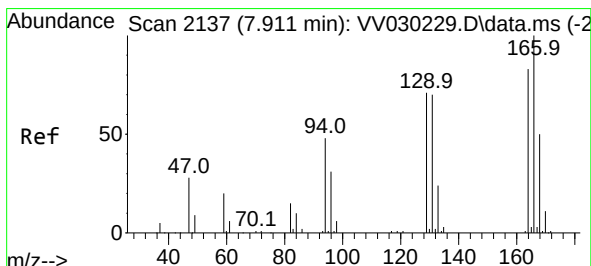
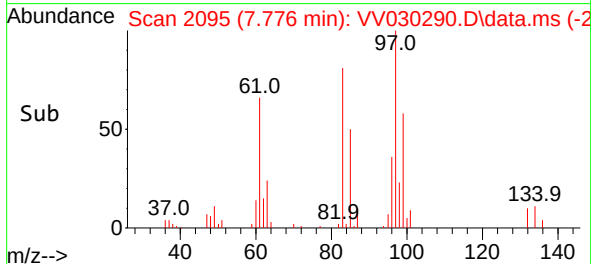
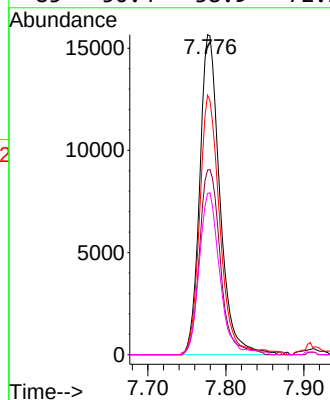
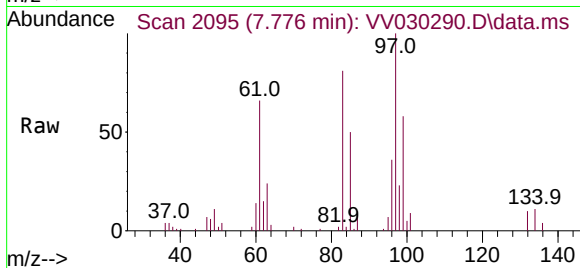




#45
1,1,2-Trichloroethane
Concen: 4.921 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

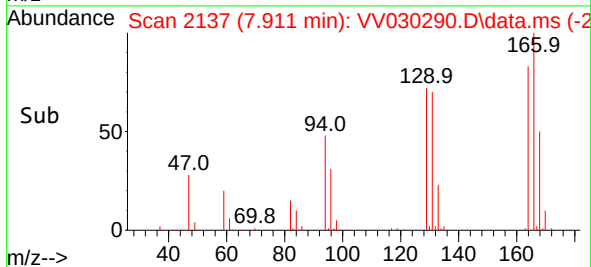
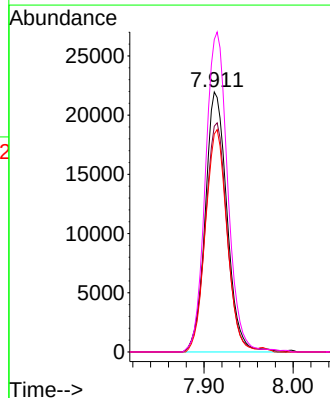
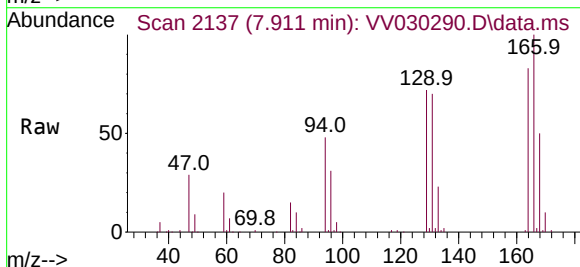
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

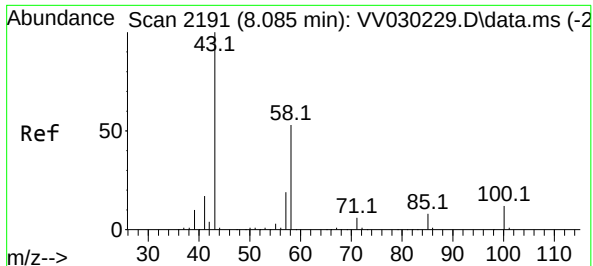
Tgt Ion:	97	Resp:	28093
Ion	Ratio	Lower	Upper
97	100		
99	57.7	42.6	79.2
83	81.1	57.7	107.3
85	50.4	38.9	72.2



#47
Tetrachloroethene
Concen: 4.941 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion:	164	Resp:	37271
Ion	Ratio	Lower	Upper
164	100		
129	86.9	63.6	118.2
131	83.9	61.7	114.7
166	120.2	90.8	168.6



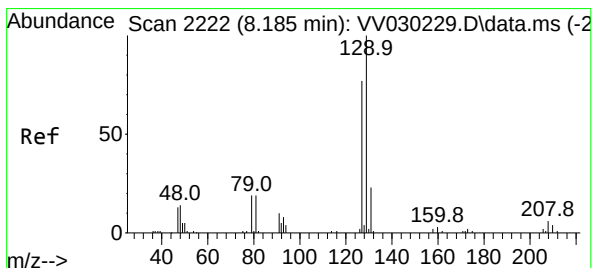
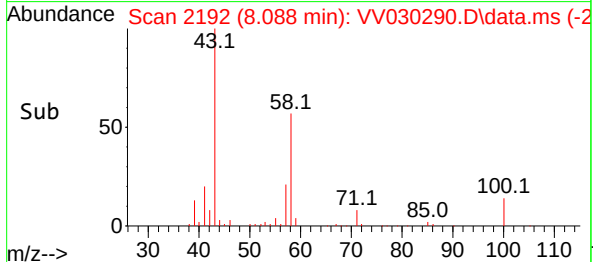
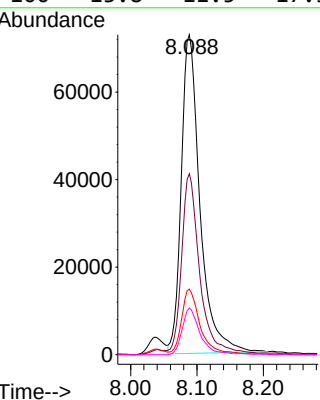
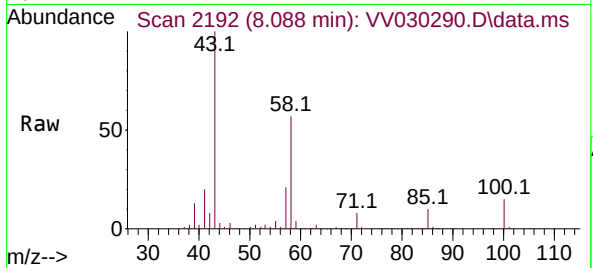


#48
2-Hexanone
Concen: 60.610 ug/L
RT: 8.088 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

Tgt Ion: 43 Resp: 142853

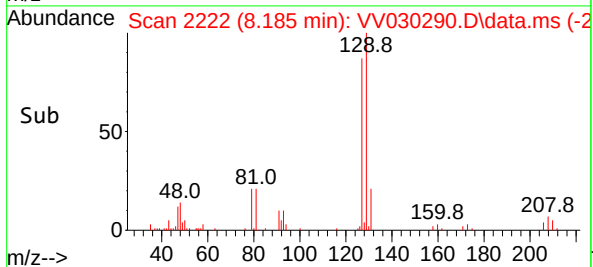
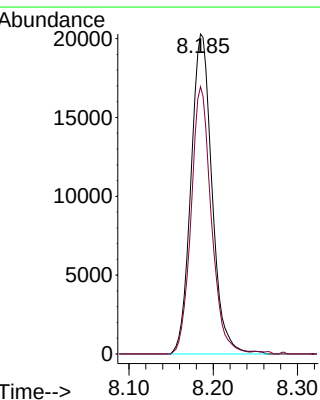
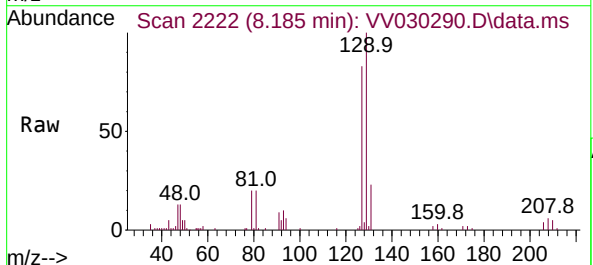
Ion	Ratio	Lower	Upper
43	100		
58	54.1	49.8	74.8
57	20.1	16.6	24.8
100	13.8	11.5	17.3

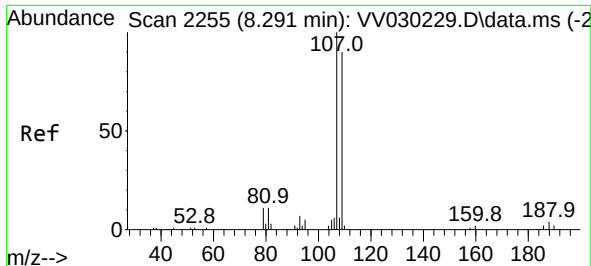


#49
Dibromochloromethane
Concen: 5.285 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion: 129 Resp: 35303

Ion	Ratio	Lower	Upper
129	100		
127	83.5	54.7	101.5





#50

1,2-Dibromoethane

Concen: 4.578 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

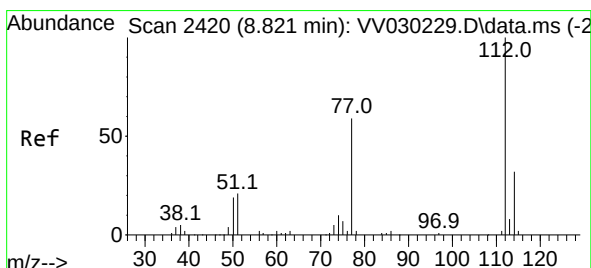
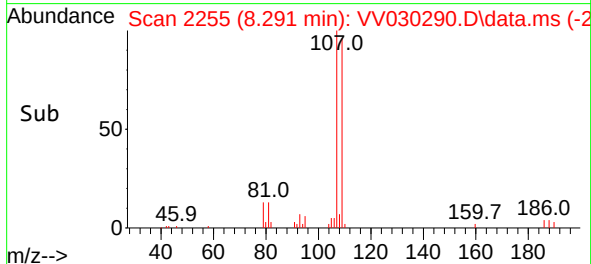
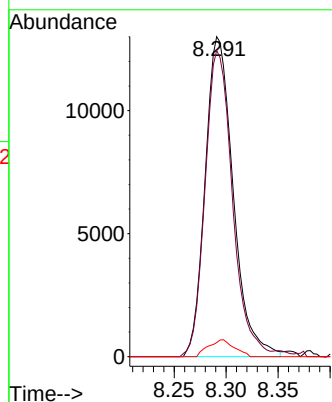
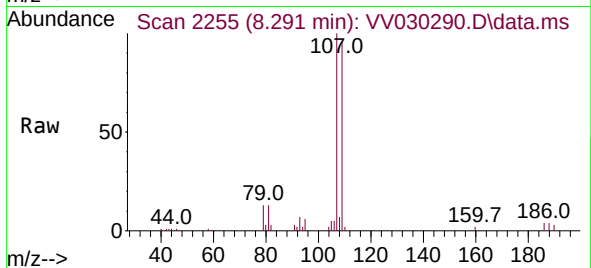
Tgt Ion:107 Resp: 24383

Ion Ratio Lower Upper

107 100

109 95.7 63.3 117.7

188 4.4 3.0 4.6



#51

Chlorobenzene

Concen: 4.944 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

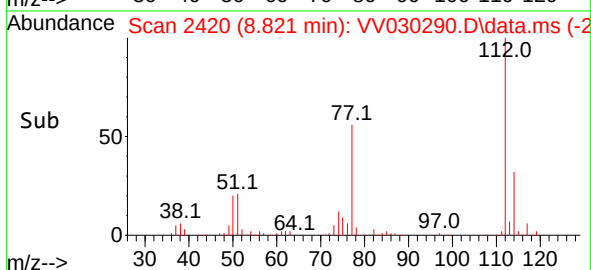
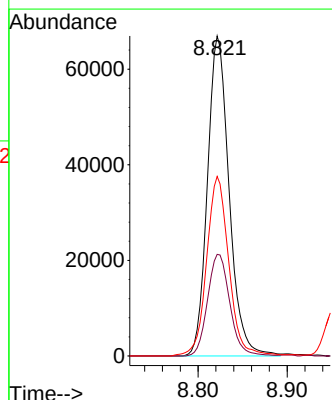
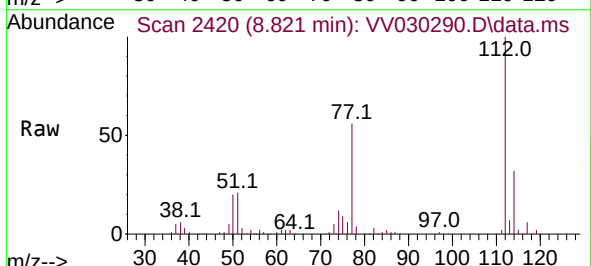
Tgt Ion:112 Resp: 113258

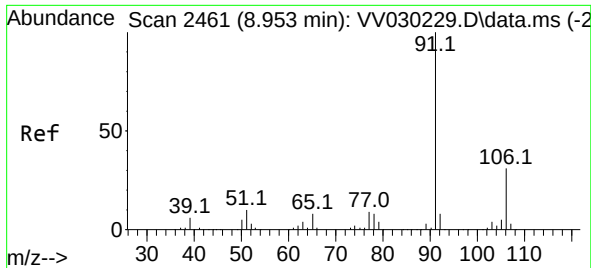
Ion Ratio Lower Upper

112 100

114 31.8 22.5 41.7

77 56.1 45.3 67.9

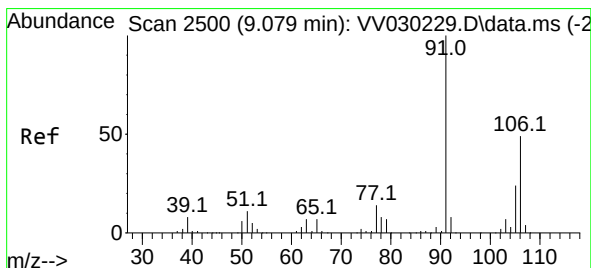
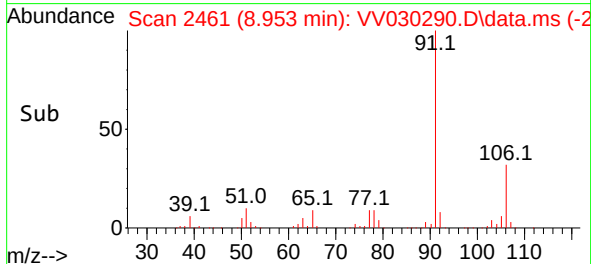
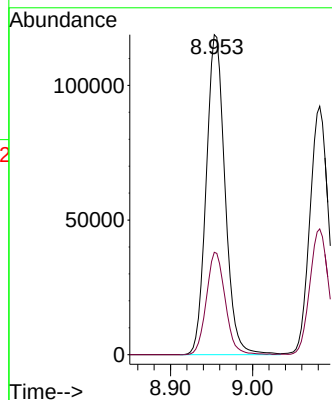
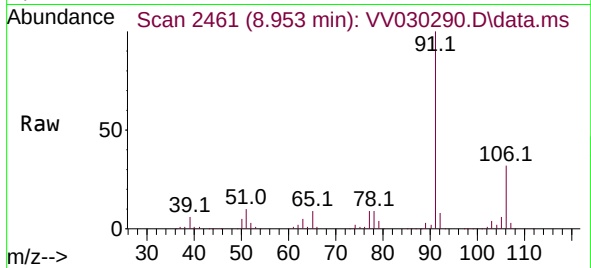




#52
Ethylbenzene
Concen: 5.117 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

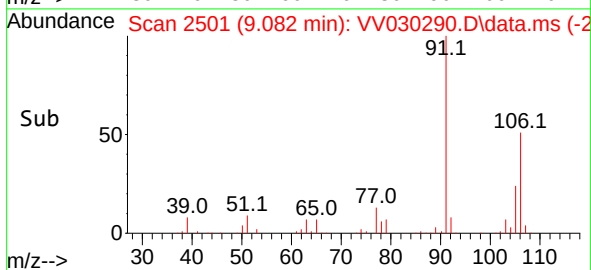
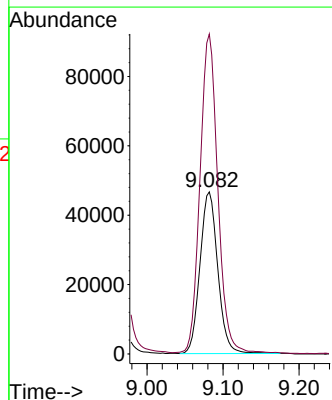
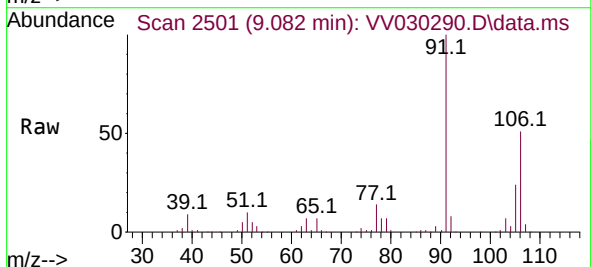
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

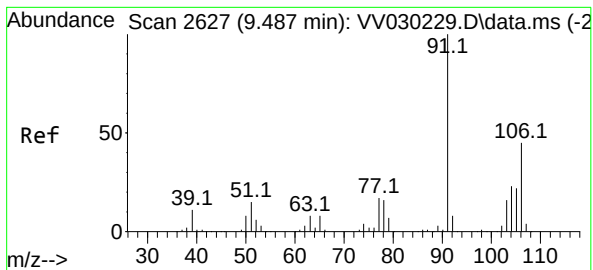
Tgt Ion: 91 Resp: 189142
Ion Ratio Lower Upper
91 100
106 32.0 22.0 40.8



#53
m,p-Xylene
Concen: 5.336 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. 0.003 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion: 106 Resp: 75811
Ion Ratio Lower Upper
106 100
91 197.5 142.5 264.7





#54

o-Xylene

Concen: 5.317 ug/L

RT: 9.487 min Scan# 2627

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

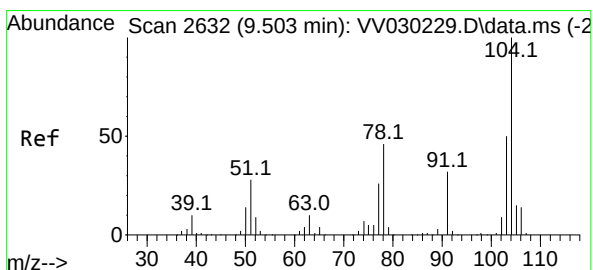
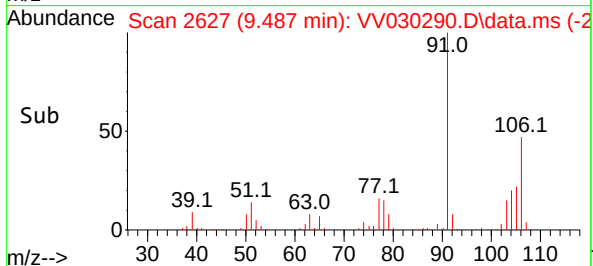
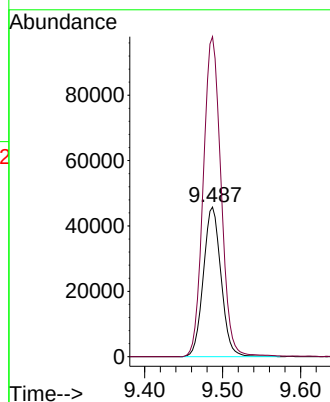
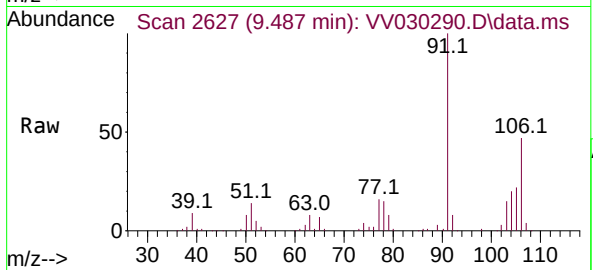
VSTD005312

Tgt Ion:106 Resp: 72155

Ion Ratio Lower Upper

106 100

91 213.8 148.8 276.4



#55

Styrene

Concen: 5.633 ug/L

RT: 9.503 min Scan# 2632

Delta R.T. -0.000 min

Lab File: VV030290.D

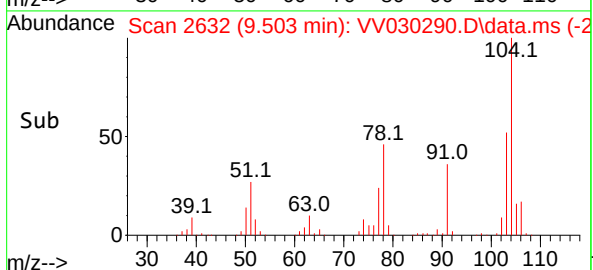
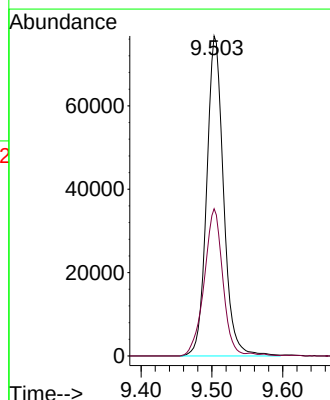
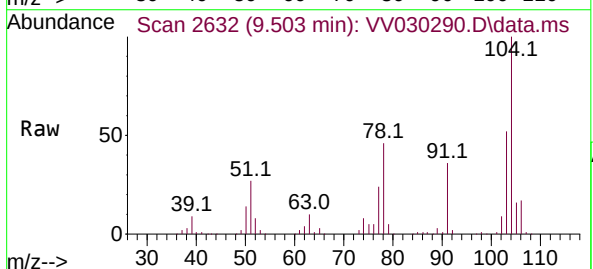
Acq: 22 Mar 2023 13:30

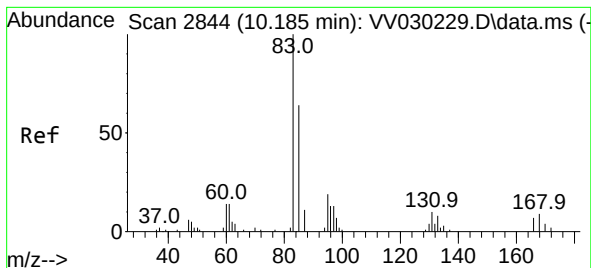
Tgt Ion:104 Resp: 127132

Ion Ratio Lower Upper

104 100

78 46.0 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 4.833 ug/L

RT: 10.188 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

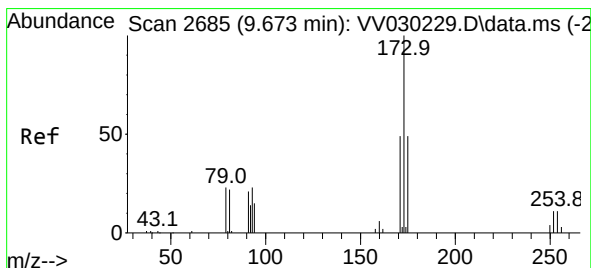
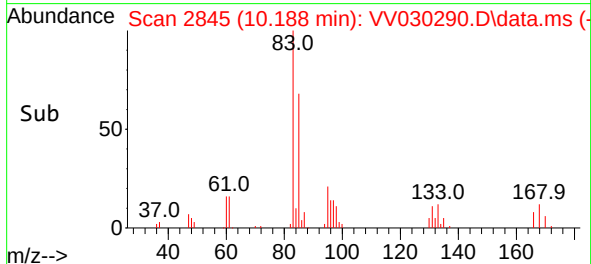
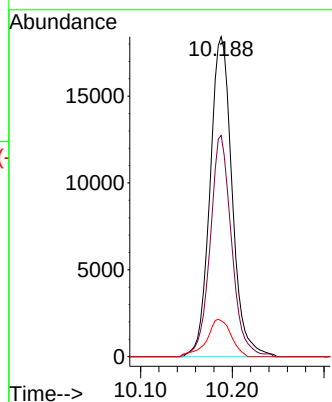
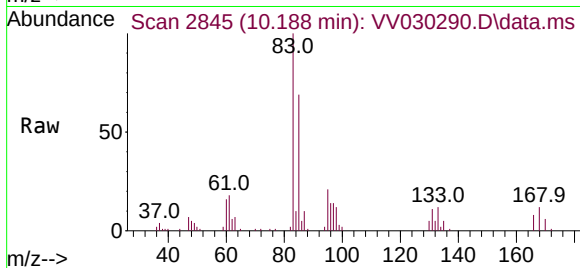
Tgt Ion: 83 Resp: 30865

Ion Ratio Lower Upper

83 100

85 69.2 45.0 83.6

131 11.2 8.2 12.4



#59

Bromoform

Concen: 5.433 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

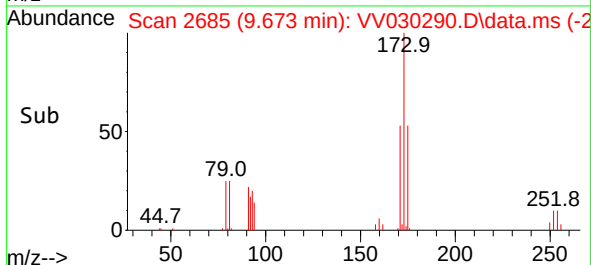
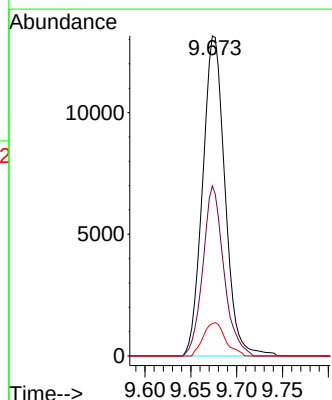
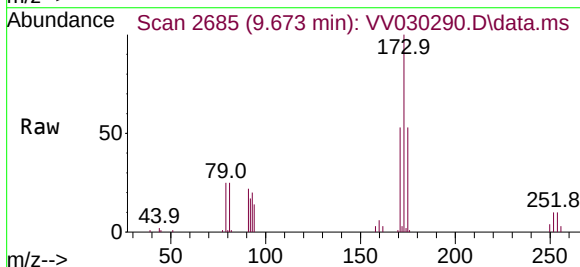
Tgt Ion: 173 Resp: 22252

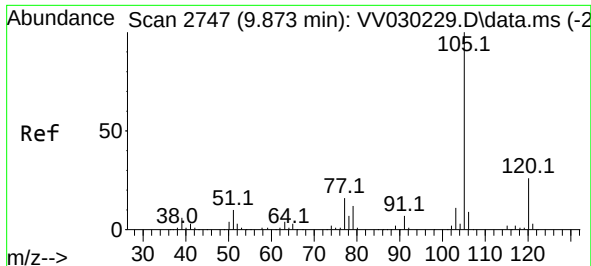
Ion Ratio Lower Upper

173 100

175 49.9 38.5 57.7

254 10.4 8.6 13.0

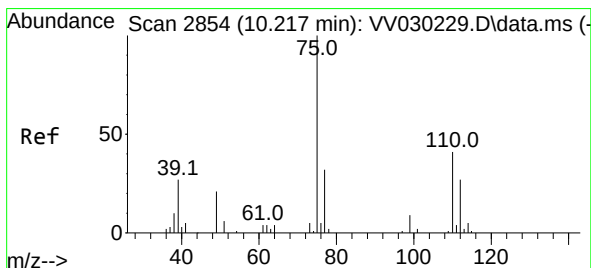
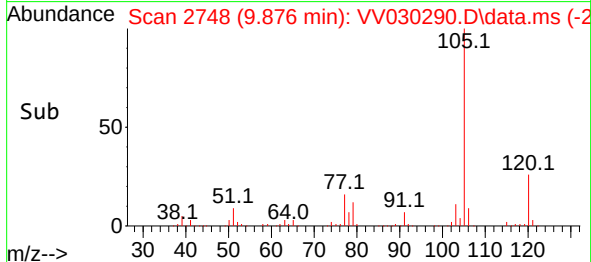
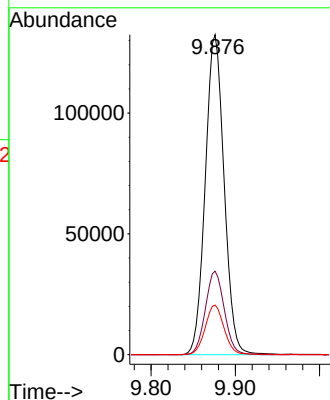
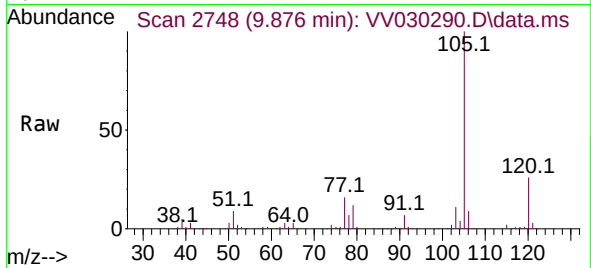




#60
Isopropylbenzene
Concen: 5.249 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

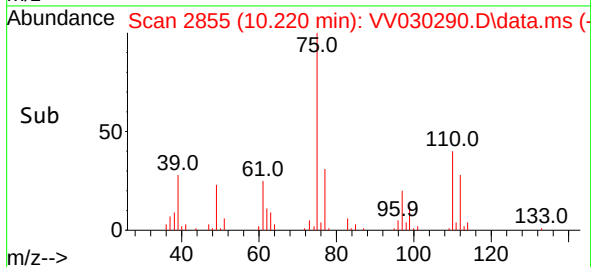
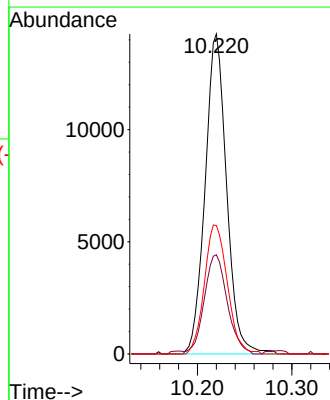
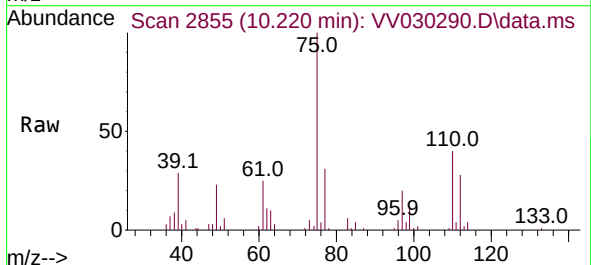
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

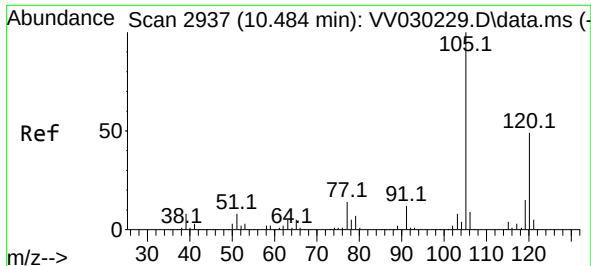
Tgt Ion:105 Resp: 206370
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.0
77 15.6 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.925 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion: 75 Resp: 22523
Ion Ratio Lower Upper
75 100
77 33.2 26.5 39.7
110 43.2 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.292 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

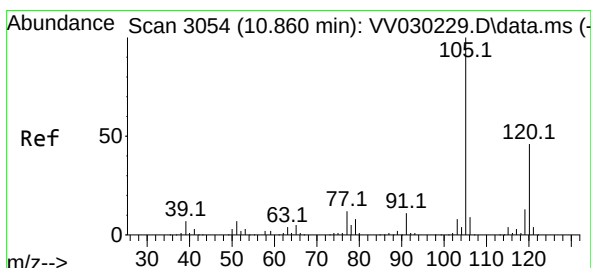
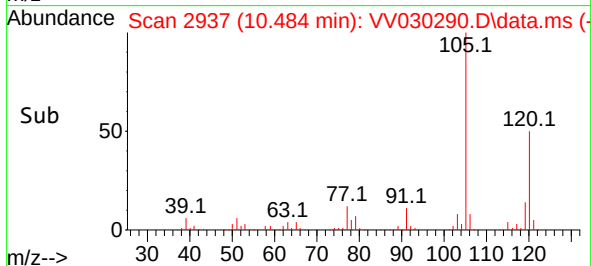
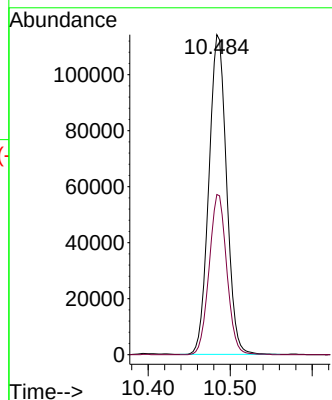
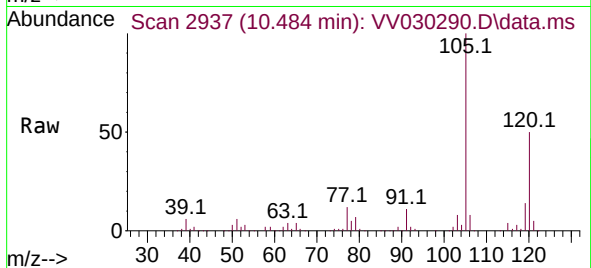
VSTD005312

Tgt Ion:105 Resp: 170929

Ion Ratio Lower Upper

105 100

120 49.9 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 5.347 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030290.D

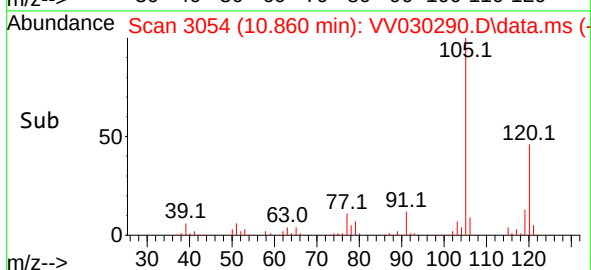
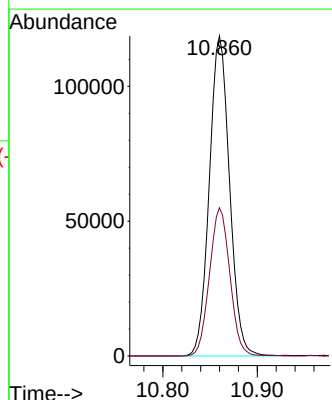
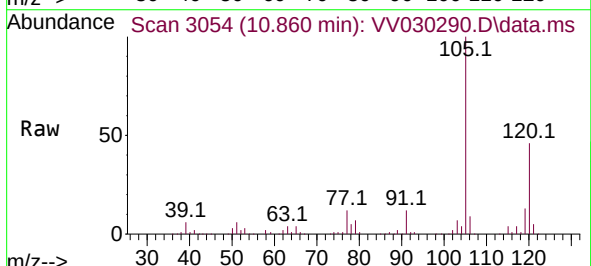
Acq: 22 Mar 2023 13:30

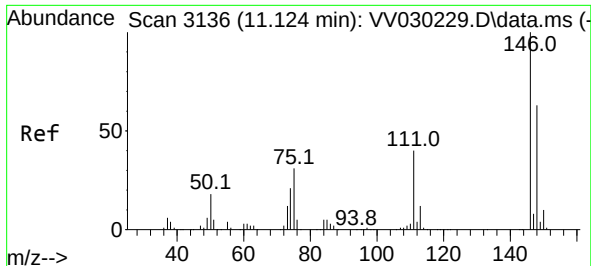
Tgt Ion:105 Resp: 176657

Ion Ratio Lower Upper

105 100

120 46.6 36.2 54.4

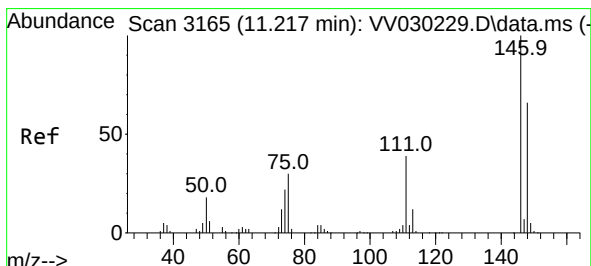
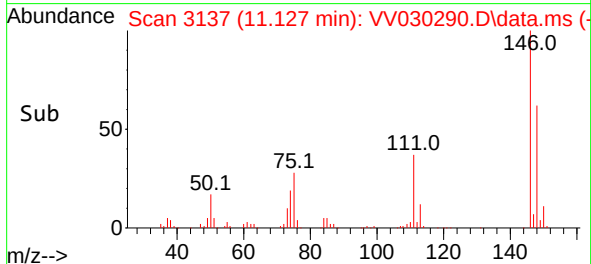
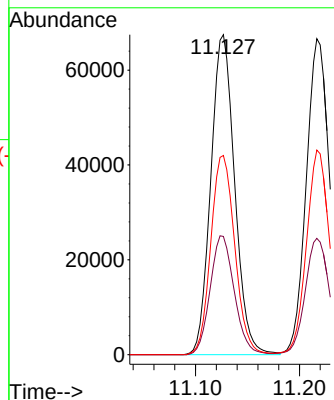
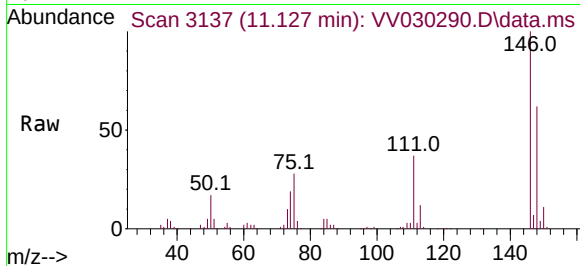




#64
1,3-Dichlorobenzene
Concen: 5.256 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

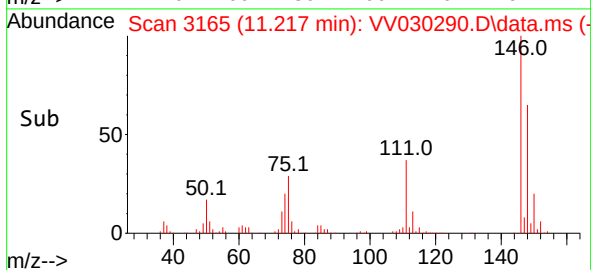
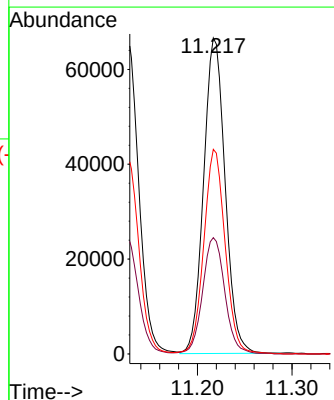
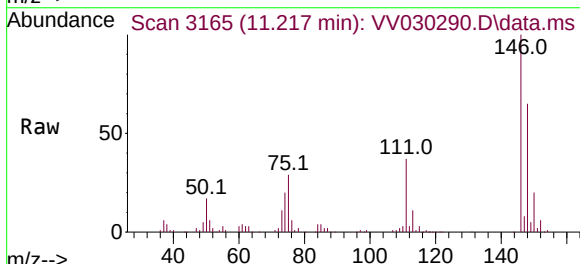
Instrument :
MSVOA_V
ClientSampleId :
VSTD005312

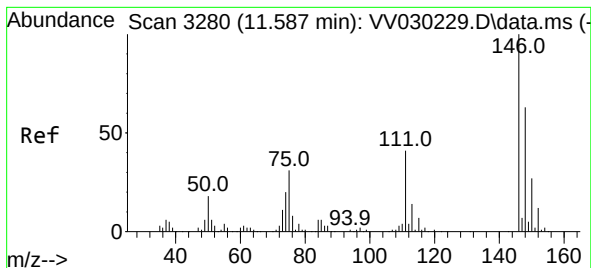
Tgt Ion:146 Resp: 107608
Ion Ratio Lower Upper
146 100
111 37.0 27.7 51.5
148 62.3 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.088 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030290.D
Acq: 22 Mar 2023 13:30

Tgt Ion:146 Resp: 105092
Ion Ratio Lower Upper
146 100
111 36.8 27.4 51.0
148 64.8 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.270 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

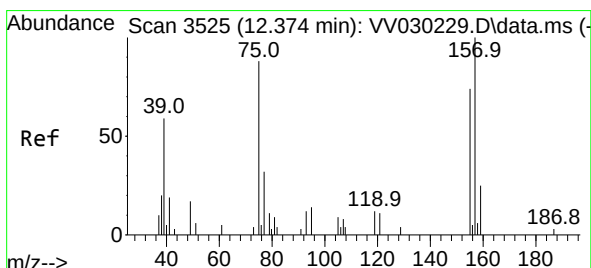
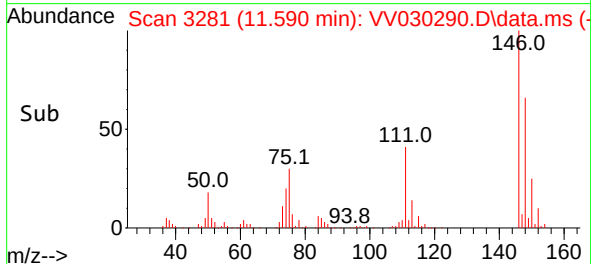
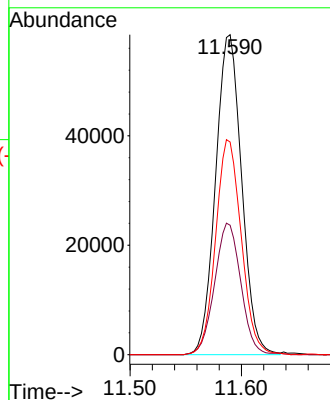
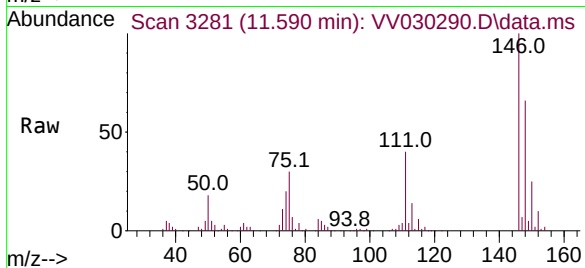
Tgt Ion:146 Resp: 95267

Ion Ratio Lower Upper

146 100

111 40.5 33.5 50.3

148 66.4 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.475 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

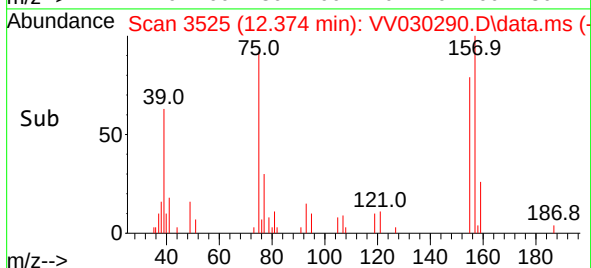
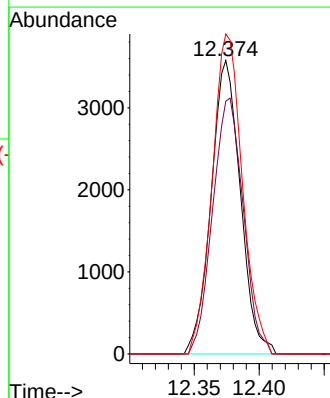
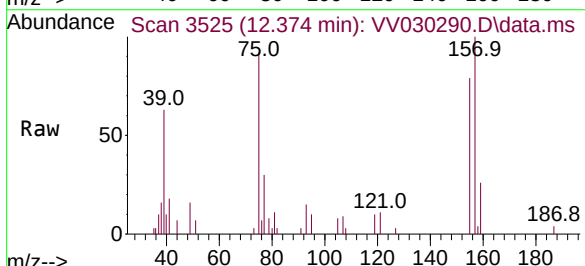
Tgt Ion: 75 Resp: 5592

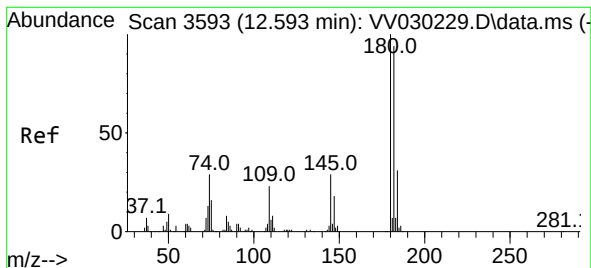
Ion Ratio Lower Upper

75 100

155 86.1 79.1 118.7

157 109.0 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 5.198 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

Tgt Ion:180 Resp: 87473

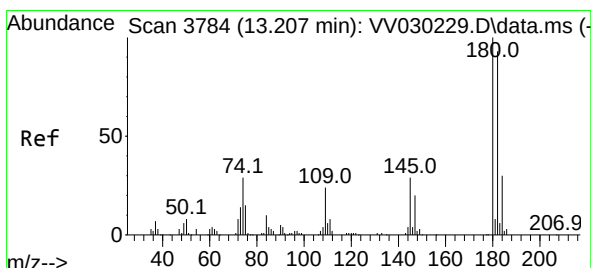
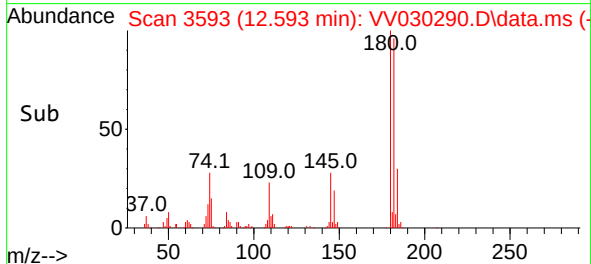
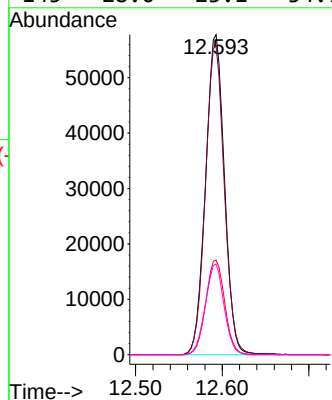
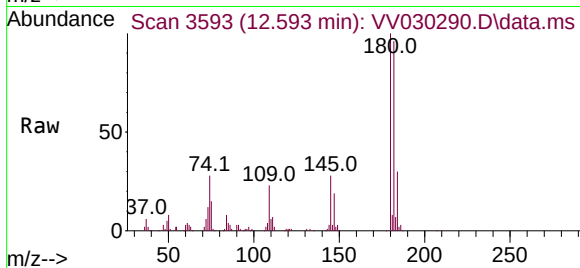
Ion Ratio Lower Upper

180 100

182 96.7 76.5 114.7

184 29.7 24.3 36.5

145 28.0 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 5.240 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

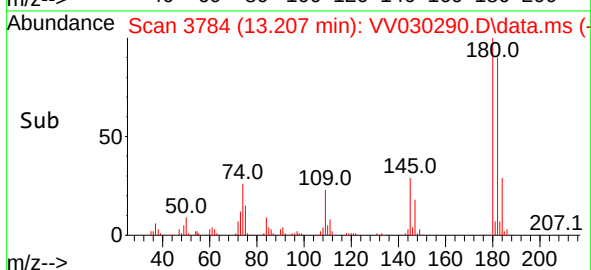
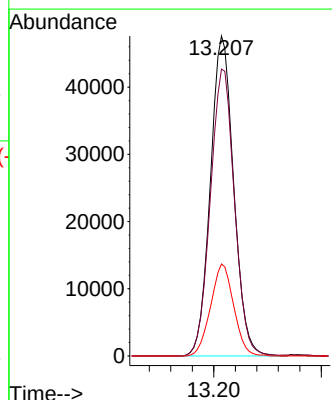
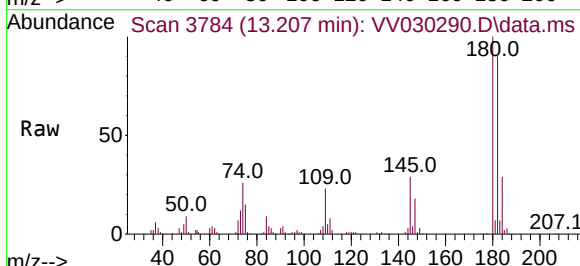
Tgt Ion:180 Resp: 71442

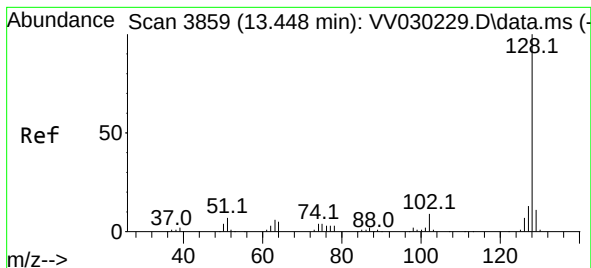
Ion Ratio Lower Upper

180 100

182 92.7 77.3 115.9

145 28.5 23.1 34.7





#71

Naphthalene

Concen: 5.405 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD005312

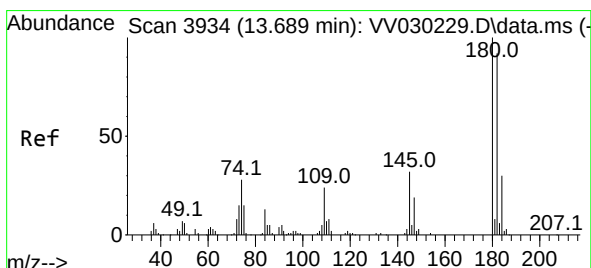
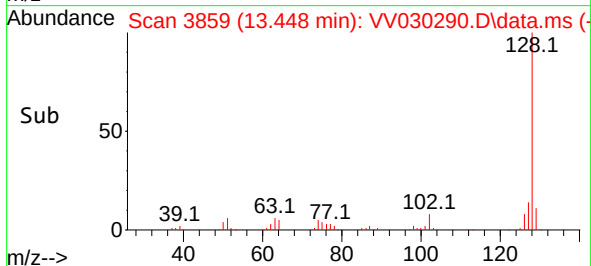
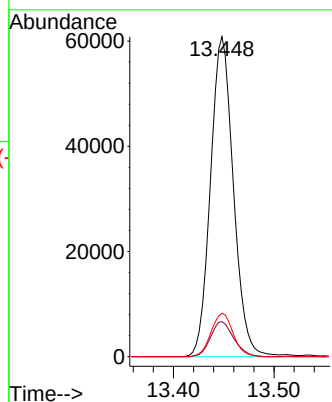
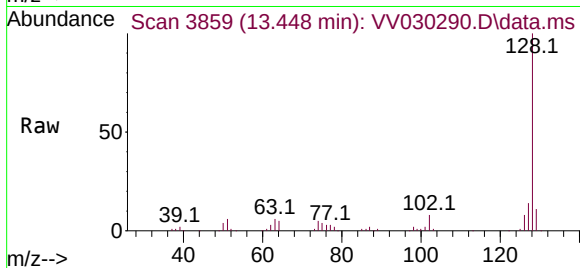
Tgt Ion:128 Resp: 96305

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.1 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.265 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030290.D

Acq: 22 Mar 2023 13:30

Tgt Ion:180 Resp: 59090

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.2

145 31.6 25.1 37.7

