

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031423\
 Data File : VW030202.D
 Acq On : 14 Mar 2023 17:57
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

Quant Time: Mar 15 01:41:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 15 01:37:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	155127	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	154651	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	95810	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	52565	5.237	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.800%
7) Chloroethane-d5	1.539	69	45400	4.818	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.066	63	99260	4.810	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.200%
20) 2-Butanone-d5	3.818	46	82994	44.847	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.700%
24) Chloroform-d	4.262	84	99597	4.857	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	4.953	65	41493	4.957	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
32) Benzene-d6	4.973	84	188805	4.537	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.800%
36) 1,2-Dichloropropane-d6	5.998	67	56257	4.494	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.800%
41) Toluene-d8	7.252	98	184705	4.683	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	7.561	79	19723	4.605	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.034	63	76189	42.997	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.000%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	43350	4.867	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.400%
66) 1,2-Dichlorobenzene-d4	11.571	152	69515	4.288	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	52129	4.130	ug/L	98
3) Chloromethane	1.217	50	70500	3.545	ug/L	99
5) Vinyl chloride	1.288	62	54512	4.124	ug/L	98
6) Bromomethane	1.494	94	13888	5.853	ug/L	98
8) Chloroethane	1.555	64	34875	4.331	ug/L	100
9) Trichlorofluoromethane	1.719	101	86273	4.549	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	52873	4.496	ug/L	99
12) 1,1-Dichloroethene	2.076	96	45586	4.379	ug/L	91
13) Acetone	2.146	43	56155	41.055	ug/L #	46
14) Carbon disulfide	2.249	76	101800	3.655	ug/L	98
15) Methyl Acetate	2.394	43	14743	4.615	ug/L	98
16) Methylene chloride	2.455	84	51876	4.079	ug/L	98
17) Methyl tert-butyl Ether	2.712	73	84931	4.172	ug/L	98
18) trans-1,2-Dichloroethene	2.703	96	42205	4.262	ug/L	96
19) 1,1-Dichloroethane	3.121	63	83148	4.507	ug/L	99
21) 2-Butanone	3.902	43	78908	42.896	ug/L	97
22) cis-1,2-Dichloroethene	3.825	96	47322	4.323	ug/L	95
23) Bromochloromethane	4.159	128	22584	4.828	ug/L	98
25) Chloroform	4.288	83	90683	4.725	ug/L	99

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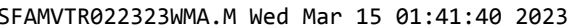
Instrument :
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 ClientSampleId :
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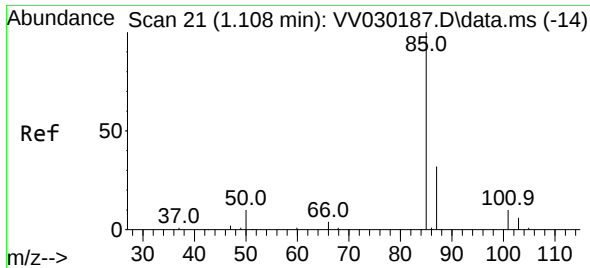
Quant Time: Mar 15 01:41:30 2023
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 Quant Title : TRACE VOA SFAM1.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	46484	4.631	ug/L	97
29) 1,1,1-Trichloroethane	4.526	97	80682	4.441	ug/L	98
30) Cyclohexane	4.593	56	53204	3.389	ug/L	98
31) Carbon tetrachloride	4.744	117	71476	4.377	ug/L	100
33) Benzene	5.021	78	178380	4.223	ug/L	100
34) Trichloroethene	5.844	95	47589	4.021	ug/L	97
35) Methylcyclohexane	6.059	83	62001	3.462	ug/L	97
37) 1,2-Dichloropropane	6.105	63	48226	4.488	ug/L	100
38) Bromodichloromethane	6.442	83	63101	4.600	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	62314	3.961	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	201246	45.387	ug/L	99
42) Toluene	7.323	91	197784	4.324	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	52713	4.293	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	34161	4.443	ug/L	97
47) Tetrachloroethene	7.915	164	41703	4.105	ug/L	99
48) 2-Hexanone	8.085	43	143659	45.258	ug/L	99
49) Dibromochloromethane	8.185	129	42117	4.681	ug/L	99
50) 1,2-Dibromoethane	8.291	107	32210	4.490	ug/L	94
51) Chlorobenzene	8.821	112	131507	4.263	ug/L	99
52) Ethylbenzene	8.956	91	202475	4.067	ug/L	99
53) m,p-Xylene	9.082	106	80381	4.201	ug/L	99
54) o-Xylene	9.487	106	76220	4.170	ug/L	99
55) Styrene	9.506	104	135982	4.474	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.188	83	41302	4.802	ug/L	96
59) Bromoform	9.674	173	24773	4.314	ug/L	98
60) Isopropylbenzene	9.876	105	211631	3.839	ug/L	99
61) 1,2,3-Trichloropropane	10.220	75	27424	4.277	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	165118	3.646	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	172089	3.715	ug/L	98
64) 1,3-Dichlorobenzene	11.127	146	116963	4.075	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	118605	4.095	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	107843	4.255	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	6014	4.199	ug/L	96
69) 1,3,5-Trichlorobenzene	12.593	180	86954	3.685	ug/L	100
70) 1,2,4-trichlorobenzene	13.210	180	68014	3.558	ug/L	99
71) Naphthalene	13.448	128	87248	3.493	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	58614	3.725	ug/L	99

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

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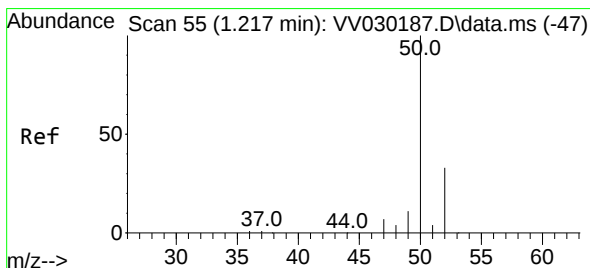
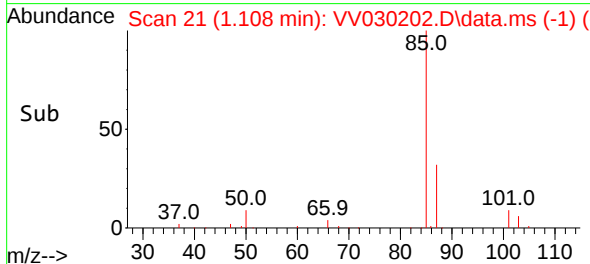
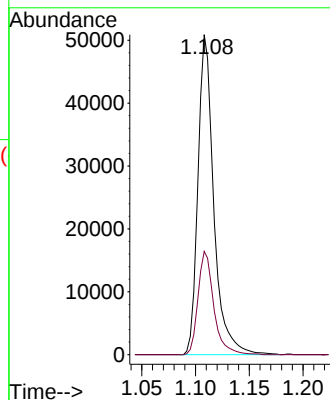
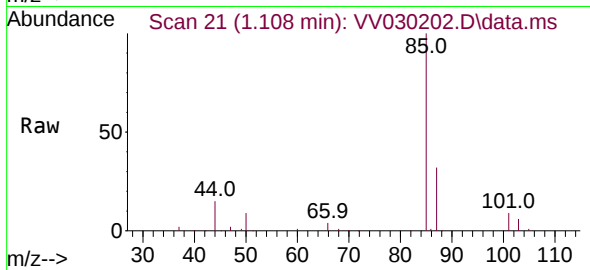




#2
 Dichlorodifluoromethane
 Concen: 4.130 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

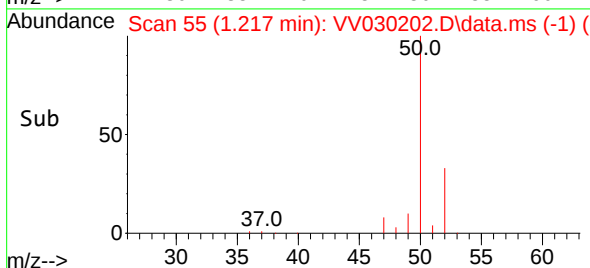
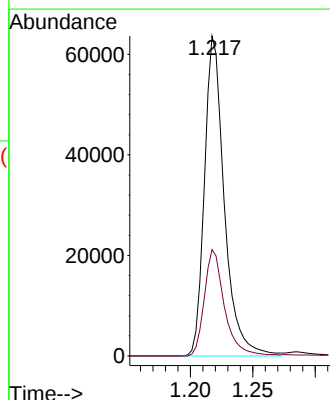
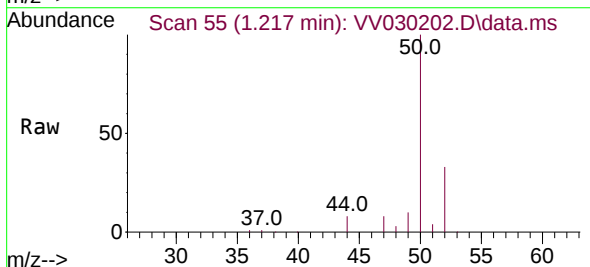
Instrument :
 MSVOA_V
 ClientSampleId :
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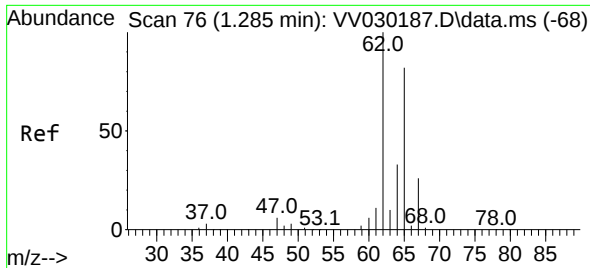
Tgt Ion: 85 Resp: 52129
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.6 39.8



#3
 Chloromethane
 Concen: 3.545 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

Tgt Ion: 50 Resp: 70500
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.6 43.8

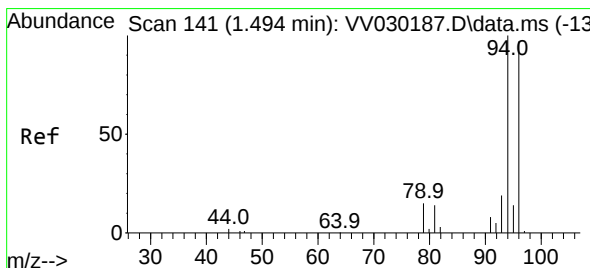
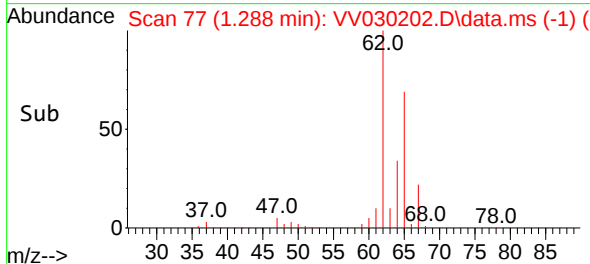
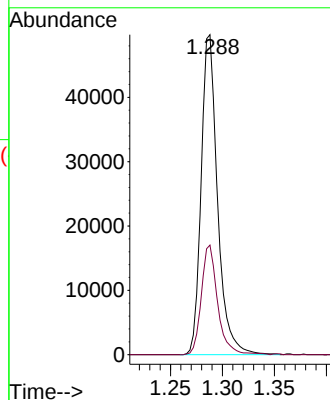
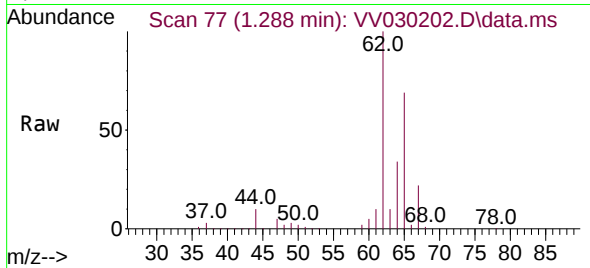




#5
 Vinyl chloride
 Concen: 4.124 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

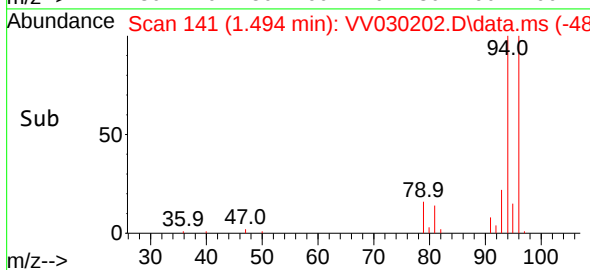
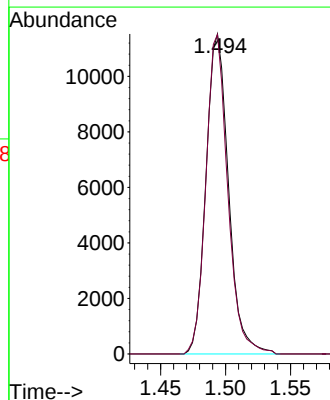
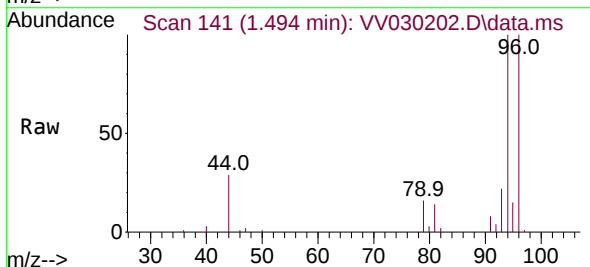
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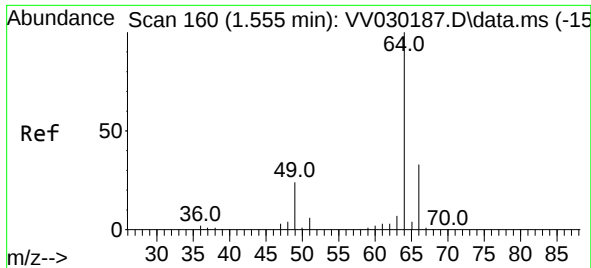
Tgt Ion: 62 Resp: 54512
 Ion Ratio Lower Upper
 62 100
 64 34.2 23.1 42.9



#6
 Bromomethane
 Concen: 5.853 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.000 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

Tgt Ion: 94 Resp: 13888
 Ion Ratio Lower Upper
 94 100
 96 99.9 68.4 127.0

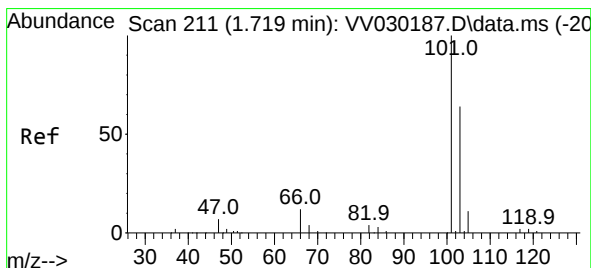
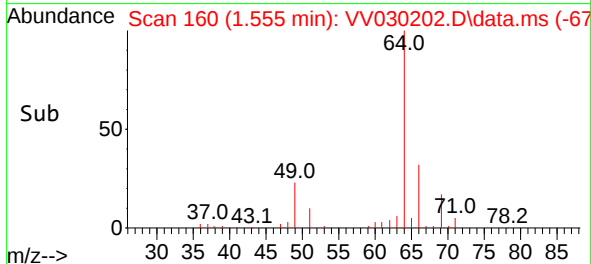
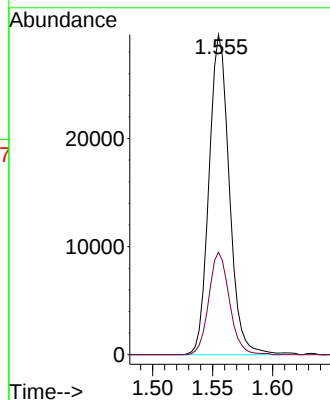
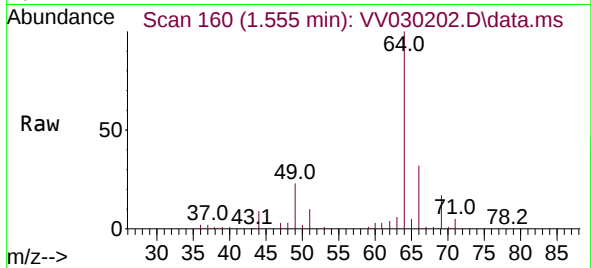




#8
Chloroethane
Concen: 4.331 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

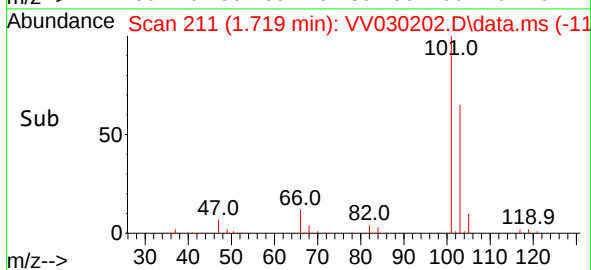
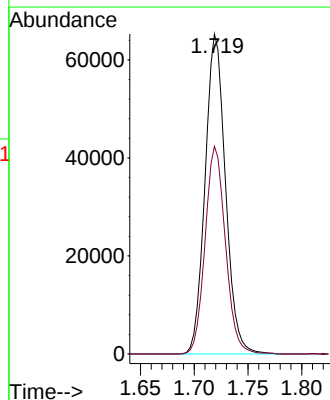
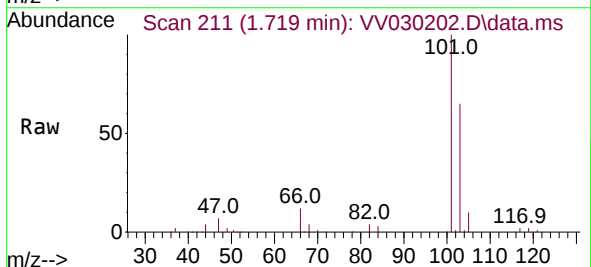
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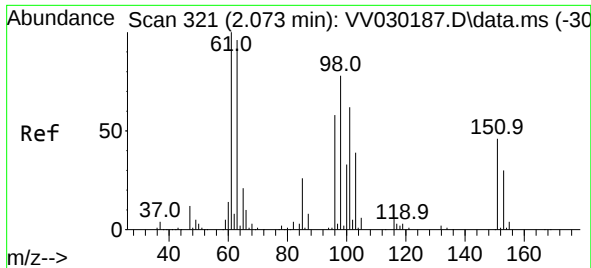
Tgt Ion: 64 Resp: 34875
Ion Ratio Lower Upper
64 100
66 32.0 22.4 41.6



#9
Trichlorofluoromethane
Concen: 4.549 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion:101 Resp: 86273
Ion Ratio Lower Upper
101 100
103 64.8 52.7 79.1

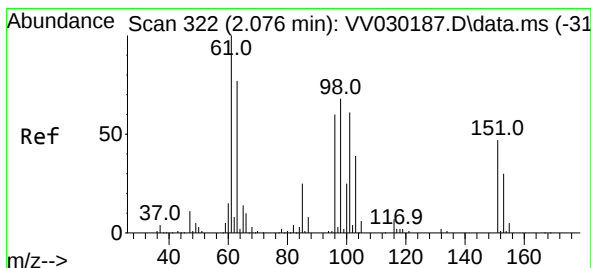
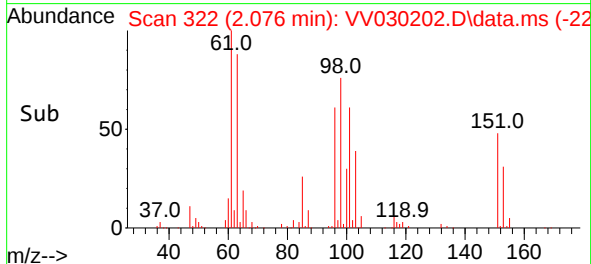
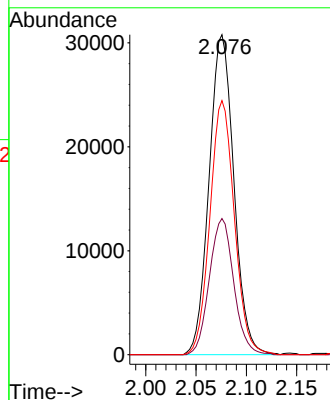
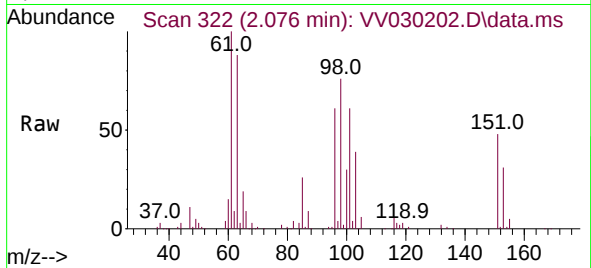




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.496 ug/L
RT: 2.076 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

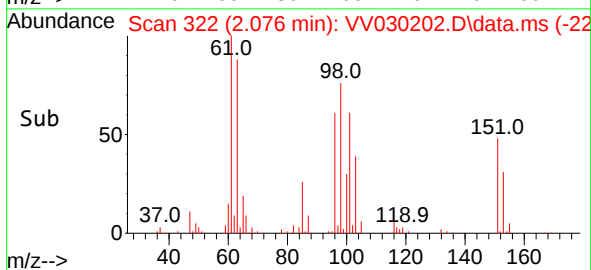
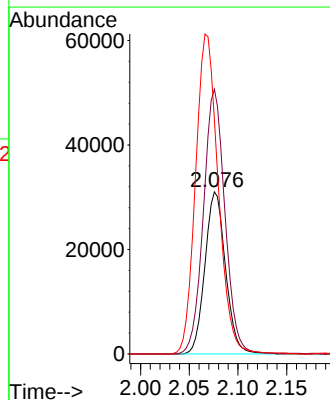
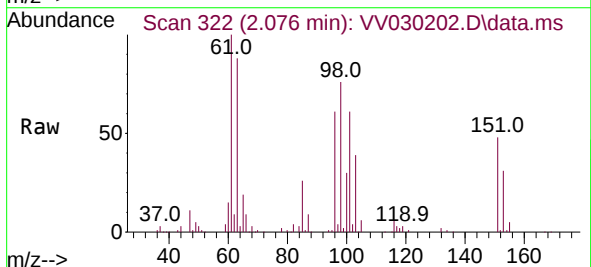
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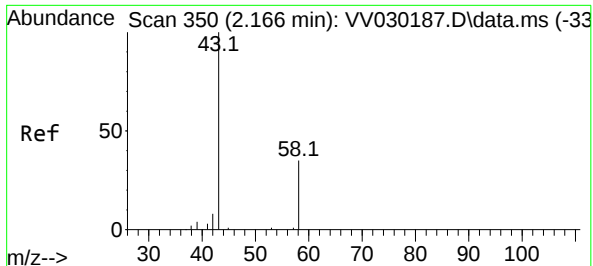
Tgt Ion:101 Resp: 52873
Ion Ratio Lower Upper
101 100
85 41.8 33.5 50.3
151 78.3 61.6 92.4



#12
1,1-Dichloroethene
Concen: 4.379 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 96 Resp: 45586
Ion Ratio Lower Upper
96 100
61 163.2 115.6 214.6
63 144.1 85.6 159.0





#13

Acetone

Concen: 41.055 ug/L

RT: 2.146 min Scan# 344

Delta R.T. -0.019 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

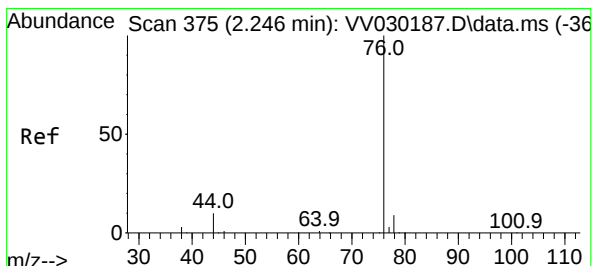
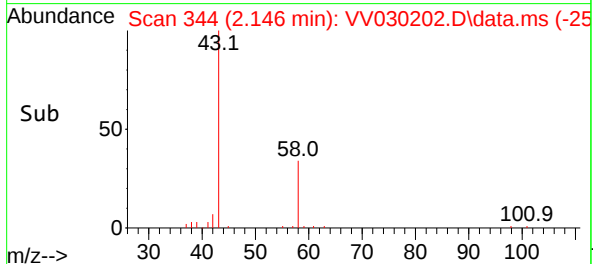
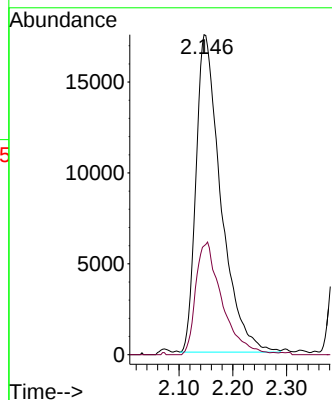
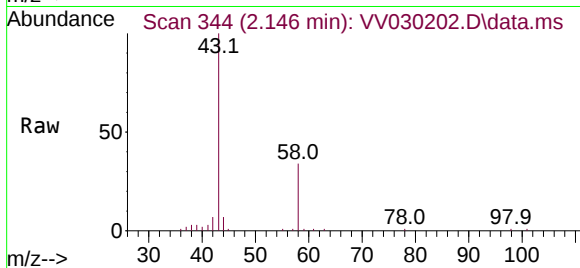
VSTD005301

Tgt Ion: 43 Resp: 56155

Ion Ratio Lower Upper

43 100

58 37.2 0.0 29.4#



#14

Carbon disulfide

Concen: 3.655 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030202.D

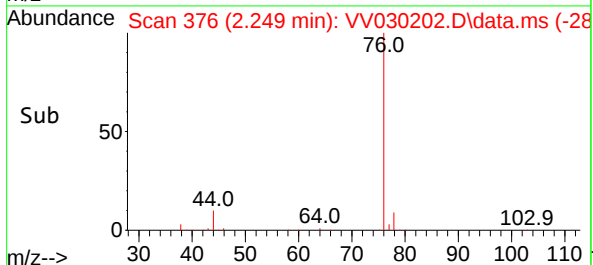
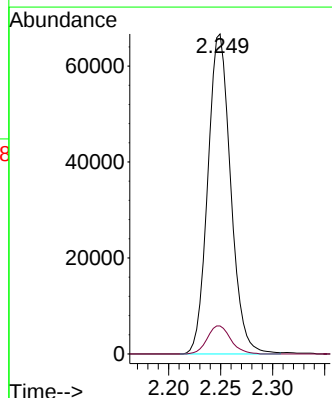
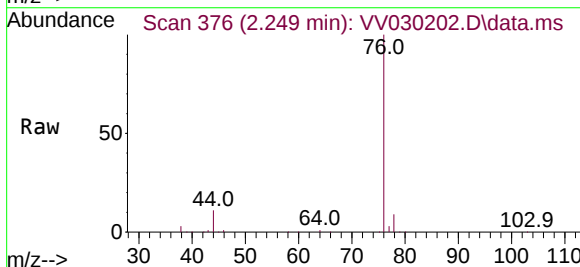
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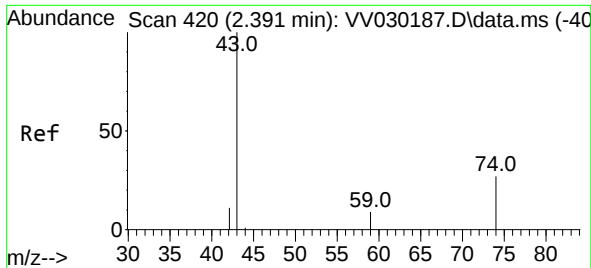
Tgt Ion: 76 Resp: 101800

Ion Ratio Lower Upper

76 100

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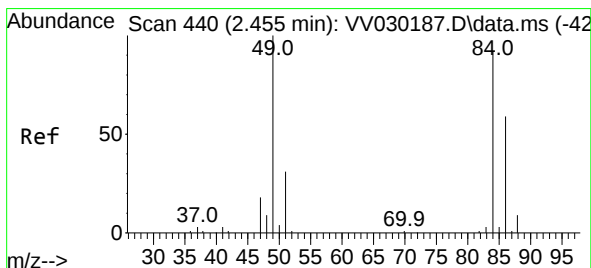
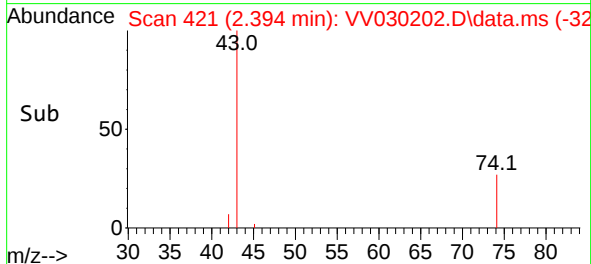
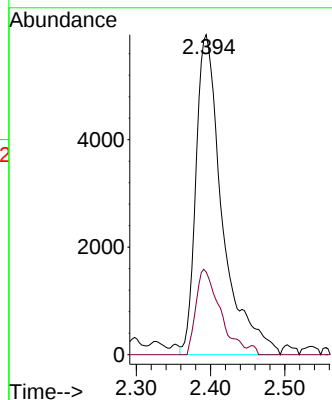
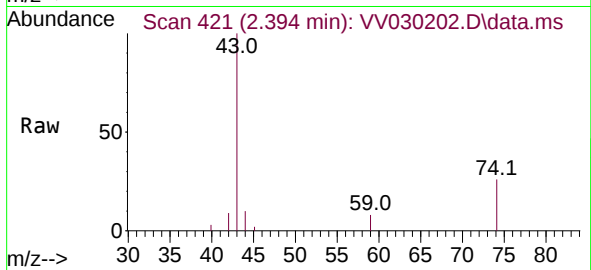




#15
Methyl Acetate
Concen: 4.615 ug/L
RT: 2.394 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

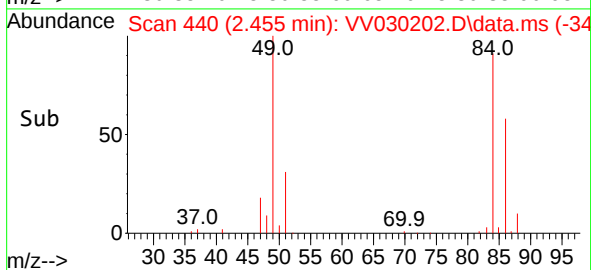
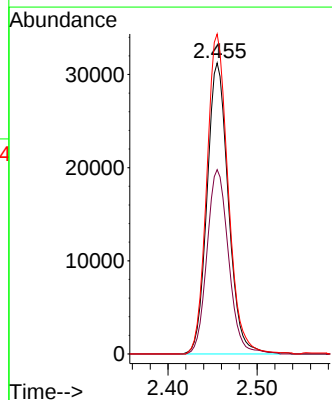
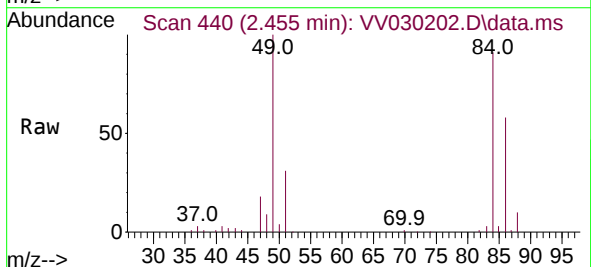
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

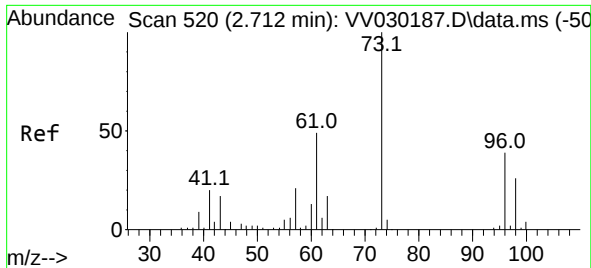
Tgt Ion: 43 Resp: 14743
Ion Ratio Lower Upper
43 100
74 24.2 20.1 30.1



#16
Methylene chloride
Concen: 4.079 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 84 Resp: 51876
Ion Ratio Lower Upper
84 100
86 63.3 44.7 83.1
49 109.9 78.8 146.3

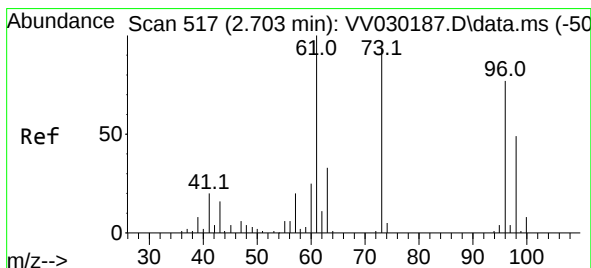
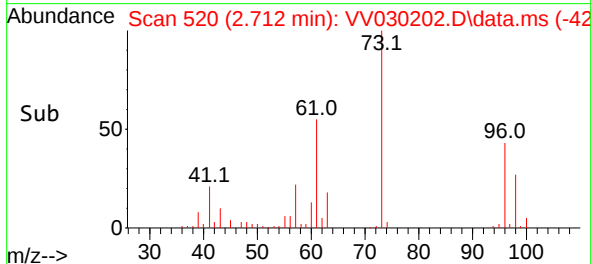
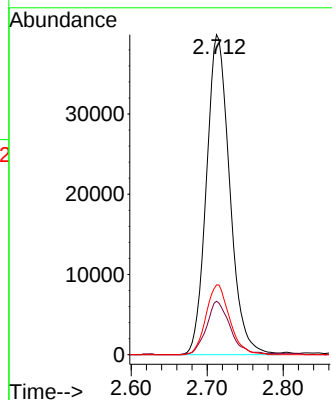
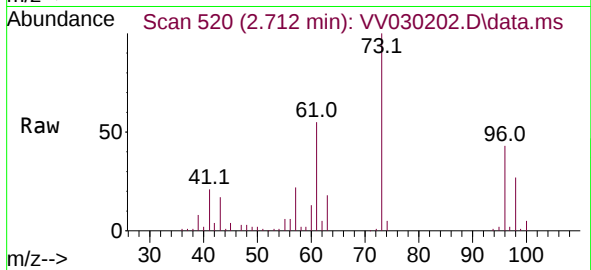




#17
Methyl tert-butyl Ether
Concen: 4.172 ug/L
RT: 2.712 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

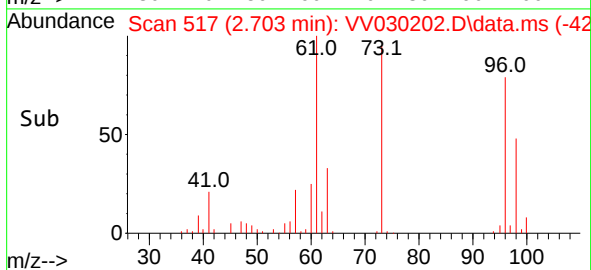
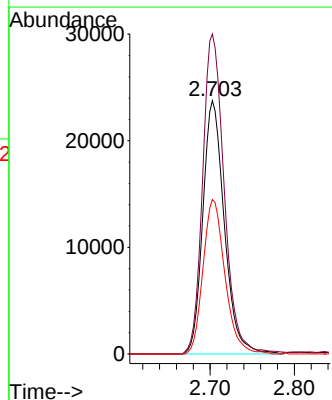
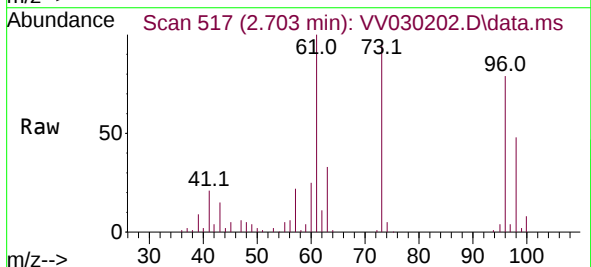
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

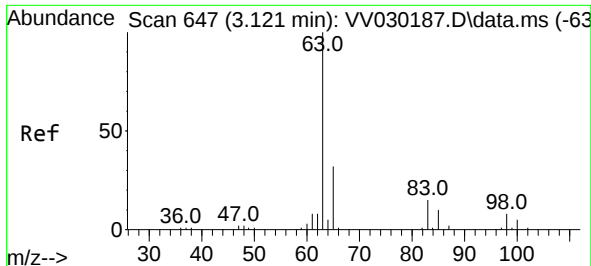
Tgt Ion: 73 Resp: 84931
Ion Ratio Lower Upper
73 100
43 17.1 13.4 20.2
57 22.1 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 4.262 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 96 Resp: 42205
Ion Ratio Lower Upper
96 100
61 126.3 91.0 169.0
98 61.0 45.2 84.0

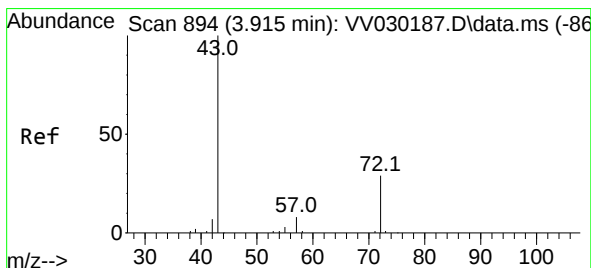
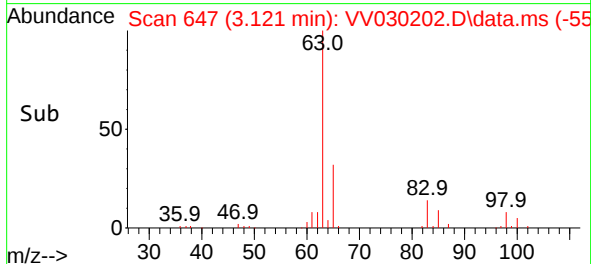
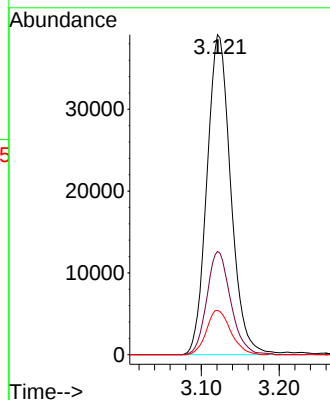
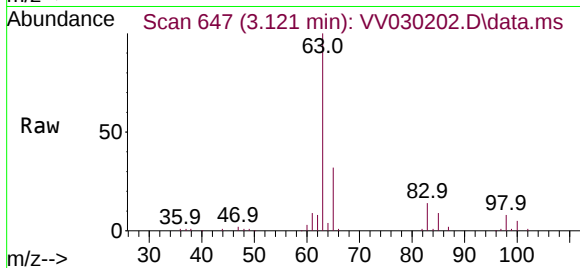




#19
1,1-Dichloroethane
Concen: 4.507 ug/L
RT: 3.121 min Scan# 64
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

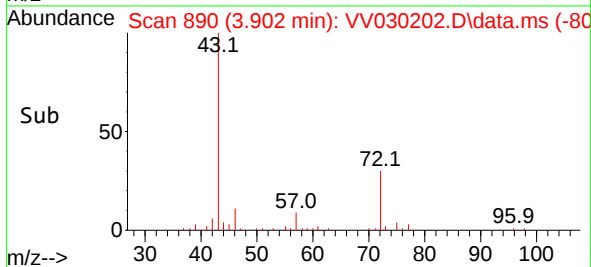
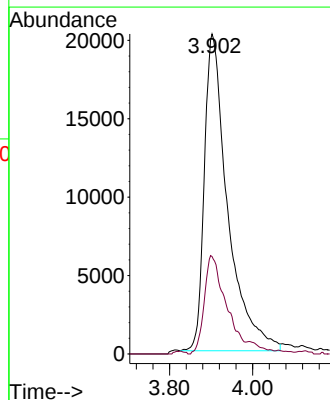
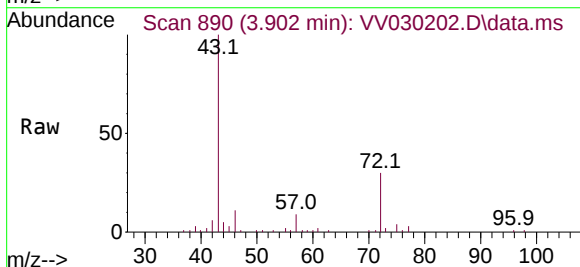
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

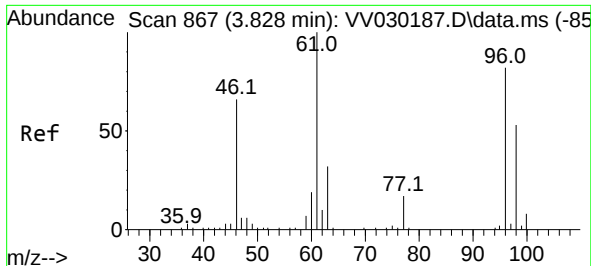
Tgt Ion:	63	Resp:	83148
Ion	Ratio	Lower	Upper
63	100		
65	32.2	23.0	42.8
83	13.9	9.6	17.8



#21
2-Butanone
Concen: 42.896 ug/L
RT: 3.902 min Scan# 890
Delta R.T. -0.013 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion:	43	Resp:	78908
Ion	Ratio	Lower	Upper
43	100		
72	28.6	15.1	45.3

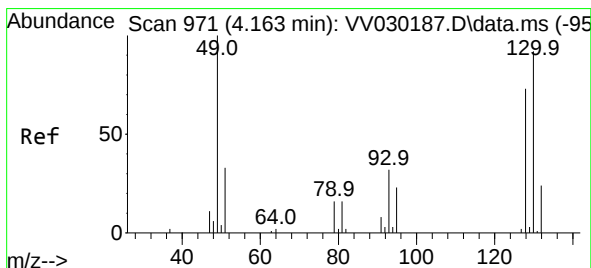
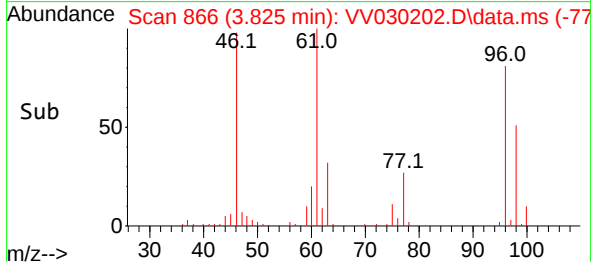
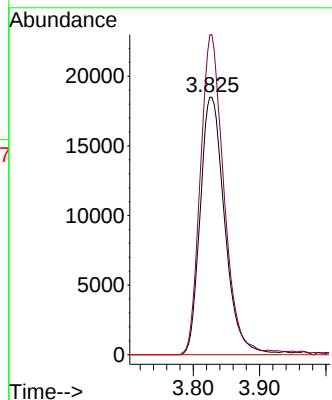
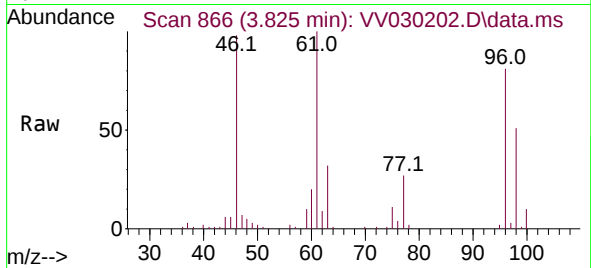




#22
 cis-1,2-Dichloroethene
 Concen: 4.323 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.003 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

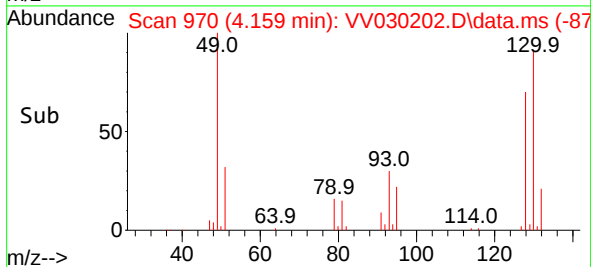
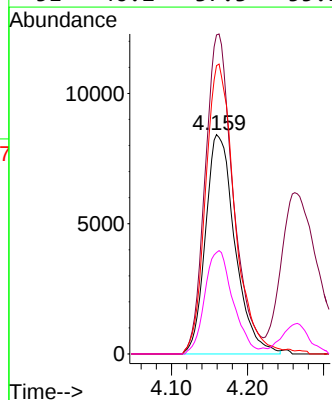
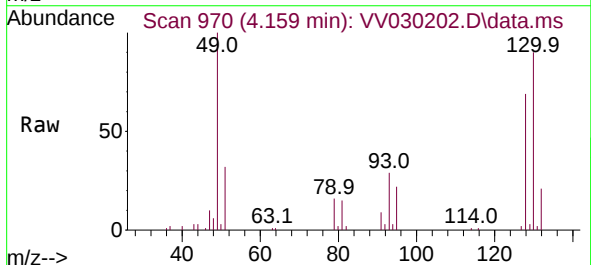
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

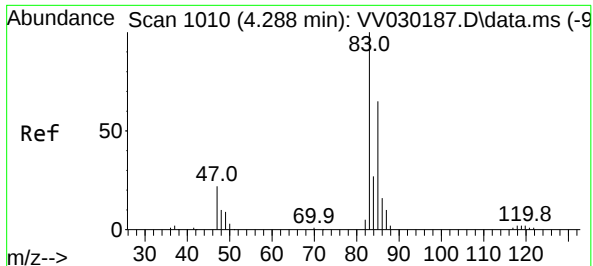
Tgt Ion: 96 Resp: 47322
 Ion Ratio Lower Upper
 96 100
 61 124.1 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.828 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.003 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

Tgt Ion: 128 Resp: 22584
 Ion Ratio Lower Upper
 128 100
 49 145.4 99.5 184.9
 130 131.5 90.5 168.1
 51 46.2 37.3 55.9





#25

Chloroform

Concen: 4.725 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

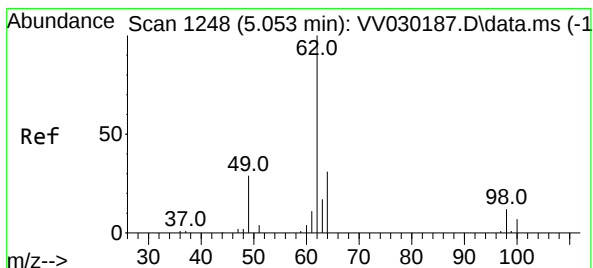
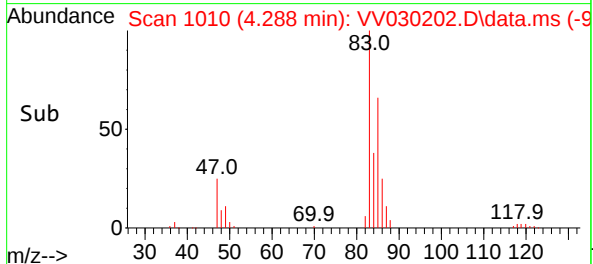
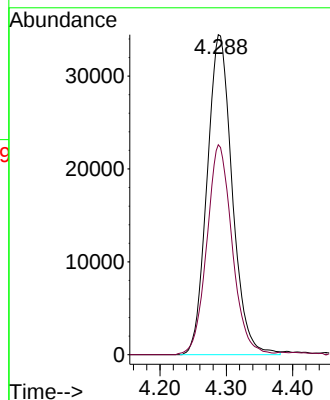
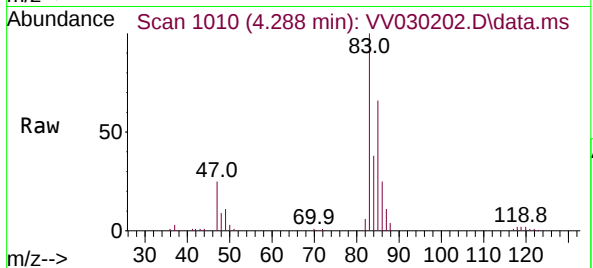
VSTD005301

Tgt Ion: 83 Resp: 90683

Ion Ratio Lower Upper

83 100

85 65.6 46.5 86.5



#27

1,2-Dichloroethane

Concen: 4.631 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. -0.000 min

Lab File: VV030202.D

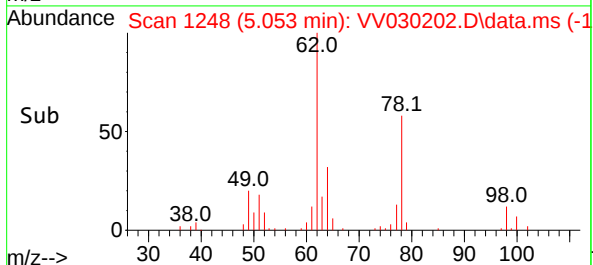
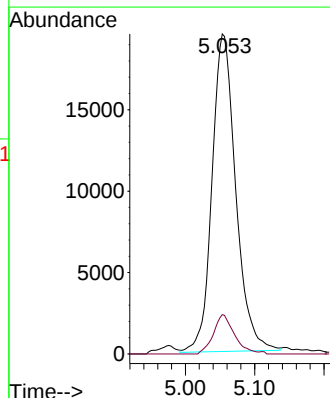
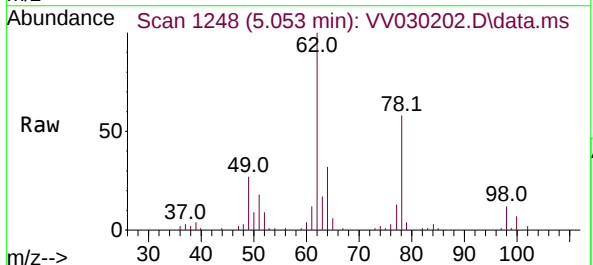
Acq: 14 Mar 2023 17:57

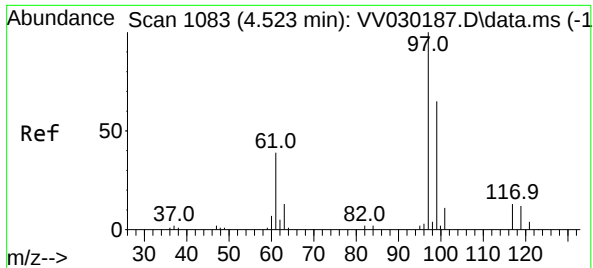
Tgt Ion: 62 Resp: 46484

Ion Ratio Lower Upper

62 100

98 12.3 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 4.441 ug/L

RT: 4.526 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

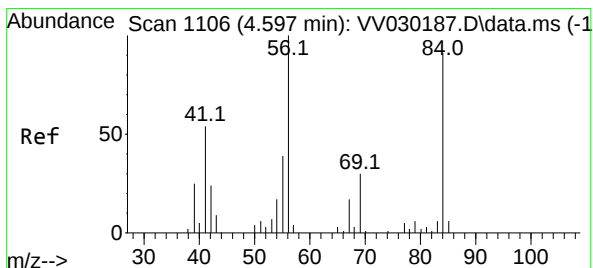
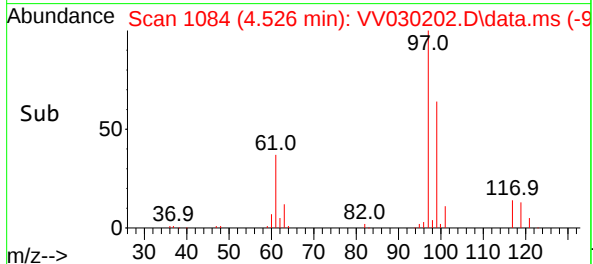
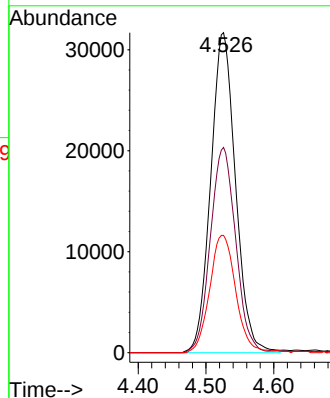
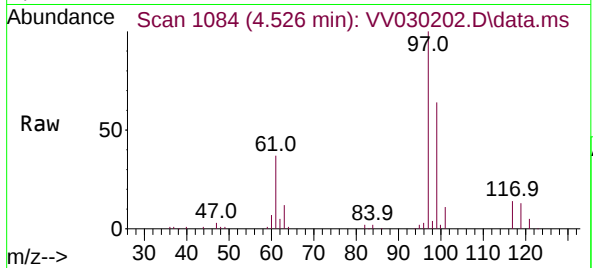
Tgt Ion: 97 Resp: 80682

Ion Ratio Lower Upper

97 100

99 65.8 51.3 76.9

61 38.2 31.5 47.3



#30

Cyclohexane

Concen: 3.389 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. -0.003 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

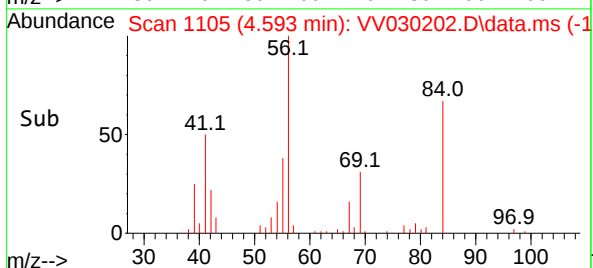
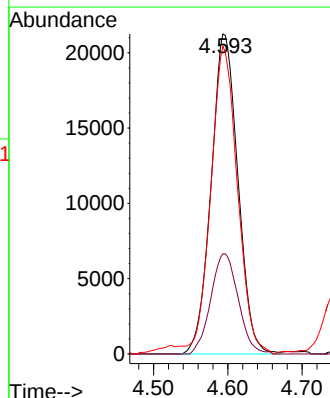
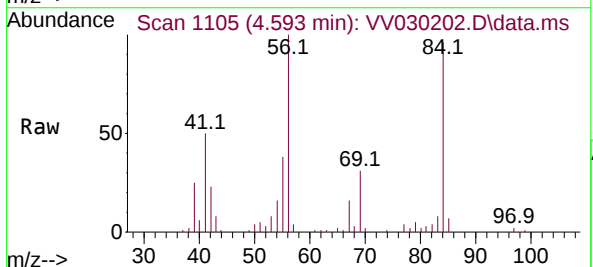
Tgt Ion: 56 Resp: 53204

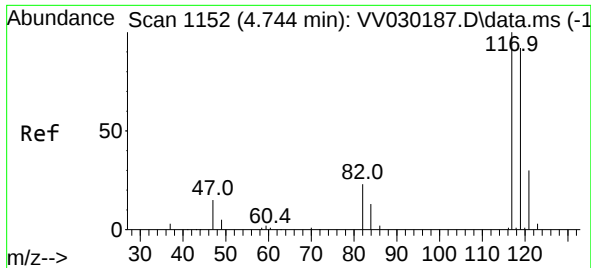
Ion Ratio Lower Upper

56 100

69 32.1 25.1 37.7

84 95.4 74.6 111.8

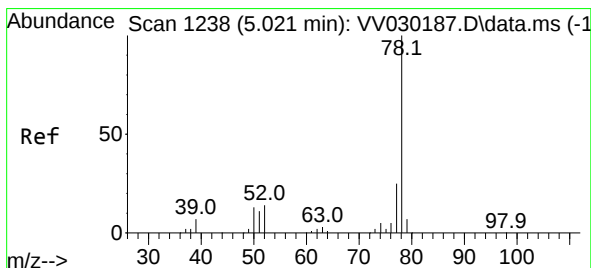
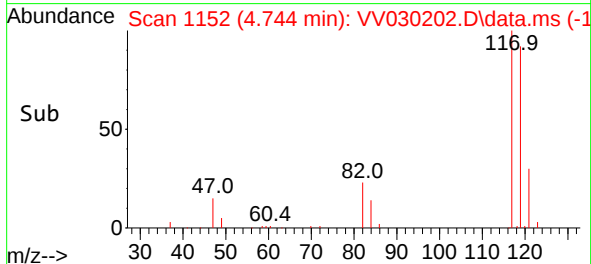
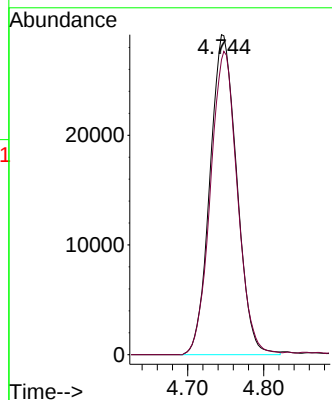
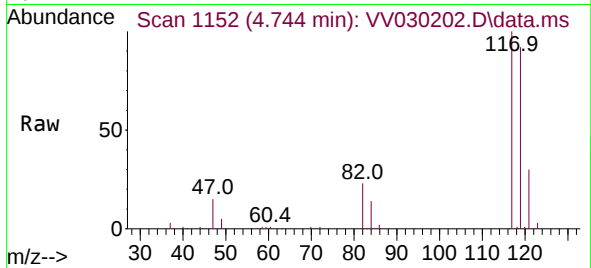




#31
Carbon tetrachloride
Concen: 4.377 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

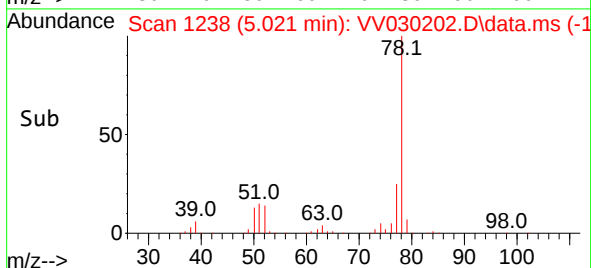
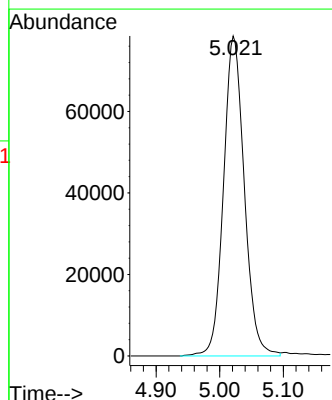
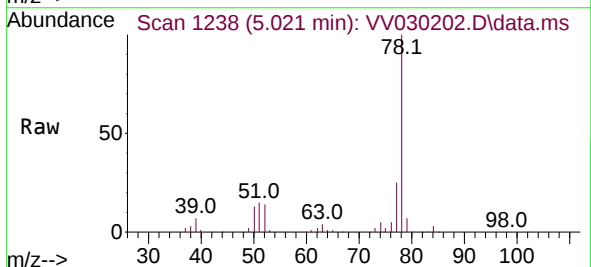
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

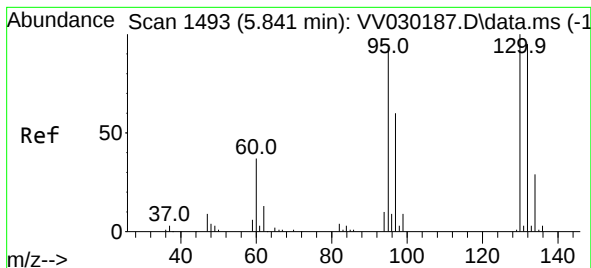
Tgt Ion:117 Resp: 71476
Ion Ratio Lower Upper
117 100
119 95.3 76.1 114.1



#33
Benzene
Concen: 4.223 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 78 Resp: 178380





#34

Trichloroethene

Concen: 4.021 ug/L

RT: 5.844 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

Tgt Ion: 95 Resp: 47589

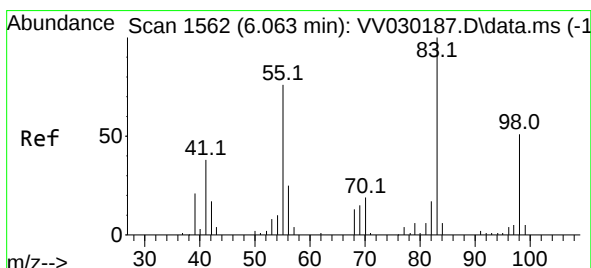
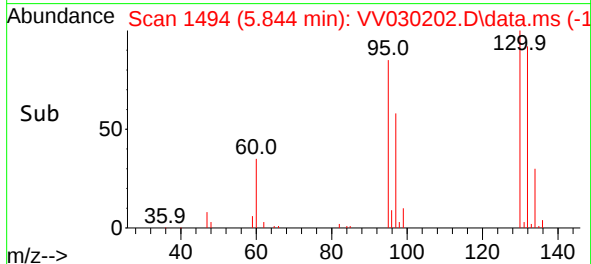
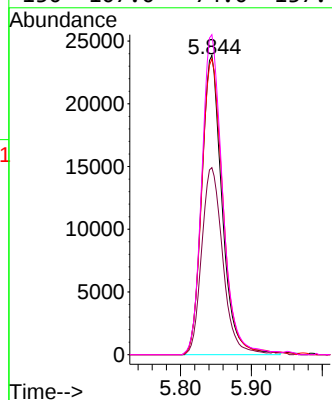
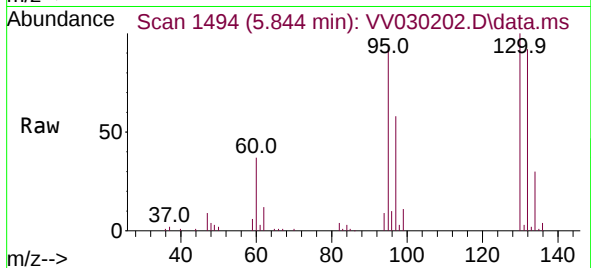
Ion Ratio Lower Upper

95 100

97 62.5 46.5 86.5

132 98.9 71.7 133.3

130 107.0 74.0 137.4



#35

Methylcyclohexane

Concen: 3.462 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.003 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

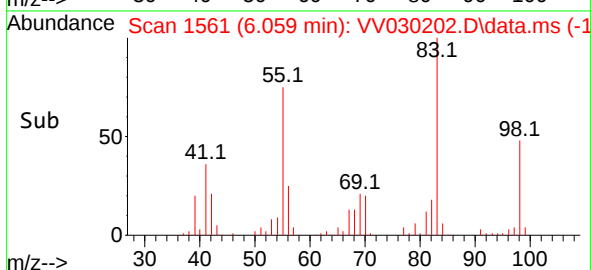
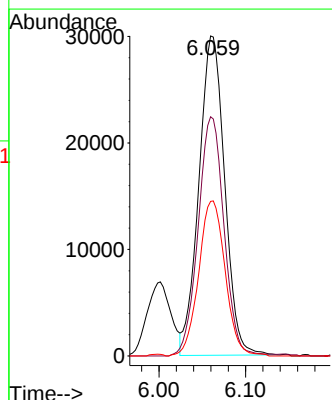
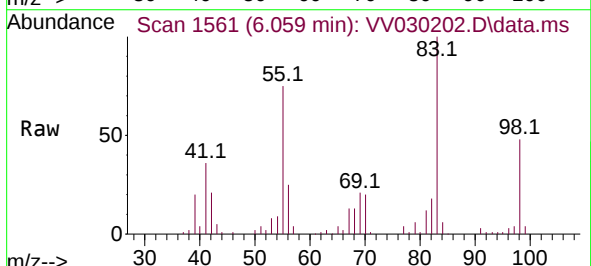
Tgt Ion: 83 Resp: 62001

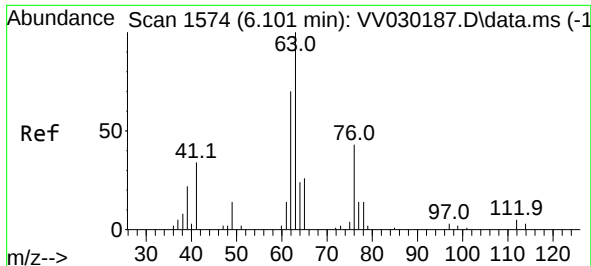
Ion Ratio Lower Upper

83 100

55 75.2 57.6 86.4

98 50.0 38.8 58.2





#37

1,2-Dichloropropane

Concen: 4.488 ug/L

RT: 6.105 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

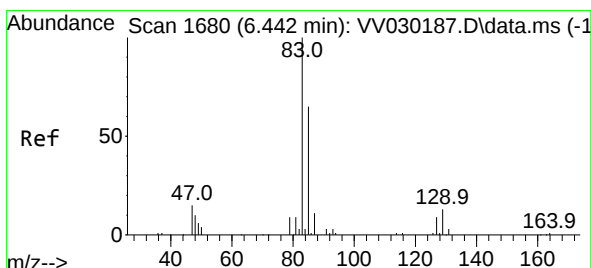
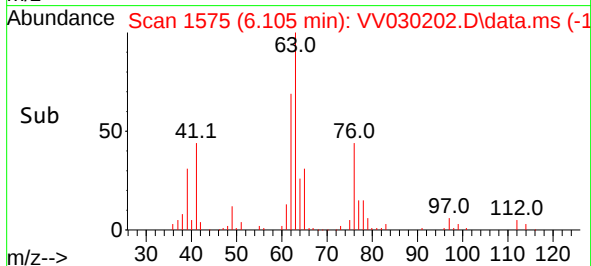
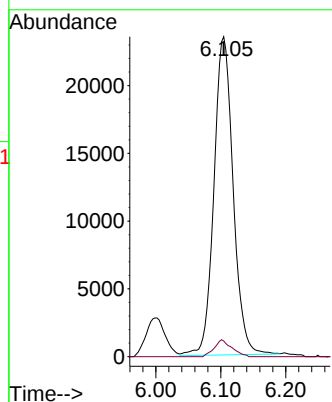
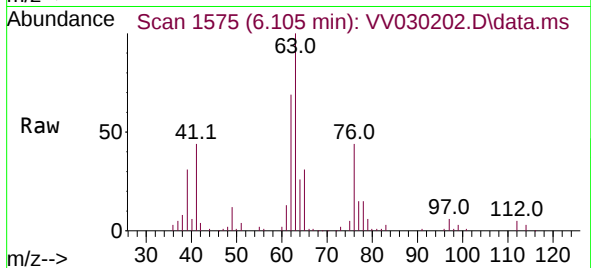
VSTD005301

Tgt Ion: 63 Resp: 48226

Ion Ratio Lower Upper

63 100

112 4.8 3.8 5.6



#38

Bromodichloromethane

Concen: 4.600 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

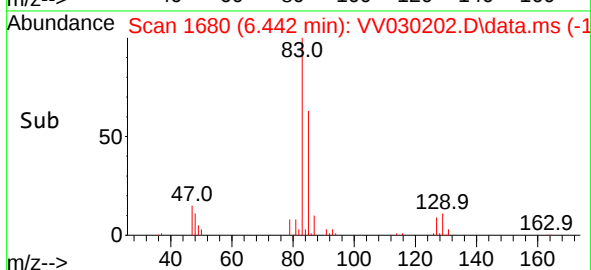
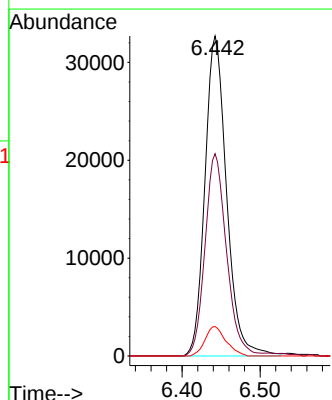
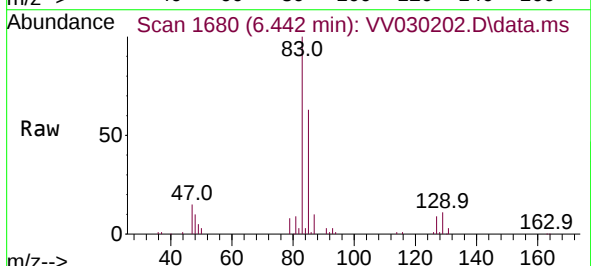
Tgt Ion: 83 Resp: 63101

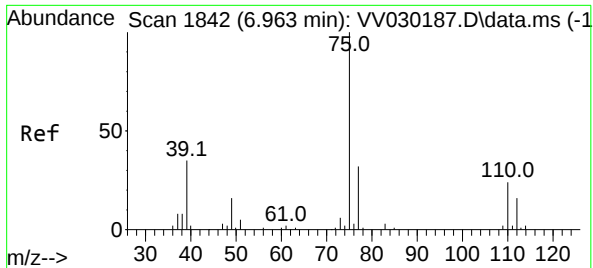
Ion Ratio Lower Upper

83 100

85 63.2 44.3 82.3

127 9.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 3.961 ug/L

RT: 6.963 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

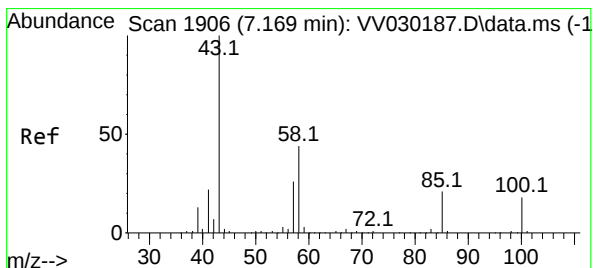
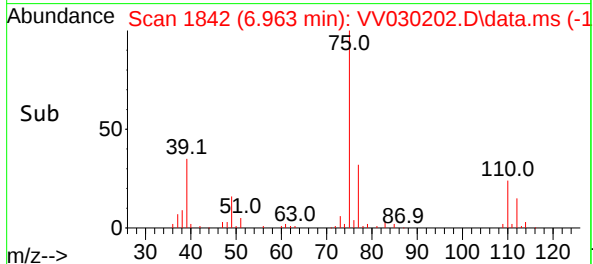
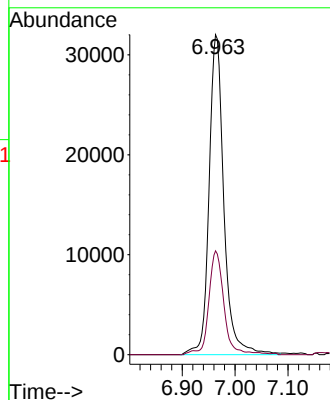
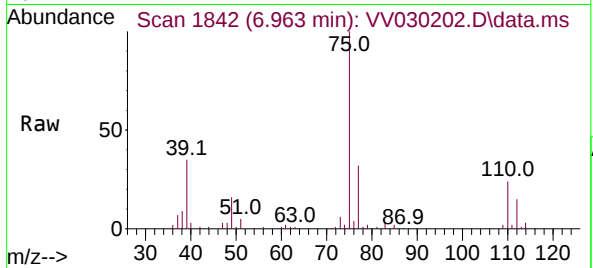
VSTD005301

Tgt Ion: 75 Resp: 62314

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 45.387 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

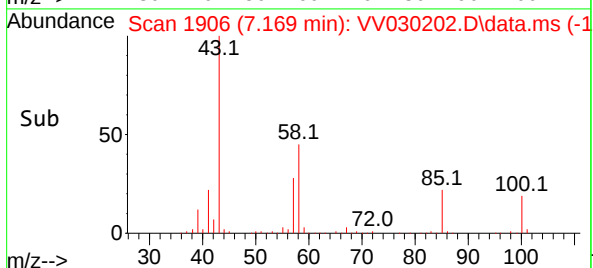
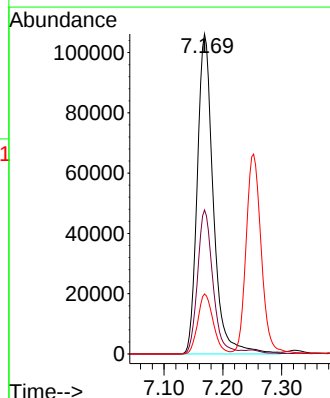
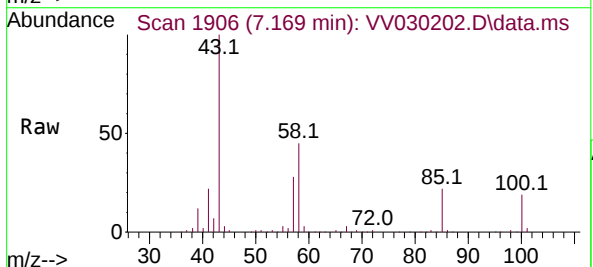
Tgt Ion: 43 Resp: 201246

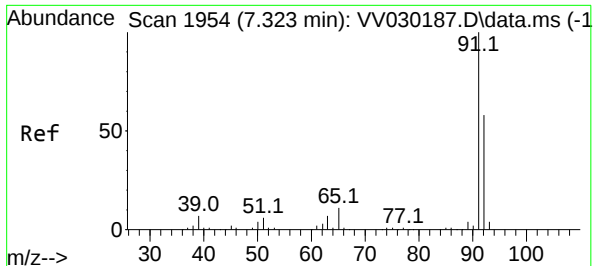
Ion Ratio Lower Upper

43 100

58 42.9 35.3 52.9

100 18.1 14.7 22.1

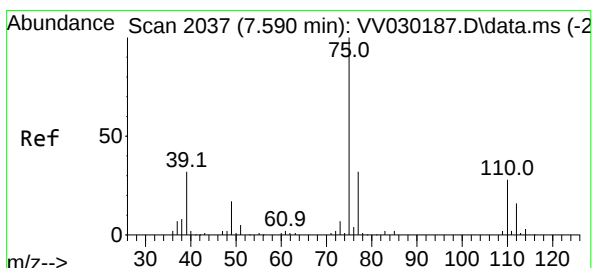
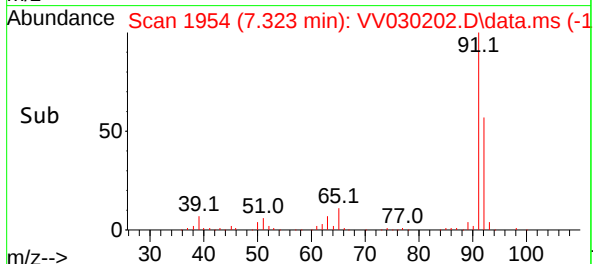
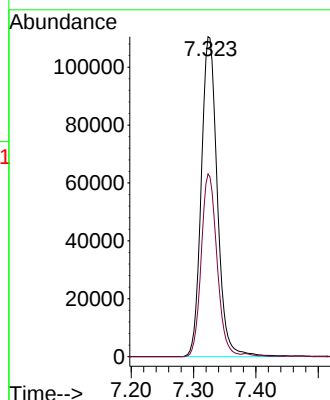
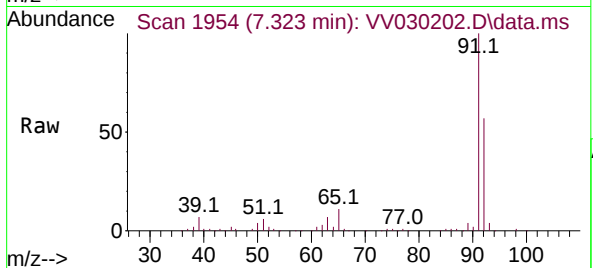




#42
Toluene
Concen: 4.324 ug/L
RT: 7.323 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

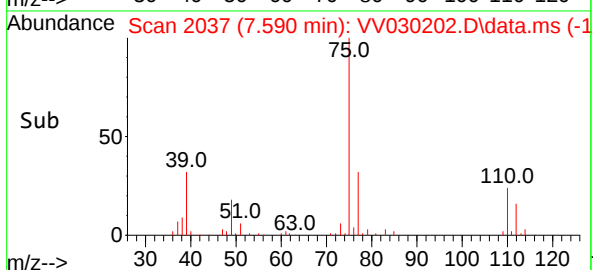
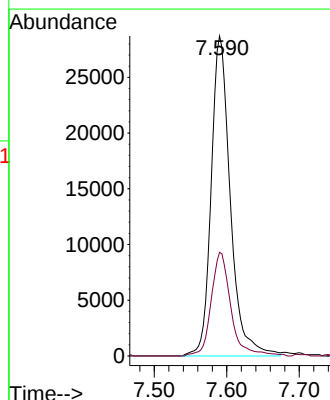
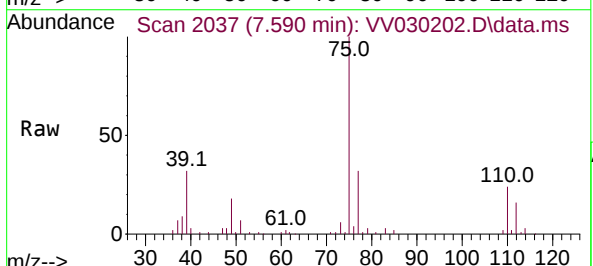
Instrument : MSVOA_V
ClientSampleId : VSTD005301

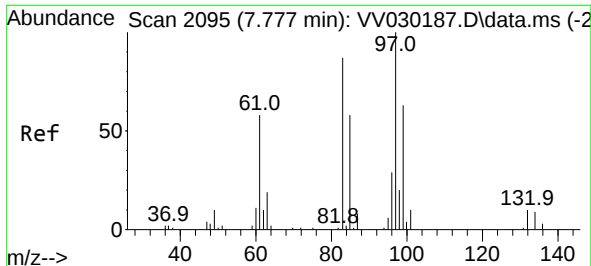
Tgt Ion: 91 Resp: 197784
Ion Ratio Lower Upper
91 100
92 57.1 39.6 73.6



#44
trans-1,3-Dichloropropene
Concen: 4.293 ug/L
RT: 7.590 min Scan# 2037
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 75 Resp: 52713
Ion Ratio Lower Upper
75 100
77 32.4 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 4.443 ug/L

RT: 7.780 min Scan# 2095

Delta R.T. 0.003 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

Tgt Ion: 97 Resp: 34161

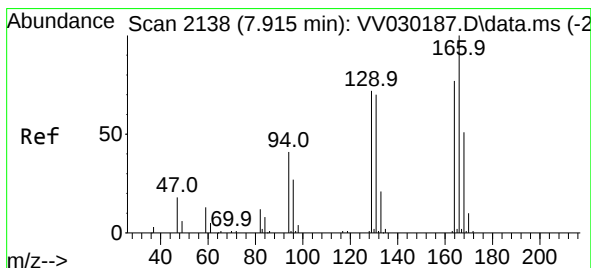
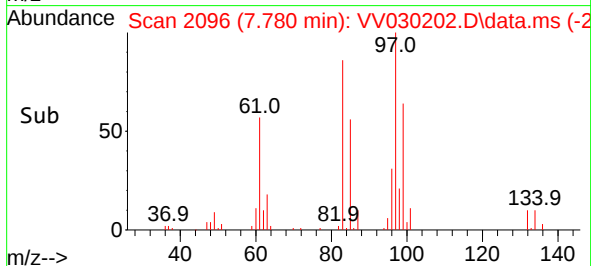
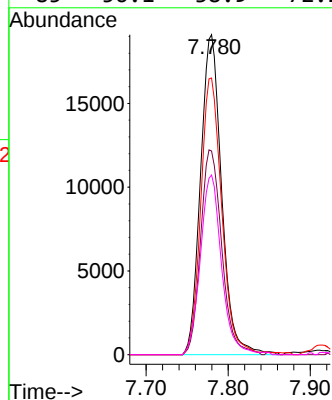
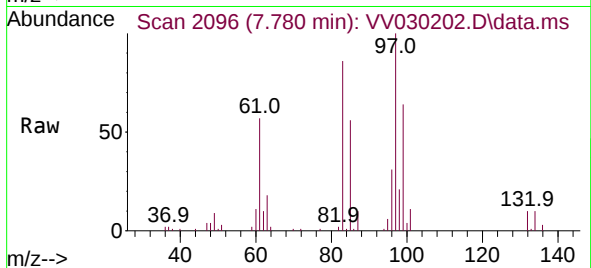
Ion Ratio Lower Upper

97 100

99 63.6 42.6 79.2

83 86.4 57.7 107.3

85 56.1 38.9 72.2



#47

Tetrachloroethene

Concen: 4.105 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Tgt Ion: 164 Resp: 41703

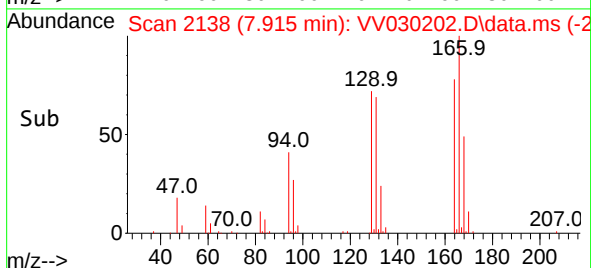
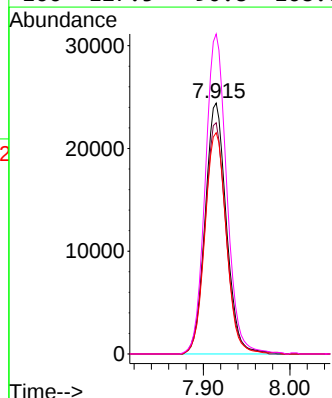
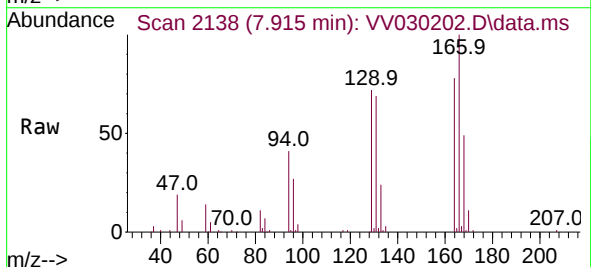
Ion Ratio Lower Upper

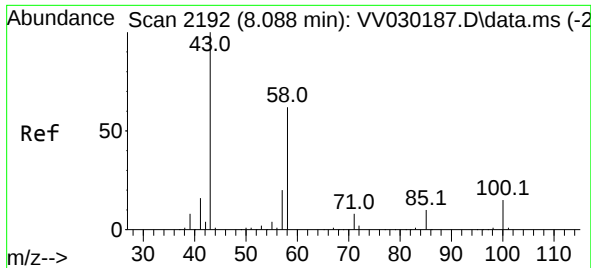
164 100

129 92.1 63.6 118.2

131 88.2 61.7 114.7

166 127.5 90.8 168.6



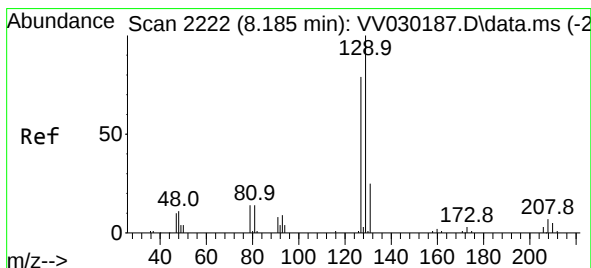
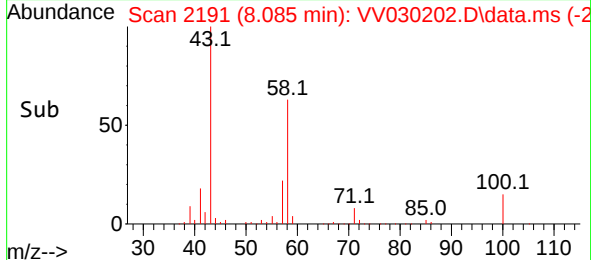
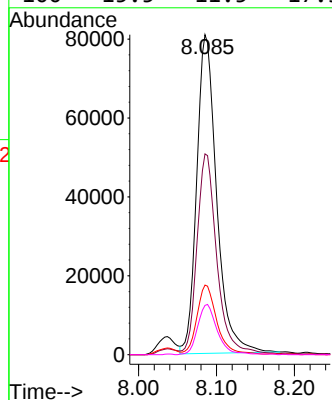
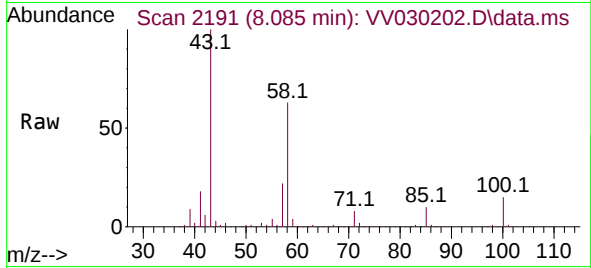


#48
2-Hexanone
Concen: 45.258 ug/L
RT: 8.085 min Scan# 2192
Delta R.T. -0.003 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

Tgt Ion: 43 Resp: 143659

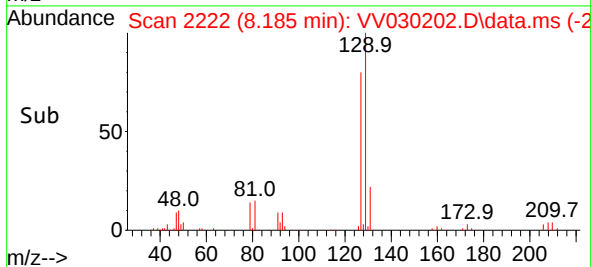
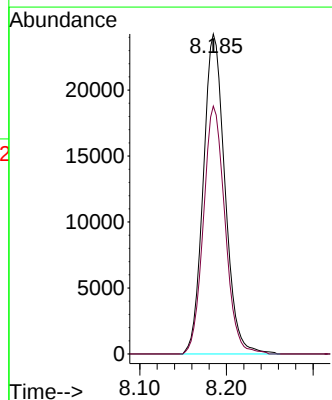
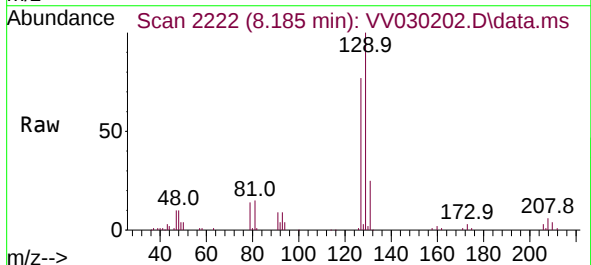
Ion	Ratio	Lower	Upper
43	100		
58	62.0	49.8	74.8
57	21.5	16.6	24.8
100	15.5	11.5	17.3

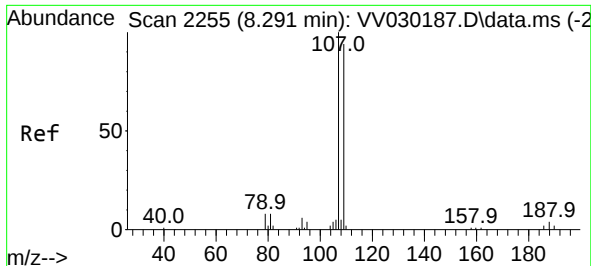


#49
Dibromochloromethane
Concen: 4.681 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 129 Resp: 42117

Ion	Ratio	Lower	Upper
129	100		
127	77.5	54.7	101.5





#50

1,2-Dibromoethane

Concen: 4.490 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

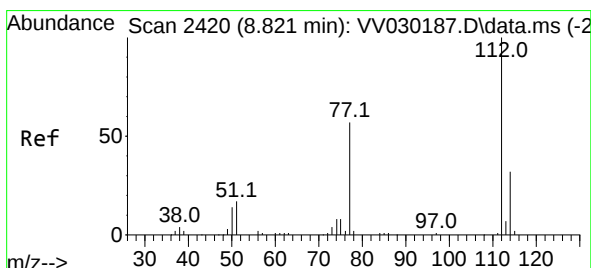
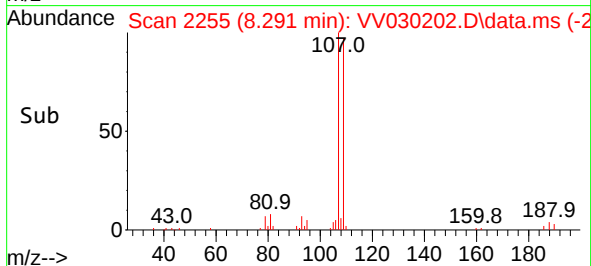
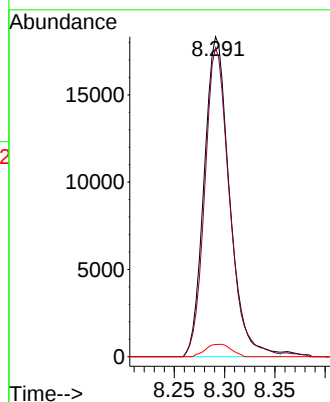
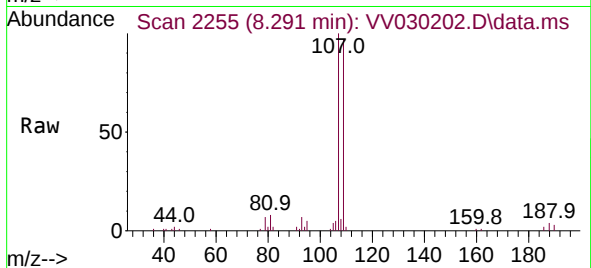
Tgt Ion:107 Resp: 32210

Ion Ratio Lower Upper

107 100

109 96.5 63.3 117.7

188 3.8 3.0 4.6



#51

Chlorobenzene

Concen: 4.263 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

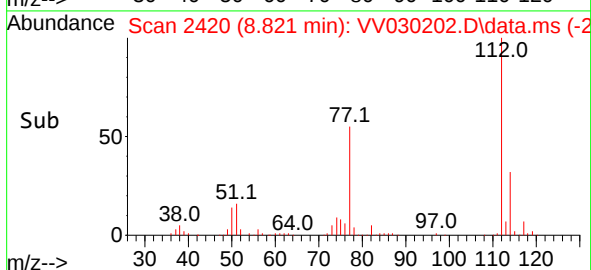
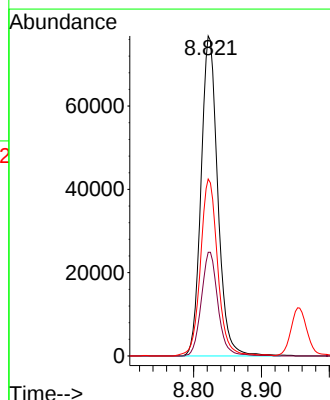
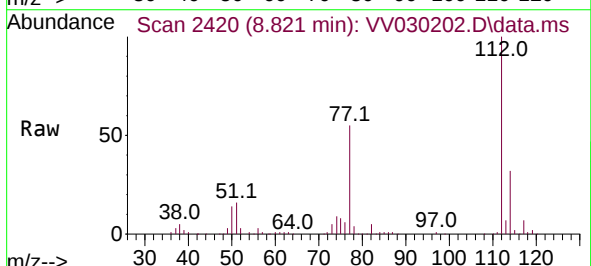
Tgt Ion:112 Resp: 131507

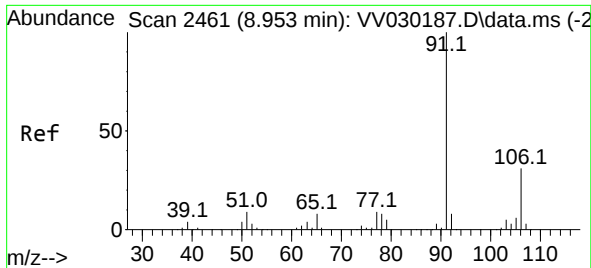
Ion Ratio Lower Upper

112 100

114 32.4 22.5 41.7

77 55.3 45.3 67.9

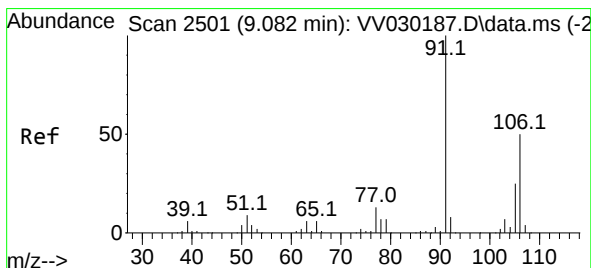
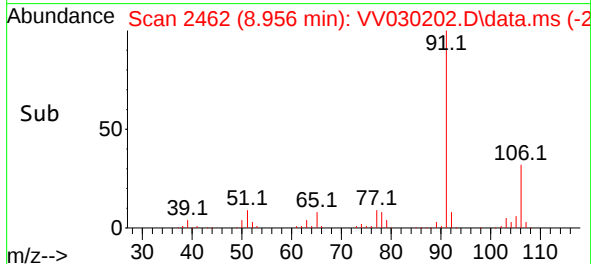
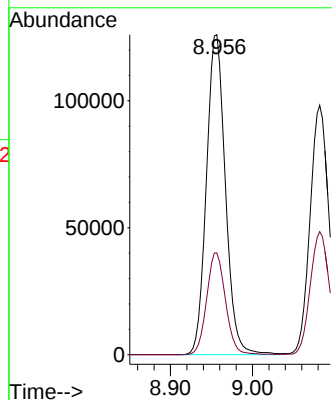
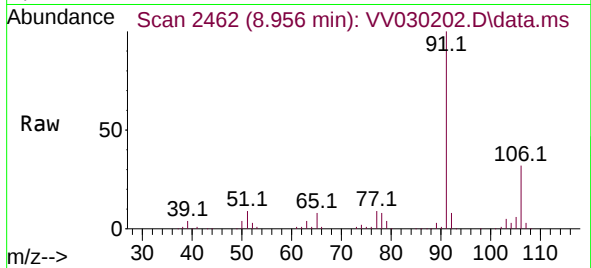




#52
Ethylbenzene
Concen: 4.067 ug/L
RT: 8.956 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

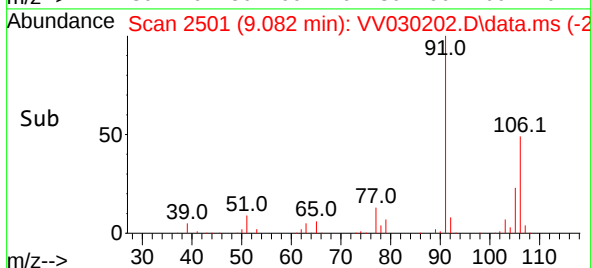
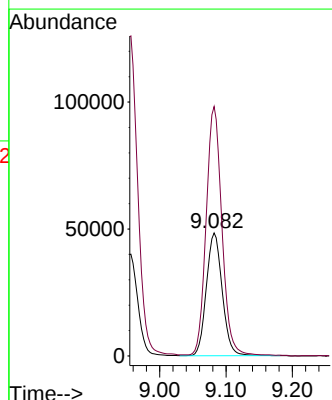
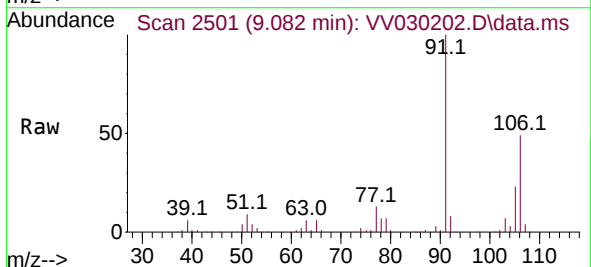
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

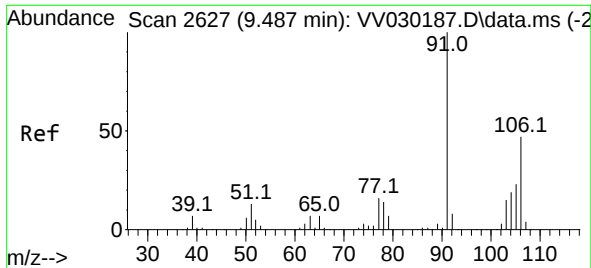
Tgt Ion: 91 Resp: 202475
Ion Ratio Lower Upper
91 100
106 31.8 22.0 40.8



#53
m,p-Xylene
Concen: 4.201 ug/L
RT: 9.082 min Scan# 2501
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 106 Resp: 80381
Ion Ratio Lower Upper
106 100
91 202.8 142.5 264.7

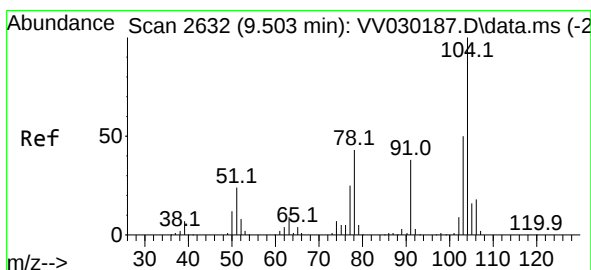
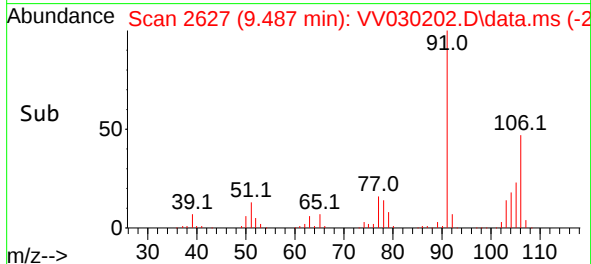
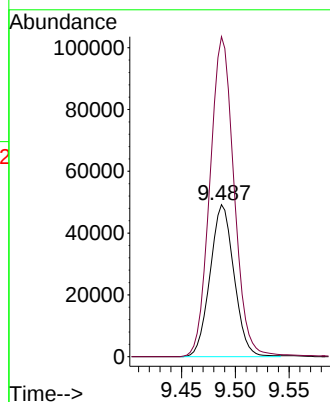
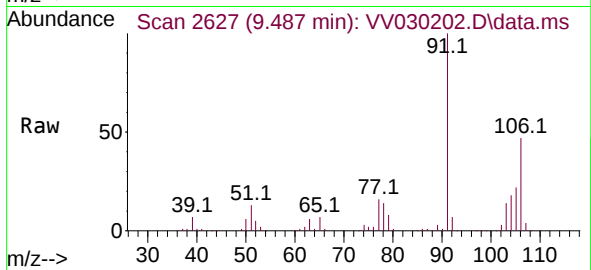




#54
o-Xylene
Concen: 4.170 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

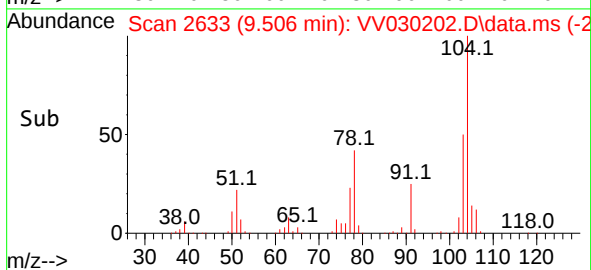
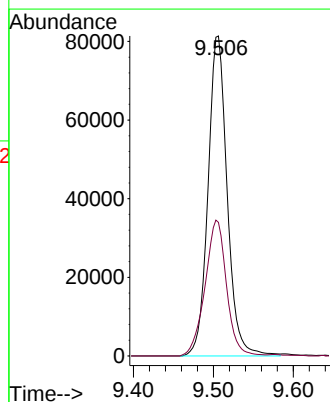
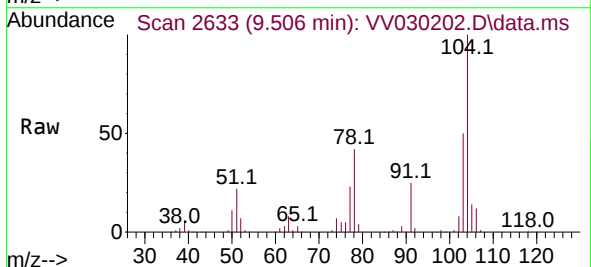
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

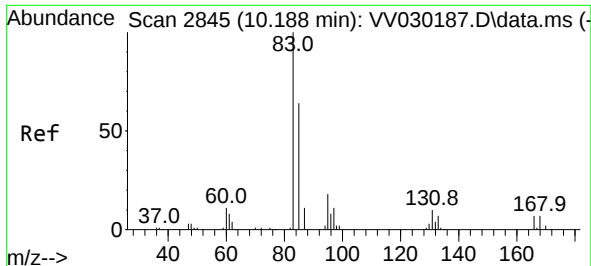
Tgt Ion:106 Resp: 76220
Ion Ratio Lower Upper
106 100
91 210.6 148.8 276.4



#55
Styrene
Concen: 4.474 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion:104 Resp: 135982
Ion Ratio Lower Upper
104 100
78 41.7 31.1 57.9

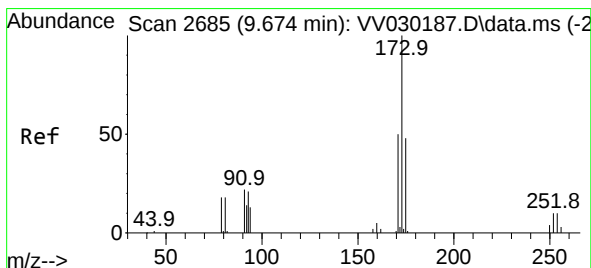
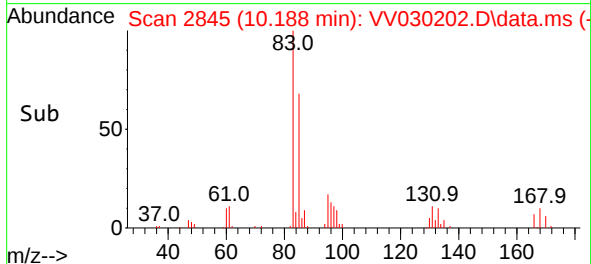
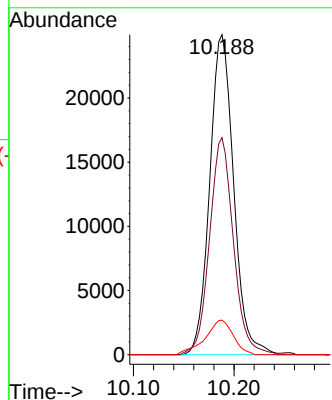
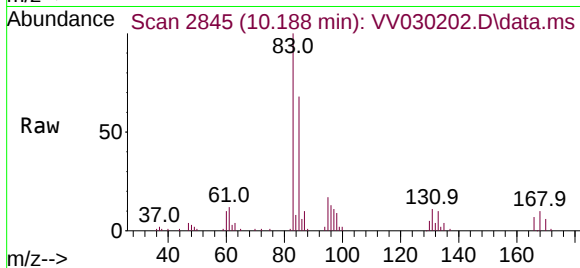




#57
1,1,2,2-Tetrachloroethane
Concen: 4.802 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

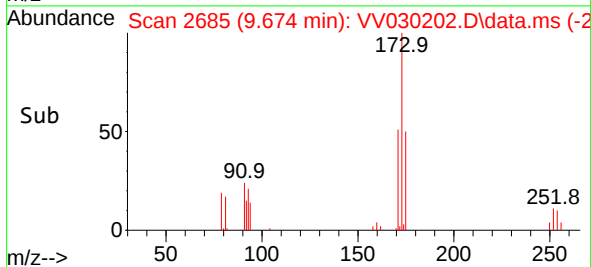
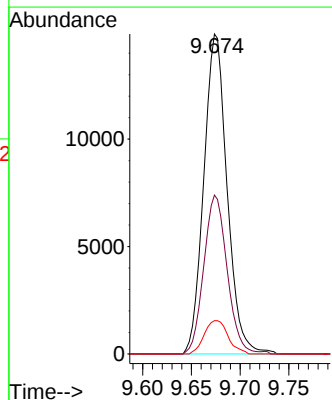
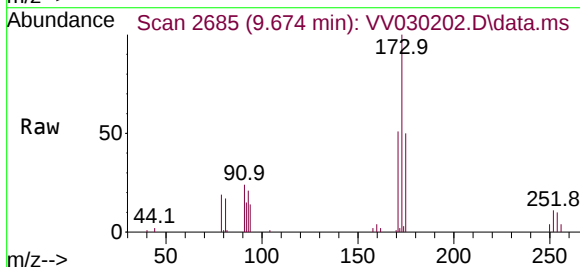
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

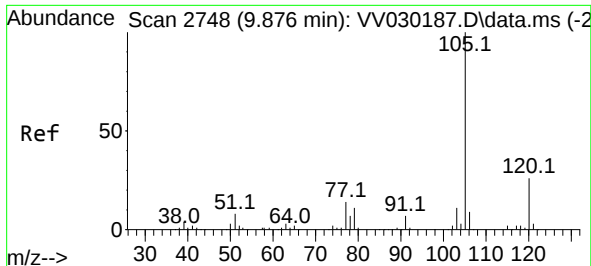
Tgt Ion: 83 Resp: 41302
Ion Ratio Lower Upper
83 100
85 67.9 45.0 83.6
131 10.8 8.2 12.4



#59
Bromoform
Concen: 4.314 ug/L
RT: 9.674 min Scan# 2685
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 173 Resp: 24773
Ion Ratio Lower Upper
173 100
175 49.8 38.5 57.7
254 10.6 8.6 13.0

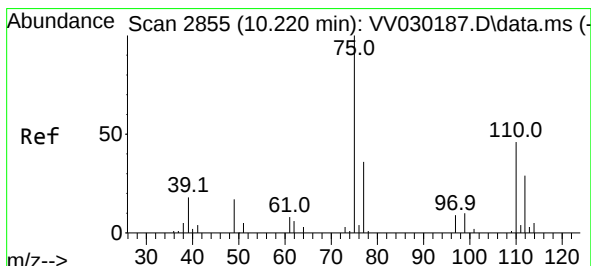
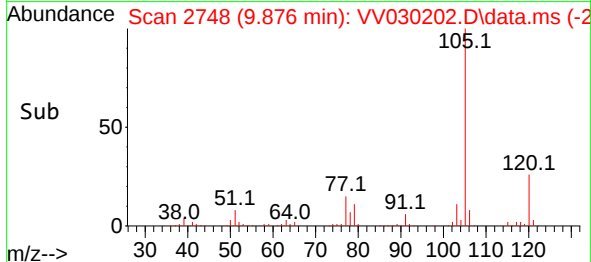
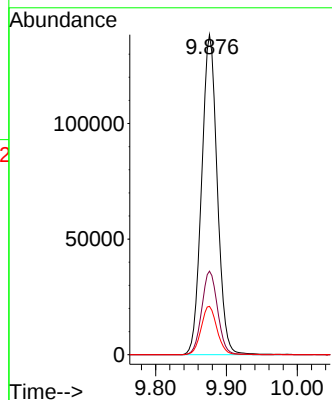
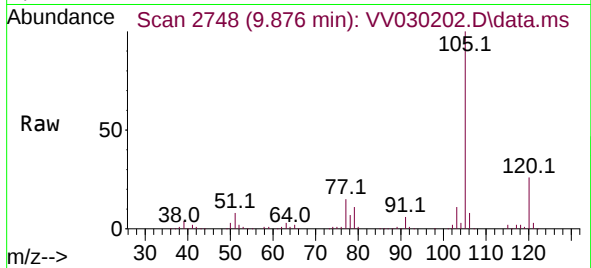




#60
Isopropylbenzene
Concen: 3.839 ug/L
RT: 9.876 min Scan# 211631
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

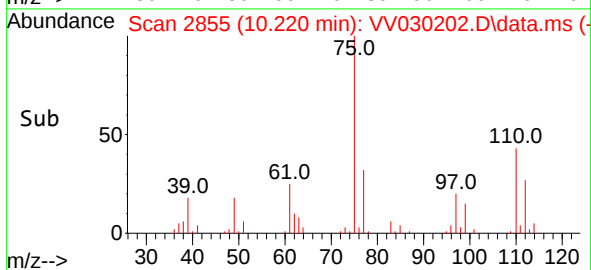
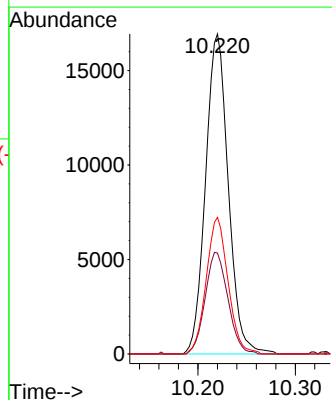
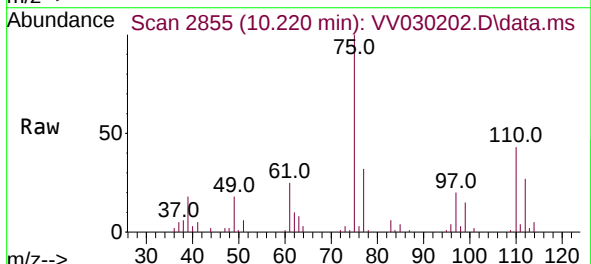
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

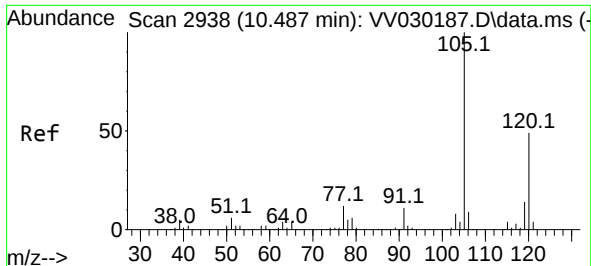
Tgt Ion:105 Resp: 211631
Ion Ratio Lower Upper
105 100
120 26.5 21.4 32.0
77 15.5 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.277 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 75 Resp: 27424
Ion Ratio Lower Upper
75 100
77 31.8 26.5 39.7
110 41.0 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 3.646 ug/L

RT: 10.487 min Scan# 2938

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

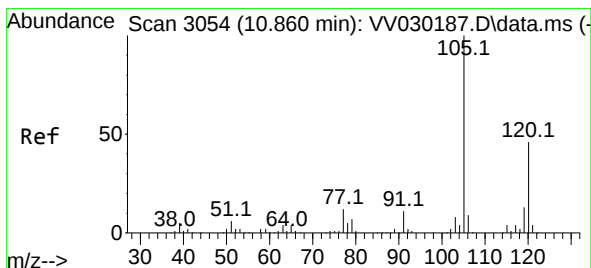
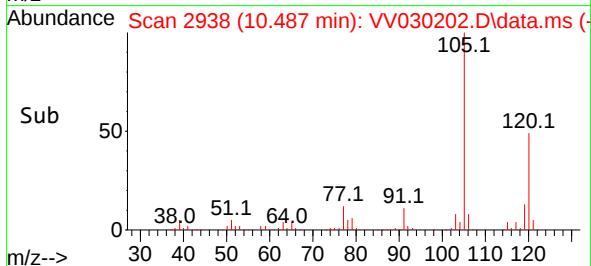
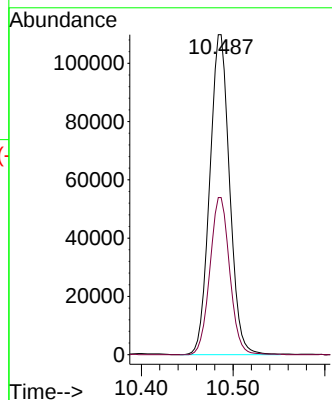
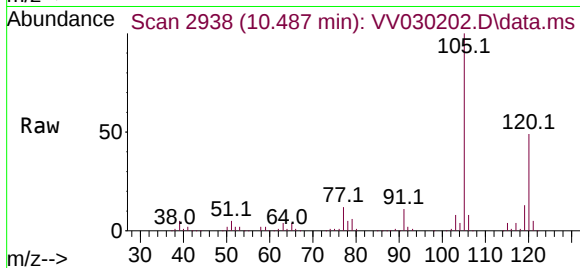
VSTD005301

Tgt Ion:105 Resp: 165118

Ion Ratio Lower Upper

105 100

120 48.9 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 3.715 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030202.D

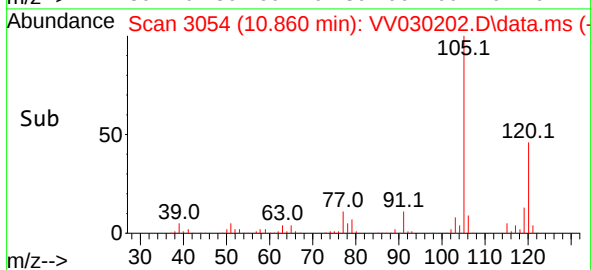
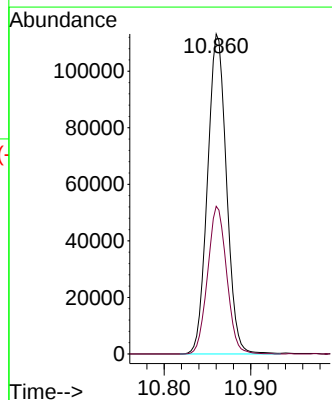
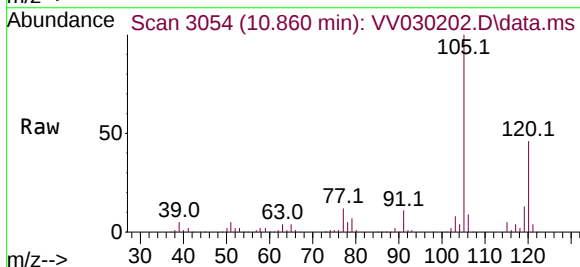
Acq: 14 Mar 2023 17:57

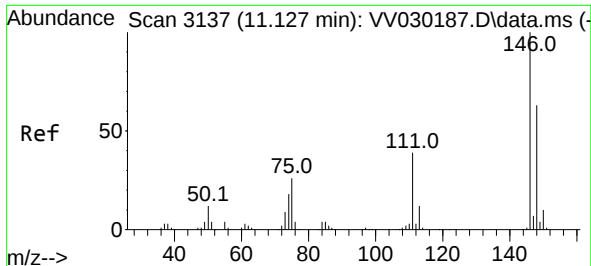
Tgt Ion:105 Resp: 172089

Ion Ratio Lower Upper

105 100

120 46.3 36.2 54.4

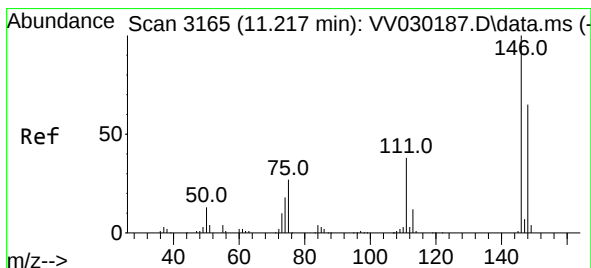
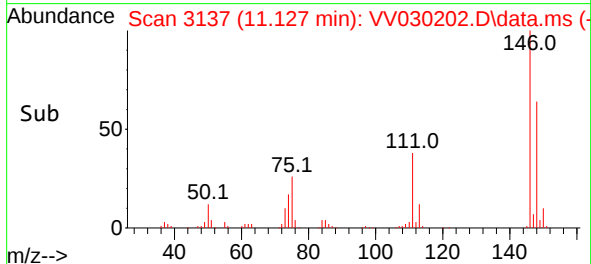
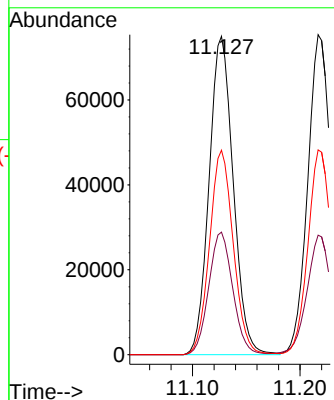
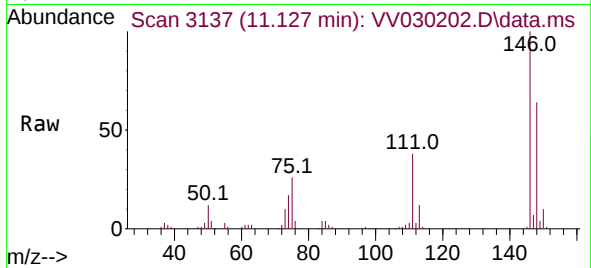




#64
1,3-Dichlorobenzene
Concen: 4.075 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

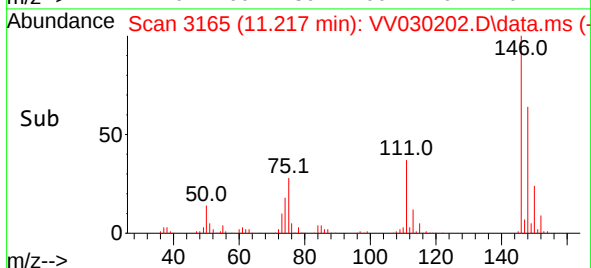
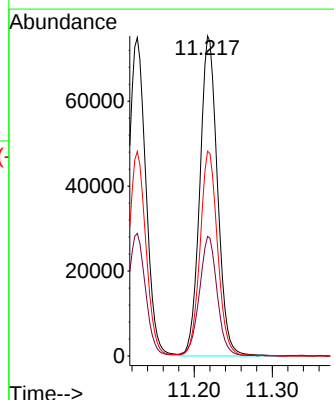
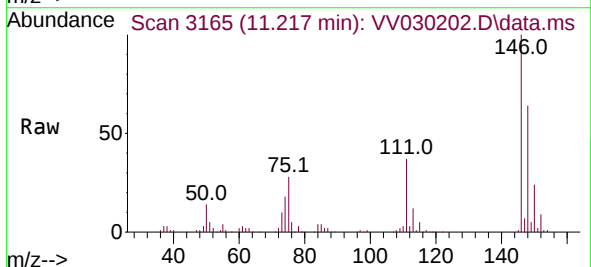
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

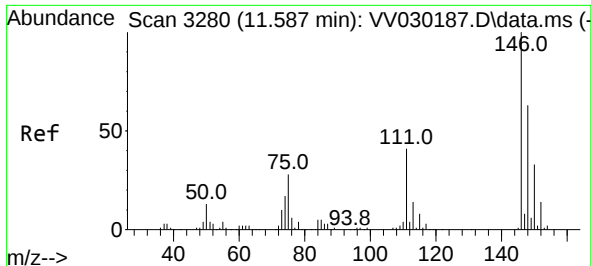
Tgt Ion:146 Resp: 116963
Ion Ratio Lower Upper
146 100
111 38.5 27.7 51.5
148 64.2 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.095 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion:146 Resp: 118605
Ion Ratio Lower Upper
146 100
111 37.4 27.4 51.0
148 64.0 44.1 81.9

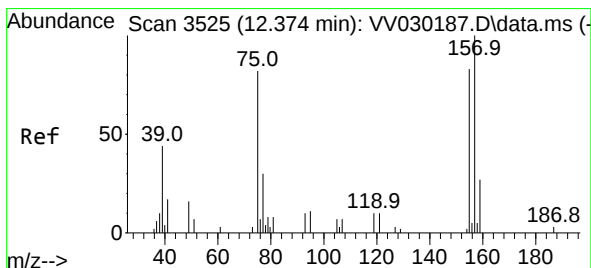
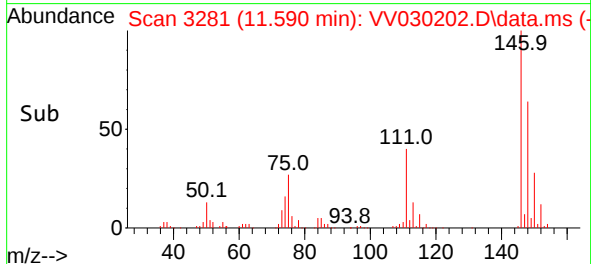
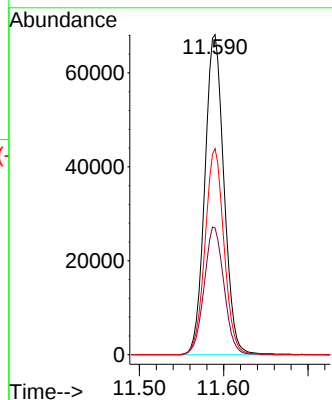
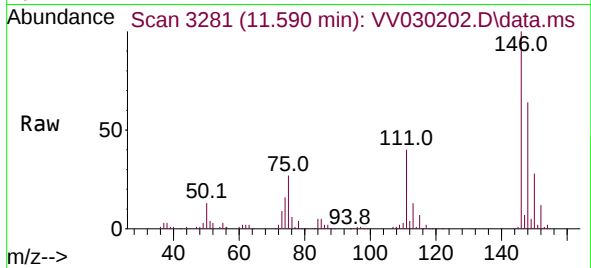




#67
1,2-Dichlorobenzene
Concen: 4.255 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

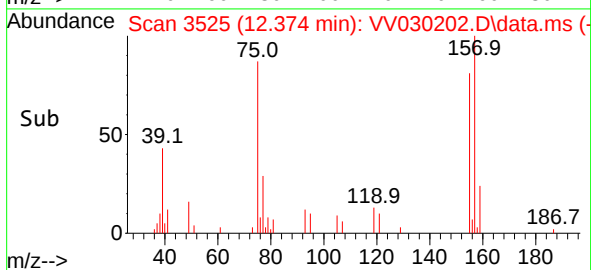
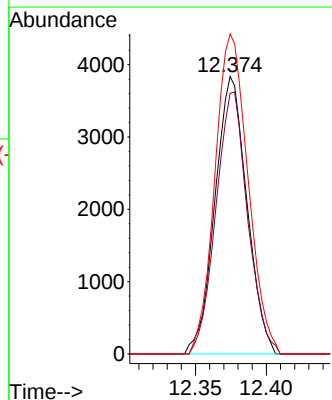
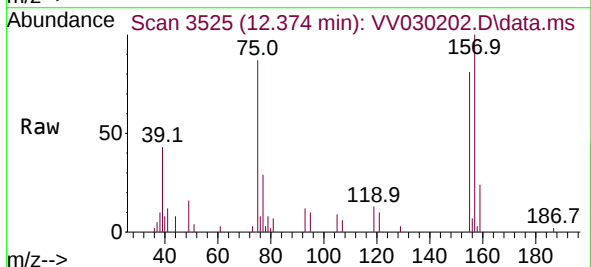
Instrument :
MSVOA_V
ClientSampleId :
VSTD005301

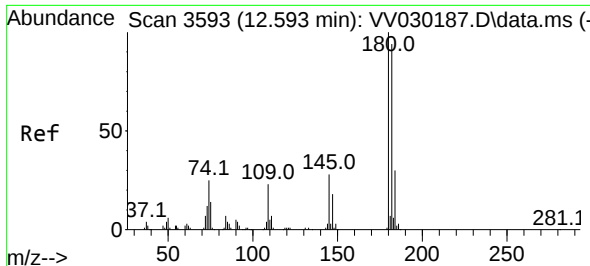
Tgt Ion:146 Resp: 107843
Ion Ratio Lower Upper
146 100
111 39.6 33.5 50.3
148 64.4 51.3 76.9



#68
1,2-Dibromo-3-chloropropane
Concen: 4.199 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. -0.000 min
Lab File: VV030202.D
Acq: 14 Mar 2023 17:57

Tgt Ion: 75 Resp: 6014
Ion Ratio Lower Upper
75 100
155 94.0 79.1 118.7
157 115.3 95.5 143.3

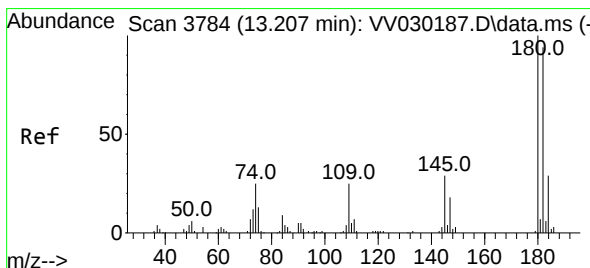
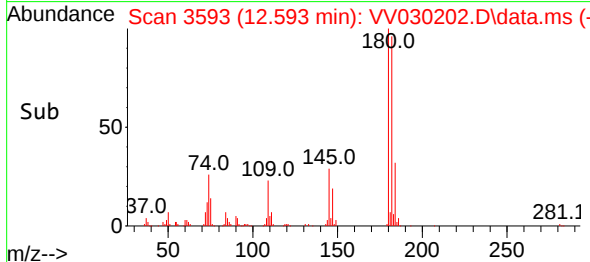
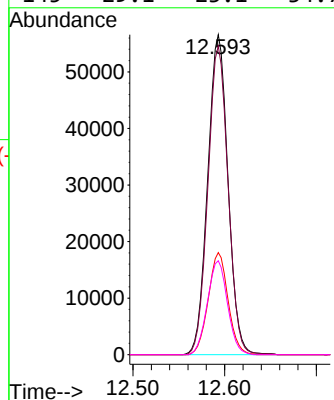
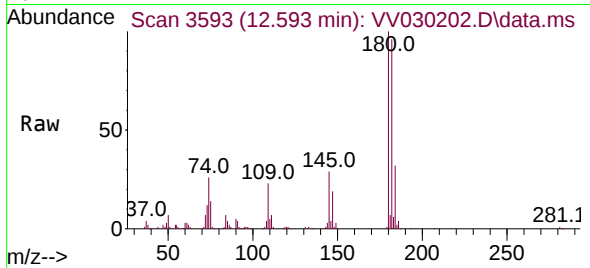




#69
 1,3,5-Trichlorobenzene
 Concen: 3.685 ug/L
 RT: 12.593 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

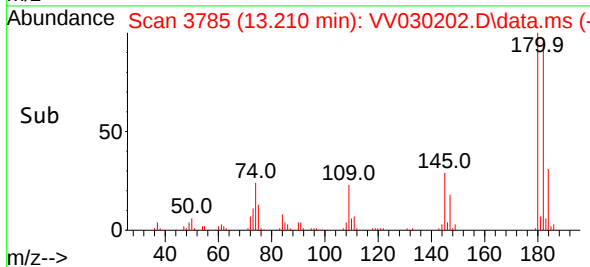
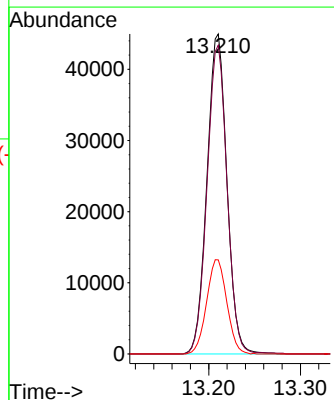
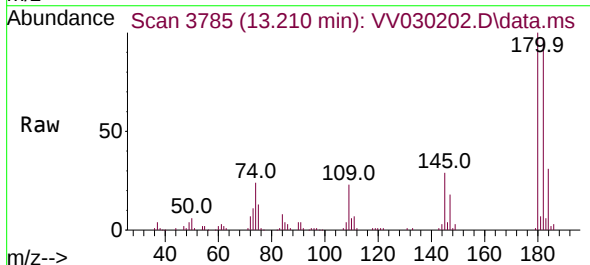
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005301

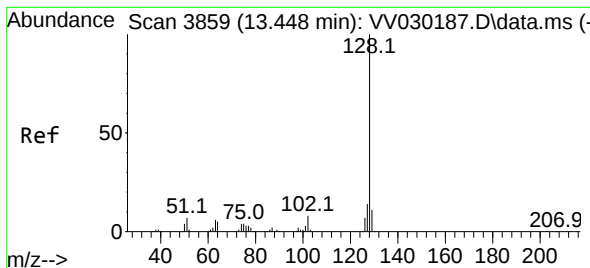
Tgt Ion:180	Resp:	86954
Ion Ratio	Lower	Upper
180	100	
182	95.8	76.5 114.7
184	31.2	24.3 36.5
145	29.1	23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 3.558 ug/L
 RT: 13.210 min Scan# 3785
 Delta R.T. 0.003 min
 Lab File: VV030202.D
 Acq: 14 Mar 2023 17:57

Tgt Ion:180	Resp:	68014
Ion Ratio	Lower	Upper
180	100	
182	96.8	77.3 115.9
145	29.8	23.1 34.7





#71

Naphthalene

Concen: 3.493 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD005301

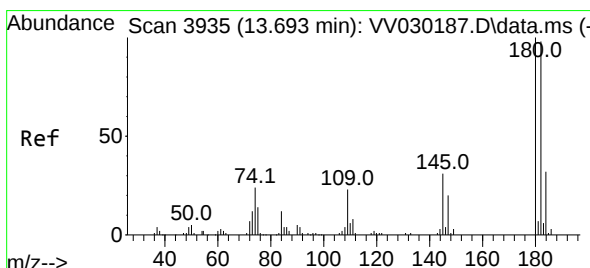
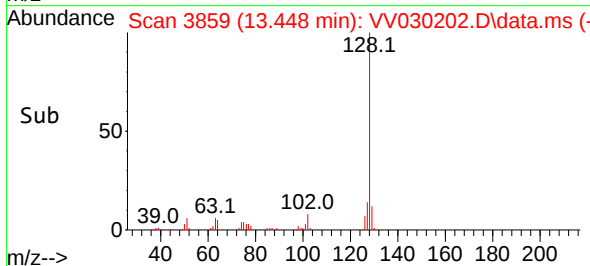
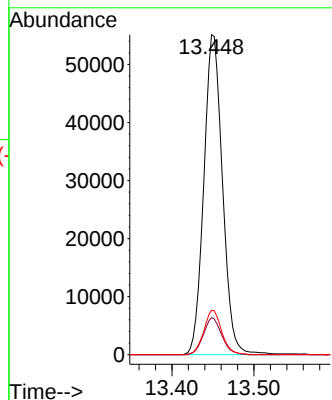
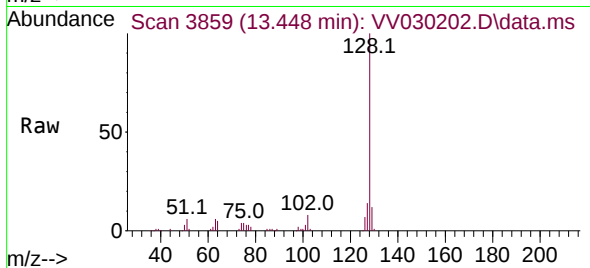
Tgt Ion:128 Resp: 87248

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

127 13.3 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 3.725 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. -0.000 min

Lab File: VV030202.D

Acq: 14 Mar 2023 17:57

Tgt Ion:180 Resp: 58614

Ion Ratio Lower Upper

180 100

182 96.6 76.2 114.2

145 31.1 25.1 37.7

