

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051222\
 Data File : VW025888.D
 Acq On : 12 May 2022 17:33
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050294

Quant Time: May 13 07:10:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 13 07:07:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	327467	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	331779	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	187522	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	161635	38.245	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.500%
7) Chloroethane-d5	1.568	69	135888	36.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.220%
11) 1,1-Dichloroethene-d2	2.111	63	320225	43.323	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.640%
21) 2-Butanone-d5	3.896	46	148365	81.905	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.910%
24) Chloroform-d	4.349	84	253237	42.900	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.031	65	155450	43.573	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.140%
32) Benzene-d6	5.050	84	498137	43.068	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.140%
36) 1,2-Dichloropropane-d6	6.069	67	155247	43.701	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.400%
41) Toluene-d8	7.314	98	454595	42.658	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.320%
43) trans-1,3-Dichloroprop...	7.619	79	67796	42.752	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.500%
47) 2-Hexanone-d5	8.088	63	132287	101.570	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.570%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	217999	46.016	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.040%
66) 1,2-Dichlorobenzene-d4	11.622	152	175781	42.733	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	158922	46.939	ug/L	100
3) Chloromethane	1.243	50	193988	47.375	ug/L	99
5) Vinyl chloride	1.314	62	197690	47.488	ug/L	99
6) Bromomethane	1.523	94	113884	45.020	ug/L	99
8) Chloroethane	1.587	64	133061	42.800	ug/L	99
9) Trichlorofluoromethane	1.754	101	276920	46.809	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	157746	50.187	ug/L	98
12) 1,1-Dichloroethene	2.118	96	147127	47.592	ug/L	93
13) Acetone	2.185	43	98209	79.449	ug/L	98
14) Carbon disulfide	2.294	76	363603	47.551	ug/L	99
15) Methyl Acetate	2.436	43	124118	46.867	ug/L	99
16) Methylene chloride	2.507	84	146917	49.063	ug/L	98
17) trans-1,2-Dichloroethene	2.761	96	129678	48.824	ug/L	98
18) Methyl tert-butyl Ether	2.770	73	390209	50.515	ug/L	100
19) 1,1-Dichloroethane	3.188	63	248530	50.098	ug/L	99
20) cis-1,2-Dichloroethene	3.912	96	137879	48.093	ug/L	98
22) 2-Butanone	3.982	43	150995	91.597	ug/L	93
23) Bromochloromethane	4.249	128	72780	48.062	ug/L	97
25) Chloroform	4.375	83	256421	48.777	ug/L	98

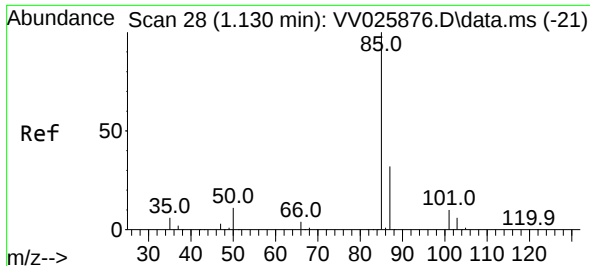
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051222\
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 QLast Update : Fri May 13 07:07:32 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	196785	49.512	ug/L	99
29) Cyclohexane	4.677	56	205109	51.064	ug/L	99
30) 1,1,1-Trichloroethane	4.609	97	218875	48.575	ug/L	99
31) Carbon tetrachloride	4.828	117	184276	48.713	ug/L	100
33) Benzene	5.098	78	558937	50.033	ug/L	100
34) Trichloroethene	5.912	95	143260	49.029	ug/L	99
35) Methylcyclohexane	6.130	83	231497	52.899	ug/L	98
37) 1,2-Dichloropropane	6.172	63	147509	52.563	ug/L	99
38) Bromodichloromethane	6.510	83	190495	50.197	ug/L	95
39) cis-1,3-Dichloropropene	7.027	75	199218	49.781	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	364381	111.081	ug/L	99
42) Toluene	7.387	91	606243	50.586	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	199267	51.756	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	140978	49.441	ug/L	99
46) Tetrachloroethene	7.976	164	105232	48.823	ug/L	99
48) 2-Hexanone	8.140	43	287435	112.617	ug/L	98
49) Dibromochloromethane	8.246	129	141568	50.334	ug/L	100
50) 1,2-Dibromoethane	8.352	107	145955	50.335	ug/L	98
51) Chlorobenzene	8.879	112	382059	49.785	ug/L	99
52) Ethylbenzene	9.011	91	634244	51.297	ug/L	99
53) m,p-Xylene	9.137	106	250470	52.228	ug/L	98
54) o-Xylene	9.542	106	240198	50.987	ug/L	97
55) Styrene	9.558	104	431236	52.535	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.239	83	217983	51.237	ug/L	99
59) Bromoform	9.728	173	91015	50.314	ug/L	98
60) Isopropylbenzene	9.931	105	641802	51.096	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	182186	49.084	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	328240	50.698	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	525540	52.317	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	291361	49.004	ug/L	98
65) 1,4-Dichlorobenzene	11.272	146	300483	48.225	ug/L	100
67) 1,2-Dichlorobenzene	11.641	146	299223	48.655	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	43153	50.358	ug/L	96
69) 1,3,5-Trichlorobenzene	12.641	180	202613	49.354	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	175036	50.070	ug/L	98
71) Naphthalene	13.500	128	551621	53.281	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	185719	52.133	ug/L	99

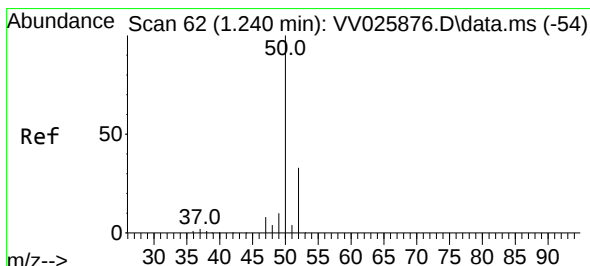
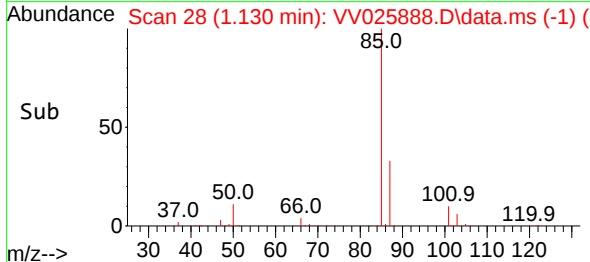
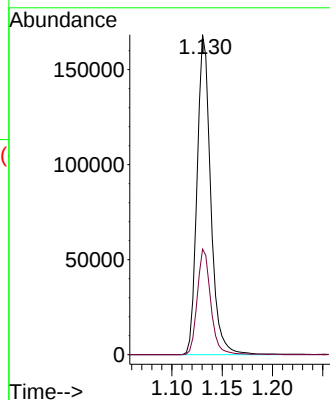
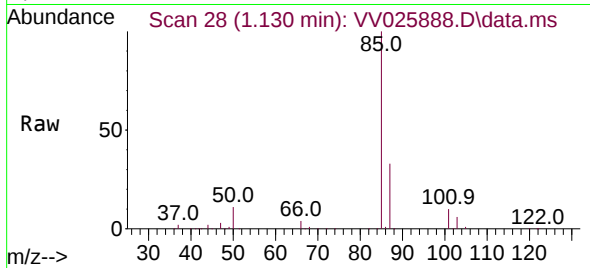
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 46.939 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

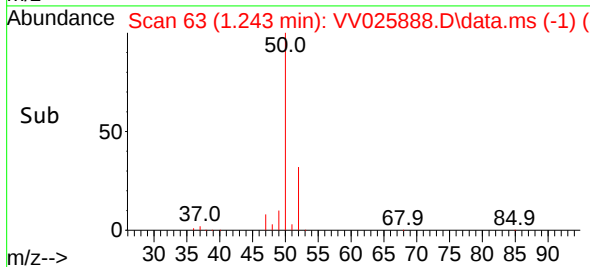
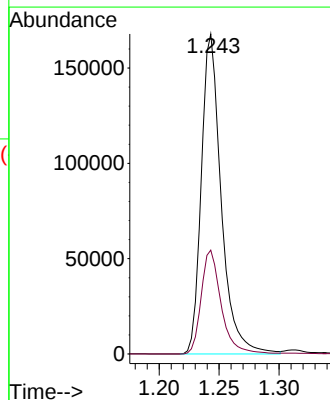
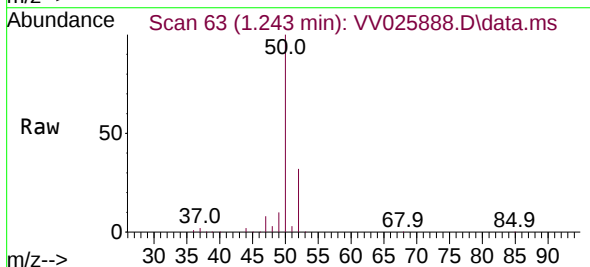
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050294

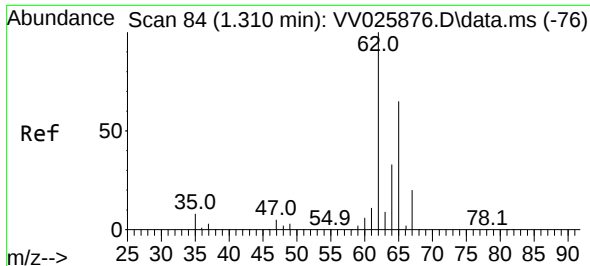
Tgt Ion: 85 Resp: 158922
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.0 39.0



#3
 Chloromethane
 Concen: 47.375 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

Tgt Ion: 50 Resp: 193988
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.2 43.2

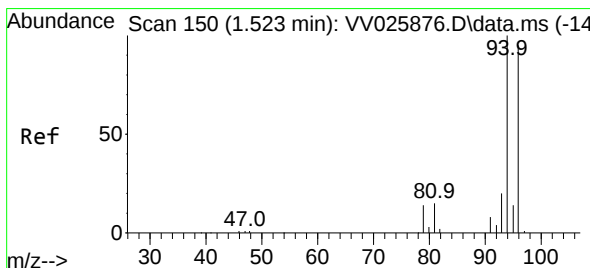
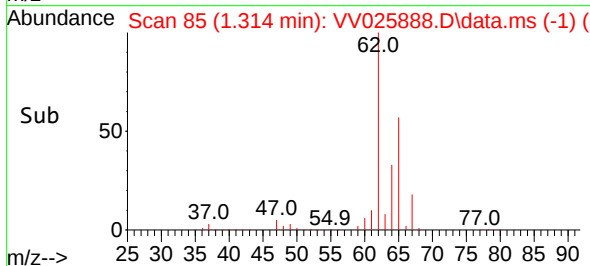
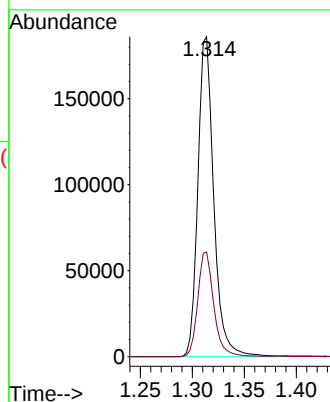
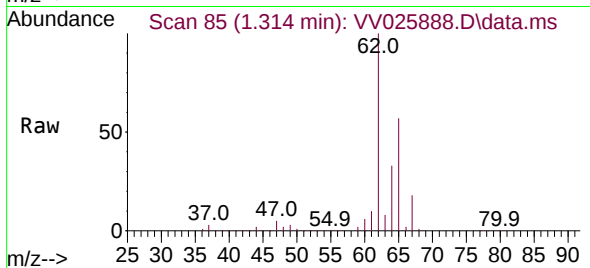




#5
 Vinyl chloride
 Concen: 47.488 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

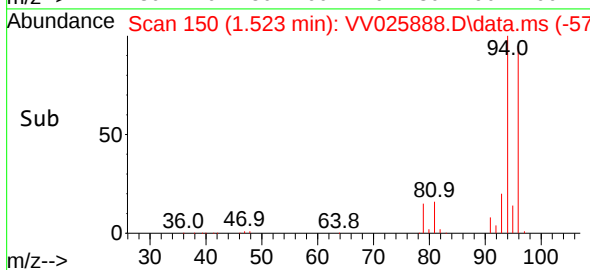
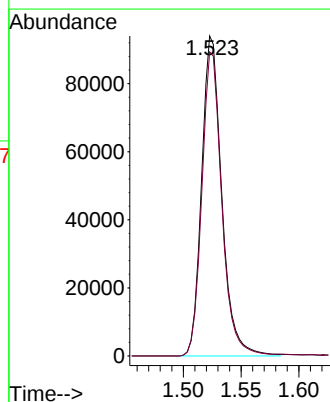
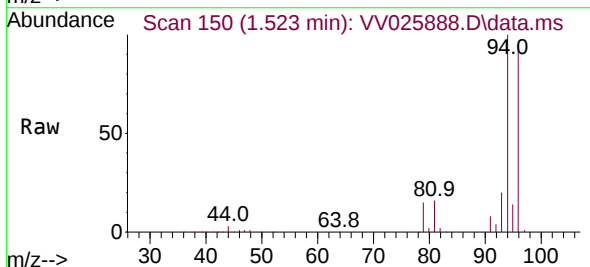
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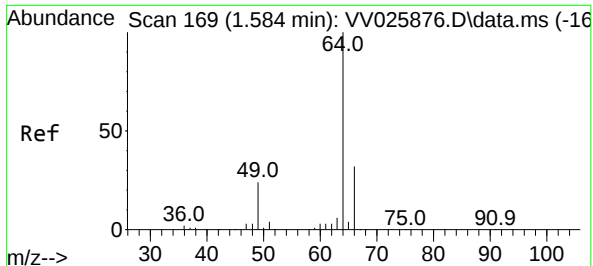
Tgt Ion: 62 Resp: 197690
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.2 43.0



#6
 Bromomethane
 Concen: 45.020 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

Tgt Ion: 94 Resp: 113884
 Ion Ratio Lower Upper
 94 100
 96 95.0 65.9 122.3

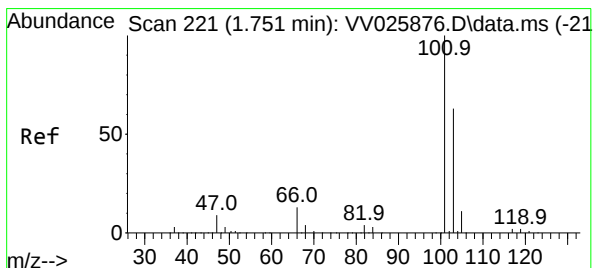
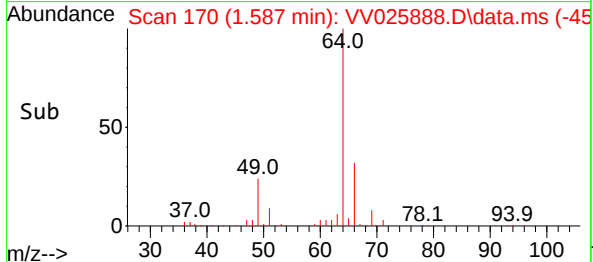
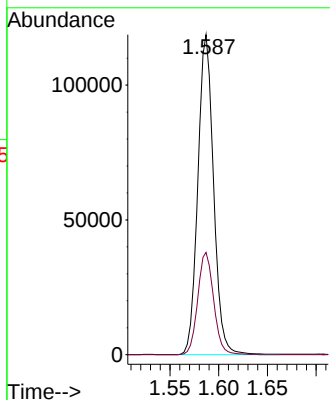
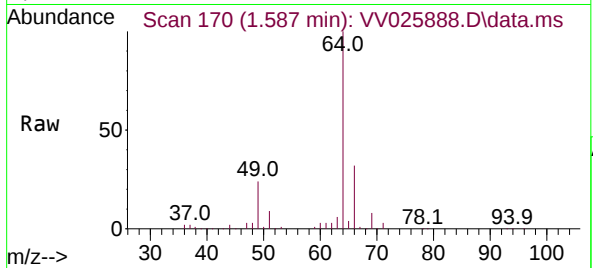




#8
Chloroethane
Concen: 42.800 ug/L
RT: 1.587 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

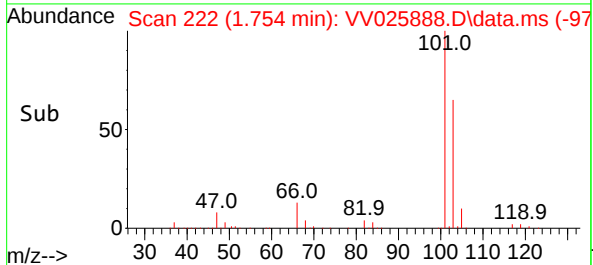
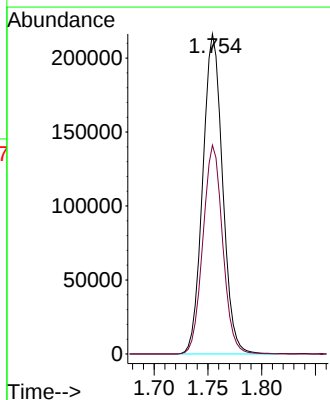
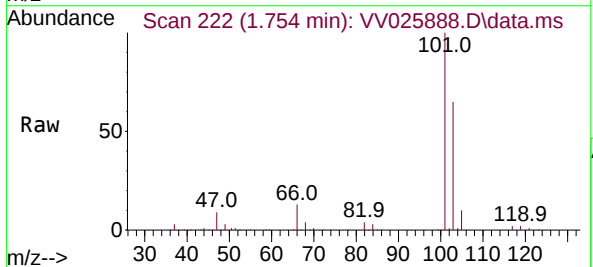
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ClientSampleId :
VSTD050294

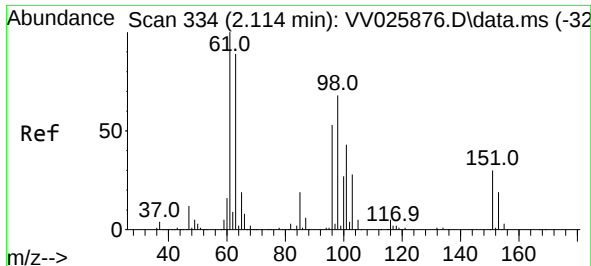
Tgt Ion: 64 Resp: 133061
Ion Ratio Lower Upper
64 100
66 32.0 22.9 42.5



#9
Trichlorofluoromethane
Concen: 46.809 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 101 Resp: 276920
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.187 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050294

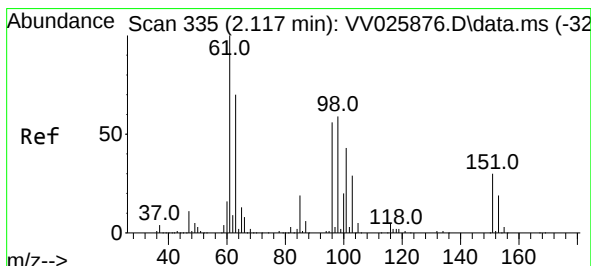
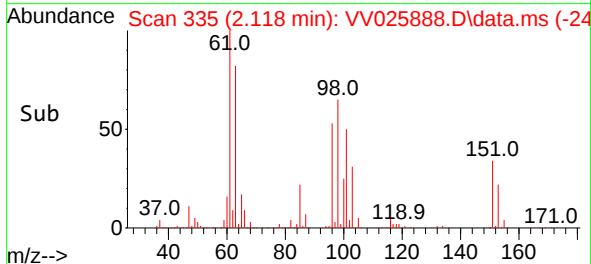
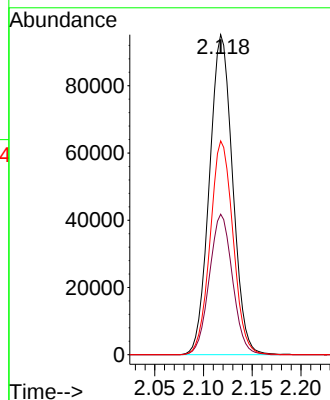
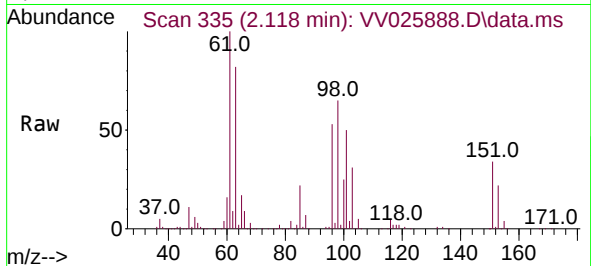
Tgt Ion:101 Resp: 157746

Ion Ratio Lower Upper

101 100

85 43.7 34.6 51.8

151 66.1 54.3 81.5



#12

1,1-Dichloroethene

Concen: 47.592 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.000 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

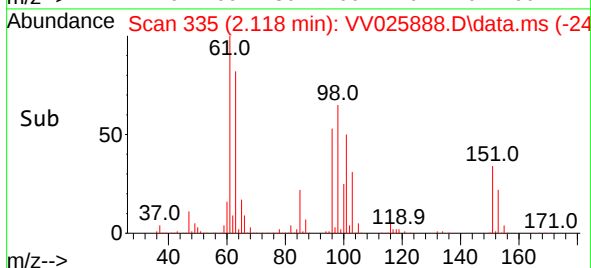
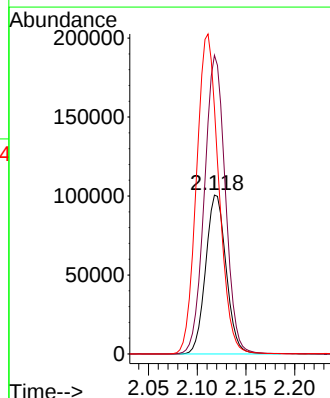
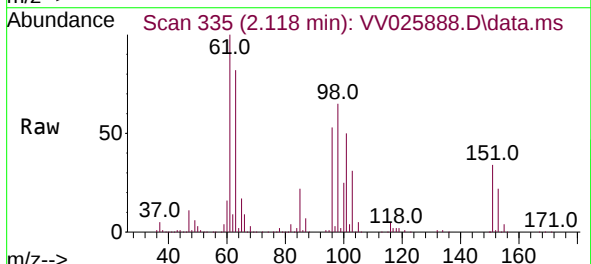
Tgt Ion: 96 Resp: 147127

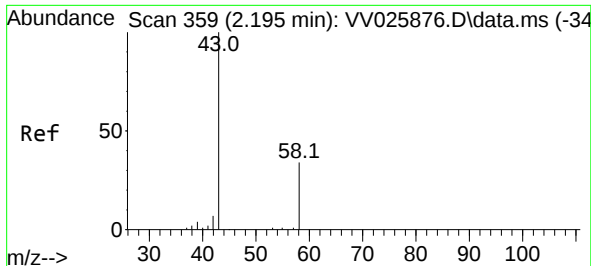
Ion Ratio Lower Upper

96 100

61 188.0 124.6 231.4

63 155.0 101.6 188.6

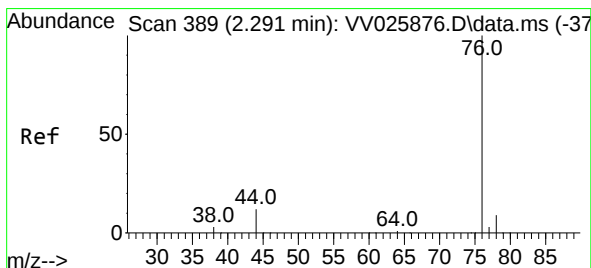
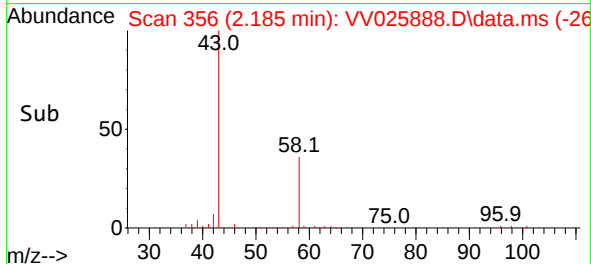
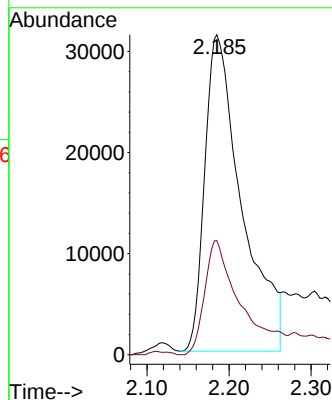
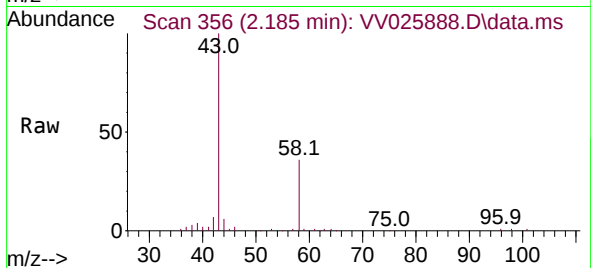




#13
Acetone
Concen: 79.449 ug/L
RT: 2.185 min Scan# 31
Delta R.T. -0.009 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

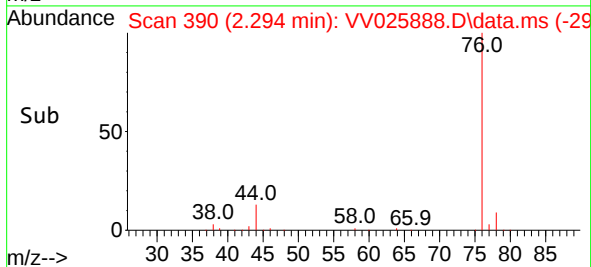
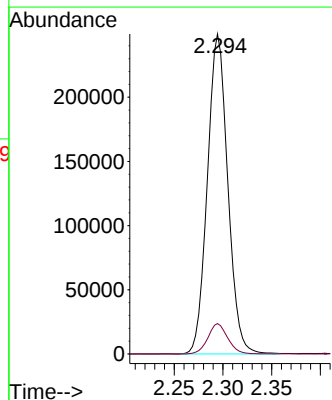
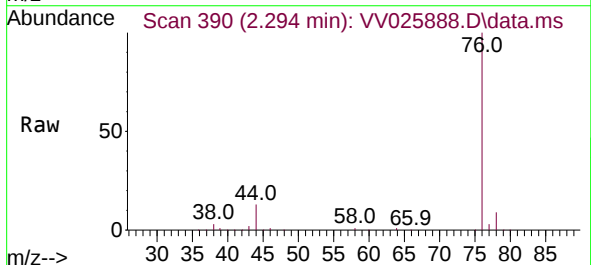
Instrument :
MSVOA_V
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VSTD050294

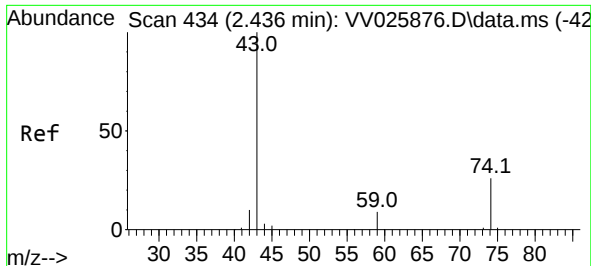
Tgt Ion: 43 Resp: 98209
Ion Ratio Lower Upper
43 100
58 33.6 0.0 65.0



#14
Carbon disulfide
Concen: 47.551 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 76 Resp: 363603
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

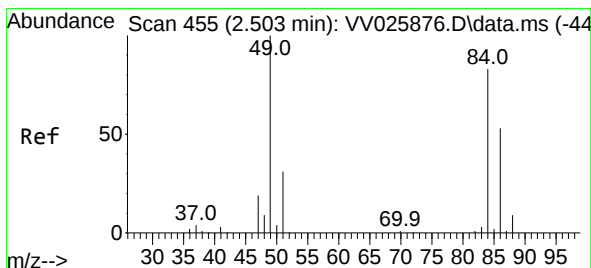
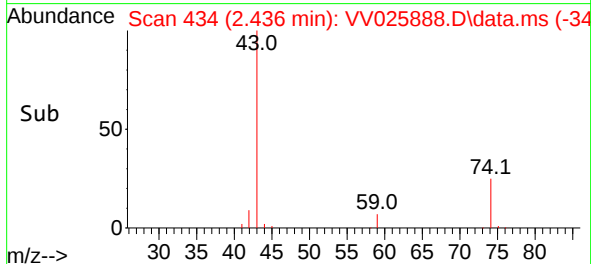
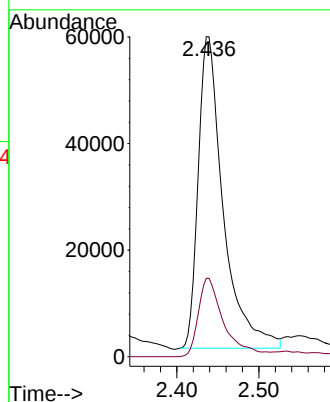
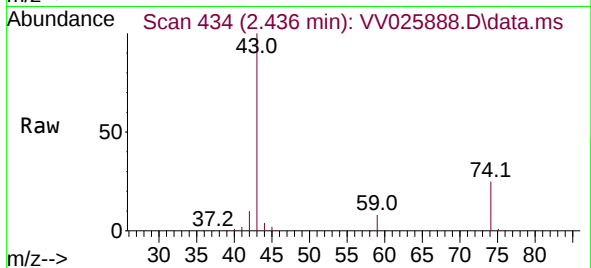




#15
Methyl Acetate
Concen: 46.867 ug/L
RT: 2.436 min Scan# 411
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

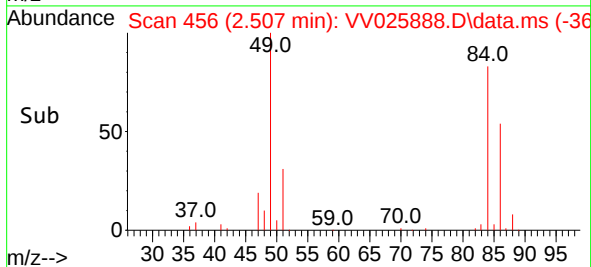
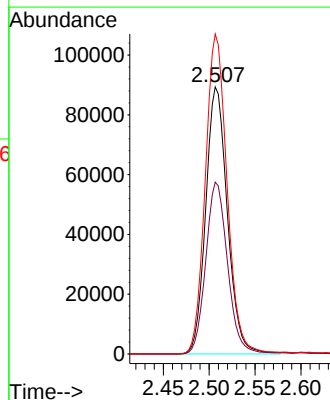
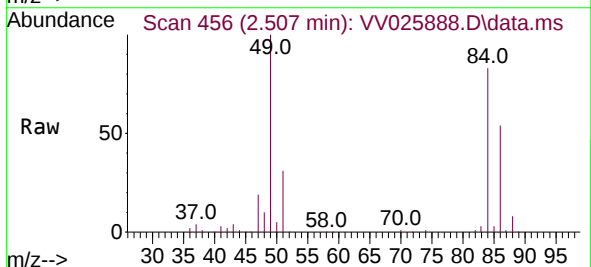
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

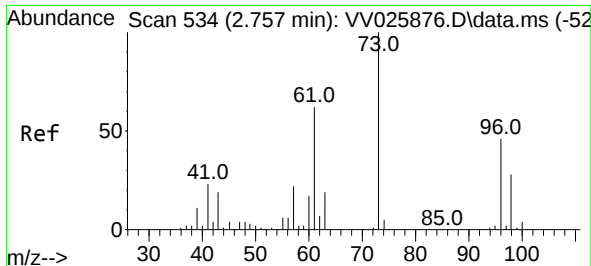
Tgt Ion: 43 Resp: 124118
Ion Ratio Lower Upper
43 100
74 25.3 20.7 31.1



#16
Methylene chloride
Concen: 49.063 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 84 Resp: 146917
Ion Ratio Lower Upper
84 100
86 64.3 44.2 82.0
49 119.9 82.7 153.5

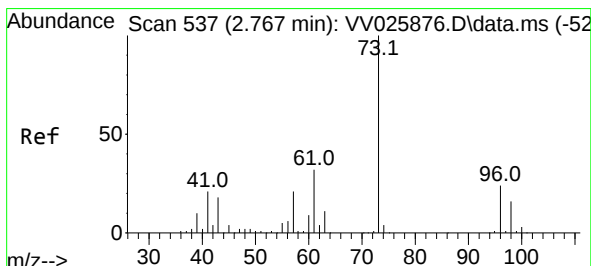
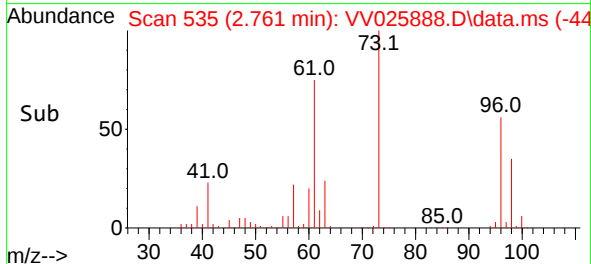
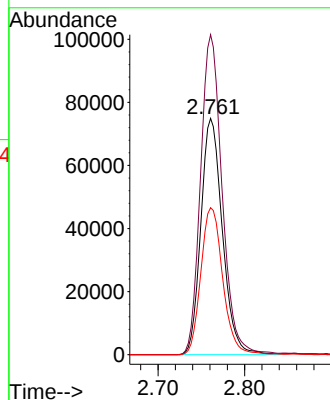
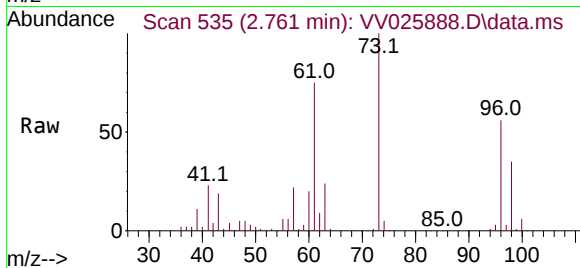




#17
trans-1,2-Dichloroethene
Concen: 48.824 ug/L
RT: 2.761 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

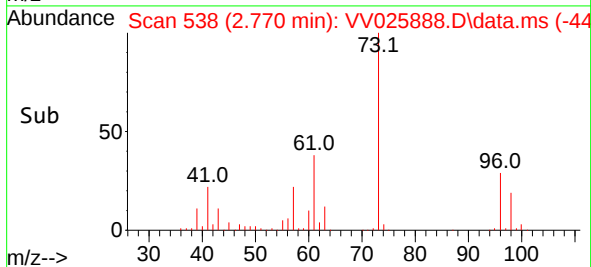
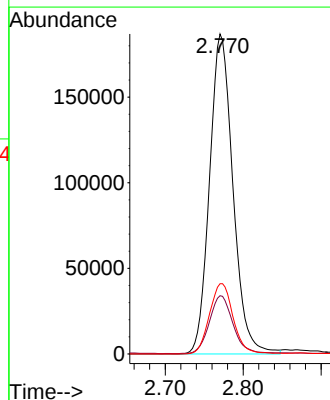
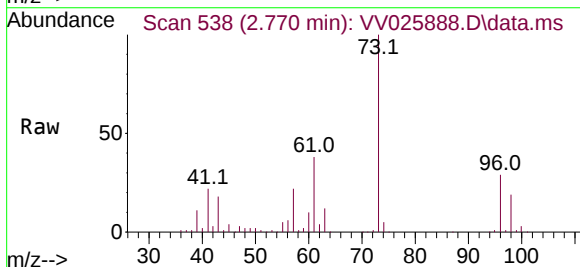
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

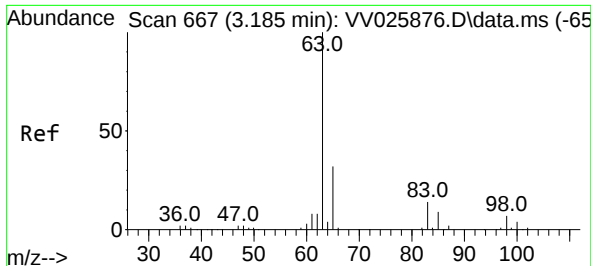
Tgt Ion: 96 Resp: 129678
Ion Ratio Lower Upper
96 100
61 135.4 92.7 172.1
98 62.2 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 50.515 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 73 Resp: 390209
Ion Ratio Lower Upper
73 100
43 18.3 14.6 22.0
57 22.2 17.5 26.3

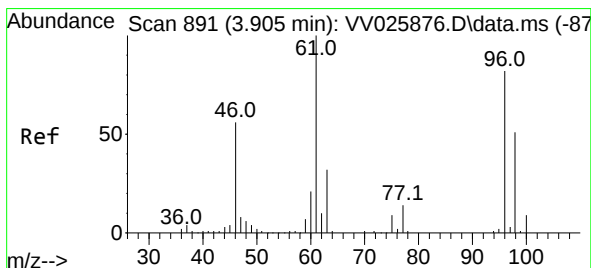
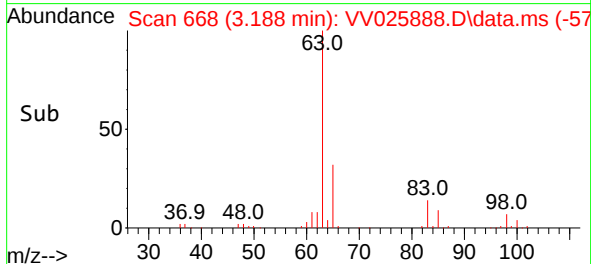
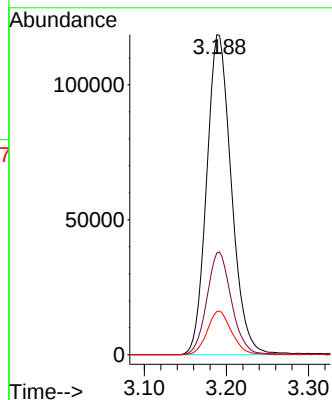
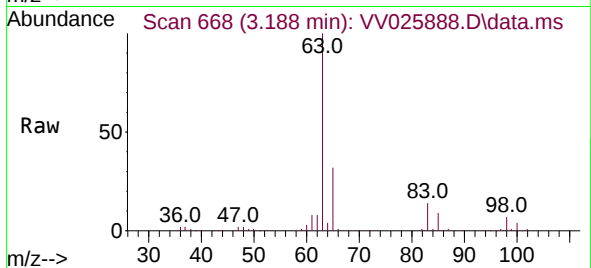




#19
1,1-Dichloroethane
Concen: 50.098 ug/L
RT: 3.188 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

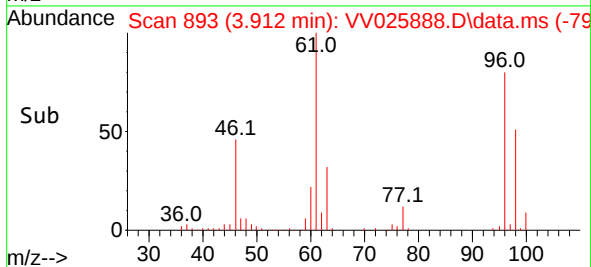
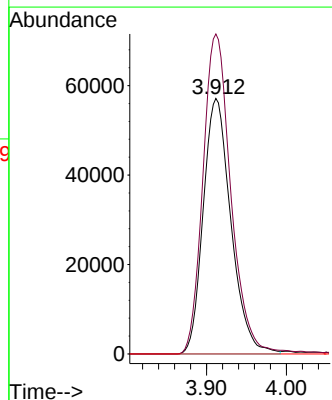
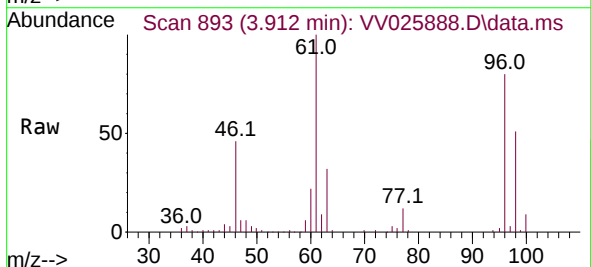
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

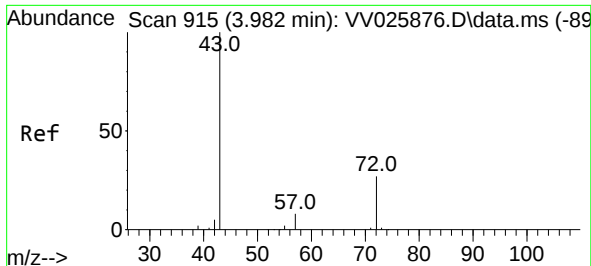
Tgt Ion: 63 Resp: 248530
Ion Ratio Lower Upper
63 100
65 31.8 22.0 40.8
83 13.5 9.2 17.0



#20
cis-1,2-Dichloroethene
Concen: 48.093 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.007 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 96 Resp: 137879
Ion Ratio Lower Upper
96 100
61 125.2 86.0 159.6
68 0.0 0.0 0.0

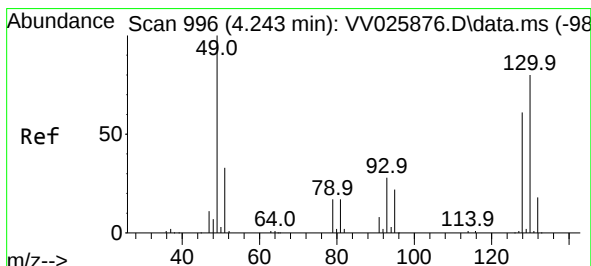
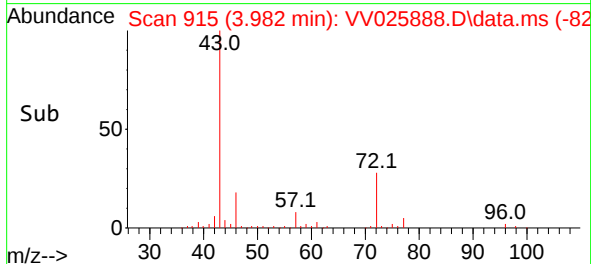
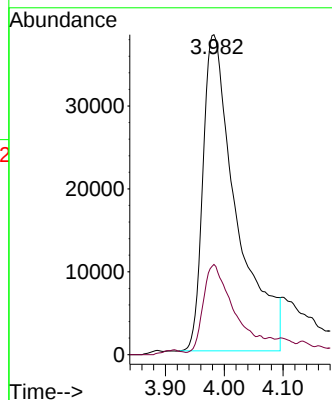
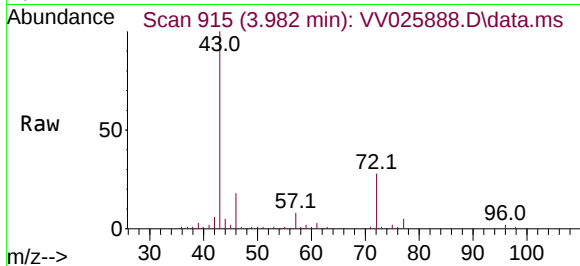




#22
2-Butanone
Concen: 91.597 ug/L
RT: 3.982 min Scan# 915
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

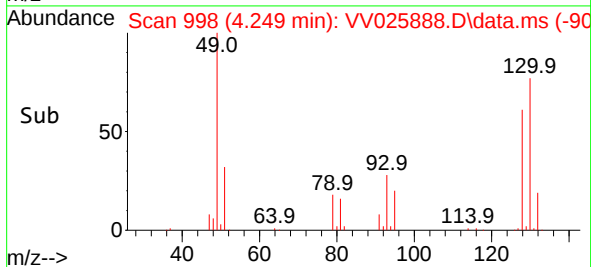
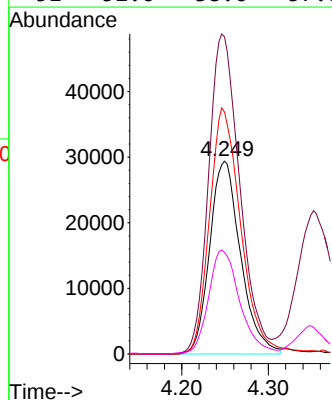
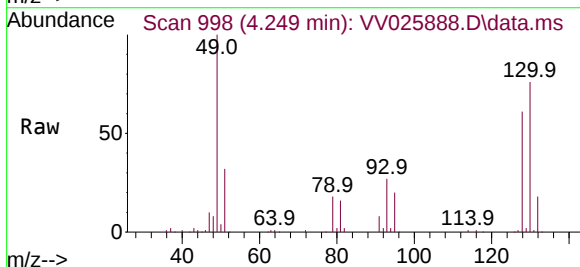
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

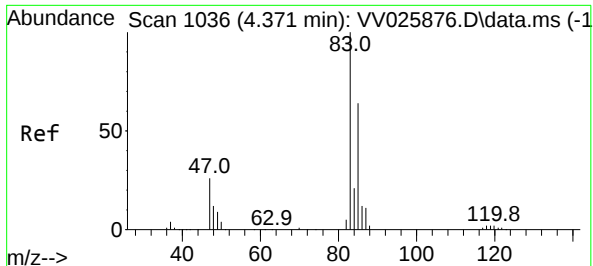
Tgt Ion: 43 Resp: 150995
Ion Ratio Lower Upper
43 100
72 24.2 13.8 41.4



#23
Bromochloromethane
Concen: 48.062 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.007 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion:128 Resp: 72780
Ion Ratio Lower Upper
128 100
49 164.3 111.0 206.2
130 125.4 87.1 161.7
51 52.6 38.6 57.8

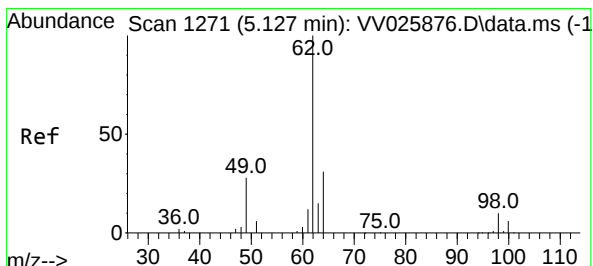
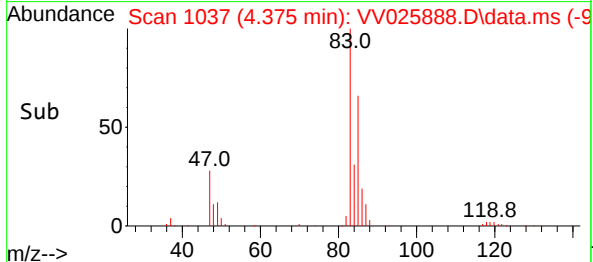
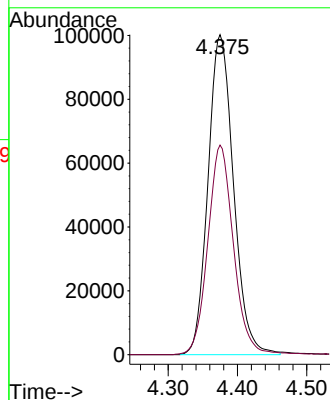
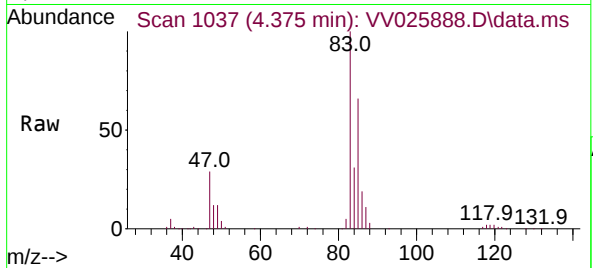




#25
Chloroform
Concen: 48.777 ug/L
RT: 4.375 min Scan# 1036
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

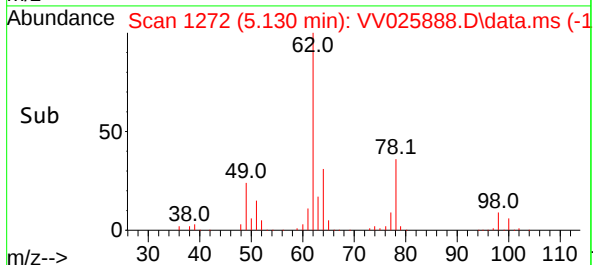
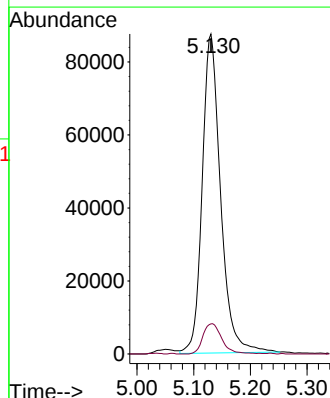
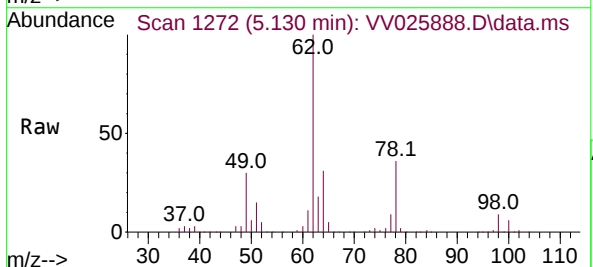
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

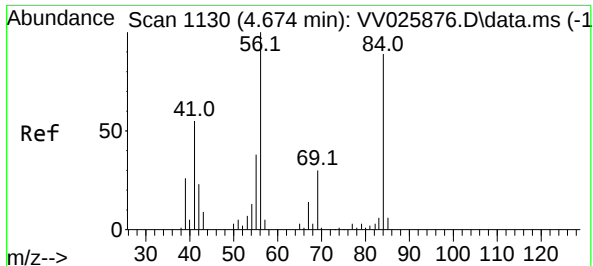
Tgt Ion: 83 Resp: 256421
Ion Ratio Lower Upper
83 100
85 65.5 44.9 83.3



#27
1,2-Dichloroethane
Concen: 49.512 ug/L
RT: 5.130 min Scan# 1272
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 62 Resp: 196785
Ion Ratio Lower Upper
62 100
98 9.4 7.7 11.5





#29

Cyclohexane

Concen: 51.064 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050294

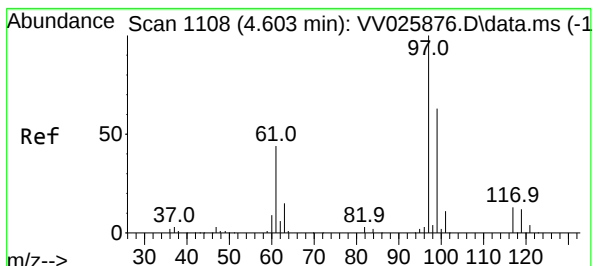
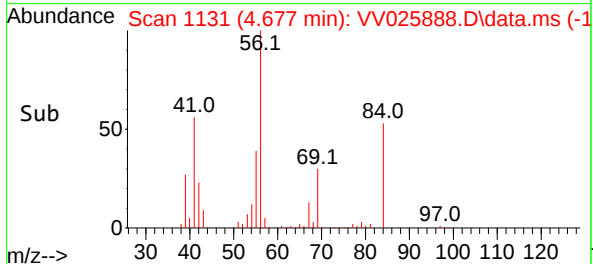
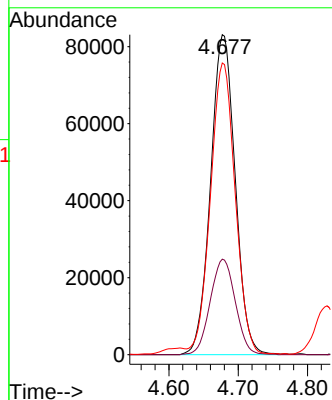
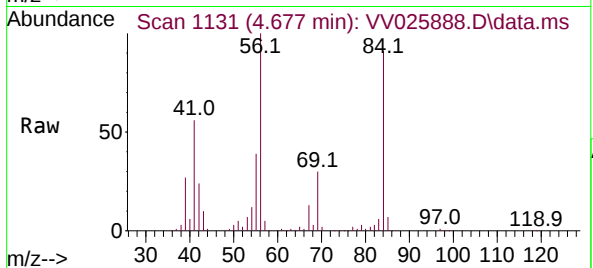
Tgt Ion: 56 Resp: 205109

Ion Ratio Lower Upper

56 100

69 30.4 24.8 37.2

84 91.1 73.8 110.8



#30

1,1,1-Trichloroethane

Concen: 48.575 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.007 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

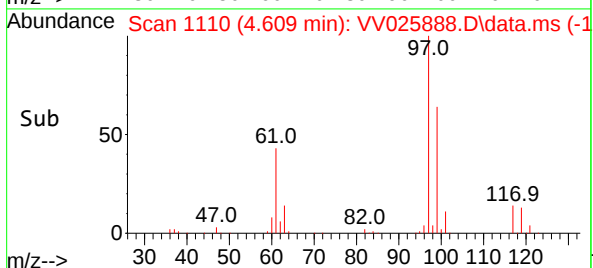
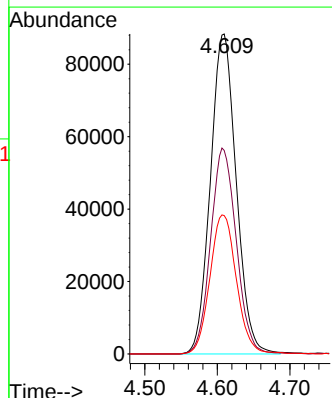
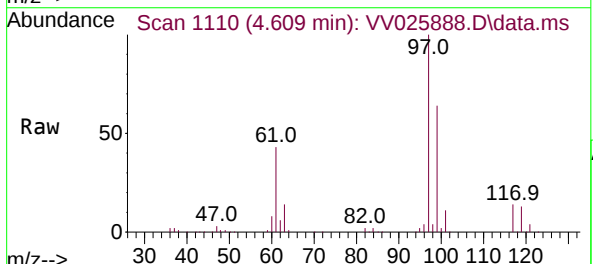
Tgt Ion: 97 Resp: 218875

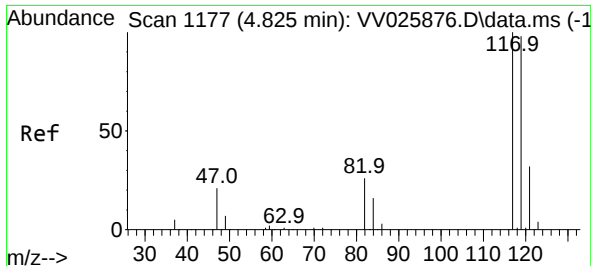
Ion Ratio Lower Upper

97 100

99 64.1 52.6 78.8

61 44.4 35.6 53.4

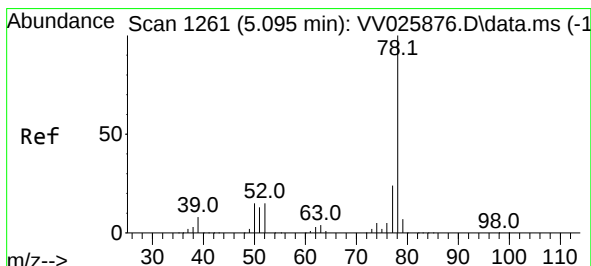
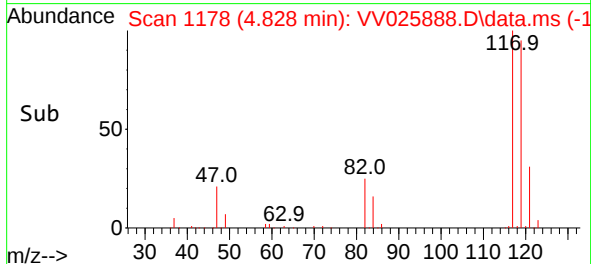
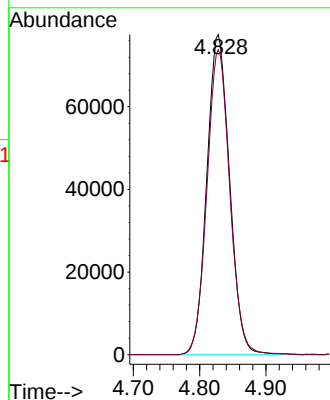
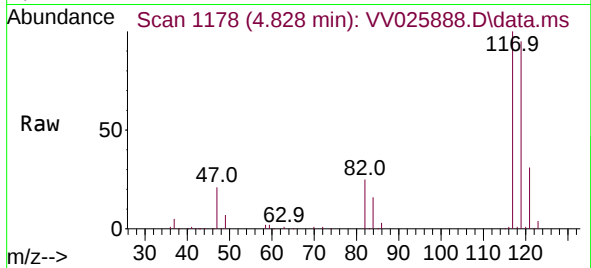




#31
Carbon tetrachloride
Concen: 48.713 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

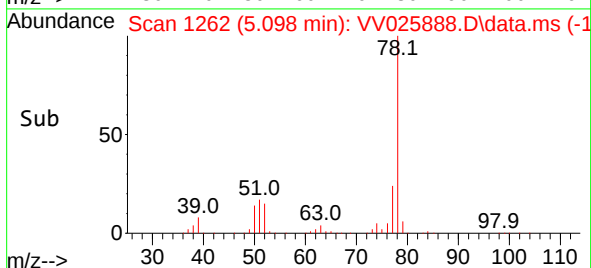
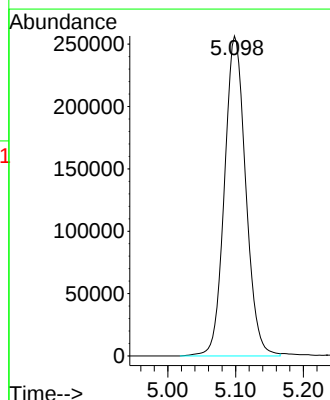
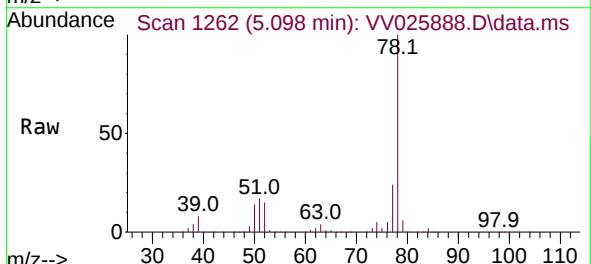
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

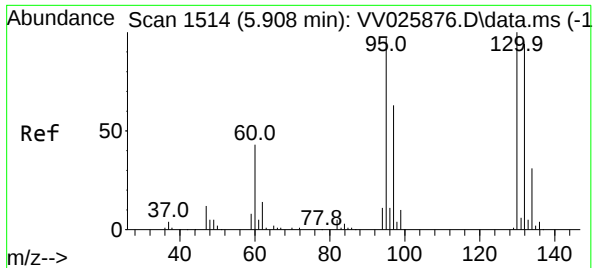
Tgt Ion:117 Resp: 184276
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3



#33
Benzene
Concen: 50.033 ug/L
RT: 5.098 min Scan# 1262
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 78 Resp: 558937

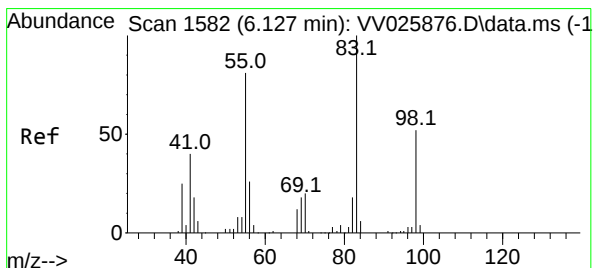
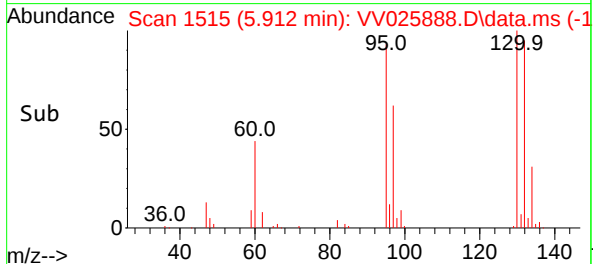
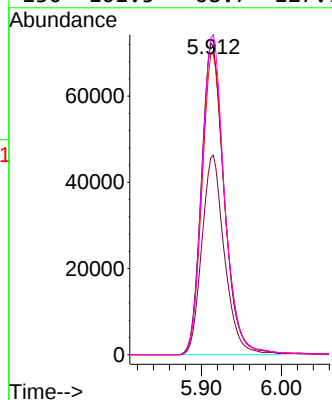
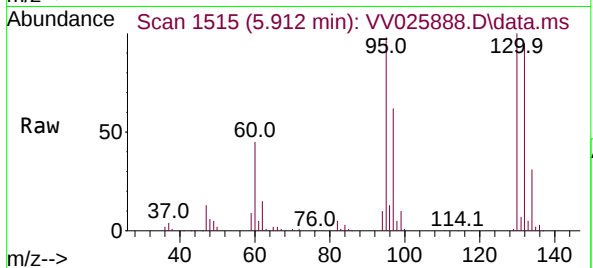




#34
Trichloroethene
Concen: 49.029 ug/L
RT: 5.912 min Scan# 1514
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

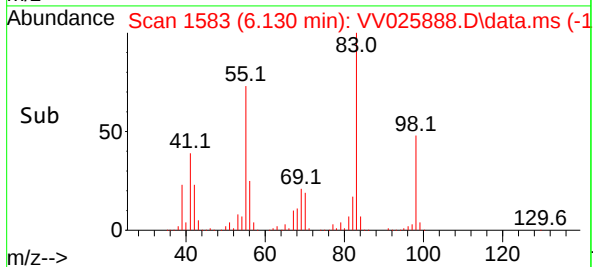
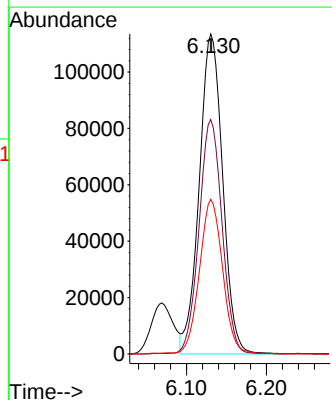
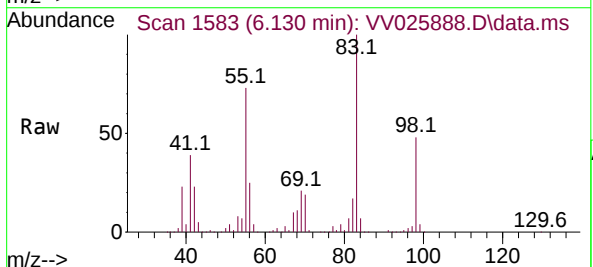
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

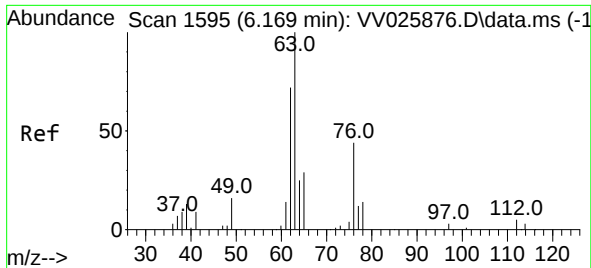
Tgt Ion: 95 Resp: 143260
Ion Ratio Lower Upper
95 100
97 63.1 44.2 82.0
132 96.3 67.7 125.7
130 101.5 68.7 127.7



#35
Methylcyclohexane
Concen: 52.899 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 83 Resp: 231497
Ion Ratio Lower Upper
83 100
55 71.9 58.6 87.8
98 47.5 39.1 58.7





#37

1,2-Dichloropropane

Concen: 52.563 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

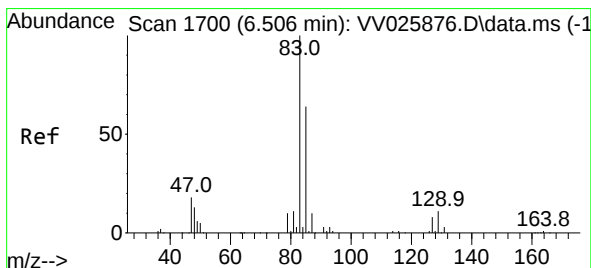
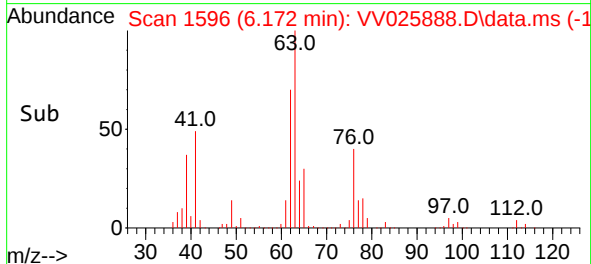
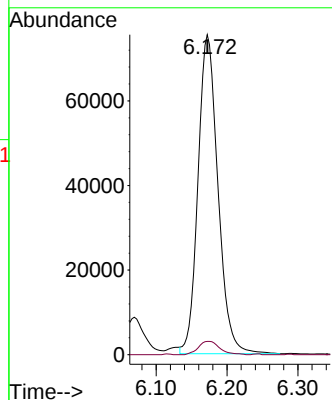
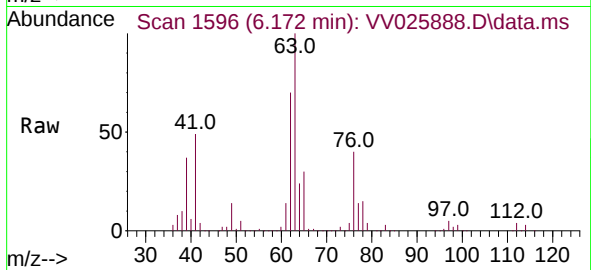
VSTD050294

Tgt Ion: 63 Resp: 147509

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 50.197 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

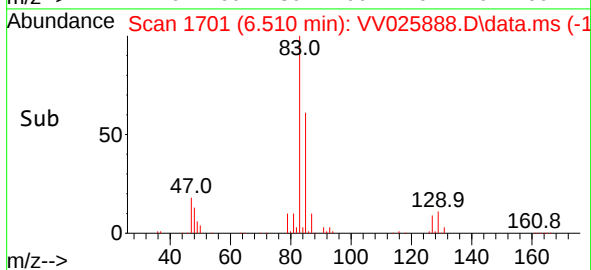
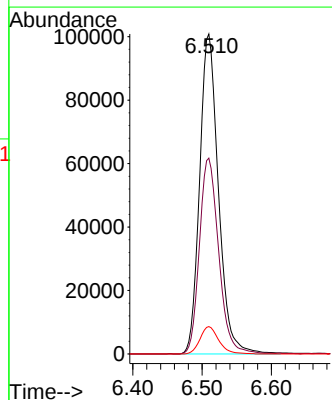
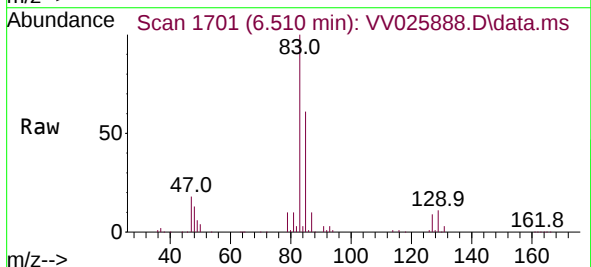
Tgt Ion: 83 Resp: 190495

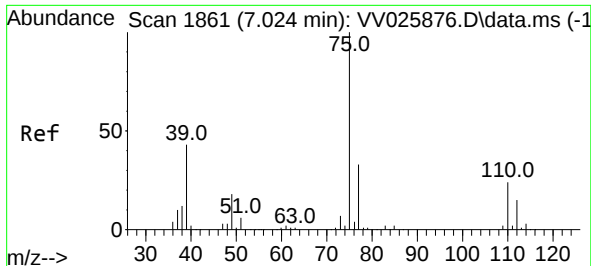
Ion Ratio Lower Upper

83 100

85 61.2 46.0 85.4

127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 49.781 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

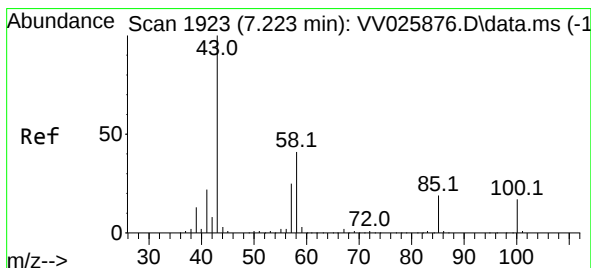
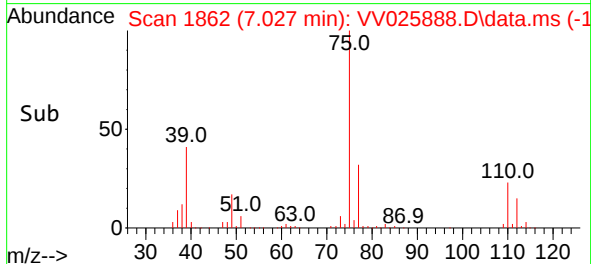
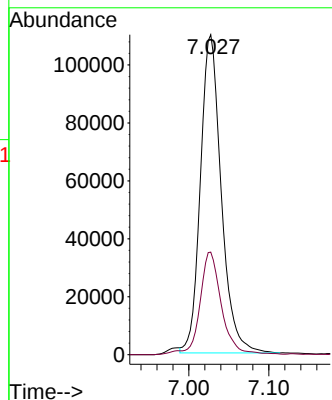
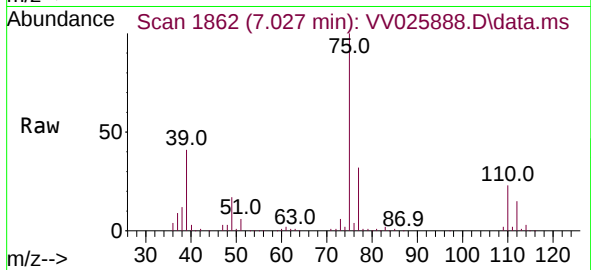
VSTD050294

Tgt Ion: 75 Resp: 199218

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 111.081 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

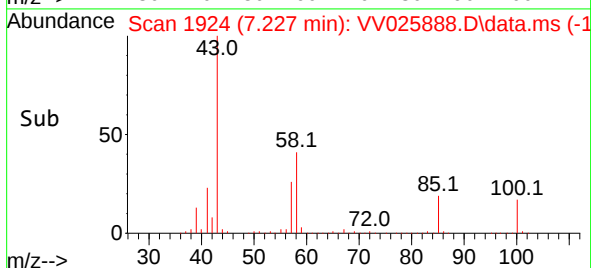
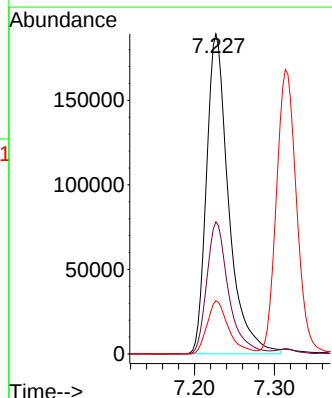
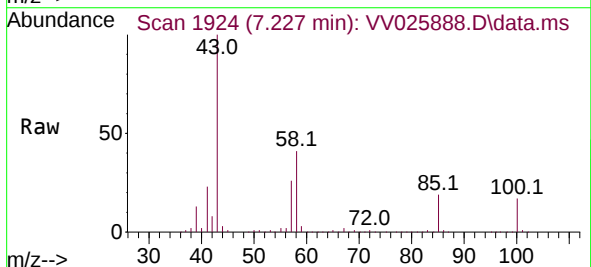
Tgt Ion: 43 Resp: 364381

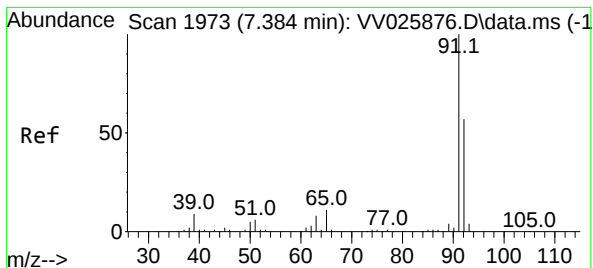
Ion Ratio Lower Upper

43 100

58 40.7 32.9 49.3

100 16.3 13.7 20.5





#42

Toluene

Concen: 50.586 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

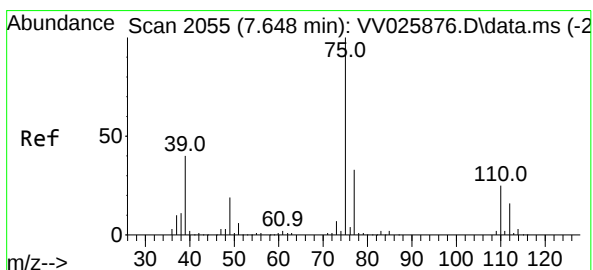
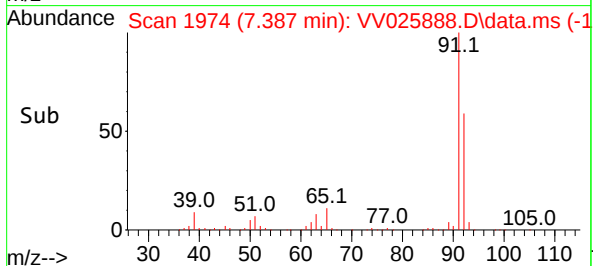
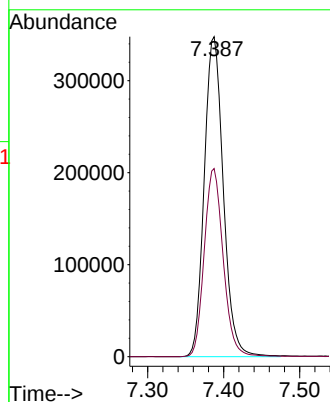
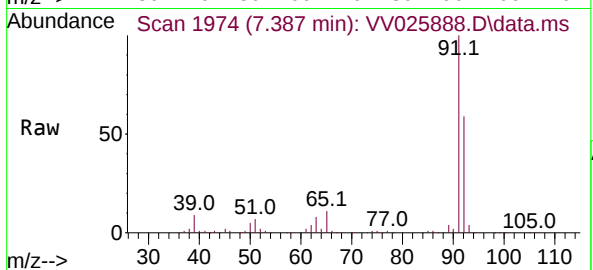
VSTD050294

Tgt Ion: 91 Resp: 606243

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 51.756 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV025888.D

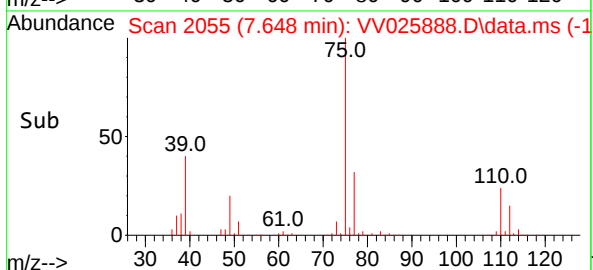
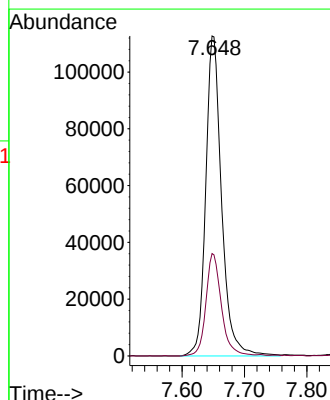
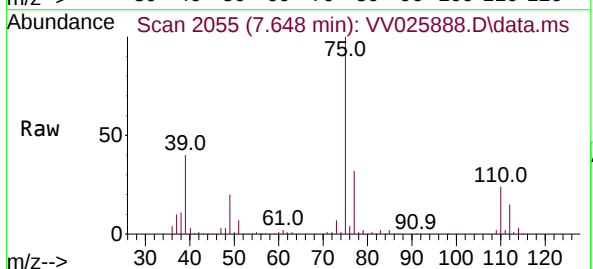
Acq: 12 May 2022 17:33

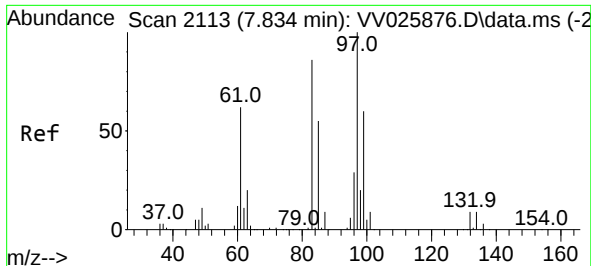
Tgt Ion: 75 Resp: 199267

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 49.441 ug/L

RT: 7.838 min Scan# 2113

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050294

Tgt Ion: 97 Resp: 140978

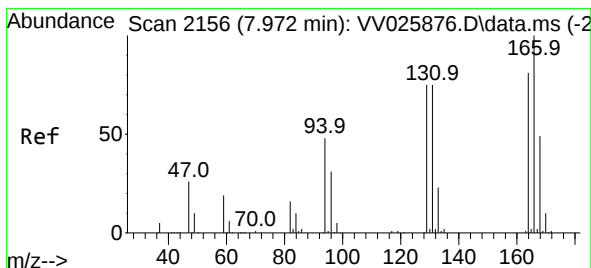
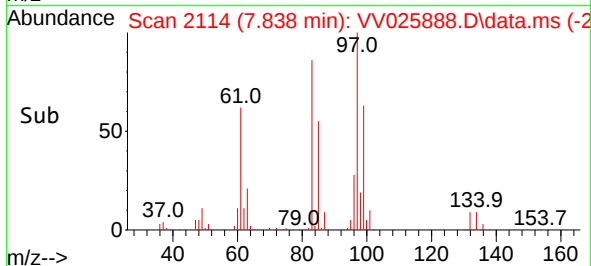
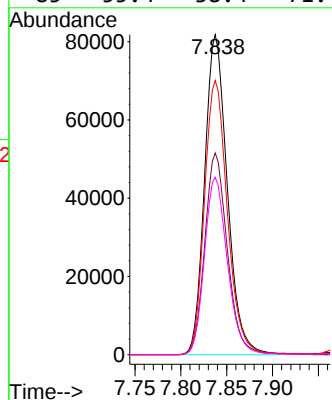
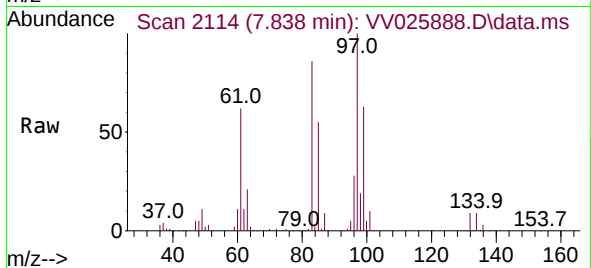
Ion Ratio Lower Upper

97 100

99 63.1 42.6 79.0

83 85.7 59.7 110.9

85 55.4 38.4 71.4



#46

Tetrachloroethene

Concen: 48.823 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Tgt Ion:164 Resp: 105232

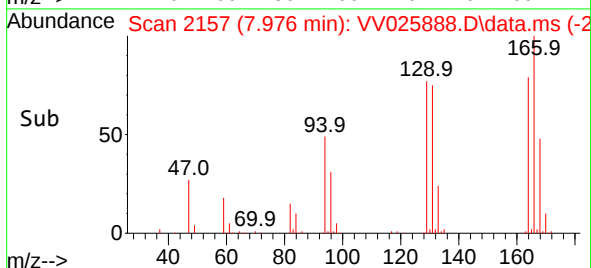
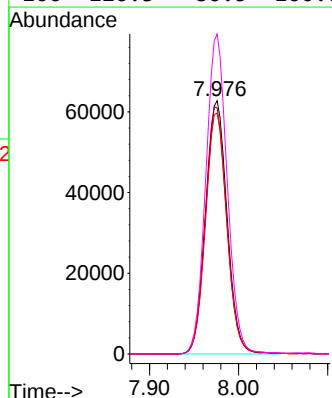
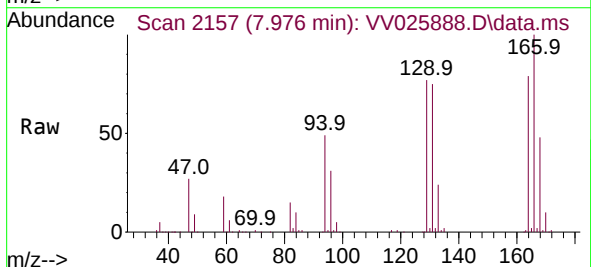
Ion Ratio Lower Upper

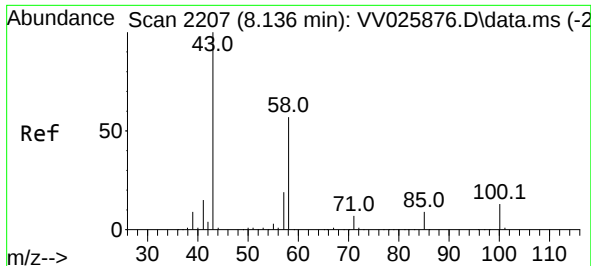
164 100

129 97.1 66.8 124.2

131 95.1 66.7 123.9

166 126.3 86.5 160.7

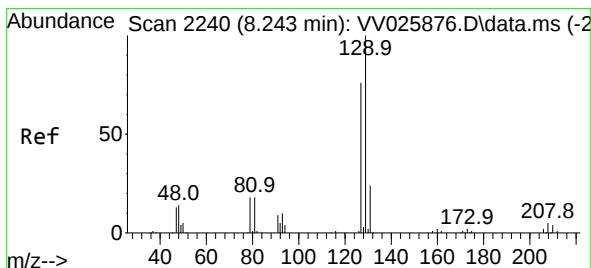
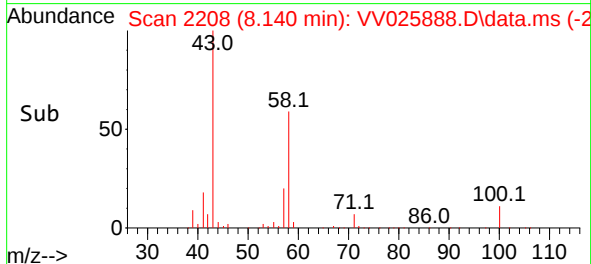
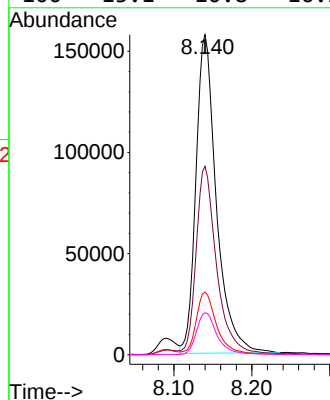
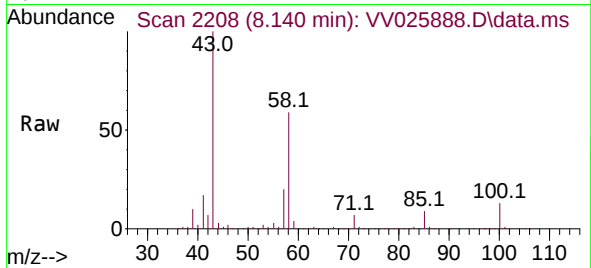




#48
2-Hexanone
Concen: 112.617 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

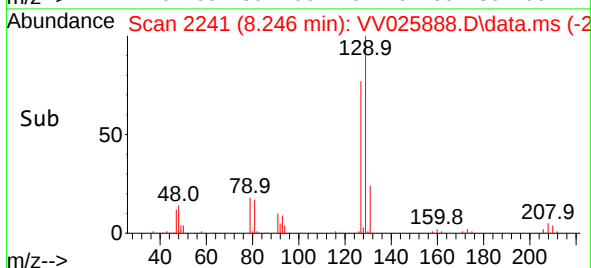
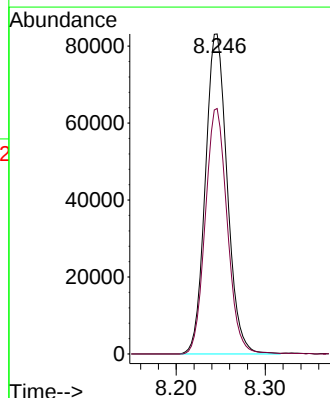
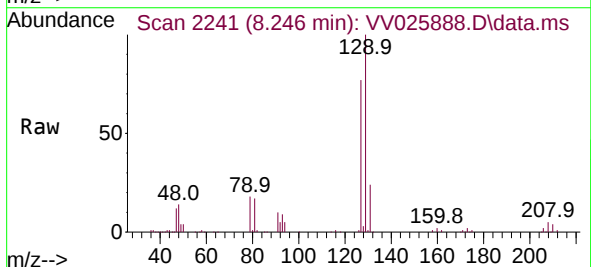
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

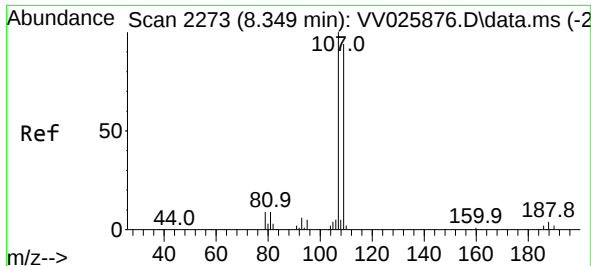
Tgt Ion:	43	Resp:	287435
Ion	Ratio	Lower	Upper
43	100		
58	59.3	45.9	68.9
57	19.4	15.4	23.2
100	13.1	10.8	16.2



#49
Dibromochloromethane
Concen: 50.334 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion:	129	Resp:	141568
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.5	99.5





#50

1,2-Dibromoethane

Concen: 50.335 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050294

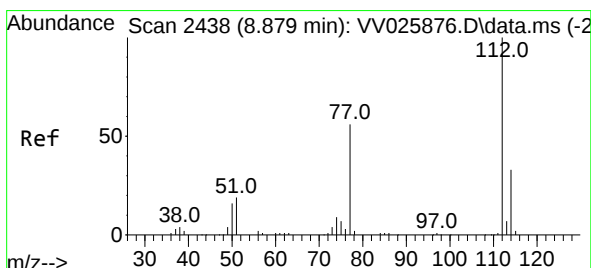
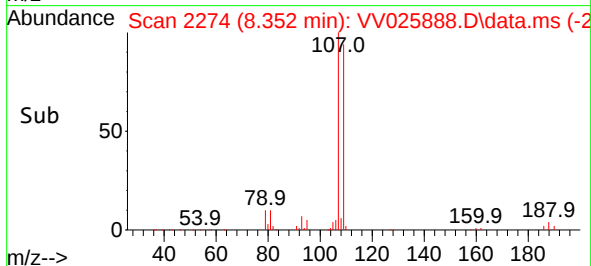
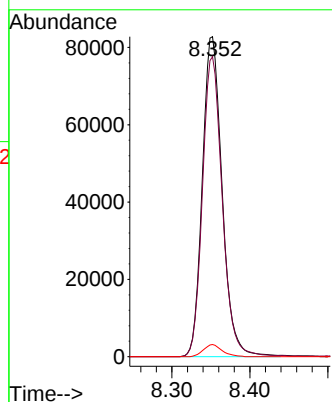
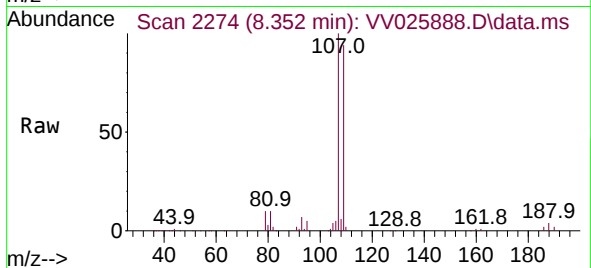
Tgt Ion:107 Resp: 145955

Ion Ratio Lower Upper

107 100

109 93.8 64.1 119.1

188 3.8 2.6 3.8



#51

Chlorobenzene

Concen: 49.785 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

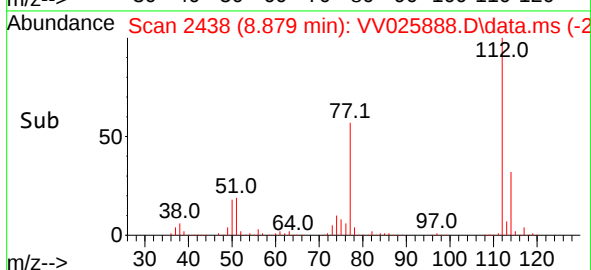
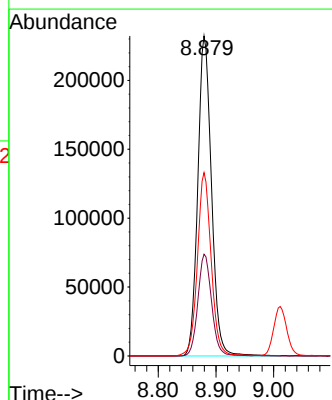
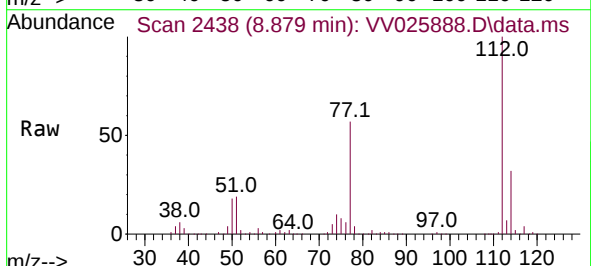
Tgt Ion:112 Resp: 382059

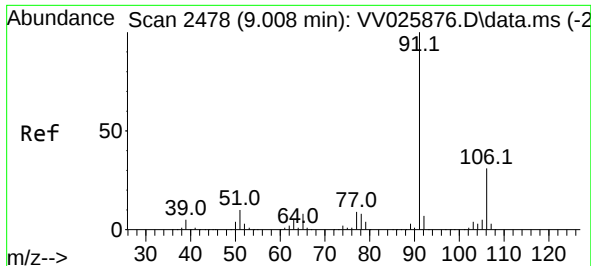
Ion Ratio Lower Upper

112 100

114 31.8 22.0 40.8

77 57.3 45.3 67.9





#52

Ethylbenzene

Concen: 51.297 ug/L

RT: 9.011 min Scan# 2478

Delta R.T. 0.003 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

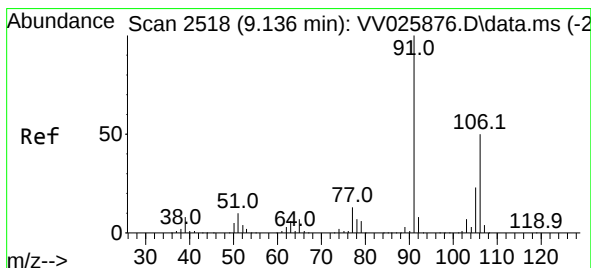
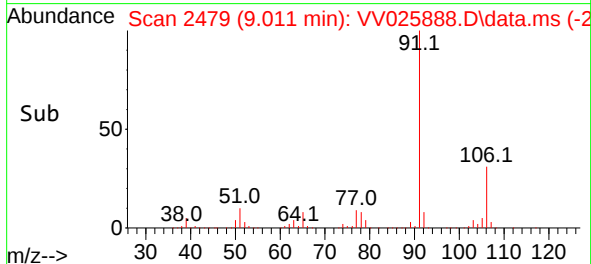
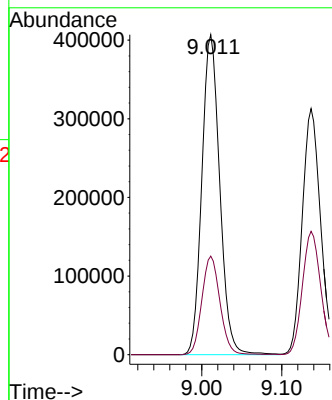
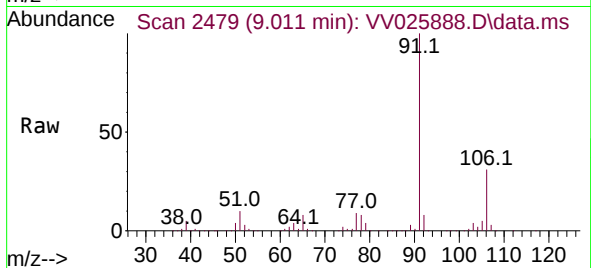
VSTD050294

Tgt Ion: 91 Resp: 634244

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.6



#53

m,p-Xylene

Concen: 52.228 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV025888.D

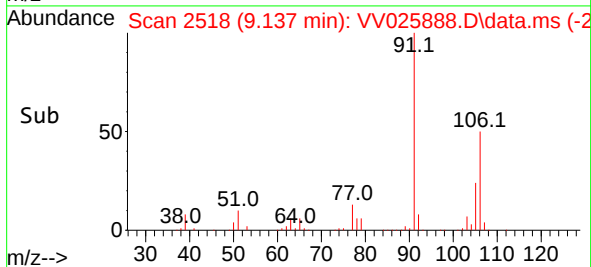
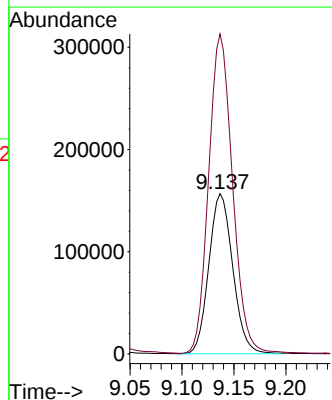
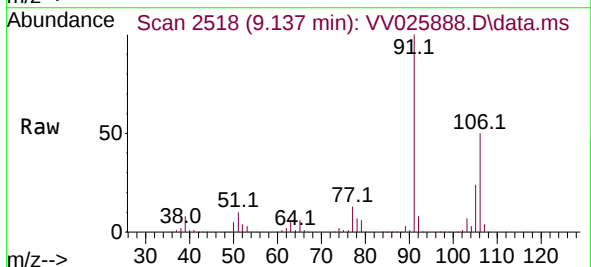
Acq: 12 May 2022 17:33

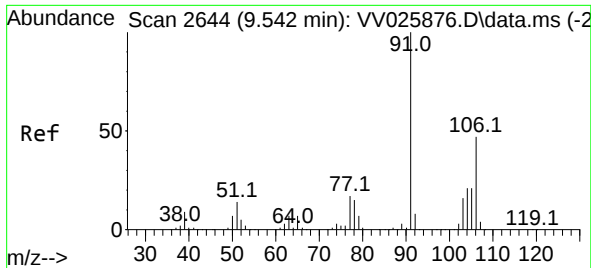
Tgt Ion:106 Resp: 250470

Ion Ratio Lower Upper

106 100

91 199.6 142.0 263.6

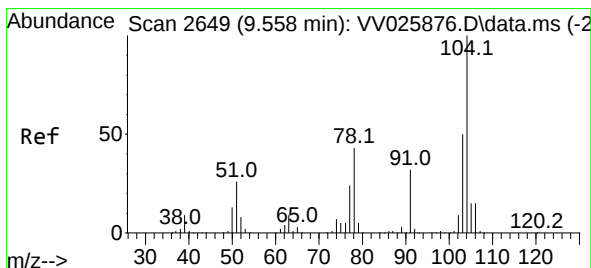
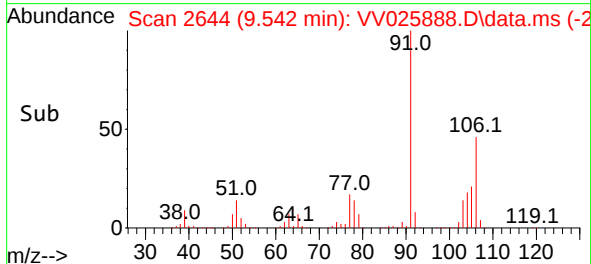
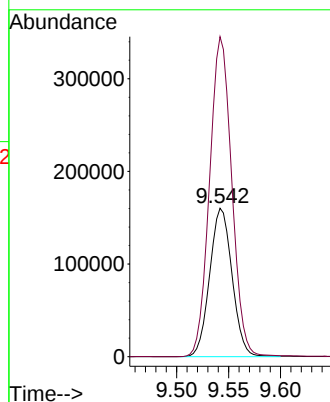
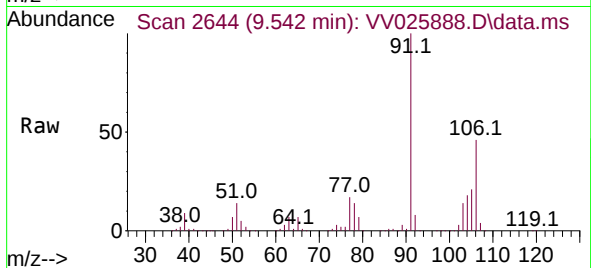




#54
o-Xylene
Concen: 50.987 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

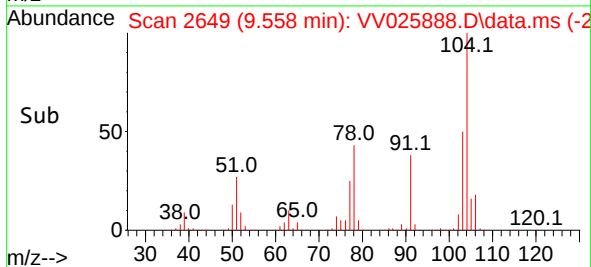
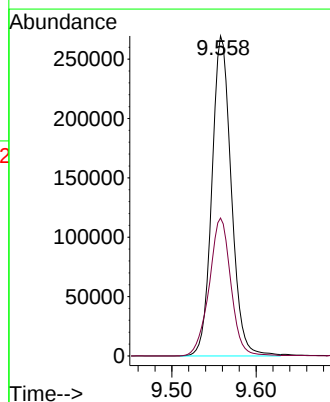
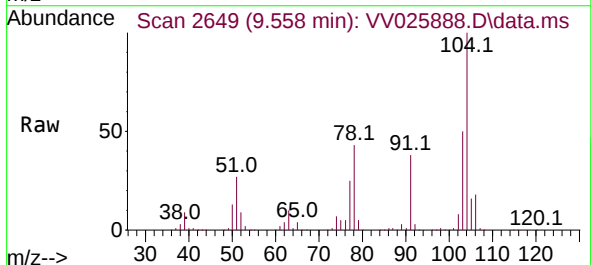
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

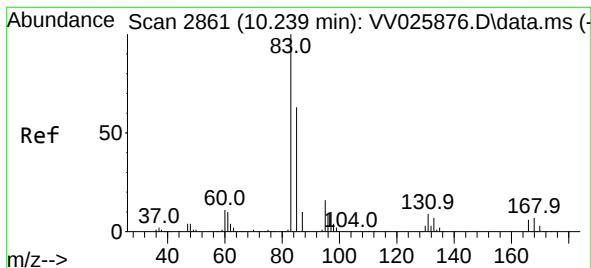
Tgt Ion:106 Resp: 240198
Ion Ratio Lower Upper
106 100
91 215.4 147.4 273.8



#55
Styrene
Concen: 52.535 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion:104 Resp: 431236
Ion Ratio Lower Upper
104 100
78 43.1 29.8 55.3



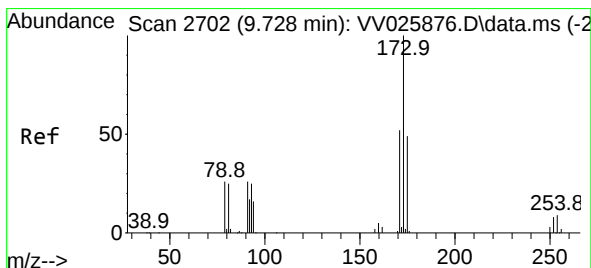
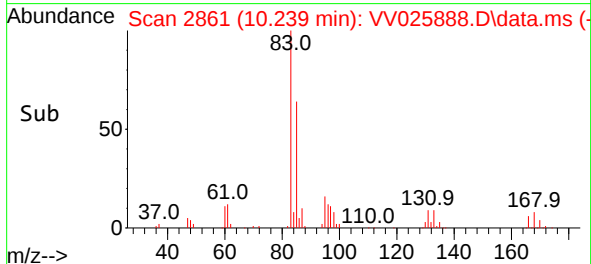
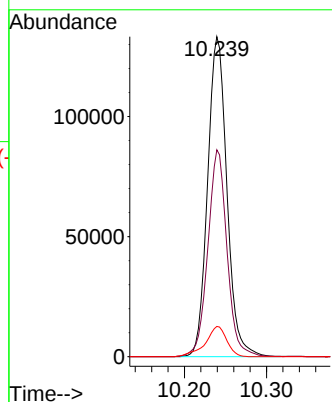
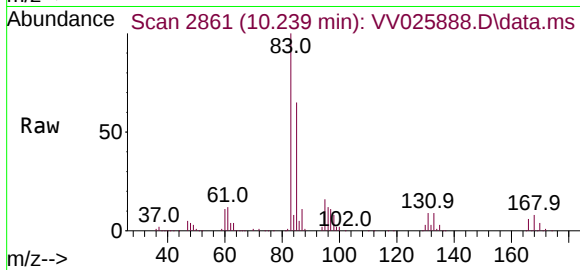


#57
 1,1,2,2-Tetrachloroethane
 Concen: 51.237 ug/L
 RT: 10.239 min Scan# 217983
 Delta R.T. 0.000 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050294

Tgt Ion: 83 Resp: 217983

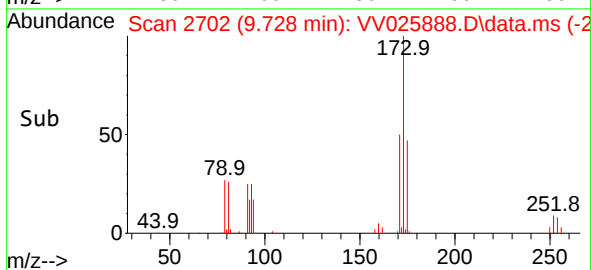
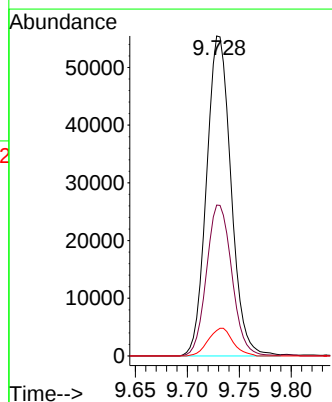
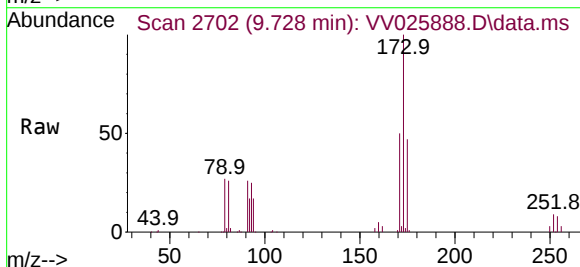
Ion	Ratio	Lower	Upper
83	100		
85	64.7	44.7	82.9
131	9.4	7.5	11.3

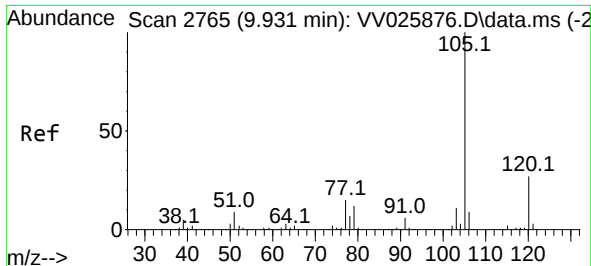


#59
 Bromoform
 Concen: 50.314 ug/L
 RT: 9.728 min Scan# 2702
 Delta R.T. 0.000 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

Tgt Ion: 173 Resp: 91015

Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.1	57.1
254	8.7	7.0	10.6

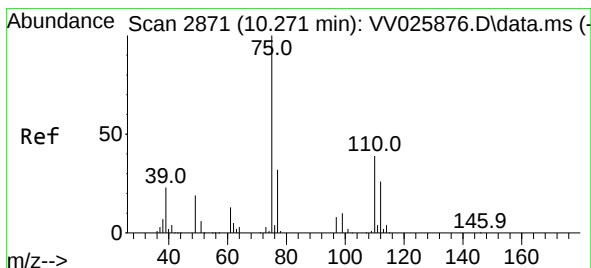
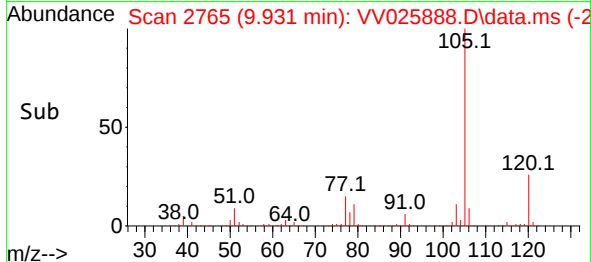
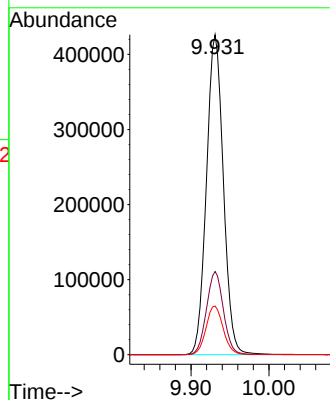
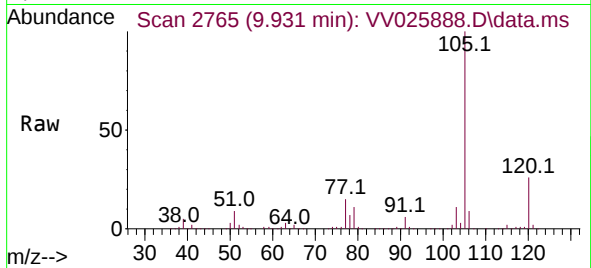




#60
Isopropylbenzene
Concen: 51.096 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

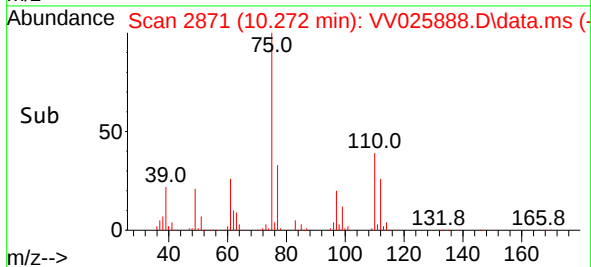
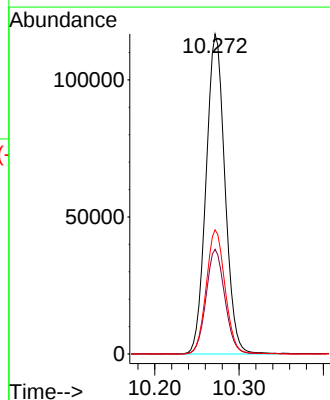
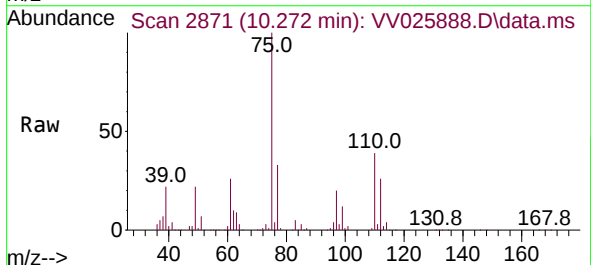
Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

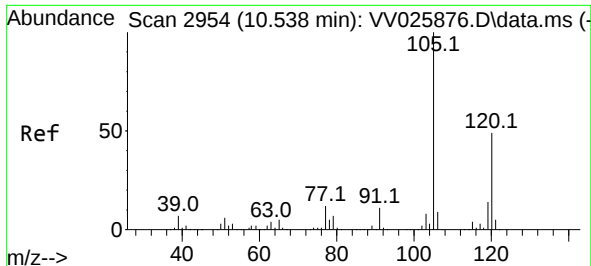
Tgt Ion:105 Resp: 641802
Ion Ratio Lower Upper
105 100
120 26.0 21.0 31.6
77 15.6 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 49.084 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion: 75 Resp: 182186
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9
110 38.7 32.3 48.5





#62

1,3,5-Trimethylbenzene

Concen: 50.698 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

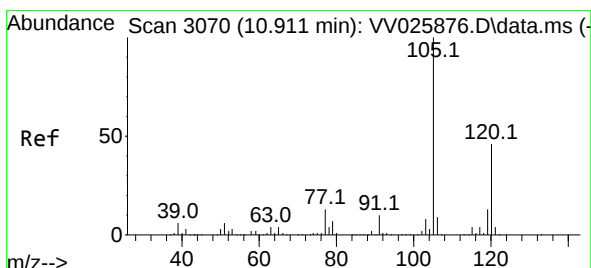
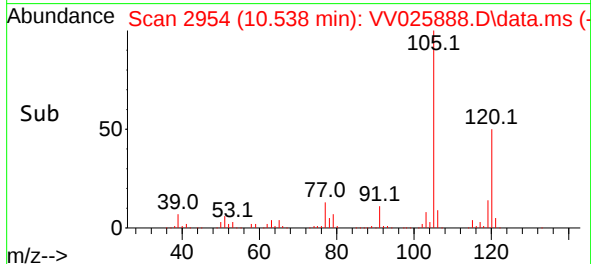
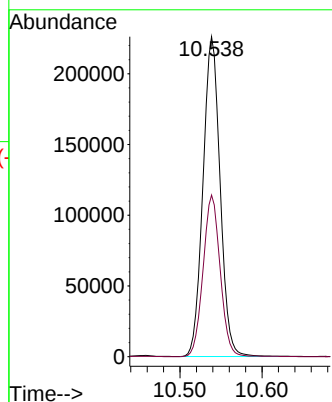
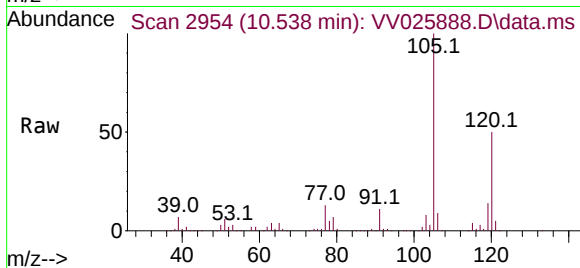
VSTD050294

Tgt Ion:105 Resp: 328240

Ion Ratio Lower Upper

105 100

120 50.3 39.4 59.2



#63

1,2,4-Trimethylbenzene

Concen: 52.317 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV025888.D

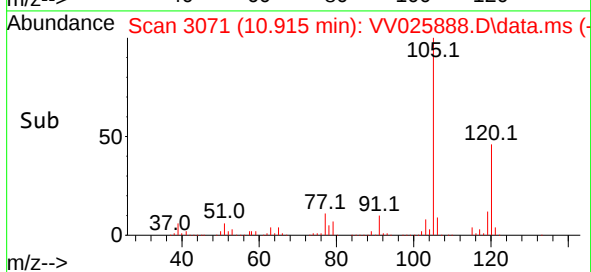
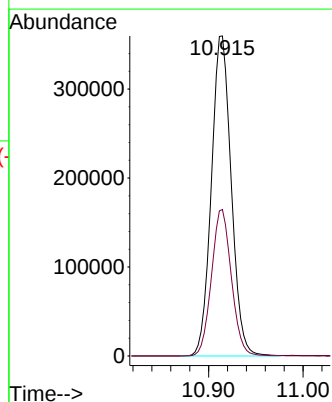
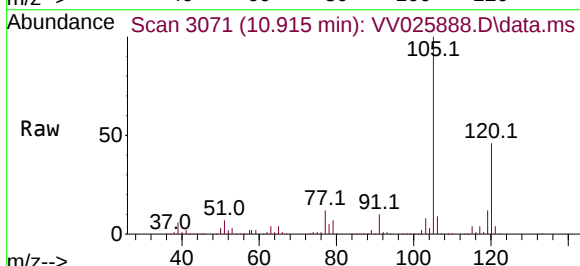
Acq: 12 May 2022 17:33

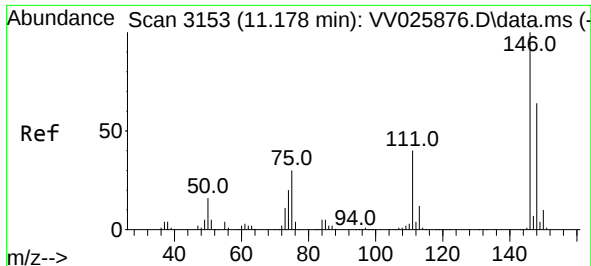
Tgt Ion:105 Resp: 525540

Ion Ratio Lower Upper

105 100

120 45.7 36.6 55.0

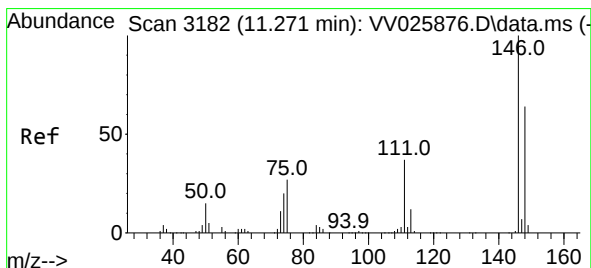
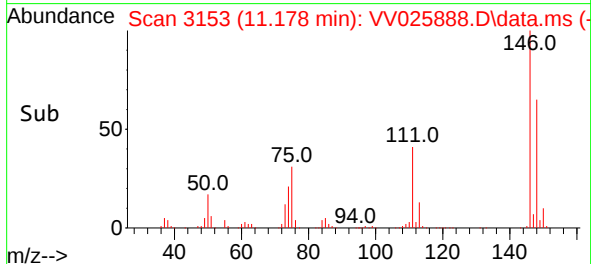
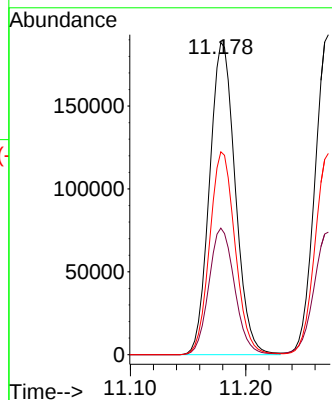
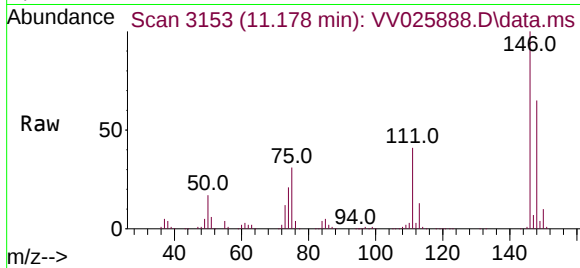




#64
 1,3-Dichlorobenzene
 Concen: 49.004 ug/L
 RT: 11.178 min Scan# 3153
 Delta R.T. 0.000 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

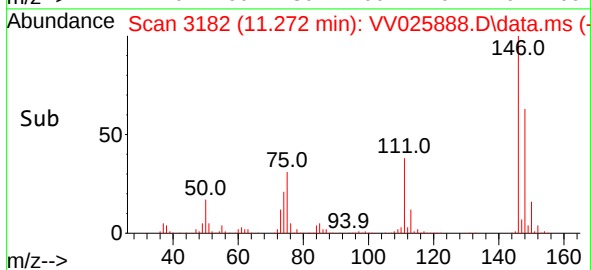
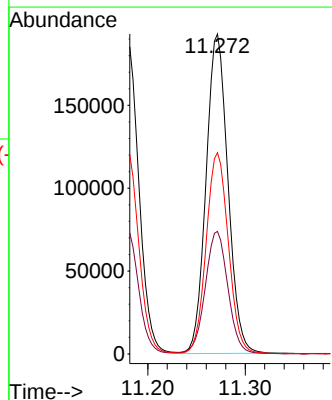
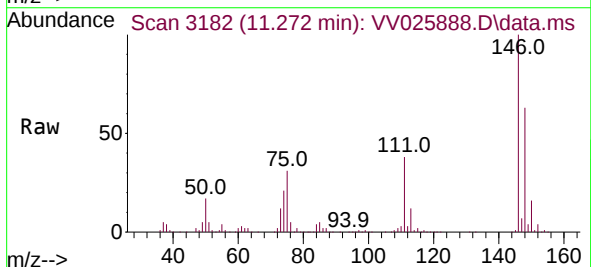
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050294

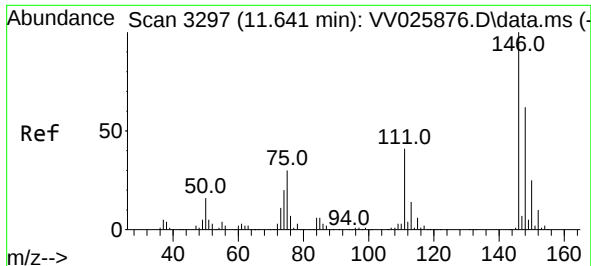
Tgt Ion:146 Resp: 291361
 Ion Ratio Lower Upper
 146 100
 111 40.5 28.1 52.1
 148 65.0 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 48.225 ug/L
 RT: 11.272 min Scan# 3182
 Delta R.T. 0.000 min
 Lab File: VV025888.D
 Acq: 12 May 2022 17:33

Tgt Ion:146 Resp: 300483
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.7
 148 62.9 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 48.655 ug/L

RT: 11.641 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050294

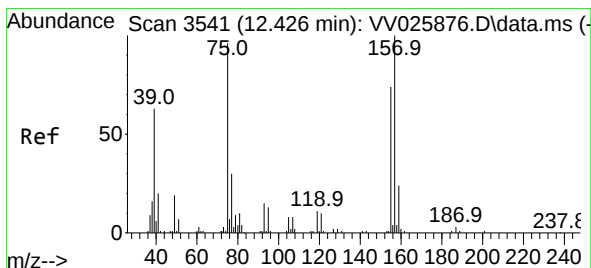
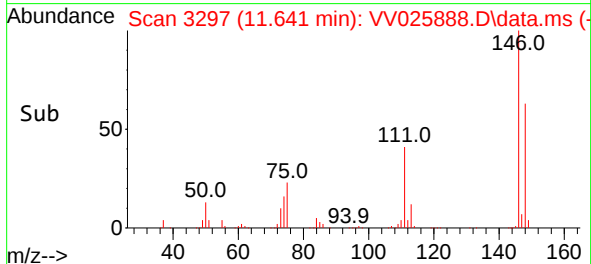
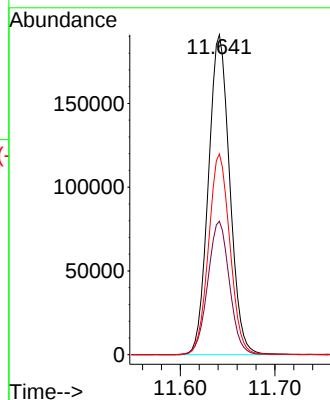
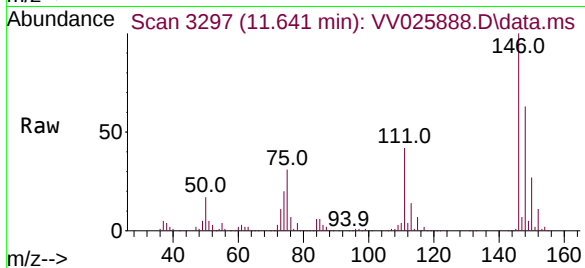
Tgt Ion:146 Resp: 299223

Ion Ratio Lower Upper

146 100

111 41.7 33.7 50.5

148 62.8 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 50.358 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

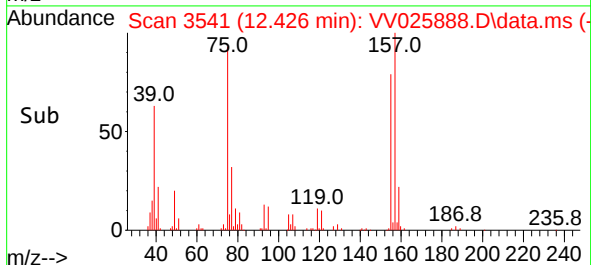
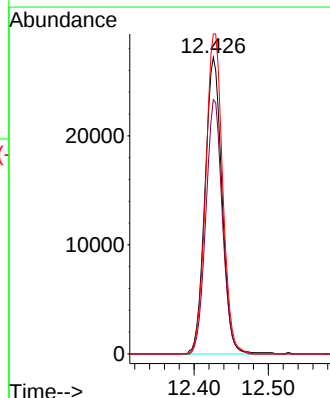
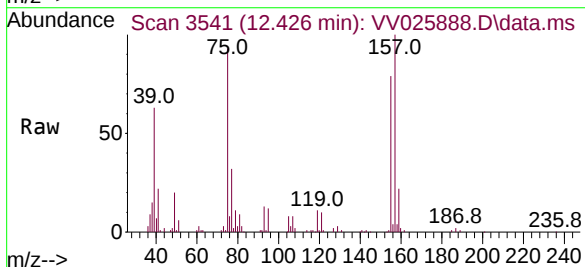
Tgt Ion: 75 Resp: 43153

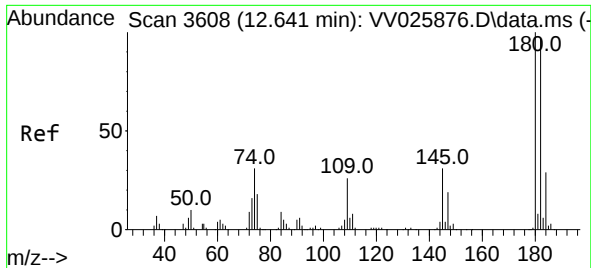
Ion Ratio Lower Upper

75 100

155 85.7 66.8 100.2

157 107.9 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 49.354 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. 0.000 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD050294

Tgt Ion:180 Resp: 202613

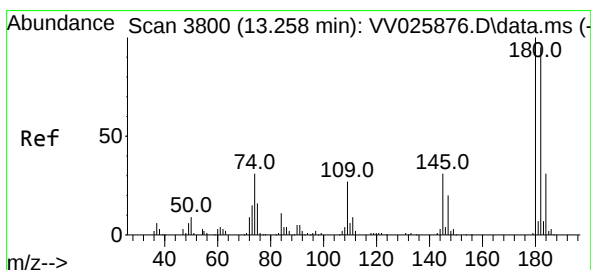
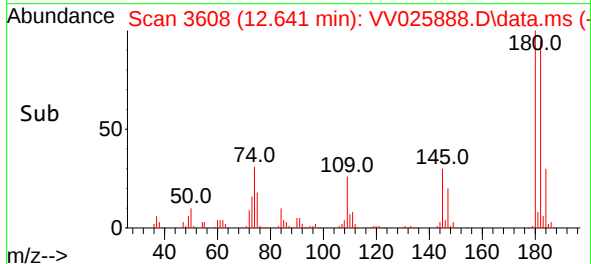
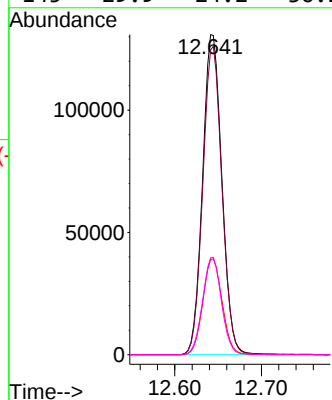
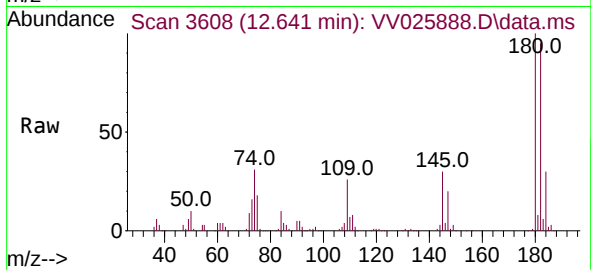
Ion Ratio Lower Upper

180 100

182 95.4 75.1 112.7

184 29.9 23.6 35.4

145 29.9 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 50.070 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV025888.D

Acq: 12 May 2022 17:33

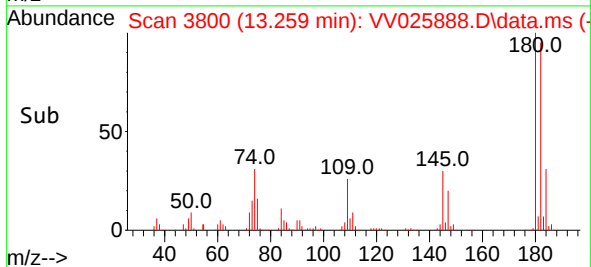
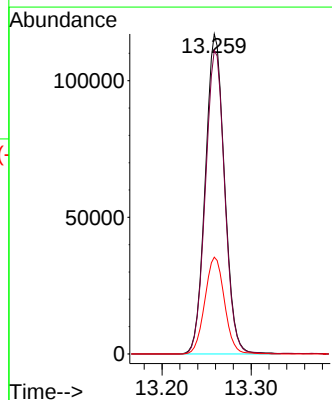
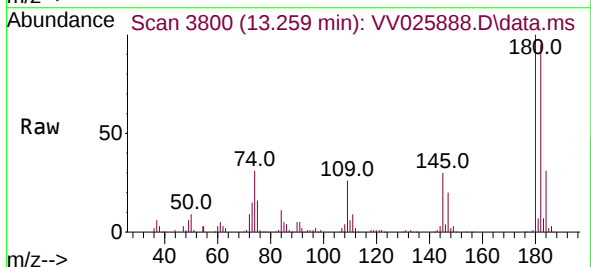
Tgt Ion:180 Resp: 175036

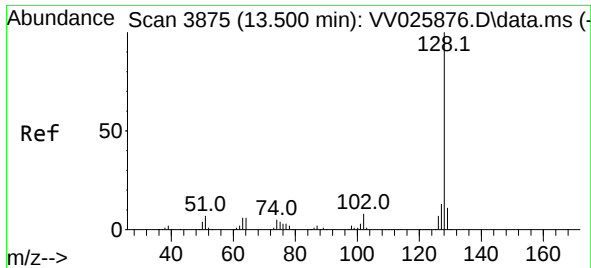
Ion Ratio Lower Upper

180 100

182 95.4 74.8 112.2

145 30.9 24.8 37.2

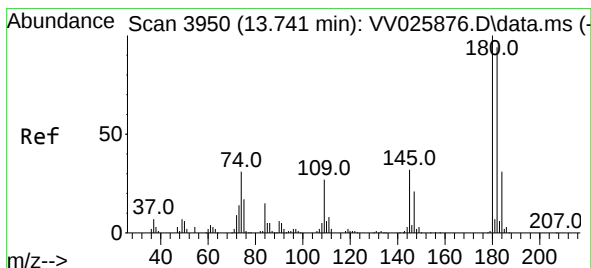
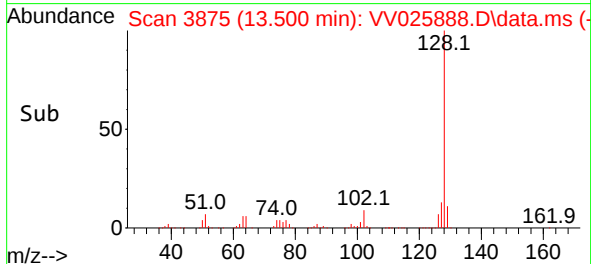
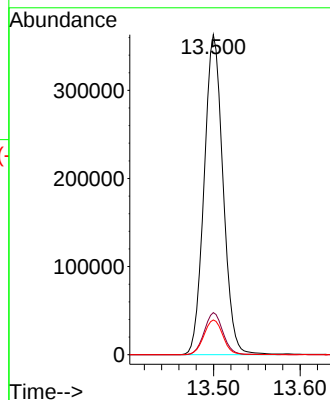
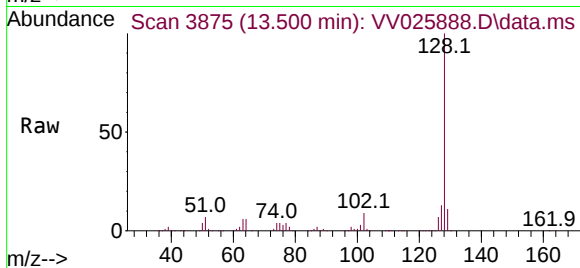




#71
Naphthalene
Concen: 53.281 ug/L
RT: 13.500 min Scan# 3875
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD050294

Tgt Ion:	128	Resp:	551621
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.8	13.2



#72
1,2,3-Trichlorobenzene
Concen: 52.133 ug/L
RT: 13.741 min Scan# 3950
Delta R.T. 0.000 min
Lab File: VV025888.D
Acq: 12 May 2022 17:33

Tgt Ion:	180	Resp:	185719
Ion Ratio	Lower	Upper	
180	100		
182	93.1	75.8	113.8
145	32.9	26.3	39.5

