

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011823\
 Data File : VW029890.D
 Acq On : 18 Jan 2023 10:48
 Operator : SY/MD
 Sample : VSTD01003
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

Quant Time: Jan 19 00:25:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 19 00:23:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	533006	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	520209	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	302964	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	33685	9.871	ug/L	0.00
7) Chloroethane-d5	1.564	69	29002	10.975	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.104	63	62600	11.585	ug/L	0.00
21) 2-Butanone-d5	3.879	46	37111	18.053	ug/L	0.01
24) Chloroform-d	4.339	84	65481	10.304	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.024	65	36609	10.138	ug/L	0.00
32) Benzene-d6	5.040	84	130956	9.367	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.059	67	40876	9.586	ug/L	0.00
41) Toluene-d8	7.307	98	117989	9.000	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.615	79	16423	7.786	ug/L	0.00
47) 2-Hexanone-d5	8.085	63	29735	16.204	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.204	84	62903	10.177	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.612	152	50575	8.805	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	38460	9.457	ug/L	99
3) Chloromethane	1.240	50	40423	8.851	ug/L	100
5) Vinyl chloride	1.310	62	45331	11.130	ug/L	98
6) Bromomethane	1.519	94	18545	11.618	ug/L	99
8) Chloroethane	1.580	64	28805	12.419	ug/L	98
9) Trichlorofluoromethane	1.751	101	62332	12.110	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	37495	12.854	ug/L	98
12) 1,1-Dichloroethene	2.114	96	36514	12.384	ug/L	95
13) Acetone	2.156	43	52835	34.529	ug/L	97
14) Carbon disulfide	2.288	76	91778	9.898	ug/L	99
15) Methyl Acetate	2.423	43	35185	11.653	ug/L	99
16) Methylene chloride	2.500	84	45306	12.503	ug/L	99
17) trans-1,2-Dichloroethene	2.754	96	37817	11.389	ug/L	96
18) Methyl tert-butyl Ether	2.760	73	114990	11.219	ug/L	100
19) 1,1-Dichloroethane	3.182	63	71195	12.322	ug/L	97
20) cis-1,2-Dichloroethene	3.902	96	42186	11.461	ug/L	98
22) 2-Butanone	3.960	43	51881	23.720	ug/L	98
23) Bromochloromethane	4.236	128	21988	11.550	ug/L	96
25) Chloroform	4.365	83	73741	12.317	ug/L	99
27) 1,2-Dichloroethane	5.120	62	49745	11.773	ug/L	99
29) Cyclohexane	4.667	56	54693	9.841	ug/L	100
30) 1,1,1-Trichloroethane	4.596	97	62722	11.019	ug/L	99
31) Carbon tetrachloride	4.815	117	53432	10.830	ug/L	100
33) Benzene	5.088	78	161659	10.934	ug/L	100
34) Trichloroethene	5.908	95	40728	11.075	ug/L	99
35) Methylcyclohexane	6.120	83	62841	10.101	ug/L	98
37) 1,2-Dichloropropane	6.162	63	43347	12.031	ug/L	99
38) Bromodichloromethane	6.500	83	55467	11.275	ug/L	99
39) cis-1,3-Dichloropropene	7.021	75	55270	9.628	ug/L	99
40) 4-Methyl-2-pentanone	7.220	43	90647	21.250	ug/L	96
42) Toluene	7.378	91	172665	10.875	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	51112	9.390	ug/L	100

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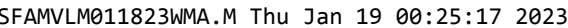
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

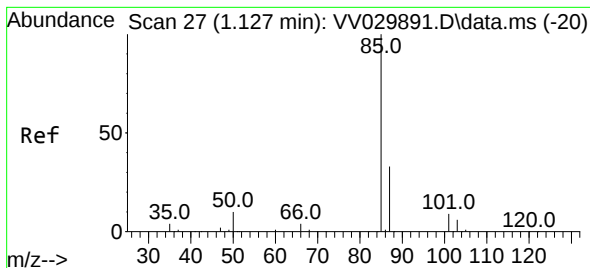
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 Quant Title : VOC Analysis
 QLast Update : Thu Jan 19 00:23:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.828	97	42355	11.409	ug/L	98
46) Tetrachloroethene	7.966	164	34188	11.529	ug/L	96
48) 2-Hexanone	8.133	43	74152	22.331	ug/L	94
49) Dibromochloromethane	8.236	129	44442	10.986	ug/L	99
50) 1,2-Dibromoethane	8.342	107	43014	11.298	ug/L #	99
51) Chlorobenzene	8.869	112	119520	11.800	ug/L	100
52) Ethylbenzene	9.001	91	182379	10.932	ug/L	99
53) m,p-Xylene	9.130	106	70972	10.737	ug/L	98
54) o-Xylene	9.532	106	68317	10.475	ug/L	97
55) Styrene	9.551	104	124713	10.872	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	71389	11.949	ug/L	99
59) Bromoform	9.718	173	30443	9.461	ug/L	99
60) Isopropylbenzene	9.918	105	180929	10.369	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	53080	11.444	ug/L	98
62) 1,3,5-Trimethylbenzene	10.525	105	149119	9.667	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	145116	9.494	ug/L	98
64) 1,3-Dichlorobenzene	11.168	146	94931	10.969	ug/L	98
65) 1,4-Dichlorobenzene	11.262	146	101176	11.488	ug/L	97
67) 1,2-Dichlorobenzene	11.631	146	94979	10.752	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.413	75	12979	9.182	ug/L	95
69) 1,3,5-Trichlorobenzene	12.631	180	71565	10.467	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	60757	10.011	ug/L	99
71) Naphthalene	13.490	128	155559	10.818	ug/L	99
72) 1,2,3-Trichlorobenzene	13.728	180	61671	10.367	ug/L	99

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

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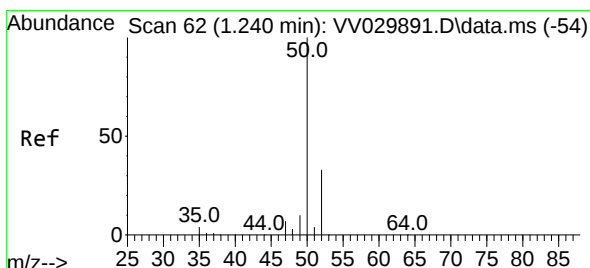
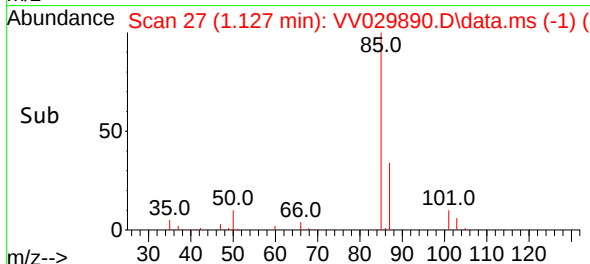
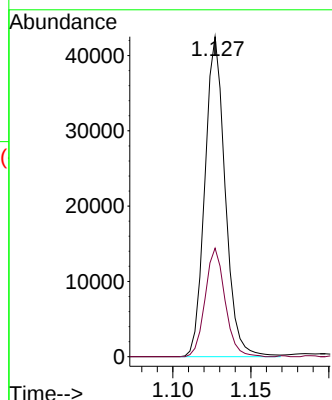
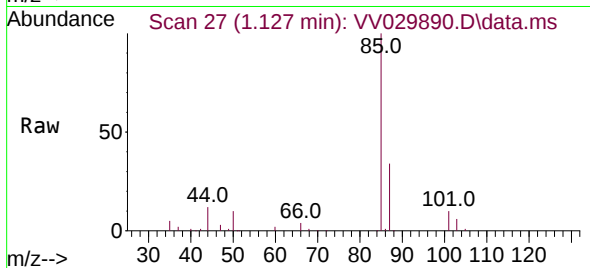




#2
 Dichlorodifluoromethane
 Concen: 9.457 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029890.D
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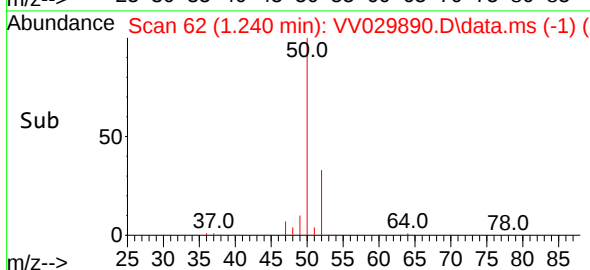
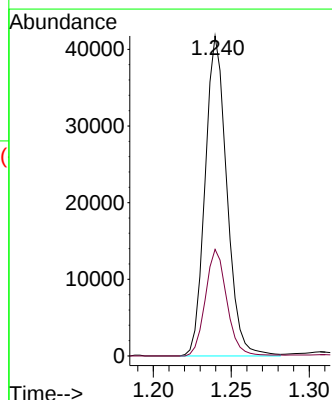
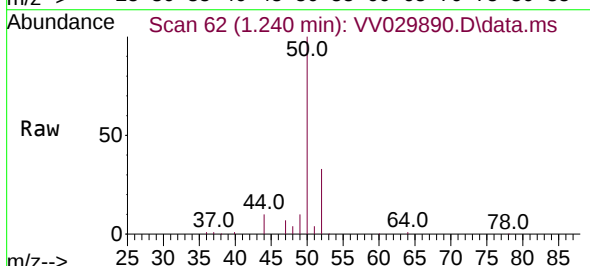
Instrument :
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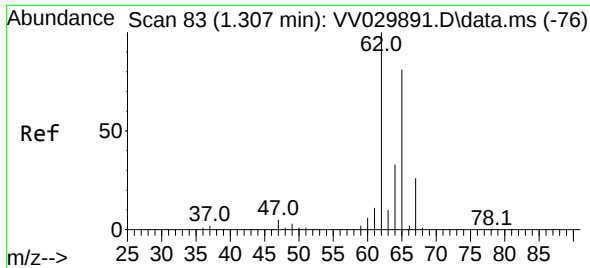
Tgt Ion: 85 Resp: 38460
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.2 39.4



#3
 Chloromethane
 Concen: 8.851 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029890.D
 Acq: 18 Jan 2023 10:48

Tgt Ion: 50 Resp: 40423
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.4 43.4

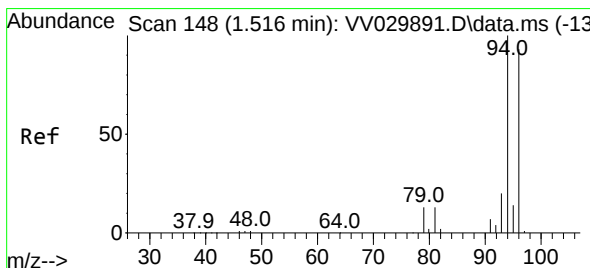
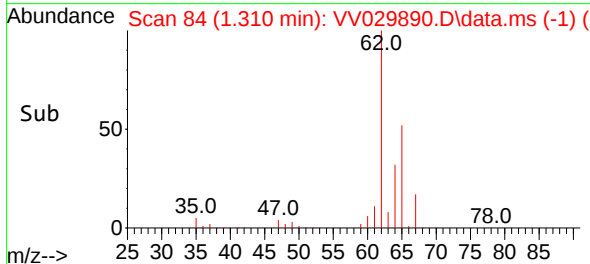
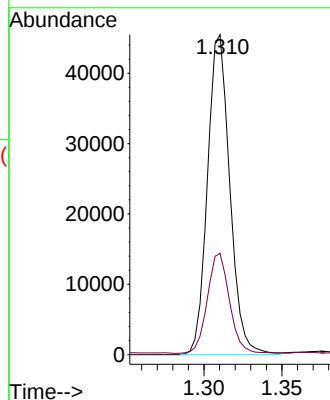
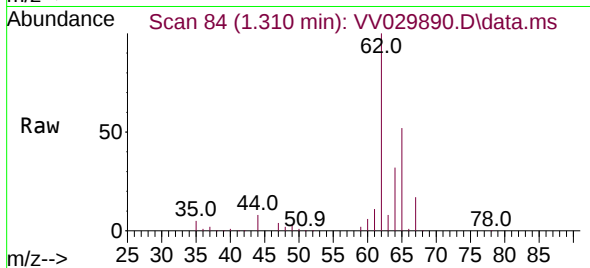




#5
 Vinyl chloride
 Concen: 11.130 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV029890.D
 Acq: 18 Jan 2023 10:48

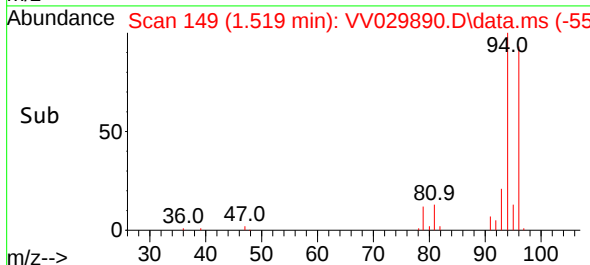
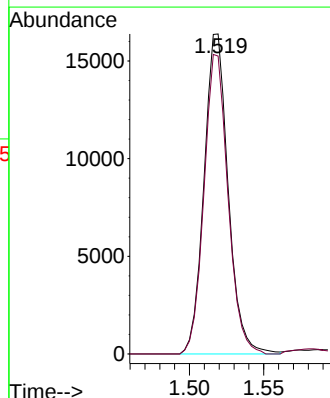
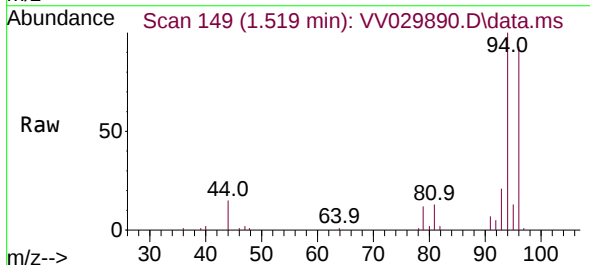
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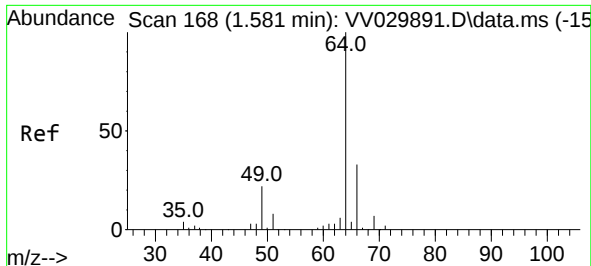
Tgt Ion: 62 Resp: 45331
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.0 42.8



#6
 Bromomethane
 Concen: 11.618 ug/L
 RT: 1.519 min Scan# 149
 Delta R.T. 0.003 min
 Lab File: VV029890.D
 Acq: 18 Jan 2023 10:48

Tgt Ion: 94 Resp: 18545
 Ion Ratio Lower Upper
 94 100
 96 93.1 64.8 120.4

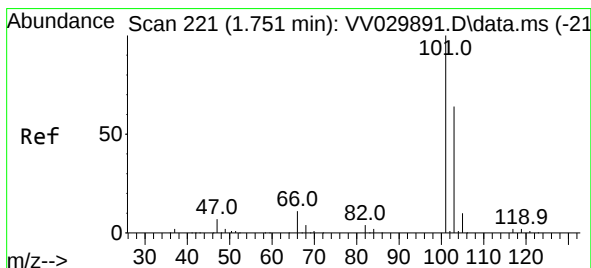
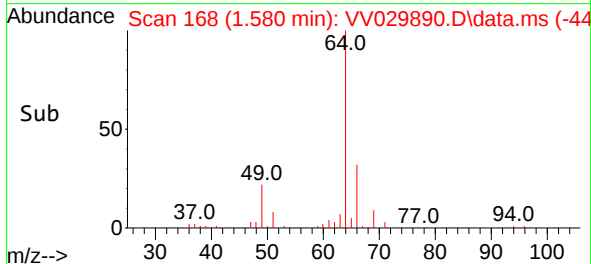
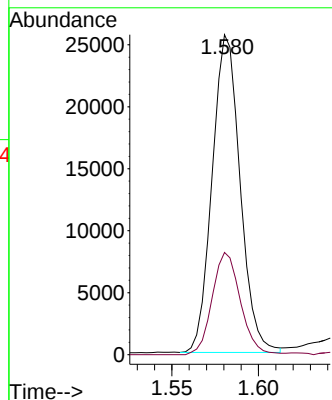
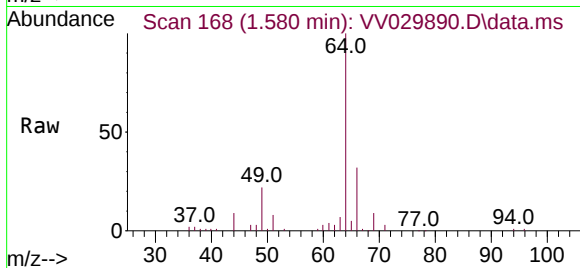




#8
Chloroethane
Concen: 12.419 ug/L
RT: 1.580 min Scan# 168
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

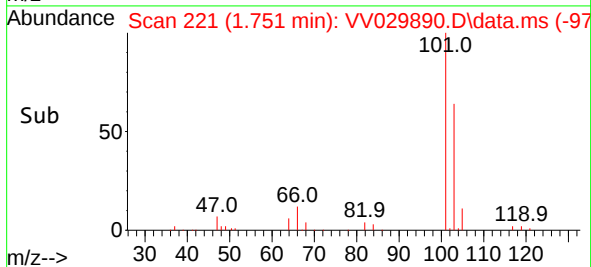
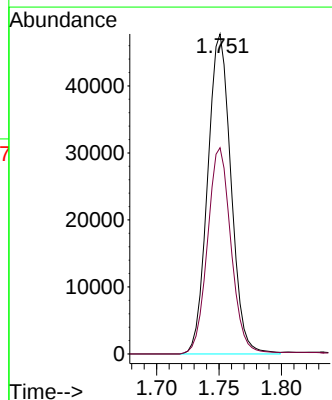
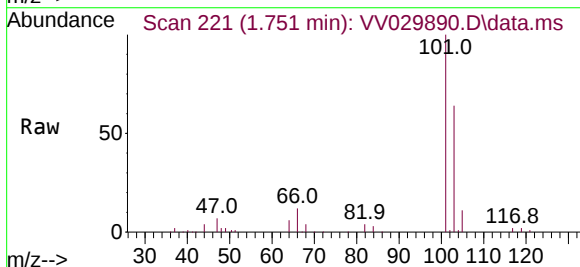
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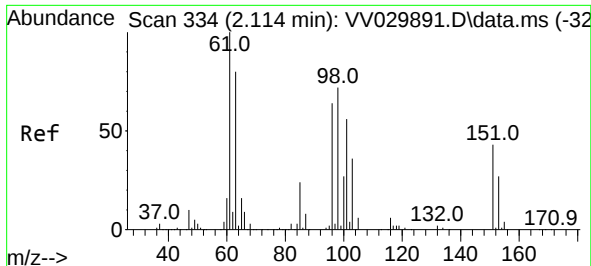
Tgt Ion: 64 Resp: 28805
Ion Ratio Lower Upper
64 100
66 31.9 23.1 42.9



#9
Trichlorofluoromethane
Concen: 12.110 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion:101 Resp: 62332
Ion Ratio Lower Upper
101 100
103 65.1 51.3 76.9

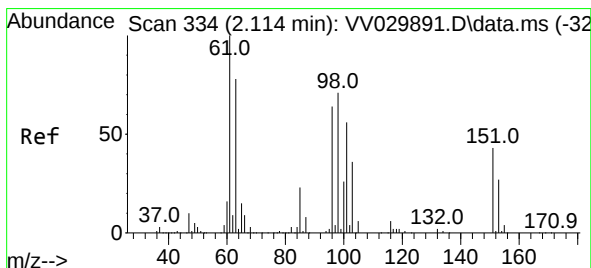
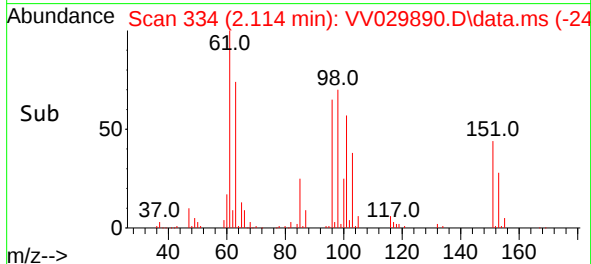
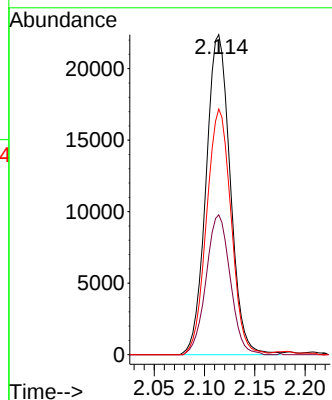
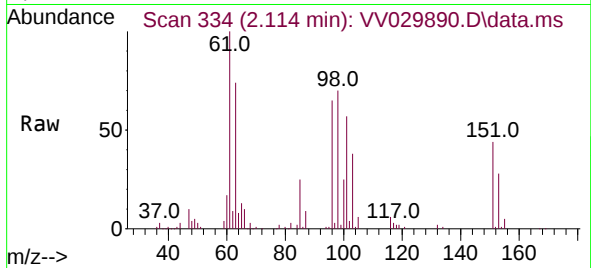




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.854 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029890.D
 Acq: 18 Jan 2023 10:48

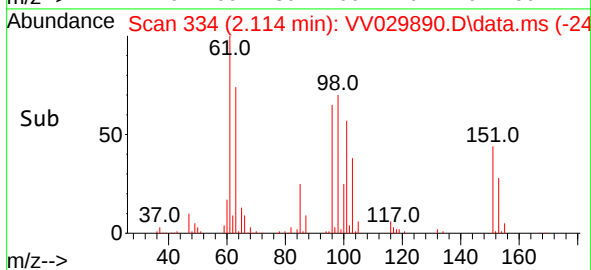
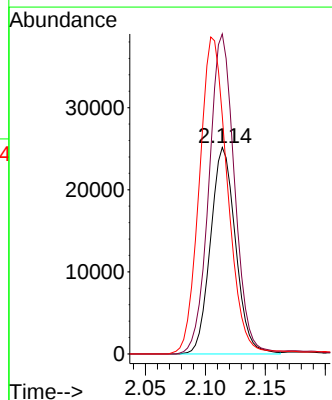
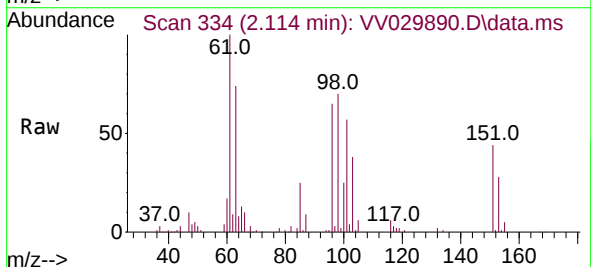
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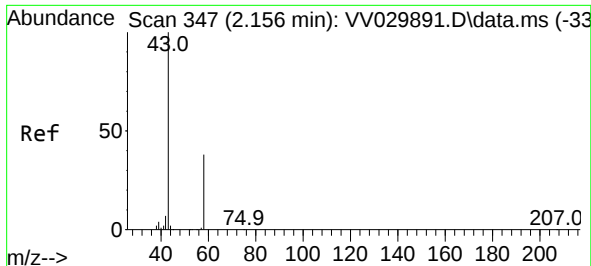
Tgt Ion:101 Resp: 37495
 Ion Ratio Lower Upper
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 85 43.5 33.7 50.5
 151 77.6 61.0 91.4



#12
 1,1-Dichloroethene
 Concen: 12.384 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV029890.D
 Acq: 18 Jan 2023 10:48

Tgt Ion: 96 Resp: 36514
 Ion Ratio Lower Upper
 96 100
 61 155.0 110.2 204.6
 63 115.3 88.6 164.6





#13

Acetone

Concen: 34.529 ug/L

RT: 2.156 min Scan# 34

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

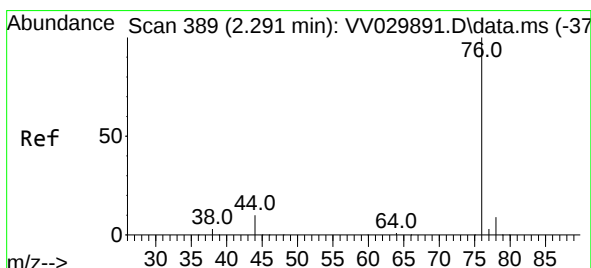
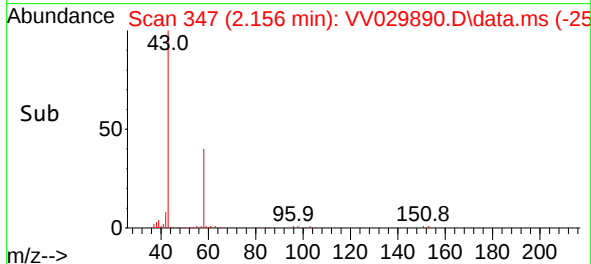
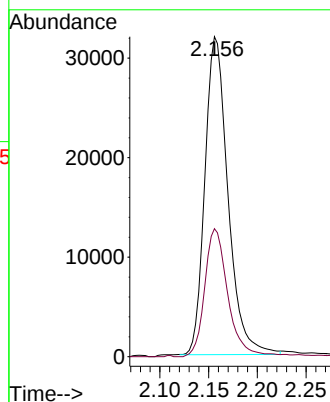
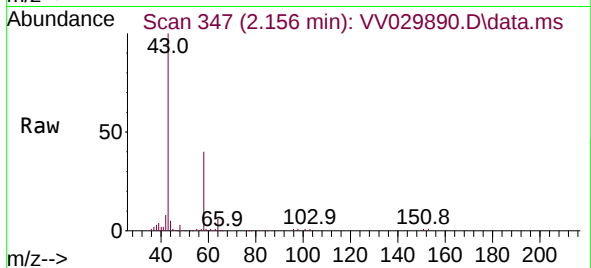
VSTD010203

Tgt Ion: 43 Resp: 52835

Ion Ratio Lower Upper

43 100

58 39.8 0.0 76.0



#14

Carbon disulfide

Concen: 9.898 ug/L

RT: 2.288 min Scan# 388

Delta R.T. -0.003 min

Lab File: VV029890.D

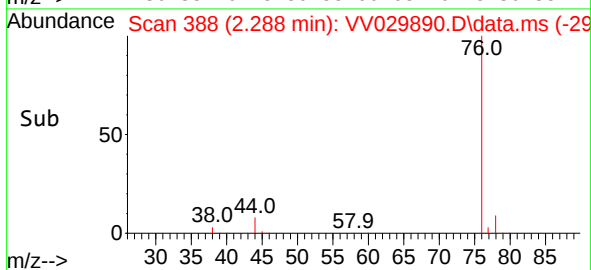
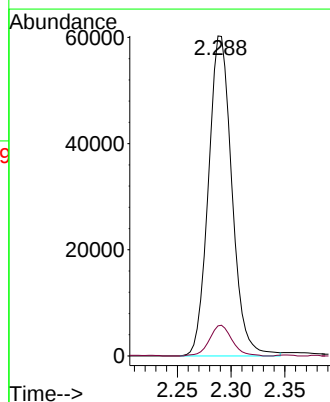
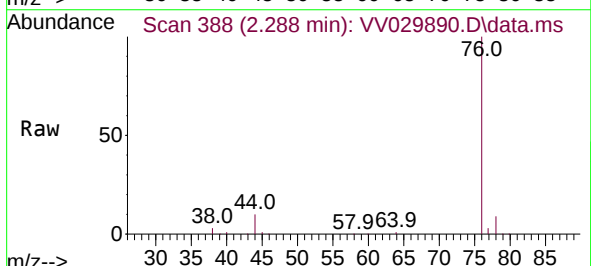
Acq: 18 Jan 2023 10:48

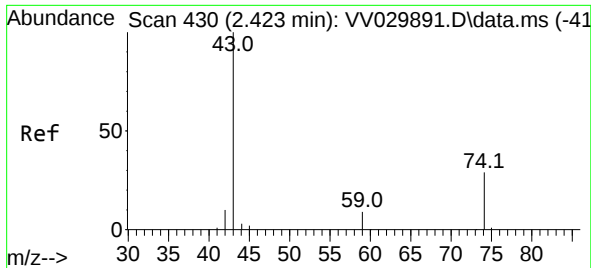
Tgt Ion: 76 Resp: 91778

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

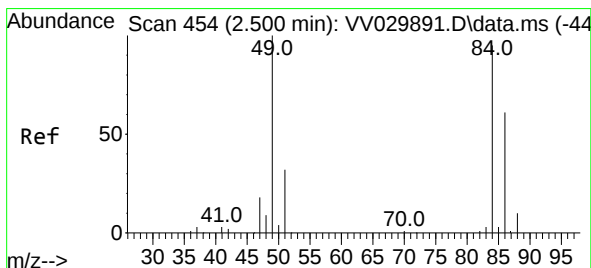
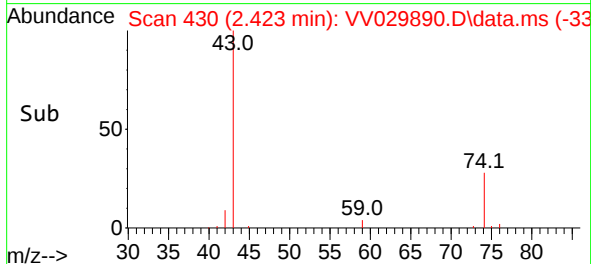
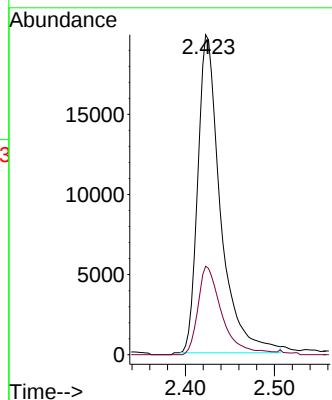
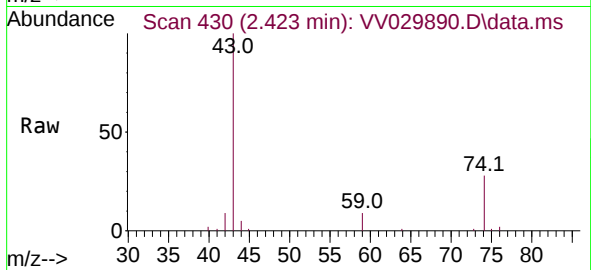




#15
Methyl Acetate
Concen: 11.653 ug/L
RT: 2.423 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

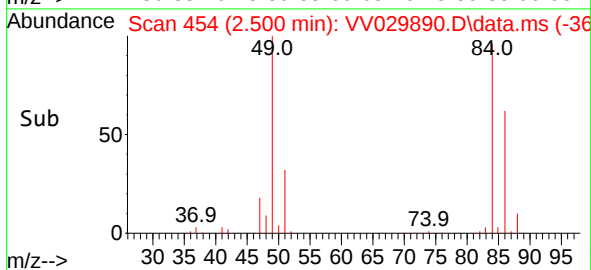
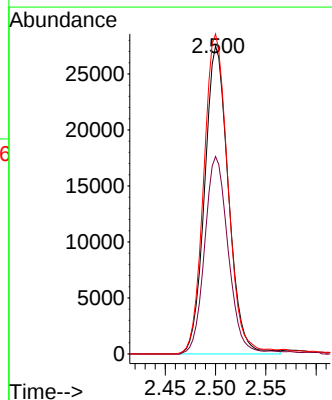
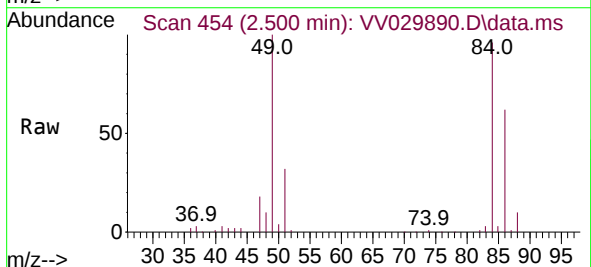
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

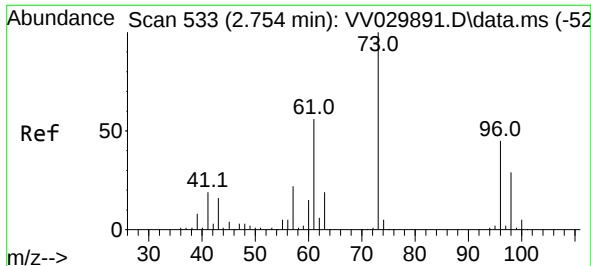
Tgt Ion: 43 Resp: 35185
Ion Ratio Lower Upper
43 100
74 28.6 23.3 34.9



#16
Methylene chloride
Concen: 12.503 ug/L
RT: 2.500 min Scan# 454
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion: 84 Resp: 45306
Ion Ratio Lower Upper
84 100
86 64.1 45.3 84.1
49 103.9 74.1 137.5

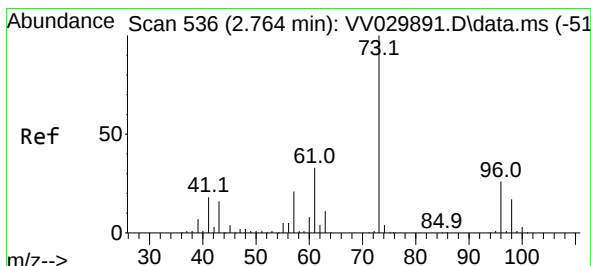
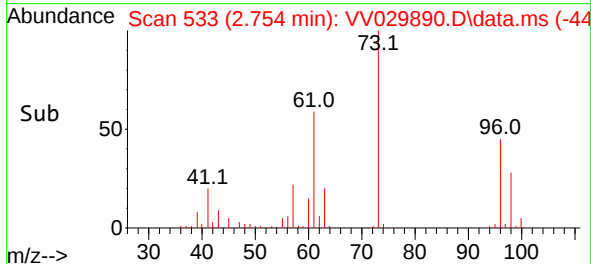
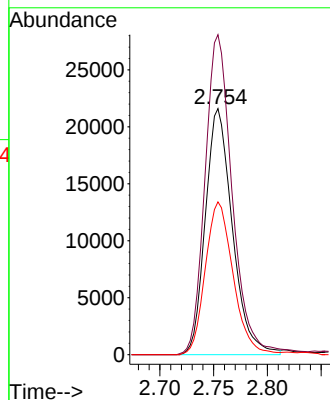
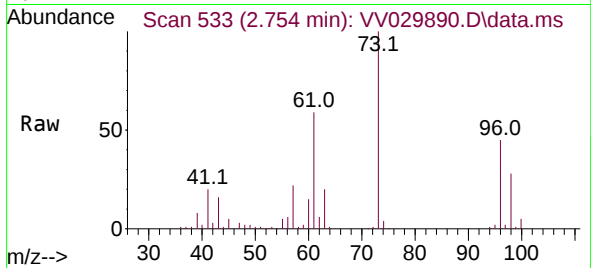




#17
trans-1,2-Dichloroethene
Concen: 11.389 ug/L
RT: 2.754 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

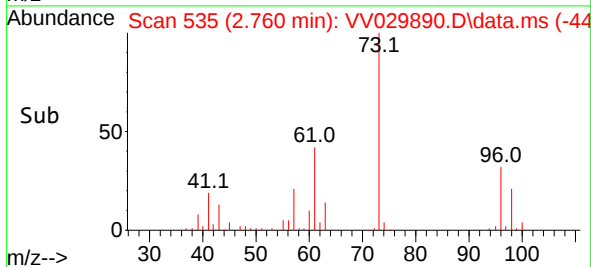
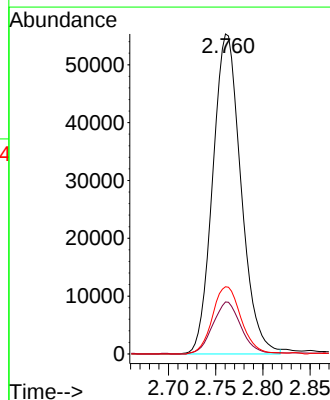
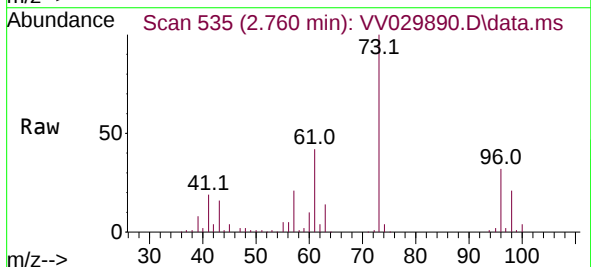
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

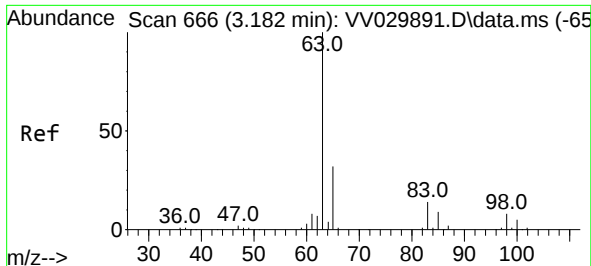
Tgt Ion: 96 Resp: 37817
Ion Ratio Lower Upper
96 100
61 130.0 86.9 161.5
98 62.1 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 11.219 ug/L
RT: 2.760 min Scan# 535
Delta R.T. -0.003 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion: 73 Resp: 114990
Ion Ratio Lower Upper
73 100
43 16.3 12.8 19.2
57 21.4 17.1 25.7





#19

1,1-Dichloroethane

Concen: 12.322 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

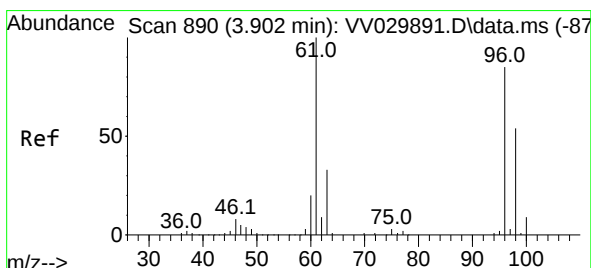
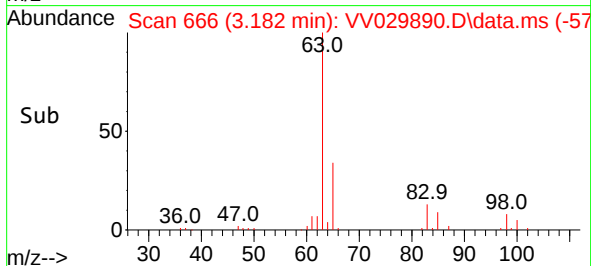
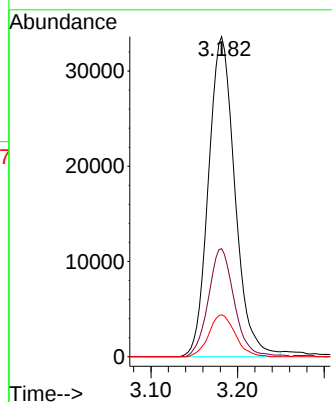
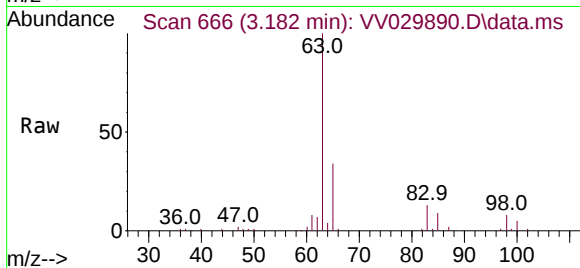
Tgt Ion: 63 Resp: 71195

Ion Ratio Lower Upper

63 100

65 33.8 22.3 41.3

83 13.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 11.461 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

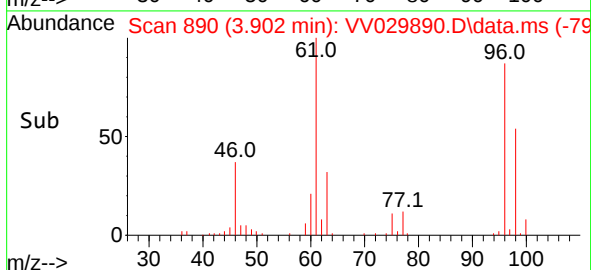
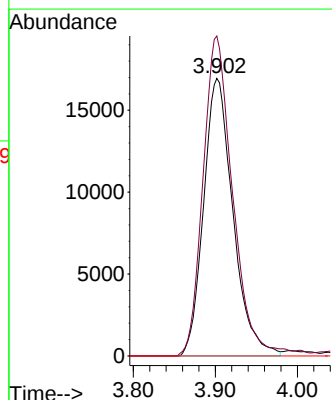
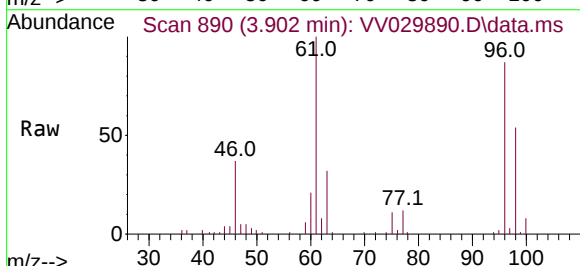
Tgt Ion: 96 Resp: 42186

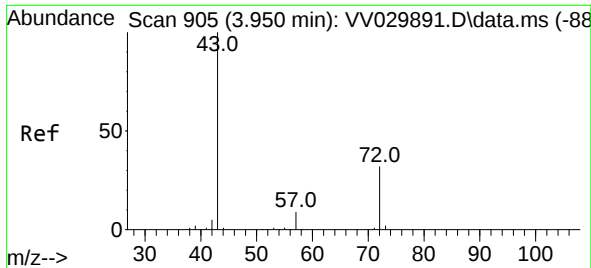
Ion Ratio Lower Upper

96 100

61 115.2 82.5 153.3

68 0.0 0.0 0.0

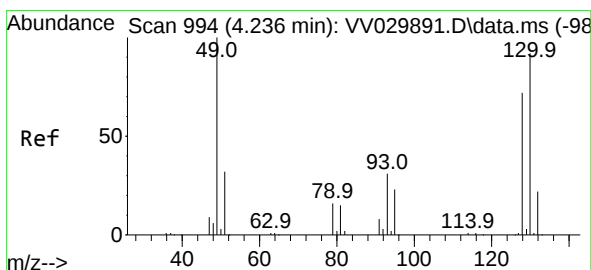
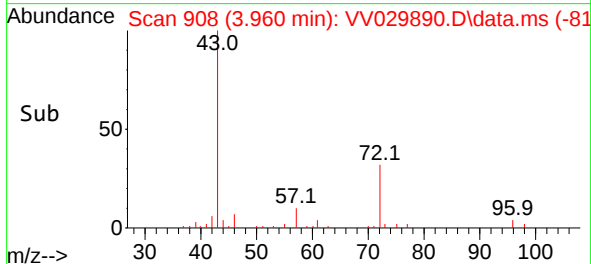
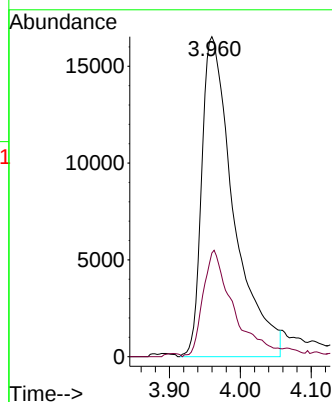
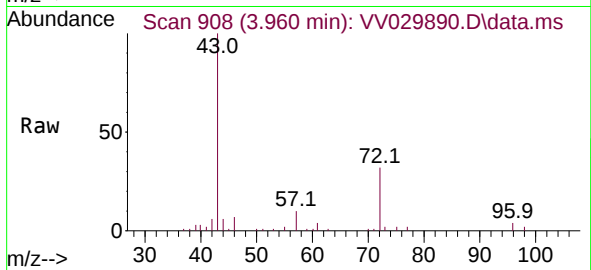




#22
2-Butanone
Concen: 23.720 ug/L
RT: 3.960 min Scan# 905
Delta R.T. 0.009 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

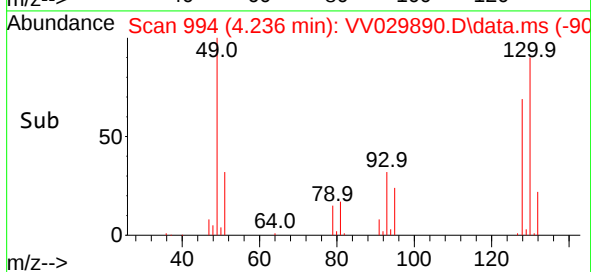
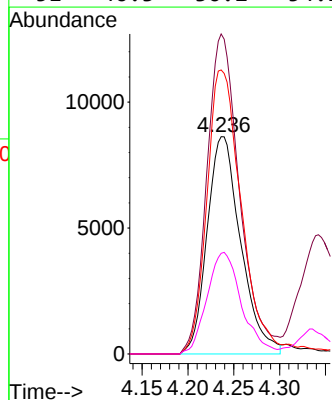
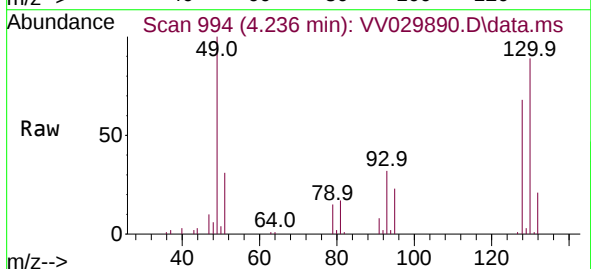
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

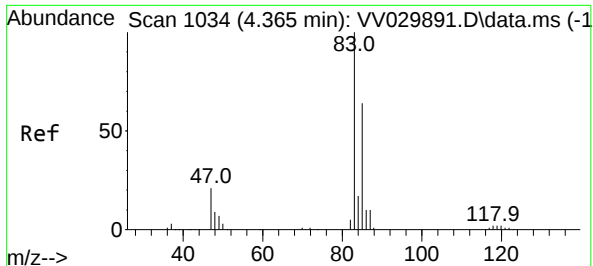
Tgt Ion: 43 Resp: 51881
Ion Ratio Lower Upper
43 100
72 29.8 15.4 46.4



#23
Bromochloromethane
Concen: 11.550 ug/L
RT: 4.236 min Scan# 994
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion:128 Resp: 21988
Ion Ratio Lower Upper
128 100
49 147.3 97.3 180.7
130 130.7 89.7 166.5
51 46.3 36.2 54.2





#25

Chloroform

Concen: 12.317 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

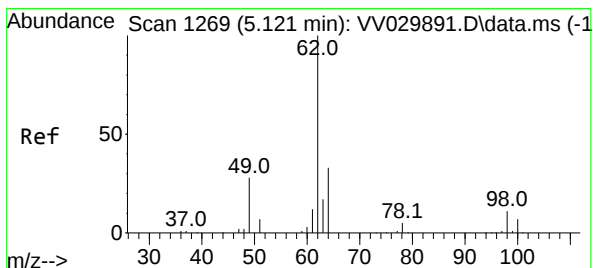
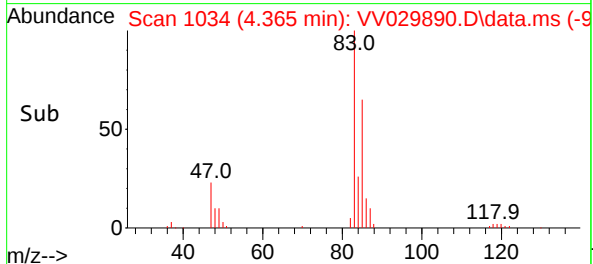
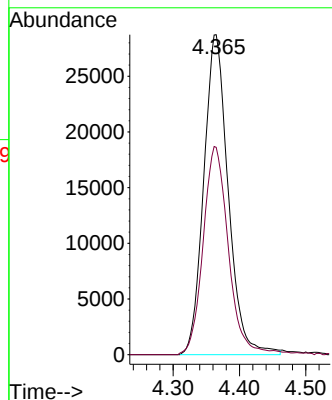
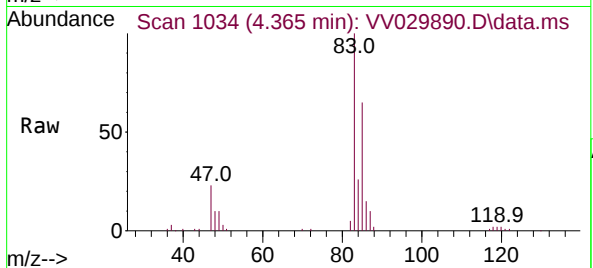
VSTD010203

Tgt Ion: 83 Resp: 73741

Ion Ratio Lower Upper

83 100

85 64.8 44.8 83.2



#27

1,2-Dichloroethane

Concen: 11.773 ug/L

RT: 5.120 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VV029890.D

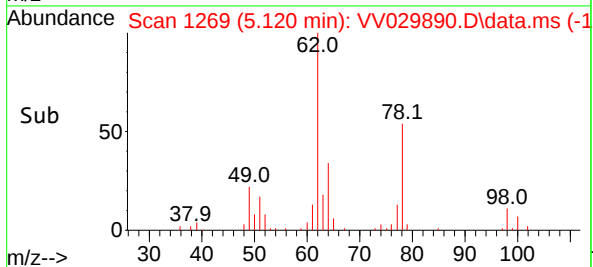
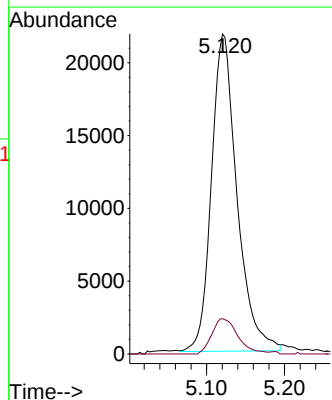
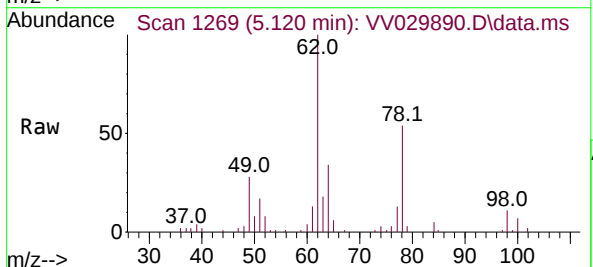
Acq: 18 Jan 2023 10:48

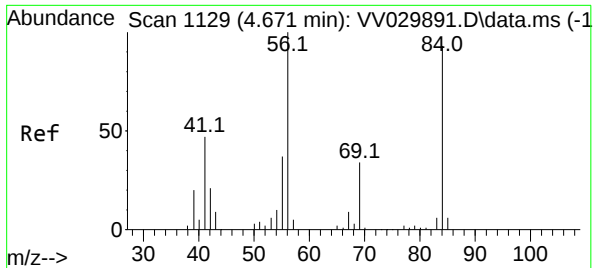
Tgt Ion: 62 Resp: 49745

Ion Ratio Lower Upper

62 100

98 11.0 9.0 13.4





#29

Cyclohexane

Concen: 9.841 ug/L

RT: 4.667 min Scan# 1128

Delta R.T. -0.004 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

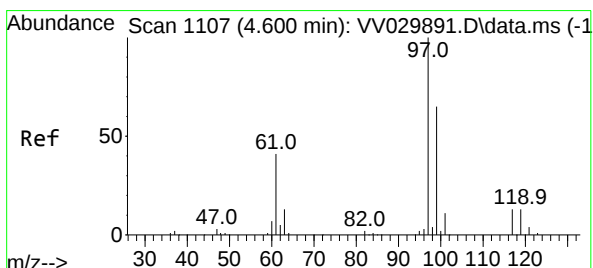
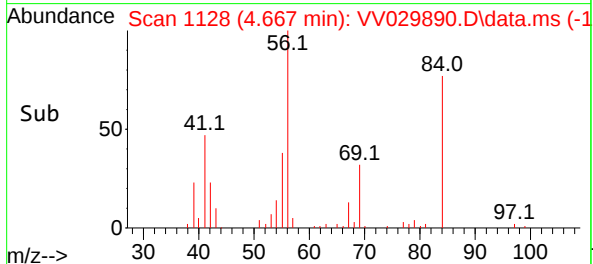
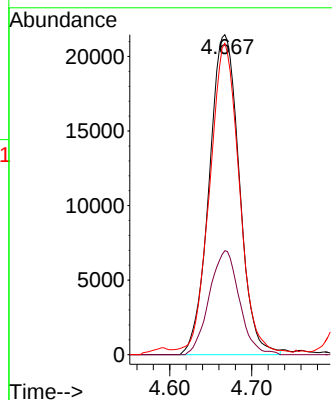
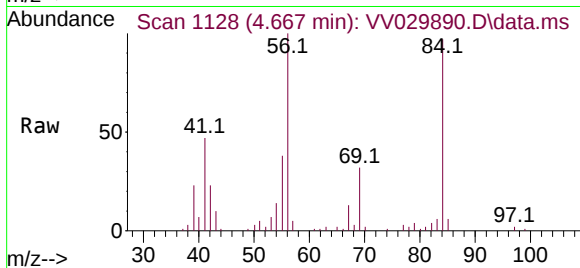
Tgt Ion: 56 Resp: 54693

Ion Ratio Lower Upper

56 100

69 32.1 26.2 39.4

84 93.6 74.7 112.1



#30

1,1,1-Trichloroethane

Concen: 11.019 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

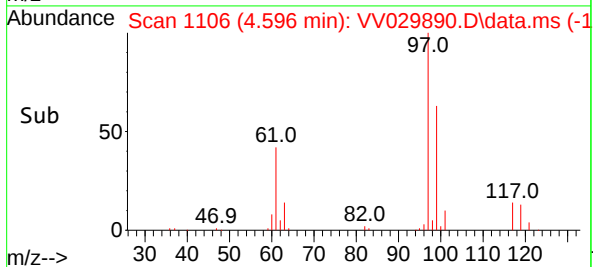
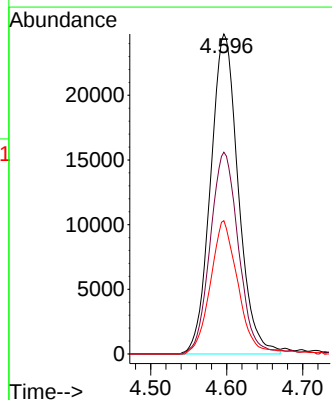
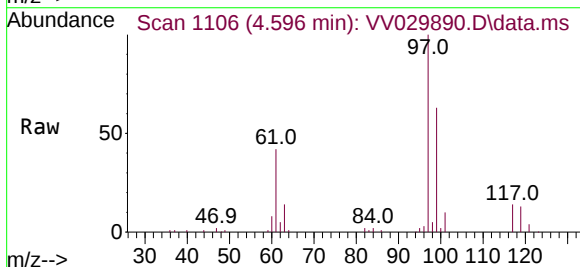
Tgt Ion: 97 Resp: 62722

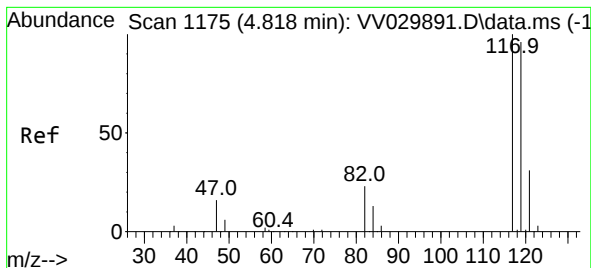
Ion Ratio Lower Upper

97 100

99 63.9 51.9 77.9

61 41.3 32.2 48.2





#31

Carbon tetrachloride

Concen: 10.830 ug/L

RT: 4.815 min Scan# 1175

Delta R.T. -0.004 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

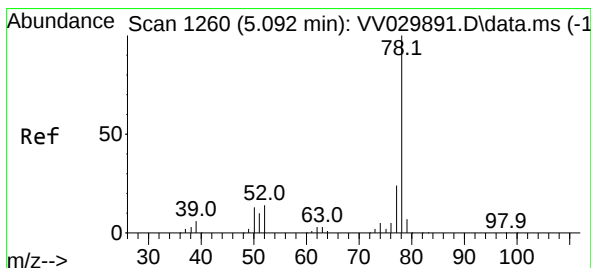
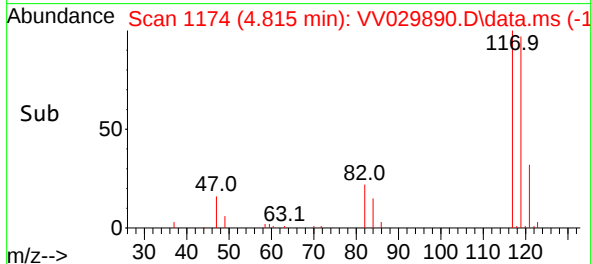
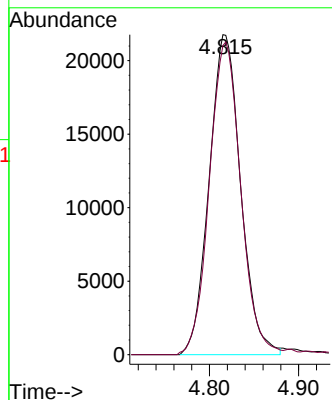
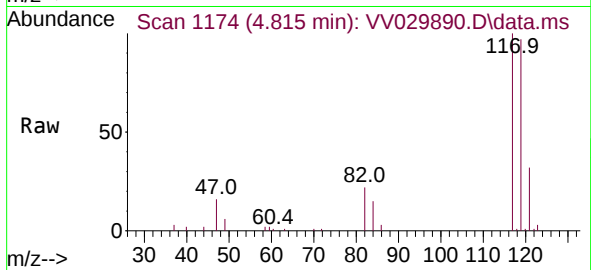
VSTD010203

Tgt Ion:117 Resp: 53432

Ion Ratio Lower Upper

117 100

119 97.2 77.9 116.9



#33

Benzene

Concen: 10.934 ug/L

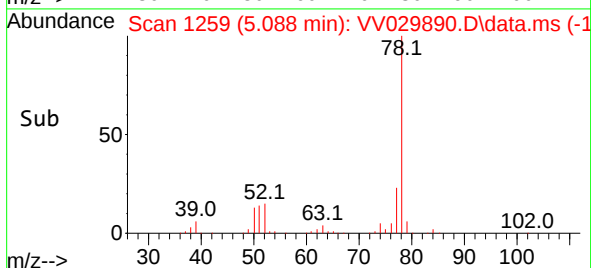
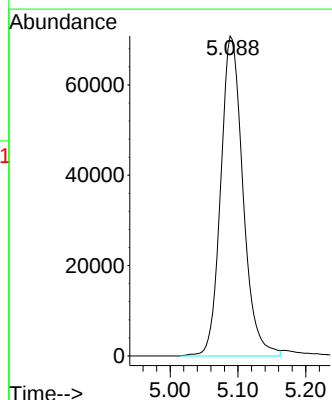
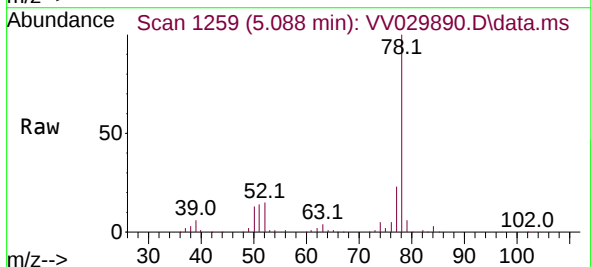
RT: 5.088 min Scan# 1259

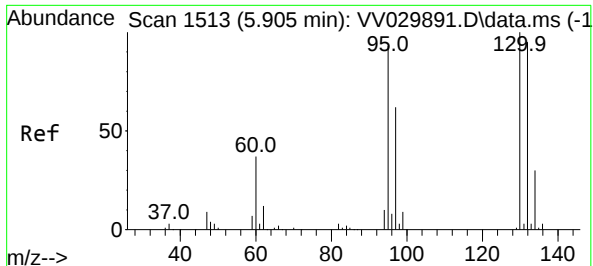
Delta R.T. -0.003 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Tgt Ion: 78 Resp: 161659



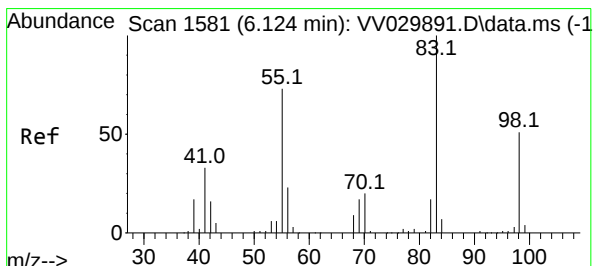
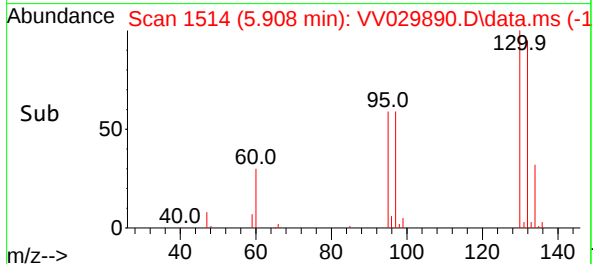
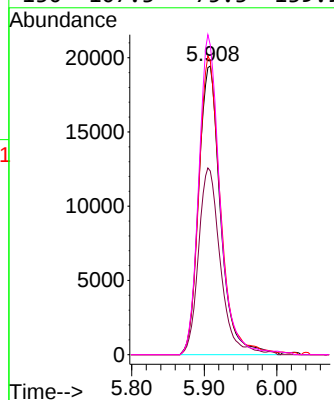
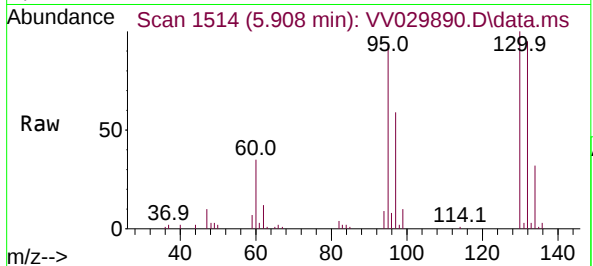


#34
Trichloroethene
Concen: 11.075 ug/L
RT: 5.908 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

Tgt Ion: 95 Resp: 40728

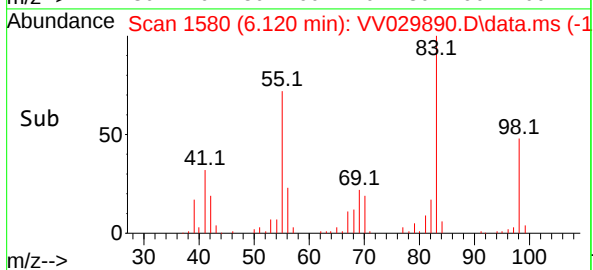
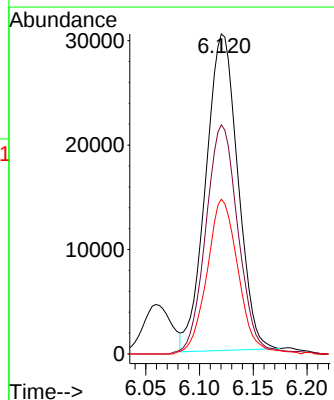
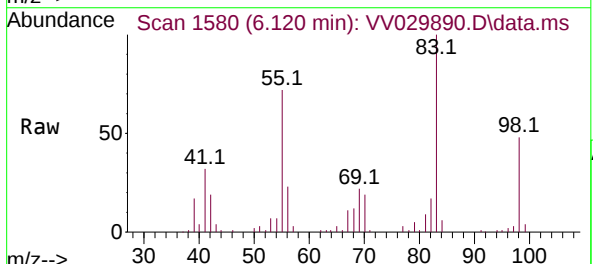
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.5	86.5
132	101.8	71.8	133.4
130	107.3	75.3	139.9

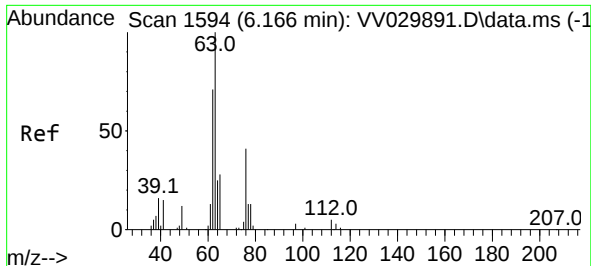


#35
Methylcyclohexane
Concen: 10.101 ug/L
RT: 6.120 min Scan# 1580
Delta R.T. -0.003 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion: 83 Resp: 62841

Ion	Ratio	Lower	Upper
83	100		
55	73.2	56.2	84.2
98	47.7	38.5	57.7





#37

1,2-Dichloropropane

Concen: 12.031 ug/L

RT: 6.162 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

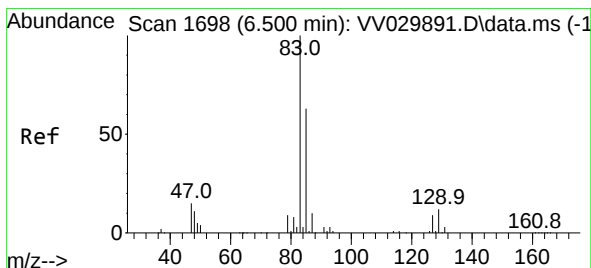
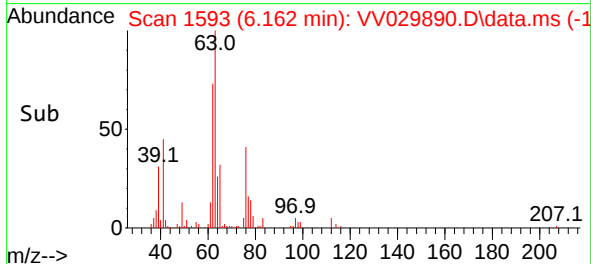
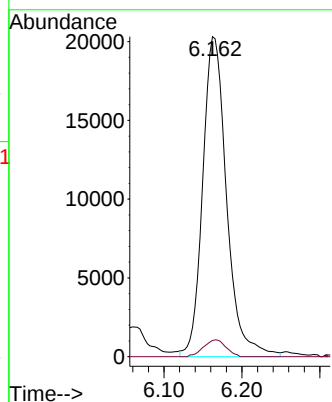
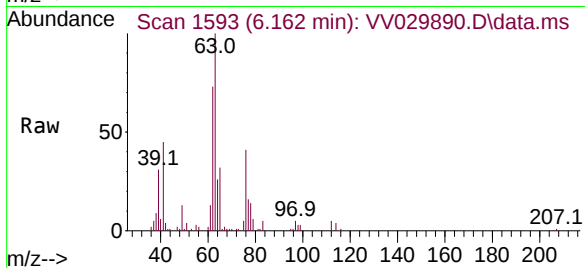
VSTD010203

Tgt Ion: 63 Resp: 43347

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#38

Bromodichloromethane

Concen: 11.275 ug/L

RT: 6.500 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

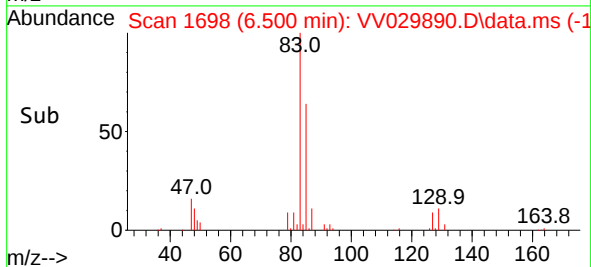
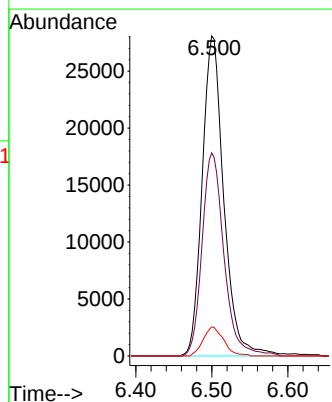
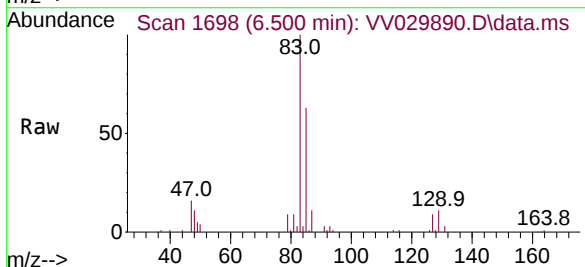
Tgt Ion: 83 Resp: 55467

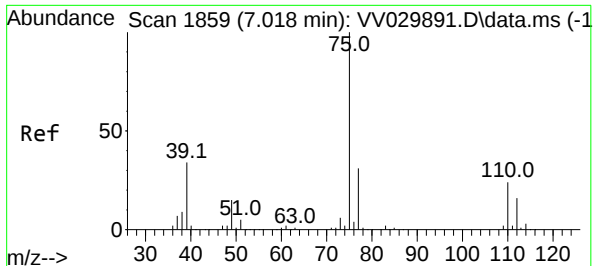
Ion Ratio Lower Upper

83 100

85 63.5 44.2 82.0

127 9.1 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 9.628 ug/L

RT: 7.021 min Scan# 1860

Delta R.T. 0.003 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

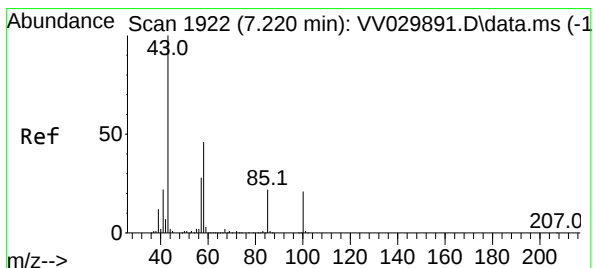
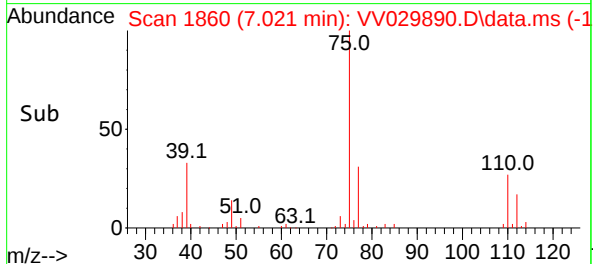
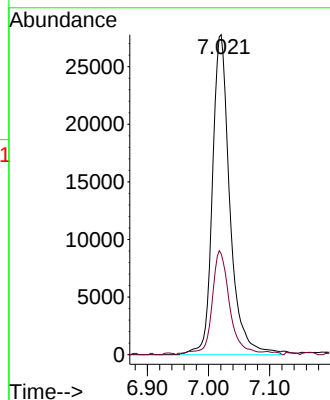
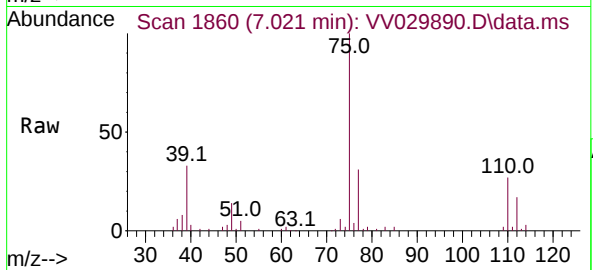
VSTD010203

Tgt Ion: 75 Resp: 55270

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 21.250 ug/L

RT: 7.220 min Scan# 1922

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

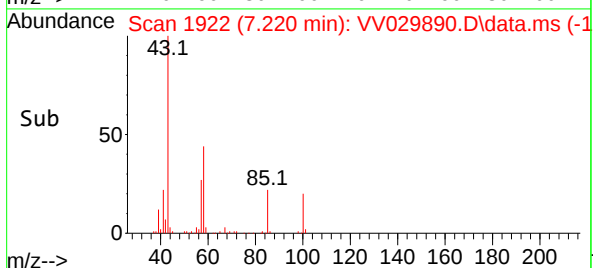
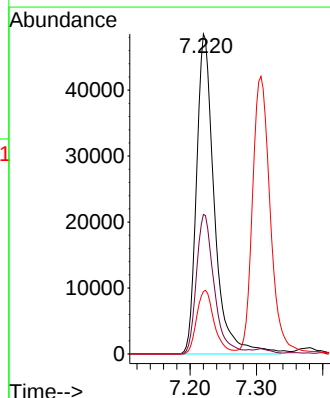
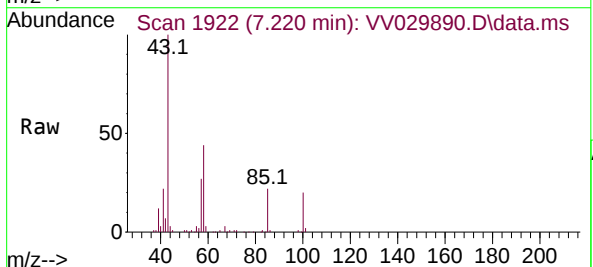
Tgt Ion: 43 Resp: 90647

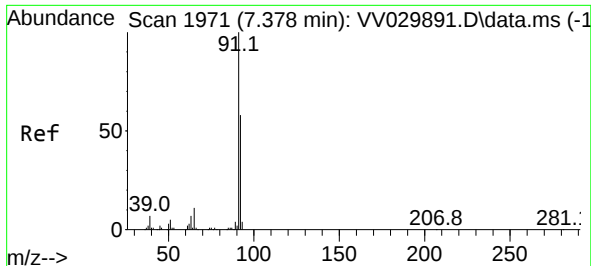
Ion Ratio Lower Upper

43 100

58 43.3 37.0 55.6

100 19.6 16.2 24.2





#42

Toluene

Concen: 10.875 ug/L

RT: 7.378 min Scan# 1971

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

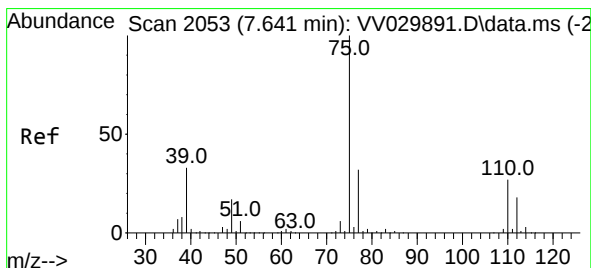
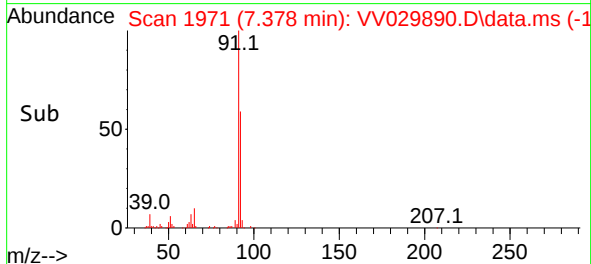
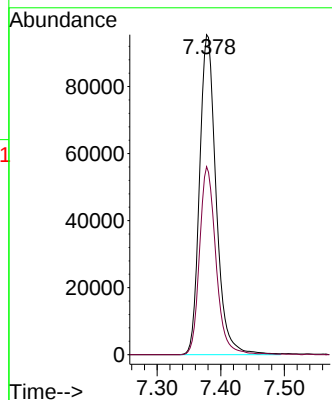
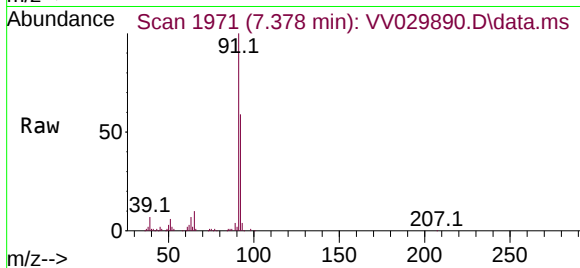
VSTD010203

Tgt Ion: 91 Resp: 172665

Ion Ratio Lower Upper

91 100

92 58.7 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 9.390 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. -0.000 min

Lab File: VV029890.D

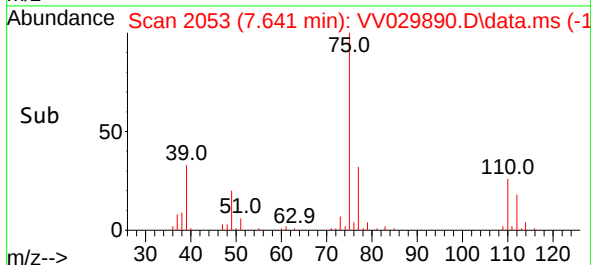
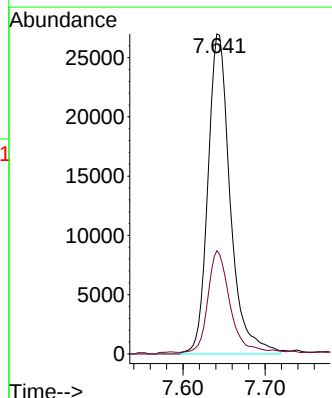
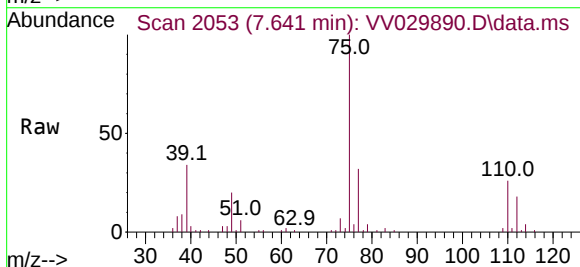
Acq: 18 Jan 2023 10:48

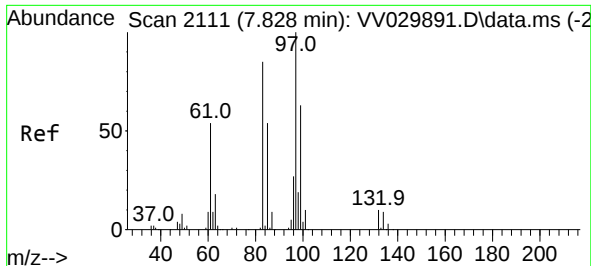
Tgt Ion: 75 Resp: 51112

Ion Ratio Lower Upper

75 100

77 32.3 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 11.409 ug/L

RT: 7.828 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

Tgt Ion: 97 Resp: 42355

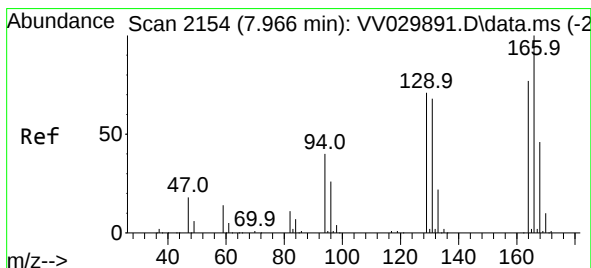
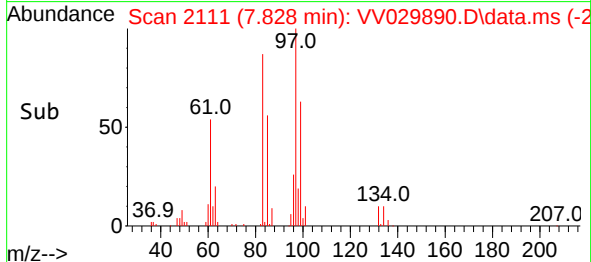
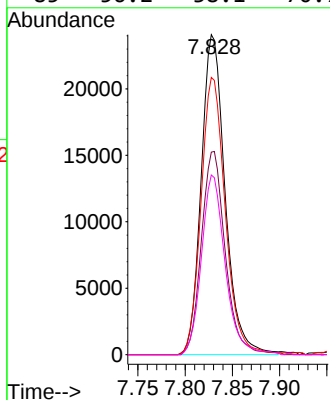
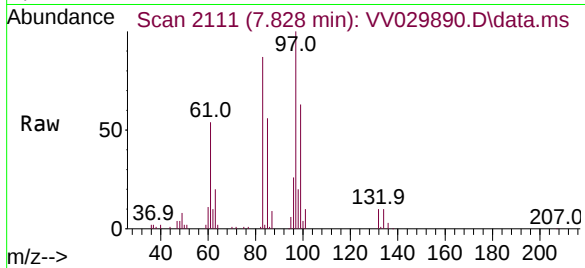
Ion Ratio Lower Upper

97 100

99 63.3 43.9 81.5

83 86.6 59.5 110.5

85 56.2 38.1 70.7



#46

Tetrachloroethene

Concen: 11.529 ug/L

RT: 7.966 min Scan# 2154

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Tgt Ion: 164 Resp: 34188

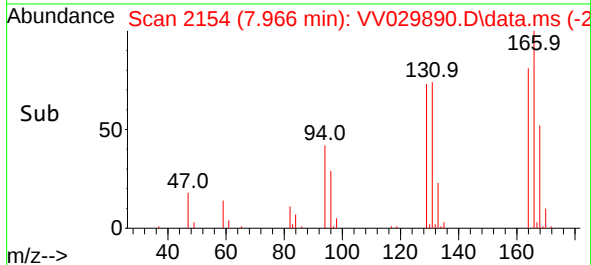
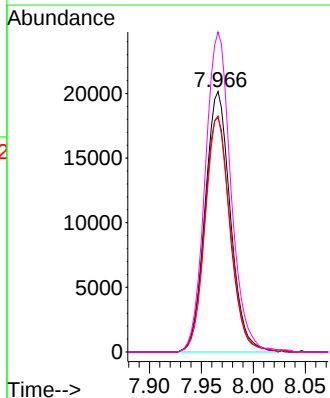
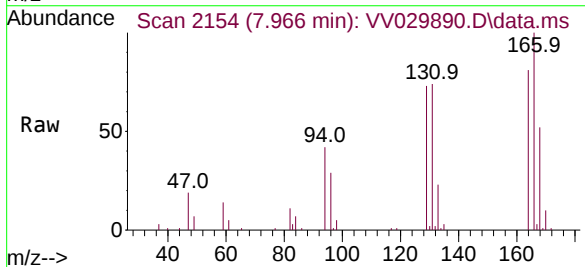
Ion Ratio Lower Upper

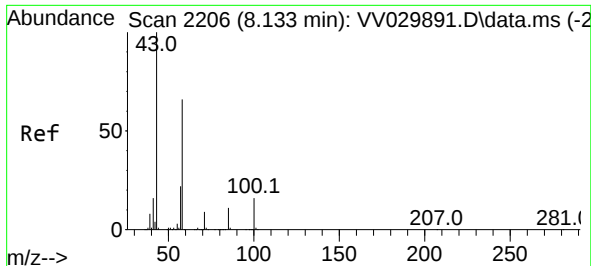
164 100

129 90.0 64.6 120.0

131 90.6 61.8 114.8

166 122.8 90.9 168.9

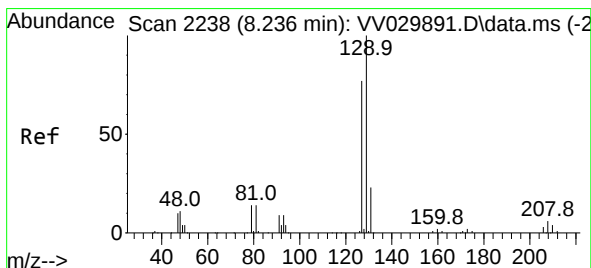
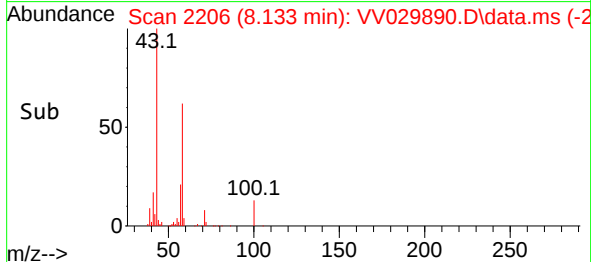
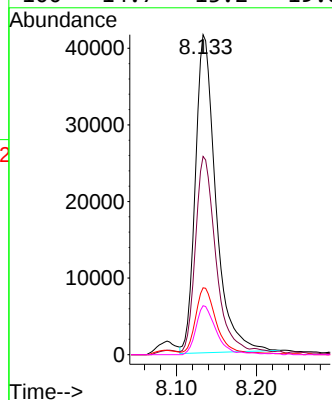
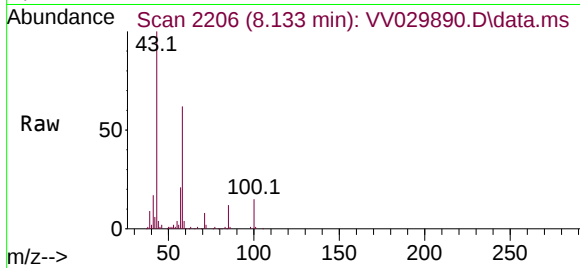




#48
2-Hexanone
Concen: 22.331 ug/L
RT: 8.133 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

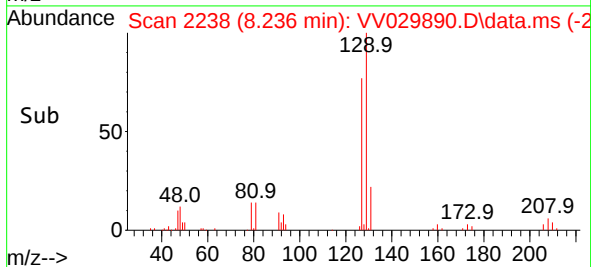
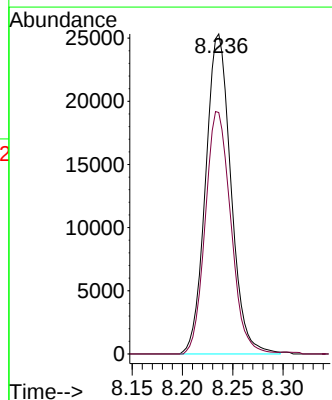
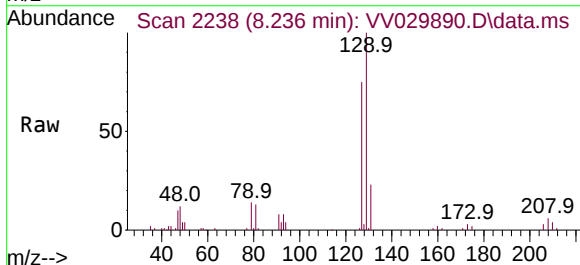
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

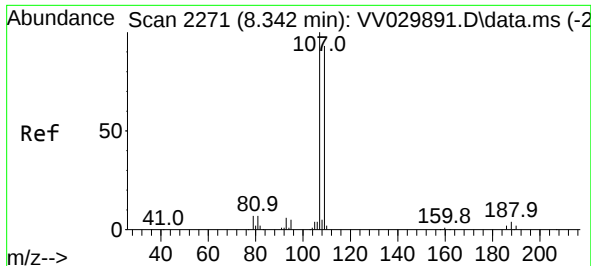
Tgt Ion: 43	Resp: 74152
Ion Ratio	Lower Upper
43 100	
58 60.5	53.2 79.8
57 20.3	17.6 26.4
100 14.7	13.2 19.8



#49
Dibromochloromethane
Concen: 10.986 ug/L
RT: 8.236 min Scan# 2238
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion:129	Resp:	44442	
Ion	Ratio	Lower	Upper
129	100		
127	75.5	53.5	99.5





#50

1,2-Dibromoethane

Concen: 11.298 ug/L

RT: 8.342 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD010203

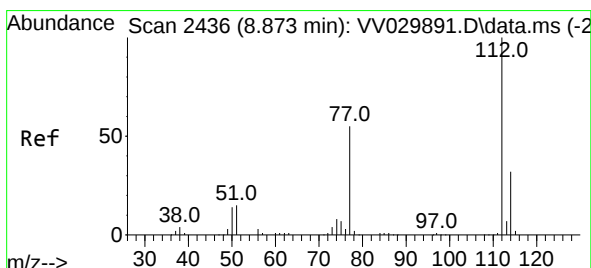
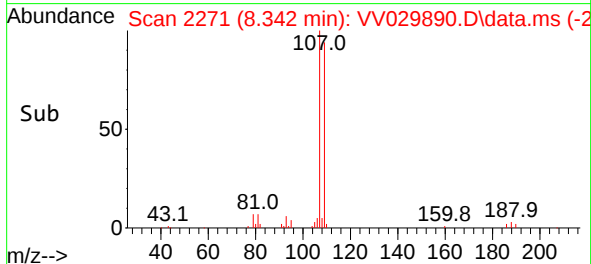
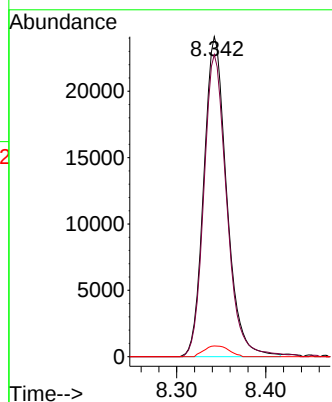
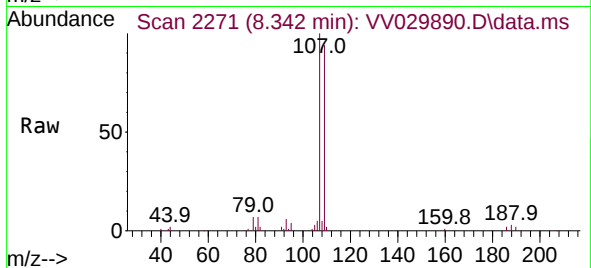
Tgt Ion:107 Resp: 43014

Ion Ratio Lower Upper

107 100

109 94.4 65.5 121.6

188 3.4 3.4 5.0#



#51

Chlorobenzene

Concen: 11.800 ug/L

RT: 8.869 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

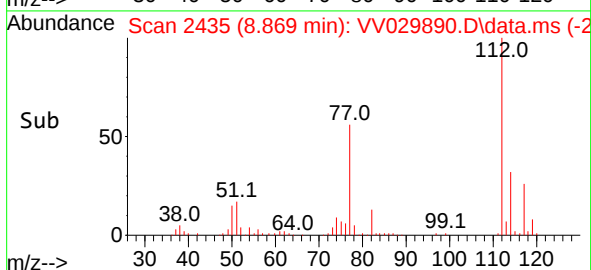
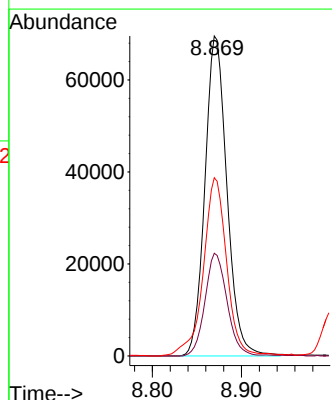
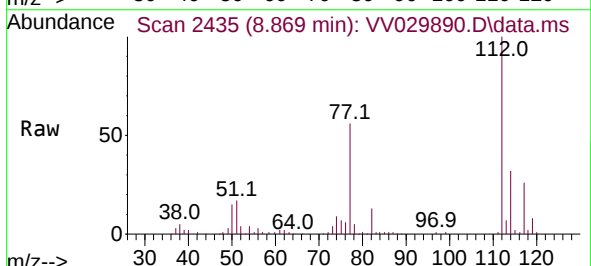
Tgt Ion:112 Resp: 119520

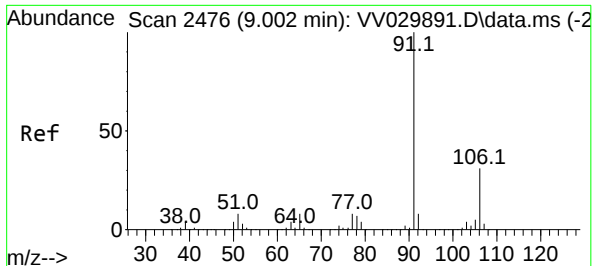
Ion Ratio Lower Upper

112 100

114 32.1 22.6 42.0

77 55.7 44.6 66.8





#52

Ethylbenzene

Concen: 10.932 ug/L

RT: 9.001 min Scan# 2476

Delta R.T. -0.000 min

Lab File: VV029890.D

Acq: 18 Jan 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

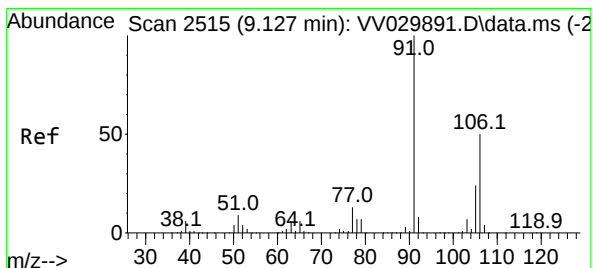
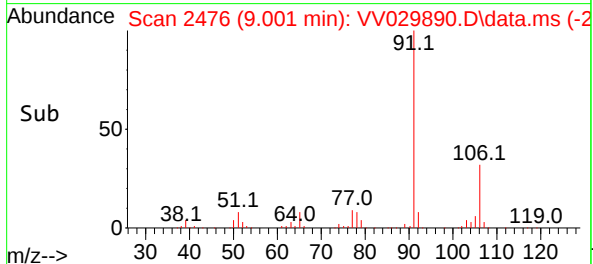
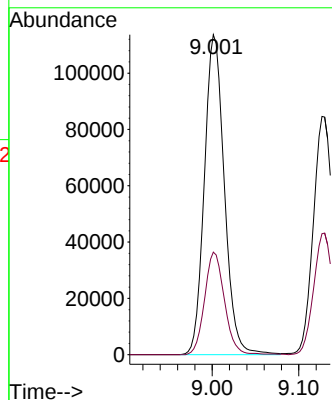
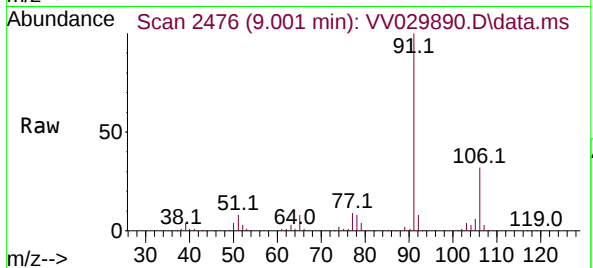
VSTD010203

Tgt Ion: 91 Resp: 182379

Ion Ratio Lower Upper

91 100

106 32.0 22.0 40.8



#53

m,p-Xylene

Concen: 10.737 ug/L

RT: 9.130 min Scan# 2516

Delta R.T. 0.003 min

Lab File: VV029890.D

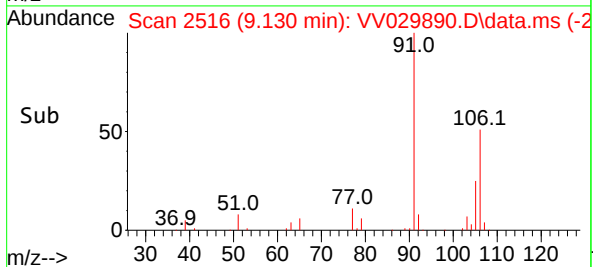
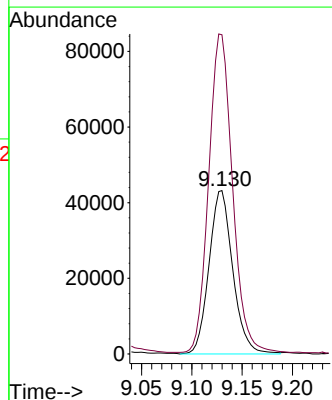
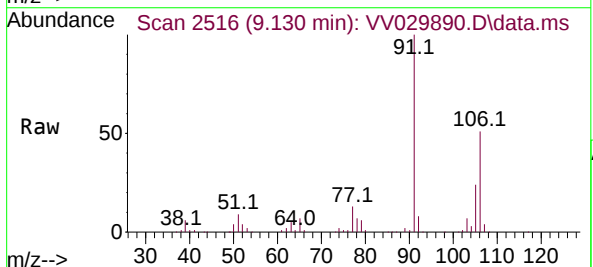
Acq: 18 Jan 2023 10:48

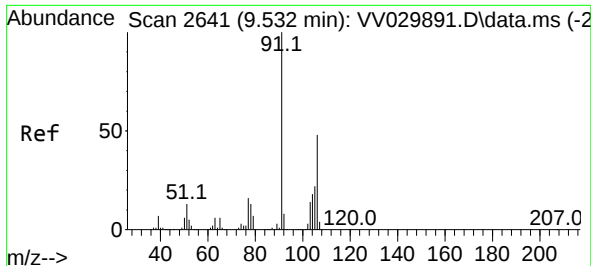
Tgt Ion: 106 Resp: 70972

Ion Ratio Lower Upper

106 100

91 195.4 138.9 258.1

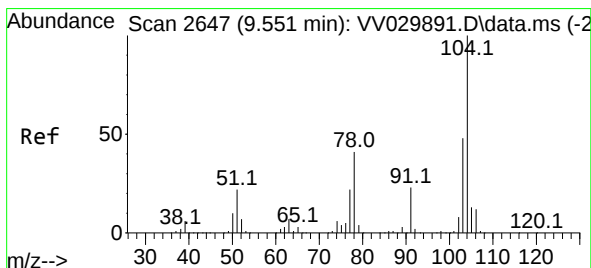
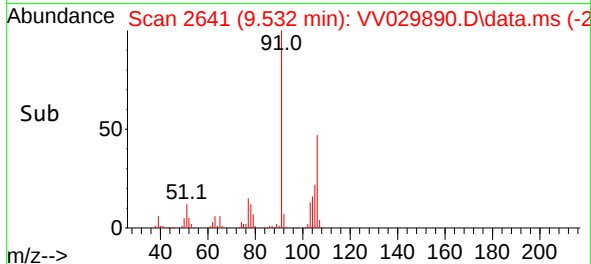
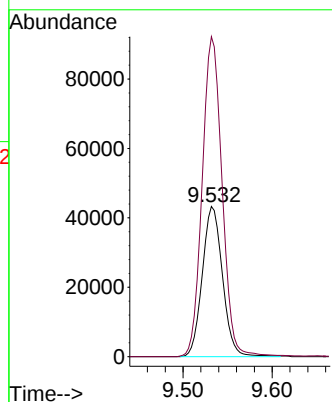
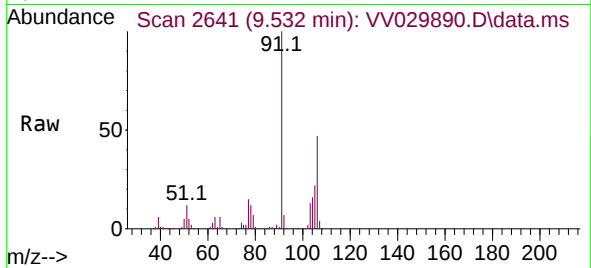




#54
o-Xylene
Concen: 10.475 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

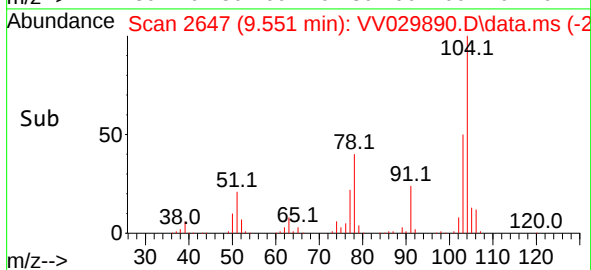
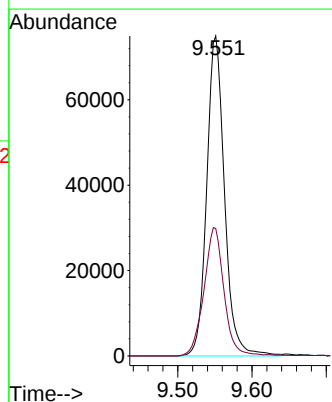
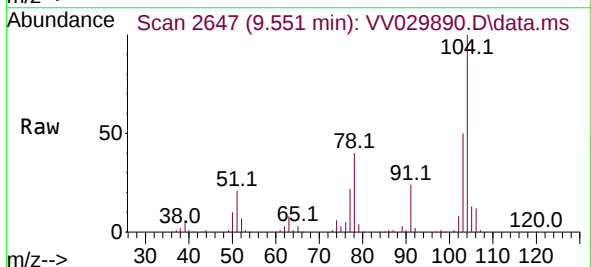
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

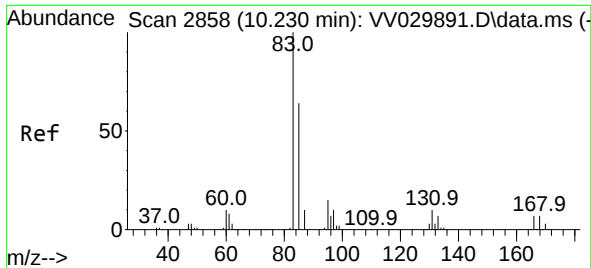
Tgt Ion:106 Resp: 68317
Ion Ratio Lower Upper
106 100
91 213.1 146.2 271.6



#55
Styrene
Concen: 10.872 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion:104 Resp: 124713
Ion Ratio Lower Upper
104 100
78 39.8 28.6 53.0

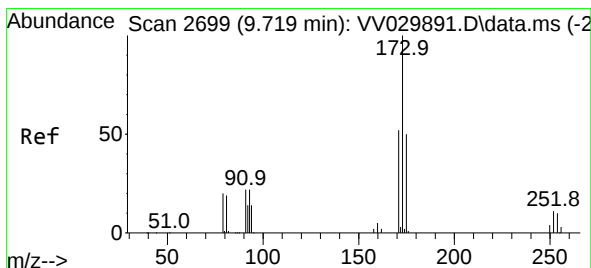
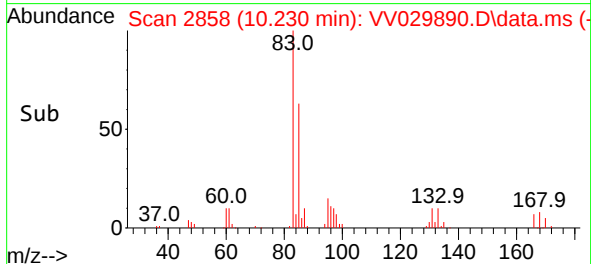
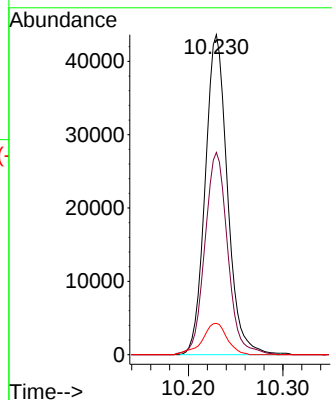
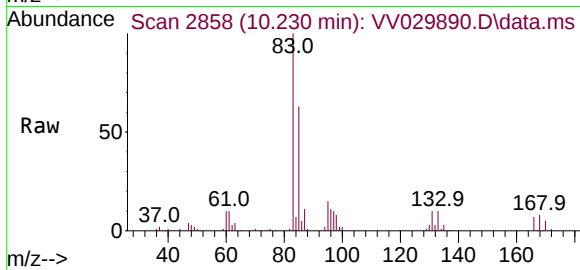




#57
1,1,2,2-Tetrachloroethane
Concen: 11.949 ug/L
RT: 10.230 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

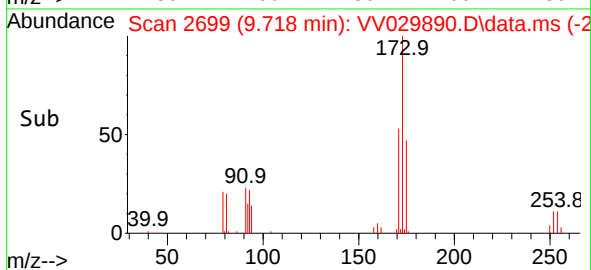
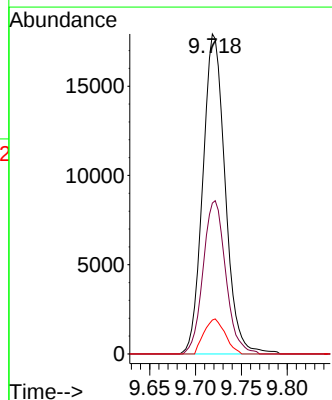
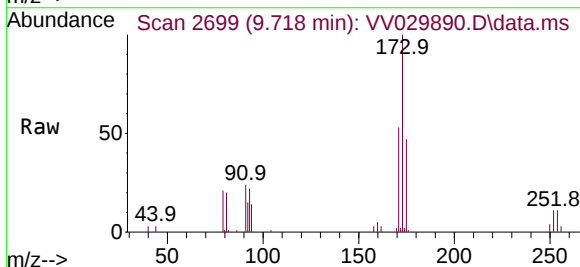
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

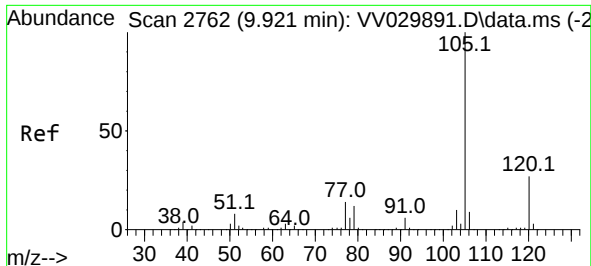
Tgt Ion: 83 Resp: 71389
Ion Ratio Lower Upper
83 100
85 63.2 44.9 83.3
131 9.8 8.1 12.1



#59
Bromoform
Concen: 9.461 ug/L
RT: 9.718 min Scan# 2699
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion: 173 Resp: 30443
Ion Ratio Lower Upper
173 100
175 48.4 39.5 59.3
254 10.3 8.2 12.2

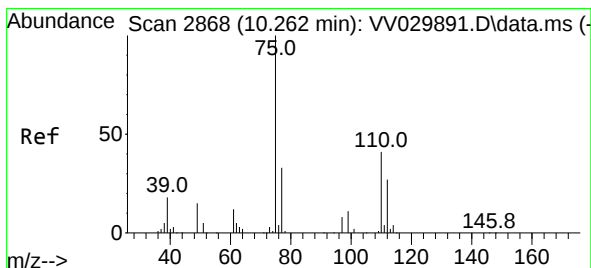
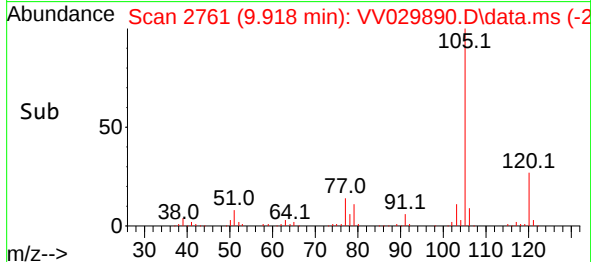
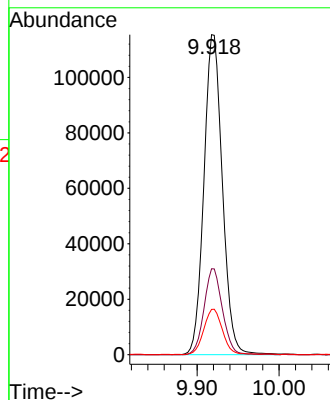
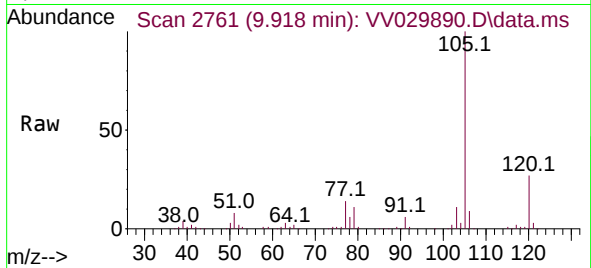




#60
Isopropylbenzene
Concen: 10.369 ug/L
RT: 9.918 min Scan# 2761
Delta R.T. -0.003 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

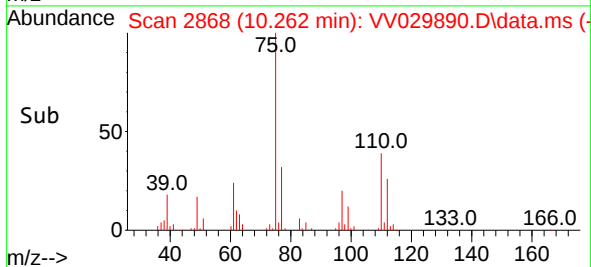
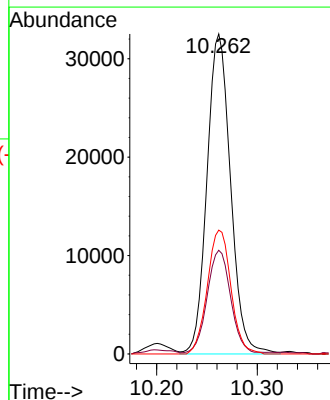
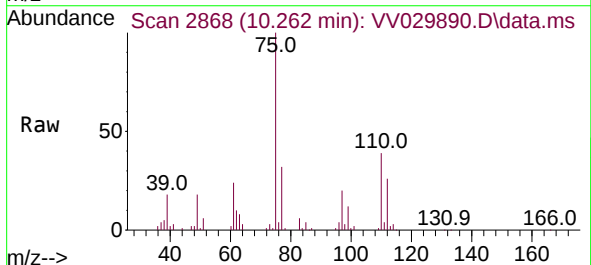
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

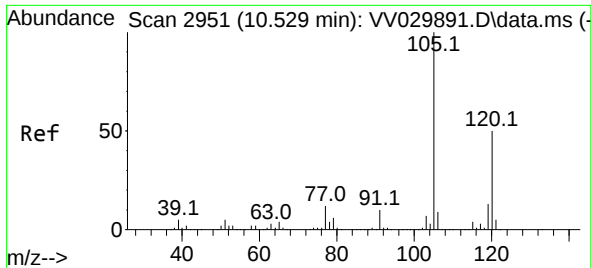
Tgt Ion:105 Resp: 180929
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.2
77 14.5 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 11.444 ug/L
RT: 10.262 min Scan# 2868
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion: 75 Resp: 53080
Ion Ratio Lower Upper
75 100
77 31.6 25.9 38.9
110 38.7 32.3 48.5

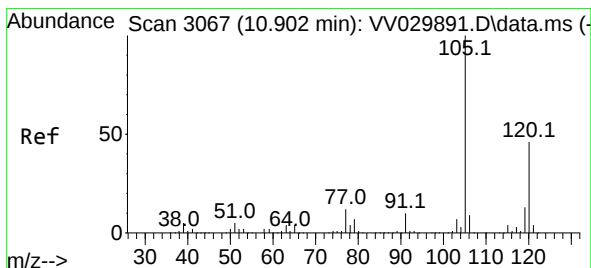
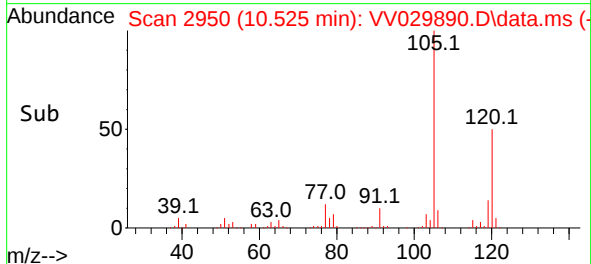
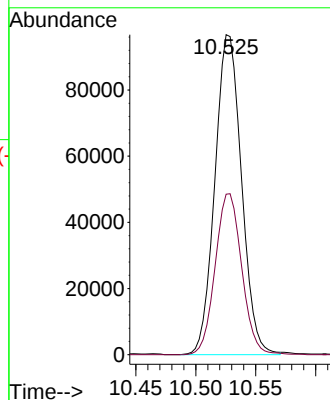
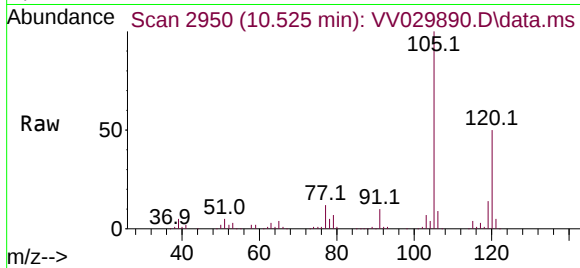




#62
1,3,5-Trimethylbenzene
Concen: 9.667 ug/L
RT: 10.525 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

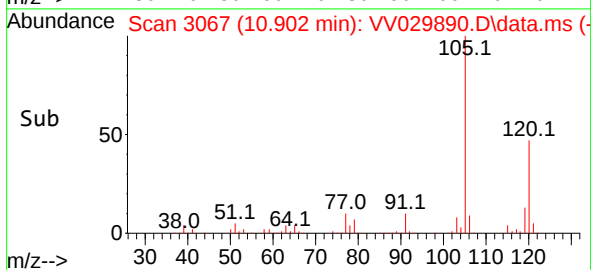
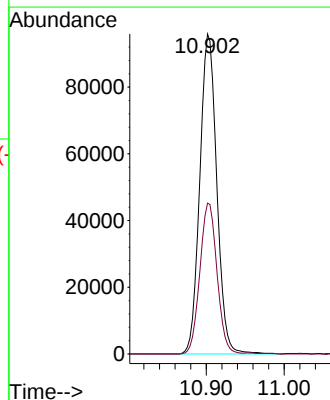
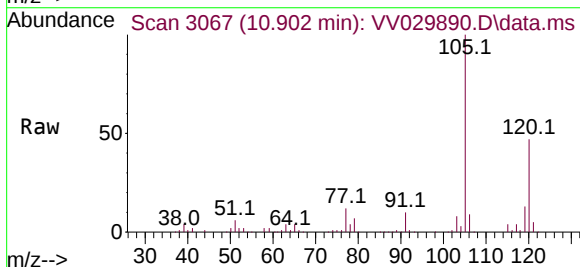
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

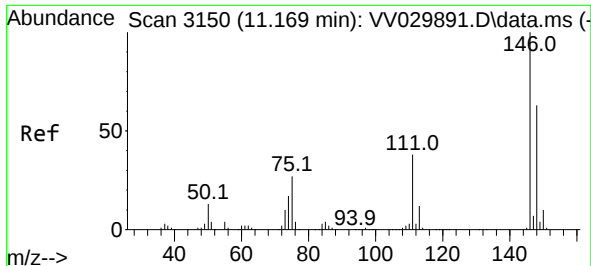
Tgt Ion:105 Resp: 149119
Ion Ratio Lower Upper
105 100
120 50.1 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 9.494 ug/L
RT: 10.902 min Scan# 3067
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion:105 Resp: 145116
Ion Ratio Lower Upper
105 100
120 47.5 37.0 55.6

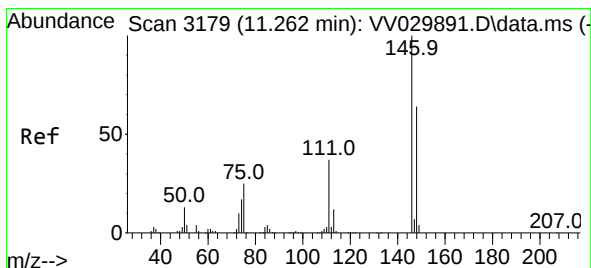
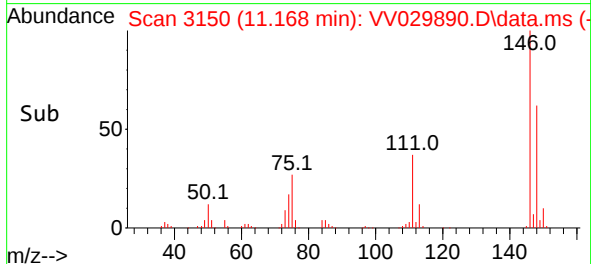
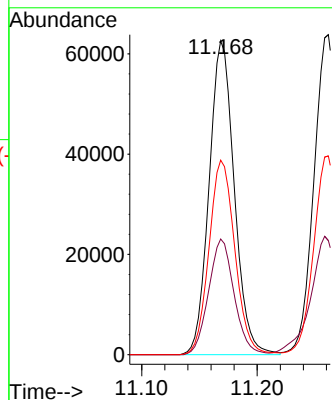
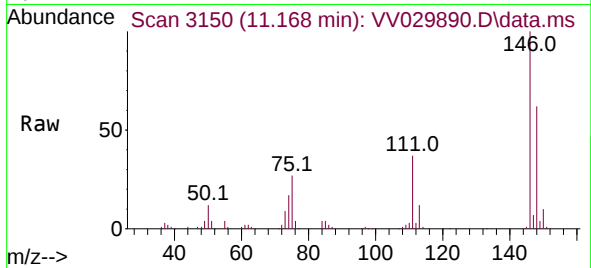




#64
1,3-Dichlorobenzene
Concen: 10.969 ug/L
RT: 11.168 min Scan# 3150
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

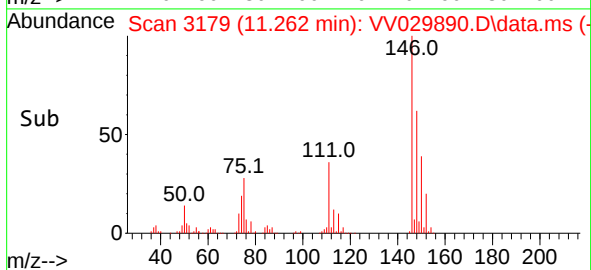
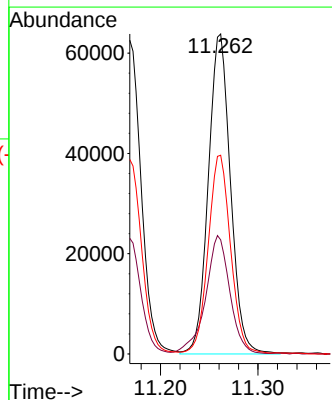
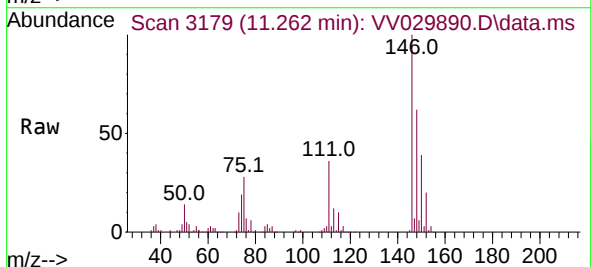
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

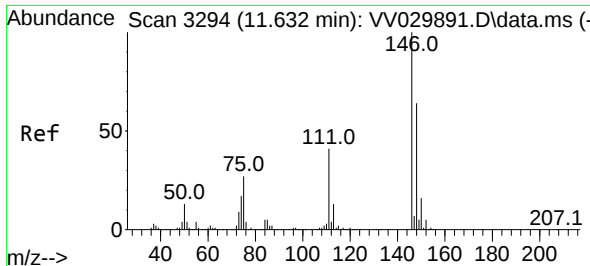
Tgt Ion:146 Resp: 94931
Ion Ratio Lower Upper
146 100
111 36.9 26.9 50.1
148 62.0 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 11.488 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion:146 Resp: 101176
Ion Ratio Lower Upper
146 100
111 35.7 26.2 48.8
148 62.1 44.9 83.5

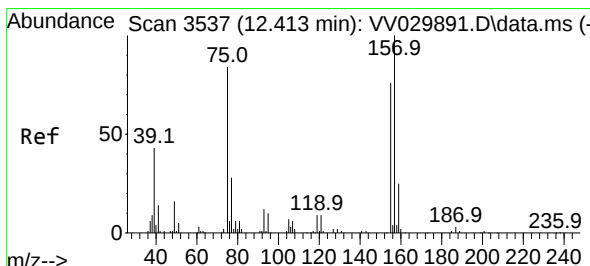
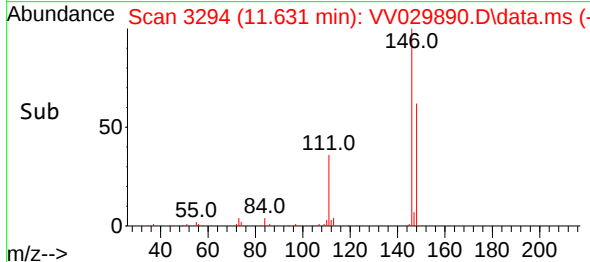
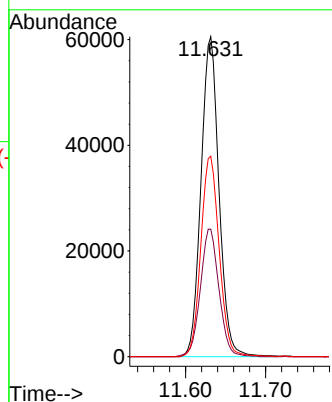
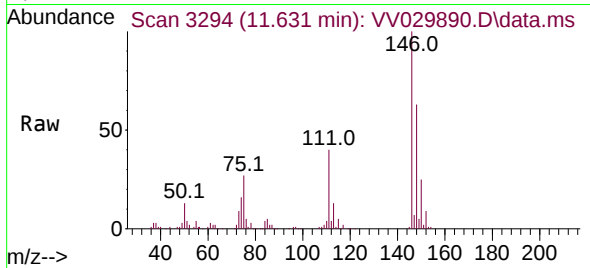




#67
1,2-Dichlorobenzene
Concen: 10.752 ug/L
RT: 11.631 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

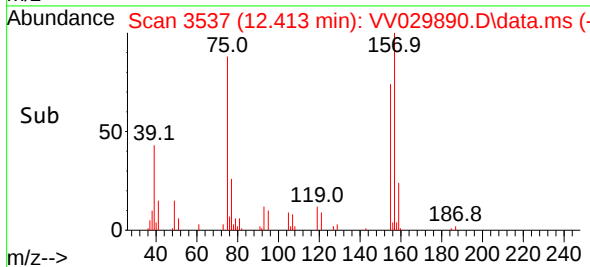
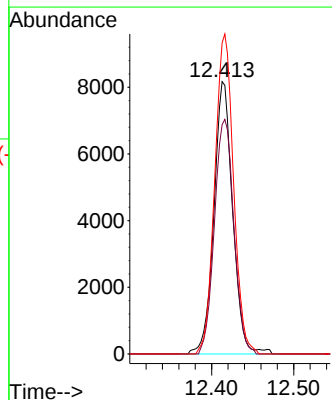
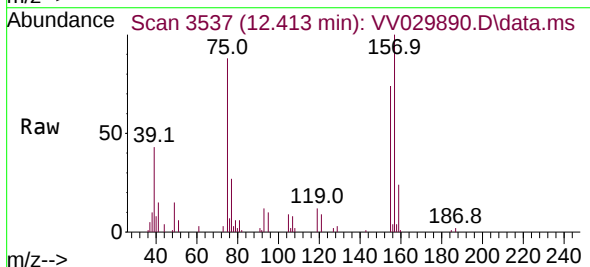
Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

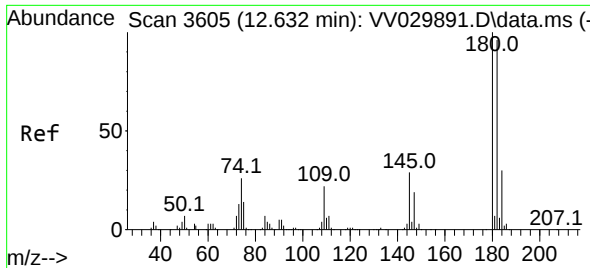
Tgt Ion:146 Resp: 94979
Ion Ratio Lower Upper
146 100
111 39.9 32.7 49.1
148 62.7 51.0 76.4



#68
1,2-Dibromo-3-chloropropane
Concen: 9.182 ug/L
RT: 12.413 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion: 75 Resp: 12979
Ion Ratio Lower Upper
75 100
155 84.2 72.3 108.5
157 114.2 95.4 143.2

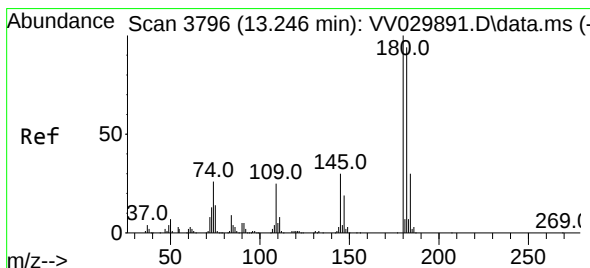
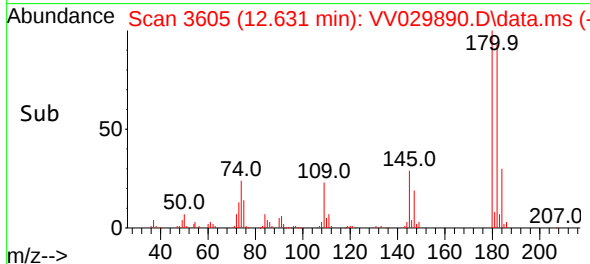
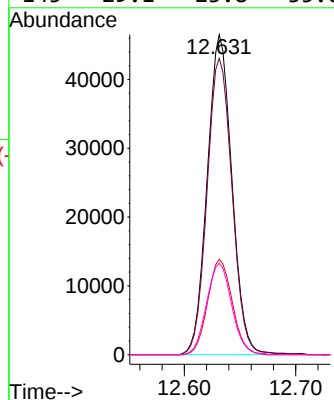
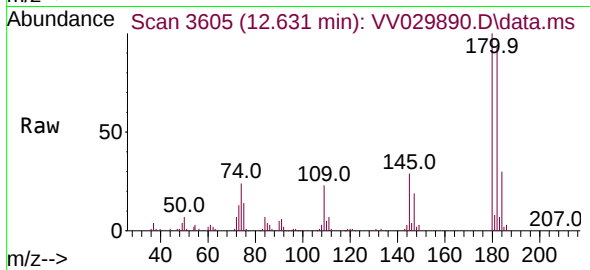




#69
 1,3,5-Trichlorobenzene
 Concen: 10.467 ug/L
 RT: 12.631 min Scan# 3605
 Delta R.T. -0.000 min
 Lab File: VV029890.D
 Acq: 18 Jan 2023 10:48

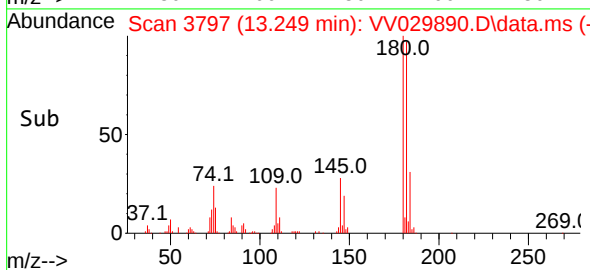
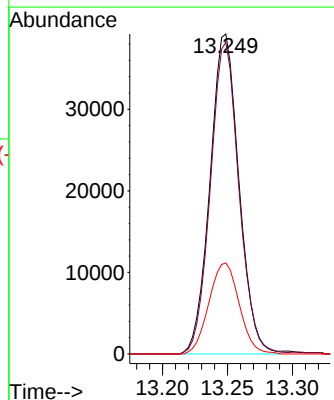
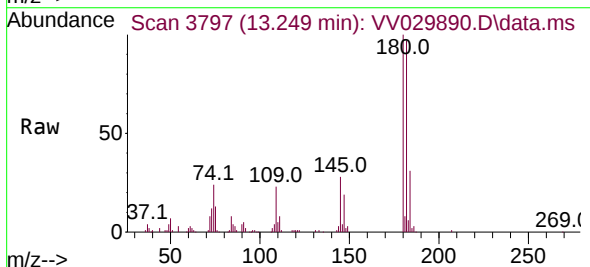
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010203

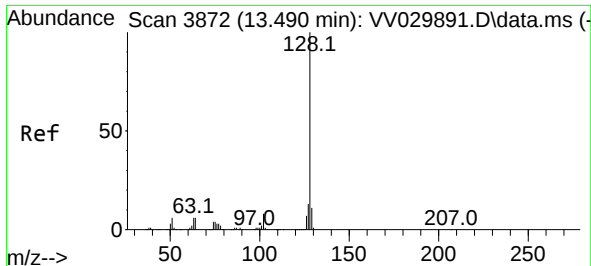
Tgt Ion:180	Resp:	71565
Ion Ratio	Lower	Upper
180	100	
182	93.8	76.2 114.4
184	29.7	23.9 35.9
145	29.1	23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 10.011 ug/L
 RT: 13.249 min Scan# 3797
 Delta R.T. 0.003 min
 Lab File: VV029890.D
 Acq: 18 Jan 2023 10:48

Tgt Ion:180	Resp:	60757
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.0 114.0
145	29.7	24.0 36.0

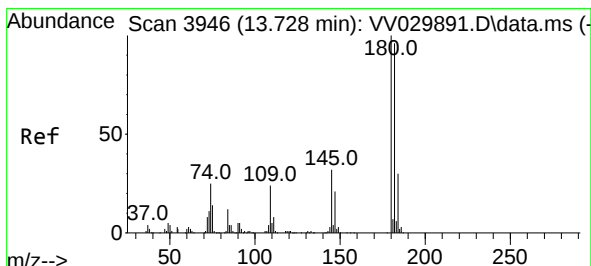
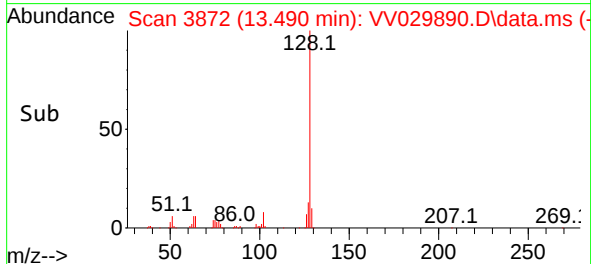
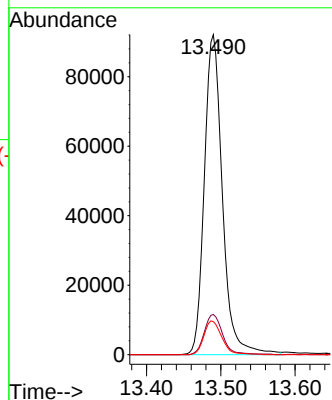
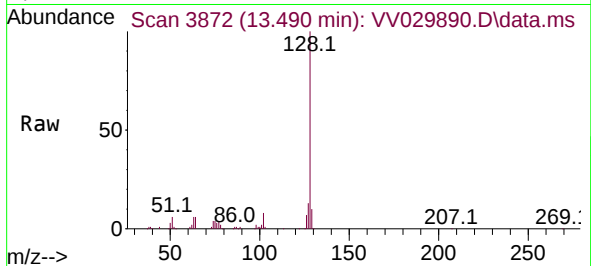




#71
Naphthalene
Concen: 10.818 ug/L
RT: 13.490 min Scan# 3872
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD010203

Tgt Ion:128 Resp: 155559
Ion Ratio Lower Upper
128 100
127 12.8 10.1 15.1
129 10.5 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 10.367 ug/L
RT: 13.728 min Scan# 3946
Delta R.T. -0.000 min
Lab File: VV029890.D
Acq: 18 Jan 2023 10:48

Tgt Ion:180 Resp: 61671
Ion Ratio Lower Upper
180 100
182 94.4 76.3 114.5
145 32.3 25.7 38.5

