

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW030323\
 Data File : VW030128.D
 Acq On : 03 Mar 2023 09:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005292

Quant Time: Mar 03 22:23:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 03:28:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	153785	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	150477	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	91459	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	41470	4.168	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.536	69	43625	4.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.066	63	98873	4.833	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.600%
20) 2-Butanone-d5	3.835	46	97726	53.268	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.540%
24) Chloroform-d	4.259	84	103590	5.096	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	4.953	65	41931	5.053	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.000%
32) Benzene-d6	4.970	84	182724	4.513	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.200%
36) 1,2-Dichloropropane-d6	5.998	67	57888	4.752	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.000%
41) Toluene-d8	7.249	98	170299	4.437	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
43) trans-1,3-Dichloroprop...	7.558	79	19017	4.563	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.034	63	87781	50.913	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.820%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	47182	5.445	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	66596	4.304	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	70821	5.660	ug/L	99
3) Chloromethane	1.217	50	99182	5.030	ug/L	98
5) Vinyl chloride	1.285	62	72541	5.536	ug/L	99
6) Bromomethane	1.491	94	14819	6.300	ug/L	93
8) Chloroethane	1.555	64	45953	5.756	ug/L	96
9) Trichlorofluoromethane	1.719	101	107427	5.714	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	66762	5.726	ug/L	99
12) 1,1-Dichloroethene	2.076	96	59035	5.720	ug/L	93
13) Acetone	2.166	43	75191	55.452	ug/L #	53
14) Carbon disulfide	2.246	76	151084	5.471	ug/L	99
15) Methyl Acetate	2.394	43	17293	5.461	ug/L	98
16) Methylene chloride	2.452	84	59328	4.706	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	107909	5.347	ug/L	99
18) trans-1,2-Dichloroethene	2.700	96	53960	5.496	ug/L	97
19) 1,1-Dichloroethane	3.121	63	104481	5.713	ug/L	99
21) 2-Butanone	3.908	43	99681	54.661	ug/L	96
22) cis-1,2-Dichloroethene	3.825	96	56689	5.224	ug/L	100
23) Bromochloromethane	4.159	128	27118	5.848	ug/L	98
25) Chloroform	4.285	83	112769	5.927	ug/L	96

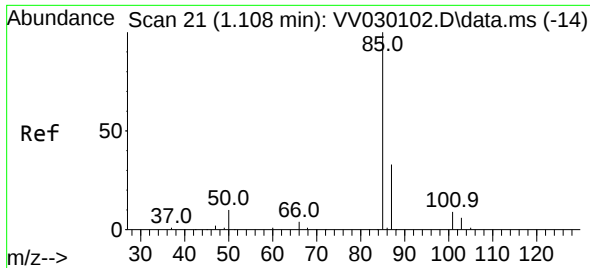
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 Data File : VV030128.D
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Quant Time: Mar 03 22:23:10 2023
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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 03 03:28:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	57528	5.781	ug/L	97
29) 1,1,1-Trichloroethane	4.523	97	100710	5.697	ug/L	99
30) Cyclohexane	4.593	56	72444	4.743	ug/L	98
31) Carbon tetrachloride	4.744	117	89110	5.609	ug/L	98
33) Benzene	5.018	78	225320	5.483	ug/L	100
34) Trichloroethene	5.841	95	59800	5.193	ug/L	99
35) Methylcyclohexane	6.059	83	84734	4.862	ug/L	97
37) 1,2-Dichloropropane	6.101	63	58348	5.581	ug/L	99
38) Bromodichloromethane	6.442	83	76206	5.710	ug/L	96
39) cis-1,3-Dichloropropene	6.963	75	76823	5.019	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	242022	56.098	ug/L	99
42) Toluene	7.323	91	246227	5.532	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	64771	5.421	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	42345	5.660	ug/L	99
47) Tetrachloroethene	7.912	164	54055	5.469	ug/L	99
48) 2-Hexanone	8.085	43	179228	58.029	ug/L	99
49) Dibromochloromethane	8.185	129	50932	5.818	ug/L	100
50) 1,2-Dibromoethane	8.291	107	39137	5.607	ug/L	95
51) Chlorobenzene	8.821	112	158355	5.275	ug/L	100
52) Ethylbenzene	8.953	91	255776	5.280	ug/L	99
53) m,p-Xylene	9.082	106	99631	5.352	ug/L	97
54) o-Xylene	9.487	106	93080	5.234	ug/L	97
55) Styrene	9.503	104	168833	5.709	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	49026	5.859	ug/L	100
59) Bromoform	9.674	173	30843	5.626	ug/L	99
60) Isopropylbenzene	9.876	105	262781	4.993	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	32823	5.362	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	207134	4.792	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	217376	4.916	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	140830	5.140	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	142136	5.141	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	125222	5.176	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	6893	5.042	ug/L	94
69) 1,3,5-Trichlorobenzene	12.593	180	110339	4.898	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	84123	4.610	ug/L	99
71) Naphthalene	13.448	128	105815	4.437	ug/L	100
72) 1,2,3-Trichlorobenzene	13.689	180	71770	4.778	ug/L	99

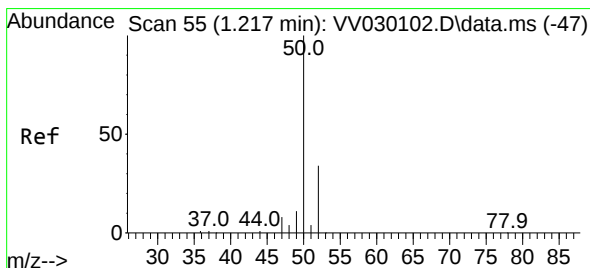
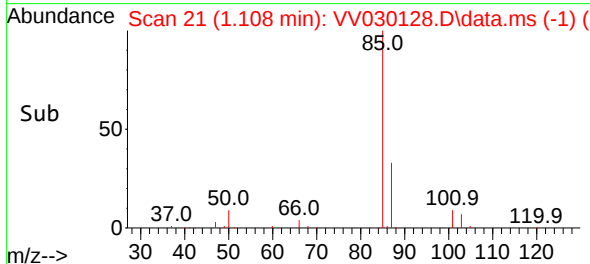
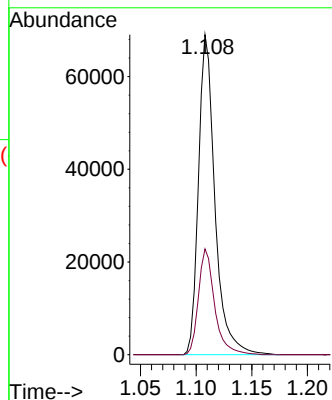
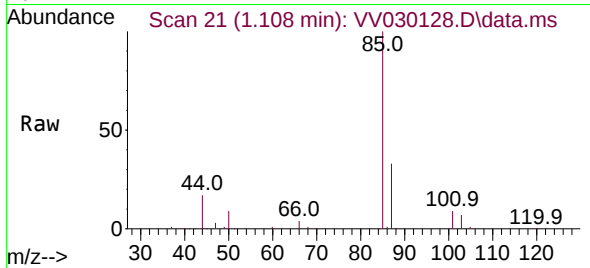
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 5.660 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

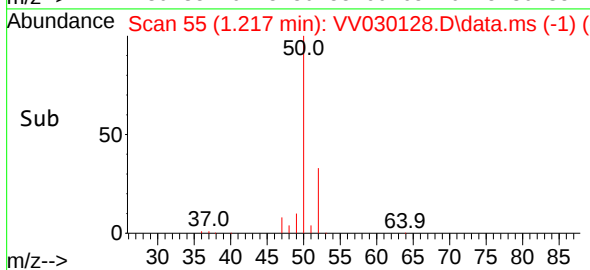
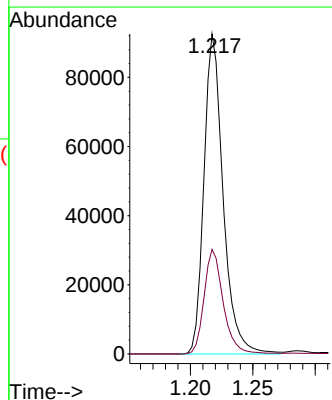
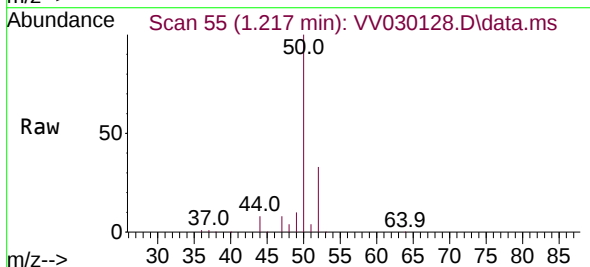
Instrument :
 MSVOA_V
 ClientSampleId :
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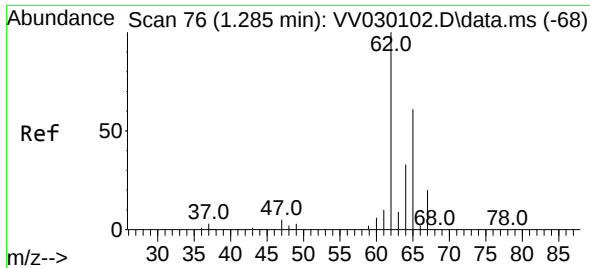
Tgt Ion: 85 Resp: 70821
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.6 39.8



#3
 Chloromethane
 Concen: 5.030 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

Tgt Ion: 50 Resp: 99182
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.6 43.8

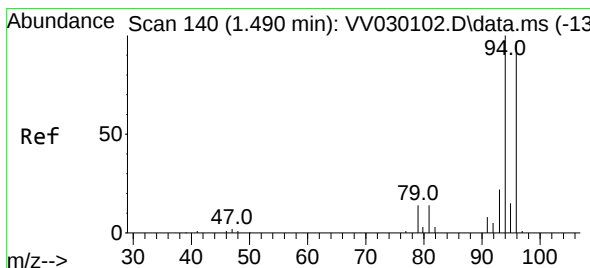
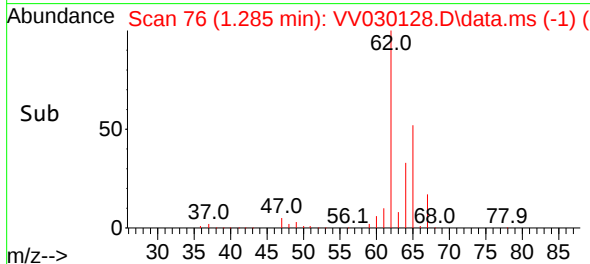
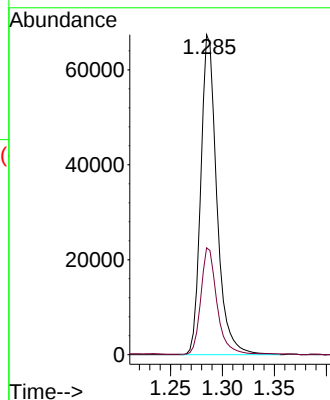
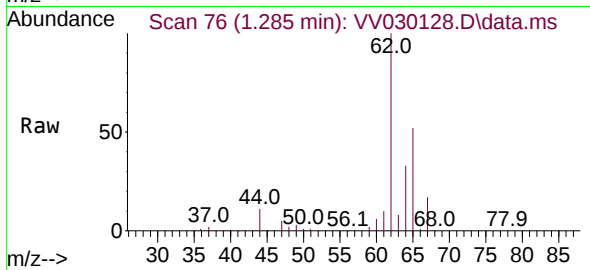




#5
 Vinyl chloride
 Concen: 5.536 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

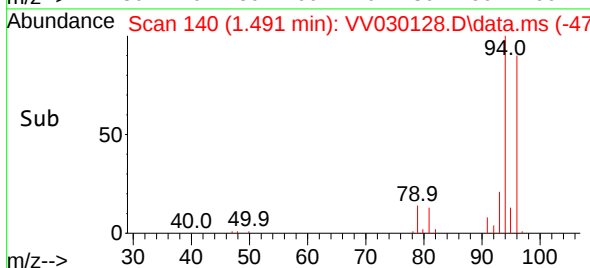
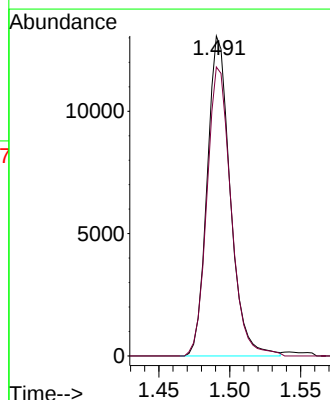
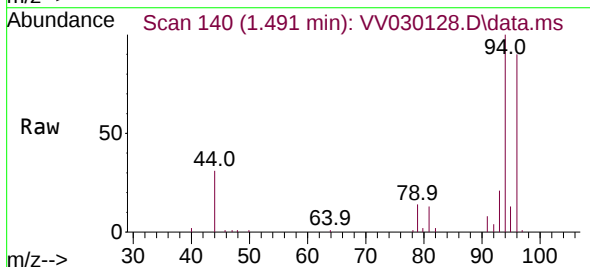
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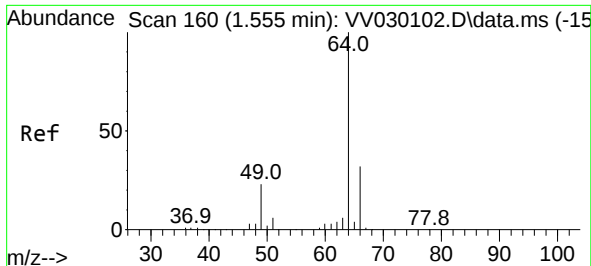
Tgt Ion: 62 Resp: 72541
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.1 42.9



#6
 Bromomethane
 Concen: 6.300 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

Tgt Ion: 94 Resp: 14819
 Ion Ratio Lower Upper
 94 100
 96 90.3 68.4 127.0

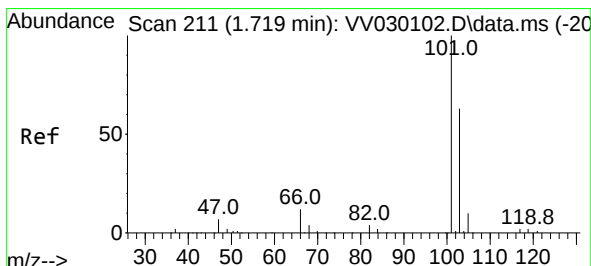
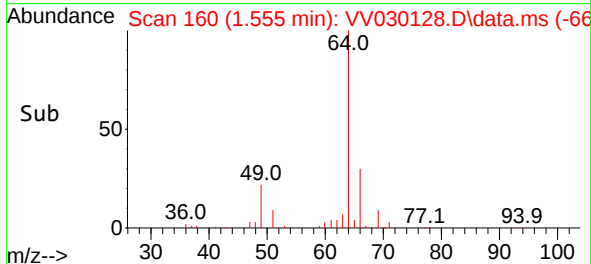
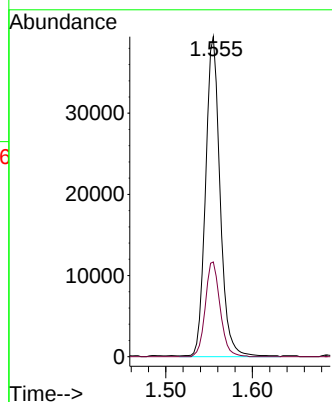
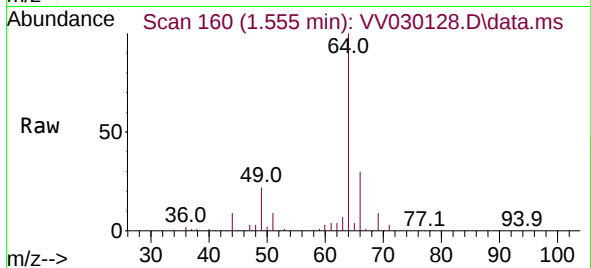




#8
Chloroethane
Concen: 5.756 ug/L
RT: 1.555 min Scan# 160
Delta R.T. 0.003 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

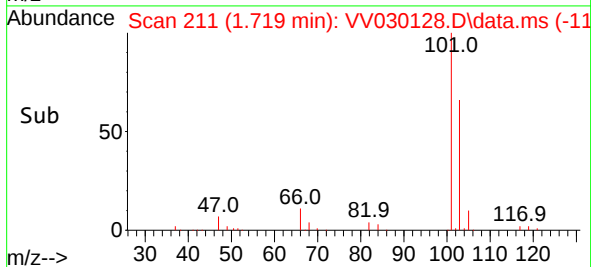
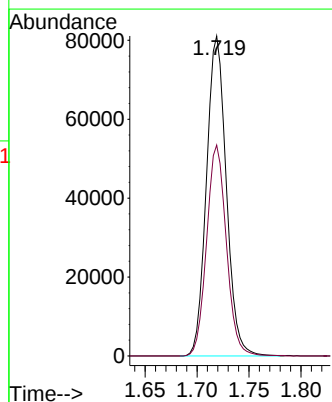
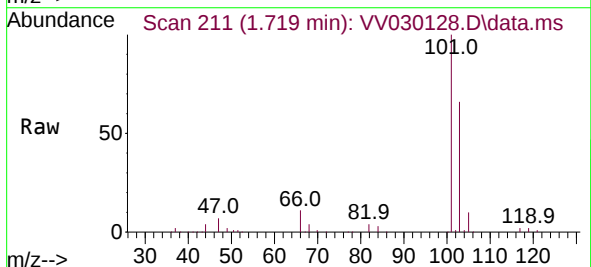
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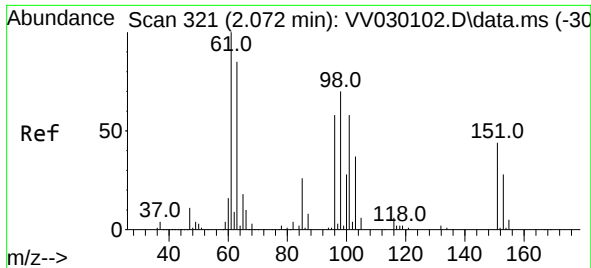
Tgt Ion: 64 Resp: 45953
Ion Ratio Lower Upper
64 100
66 29.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.714 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion:101 Resp: 107427
Ion Ratio Lower Upper
101 100
103 65.6 52.7 79.1

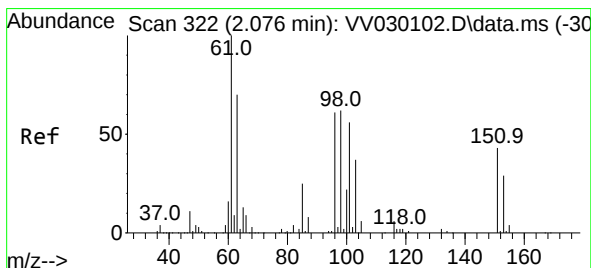
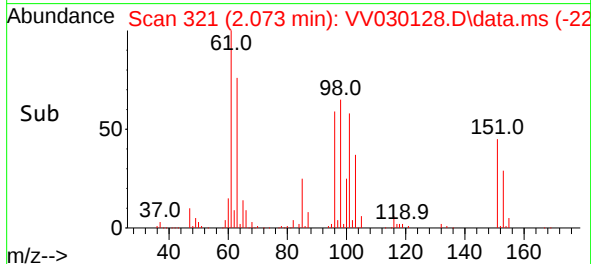
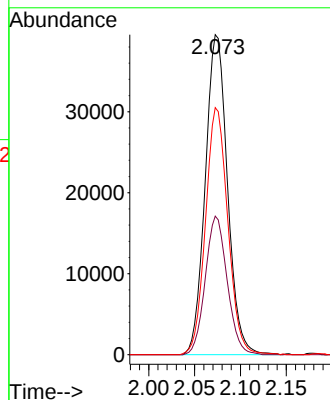
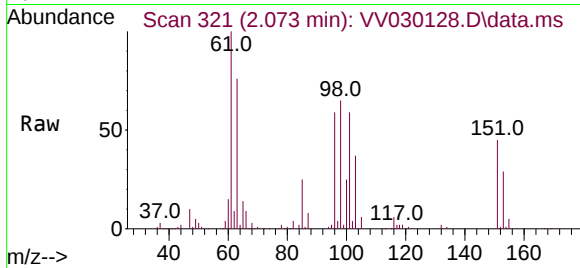




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.726 ug/L
 RT: 2.073 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

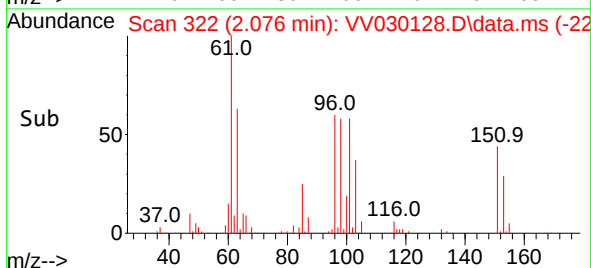
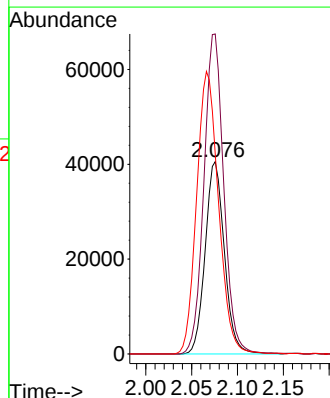
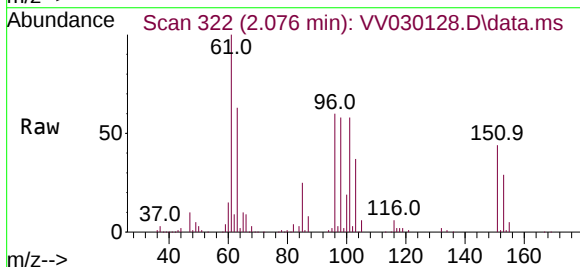
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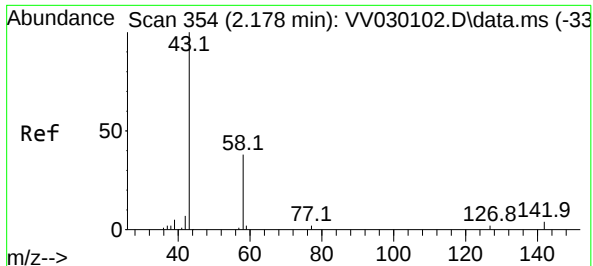
Tgt Ion:101 Resp: 66762
 Ion Ratio Lower Upper
 101 100
 85 42.5 33.5 50.3
 151 77.4 61.6 92.4



#12
 1,1-Dichloroethene
 Concen: 5.720 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

Tgt Ion: 96 Resp: 59035
 Ion Ratio Lower Upper
 96 100
 61 166.4 115.6 214.6
 63 104.0 85.6 159.0





#13

Acetone

Concen: 55.452 ug/L

RT: 2.166 min Scan# 3

Delta R.T. -0.006 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

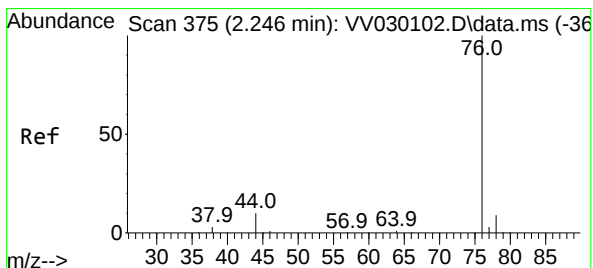
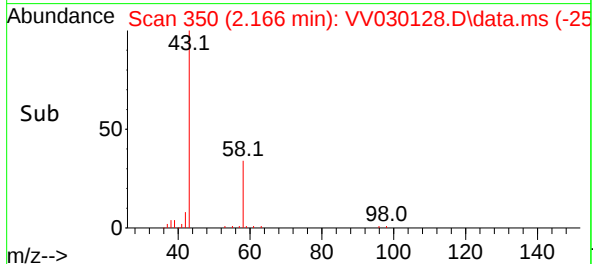
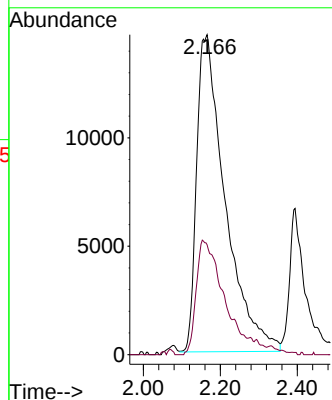
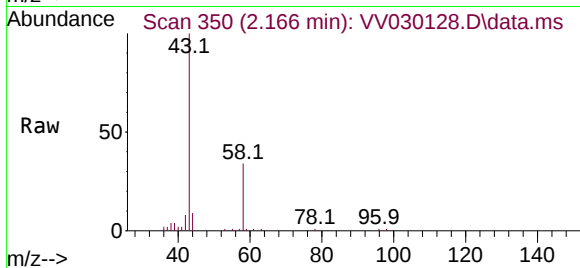
VSTD005292

Tgt Ion: 43 Resp: 75191

Ion Ratio Lower Upper

43 100

58 34.2 0.0 29.4#



#14

Carbon disulfide

Concen: 5.471 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030128.D

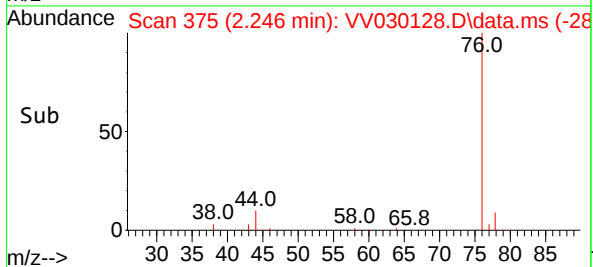
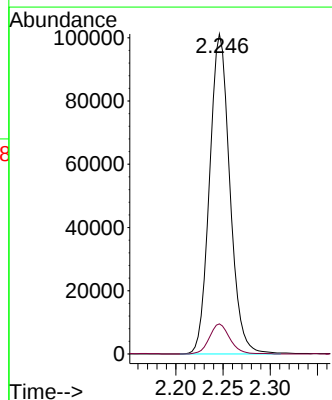
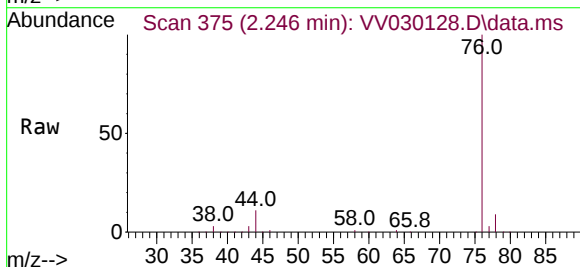
Acq: 03 Mar 2023 09:16

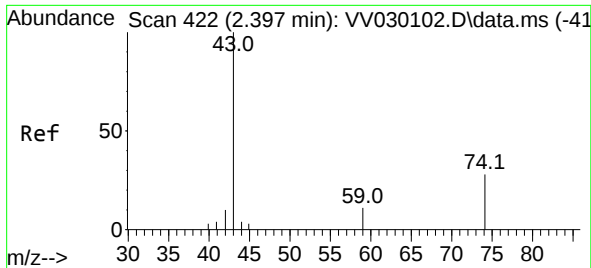
Tgt Ion: 76 Resp: 151084

Ion Ratio Lower Upper

76 100

78 9.4 7.7 11.5

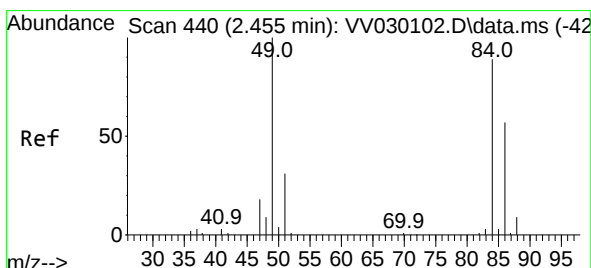
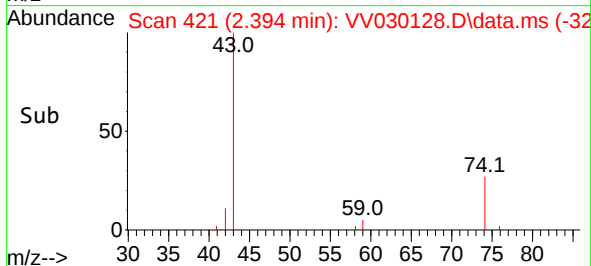
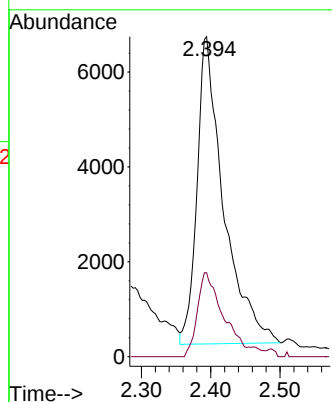
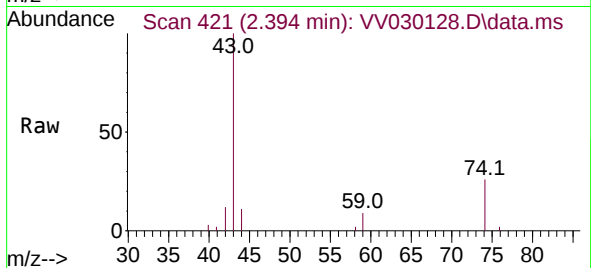




#15
Methyl Acetate
Concen: 5.461 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

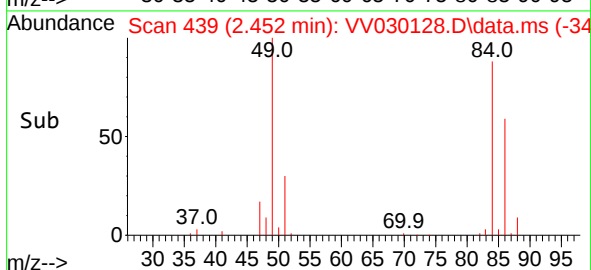
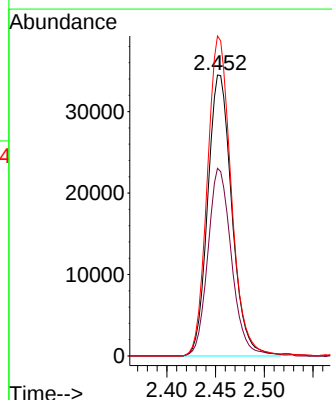
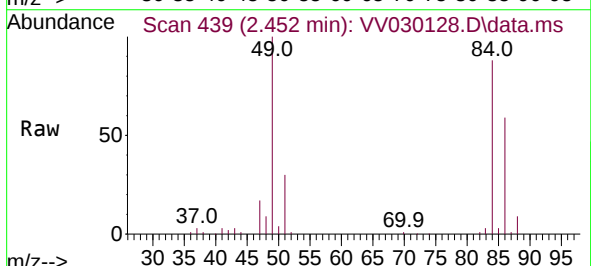
Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

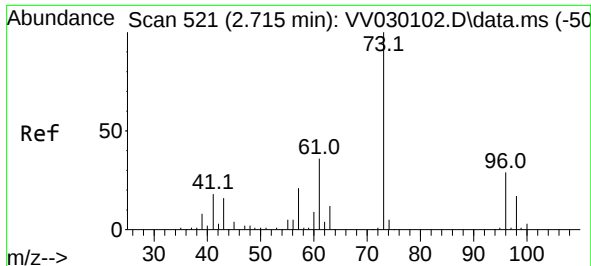
Tgt Ion: 43 Resp: 17293
Ion Ratio Lower Upper
43 100
74 26.3 20.1 30.1



#16
Methylene chloride
Concen: 4.706 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion: 84 Resp: 59328
Ion Ratio Lower Upper
84 100
86 66.8 44.7 83.1
49 113.9 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 5.347 ug/L

RT: 2.712 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005292

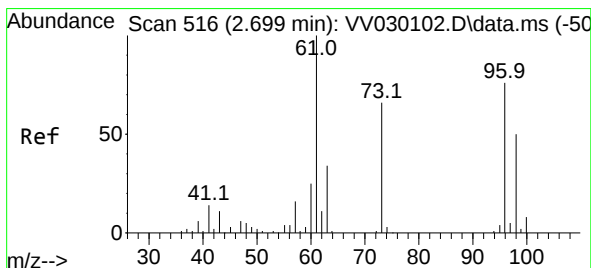
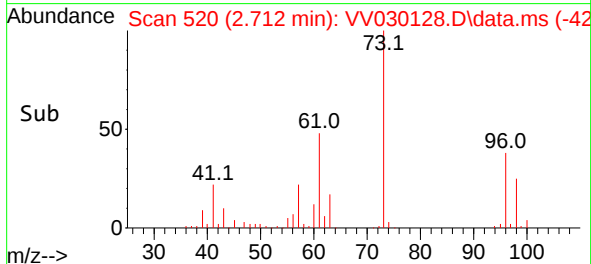
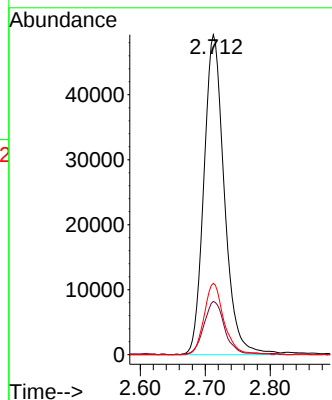
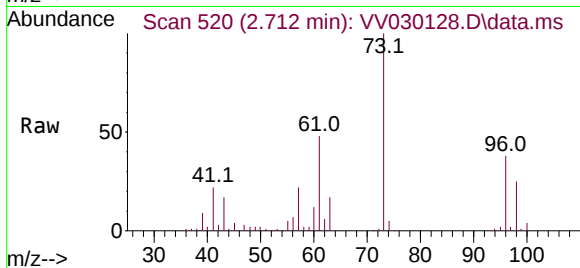
Tgt Ion: 73 Resp: 107909

Ion Ratio Lower Upper

73 100

43 16.9 13.4 20.2

57 21.5 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 5.496 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

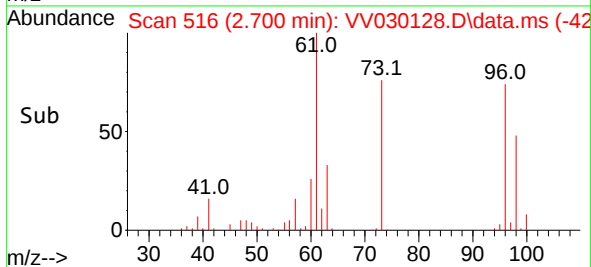
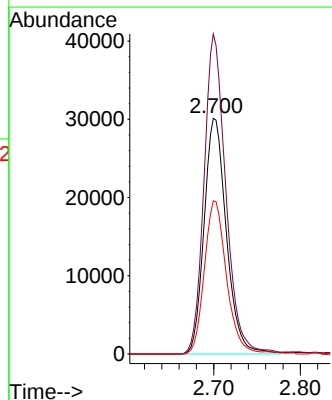
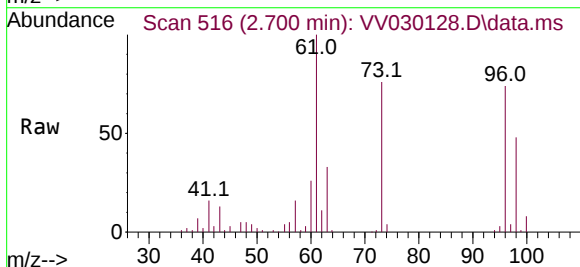
Tgt Ion: 96 Resp: 53960

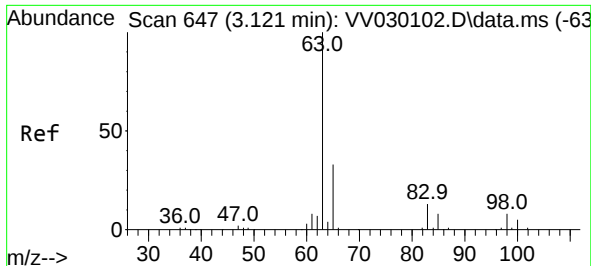
Ion Ratio Lower Upper

96 100

61 135.8 91.0 169.0

98 64.9 45.2 84.0

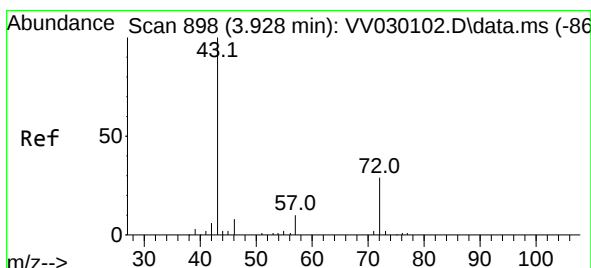
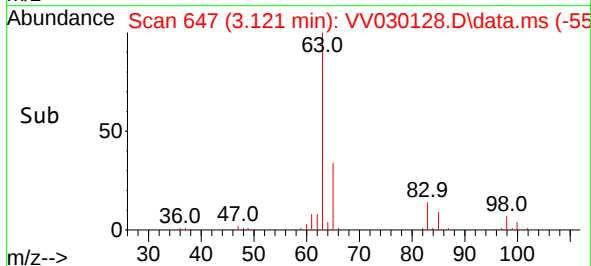
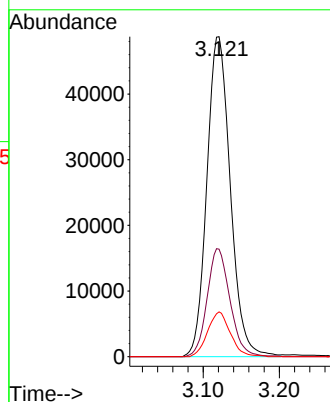
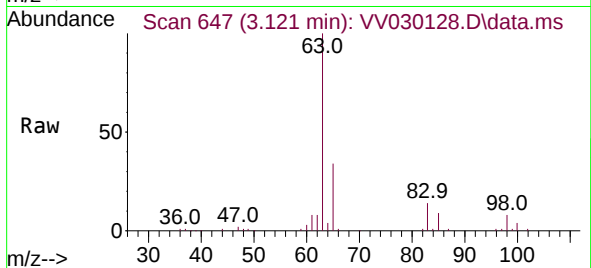




#19
1,1-Dichloroethane
Concen: 5.713 ug/L
RT: 3.121 min Scan# 647
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

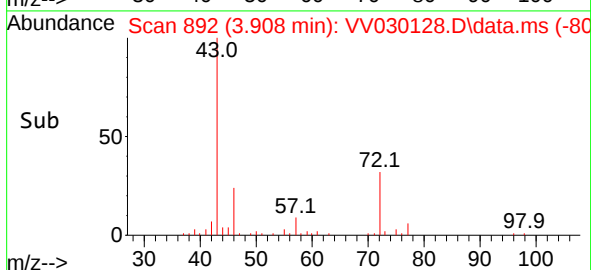
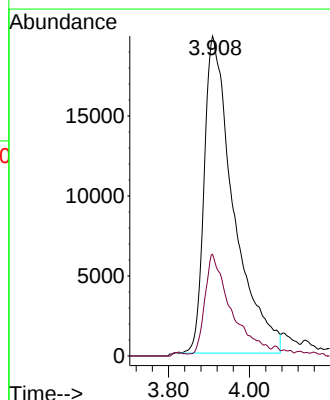
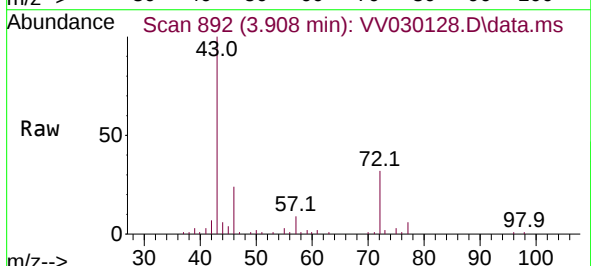
Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

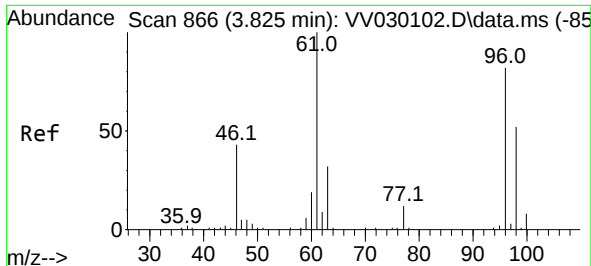
Tgt Ion:	63	Resp:	104481
Ion	Ratio	Lower	Upper
63	100		
65	33.6	23.0	42.8
83	14.0	9.6	17.8



#21
2-Butanone
Concen: 54.661 ug/L
RT: 3.908 min Scan# 892
Delta R.T. -0.010 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion:	43	Resp:	99681
Ion	Ratio	Lower	Upper
43	100		
72	28.1	15.1	45.3





#22

cis-1,2-Dichloroethene

Concen: 5.224 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005292

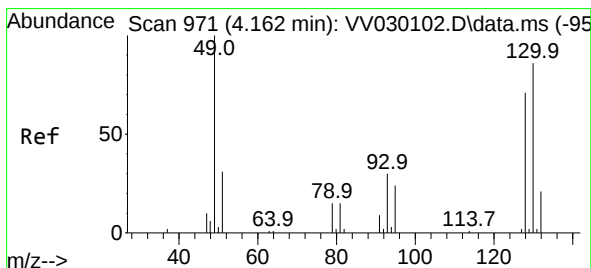
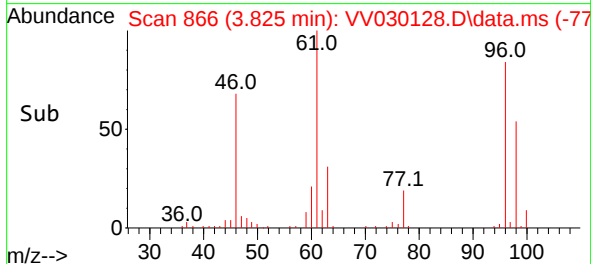
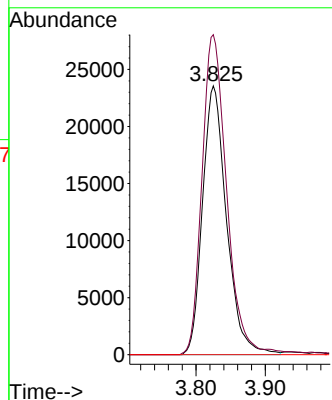
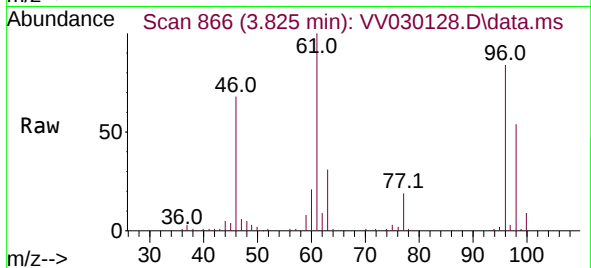
Tgt Ion: 96 Resp: 56689

Ion Ratio Lower Upper

96 100

61 119.0 83.4 154.8

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 5.848 ug/L

RT: 4.159 min Scan# 970

Delta R.T. -0.003 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Tgt Ion: 128 Resp: 27118

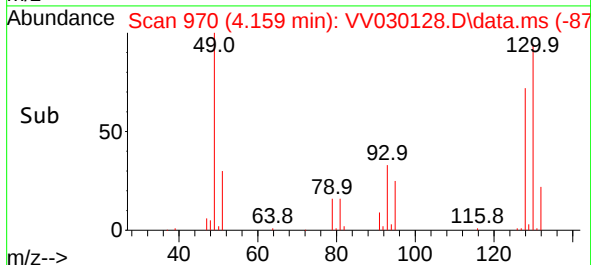
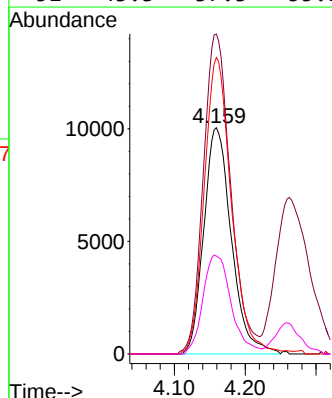
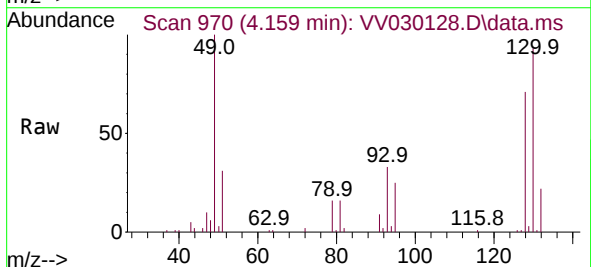
Ion Ratio Lower Upper

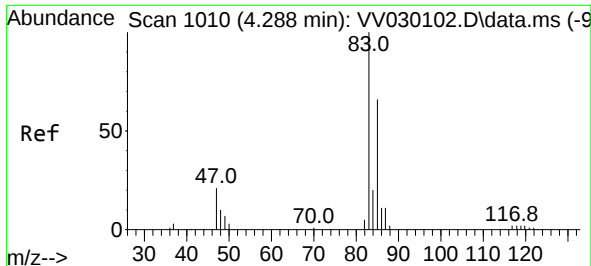
128 100

49 141.4 99.5 184.9

130 131.1 90.5 168.1

51 43.3 37.3 55.9





#25

Chloroform

Concen: 5.927 ug/L

RT: 4.285 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

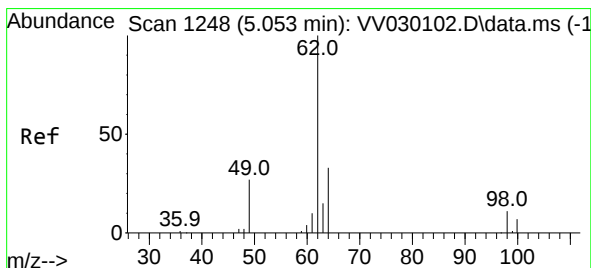
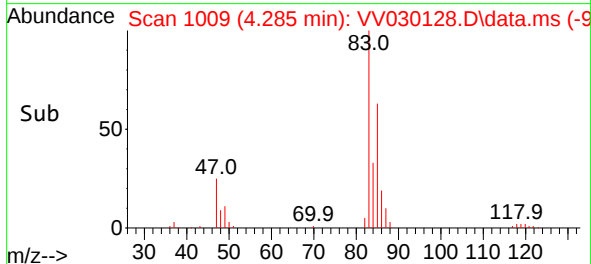
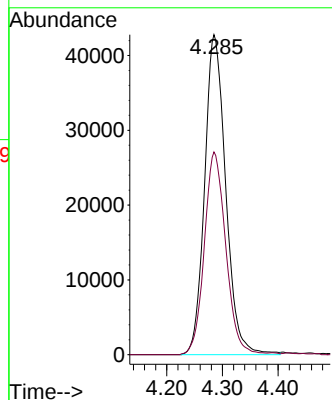
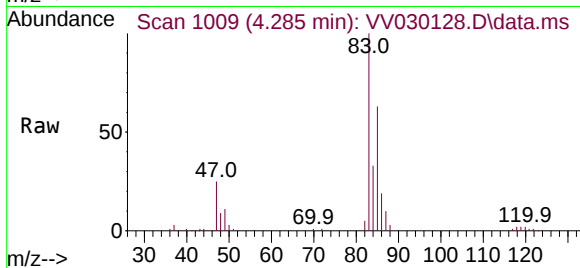
VSTD005292

Tgt Ion: 83 Resp: 112769

Ion Ratio Lower Upper

83 100

85 63.4 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.781 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030128.D

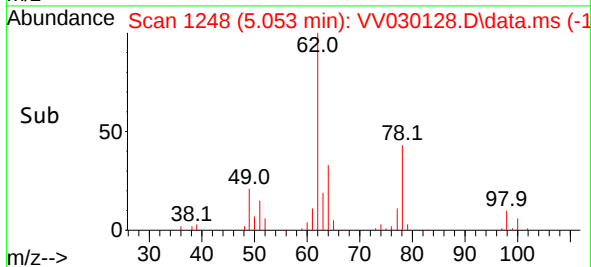
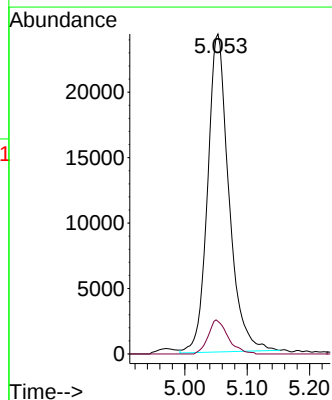
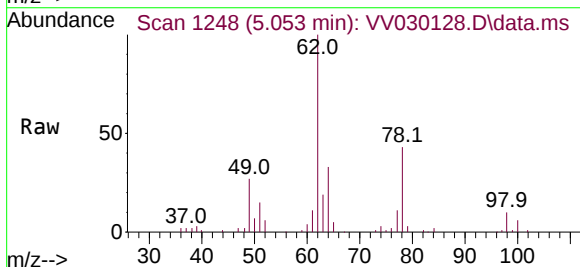
Acq: 03 Mar 2023 09:16

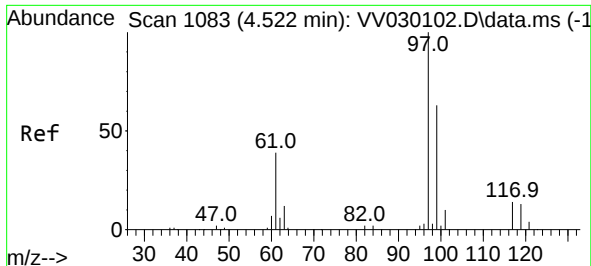
Tgt Ion: 62 Resp: 57528

Ion Ratio Lower Upper

62 100

98 10.2 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.697 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005292

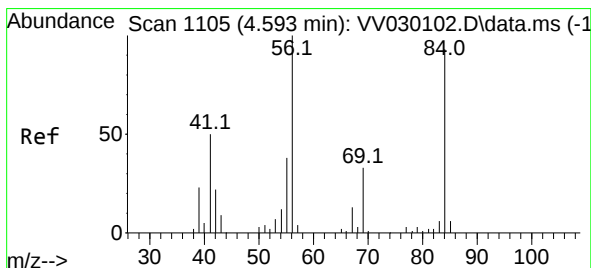
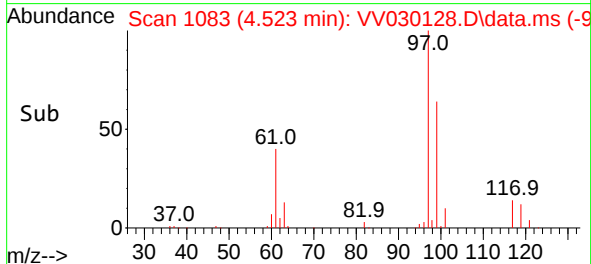
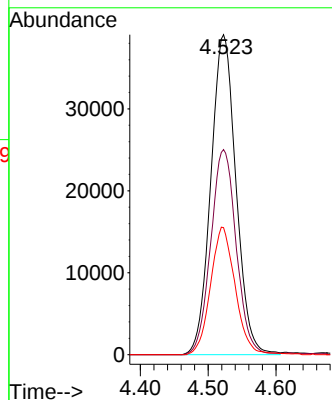
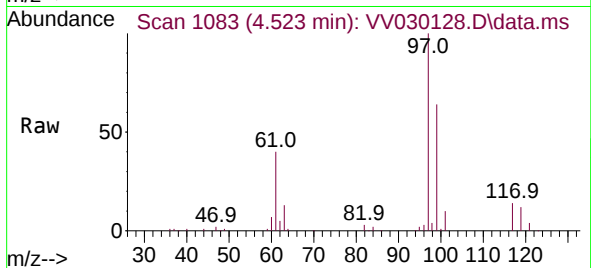
Tgt Ion: 97 Resp: 100710

Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

61 39.1 31.5 47.3



#30

Cyclohexane

Concen: 4.743 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

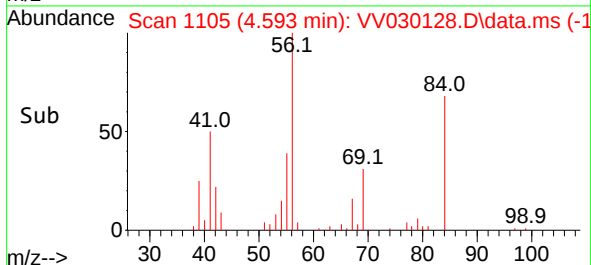
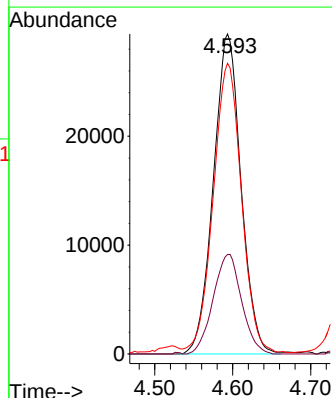
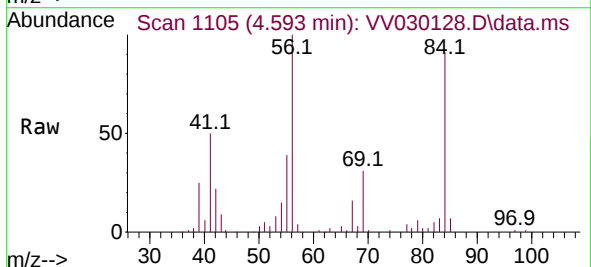
Tgt Ion: 56 Resp: 72444

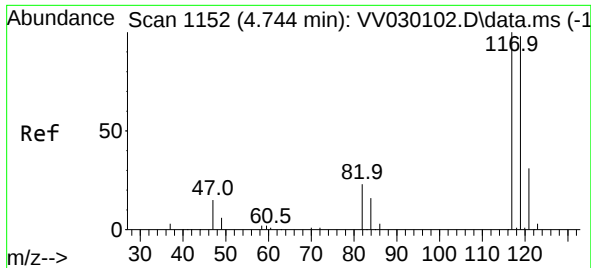
Ion Ratio Lower Upper

56 100

69 32.0 25.1 37.7

84 91.5 74.6 111.8

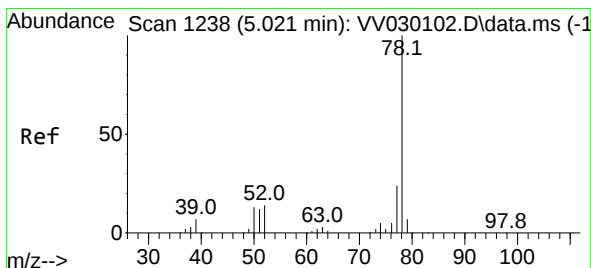
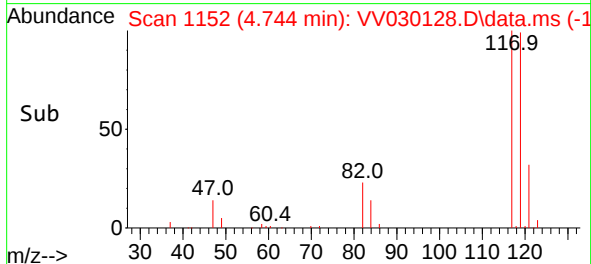
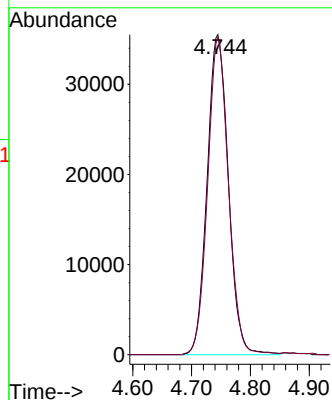
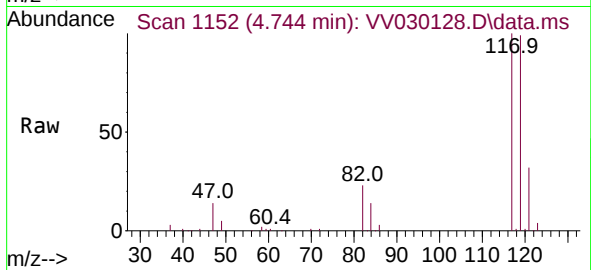




#31
Carbon tetrachloride
Concen: 5.609 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

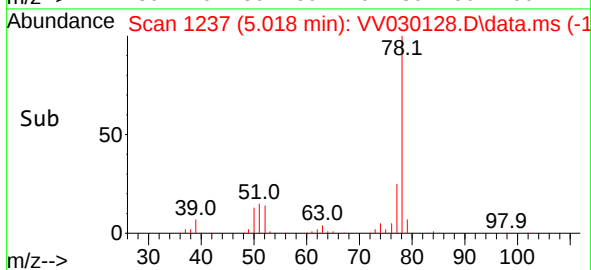
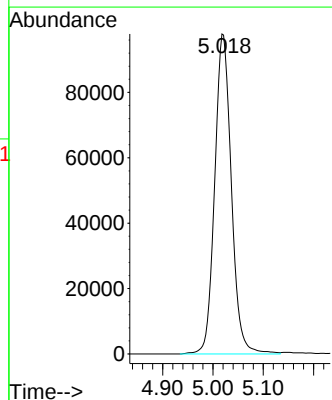
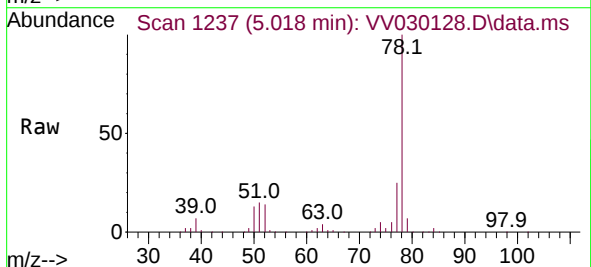
Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

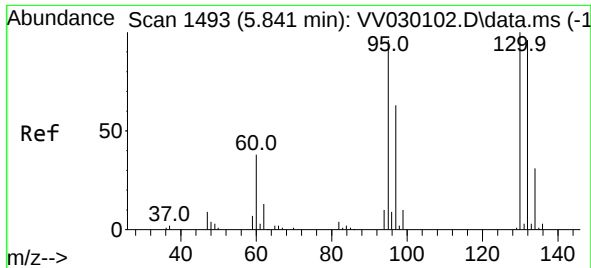
Tgt Ion:117 Resp: 89110
Ion Ratio Lower Upper
117 100
119 97.0 76.1 114.1



#33
Benzene
Concen: 5.483 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion: 78 Resp: 225320



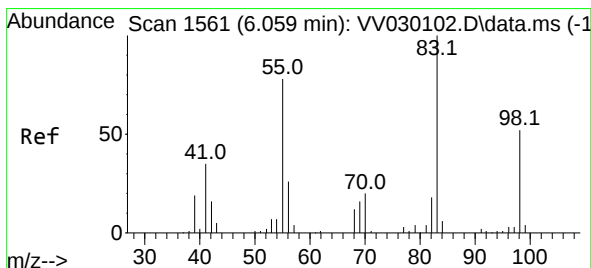
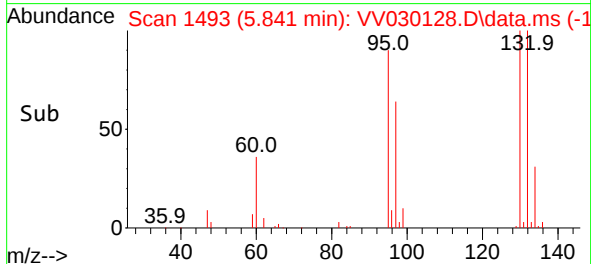
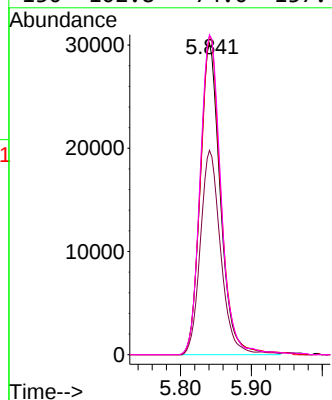
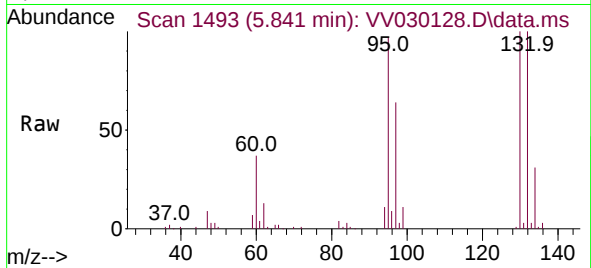


#34
Trichloroethene
Concen: 5.193 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

Tgt Ion: 95 Resp: 59800

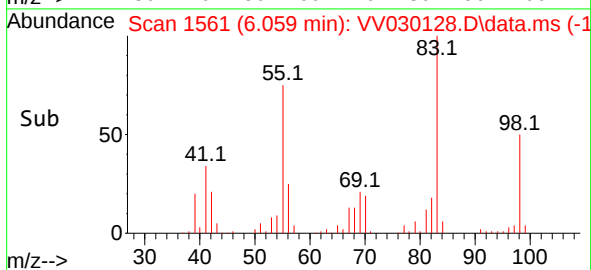
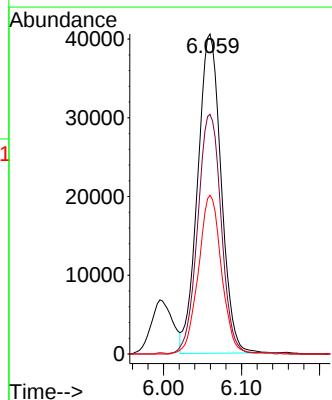
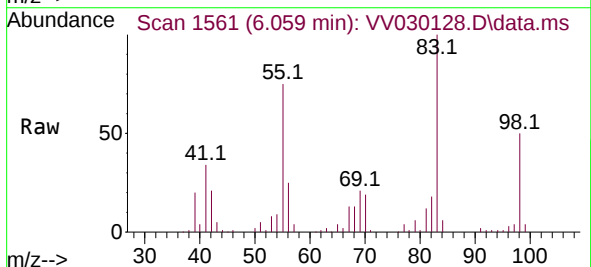
Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.5	86.5
132	102.5	71.7	133.3
130	102.8	74.0	137.4

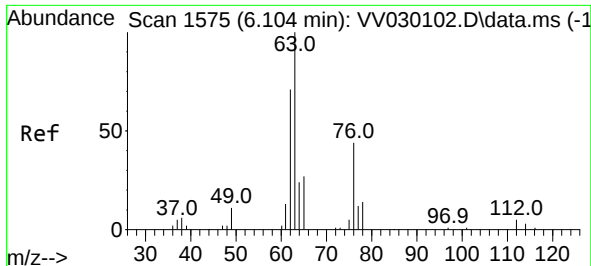


#35
Methylcyclohexane
Concen: 4.862 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion: 83 Resp: 84734

Ion	Ratio	Lower	Upper
83	100		
55	75.3	57.6	86.4
98	48.9	38.8	58.2





#37

1,2-Dichloropropane

Concen: 5.581 ug/L

RT: 6.101 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

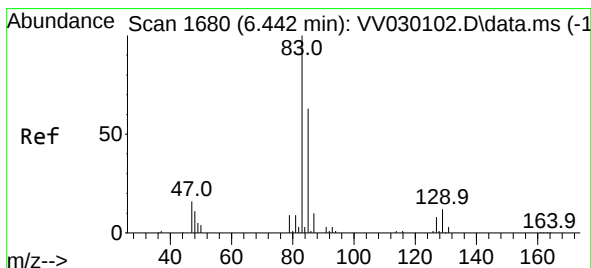
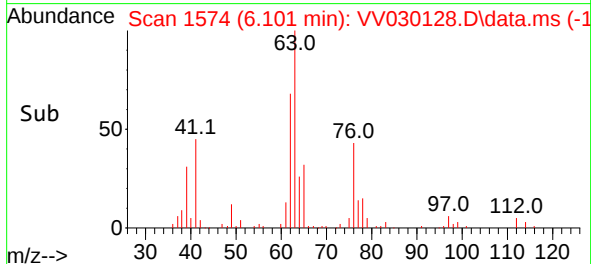
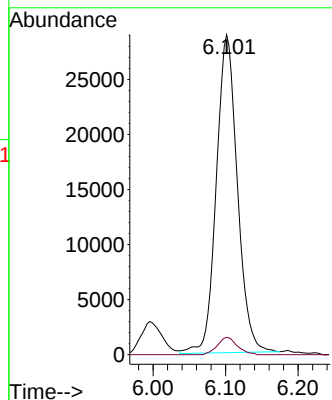
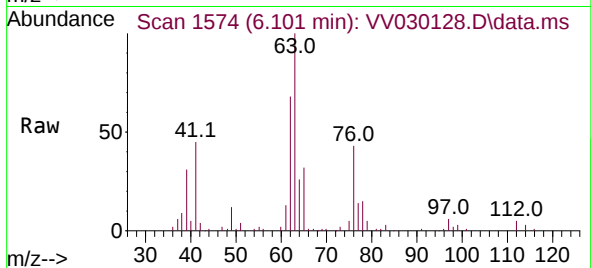
VSTD005292

Tgt Ion: 63 Resp: 58348

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 5.710 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

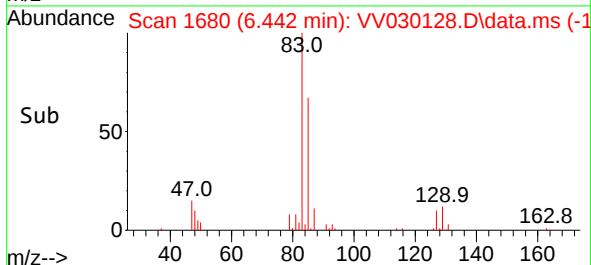
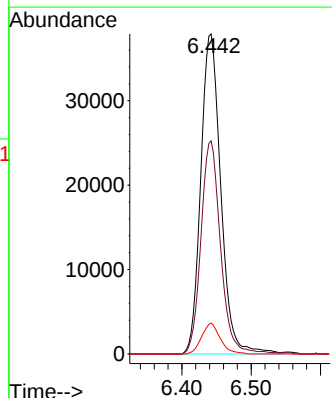
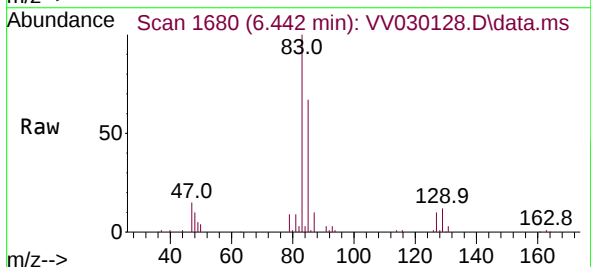
Tgt Ion: 83 Resp: 76206

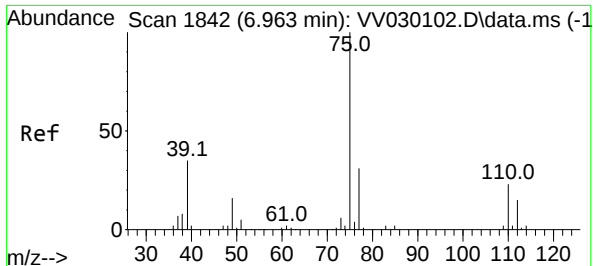
Ion Ratio Lower Upper

83 100

85 66.6 44.3 82.3

127 9.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 5.019 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

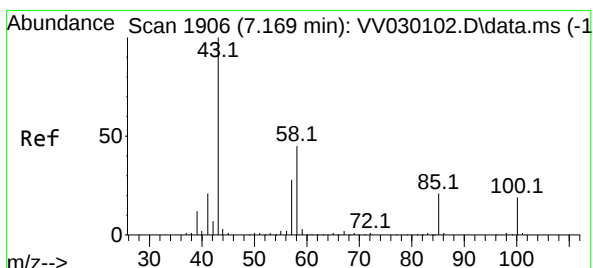
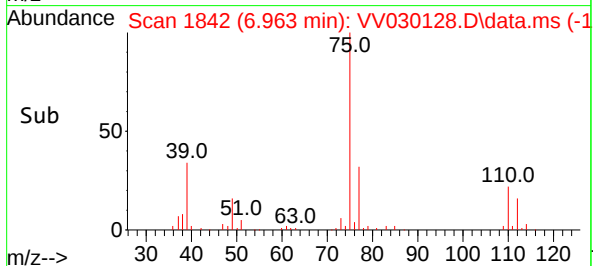
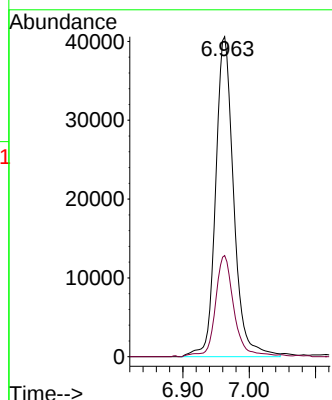
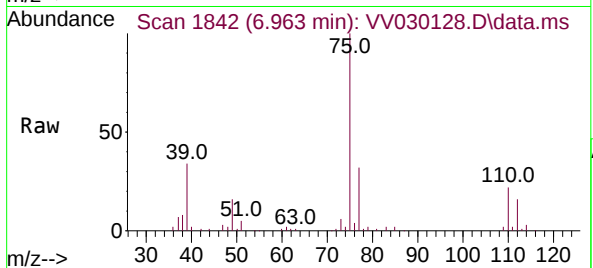
VSTD005292

Tgt Ion: 75 Resp: 76823

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 56.098 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

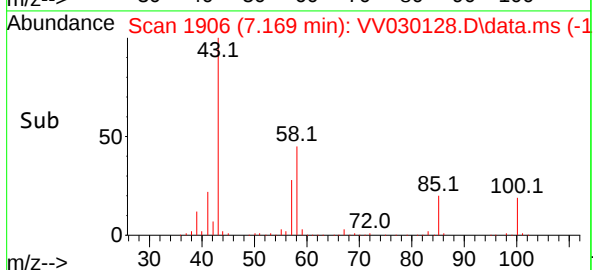
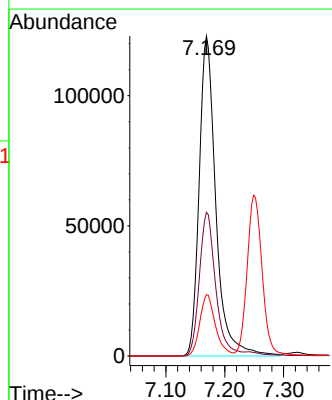
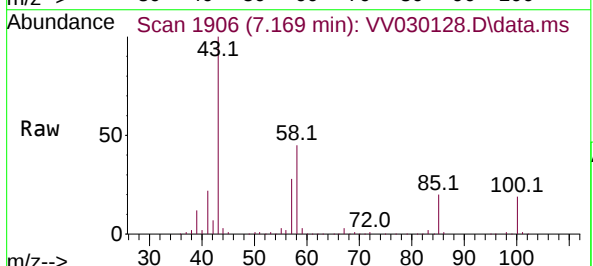
Tgt Ion: 43 Resp: 242022

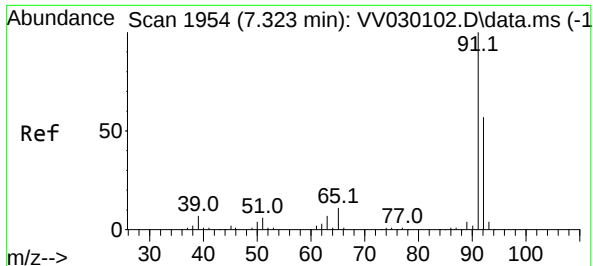
Ion Ratio Lower Upper

43 100

58 43.8 35.3 52.9

100 18.0 14.7 22.1





#42

Toluene

Concen: 5.532 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

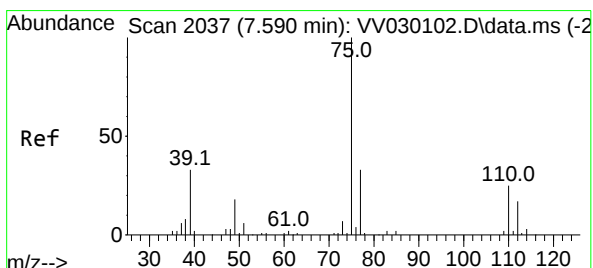
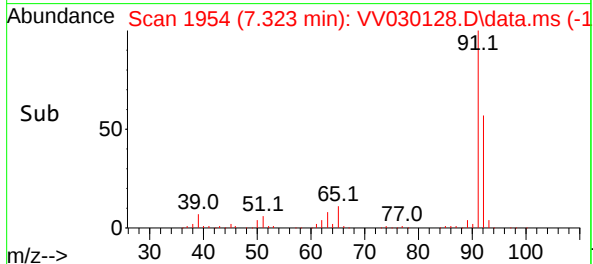
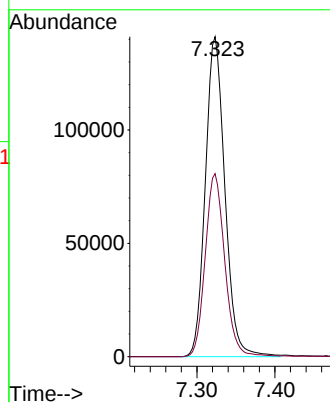
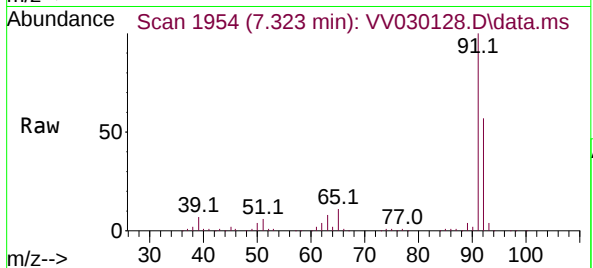
VSTD005292

Tgt Ion: 91 Resp: 246227

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.421 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030128.D

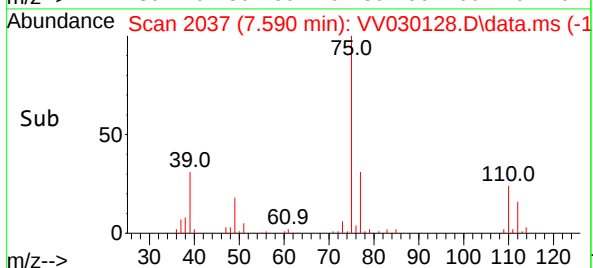
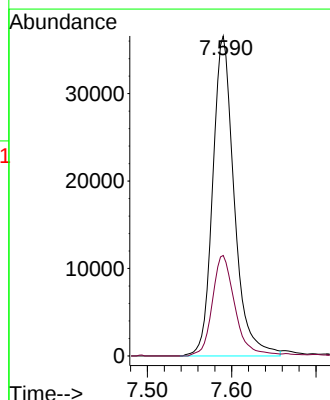
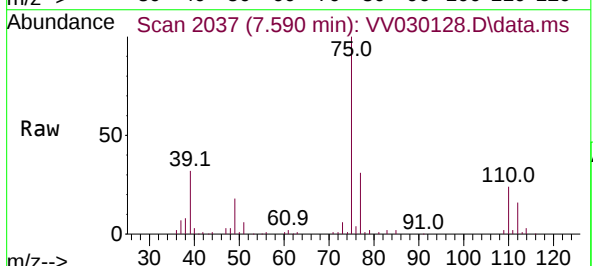
Acq: 03 Mar 2023 09:16

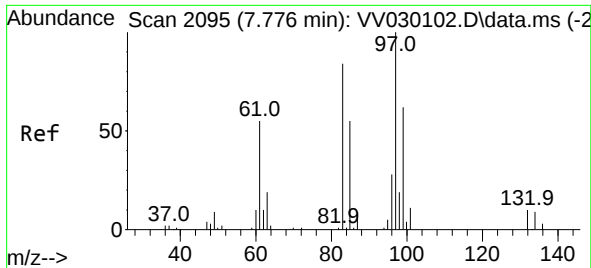
Tgt Ion: 75 Resp: 64771

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1

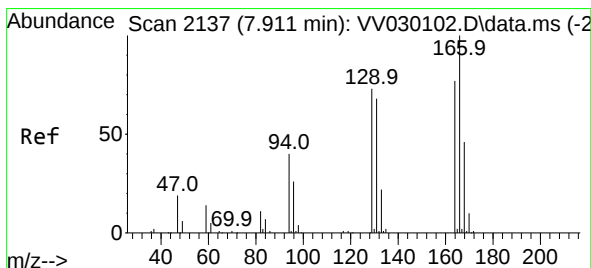
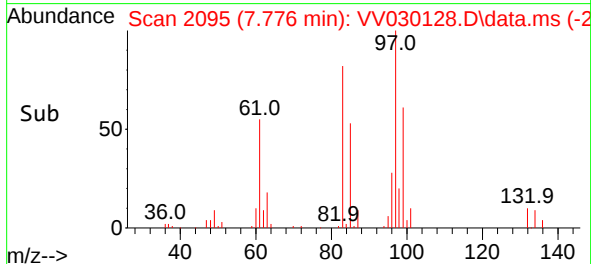
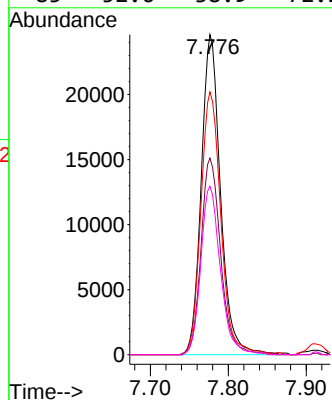
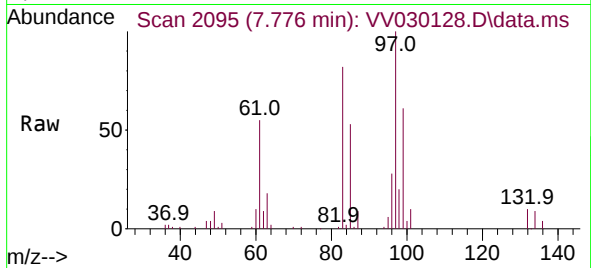




#45
 1,1,2-Trichloroethane
 Concen: 5.660 ug/L
 RT: 7.776 min Scan# 2095
 Delta R.T. -0.000 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

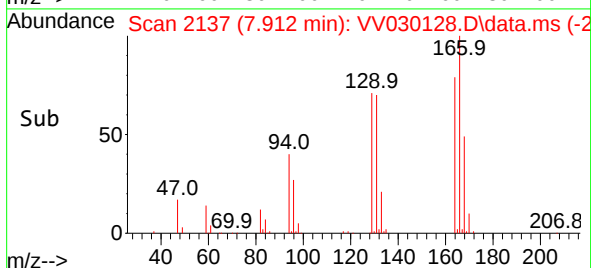
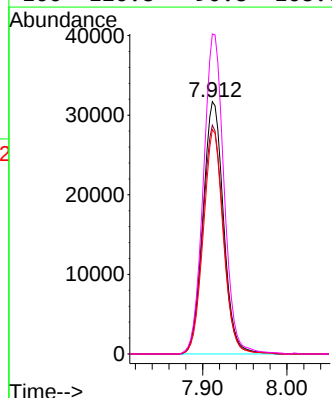
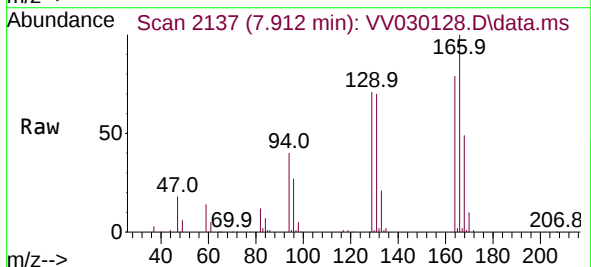
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005292

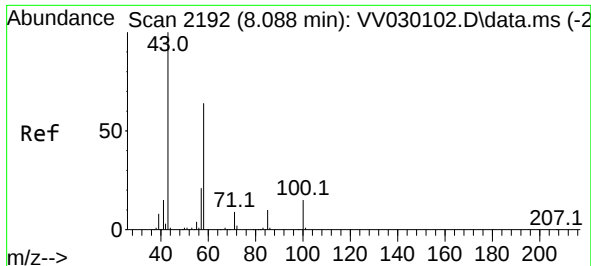
Tgt Ion: 97	Resp: 42345
Ion Ratio	Lower Upper
97 100	
99 61.4	42.6 79.2
83 82.1	57.7 107.3
85 52.6	38.9 72.2



#47
 Tetrachloroethene
 Concen: 5.469 ug/L
 RT: 7.912 min Scan# 2137
 Delta R.T. -0.000 min
 Lab File: VV030128.D
 Acq: 03 Mar 2023 09:16

Tgt	Ion:164	Resp:	54055
Ion	Ratio	Lower	Upper
164	100		
129	90.7	63.6	118.2
131	88.9	61.7	114.7
166	126.8	90.8	168.6



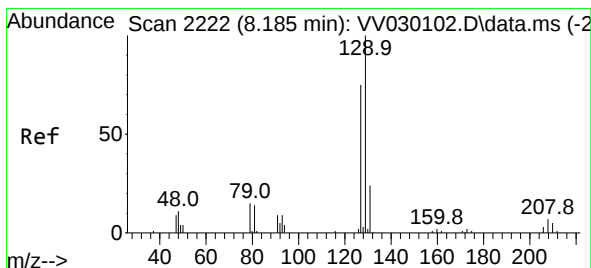
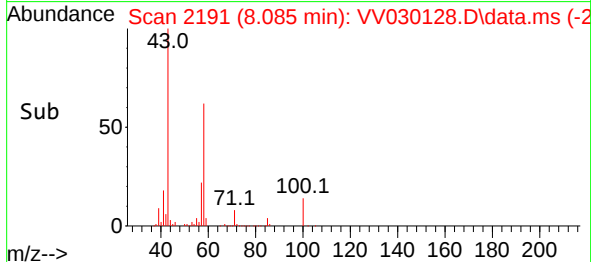
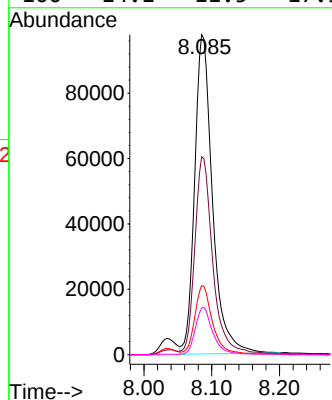
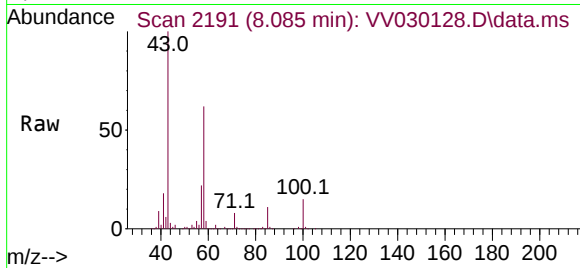


#48
2-Hexanone
Concen: 58.029 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

Tgt Ion: 43 Resp: 179228

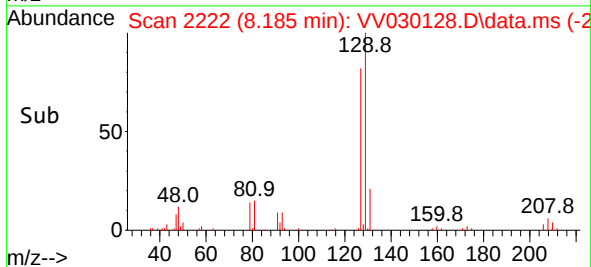
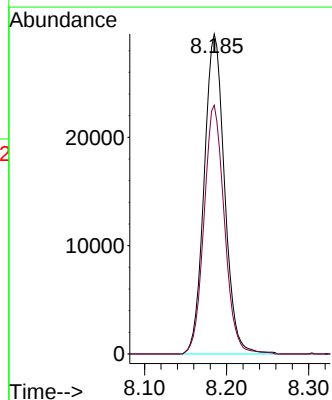
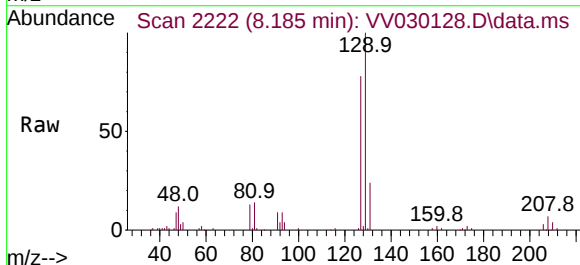
Ion	Ratio	Lower	Upper
43	100		
58	61.9	49.8	74.8
57	21.2	16.6	24.8
100	14.1	11.5	17.3

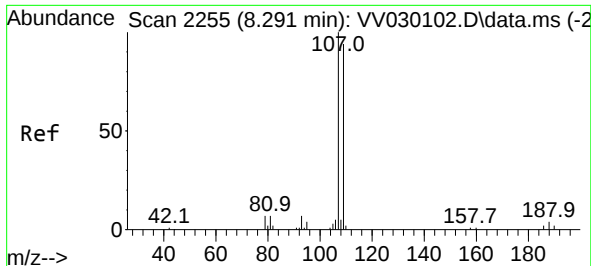


#49
Dibromochloromethane
Concen: 5.818 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion: 129 Resp: 50932

Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.7	101.5





#50

1,2-Dibromoethane

Concen: 5.607 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005292

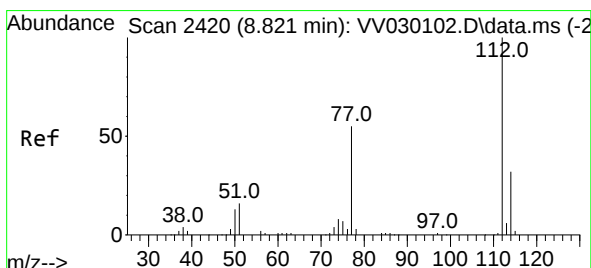
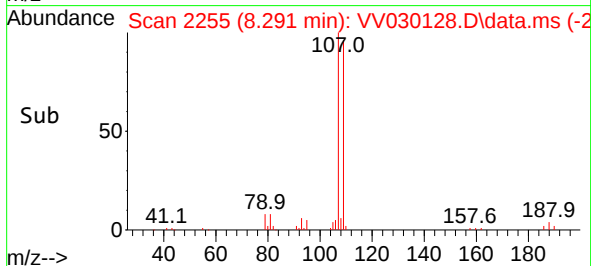
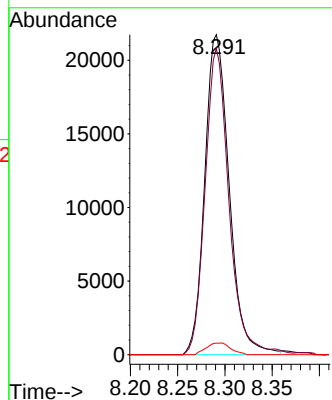
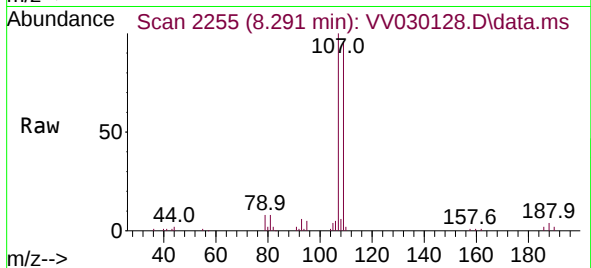
Tgt Ion:107 Resp: 39137

Ion Ratio Lower Upper

107 100

109 95.7 63.3 117.7

188 3.6 3.0 4.6



#51

Chlorobenzene

Concen: 5.275 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

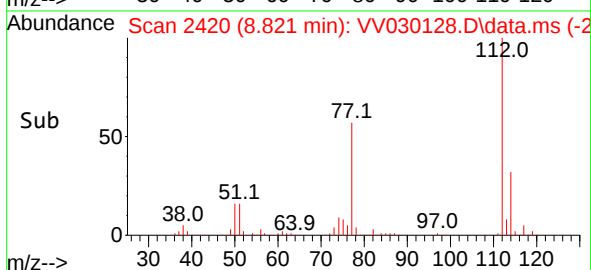
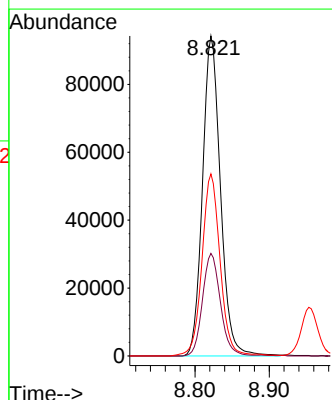
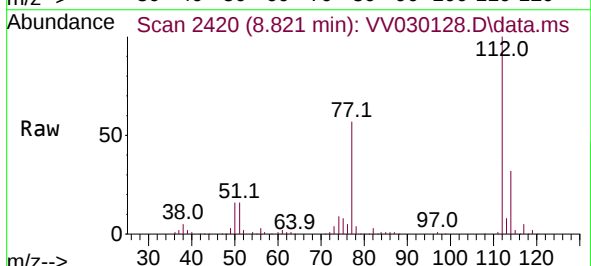
Tgt Ion:112 Resp: 158355

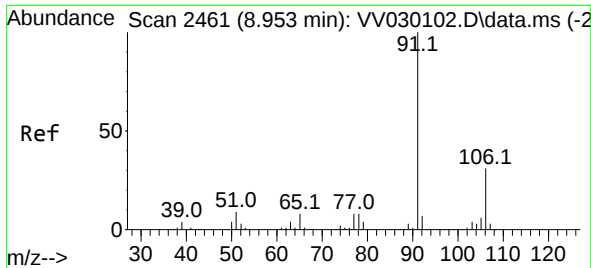
Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

77 56.9 45.3 67.9





#52

Ethylbenzene

Concen: 5.280 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

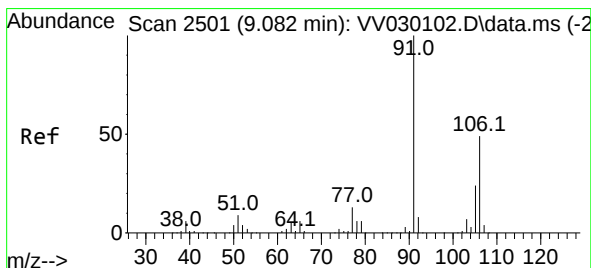
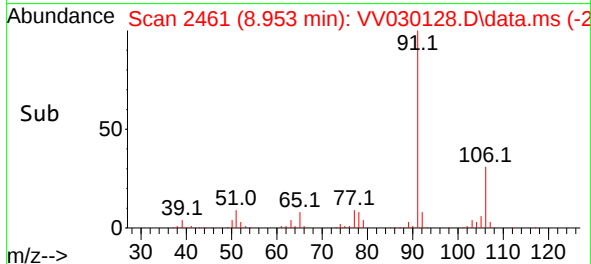
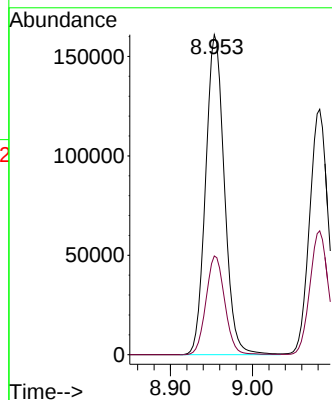
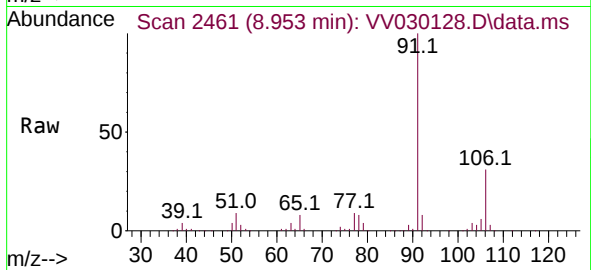
VSTD005292

Tgt Ion: 91 Resp: 255776

Ion Ratio Lower Upper

91 100

106 30.8 22.0 40.8



#53

m,p-Xylene

Concen: 5.352 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.003 min

Lab File: VV030128.D

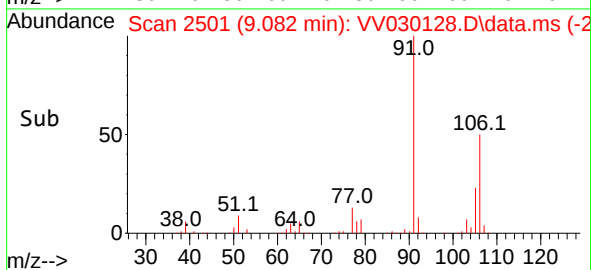
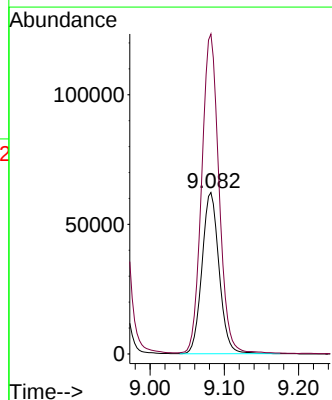
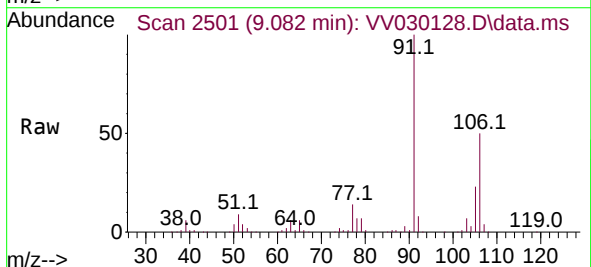
Acq: 03 Mar 2023 09:16

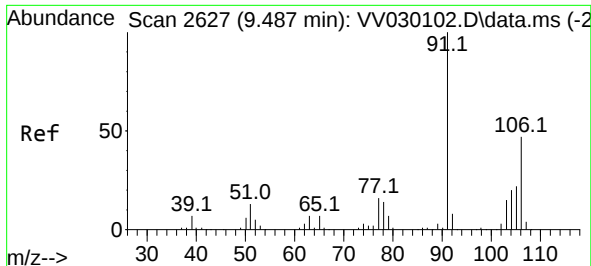
Tgt Ion: 106 Resp: 99631

Ion Ratio Lower Upper

106 100

91 198.3 142.5 264.7

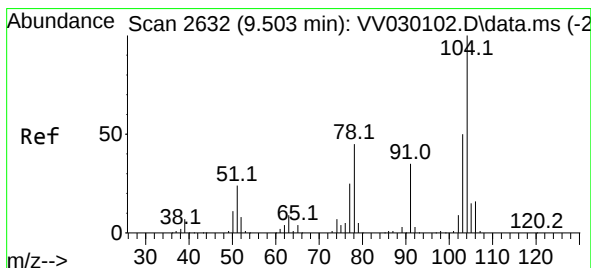
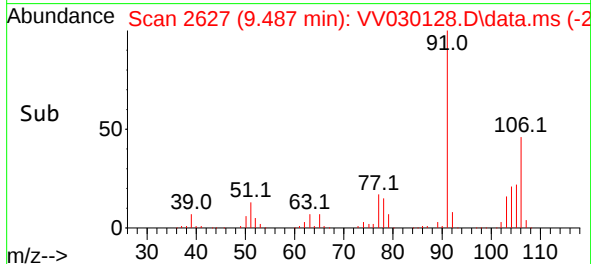
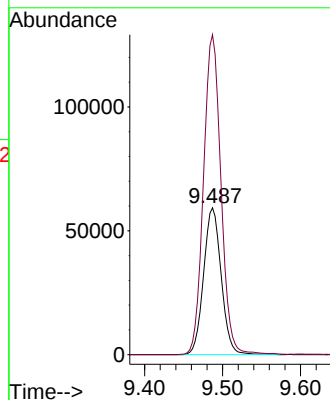
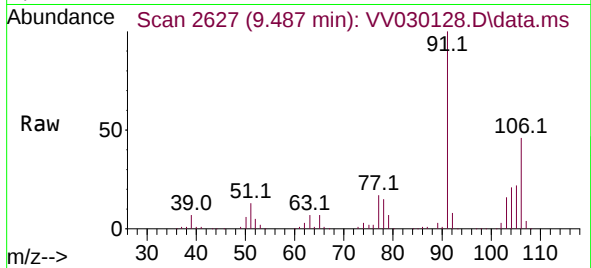




#54
o-Xylene
Concen: 5.234 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

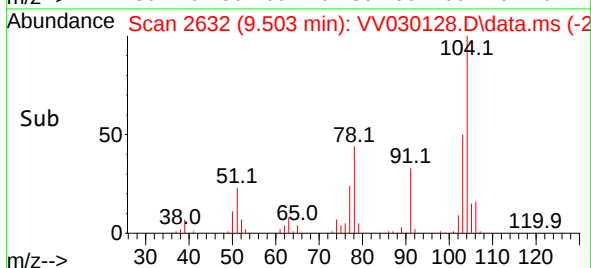
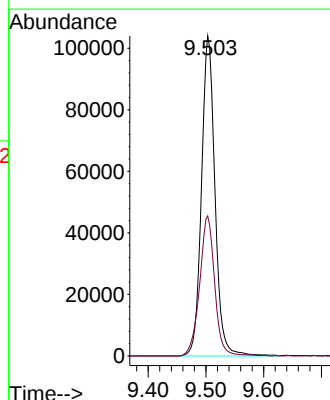
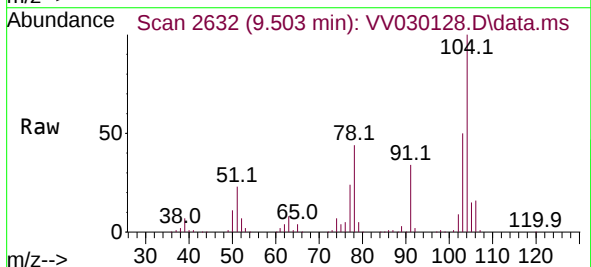
Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

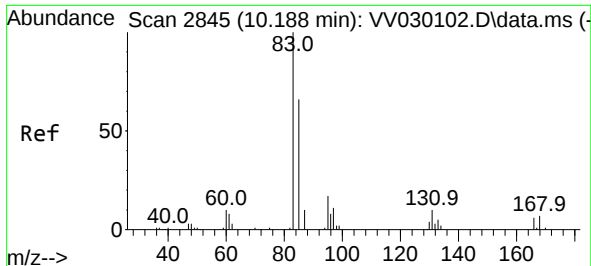
Tgt Ion:106 Resp: 93080
Ion Ratio Lower Upper
106 100
91 217.9 148.8 276.4



#55
Styrene
Concen: 5.709 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion:104 Resp: 168833
Ion Ratio Lower Upper
104 100
78 43.7 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 5.859 ug/L

RT: 10.185 min Scan# 2845

Delta R.T. -0.003 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005292

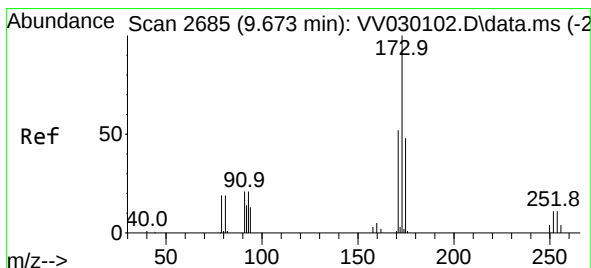
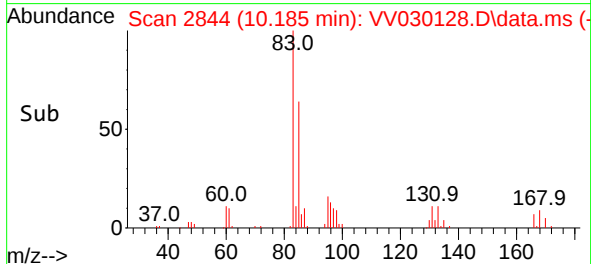
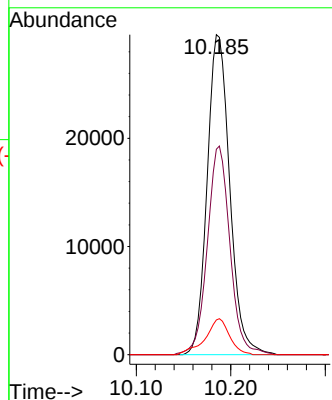
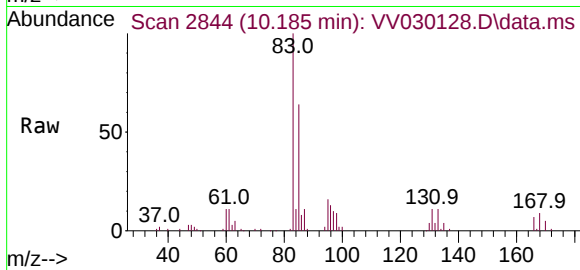
Tgt Ion: 83 Resp: 49026

Ion Ratio Lower Upper

83 100

85 64.2 45.0 83.6

131 10.8 8.2 12.4



#59

Bromoform

Concen: 5.626 ug/L

RT: 9.674 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

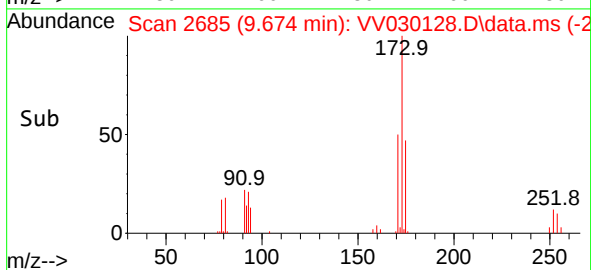
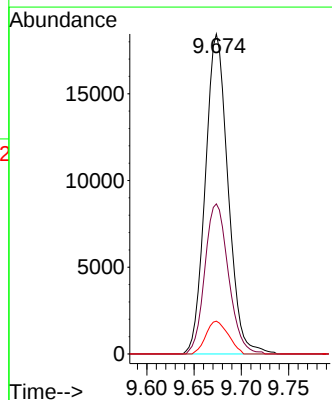
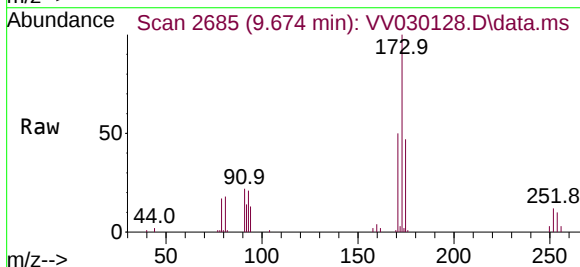
Tgt Ion: 173 Resp: 30843

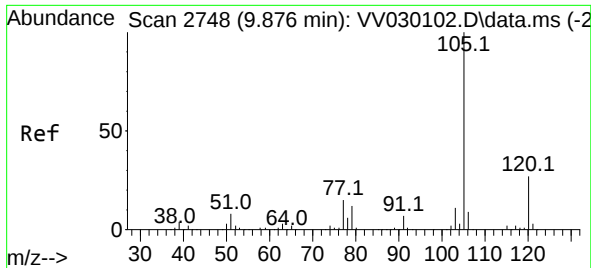
Ion Ratio Lower Upper

173 100

175 48.9 38.5 57.7

254 10.1 8.6 13.0

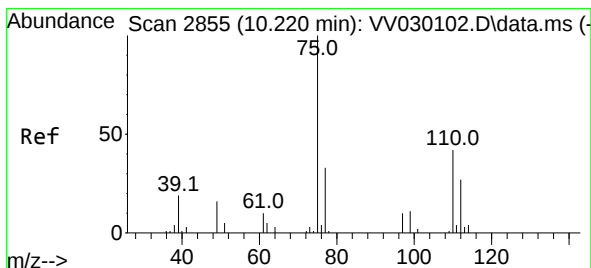
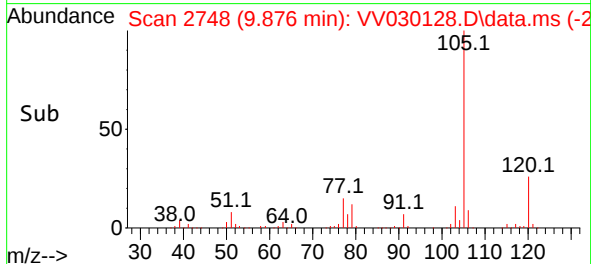
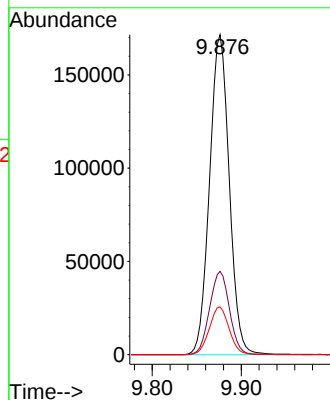
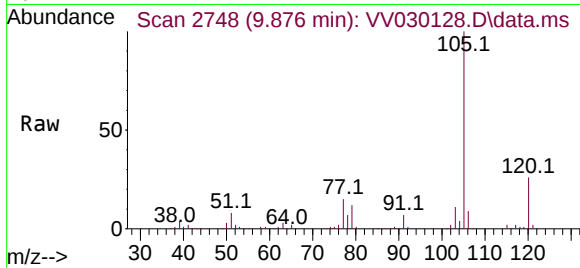




#60
Isopropylbenzene
Concen: 4.993 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

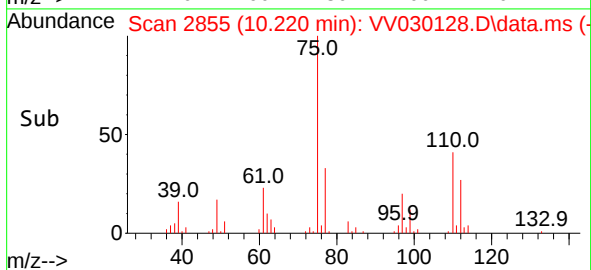
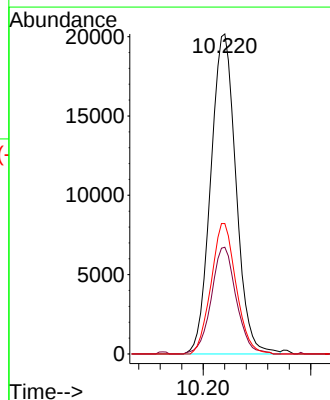
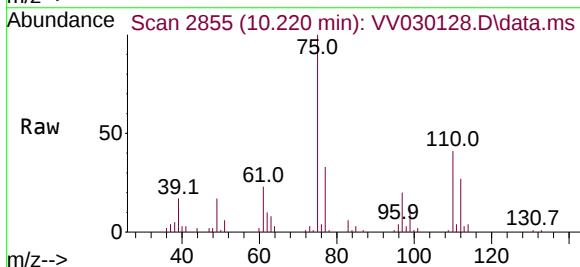
Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

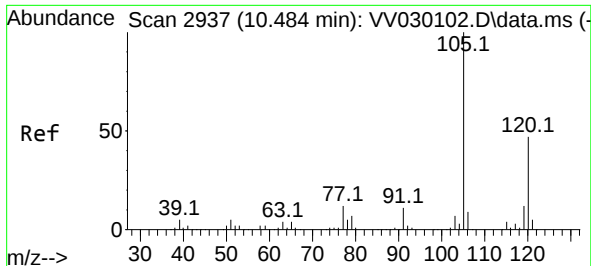
Tgt Ion:105 Resp: 262781
Ion Ratio Lower Upper
105 100
120 26.3 21.4 32.0
77 15.1 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.362 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion: 75 Resp: 32823
Ion Ratio Lower Upper
75 100
77 32.9 26.5 39.7
110 40.5 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.792 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

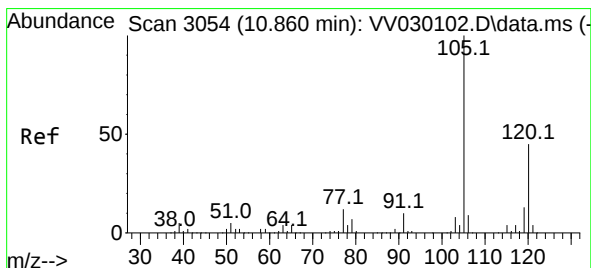
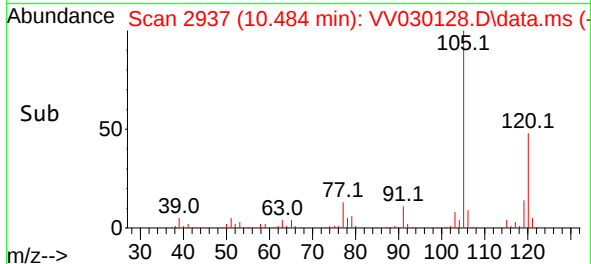
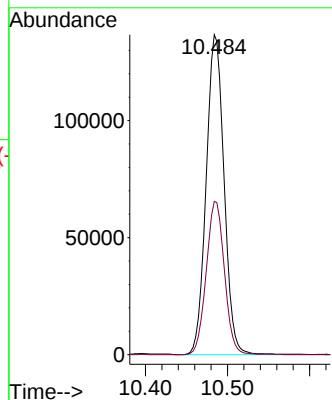
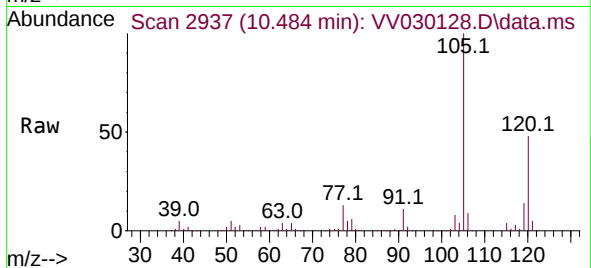
VSTD005292

Tgt Ion:105 Resp: 207134

Ion Ratio Lower Upper

105 100

120 48.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.916 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030128.D

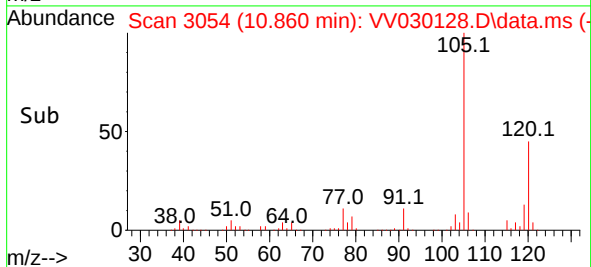
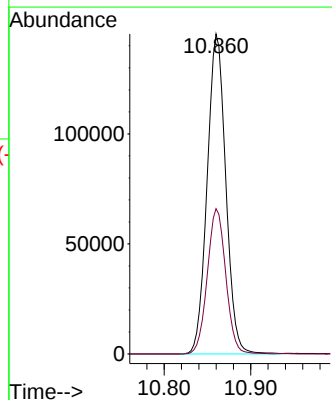
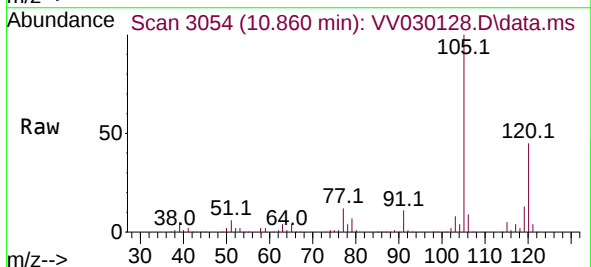
Acq: 03 Mar 2023 09:16

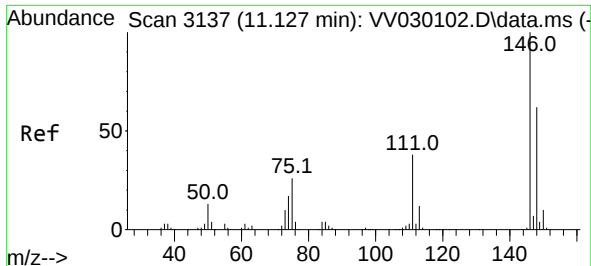
Tgt Ion:105 Resp: 217376

Ion Ratio Lower Upper

105 100

120 45.1 36.2 54.4

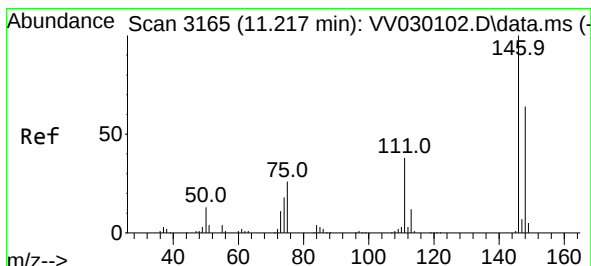
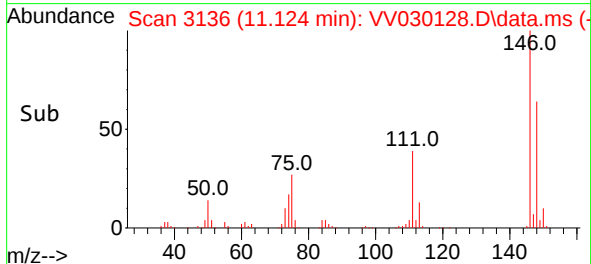
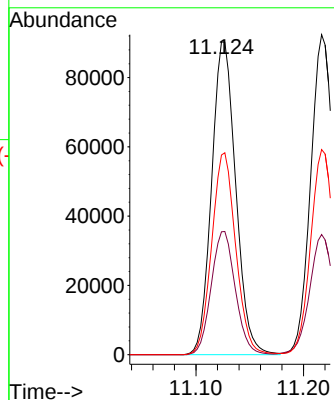
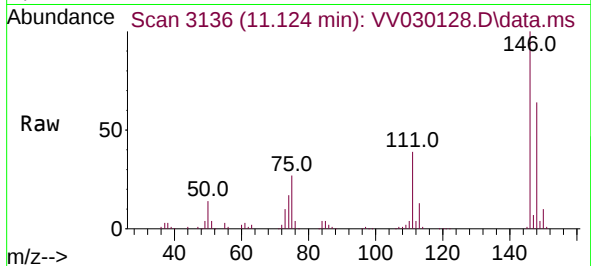




#64
1,3-Dichlorobenzene
Concen: 5.140 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.003 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

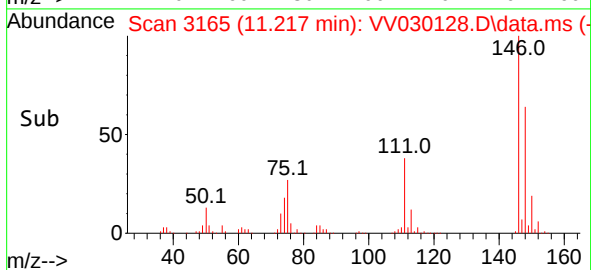
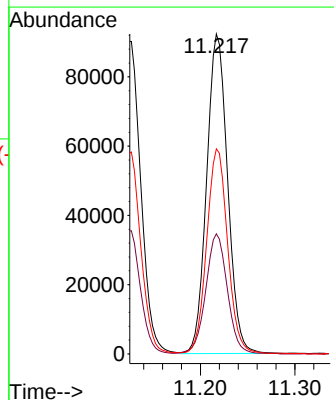
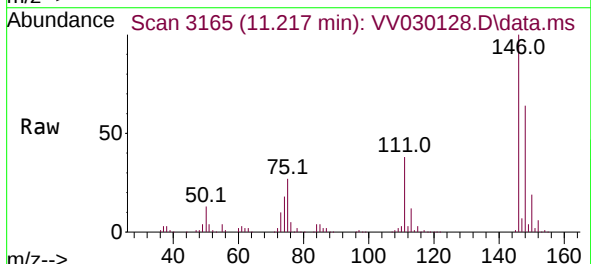
Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

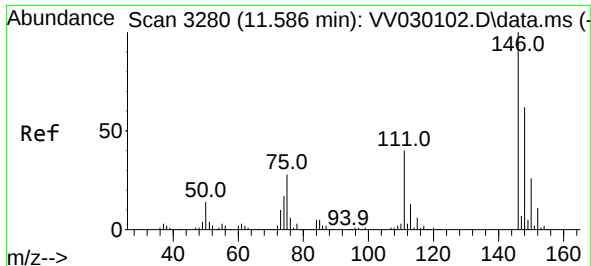
Tgt Ion:146 Resp: 140830
Ion Ratio Lower Upper
146 100
111 39.3 27.7 51.5
148 63.9 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.141 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion:146 Resp: 142136
Ion Ratio Lower Upper
146 100
111 37.6 27.4 51.0
148 64.1 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.176 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005292

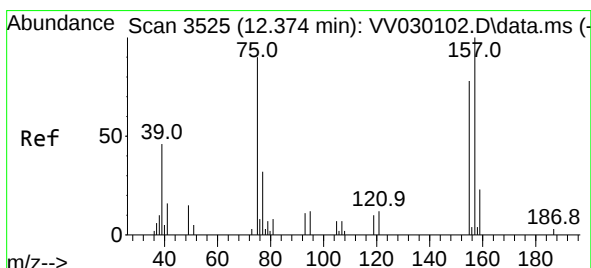
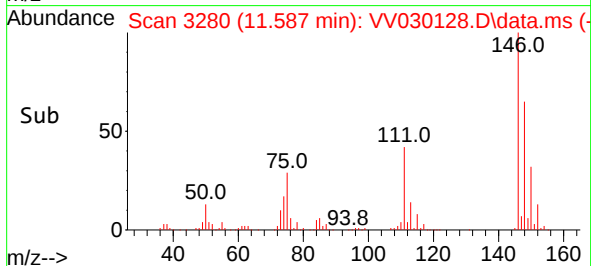
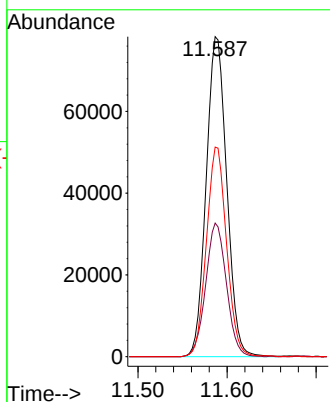
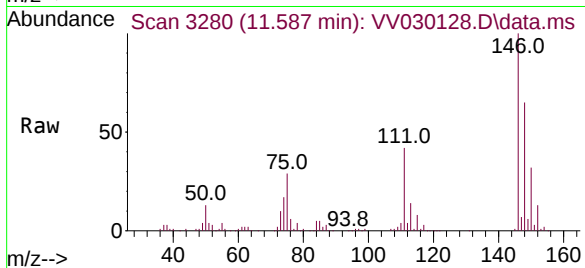
Tgt Ion:146 Resp: 125222

Ion Ratio Lower Upper

146 100

111 41.7 33.5 50.3

148 65.5 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.042 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

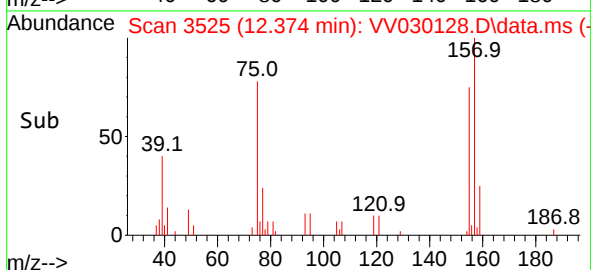
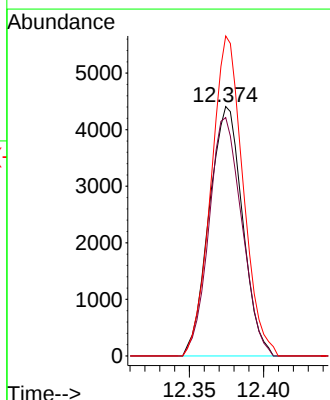
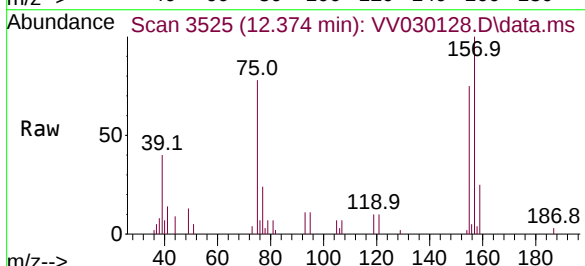
Tgt Ion: 75 Resp: 6893

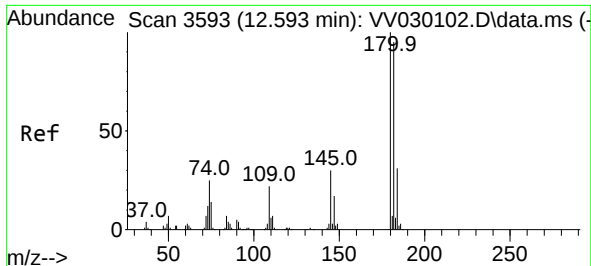
Ion Ratio Lower Upper

75 100

155 95.6 79.1 118.7

157 128.2 95.5 143.3





#69

1,3,5-Trichlorobenzene

Concen: 4.898 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD005292

Tgt Ion:180 Resp: 110339

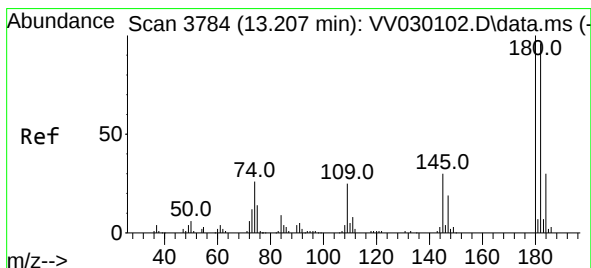
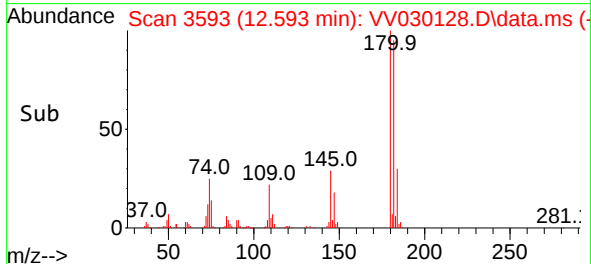
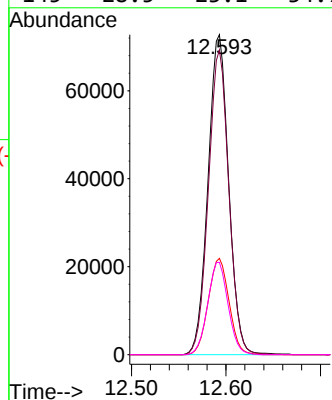
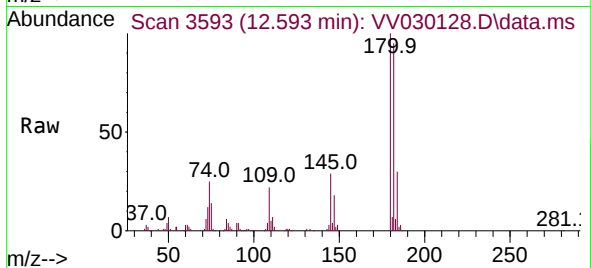
Ion Ratio Lower Upper

180 100

182 94.1 76.5 114.7

184 30.3 24.3 36.5

145 28.5 23.1 34.7



#70

1,2,4-trichlorobenzene

Concen: 4.610 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030128.D

Acq: 03 Mar 2023 09:16

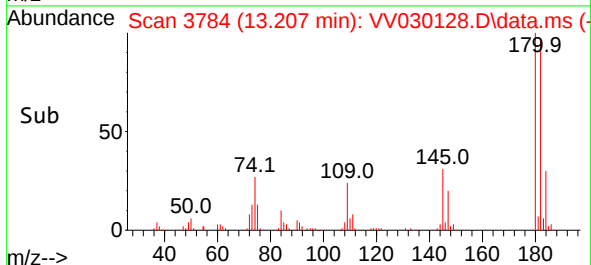
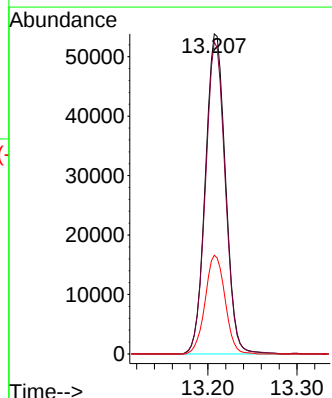
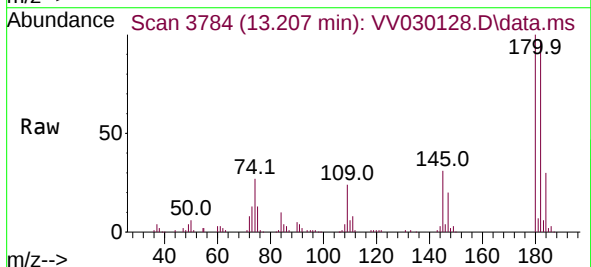
Tgt Ion:180 Resp: 84123

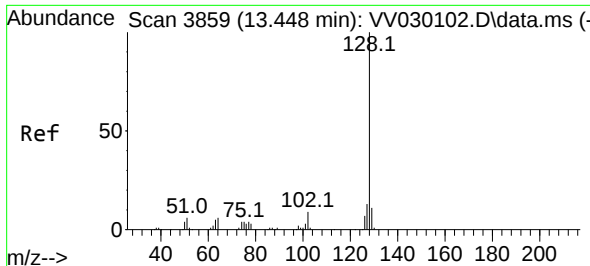
Ion Ratio Lower Upper

180 100

182 96.2 77.3 115.9

145 30.5 23.1 34.7

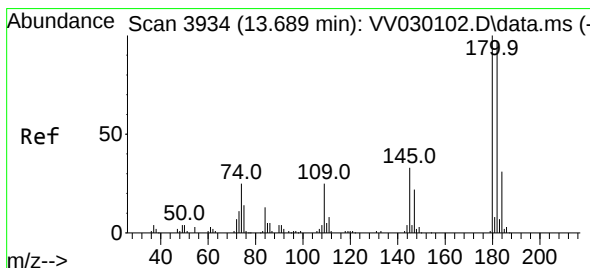
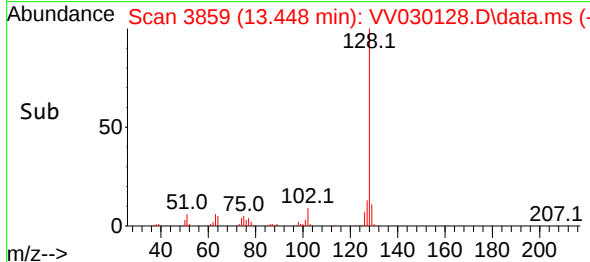
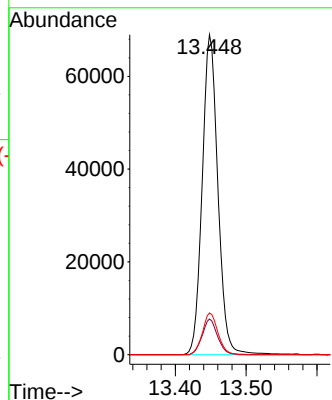
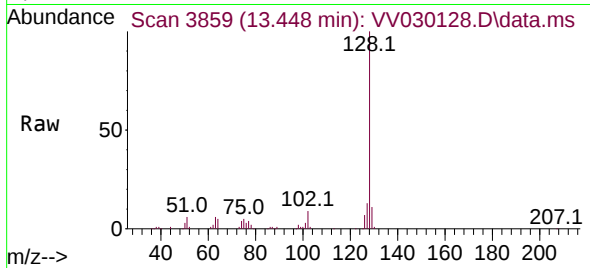




#71
Naphthalene
Concen: 4.437 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD005292

Tgt Ion:128 Resp: 105815
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 12.9 10.4 15.6



#72
1,2,3-Trichlorobenzene
Concen: 4.778 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030128.D
Acq: 03 Mar 2023 09:16

Tgt Ion:180 Resp: 71770
Ion Ratio Lower Upper
180 100
182 95.8 76.2 114.2
145 31.8 25.1 37.7

