

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052622\
 Data File : VW025955.D
 Acq On : 26 May 2022 12:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050295

Quant Time: May 27 01:21:10 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	5.612	114	388851	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	391119	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	222790	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.310	65	165412	32.960	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.920%
7) Chloroethane-d5	1.571	69	139859	31.735	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	63.460%#
11) 1,1-Dichloroethene-d2	2.111	63	330288	37.630	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.260%
21) 2-Butanone-d5	3.902	46	180587	83.956	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.960%
24) Chloroform-d	4.346	84	289286	41.271	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.540%
26) 1,2-Dichloroethane-d4	5.030	65	176502	41.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.320%
32) Benzene-d6	5.047	84	564392	41.393	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.780%
36) 1,2-Dichloropropane-d6	6.066	67	177921	42.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.980%
41) Toluene-d8	7.313	98	517115	41.162	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.320%
43) trans-1,3-Dichloroprop...	7.619	79	76232	40.778	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.560%
47) 2-Hexanone-d5	8.088	63	136740	89.060	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.060%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	251010	44.946	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.900%
66) 1,2-Dichlorobenzene-d4	11.622	152	204737	41.894	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.134	85	190102	47.285	ug/L	100
3) Chloromethane	1.243	50	204049	41.966	ug/L	99
5) Vinyl chloride	1.314	62	219280	44.359	ug/L	99
6) Bromomethane	1.526	94	119163	39.671	ug/L	100
8) Chloroethane	1.587	64	139947	37.908	ug/L	98
9) Trichlorofluoromethane	1.754	101	303773	43.242	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	174194	46.671	ug/L	98
12) 1,1-Dichloroethene	2.121	96	166104	45.248	ug/L	85
13) Acetone	2.198	43	134948	91.937	ug/L	92
14) Carbon disulfide	2.294	76	418484	46.089	ug/L	99
15) Methyl Acetate	2.442	43	140374	44.638	ug/L	97
16) Methylene chloride	2.506	84	167806	47.193	ug/L	98
17) trans-1,2-Dichloroethene	2.760	96	146649	46.498	ug/L	100
18) Methyl tert-butyl Ether	2.770	73	422204	46.028	ug/L	99
19) 1,1-Dichloroethane	3.188	63	271937	46.163	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	148978	43.761	ug/L	97
22) 2-Butanone	3.986	43	198292	101.299	ug/L	86
23) Bromochloromethane	4.243	128	82119	45.668	ug/L	97
25) Chloroform	4.371	83	278240	44.573	ug/L	100

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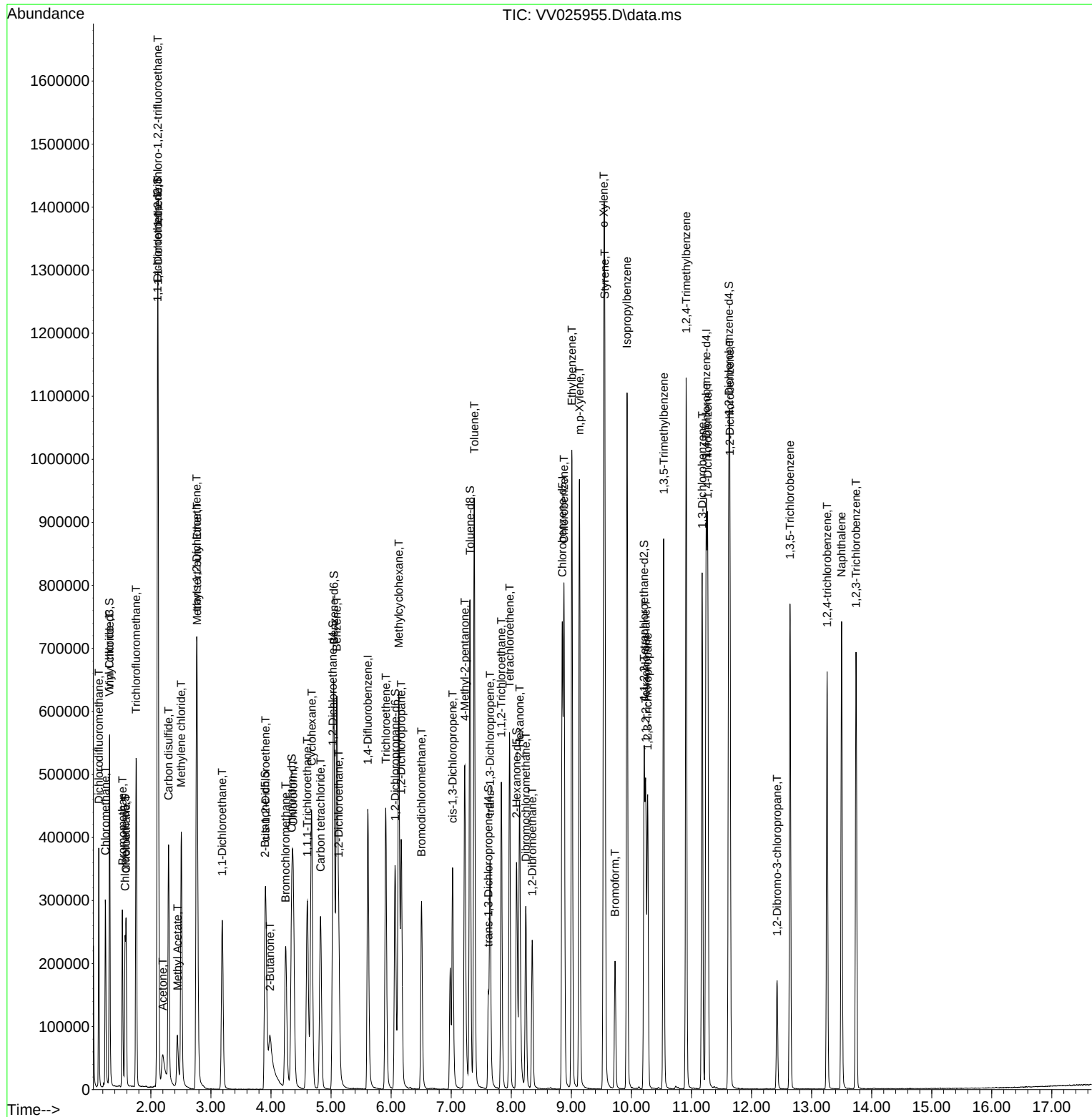
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	204787	43.391	ug/L	97
29) Cyclohexane	4.677	56	230072	48.589	ug/L	99
30) 1,1,1-Trichloroethane	4.606	97	243567	45.854	ug/L	98
31) Carbon tetrachloride	4.825	117	205656	46.116	ug/L	100
33) Benzene	5.095	78	620216	47.095	ug/L	100
34) Trichloroethene	5.911	95	155566	45.163	ug/L	97
35) Methylcyclohexane	6.127	83	259397	50.281	ug/L	99
37) 1,2-Dichloropropane	6.169	63	157545	47.622	ug/L	100
38) Bromodichloromethane	6.506	83	201731	45.093	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	213092	45.169	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	358271	92.648	ug/L	99
42) Toluene	7.384	91	675908	47.843	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	210627	46.407	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	153583	45.690	ug/L	99
46) Tetrachloroethene	7.972	164	123602	48.646	ug/L	98
48) 2-Hexanone	8.140	43	301631	100.249	ug/L	99
49) Dibromochloromethane	8.243	129	147944	44.620	ug/L	99
50) 1,2-Dibromoethane	8.349	107	156132	45.675	ug/L	97
51) Chlorobenzene	8.879	112	422370	46.688	ug/L	99
52) Ethylbenzene	9.008	91	696456	47.783	ug/L	100
53) m,p-Xylene	9.136	106	274984	48.640	ug/L	99
54) o-Xylene	9.542	106	266980	48.074	ug/L	100
55) Styrene	9.558	104	485011	50.121	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	233481	46.553	ug/L	99
59) Bromoform	9.728	173	88766	41.303	ug/L	100
60) Isopropylbenzene	9.927	105	695786	46.625	ug/L	100
61) 1,2,3-Trichloropropane	10.271	75	185152	41.987	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	453645	58.975	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	572442	47.965	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	329579	46.657	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	339907	45.916	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	328223	44.922	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.426	75	42159	41.410	ug/L	96
69) 1,3,5-Trichlorobenzene	12.641	180	228337	46.815	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	194103	46.735	ug/L	100
71) Naphthalene	13.500	128	560068	45.534	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	200085	47.275	ug/L	100

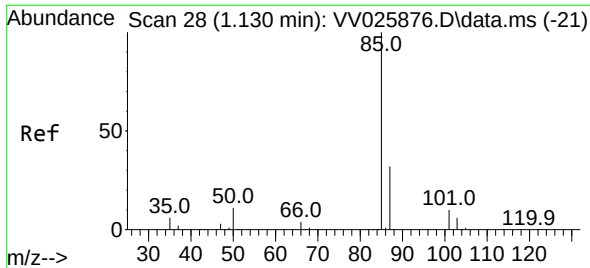
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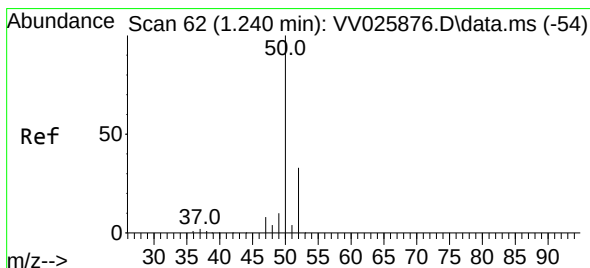
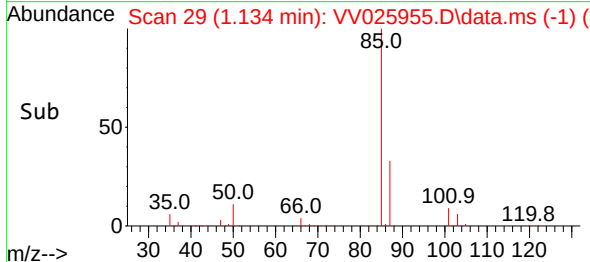
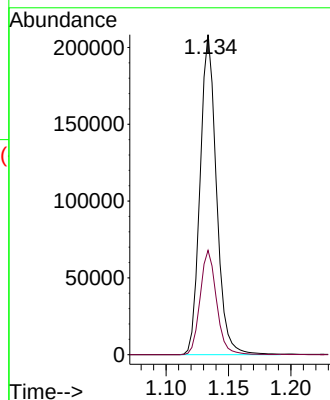
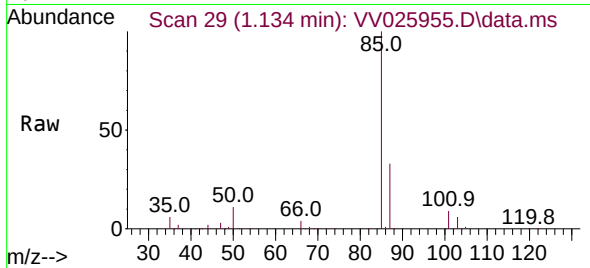




#2
 Dichlorodifluoromethane
 Concen: 47.285 ug/L
 RT: 1.134 min Scan# 29
 Delta R.T. 0.003 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

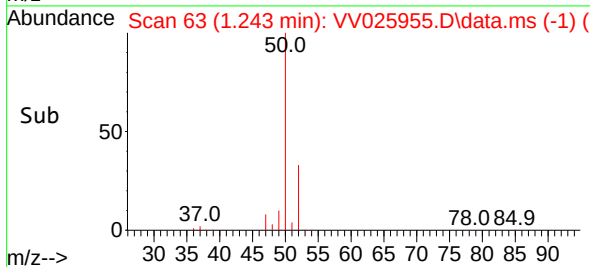
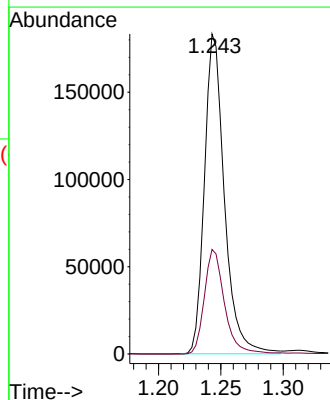
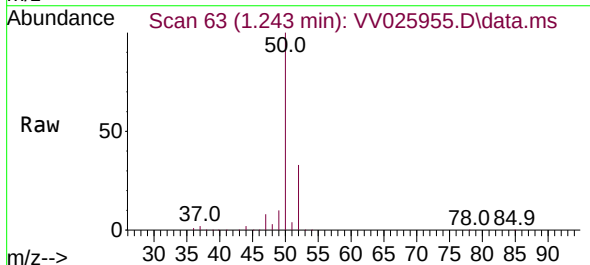
Instrument :
 MSVOA_V
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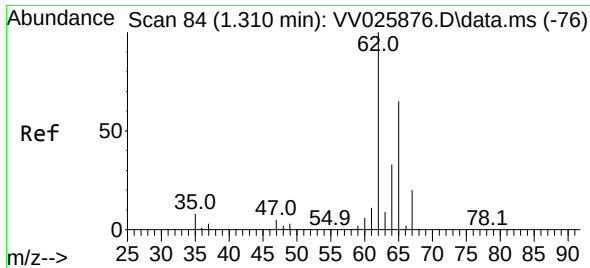
Tgt Ion: 85 Resp: 190102
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.0 39.0



#3
 Chloromethane
 Concen: 41.966 ug/L
 RT: 1.243 min Scan# 63
 Delta R.T. 0.003 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

Tgt Ion: 50 Resp: 204049
 Ion Ratio Lower Upper
 50 100
 52 32.7 23.2 43.2

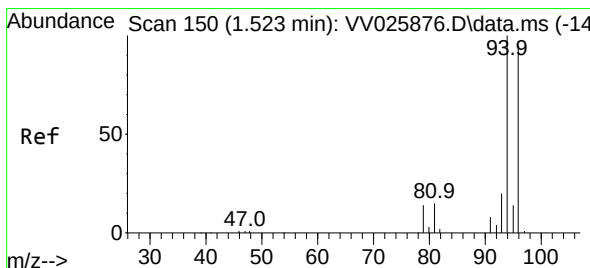
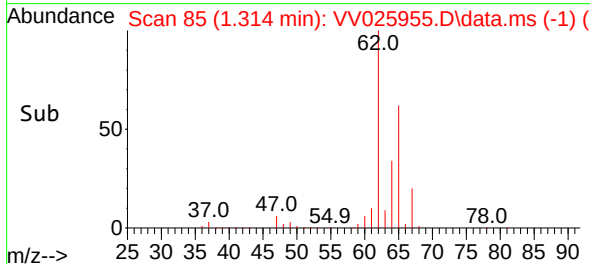
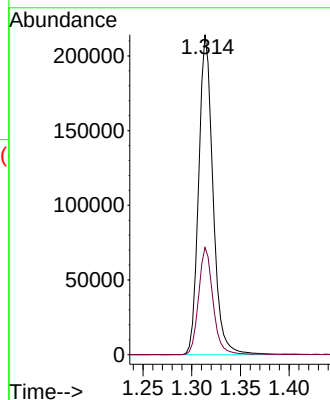
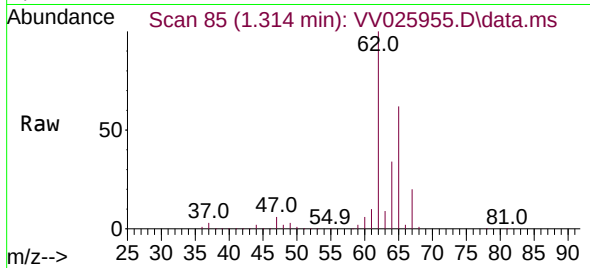




#5
 Vinyl chloride
 Concen: 44.359 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

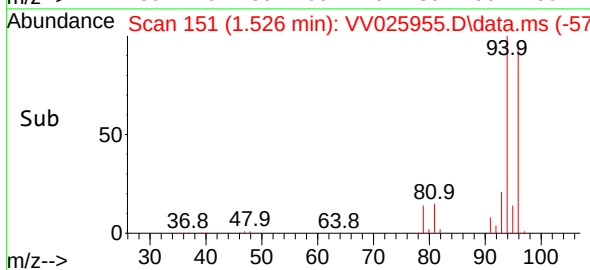
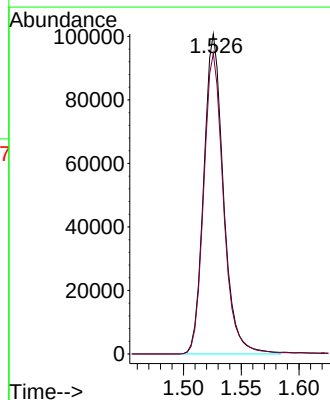
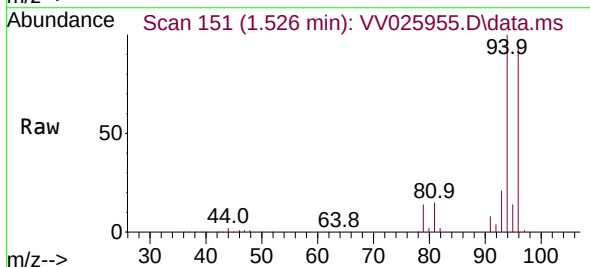
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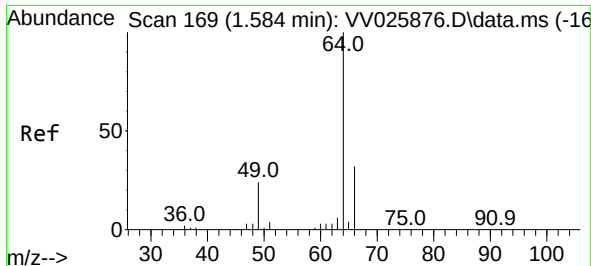
Tgt Ion: 62 Resp: 219280
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.2 43.0



#6
 Bromomethane
 Concen: 39.671 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

Tgt Ion: 94 Resp: 119163
 Ion Ratio Lower Upper
 94 100
 96 94.0 65.9 122.3

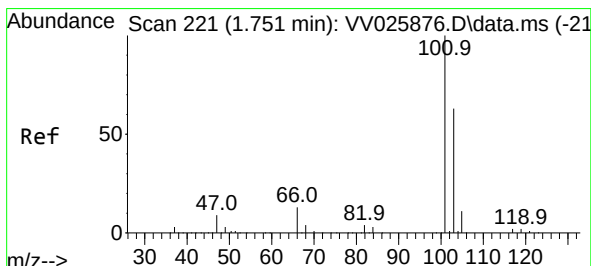
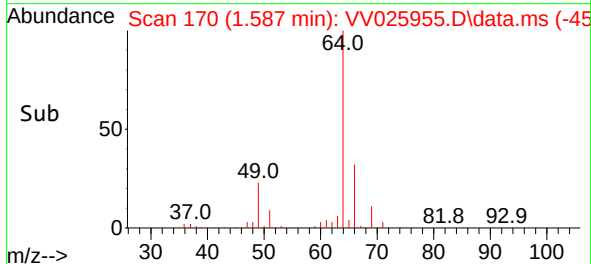
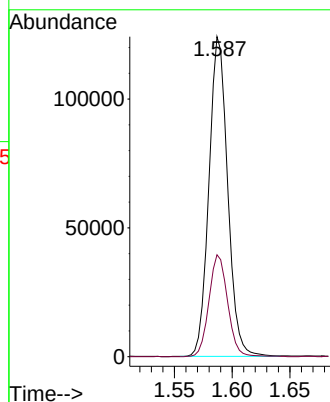
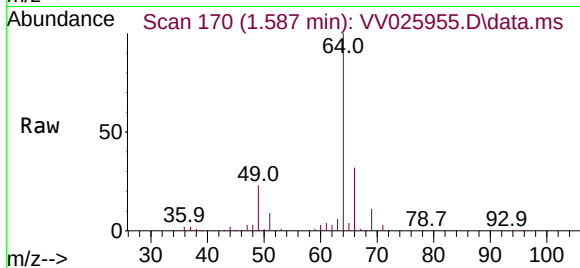




#8
Chloroethane
Concen: 37.908 ug/L
RT: 1.587 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

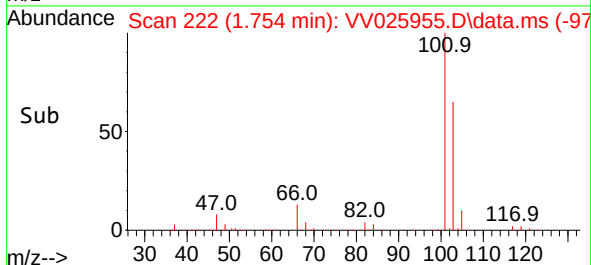
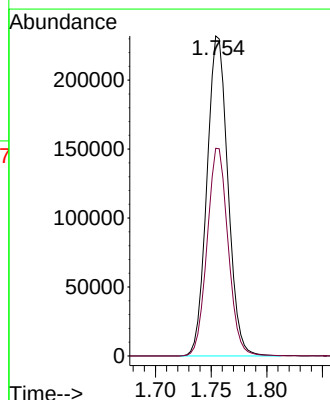
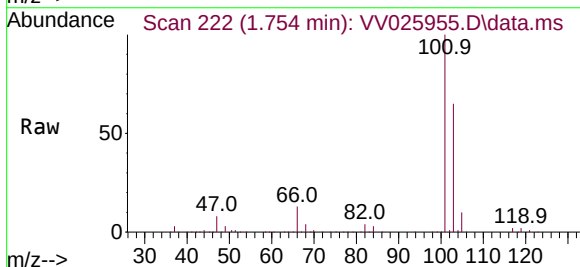
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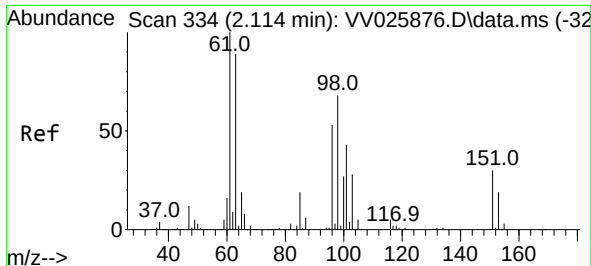
Tgt Ion: 64 Resp: 139947
Ion Ratio Lower Upper
64 100
66 31.8 22.9 42.5



#9
Trichlorofluoromethane
Concen: 43.242 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion:101 Resp: 303773
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3





#10

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

Concen: 46.671 ug/L

RT: 2.117 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

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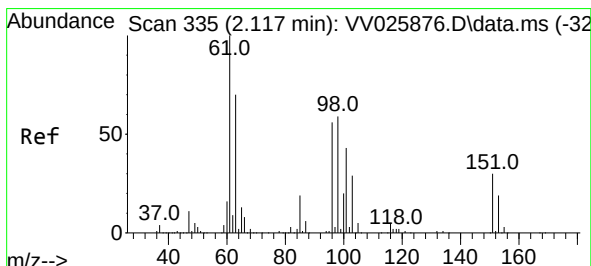
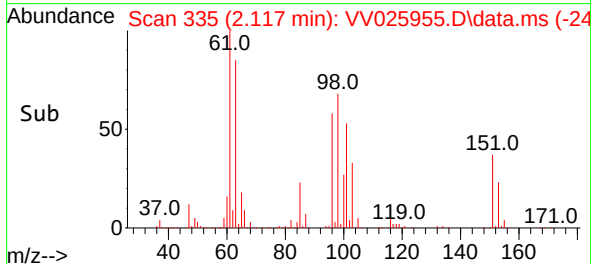
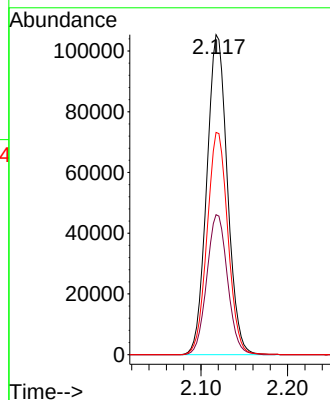
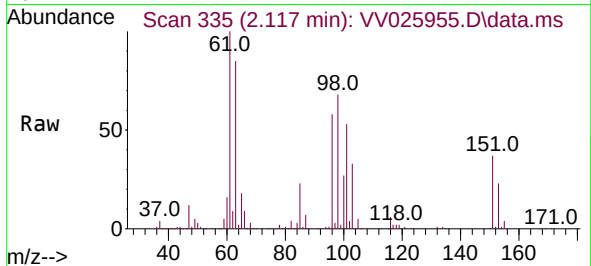
Tgt Ion:101 Resp: 174194

Ion Ratio Lower Upper

101 100

85 44.0 34.6 51.8

151 70.1 54.3 81.5



#12

1,1-Dichloroethene

Concen: 45.248 ug/L

RT: 2.121 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

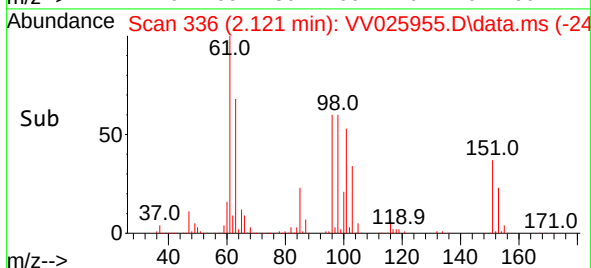
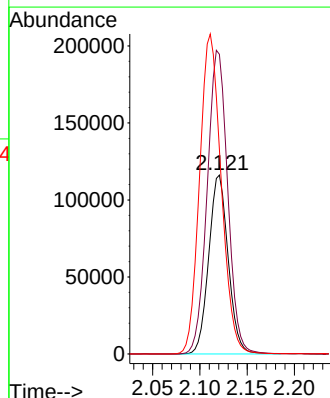
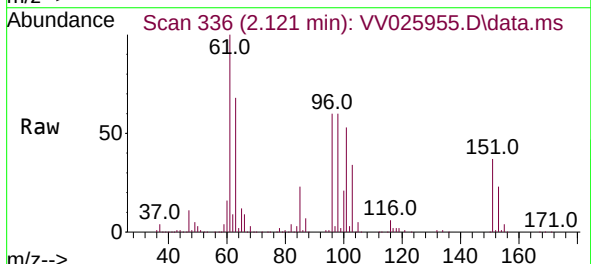
Tgt Ion: 96 Resp: 166104

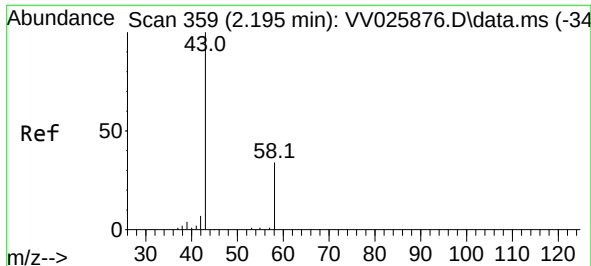
Ion Ratio Lower Upper

96 100

61 167.5 124.6 231.4

63 114.4 101.6 188.6

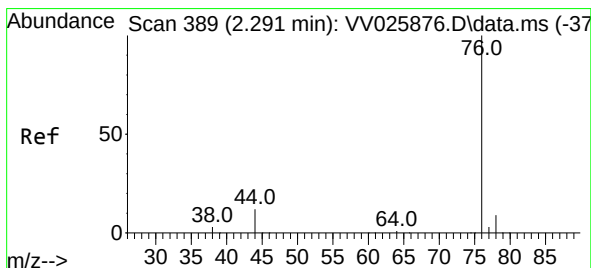
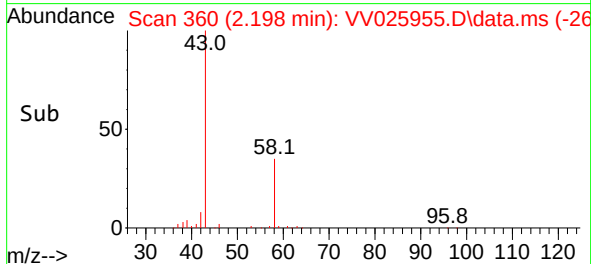
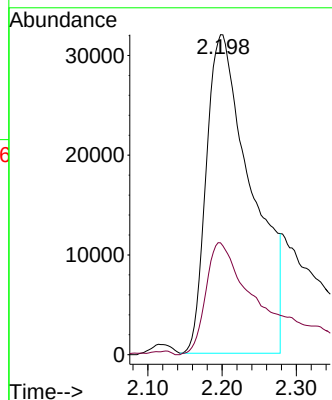
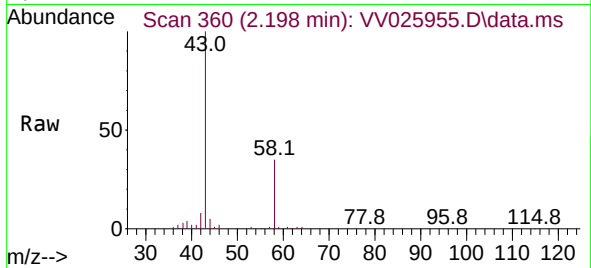




#13
Acetone
Concen: 91.937 ug/L
RT: 2.198 min Scan# 30
Delta R.T. 0.003 min
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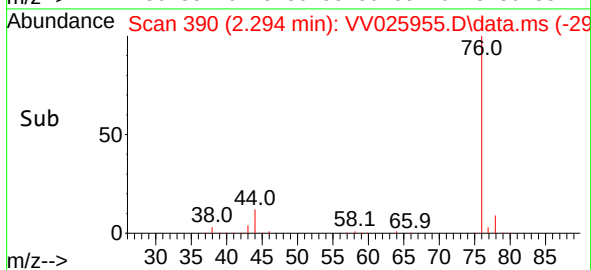
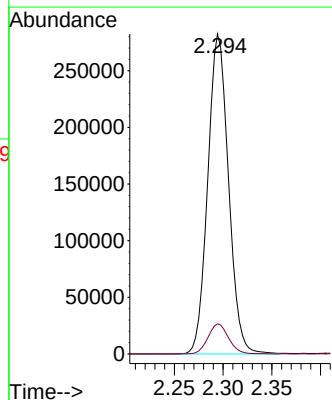
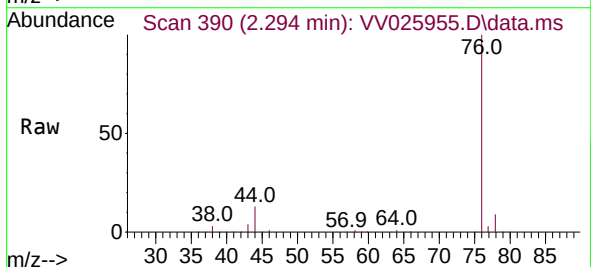
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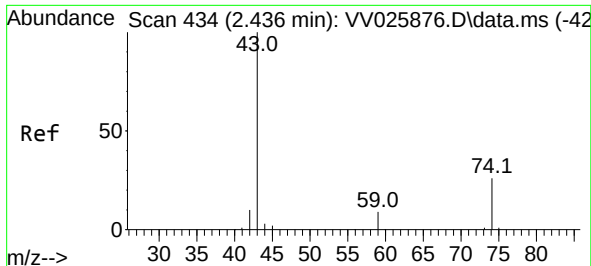
Tgt Ion: 43 Resp: 134948
Ion Ratio Lower Upper
43 100
58 36.8 0.0 65.0



#14
Carbon disulfide
Concen: 46.089 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
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Tgt Ion: 76 Resp: 418484
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

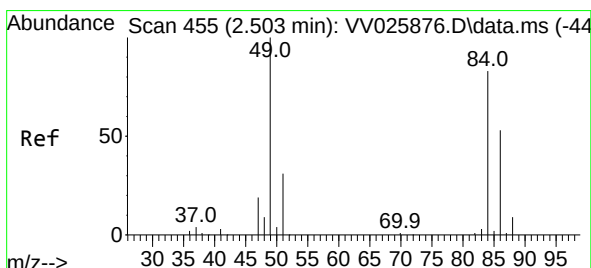
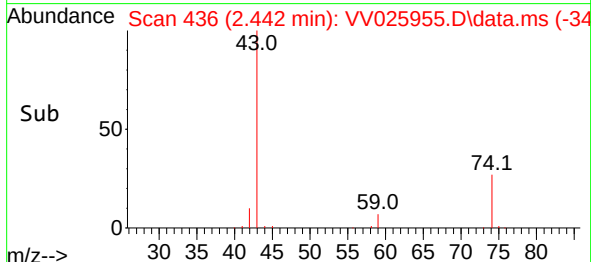
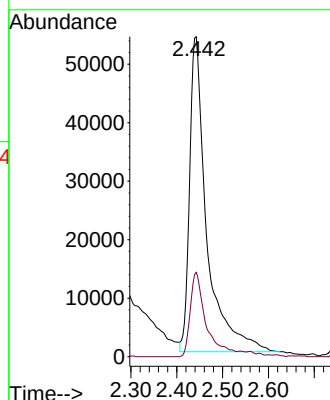
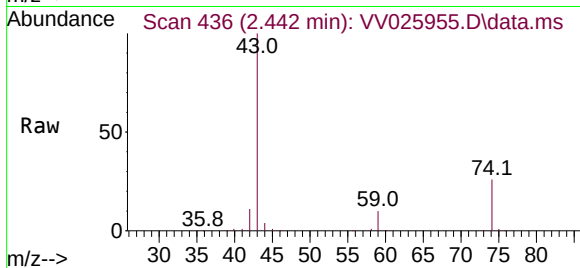




#15
Methyl Acetate
Concen: 44.638 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

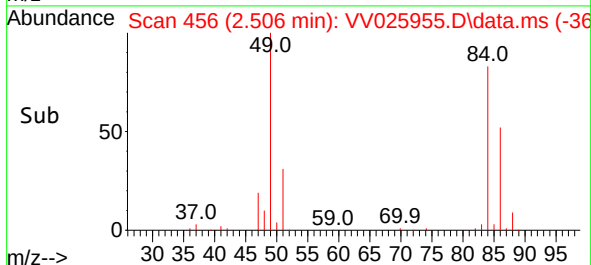
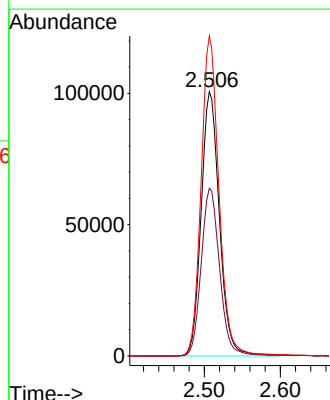
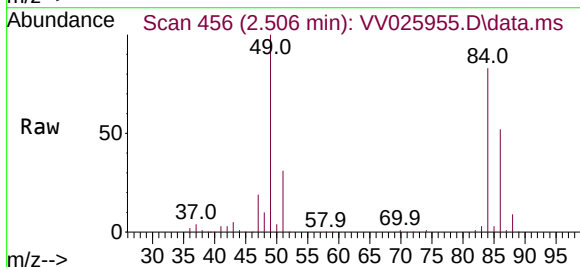
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

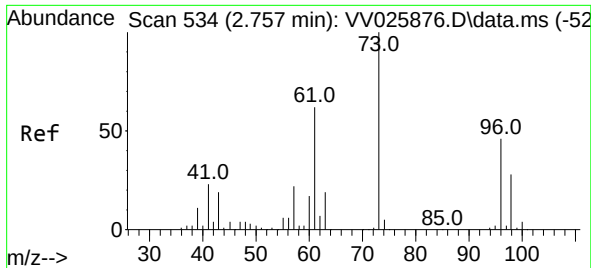
Tgt Ion: 43 Resp: 140374
Ion Ratio Lower Upper
43 100
74 24.5 20.7 31.1



#16
Methylene chloride
Concen: 47.193 ug/L
RT: 2.506 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 84 Resp: 167806
Ion Ratio Lower Upper
84 100
86 63.5 44.2 82.0
49 121.1 82.7 153.5

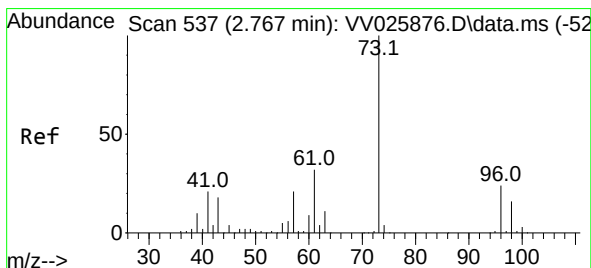
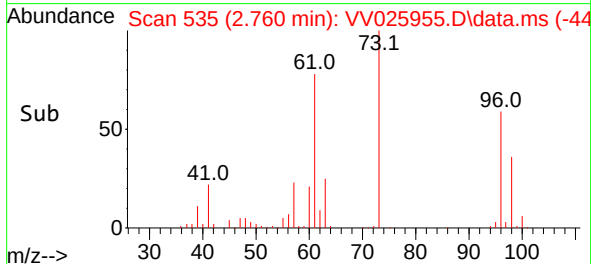
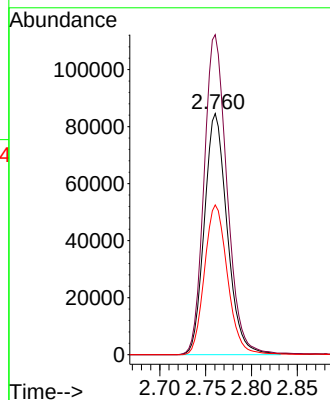
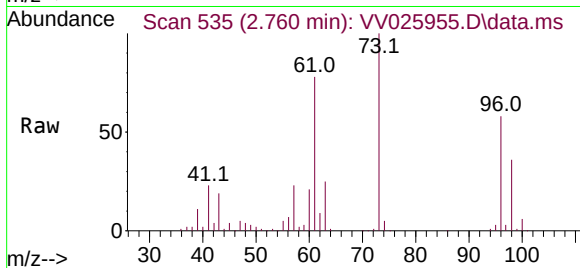




#17
trans-1,2-Dichloroethene
Concen: 46.498 ug/L
RT: 2.760 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

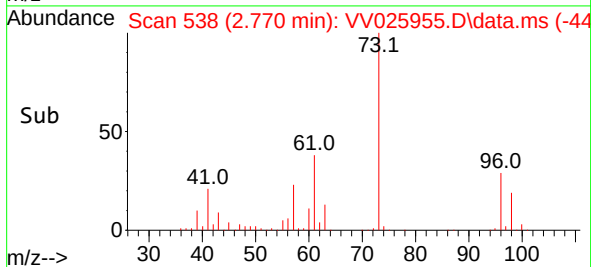
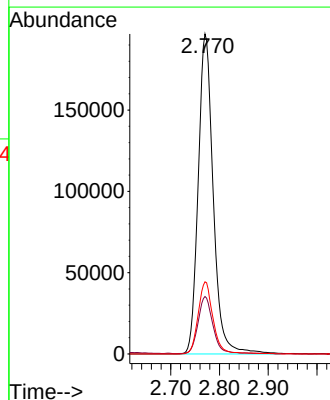
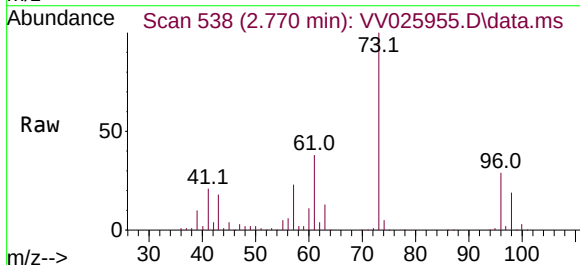
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

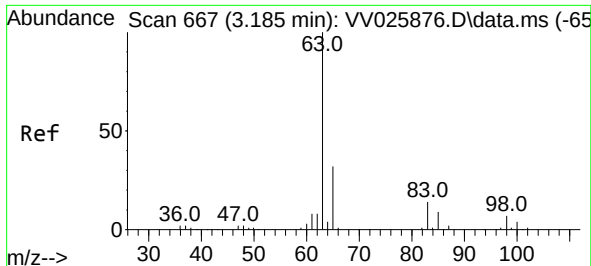
Tgt Ion: 96 Resp: 146649
Ion Ratio Lower Upper
96 100
61 132.7 92.7 172.1
98 62.2 43.1 80.1



#18
Methyl tert-butyl Ether
Concen: 46.028 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 73 Resp: 422204
Ion Ratio Lower Upper
73 100
43 17.4 14.6 22.0
57 22.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 46.163 ug/L

RT: 3.188 min Scan# 667

Delta R.T. 0.003 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050295

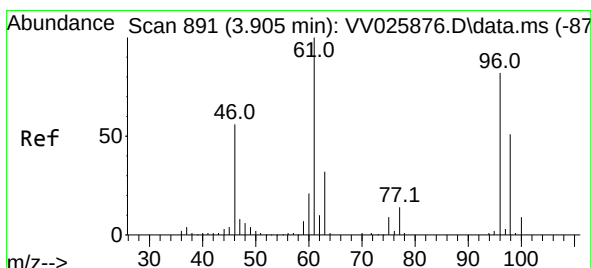
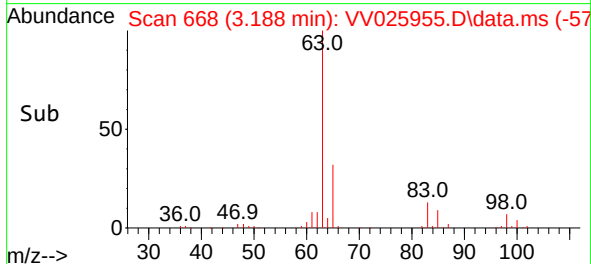
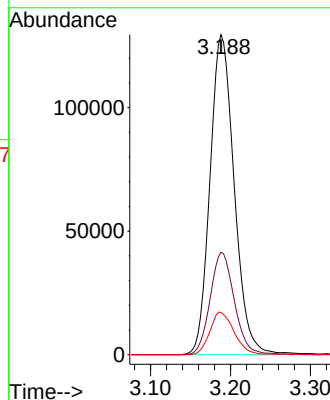
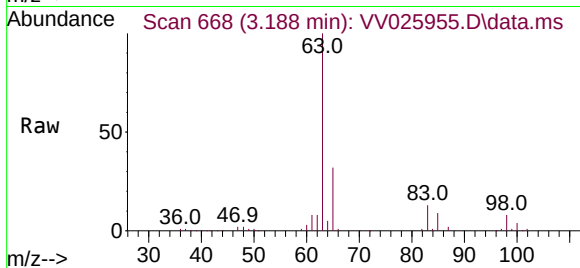
Tgt Ion: 63 Resp: 271937

Ion Ratio Lower Upper

63 100

65 32.0 22.0 40.8

83 13.2 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 43.761 ug/L

RT: 3.908 min Scan# 892

Delta R.T. 0.003 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

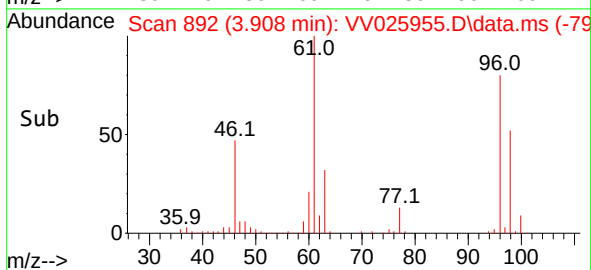
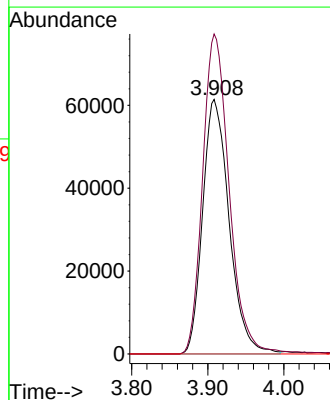
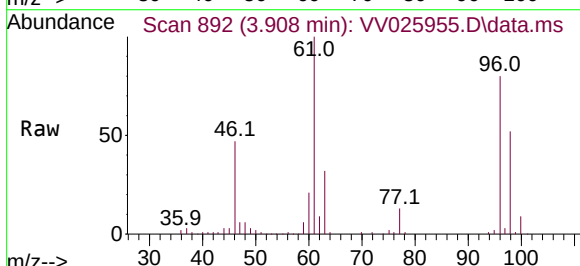
Tgt Ion: 96 Resp: 148978

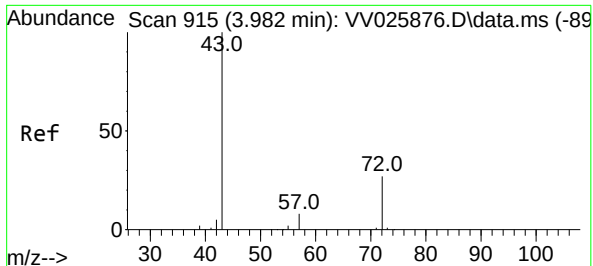
Ion Ratio Lower Upper

96 100

61 125.7 86.0 159.6

68 0.0 0.0 0.0

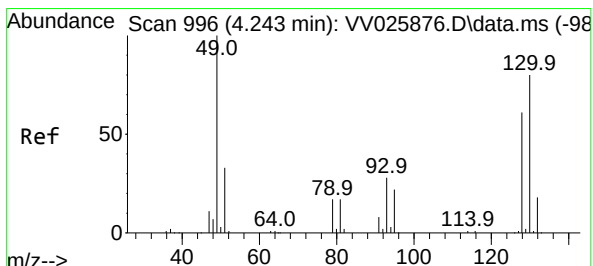
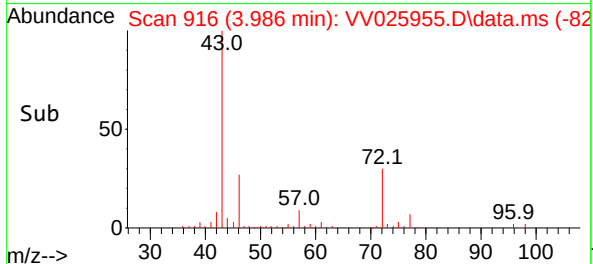
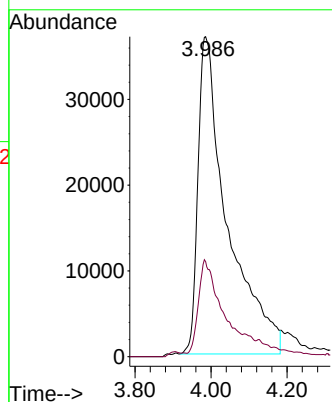
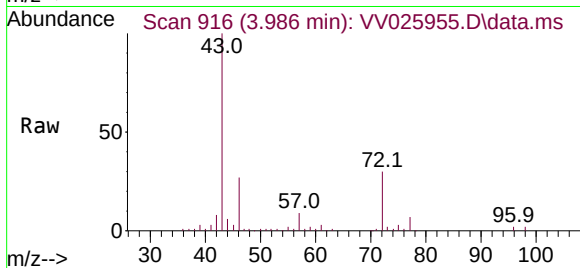




#22
2-Butanone
Concen: 101.299 ug/L
RT: 3.986 min Scan# 915
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

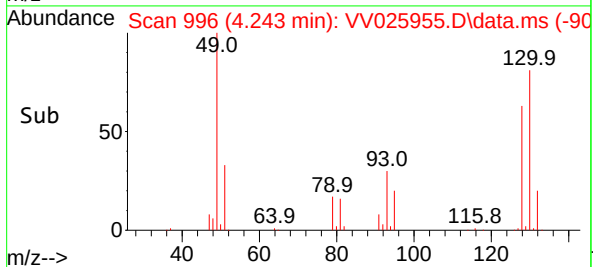
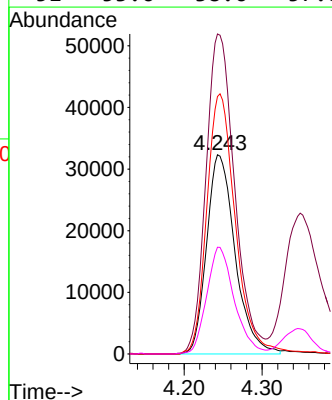
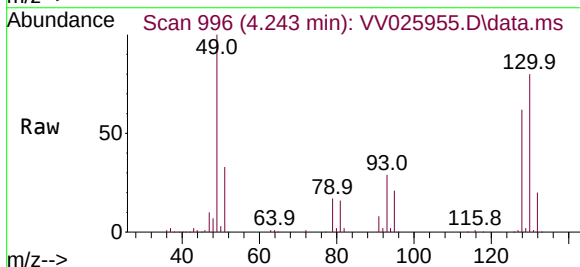
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

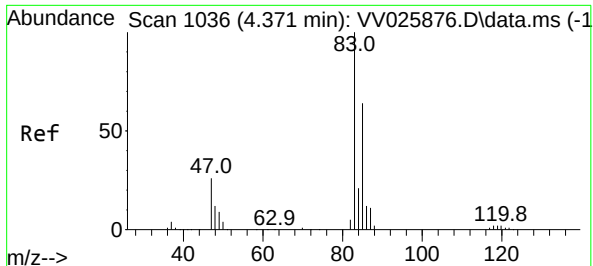
Tgt Ion: 43 Resp: 198292
Ion Ratio Lower Upper
43 100
72 20.5 13.8 41.4



#23
Bromochloromethane
Concen: 45.668 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion:128 Resp: 82119
Ion Ratio Lower Upper
128 100
49 160.6 111.0 206.2
130 129.3 87.1 161.7
51 53.6 38.6 57.8

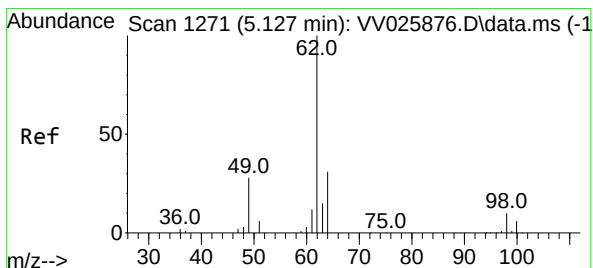
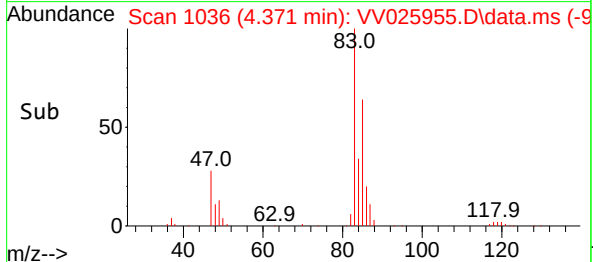
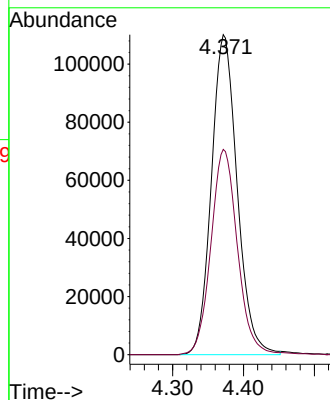
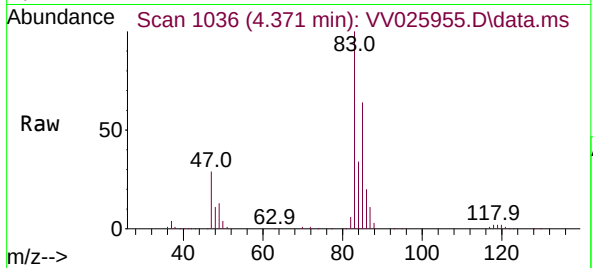




#25
Chloroform
Concen: 44.573 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

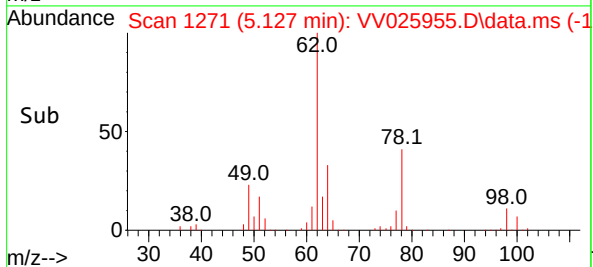
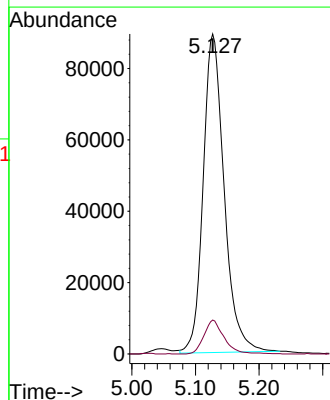
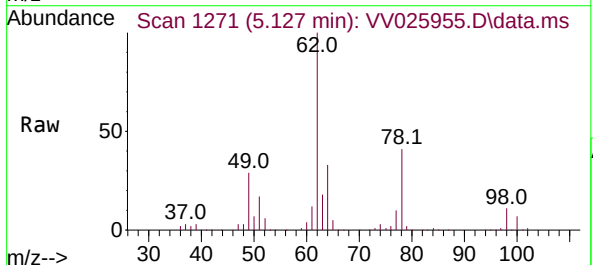
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

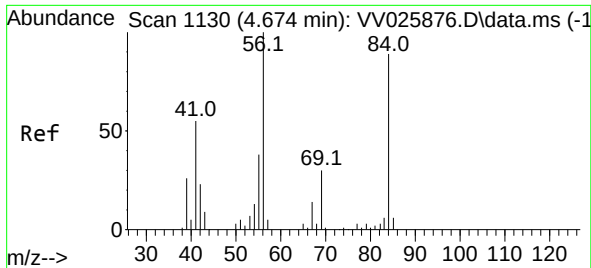
Tgt Ion: 83 Resp: 278240
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.3



#27
1,2-Dichloroethane
Concen: 43.391 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 62 Resp: 204787
Ion Ratio Lower Upper
62 100
98 10.6 7.7 11.5

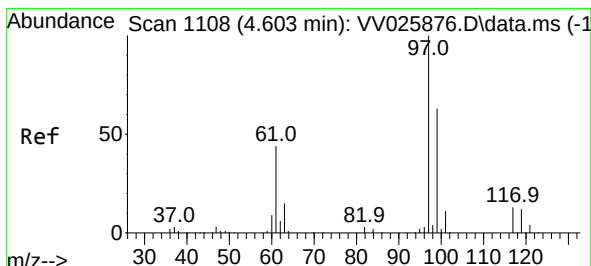
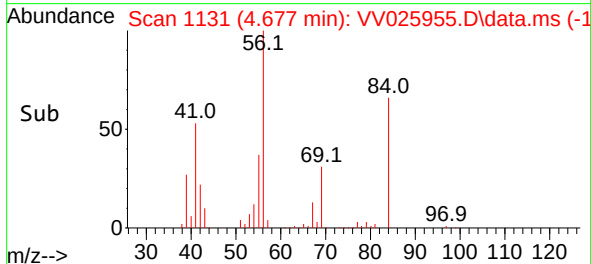
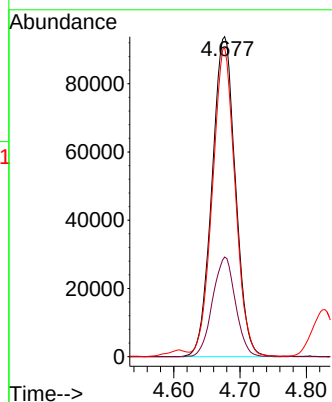
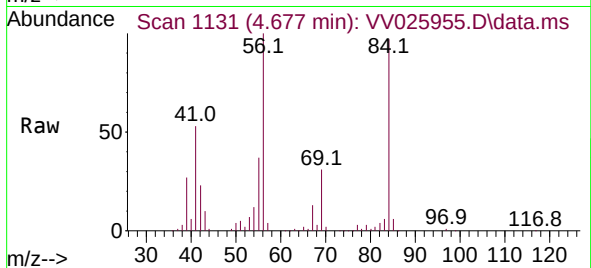




#29
Cyclohexane
Concen: 48.589 ug/L
RT: 4.677 min Scan# 1130
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

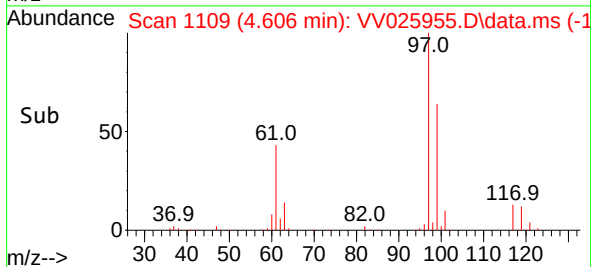
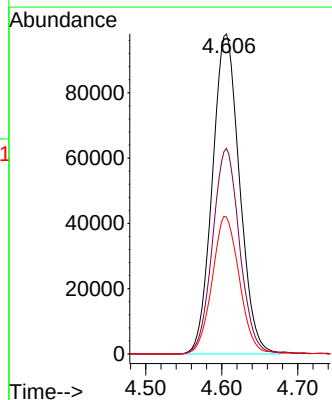
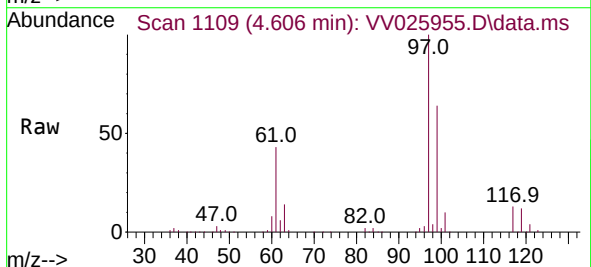
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

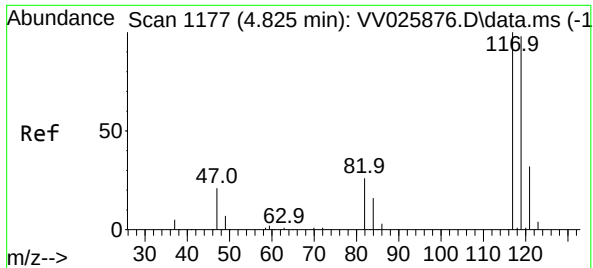
Tgt Ion: 56 Resp: 230072
Ion Ratio Lower Upper
56 100
69 30.5 24.8 37.2
84 93.8 73.8 110.8



#30
1,1,1-Trichloroethane
Concen: 45.854 ug/L
RT: 4.606 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 97 Resp: 243567
Ion Ratio Lower Upper
97 100
99 63.7 52.6 78.8
61 42.9 35.6 53.4

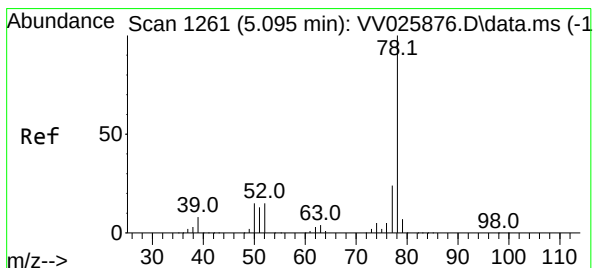
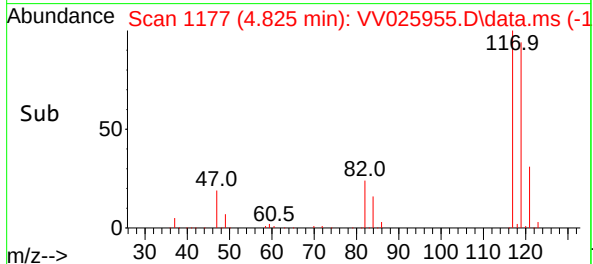
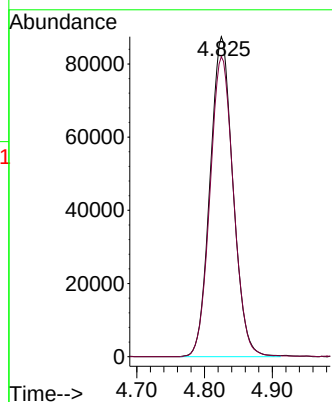
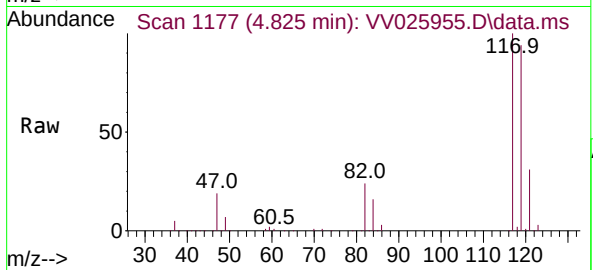




#31
Carbon tetrachloride
Concen: 46.116 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

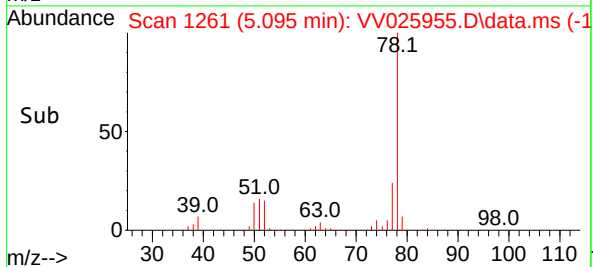
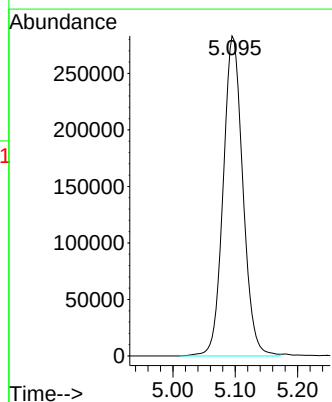
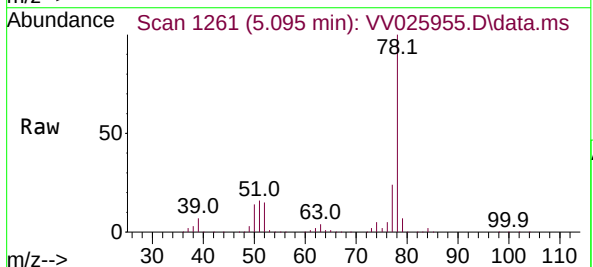
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

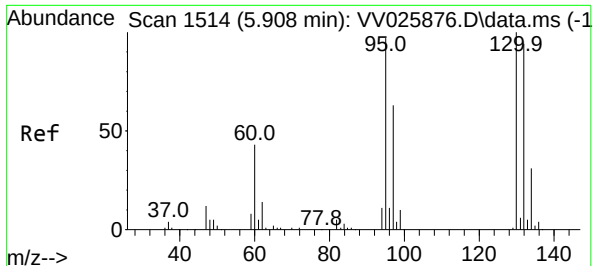
Tgt Ion:117 Resp: 205656
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3



#33
Benzene
Concen: 47.095 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 78 Resp: 620216



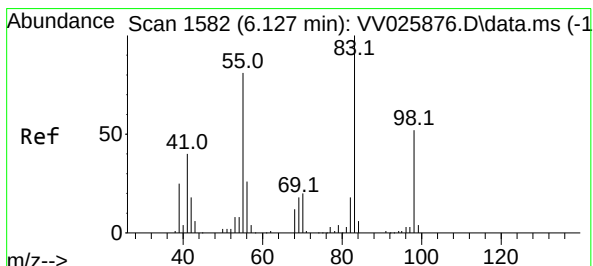
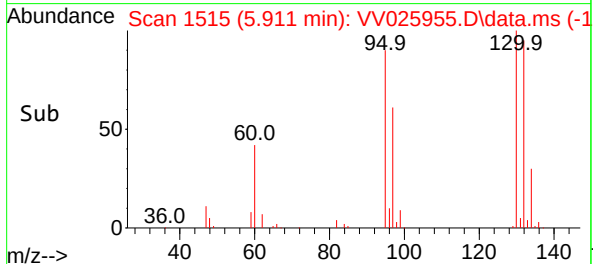
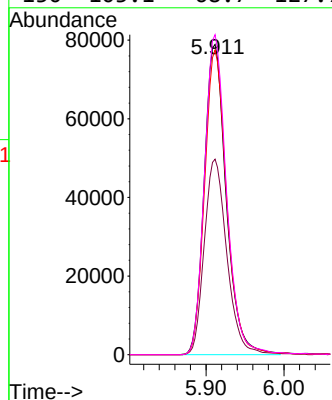
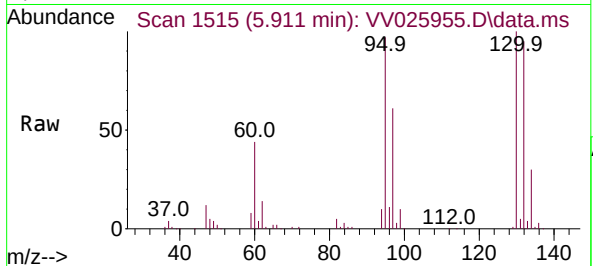


#34
Trichloroethene
Concen: 45.163 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

Tgt Ion: 95 Resp: 155566

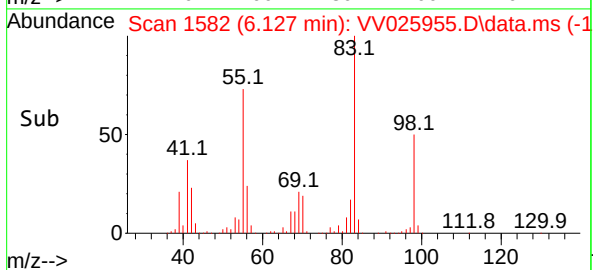
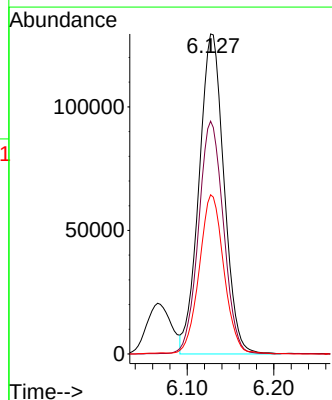
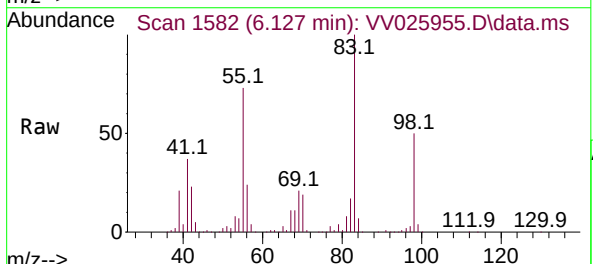
Ion	Ratio	Lower	Upper
95	100		
97	63.0	44.2	82.0
132	98.2	67.7	125.7
130	103.1	68.7	127.7

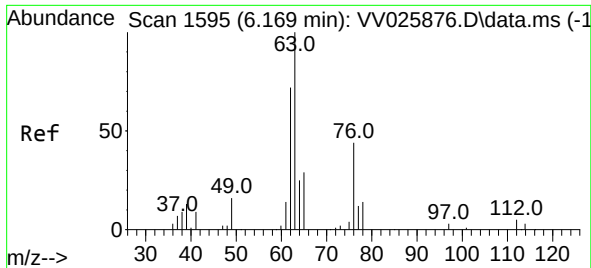


#35
Methylcyclohexane
Concen: 50.281 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 83 Resp: 259397

Ion	Ratio	Lower	Upper
83	100		
55	72.6	58.6	87.8
98	49.2	39.1	58.7





#37

1,2-Dichloropropane

Concen: 47.622 ug/L

RT: 6.169 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

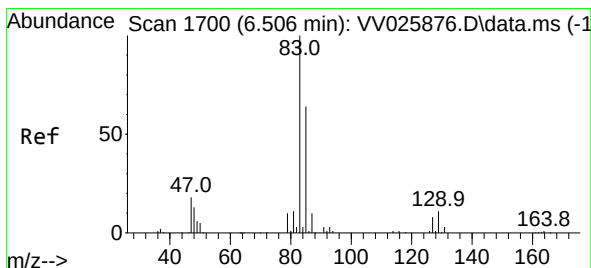
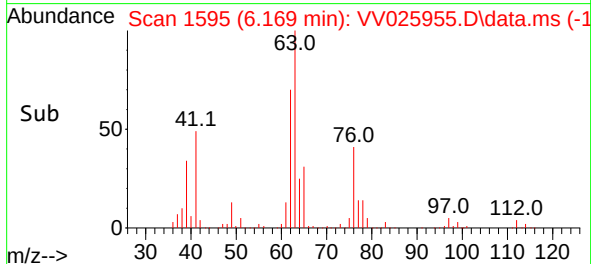
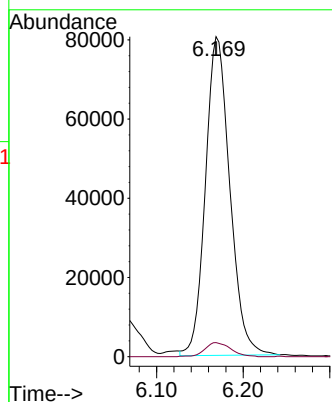
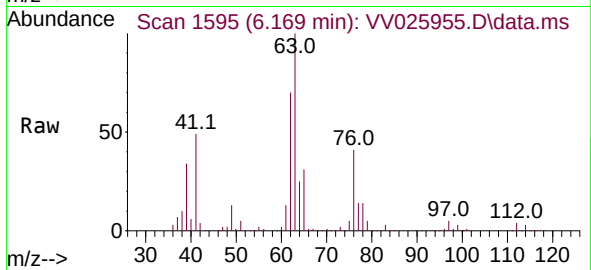
VSTD050295

Tgt Ion: 63 Resp: 157545

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 45.093 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

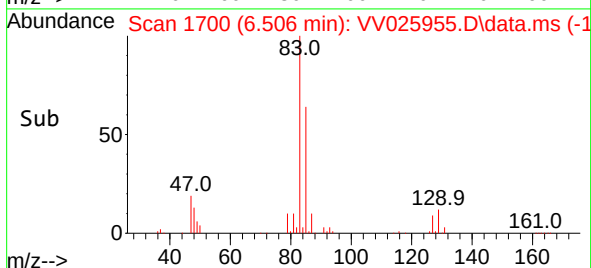
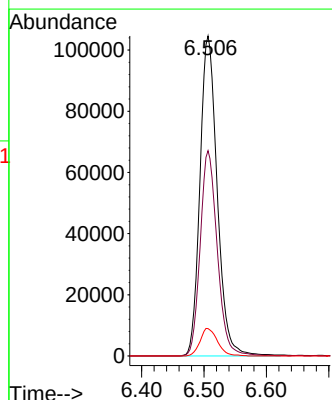
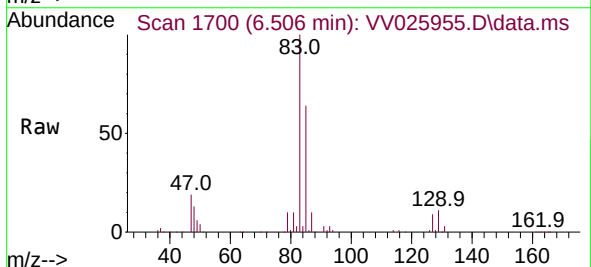
Tgt Ion: 83 Resp: 201731

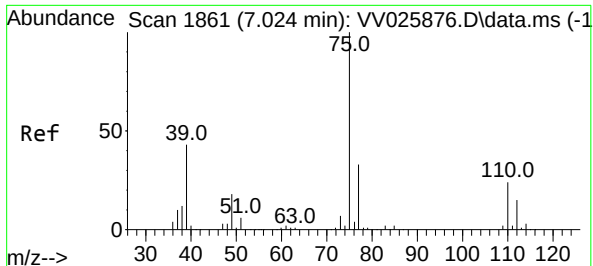
Ion Ratio Lower Upper

83 100

85 64.2 46.0 85.4

127 8.6 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 45.169 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

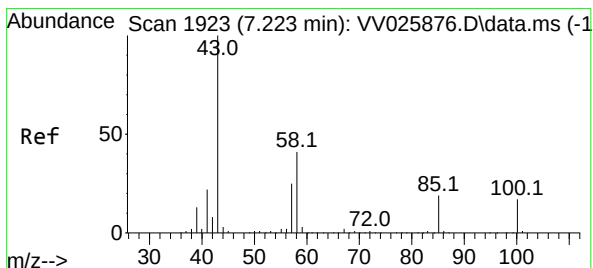
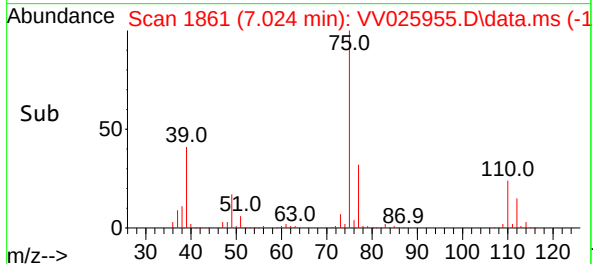
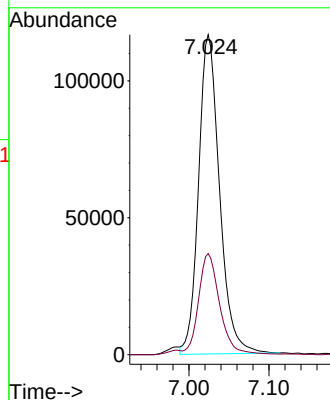
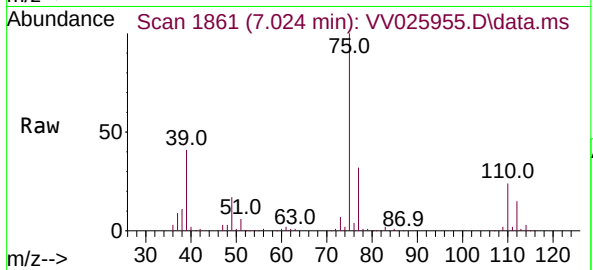
VSTD050295

Tgt Ion: 75 Resp: 213092

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 92.648 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

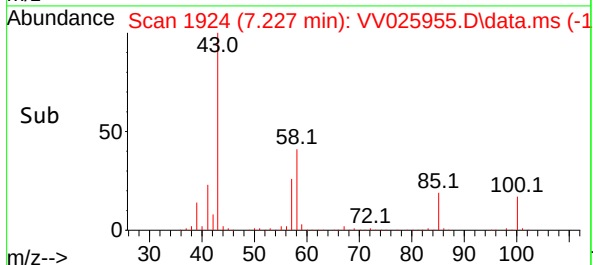
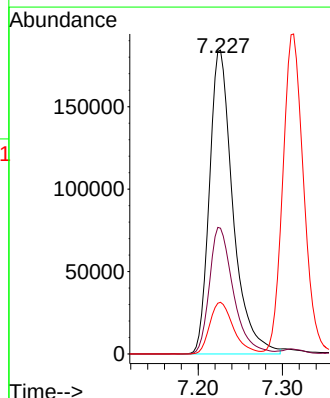
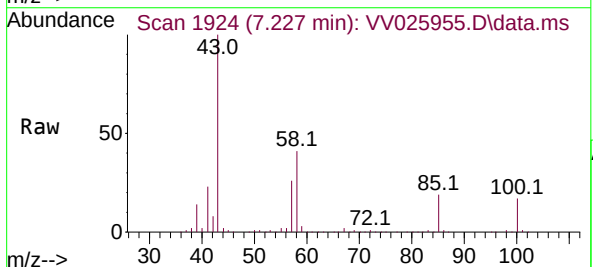
Tgt Ion: 43 Resp: 358271

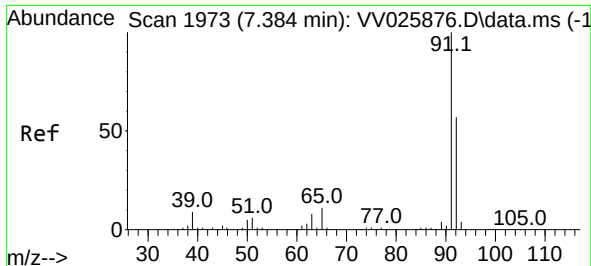
Ion Ratio Lower Upper

43 100

58 42.3 32.9 49.3

100 17.1 13.7 20.5

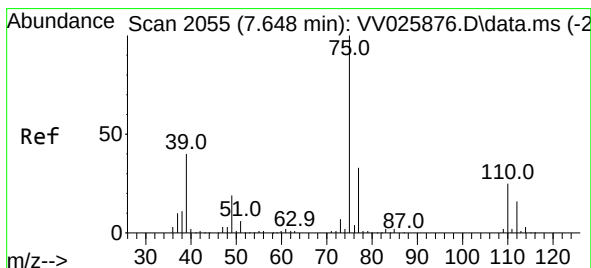
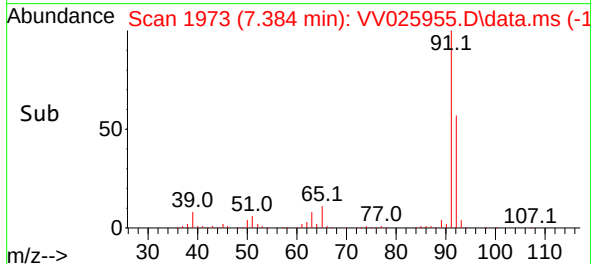
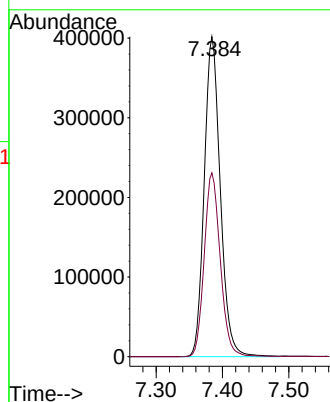
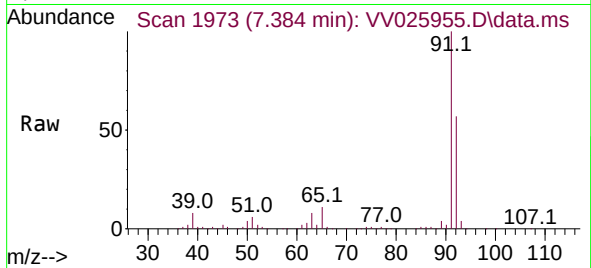




#42
Toluene
Concen: 47.843 ug/L
RT: 7.384 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

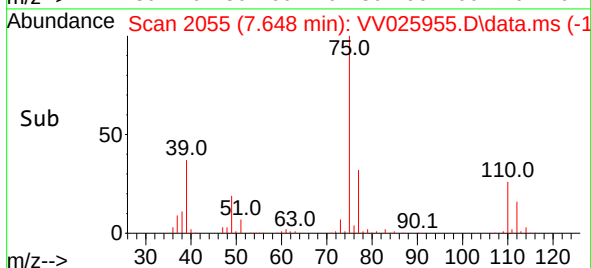
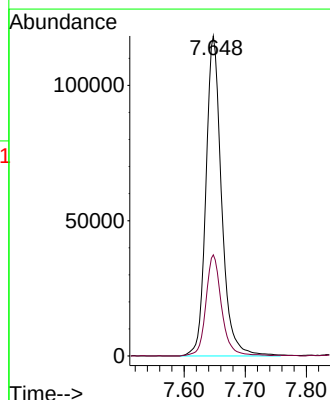
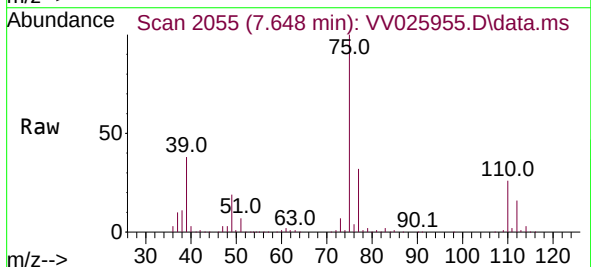
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

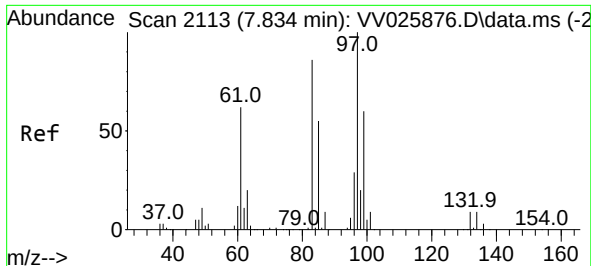
Tgt Ion: 91 Resp: 675908
Ion Ratio Lower Upper
91 100
92 57.4 40.5 75.3



#44
trans-1,3-Dichloropropene
Concen: 46.407 ug/L
RT: 7.648 min Scan# 2055
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 75 Resp: 210627
Ion Ratio Lower Upper
75 100
77 31.6 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 45.690 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050295

Tgt Ion: 97 Resp: 153583

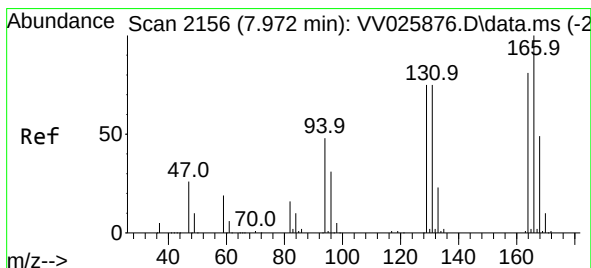
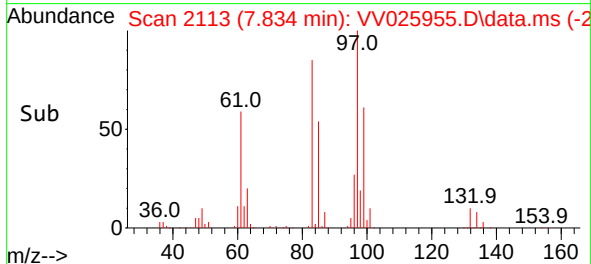
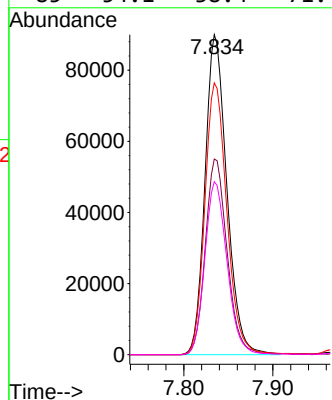
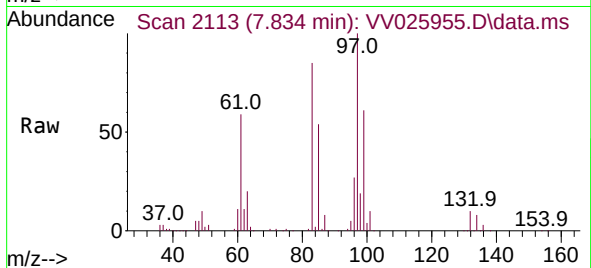
Ion Ratio Lower Upper

97 100

99 61.1 42.6 79.0

83 85.0 59.7 110.9

85 54.1 38.4 71.4



#46

Tetrachloroethene

Concen: 48.646 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Tgt Ion:164 Resp: 123602

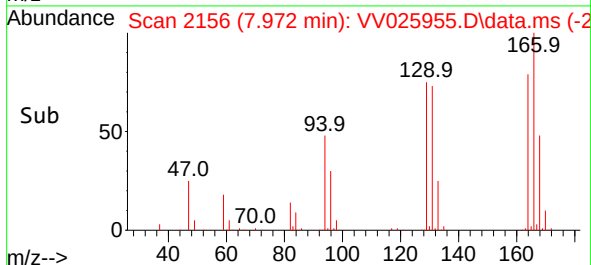
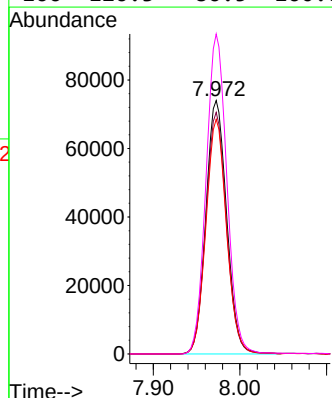
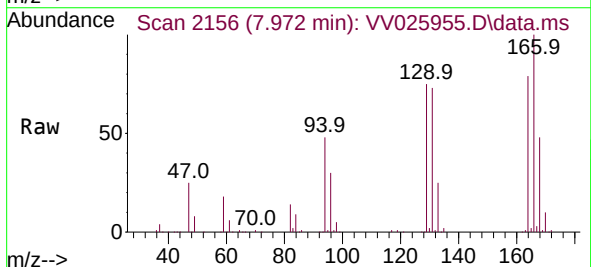
Ion Ratio Lower Upper

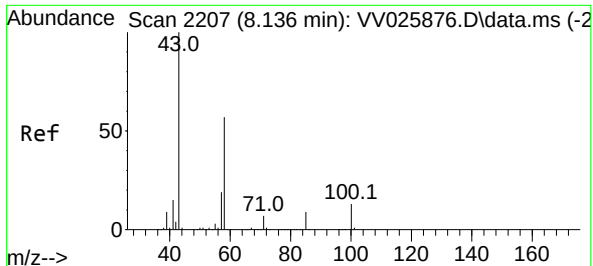
164 100

129 95.3 66.8 124.2

131 92.6 66.7 123.9

166 126.3 86.5 160.7

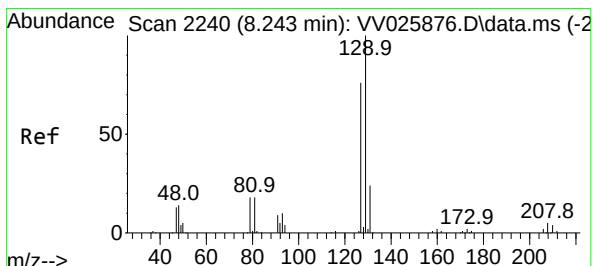
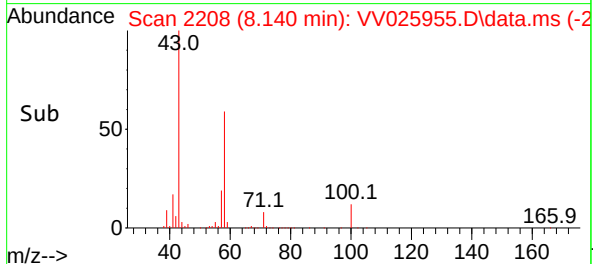
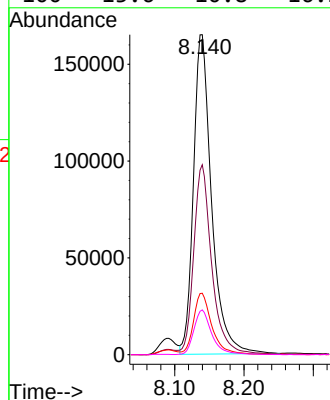
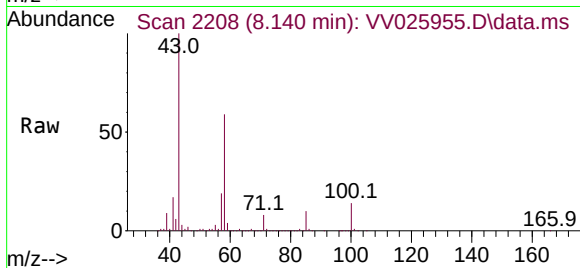




#48
2-Hexanone
Concen: 100.249 ug/L
RT: 8.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

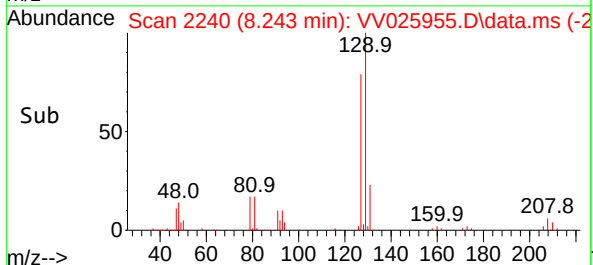
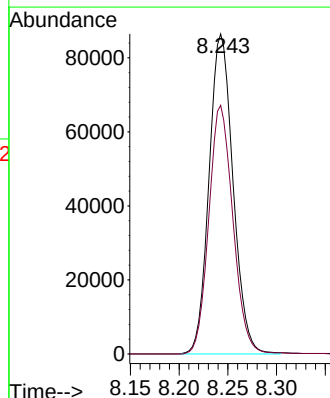
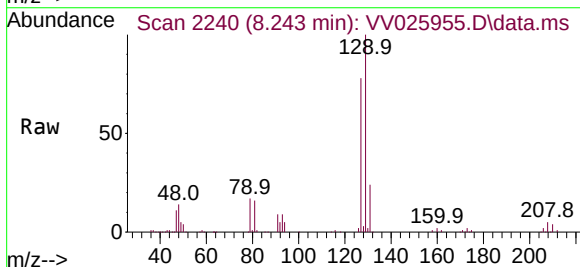
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

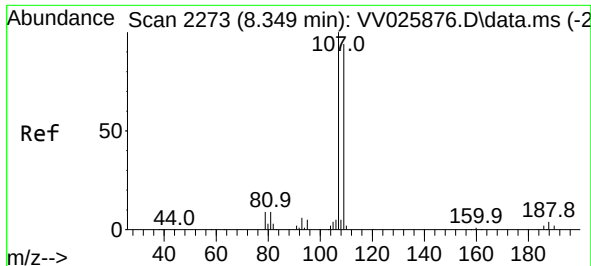
Tgt Ion: 43 Resp: 301631
Ion Ratio Lower Upper
43 100
58 59.0 45.9 68.9
57 19.1 15.4 23.2
100 13.6 10.8 16.2



#49
Dibromochloromethane
Concen: 44.620 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion:129 Resp: 147944
Ion Ratio Lower Upper
129 100
127 77.7 53.5 99.5





#50

1,2-Dibromoethane

Concen: 45.675 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050295

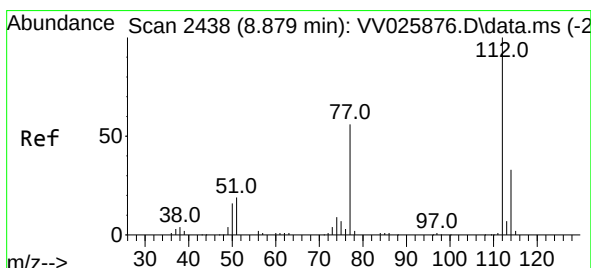
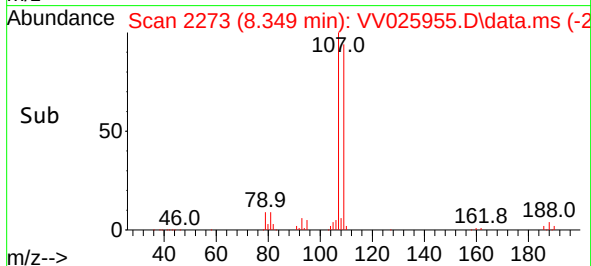
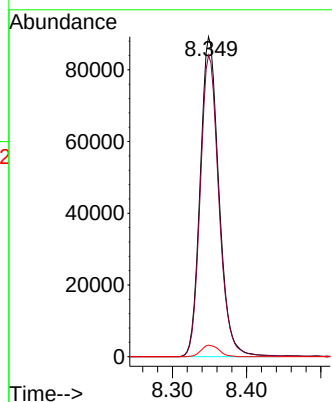
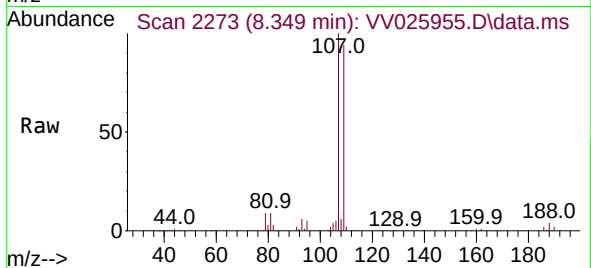
Tgt Ion:107 Resp: 156132

Ion Ratio Lower Upper

107 100

109 94.2 64.1 119.1

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 46.688 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

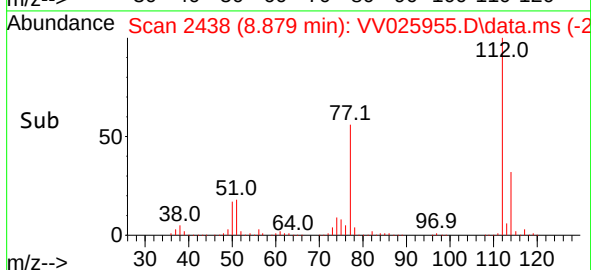
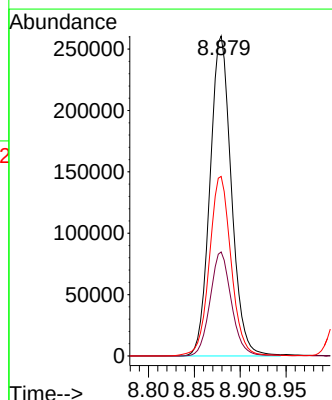
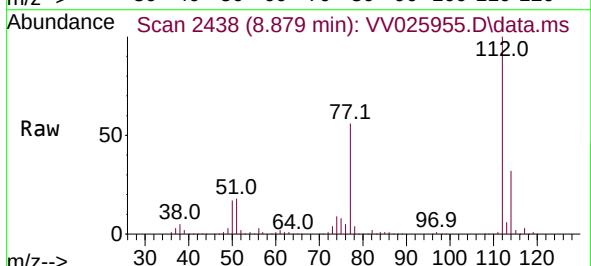
Tgt Ion:112 Resp: 422370

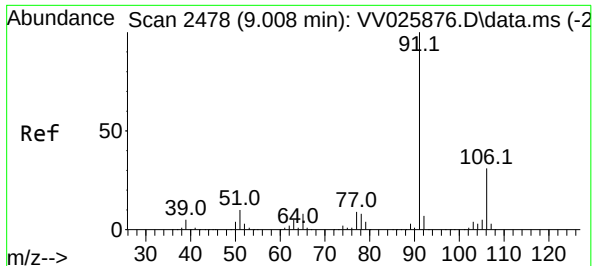
Ion Ratio Lower Upper

112 100

114 32.5 22.0 40.8

77 56.1 45.3 67.9

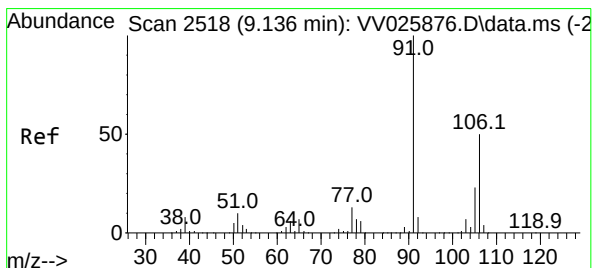
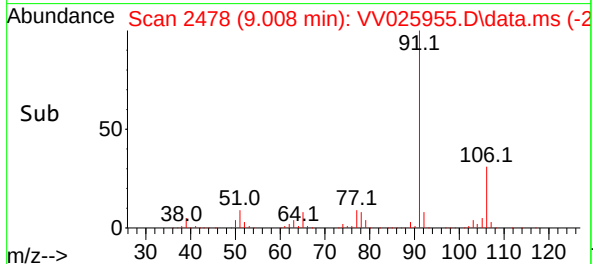
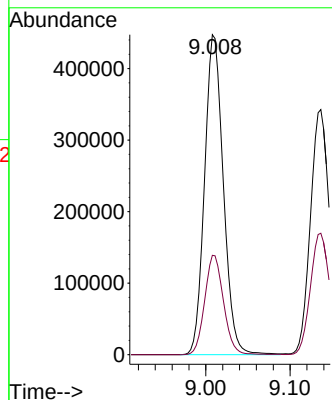
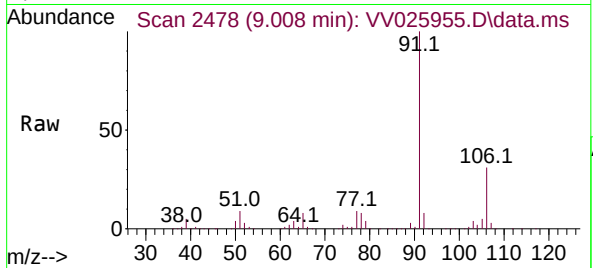




#52
Ethylbenzene
Concen: 47.783 ug/L
RT: 9.008 min Scan# 2478
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

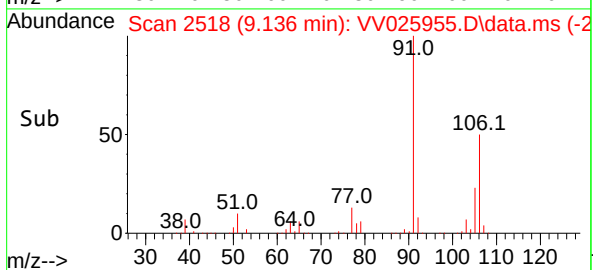
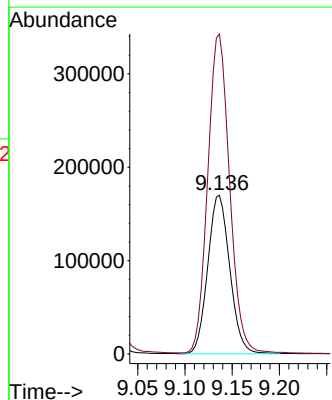
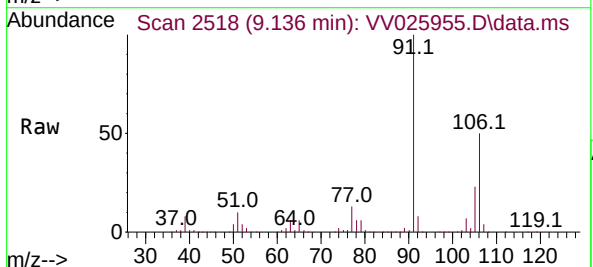
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

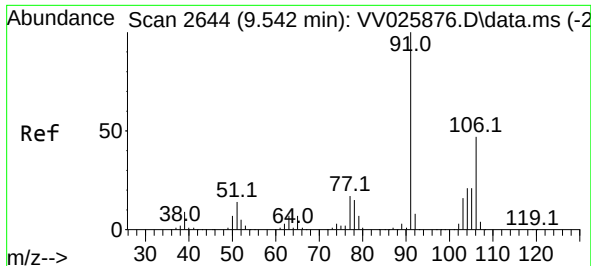
Tgt Ion: 91 Resp: 696456
Ion Ratio Lower Upper
91 100
106 31.1 21.8 40.6



#53
m,p-Xylene
Concen: 48.640 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 106 Resp: 274984
Ion Ratio Lower Upper
106 100
91 201.7 142.0 263.6

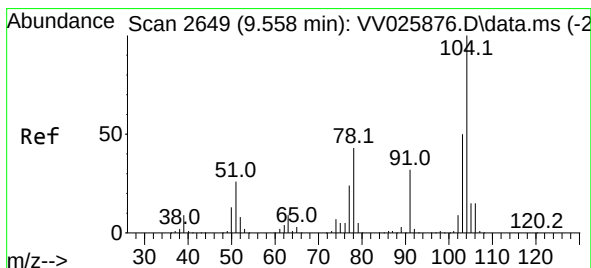
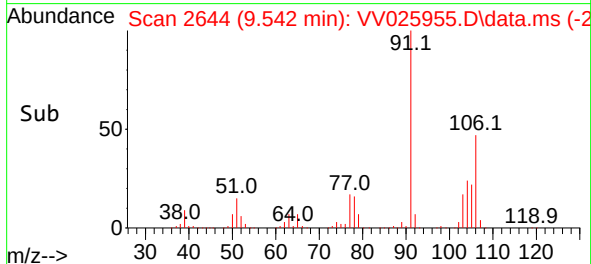
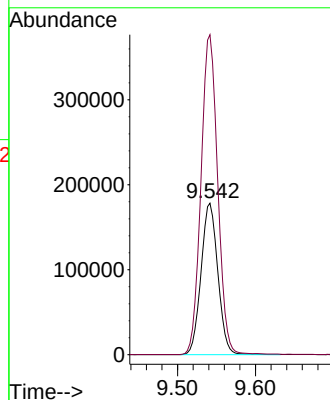
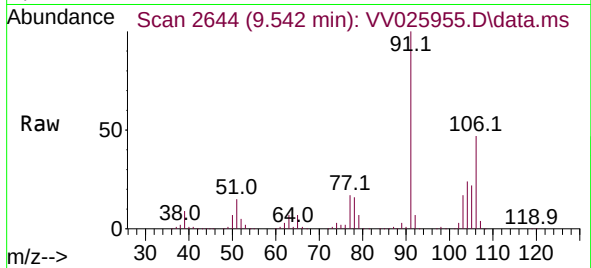




#54
o-Xylene
Concen: 48.074 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

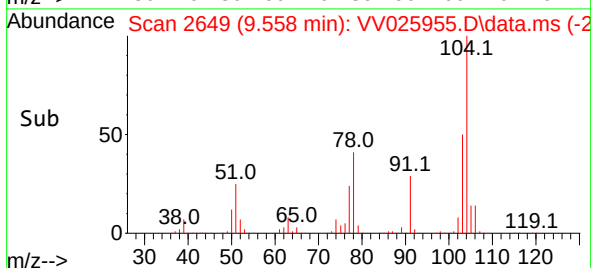
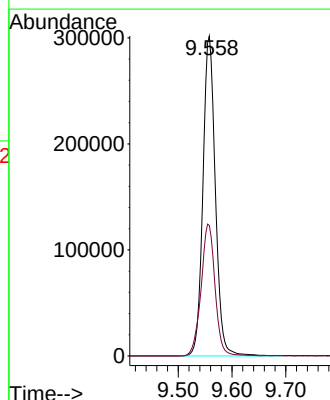
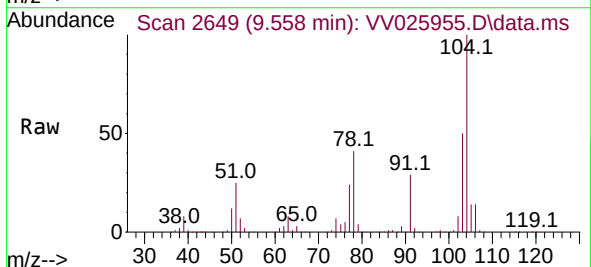
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

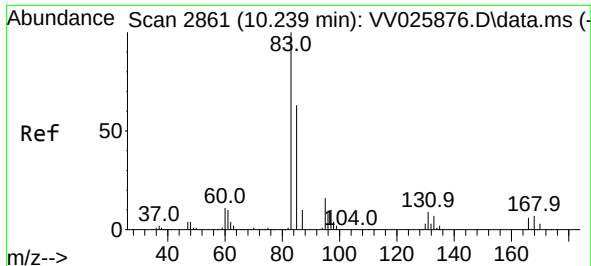
Tgt Ion:106 Resp: 266980
Ion Ratio Lower Upper
106 100
91 211.2 147.4 273.8



#55
Styrene
Concen: 50.121 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion:104 Resp: 485011
Ion Ratio Lower Upper
104 100
78 40.8 29.8 55.3

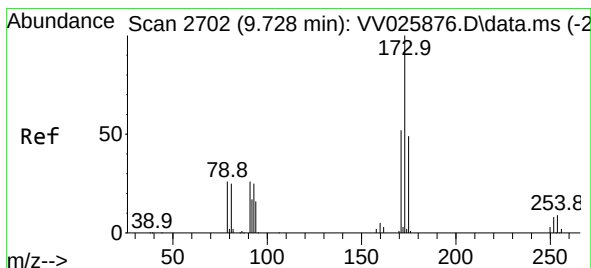
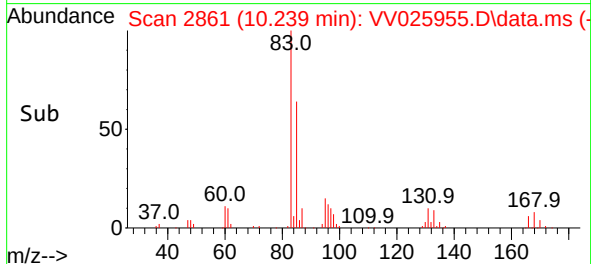
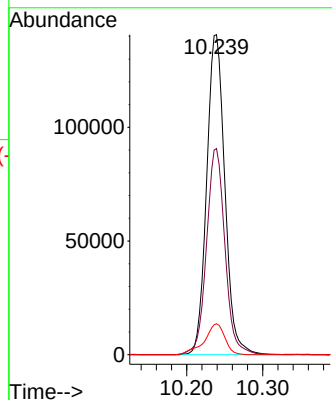
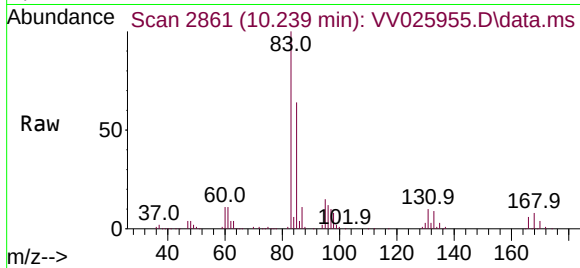




#57
1,1,2,2-Tetrachloroethane
Concen: 46.553 ug/L
RT: 10.239 min Scan# 2861
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

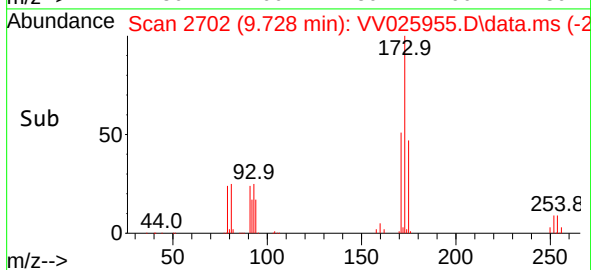
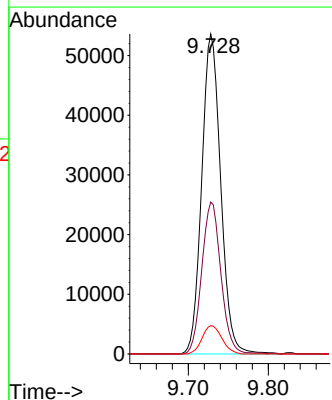
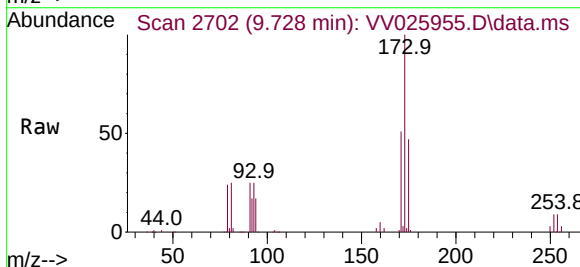
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

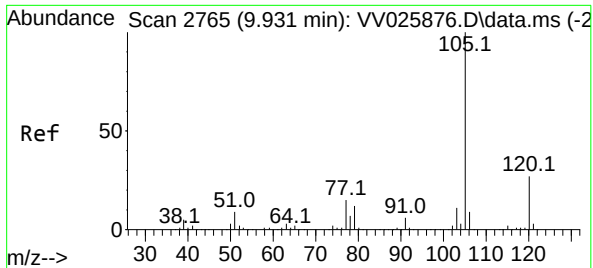
Tgt Ion: 83 Resp: 233481
Ion Ratio Lower Upper
83 100
85 64.4 44.7 82.9
131 9.6 7.5 11.3



#59
Bromoform
Concen: 41.303 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 173 Resp: 88766
Ion Ratio Lower Upper
173 100
175 47.6 38.1 57.1
254 9.2 7.0 10.6

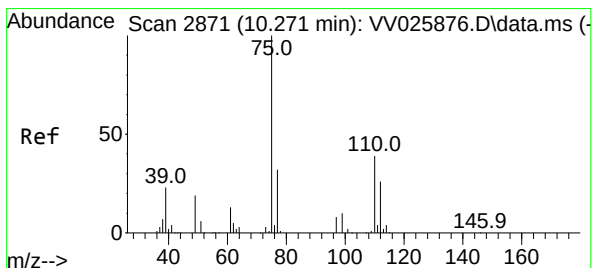
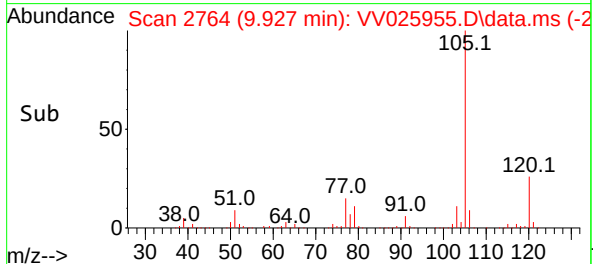
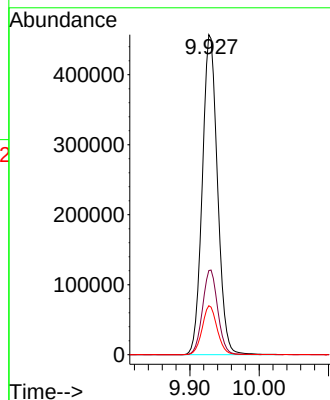
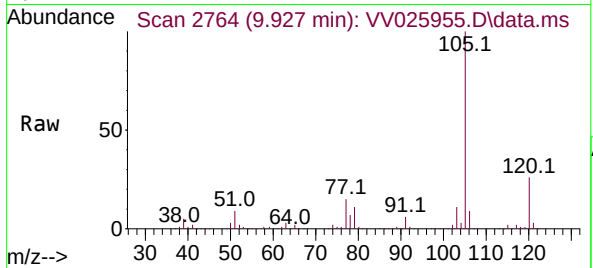




#60
Isopropylbenzene
Concen: 46.625 ug/L
RT: 9.927 min Scan# 2764
Delta R.T. -0.003 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

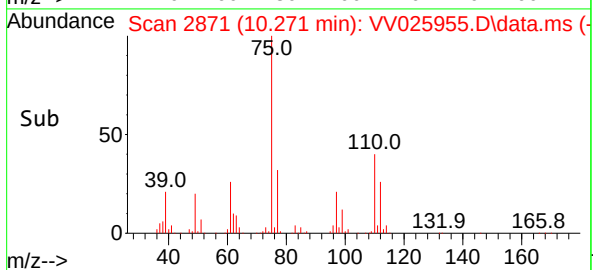
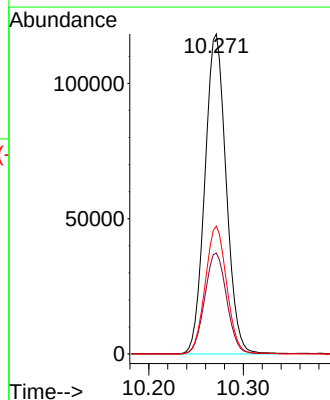
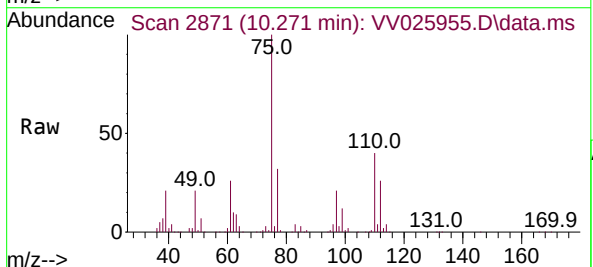
Instrument :
MSVOA_V
ClientSampleId :
VSTD050295

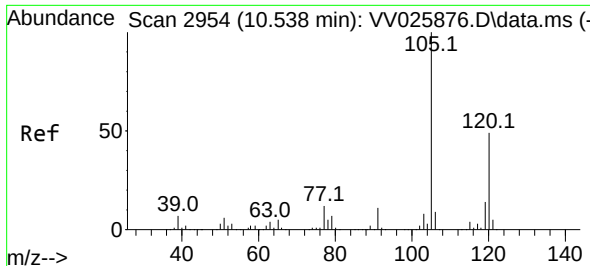
Tgt Ion:105 Resp: 695786
Ion Ratio Lower Upper
105 100
120 26.6 21.0 31.6
77 15.2 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 41.987 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025955.D
Acq: 26 May 2022 12:39

Tgt Ion: 75 Resp: 185152
Ion Ratio Lower Upper
75 100
77 32.4 25.3 37.9
110 40.3 32.3 48.5

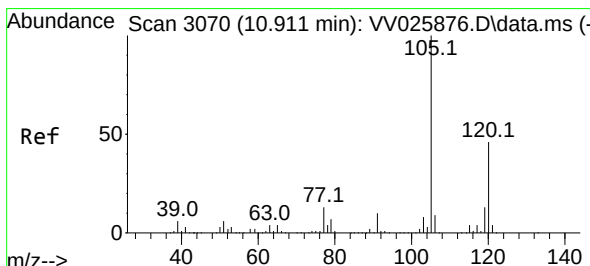
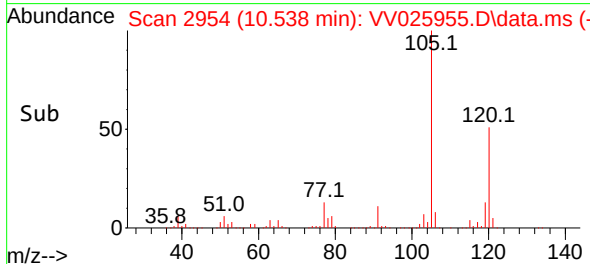
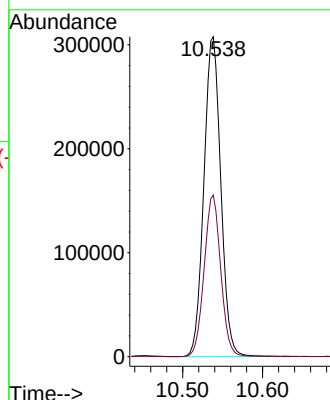
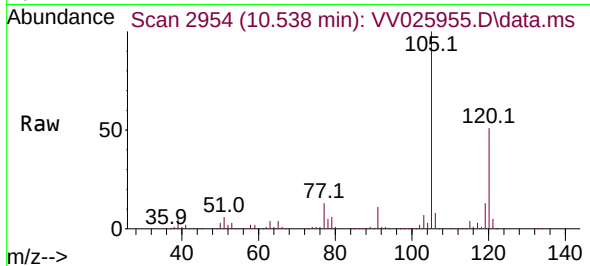




#62
 1,3,5-Trimethylbenzene
 Concen: 58.975 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. 0.000 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

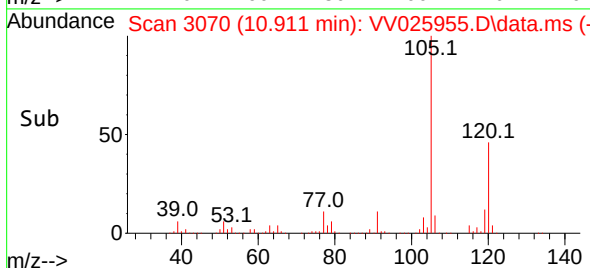
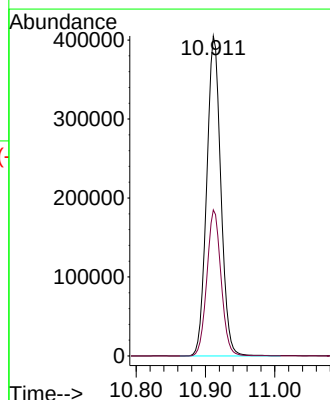
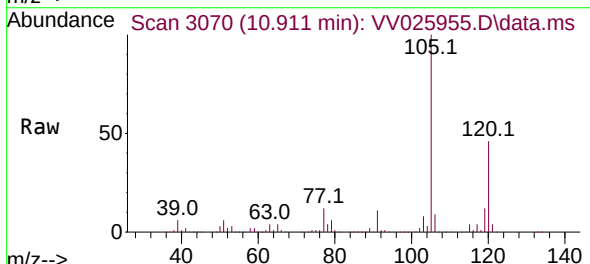
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050295

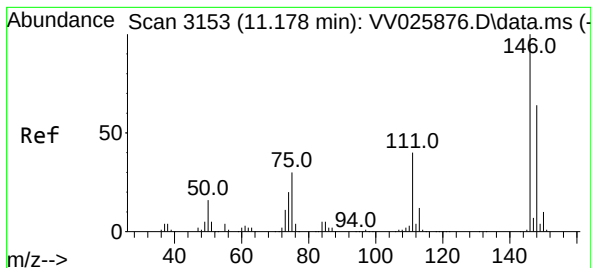
Tgt Ion:105 Resp: 453645
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 47.965 ug/L
 RT: 10.911 min Scan# 3070
 Delta R.T. 0.000 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

Tgt Ion:105 Resp: 572442
 Ion Ratio Lower Upper
 105 100
 120 45.7 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 46.657 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050295

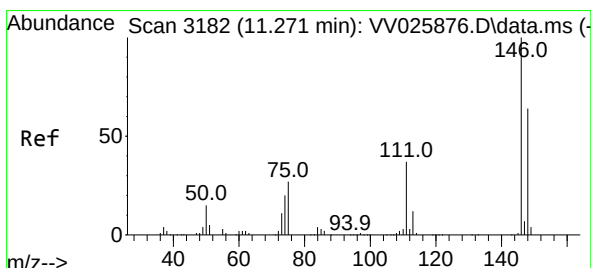
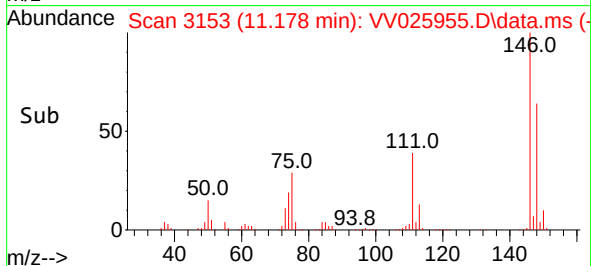
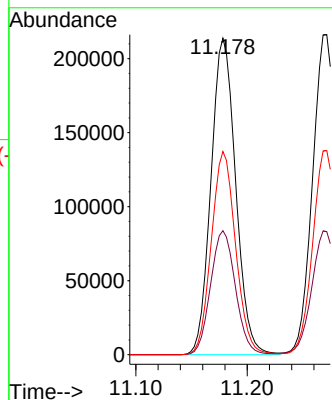
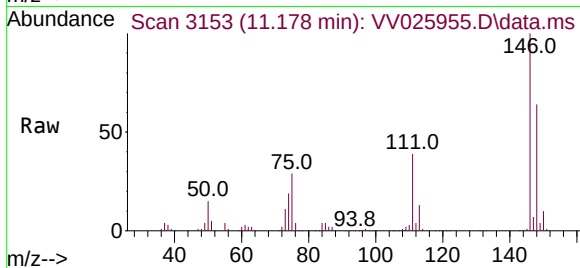
Tgt Ion:146 Resp: 329579

Ion Ratio Lower Upper

146 100

111 39.2 28.1 52.1

148 64.2 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 45.916 ug/L

RT: 11.271 min Scan# 3182

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

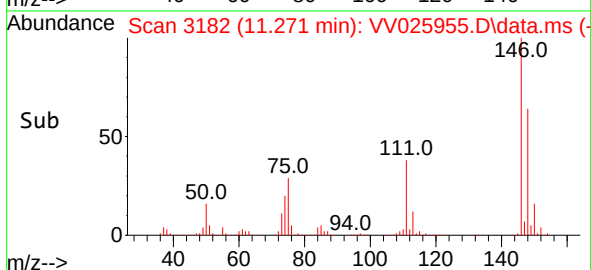
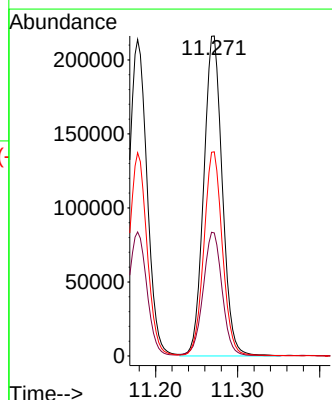
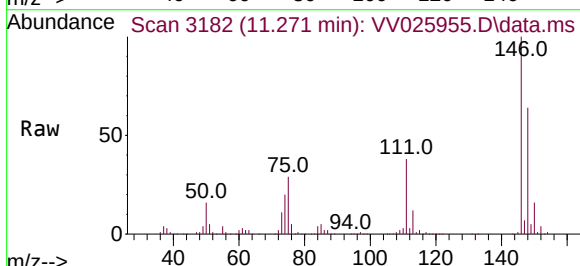
Tgt Ion:146 Resp: 339907

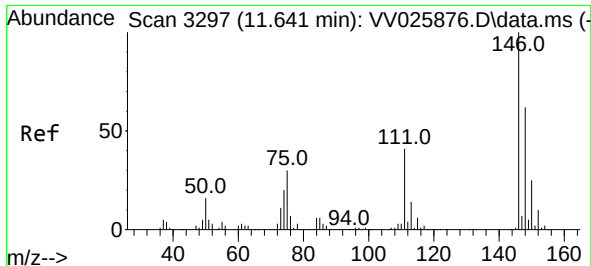
Ion Ratio Lower Upper

146 100

111 38.4 26.7 49.7

148 63.8 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 44.922 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050295

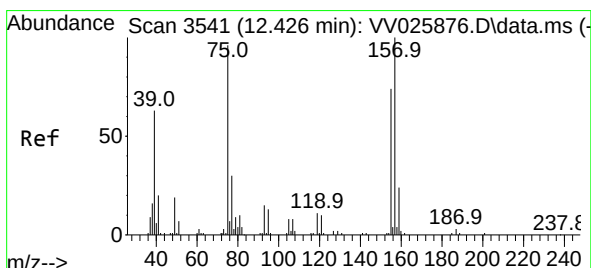
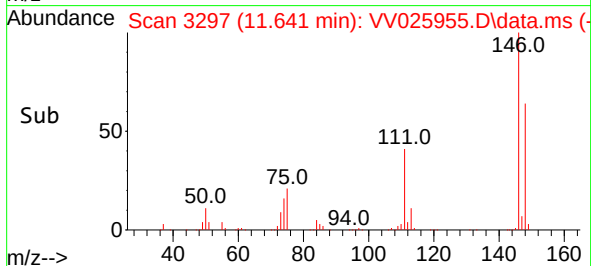
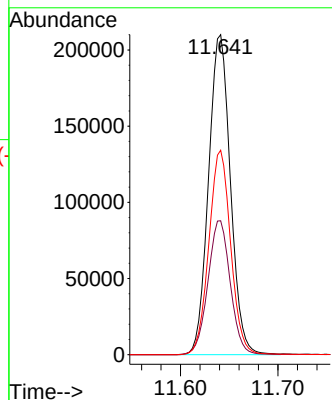
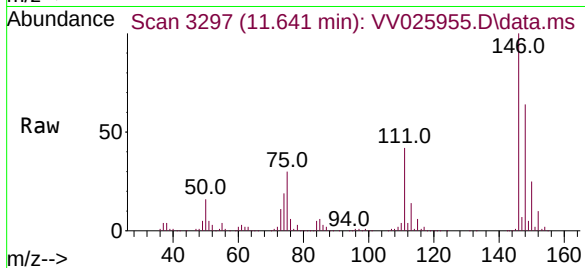
Tgt Ion:146 Resp: 328223

Ion Ratio Lower Upper

146 100

111 41.8 33.7 50.5

148 63.9 51.4 77.2



#68

1,2-Dibromo-3-chloropropane

Concen: 41.410 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

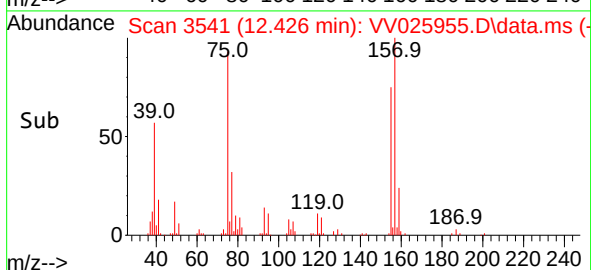
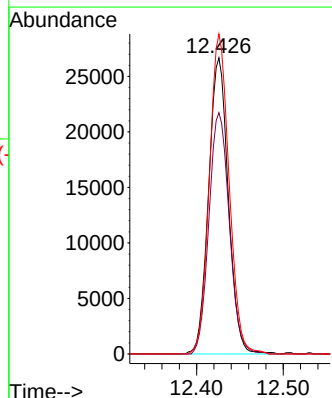
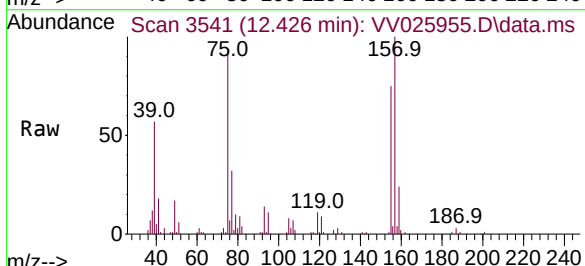
Tgt Ion: 75 Resp: 42159

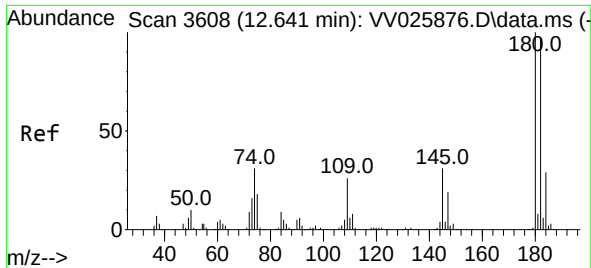
Ion Ratio Lower Upper

75 100

155 81.5 66.8 100.2

157 108.1 82.5 123.7

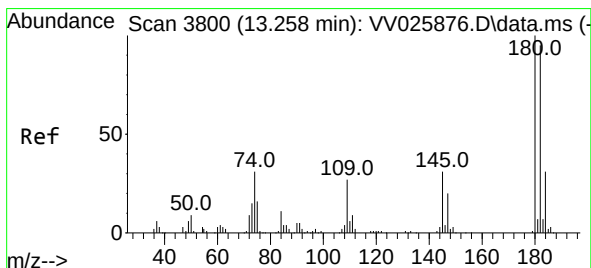
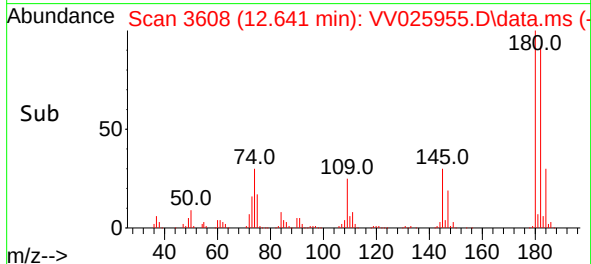
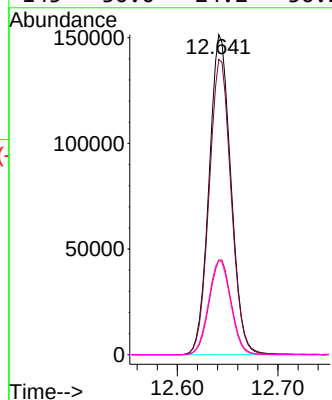
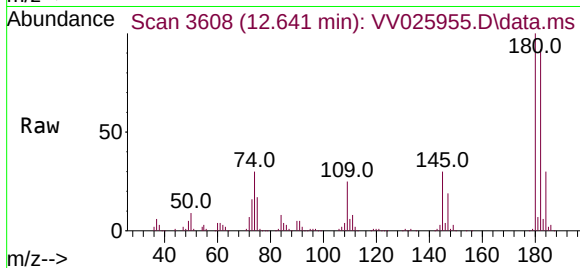




#69
 1,3,5-Trichlorobenzene
 Concen: 46.815 ug/L
 RT: 12.641 min Scan# 3608
 Delta R.T. 0.000 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

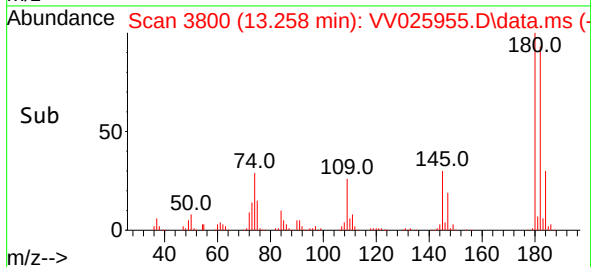
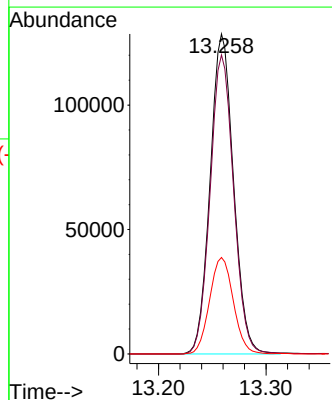
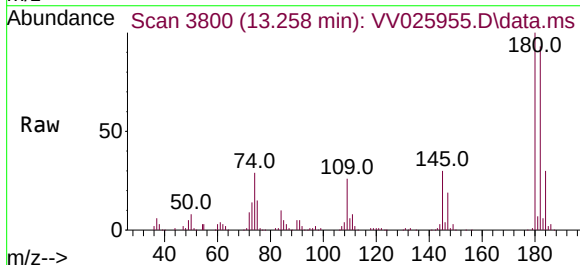
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050295

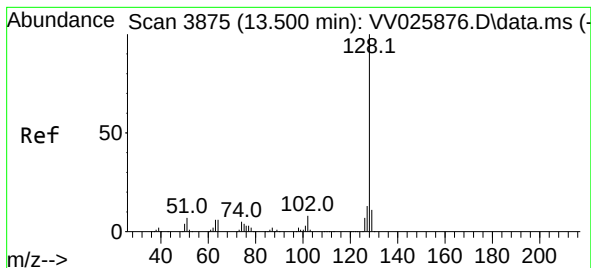
Tgt Ion:180	Resp:	228337	
Ion	Ratio	Lower	Upper
180	100		
182	93.0	75.1	112.7
184	30.0	23.6	35.4
145	30.0	24.2	36.2



#70
 1,2,4-trichlorobenzene
 Concen: 46.735 ug/L
 RT: 13.258 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV025955.D
 Acq: 26 May 2022 12:39

Tgt Ion:180	Resp:	194103	
Ion	Ratio	Lower	Upper
180	100		
182	93.8	74.8	112.2
145	30.6	24.8	37.2





#71

Naphthalene

Concen: 45.534 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050295

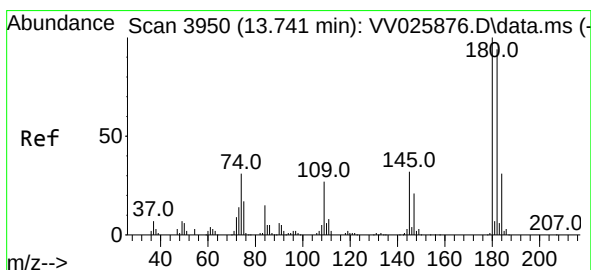
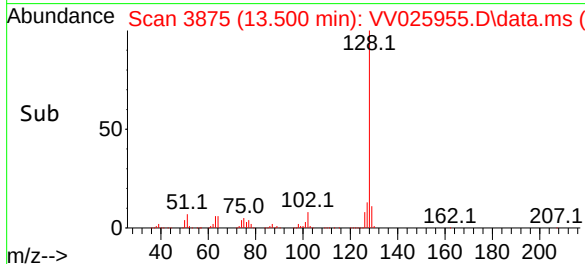
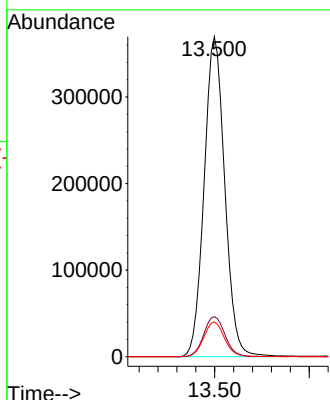
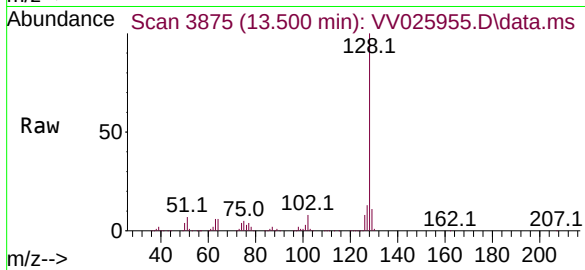
Tgt Ion:128 Resp: 560068

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 47.275 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV025955.D

Acq: 26 May 2022 12:39

Tgt Ion:180 Resp: 200085

Ion Ratio Lower Upper

180 100

182 94.3 75.8 113.8

145 32.9 26.3 39.5

