

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW031523\
 Data File : VW030215.D
 Acq On : 15 Mar 2023 16:37
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005303

Quant Time: Mar 16 01:53:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 16 01:47:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	194922	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	190224	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	119347	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	54596	4.329	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.600%
7) Chloroethane-d5	1.539	69	49310	4.165	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.200%
11) 1,1-Dichloroethene-d2	2.066	63	112670	4.345	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.000%
20) 2-Butanone-d5	3.818	46	97336	41.859	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.720%
24) Chloroform-d	4.262	84	113792	4.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	4.953	65	46908	4.460	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	4.973	84	211730	4.137	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.800%
36) 1,2-Dichloropropane-d6	5.998	67	63050	4.095	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.800%
41) Toluene-d8	7.252	98	209461	4.317	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	7.561	79	23196	4.403	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.034	63	90387	41.470	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.940%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	49171	4.488	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	81972	4.060	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	68687	4.331	ug/L	100
3) Chloromethane	1.217	50	84921	3.398	ug/L	100
5) Vinyl chloride	1.288	62	72335	4.355	ug/L	100
6) Bromomethane	1.494	94	24932	8.363	ug/L	97
8) Chloroethane	1.555	64	47180	4.662	ug/L	100
9) Trichlorofluoromethane	1.719	101	117462	4.929	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	72355	4.896	ug/L	97
12) 1,1-Dichloroethene	2.076	96	63198	4.831	ug/L	97
13) Acetone	2.146	43	78328	45.574	ug/L #	46
14) Carbon disulfide	2.249	76	138290	3.951	ug/L	98
15) Methyl Acetate	2.391	43	17555	4.373	ug/L #	90
16) Methylene chloride	2.455	84	63536	3.976	ug/L	96
17) Methyl tert-butyl Ether	2.712	73	120415	4.707	ug/L	100
18) trans-1,2-Dichloroethene	2.703	96	57059	4.585	ug/L	99
19) 1,1-Dichloroethane	3.121	63	115186	4.969	ug/L	99
21) 2-Butanone	3.899	43	113081	48.922	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	65553	4.766	ug/L	99
23) Bromochloromethane	4.159	128	32045	5.452	ug/L	91
25) Chloroform	4.288	83	124662	5.170	ug/L	99

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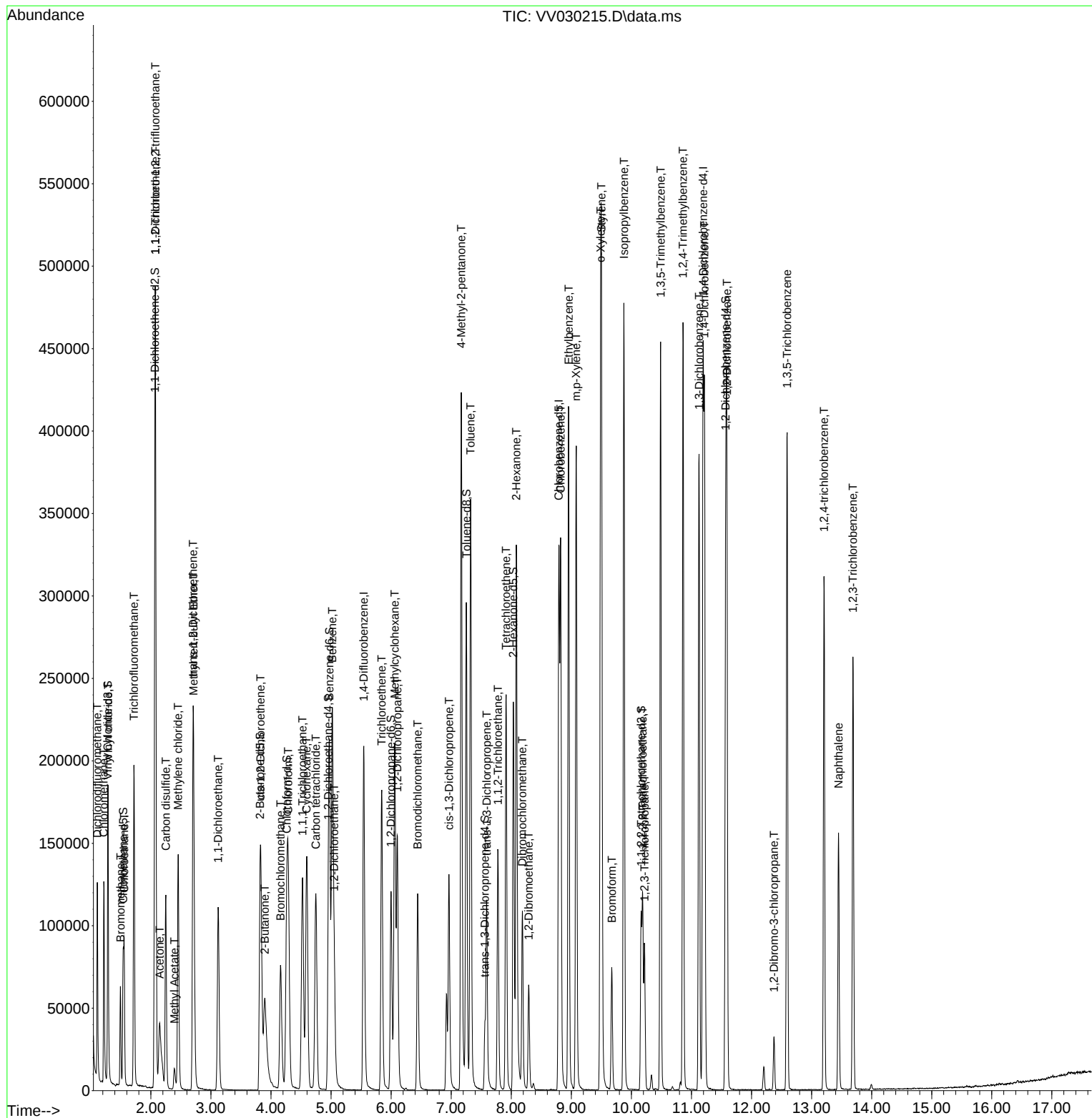
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	61618	4.885	ug/L	99
29) 1,1,1-Trichloroethane	4.522	97	110196	4.931	ug/L	98
30) Cyclohexane	4.593	56	75515	3.911	ug/L	99
31) Carbon tetrachloride	4.748	117	97352	4.847	ug/L	98
33) Benzene	5.021	78	244444	4.705	ug/L	100
34) Trichloroethene	5.844	95	66755	4.586	ug/L	97
35) Methylcyclohexane	6.059	83	89100	4.044	ug/L	99
37) 1,2-Dichloropropane	6.104	63	64909	4.911	ug/L	99
38) Bromodichloromethane	6.442	83	85188	5.049	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	86927	4.493	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	272936	50.045	ug/L	99
42) Toluene	7.323	91	276493	4.914	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	72589	4.806	ug/L	100
45) 1,1,2-Trichloroethane	7.776	97	47940	5.069	ug/L	99
47) Tetrachloroethene	7.915	164	58409	4.674	ug/L	97
48) 2-Hexanone	8.085	43	202480	51.860	ug/L	99
49) Dibromochloromethane	8.185	129	57370	5.184	ug/L	100
50) 1,2-Dibromoethane	8.291	107	44372	5.029	ug/L	98
51) Chlorobenzene	8.821	112	185624	4.892	ug/L	98
52) Ethylbenzene	8.956	91	290421	4.743	ug/L	100
53) m,p-Xylene	9.082	106	114703	4.874	ug/L	99
54) o-Xylene	9.487	106	112289	4.995	ug/L	97
55) Styrene	9.503	104	195144	5.220	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	56244	5.317	ug/L	100
59) Bromoform	9.673	173	34693	4.850	ug/L	99
60) Isopropylbenzene	9.876	105	305679	4.451	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	37449	4.688	ug/L	98
62) 1,3,5-Trimethylbenzene	10.487	105	243908	4.324	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	258149	4.474	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	166806	4.665	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	169274	4.692	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	151549	4.800	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	7903	4.430	ug/L	97
69) 1,3,5-Trichlorobenzene	12.593	180	130739	4.448	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	99232	4.167	ug/L	99
71) Naphthalene	13.448	128	124689	4.007	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	84287	4.300	ug/L	98

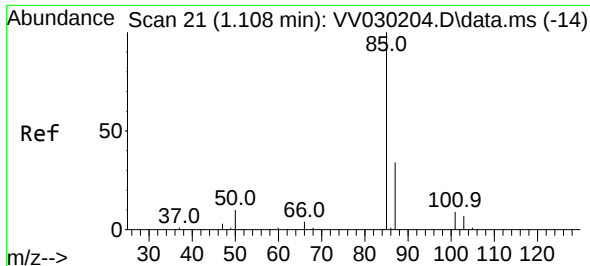
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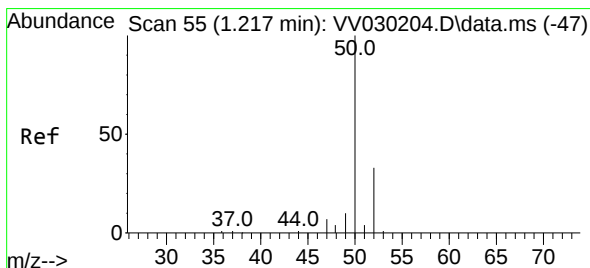
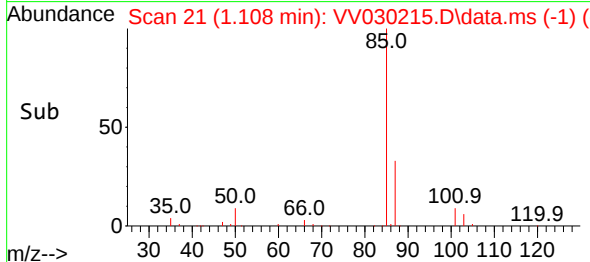
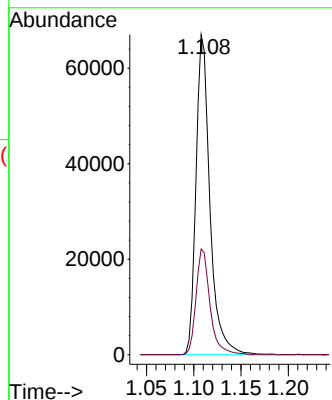
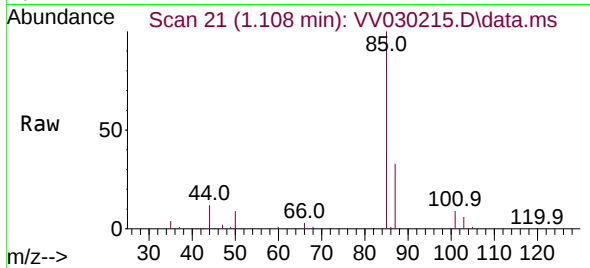




#2
Dichlorodifluoromethane
Concen: 4.331 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

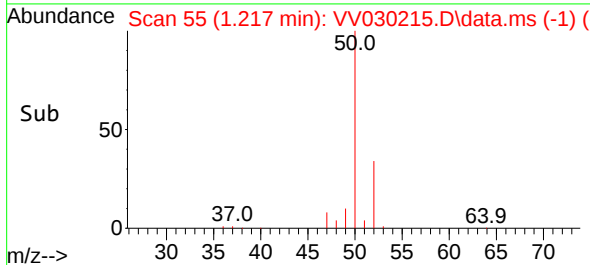
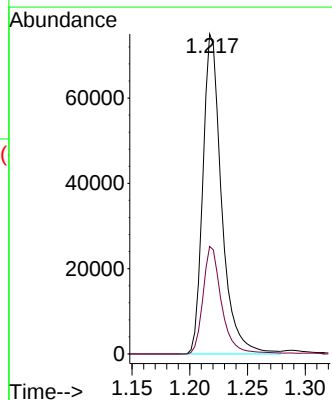
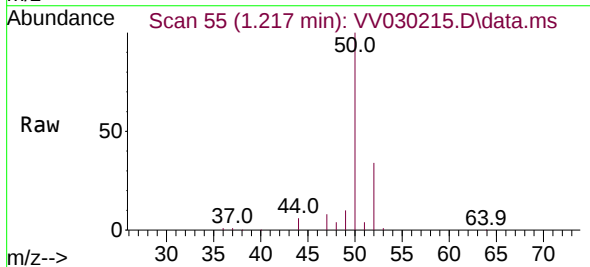
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

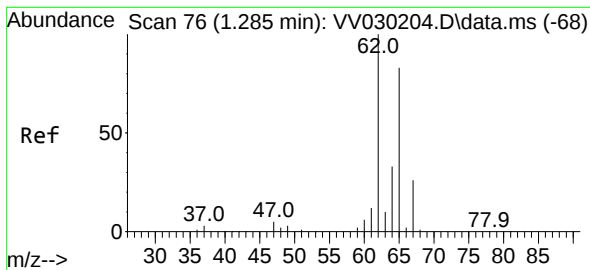
Tgt Ion: 85 Resp: 68687
Ion Ratio Lower Upper
85 100
87 33.1 26.6 39.8



#3
Chloromethane
Concen: 3.398 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion: 50 Resp: 84921
Ion Ratio Lower Upper
50 100
52 33.6 23.6 43.8





#5

Vinyl chloride

Concen: 4.355 ug/L

RT: 1.288 min Scan# 71

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

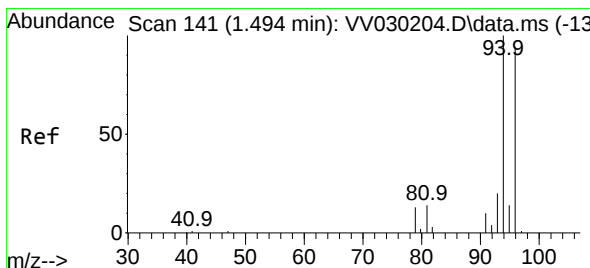
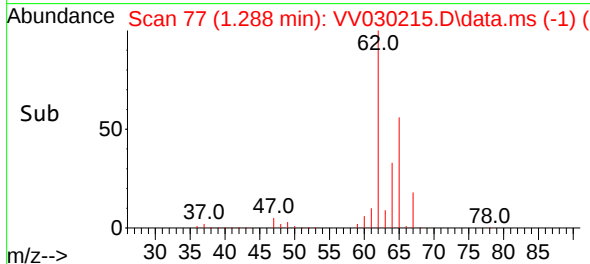
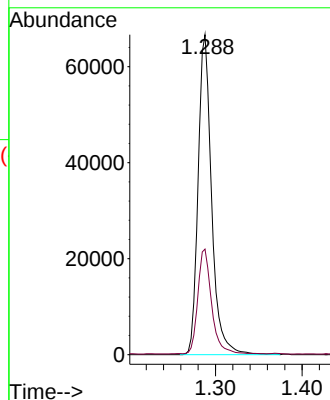
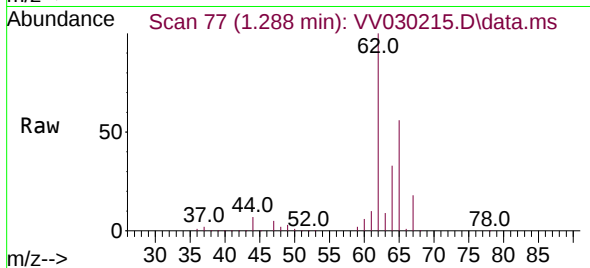
VSTD005303

Tgt Ion: 62 Resp: 72335

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 8.363 ug/L

RT: 1.494 min Scan# 141

Delta R.T. -0.000 min

Lab File: VV030215.D

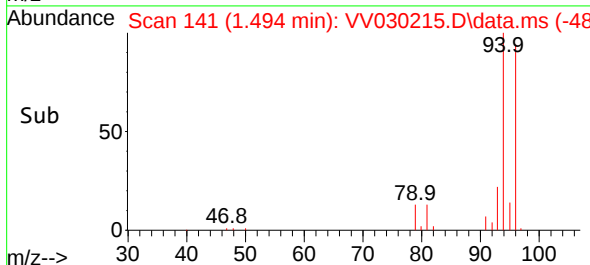
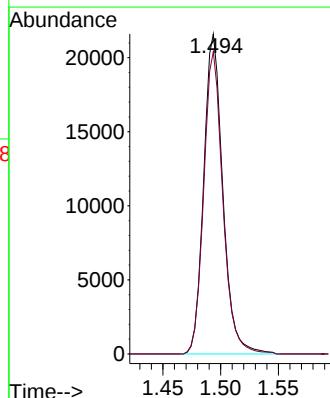
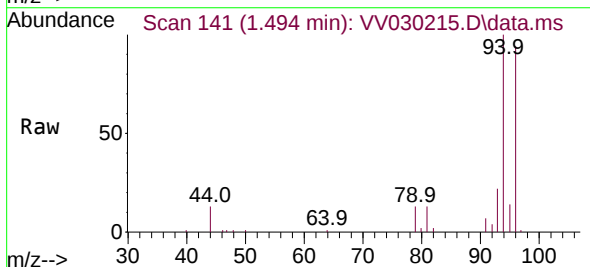
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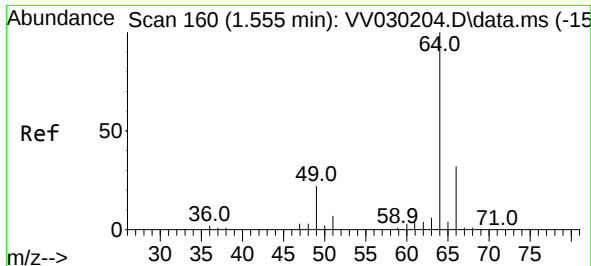
Tgt Ion: 94 Resp: 24932

Ion Ratio Lower Upper

94 100

96 94.4 68.4 127.0





#8

Chloroethane

Concen: 4.662 ug/L

RT: 1.555 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

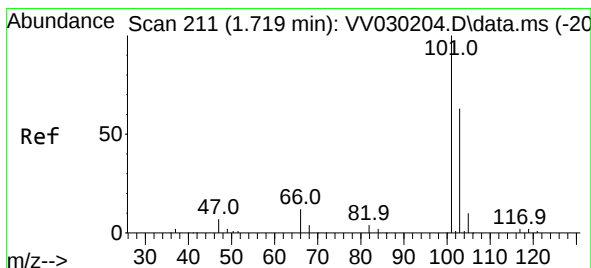
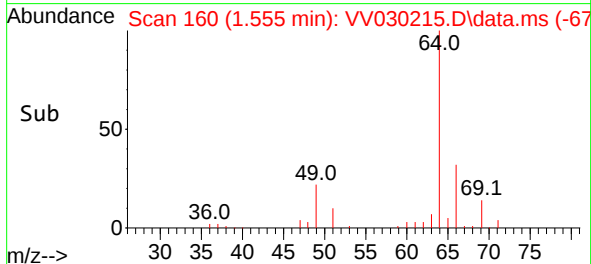
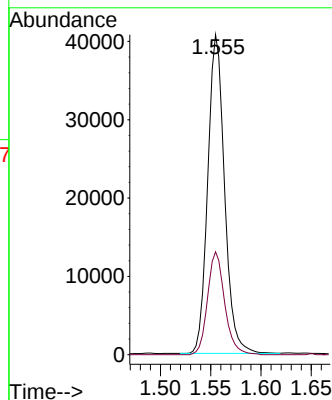
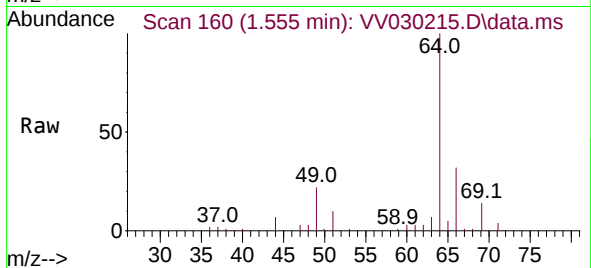
VSTD005303

Tgt Ion: 64 Resp: 47180

Ion Ratio Lower Upper

64 100

66 32.2 22.4 41.6



#9

Trichlorofluoromethane

Concen: 4.929 ug/L

RT: 1.719 min Scan# 211

Delta R.T. -0.000 min

Lab File: VV030215.D

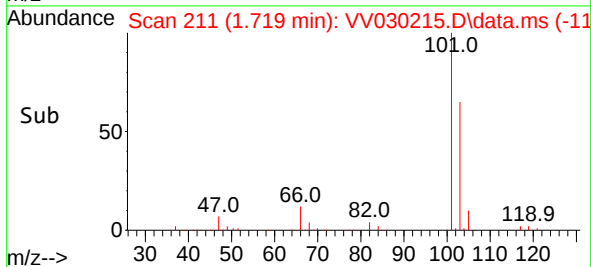
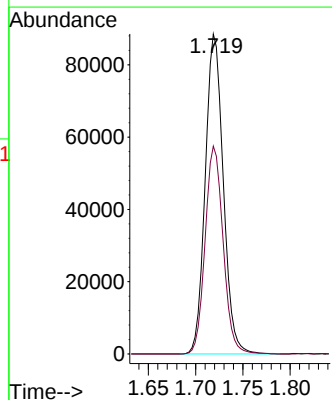
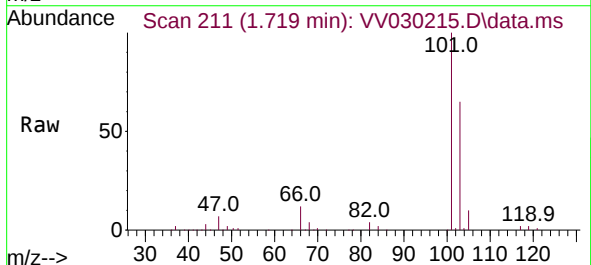
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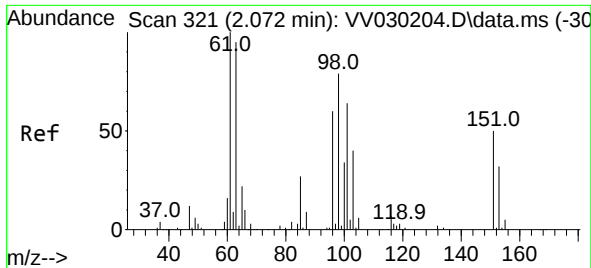
Tgt Ion:101 Resp: 117462

Ion Ratio Lower Upper

101 100

103 64.8 52.7 79.1

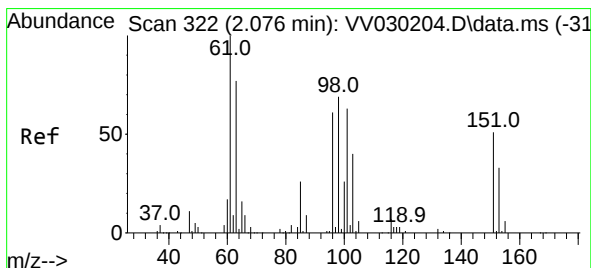
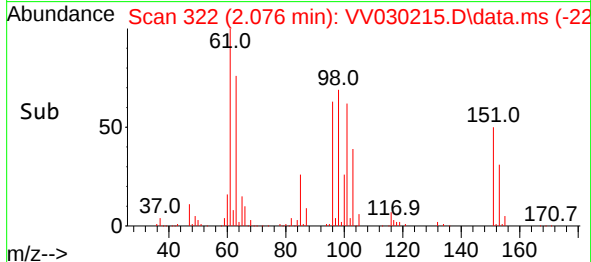
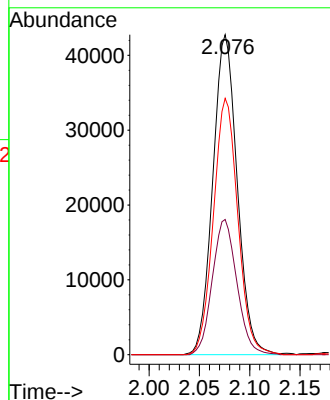
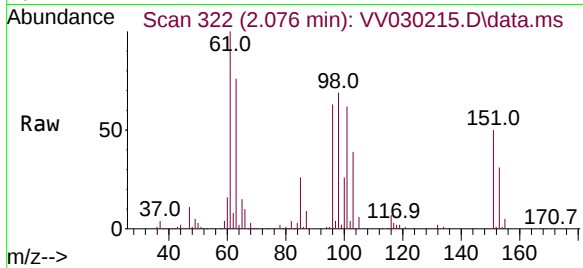




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.896 ug/L
RT: 2.076 min Scan# 311
Delta R.T. 0.003 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

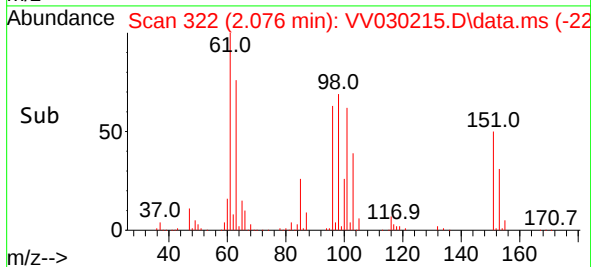
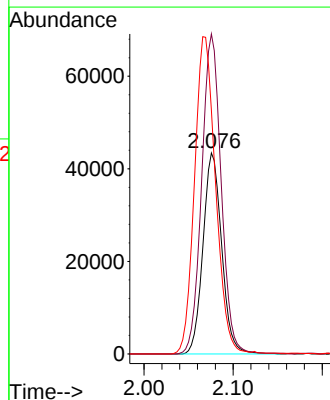
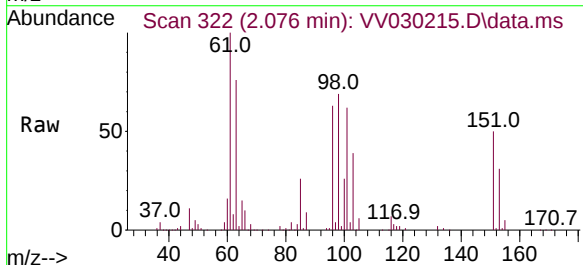
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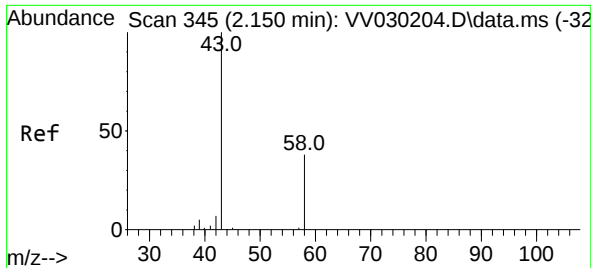
Tgt Ion:101 Resp: 72355
Ion Ratio Lower Upper
101 100
85 42.4 33.5 50.3
151 80.0 61.6 92.4



#12
1,1-Dichloroethene
Concen: 4.831 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion: 96 Resp: 63198
Ion Ratio Lower Upper
96 100
61 159.3 115.6 214.6
63 121.3 85.6 159.0





#13

Acetone

Concen: 45.574 ug/L

RT: 2.146 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

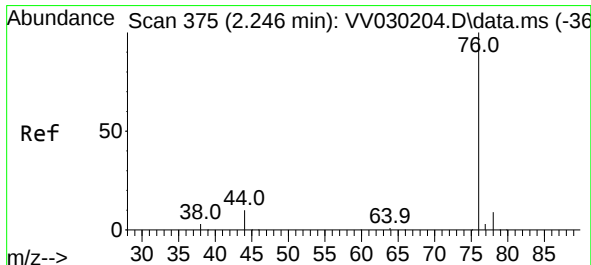
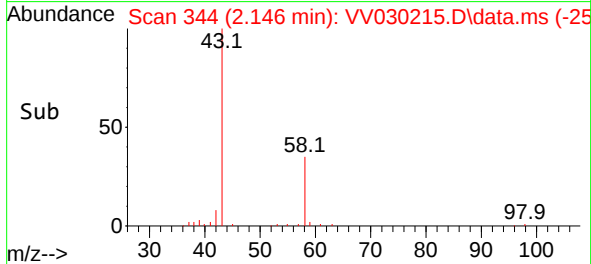
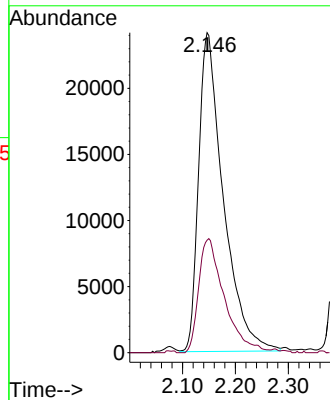
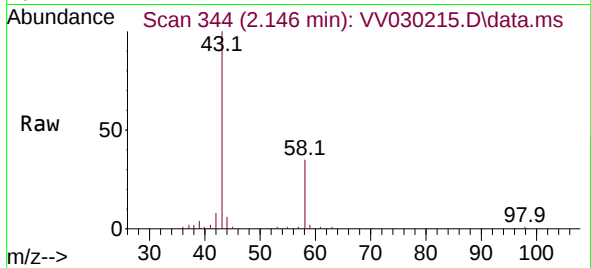
VSTD005303

Tgt Ion: 43 Resp: 78328

Ion Ratio Lower Upper

43 100

58 37.1 0.0 29.4#



#14

Carbon disulfide

Concen: 3.951 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

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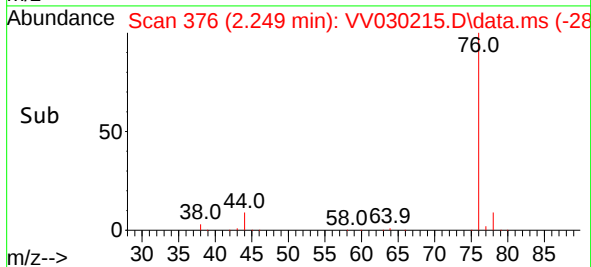
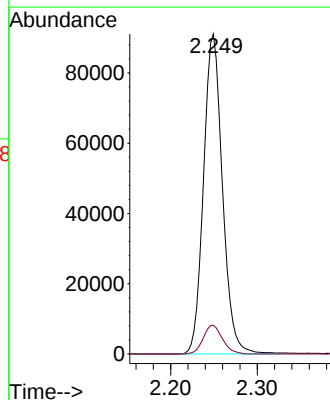
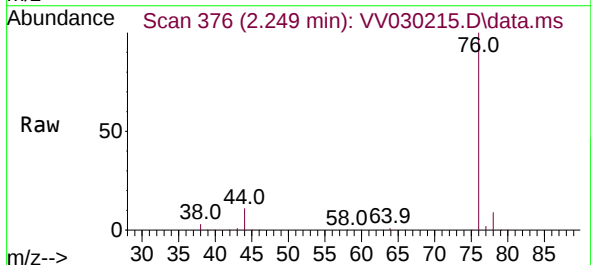
Acq: 15 Mar 2023 16:37

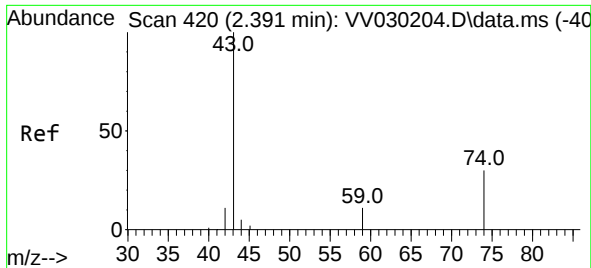
Tgt Ion: 76 Resp: 138290

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

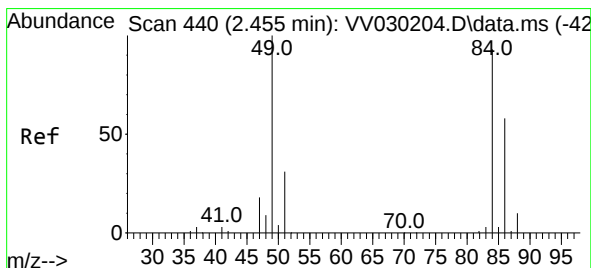
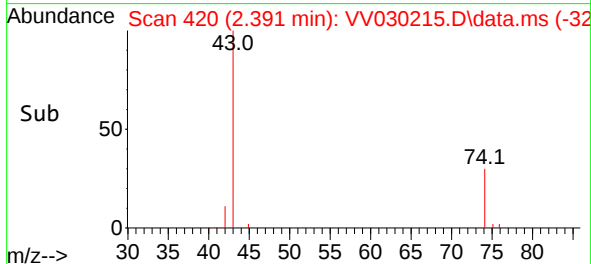
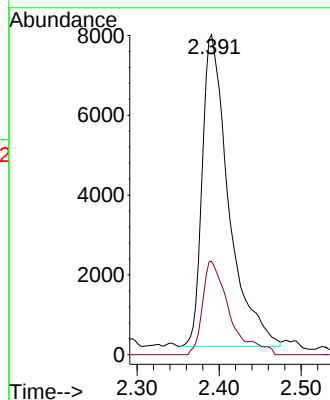
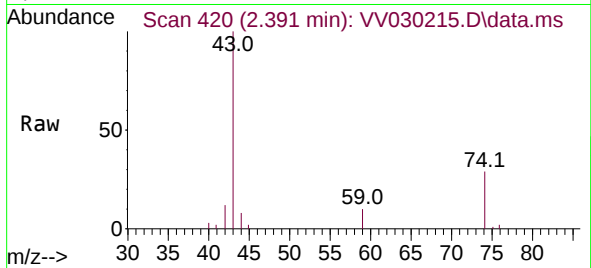




#15
Methyl Acetate
Concen: 4.373 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

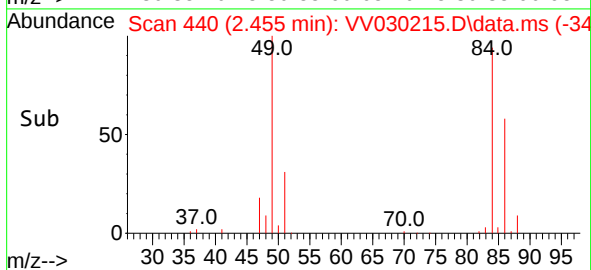
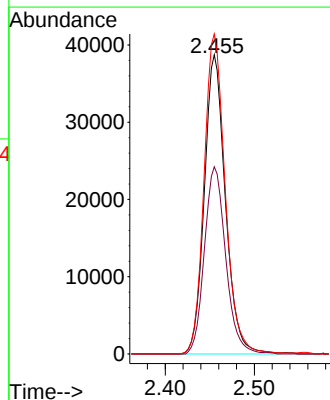
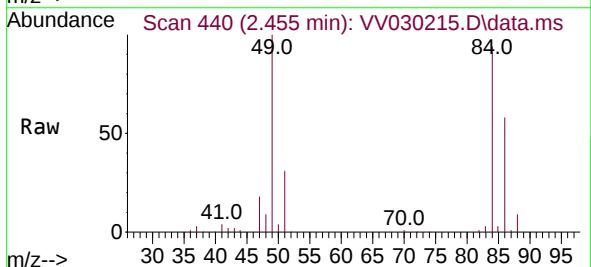
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

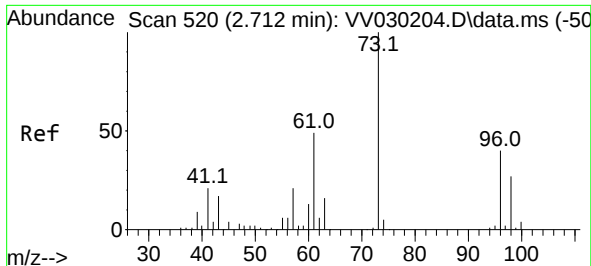
Tgt Ion: 43 Resp: 17555
Ion Ratio Lower Upper
43 100
74 30.2 20.1 30.1#



#16
Methylene chloride
Concen: 3.976 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion: 84 Resp: 63536
Ion Ratio Lower Upper
84 100
86 62.5 44.7 83.1
49 106.9 78.8 146.3





#17

Methyl tert-butyl Ether

Concen: 4.707 ug/L

RT: 2.712 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005303

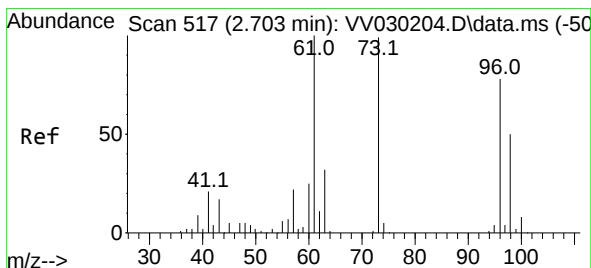
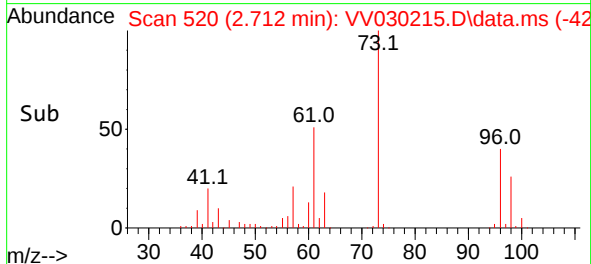
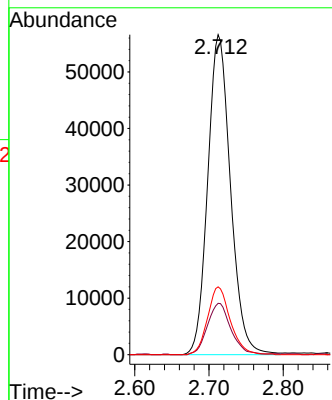
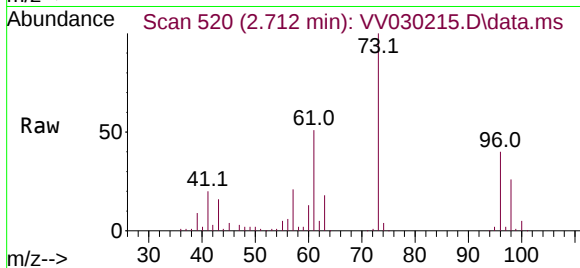
Tgt Ion: 73 Resp: 120415

Ion Ratio Lower Upper

73 100

43 16.6 13.4 20.2

57 21.1 16.8 25.2



#18

trans-1,2-Dichloroethene

Concen: 4.585 ug/L

RT: 2.703 min Scan# 517

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

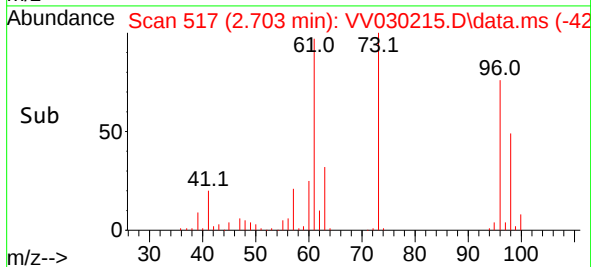
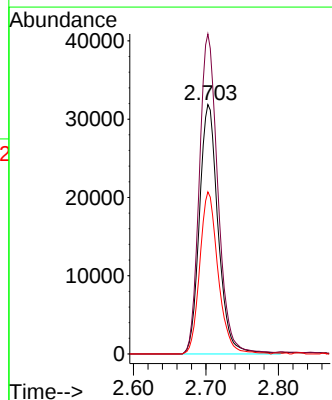
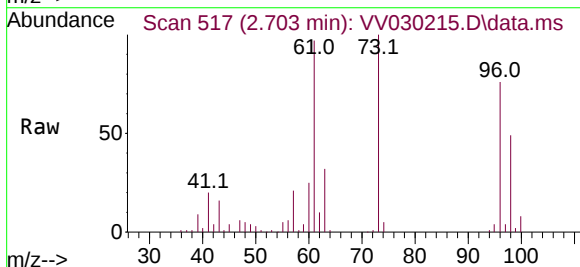
Tgt Ion: 96 Resp: 57059

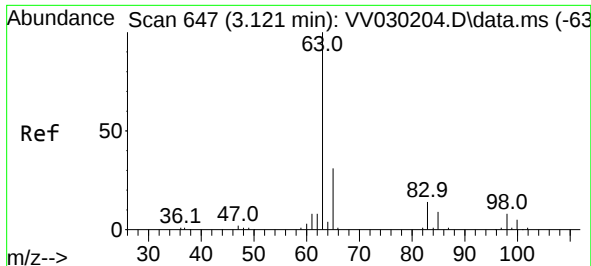
Ion Ratio Lower Upper

96 100

61 128.3 91.0 169.0

98 65.0 45.2 84.0





#19

1,1-Dichloroethane

Concen: 4.969 ug/L

RT: 3.121 min Scan# 64

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005303

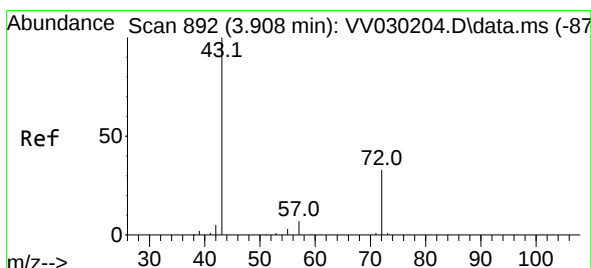
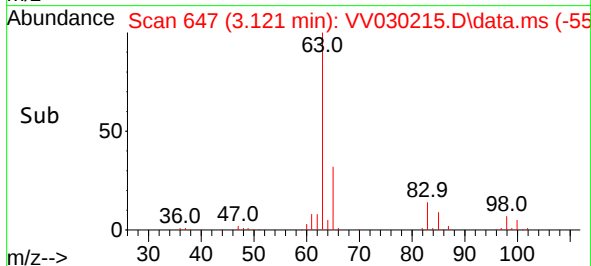
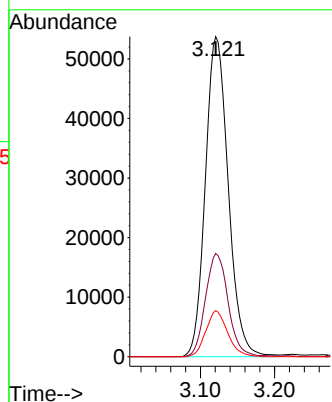
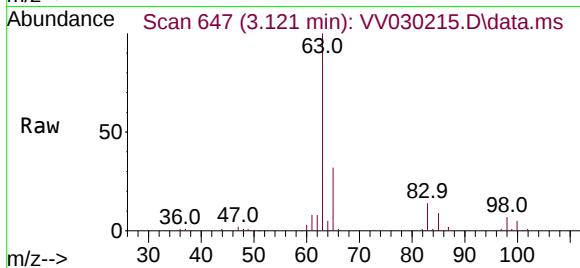
Tgt Ion: 63 Resp: 115186

Ion Ratio Lower Upper

63 100

65 32.2 23.0 42.8

83 14.4 9.6 17.8



#21

2-Butanone

Concen: 48.922 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.010 min

Lab File: VV030215.D

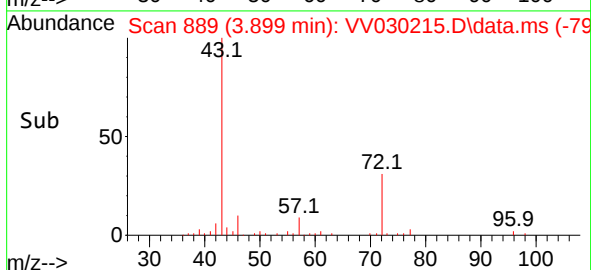
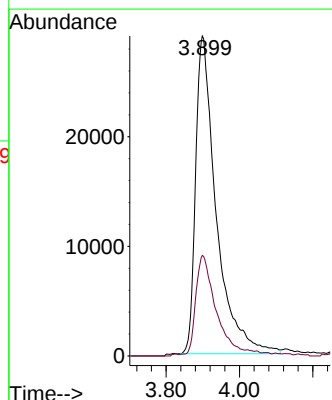
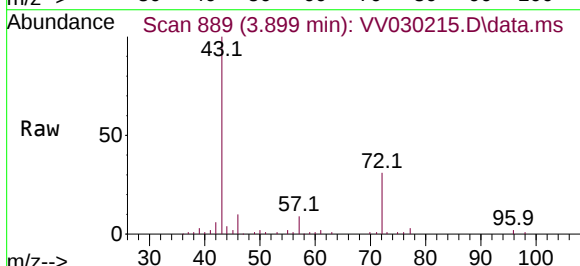
Acq: 15 Mar 2023 16:37

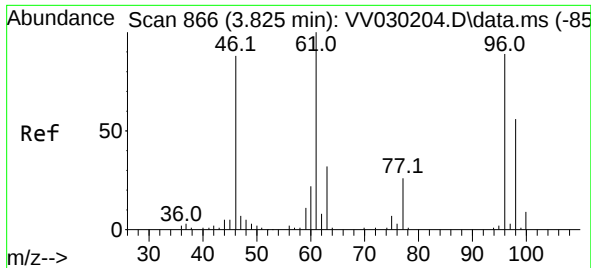
Tgt Ion: 43 Resp: 113081

Ion Ratio Lower Upper

43 100

72 29.5 15.1 45.3

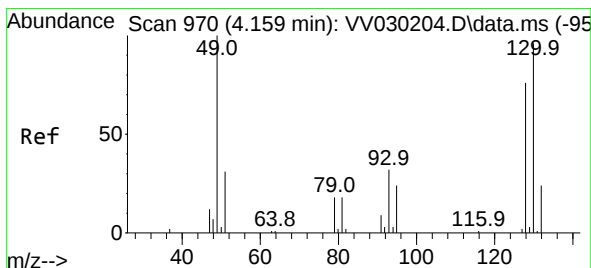
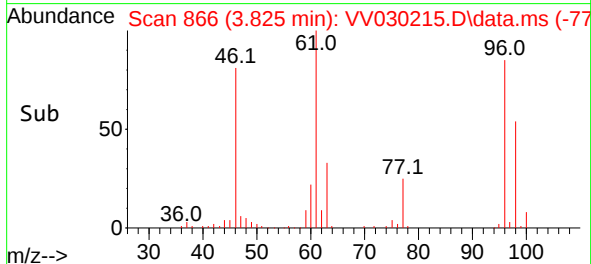
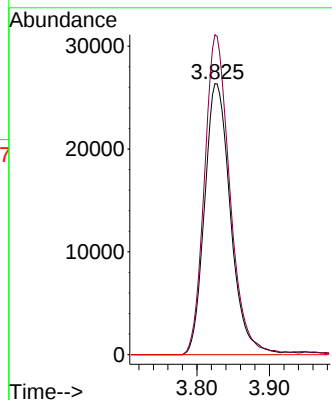
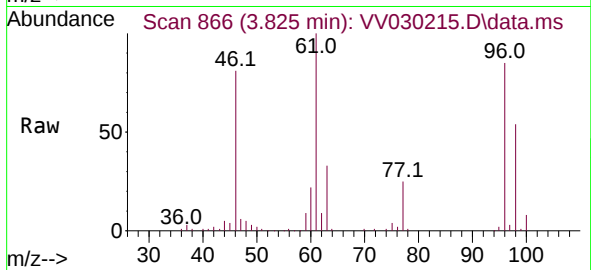




#22
 cis-1,2-Dichloroethene
 Concen: 4.766 ug/L
 RT: 3.825 min Scan# 866
 Delta R.T. -0.000 min
 Lab File: VV030215.D
 Acq: 15 Mar 2023 16:37

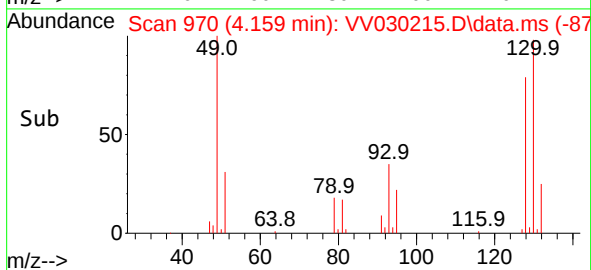
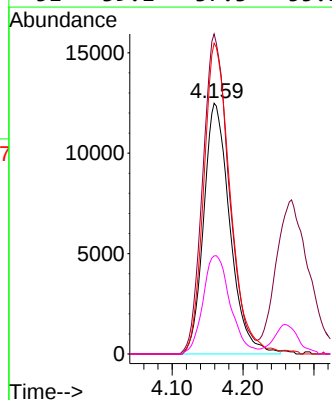
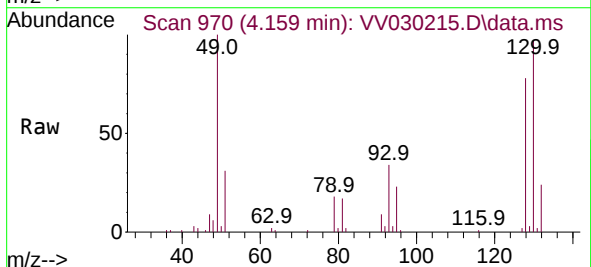
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005303

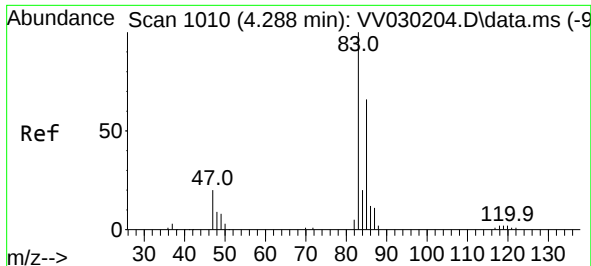
Tgt Ion: 96 Resp: 65553
 Ion Ratio Lower Upper
 96 100
 61 118.1 83.4 154.8
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 5.452 ug/L
 RT: 4.159 min Scan# 970
 Delta R.T. -0.000 min
 Lab File: VV030215.D
 Acq: 15 Mar 2023 16:37

Tgt Ion: 128 Resp: 32045
 Ion Ratio Lower Upper
 128 100
 49 127.6 99.5 184.9
 130 123.9 90.5 168.1
 51 39.1 37.3 55.9

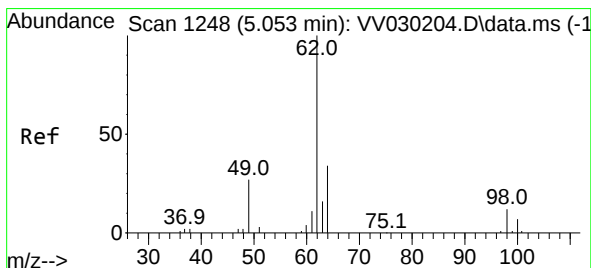
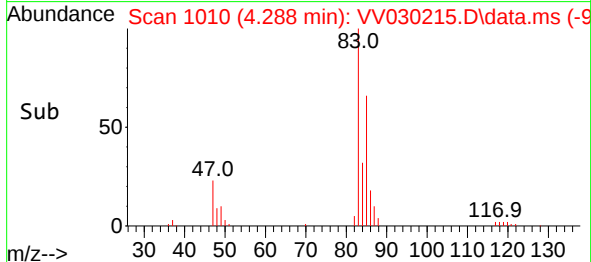
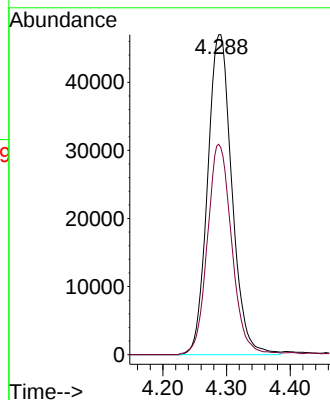
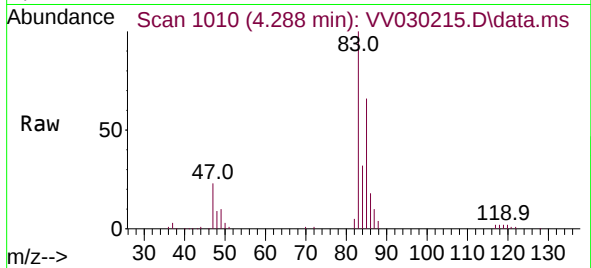




#25
Chloroform
Concen: 5.170 ug/L
RT: 4.288 min Scan# 1010
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

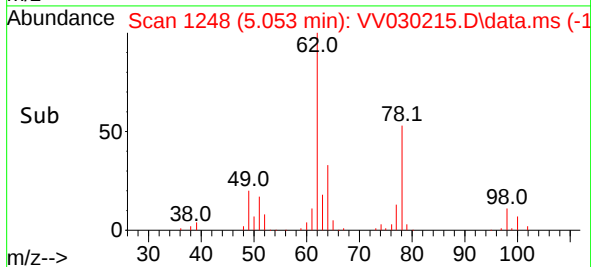
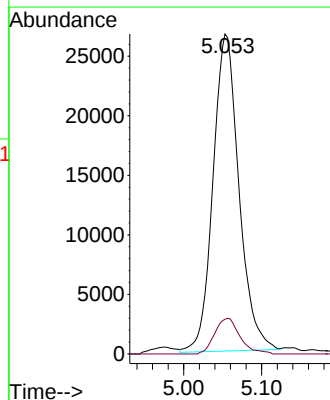
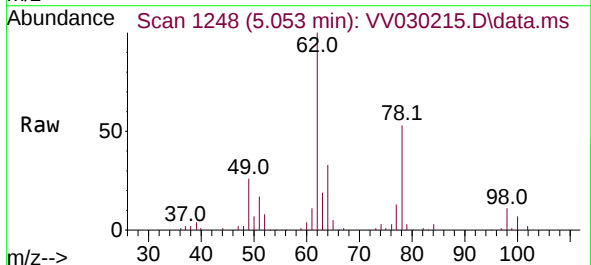
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

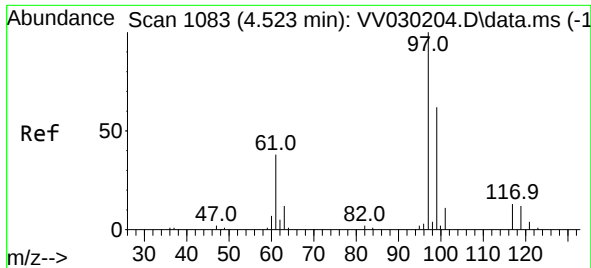
Tgt Ion: 83 Resp: 124662
Ion Ratio Lower Upper
83 100
85 65.7 46.5 86.5



#27
1,2-Dichloroethane
Concen: 4.885 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion: 62 Resp: 61618
Ion Ratio Lower Upper
62 100
98 10.9 9.0 13.4

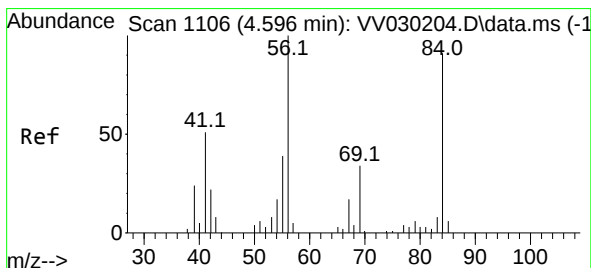
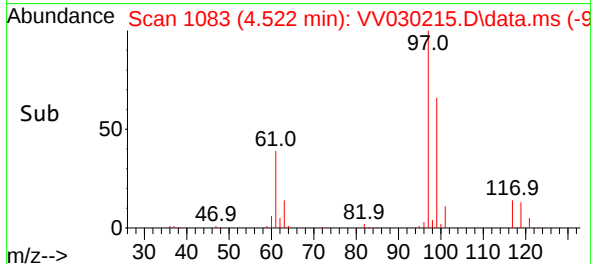
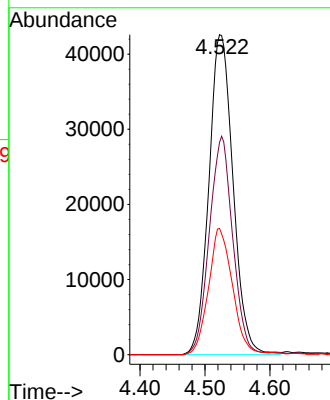
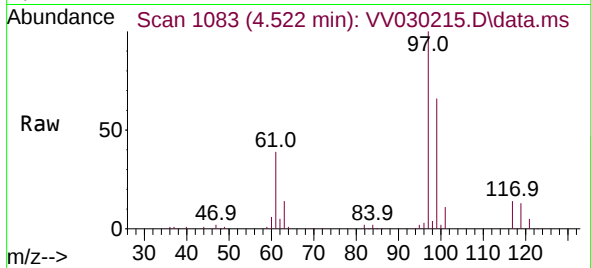




#29
1,1,1-Trichloroethane
Concen: 4.931 ug/L
RT: 4.522 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

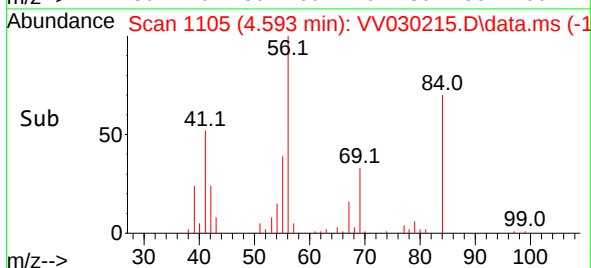
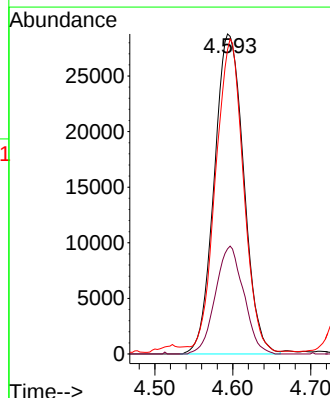
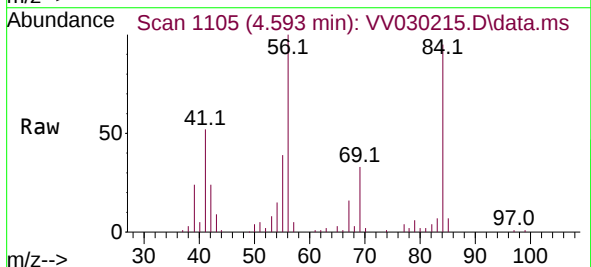
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

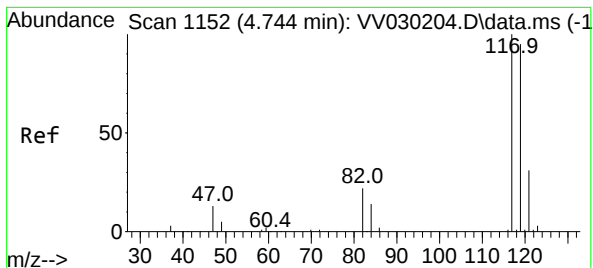
Tgt Ion:	97	Resp:	110196
Ion	Ratio	Lower	Upper
97	100		
99	66.2	51.3	76.9
61	39.0	31.5	47.3



#30
Cyclohexane
Concen: 3.911 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion:	56	Resp:	75515
Ion	Ratio	Lower	Upper
56	100		
69	32.4	25.1	37.7
84	92.0	74.6	111.8





#31

Carbon tetrachloride

Concen: 4.847 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

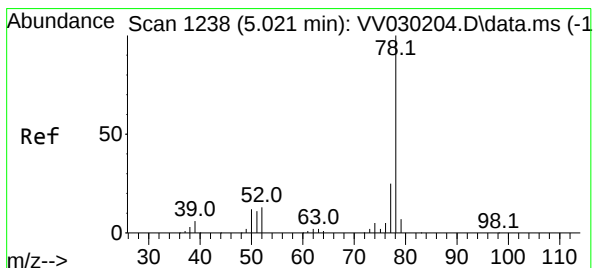
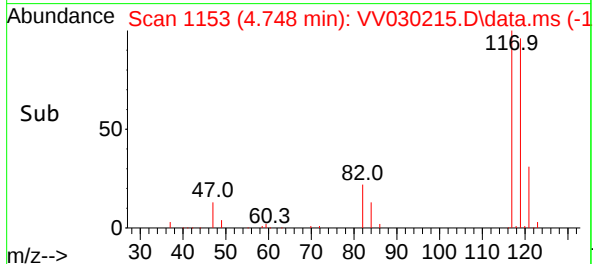
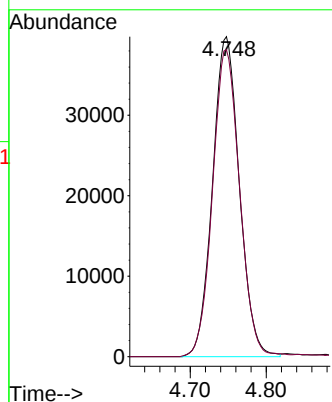
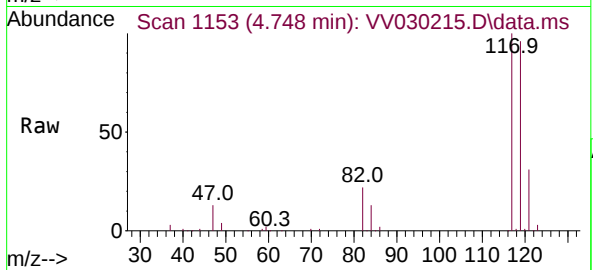
VSTD005303

Tgt Ion:117 Resp: 97352

Ion Ratio Lower Upper

117 100

119 97.0 76.1 114.1



#33

Benzene

Concen: 4.705 ug/L

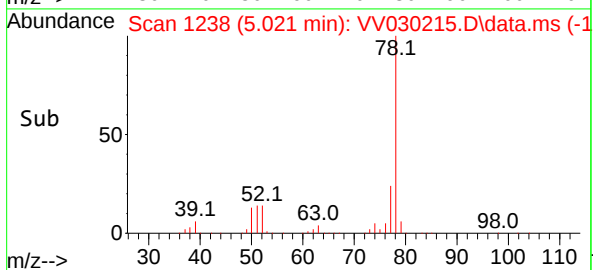
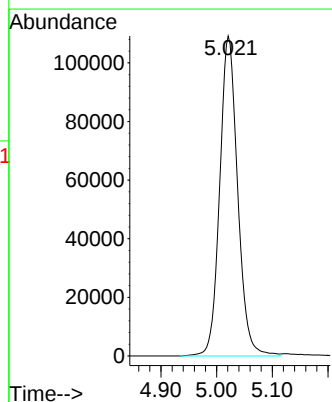
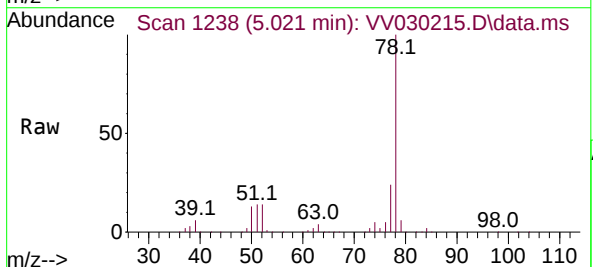
RT: 5.021 min Scan# 1238

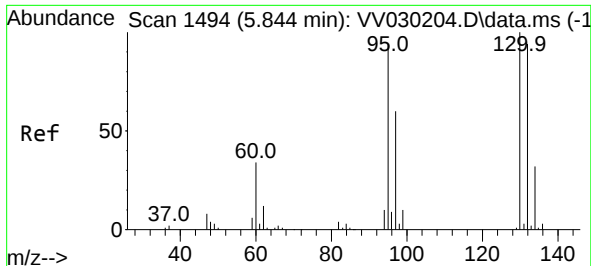
Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Tgt Ion: 78 Resp: 244444



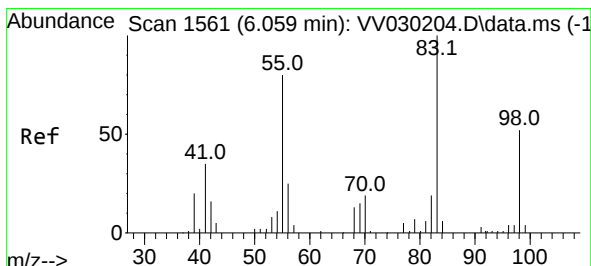
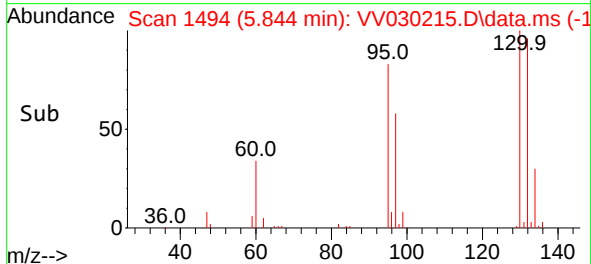
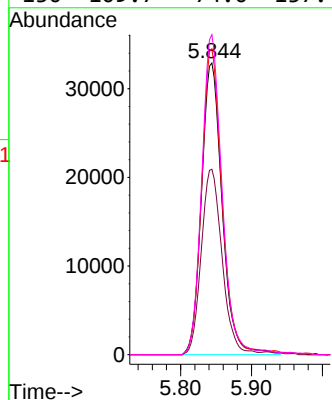
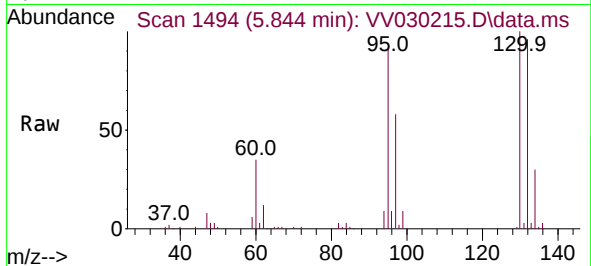


#34
Trichloroethene
Concen: 4.586 ug/L
RT: 5.844 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

Tgt Ion: 95 Resp: 66755

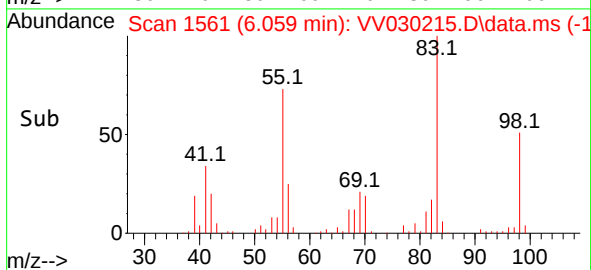
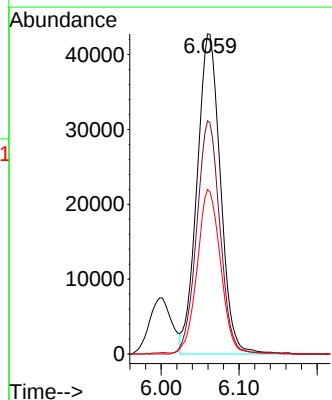
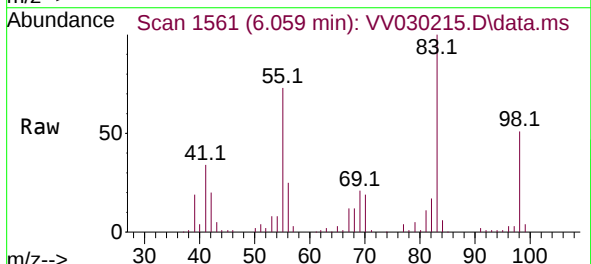
Ion	Ratio	Lower	Upper
95	100		
97	63.6	46.5	86.5
132	104.9	71.7	133.3
130	109.7	74.0	137.4

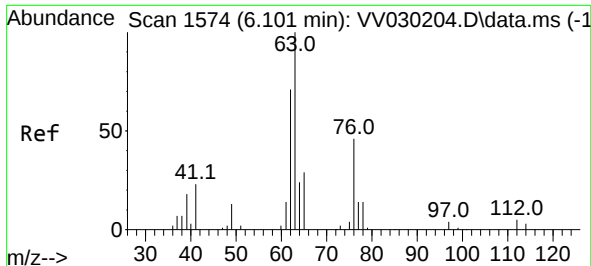


#35
Methylcyclohexane
Concen: 4.044 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion: 83 Resp: 89100

Ion	Ratio	Lower	Upper
83	100		
55	72.1	57.6	86.4
98	50.4	38.8	58.2





#37

1,2-Dichloropropane

Concen: 4.911 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

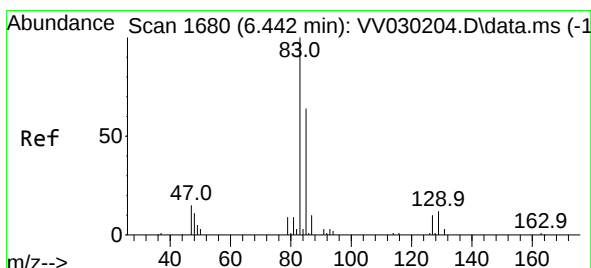
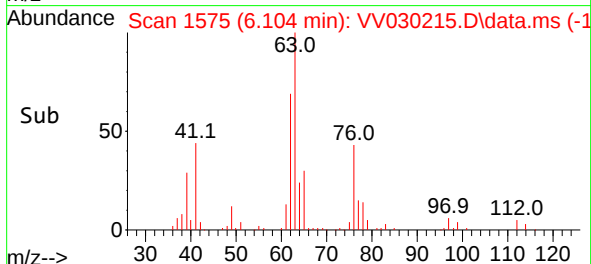
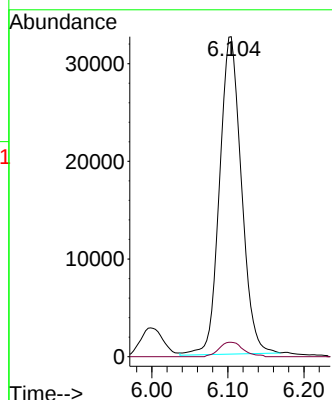
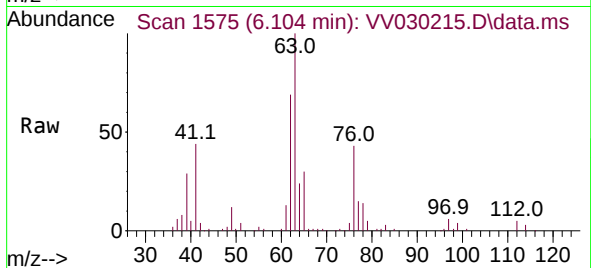
VSTD005303

Tgt Ion: 63 Resp: 64909

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 5.049 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

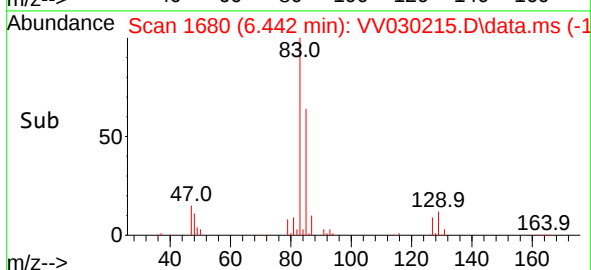
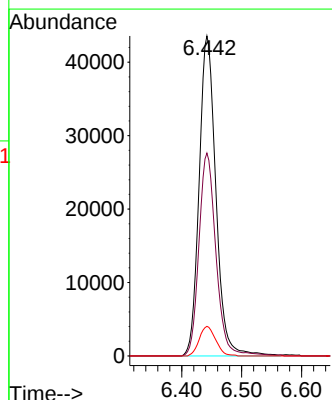
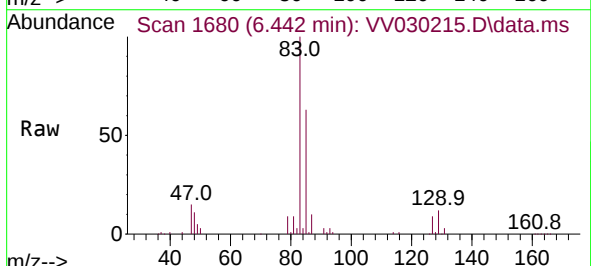
Tgt Ion: 83 Resp: 85188

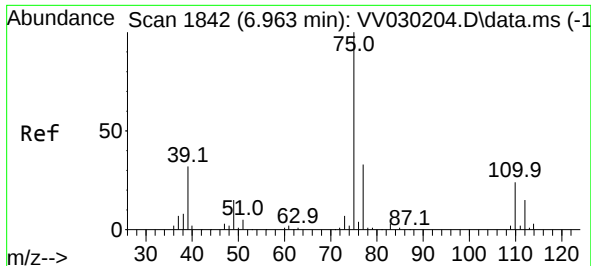
Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3

127 9.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.493 ug/L

RT: 6.963 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

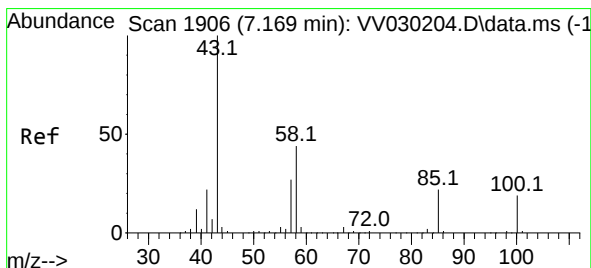
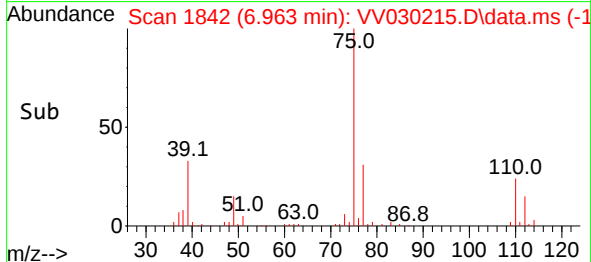
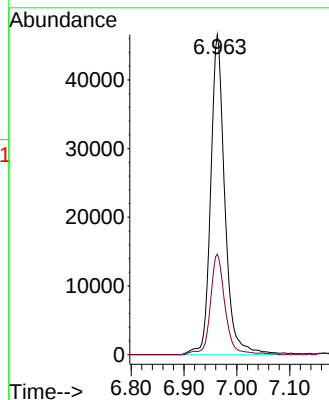
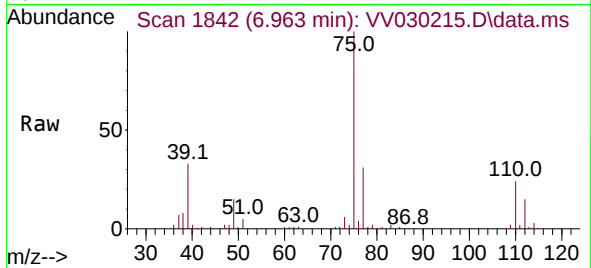
VSTD005303

Tgt Ion: 75 Resp: 86927

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 50.045 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

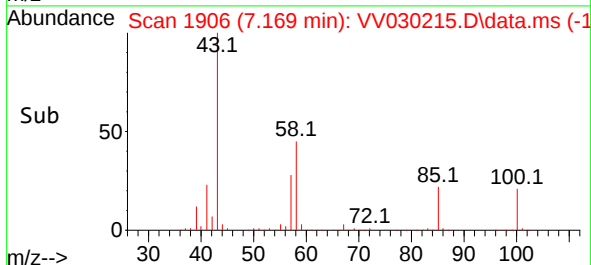
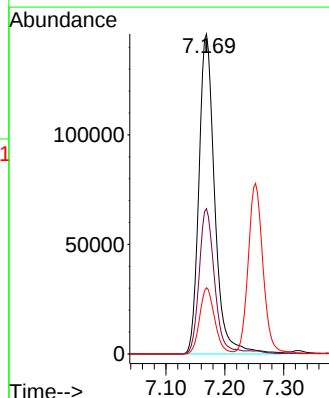
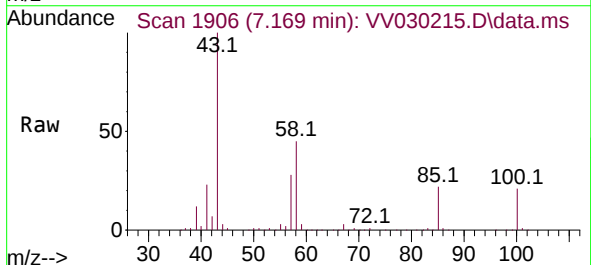
Tgt Ion: 43 Resp: 272936

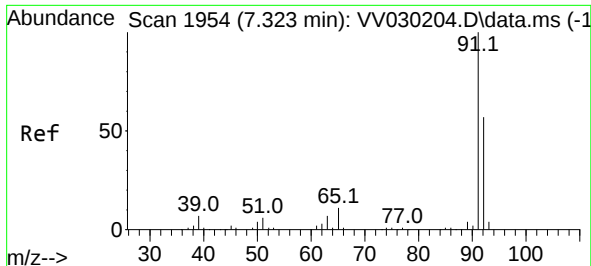
Ion Ratio Lower Upper

43 100

58 44.4 35.3 52.9

100 19.7 14.7 22.1





#42

Toluene

Concen: 4.914 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

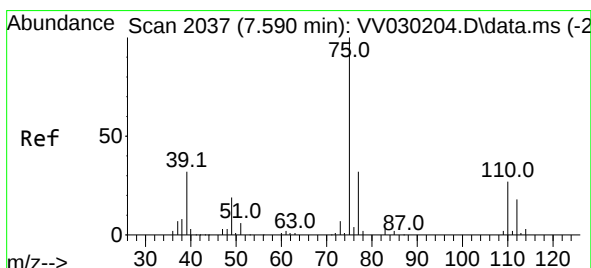
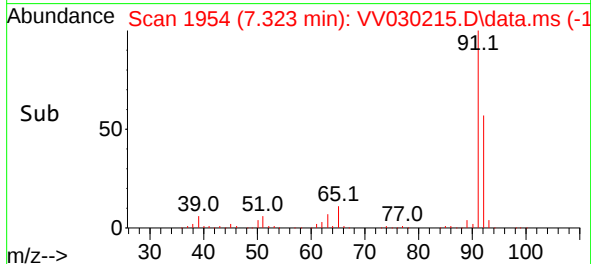
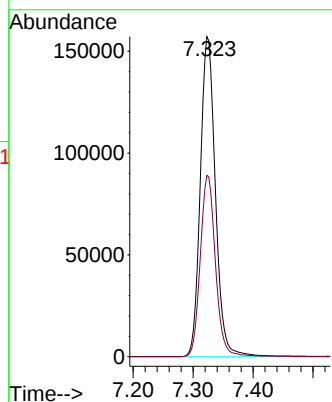
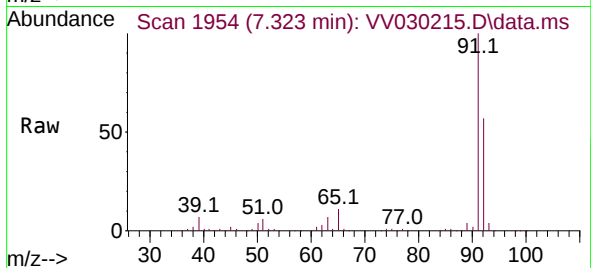
VSTD005303

Tgt Ion: 91 Resp: 276493

Ion Ratio Lower Upper

91 100

92 56.6 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 4.806 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. -0.000 min

Lab File: VV030215.D

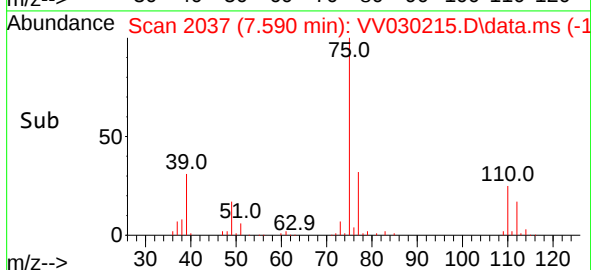
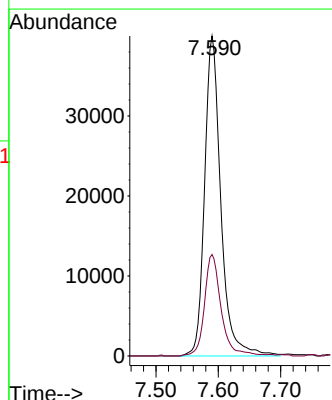
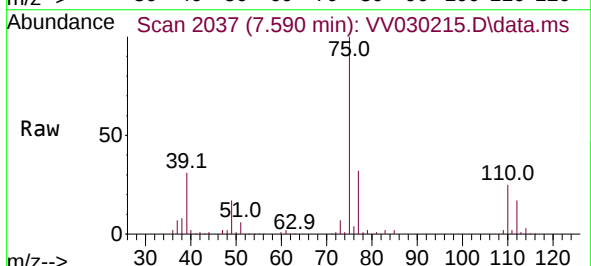
Acq: 15 Mar 2023 16:37

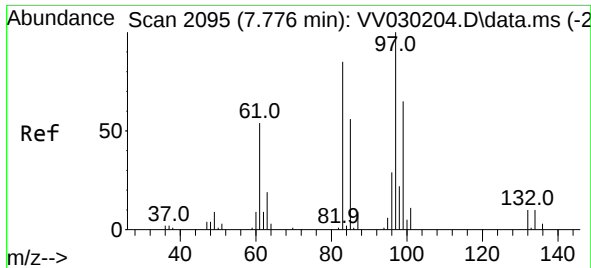
Tgt Ion: 75 Resp: 72589

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1

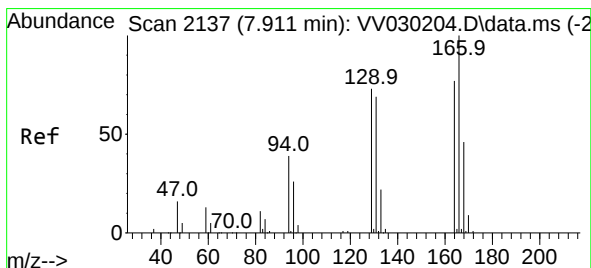
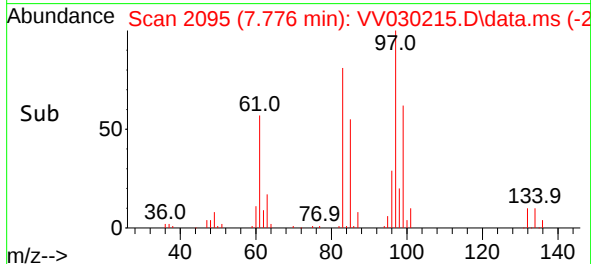
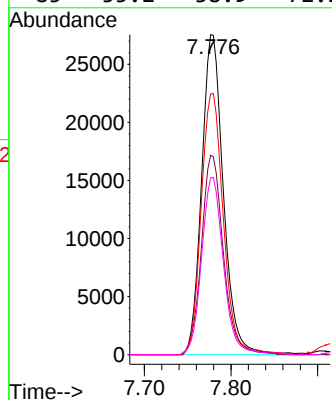
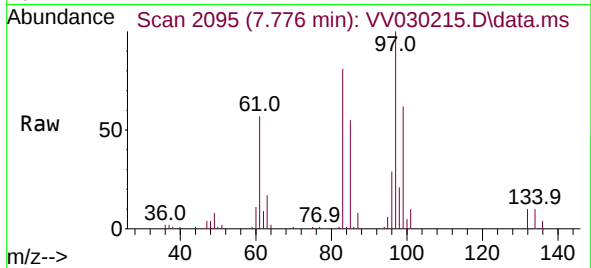




#45
1,1,2-Trichloroethane
Concen: 5.069 ug/L
RT: 7.776 min Scan# 2095
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

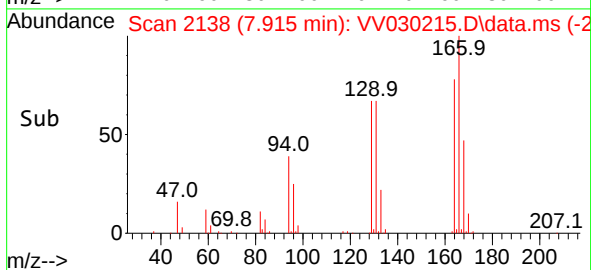
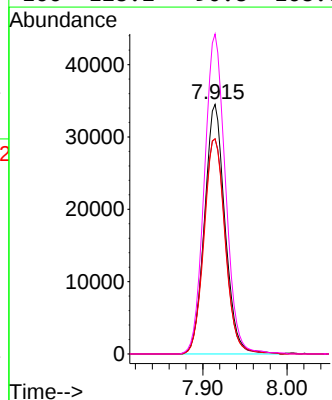
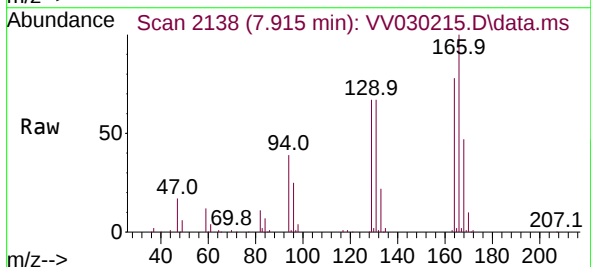
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

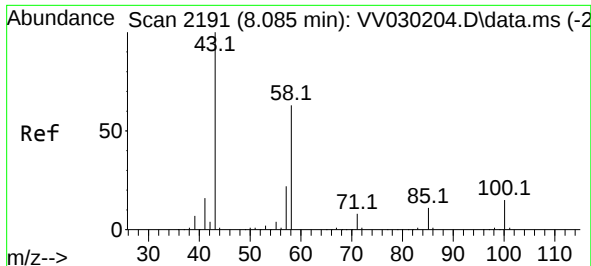
Tgt Ion:	97	Resp:	47940
Ion	Ratio	Lower	Upper
97	100		
99	62.3	42.6	79.2
83	81.5	57.7	107.3
85	55.2	38.9	72.2



#47
Tetrachloroethene
Concen: 4.674 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion:	164	Resp:	58409
Ion	Ratio	Lower	Upper
164	100		
129	86.2	63.6	118.2
131	86.2	61.7	114.7
166	128.2	90.8	168.6



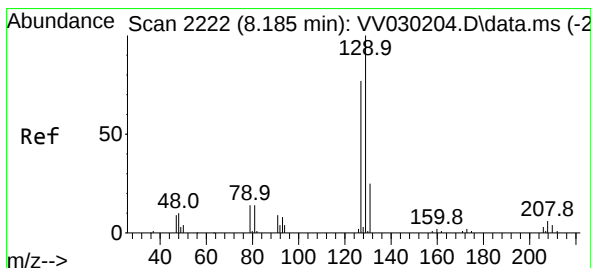
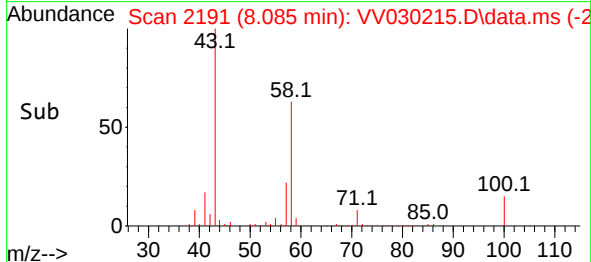
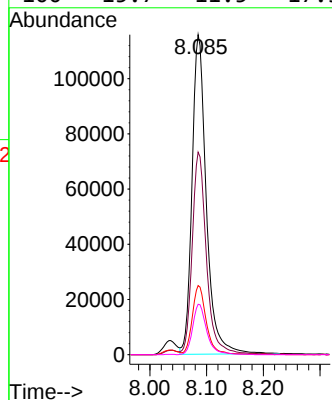
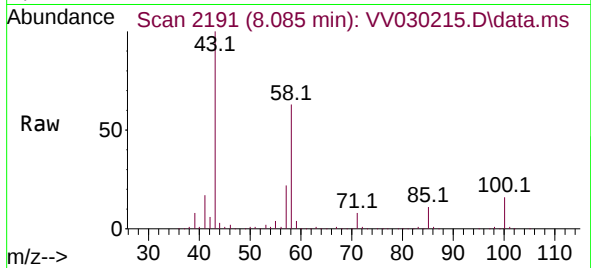


#48
2-Hexanone
Concen: 51.860 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

Tgt Ion: 43 Resp: 202480

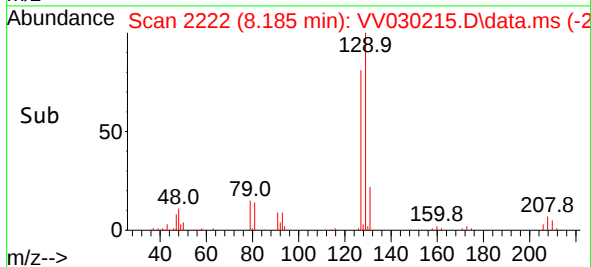
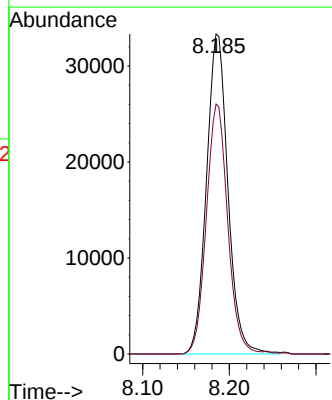
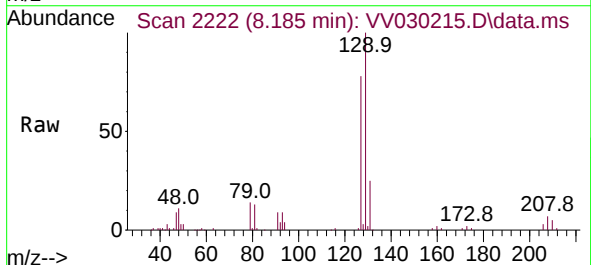
Ion	Ratio	Lower	Upper
43	100		
58	62.5	49.8	74.8
57	20.9	16.6	24.8
100	15.7	11.5	17.3

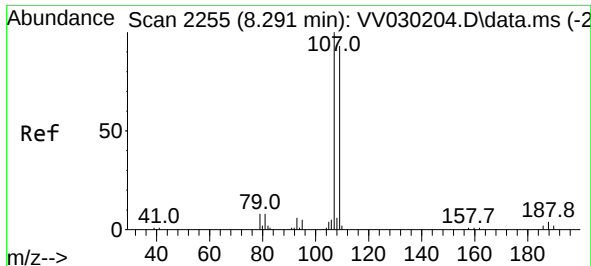


#49
Dibromochloromethane
Concen: 5.184 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion: 129 Resp: 57370

Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.7	101.5

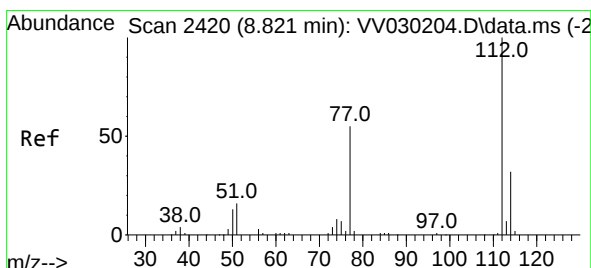
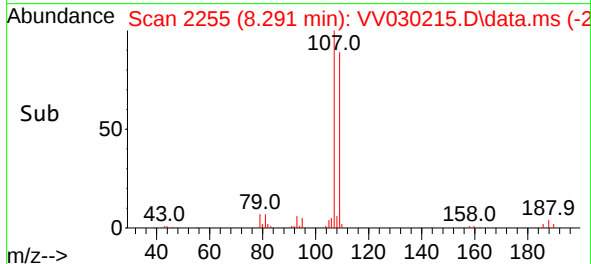
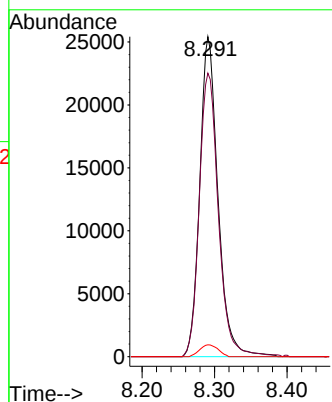
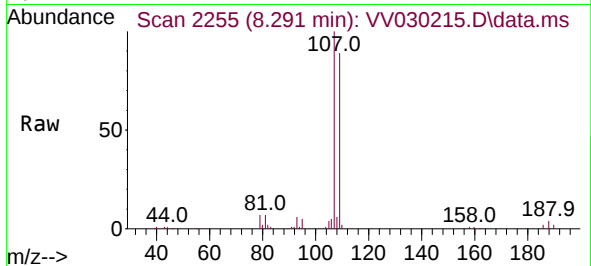




#50
1,2-Dibromoethane
Concen: 5.029 ug/L
RT: 8.291 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

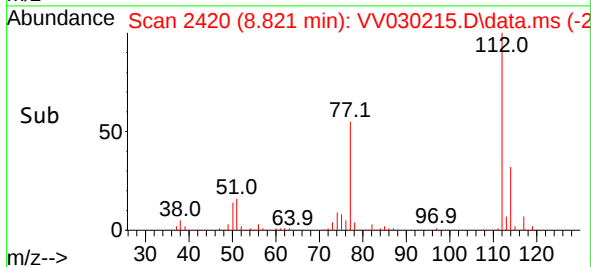
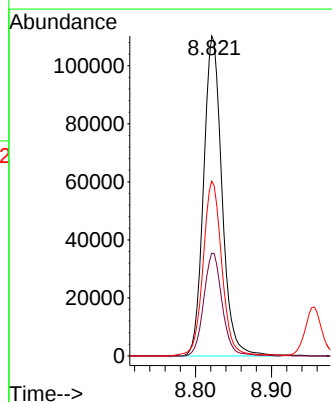
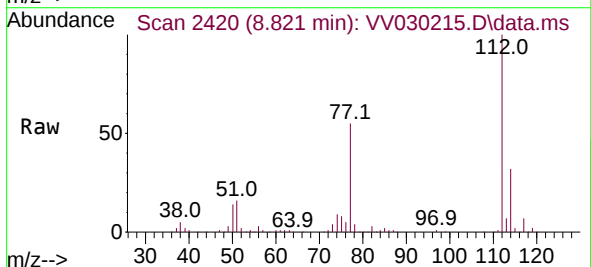
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

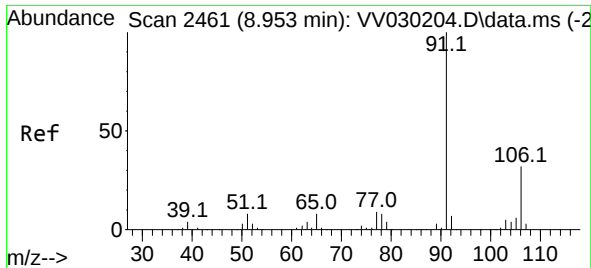
Tgt Ion:	107	Resp:	44372
Ion	Ratio	Lower	Upper
107	100		
109	88.6	63.3	117.7
188	3.7	3.0	4.6



#51
Chlorobenzene
Concen: 4.892 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion:	112	Resp:	185624
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	54.6	45.3	67.9





#52

Ethylbenzene

Concen: 4.743 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

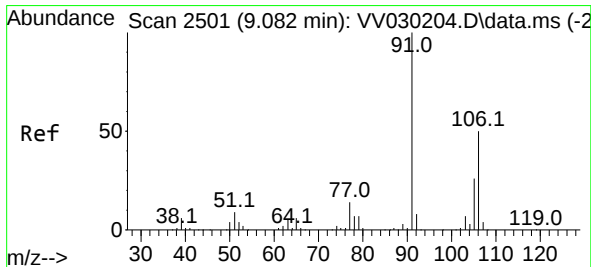
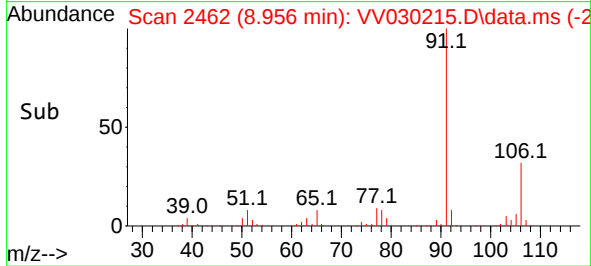
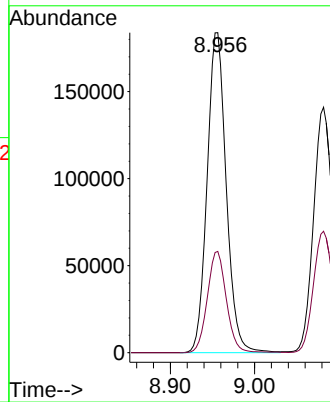
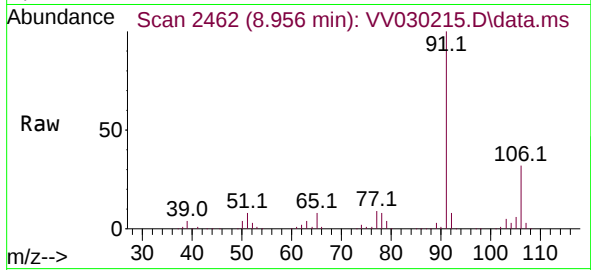
VSTD005303

Tgt Ion: 91 Resp: 290421

Ion Ratio Lower Upper

91 100

106 31.7 22.0 40.8



#53

m,p-Xylene

Concen: 4.874 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. -0.000 min

Lab File: VV030215.D

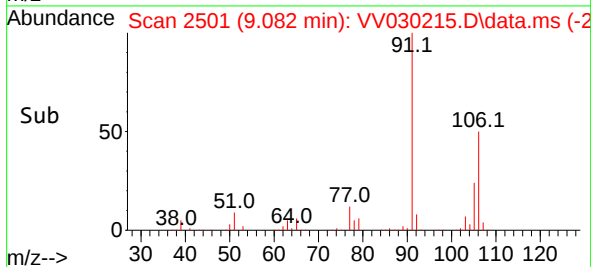
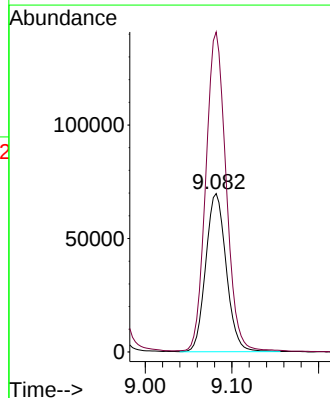
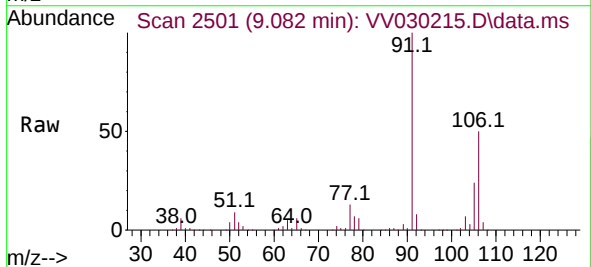
Acq: 15 Mar 2023 16:37

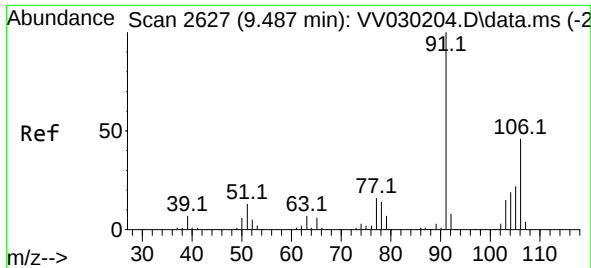
Tgt Ion: 106 Resp: 114703

Ion Ratio Lower Upper

106 100

91 201.9 142.5 264.7

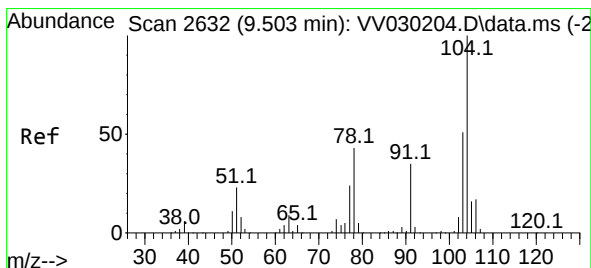
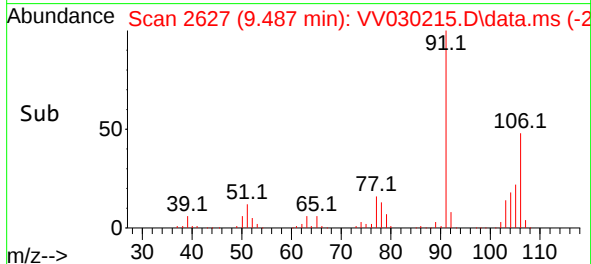
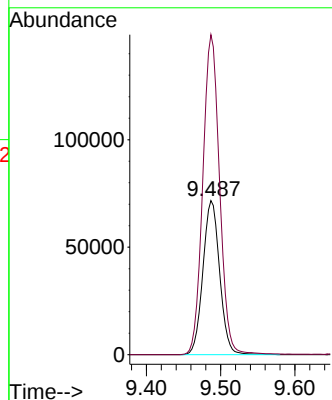
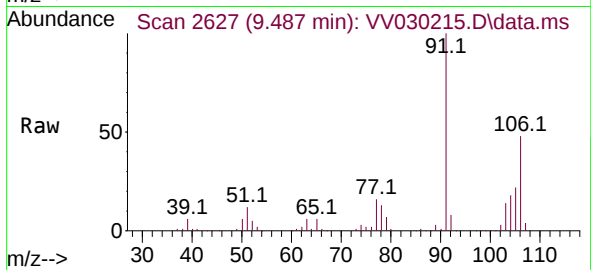




#54
o-Xylene
Concen: 4.995 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

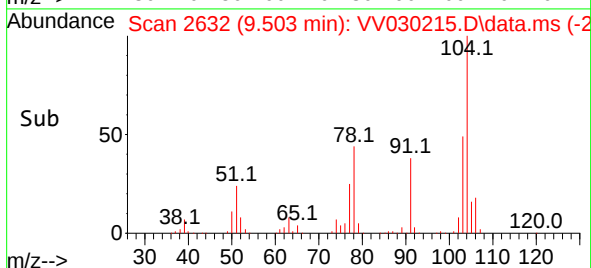
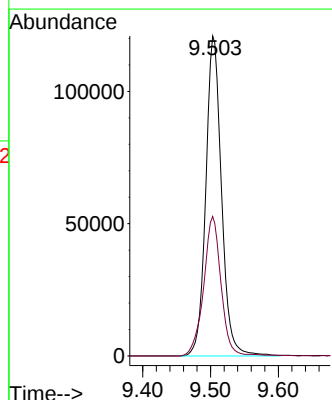
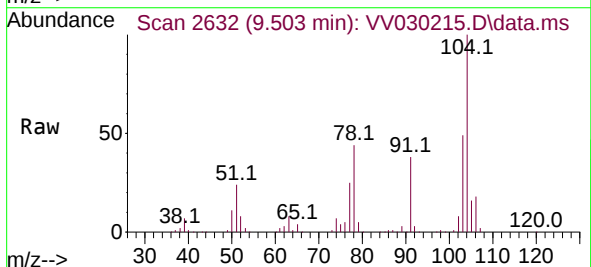
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

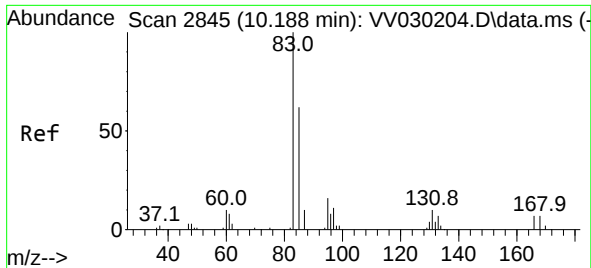
Tgt Ion:106 Resp: 112289
Ion Ratio Lower Upper
106 100
91 207.6 148.8 276.4



#55
Styrene
Concen: 5.220 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion:104 Resp: 195144
Ion Ratio Lower Upper
104 100
78 43.6 31.1 57.9

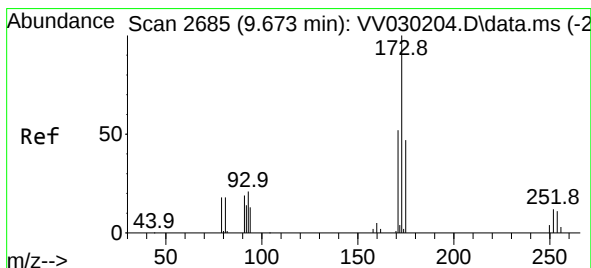
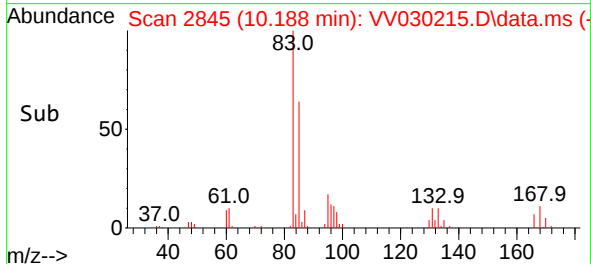
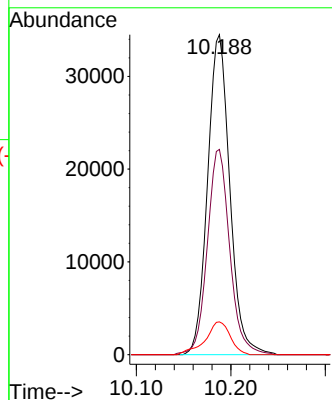
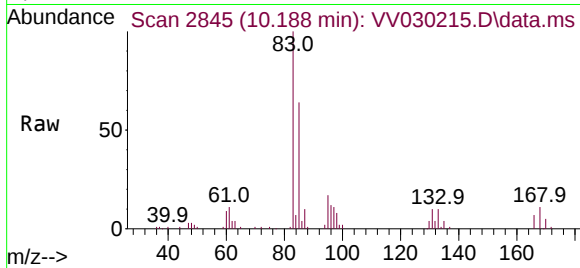




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.317 ug/L
 RT: 10.188 min Scan# 2845
 Delta R.T. -0.000 min
 Lab File: VV030215.D
 Acq: 15 Mar 2023 16:37

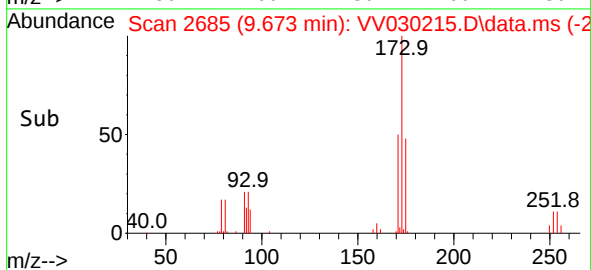
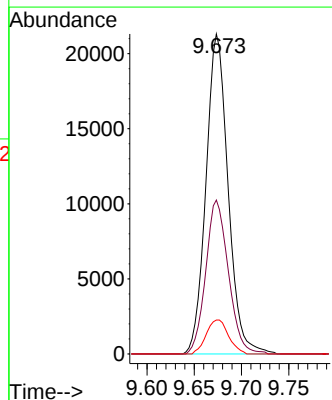
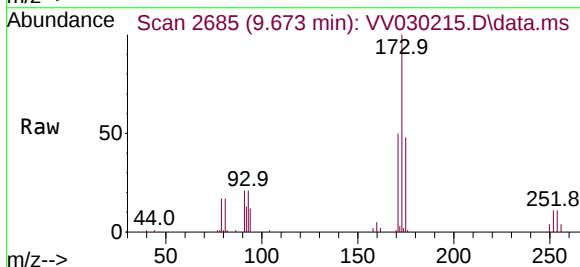
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005303

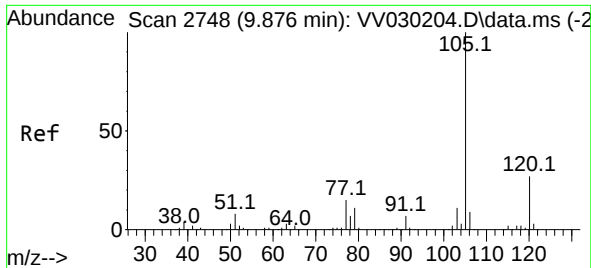
Tgt Ion:	83	Resp:	56244
Ion	Ratio	Lower	Upper
83	100		
85	64.1	45.0	83.6
131	10.2	8.2	12.4



#59
 Bromoform
 Concen: 4.850 ug/L
 RT: 9.673 min Scan# 2685
 Delta R.T. -0.000 min
 Lab File: VV030215.D
 Acq: 15 Mar 2023 16:37

Tgt Ion:	173	Resp:	34693
Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.5	57.7
254	10.7	8.6	13.0

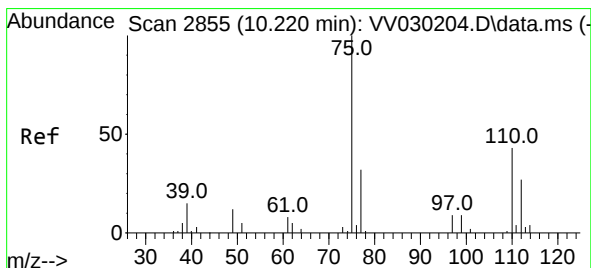
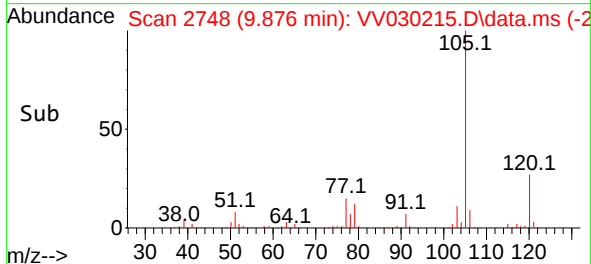
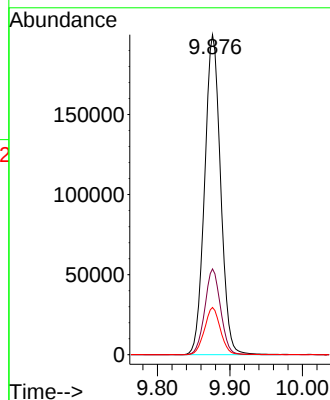
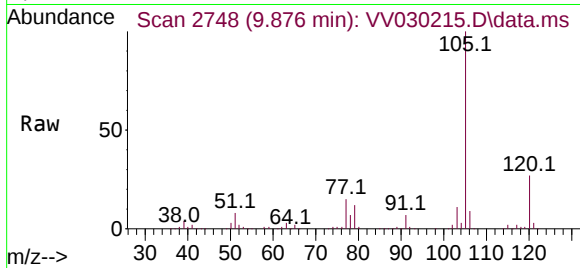




#60
Isopropylbenzene
Concen: 4.451 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

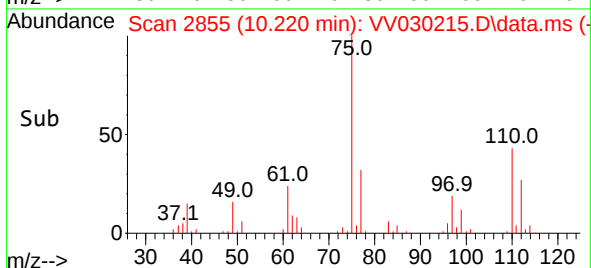
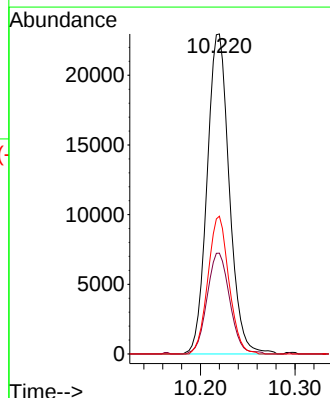
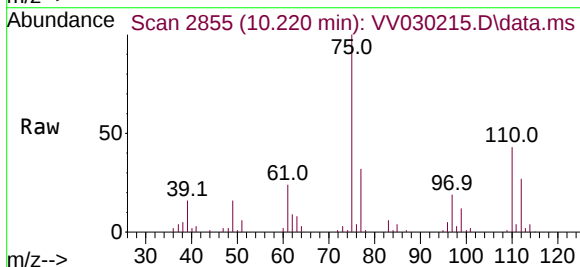
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

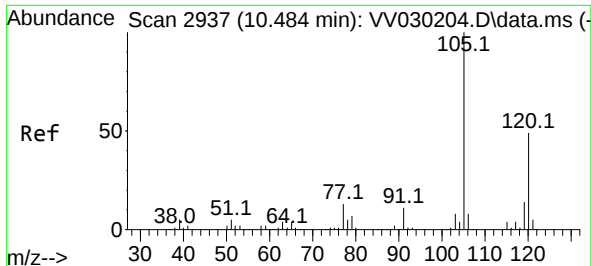
Tgt Ion:105 Resp: 305679
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 14.8 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 4.688 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion: 75 Resp: 37449
Ion Ratio Lower Upper
75 100
77 32.2 26.5 39.7
110 40.8 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.324 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

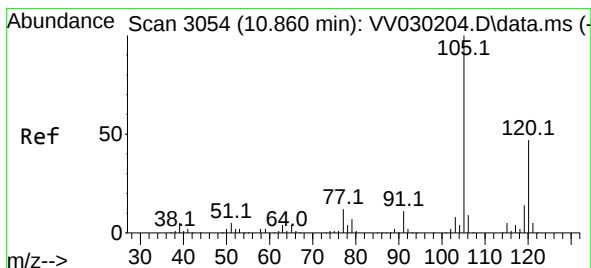
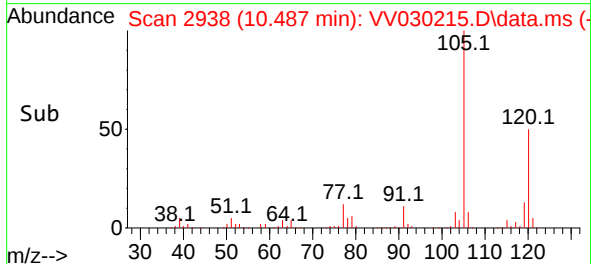
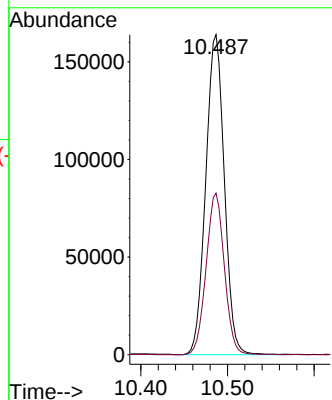
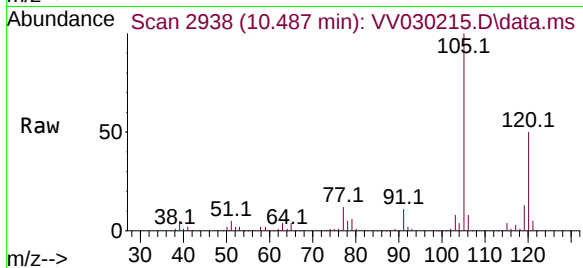
VSTD005303

Tgt Ion:105 Resp: 243908

Ion Ratio Lower Upper

105 100

120 49.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 4.474 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030215.D

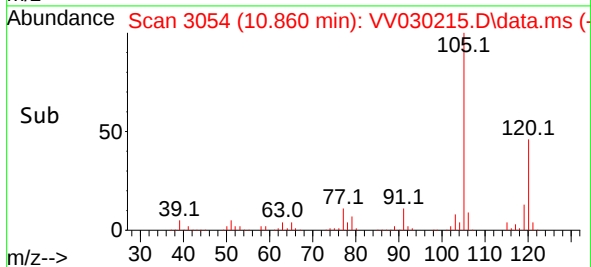
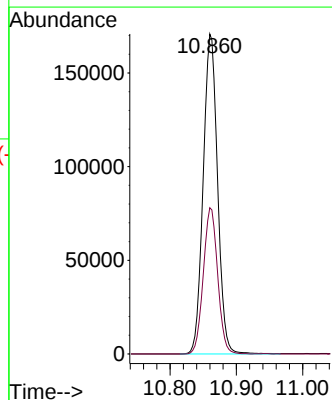
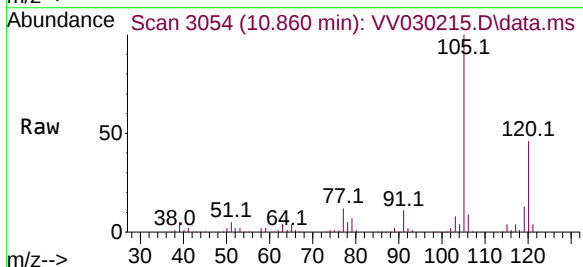
Acq: 15 Mar 2023 16:37

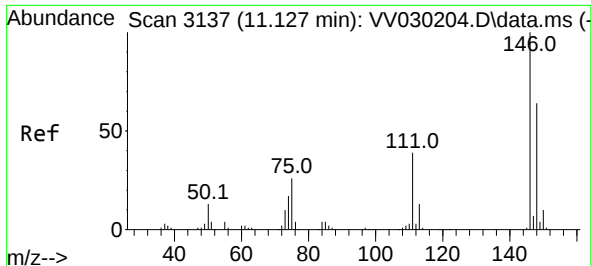
Tgt Ion:105 Resp: 258149

Ion Ratio Lower Upper

105 100

120 45.5 36.2 54.4

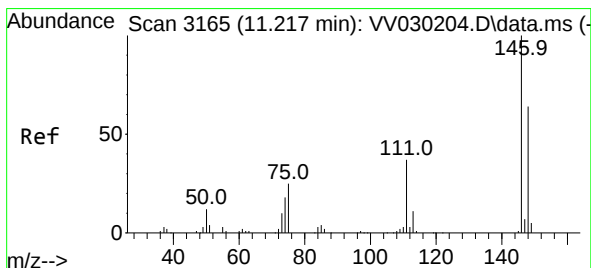
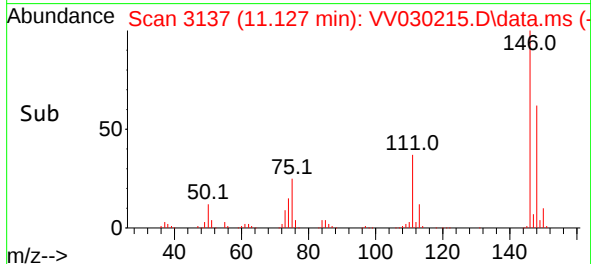
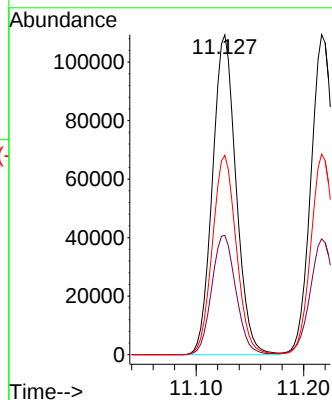
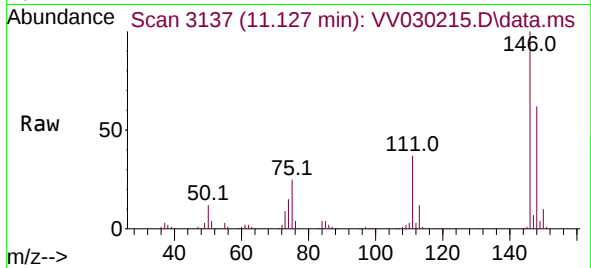




#64
1,3-Dichlorobenzene
Concen: 4.665 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

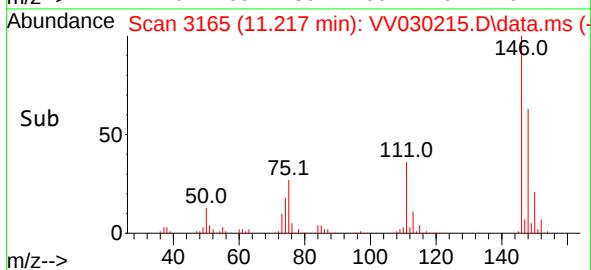
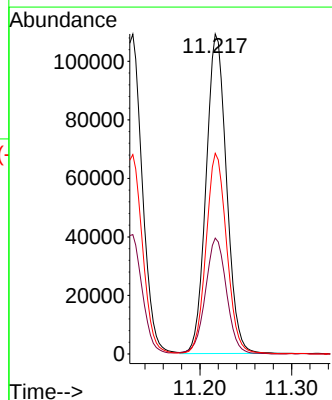
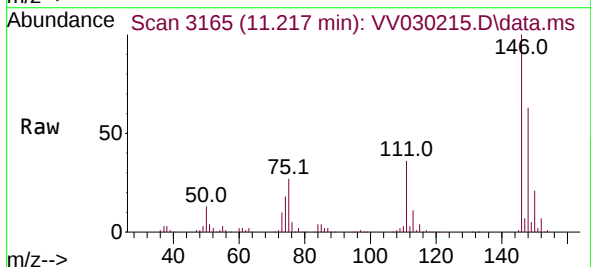
Instrument :
MSVOA_V
ClientSampleId :
VSTD005303

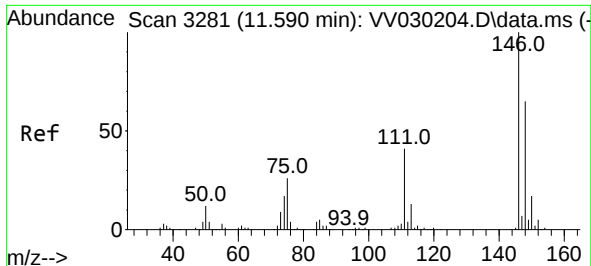
Tgt Ion:146 Resp: 166806
Ion Ratio Lower Upper
146 100
111 37.3 27.7 51.5
148 62.4 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 4.692 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030215.D
Acq: 15 Mar 2023 16:37

Tgt Ion:146 Resp: 169274
Ion Ratio Lower Upper
146 100
111 36.2 27.4 51.0
148 62.7 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 4.800 ug/L

RT: 11.590 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005303

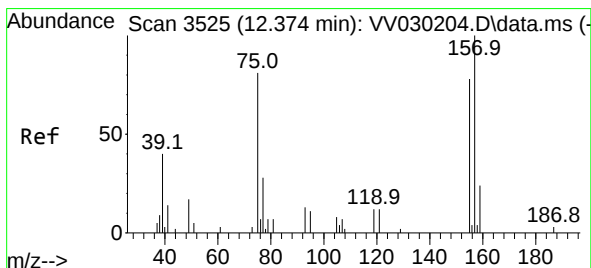
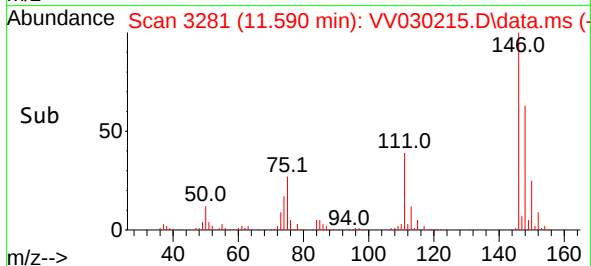
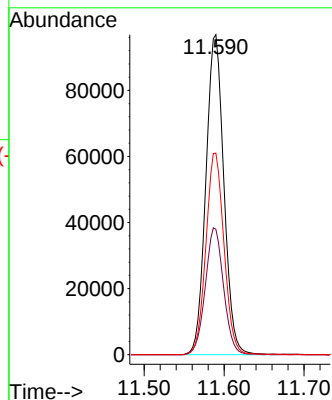
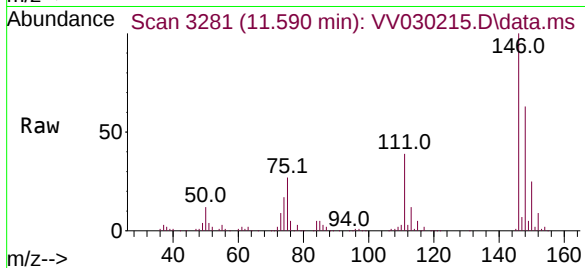
Tgt Ion:146 Resp: 151549

Ion Ratio Lower Upper

146 100

111 39.2 33.5 50.3

148 63.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.430 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

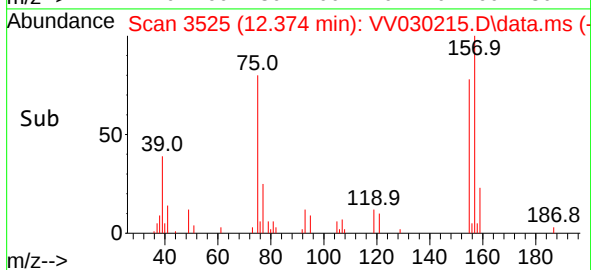
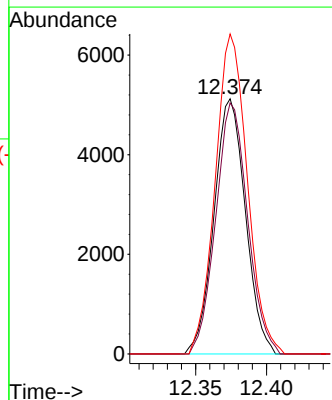
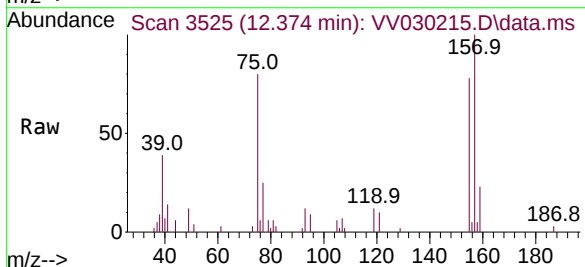
Tgt Ion: 75 Resp: 7903

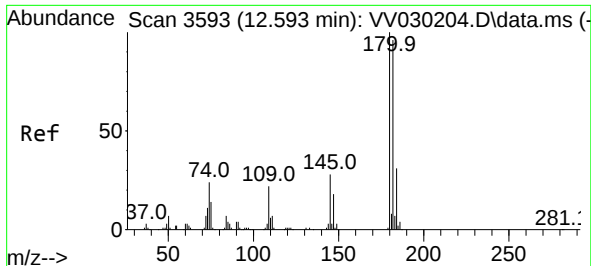
Ion Ratio Lower Upper

75 100

155 98.4 79.1 118.7

157 125.4 95.5 143.3

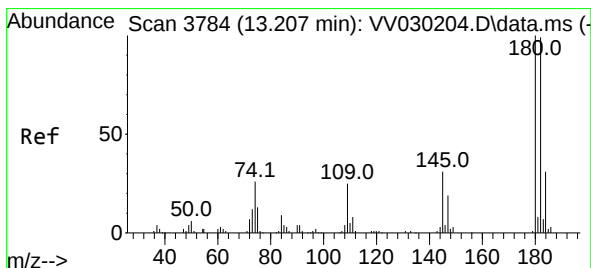
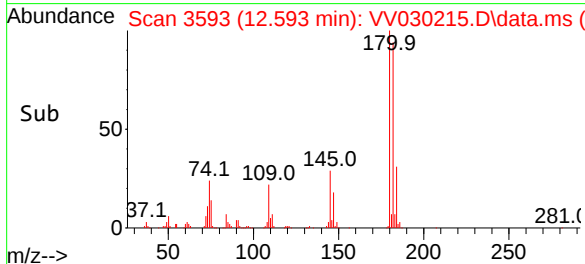
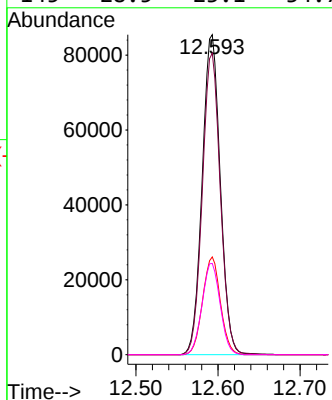
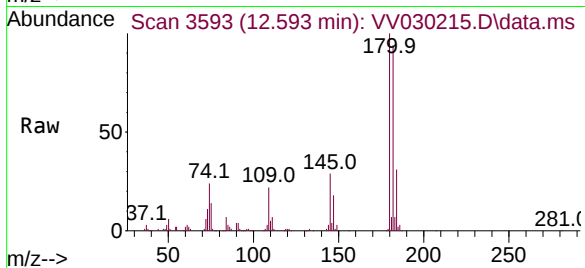




#69
 1,3,5-Trichlorobenzene
 Concen: 4.448 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. -0.000 min
 Lab File: VV030215.D
 Acq: 15 Mar 2023 16:37

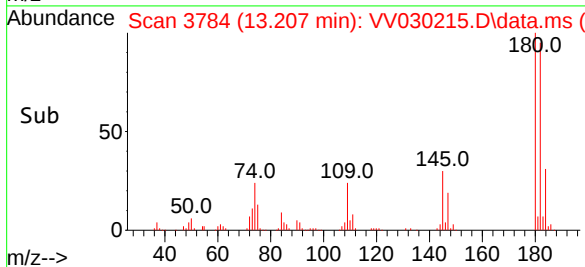
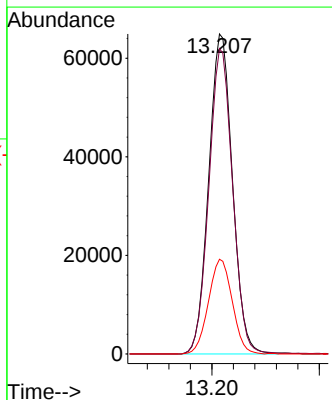
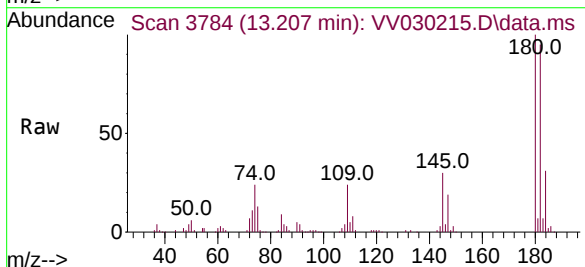
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005303

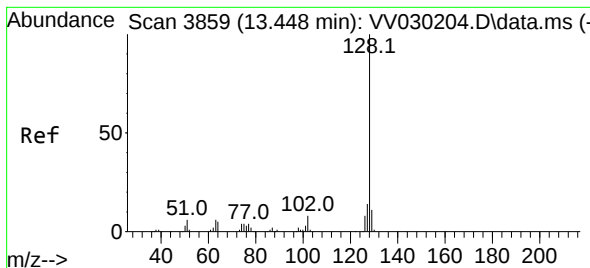
Tgt Ion:180	Resp:	130739
Ion Ratio	Lower	Upper
180	100	
182	93.6	76.5 114.7
184	30.1	24.3 36.5
145	28.5	23.1 34.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.167 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV030215.D
 Acq: 15 Mar 2023 16:37

Tgt Ion:180	Resp:	99232
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.3 115.9
145	29.7	23.1 34.7





#71

Naphthalene

Concen: 4.007 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD005303

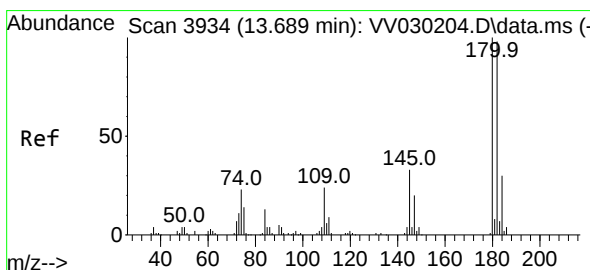
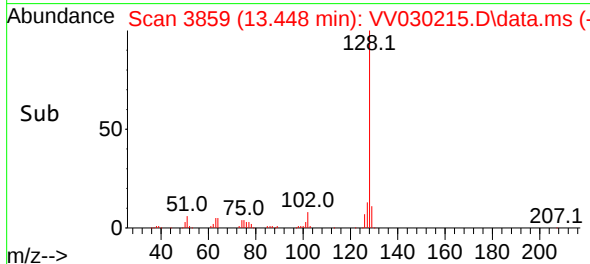
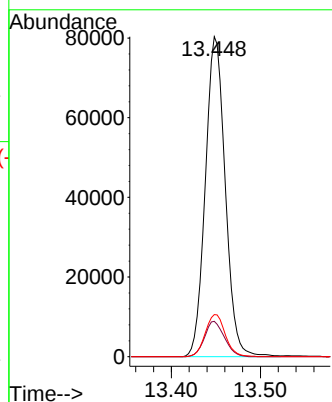
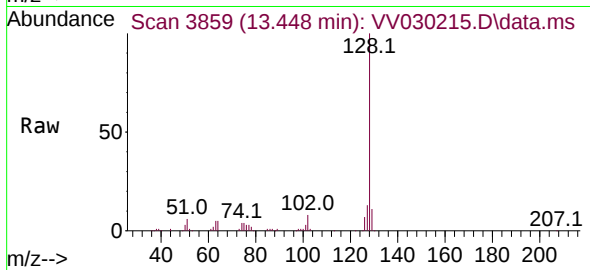
Tgt Ion:128 Resp: 124689

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

127 13.2 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 4.300 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030215.D

Acq: 15 Mar 2023 16:37

Tgt Ion:180 Resp: 84287

Ion Ratio Lower Upper

180 100

182 97.4 76.2 114.2

145 31.7 25.1 37.7

