

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102022\
 Data File : VW028631.D
 Acq On : 20 Oct 2022 12:25
 Operator : SY/MD
 Sample : VSTD01067
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010267

Quant Time: Oct 20 23:12:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 20 23:10:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.603	114	216456	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	155235	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	78898	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	241727	12.325	ug/L	0.00
7) Chloroethane-d5	1.555	69	186129	11.721	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.095	63	412596	11.696	ug/L	0.00
20) 2-Butanone-d5	3.947	46	446936	112.045	ug/L	0.00
24) Chloroform-d	4.333	84	355564	12.018	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.021	65	181165	11.947	ug/L	0.00
32) Benzene-d6	5.031	84	732189	13.667	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.056	67	271406	15.064	ug/L	0.00
41) Toluene-d8	7.301	98	502686	12.139	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.612	79	49968	9.439	ug/L	0.00
46) 2-Hexanone-d5	8.101	63	239730	105.373	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.210	84	109369	11.293	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.616	152	151038	11.358	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	104395	8.587	ug/L	96
3) Chloromethane	1.227	50	202032	9.763	ug/L	99
5) Vinyl chloride	1.298	62	206020	10.077	ug/L	99
6) Bromomethane	1.510	94	94227	10.144	ug/L	100
8) Chloroethane	1.571	64	131742	9.862	ug/L	95
9) Trichlorofluoromethane	1.738	101	252087	10.103	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.101	101	149997	10.086	ug/L	98
12) 1,1-Dichloroethene	2.105	96	141264	10.270	ug/L	91
13) Acetone	2.236	43	238129	84.423	ug/L	95
14) Carbon disulfide	2.278	76	340256	9.104	ug/L	99
15) Methyl Acetate	2.449	43	80220	12.162	ug/L	94
16) Methylene chloride	2.494	84	166800	8.668	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	385205	10.935	ug/L	99
18) trans-1,2-Dichloroethene	2.741	96	148006	10.334	ug/L	97
19) 1,1-Dichloroethane	3.172	63	353404	10.829	ug/L	98
21) 2-Butanone	4.031	43	446324	108.067	ug/L	99
22) cis-1,2-Dichloroethene	3.892	96	172442	10.599	ug/L #	92
23) Bromochloromethane	4.230	128	61703	9.953	ug/L	95
25) Chloroform	4.359	83	333538	10.777	ug/L	97
27) 1,2-Dichloroethane	5.121	62	206568	11.249	ug/L	100
29) 1,1,1-Trichloroethane	4.584	97	263345	11.816	ug/L	98
30) Cyclohexane	4.645	56	306157	11.919	ug/L	97
31) Carbon tetrachloride	4.802	117	198304	11.502	ug/L	98
33) Benzene	5.079	78	713153	12.248	ug/L	100
34) Trichloroethene	5.889	95	177750	12.330	ug/L	99
35) Methylcyclohexane	6.101	83	288061	12.013	ug/L	96
37) 1,2-Dichloropropane	6.159	63	199891	12.849	ug/L	99
38) Bromodichloromethane	6.494	83	179035	10.681	ug/L	99
39) cis-1,3-Dichloropropene	7.014	75	176239	9.219	ug/L	99
40) 4-Methyl-2-pentanone	7.246	43	804758	101.632	ug/L	99
42) Toluene	7.371	91	560278	10.598	ug/L	100
44) trans-1,3-Dichloropropene	7.641	75	136324	9.772	ug/L	100

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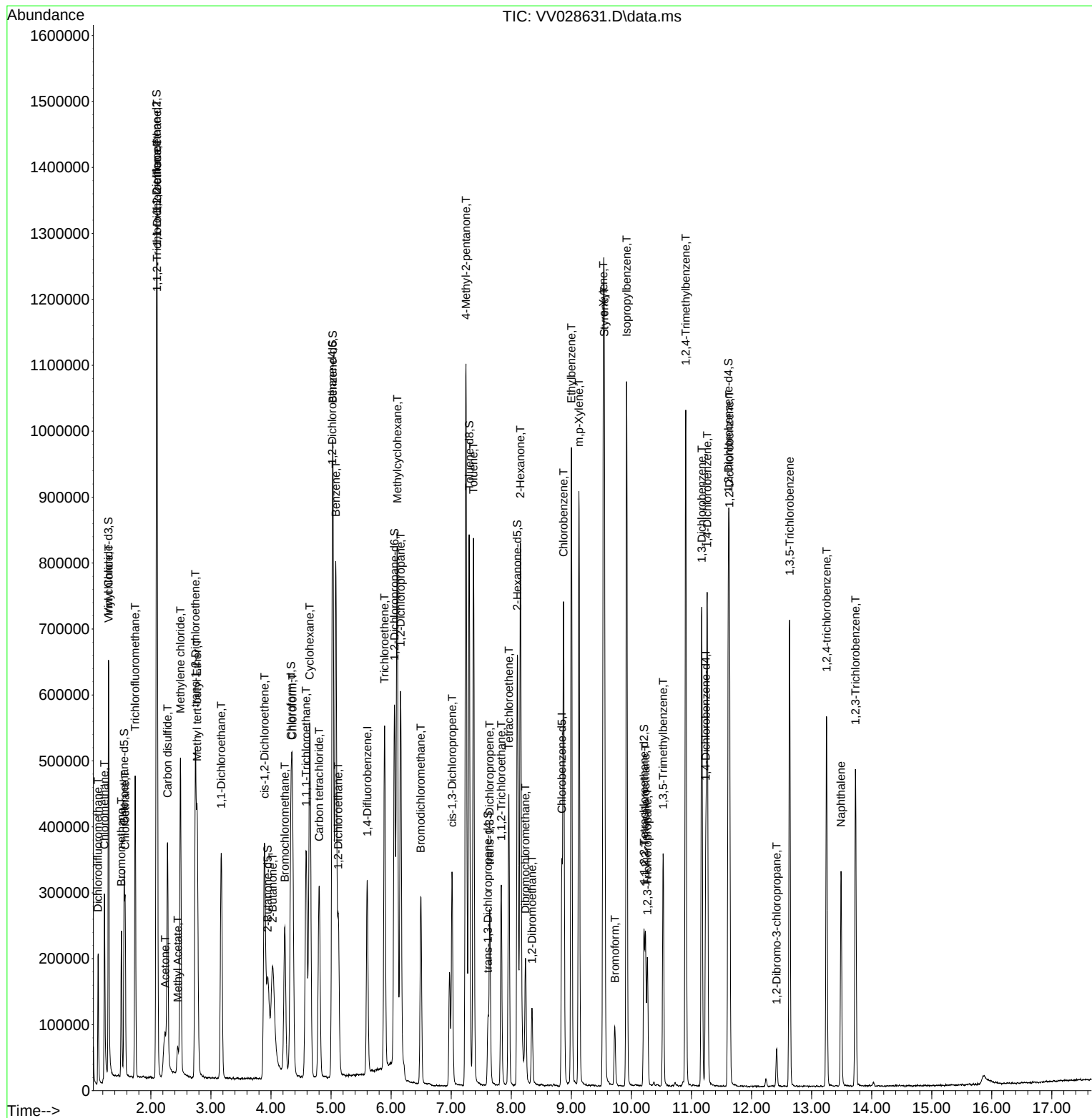
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.834	97	87048	10.958	ug/L	94
47) Tetrachloroethene	7.960	164	88454	10.187	ug/L	98
48) 2-Hexanone	8.153	43	575031	107.504	ug/L	99
49) Dibromochloromethane	8.236	129	85139	10.252	ug/L	95
50) 1,2-Dibromoethane	8.346	107	75449	10.789	ug/L	99
51) Chlorobenzene	8.870	112	347663	10.640	ug/L	99
52) Ethylbenzene	9.001	91	627506	10.788	ug/L	98
53) m,p-Xylene	9.127	106	232834	10.658	ug/L	99
54) o-Xylene	9.532	106	232281	11.052	ug/L	95
55) Styrene	9.551	104	403068	11.228	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.233	83	106661	10.803	ug/L	99
59) Bromoform	9.725	173	36993	9.368	ug/L	97
60) Isopropylbenzene	9.921	105	638606	10.862	ug/L	100
61) 1,2,3-Trichloropropane	10.268	75	73422	10.089	ug/L	97
62) 1,3,5-Trimethylbenzene	10.529	105	177568	10.151	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	512572	10.681	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	261620	10.557	ug/L	99
65) 1,4-Dichlorobenzene	11.262	146	257005	10.542	ug/L	99
67) 1,2-Dichlorobenzene	11.632	146	237510	10.646	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.419	75	12244	8.526	ug/L	89
69) 1,3,5-Trichlorobenzene	12.635	180	186828	10.439	ug/L	99
70) 1,2,4-trichlorobenzene	13.249	180	148040	10.815	ug/L	100
71) Naphthalene	13.490	128	230821	11.338	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	127763	11.186	ug/L	98

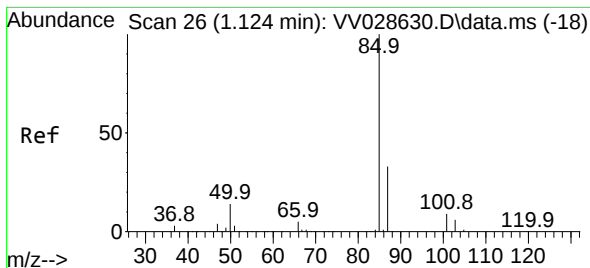
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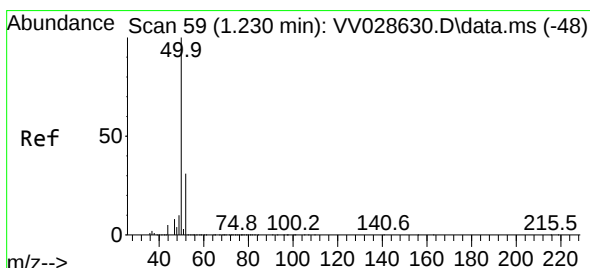
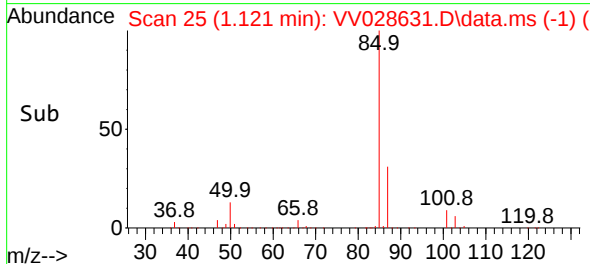
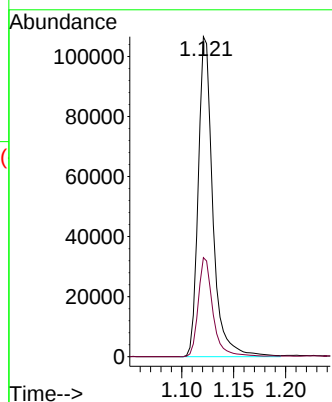
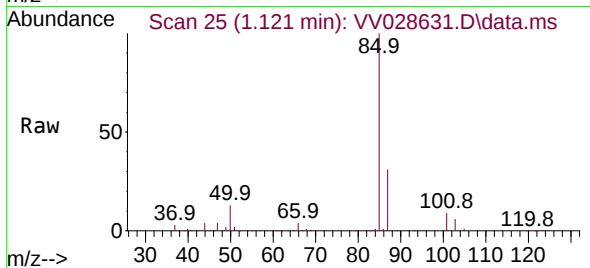




#2
 Dichlorodifluoromethane
 Concen: 8.587 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

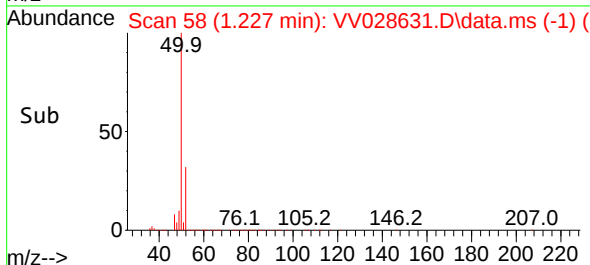
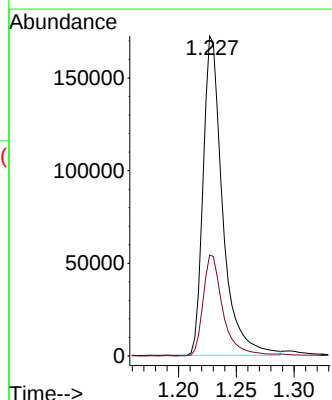
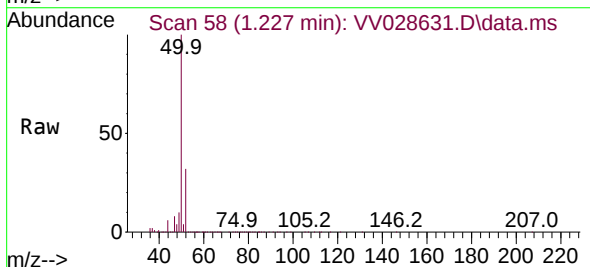
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010267

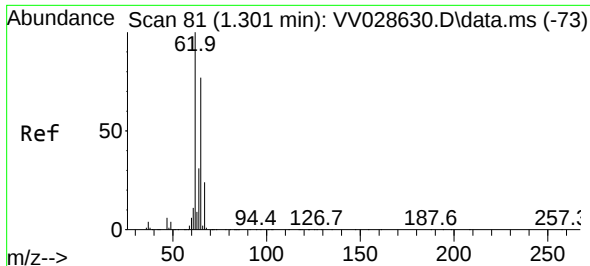
Tgt Ion: 85 Resp: 104395
 Ion Ratio Lower Upper
 85 100
 87 31.2 26.6 40.0



#3
 Chloromethane
 Concen: 9.763 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

Tgt Ion: 50 Resp: 202032
 Ion Ratio Lower Upper
 50 100
 52 31.5 21.8 40.6

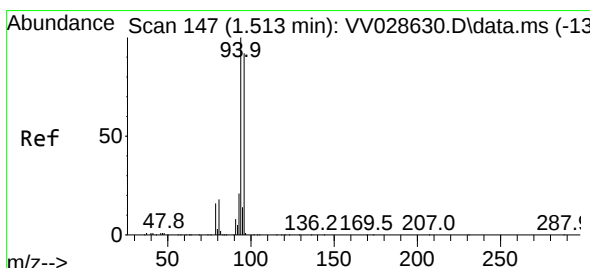
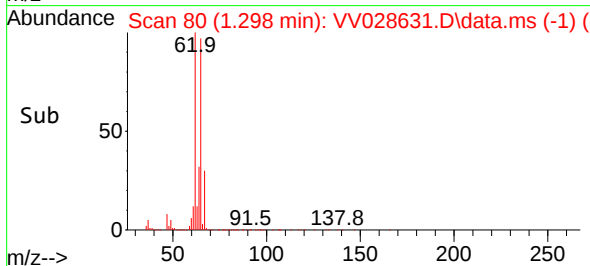
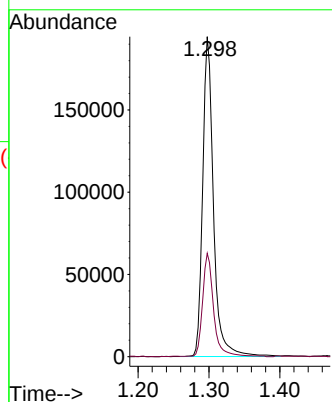
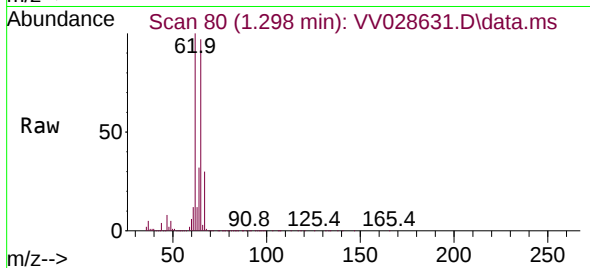




#5
 Vinyl chloride
 Concen: 10.077 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

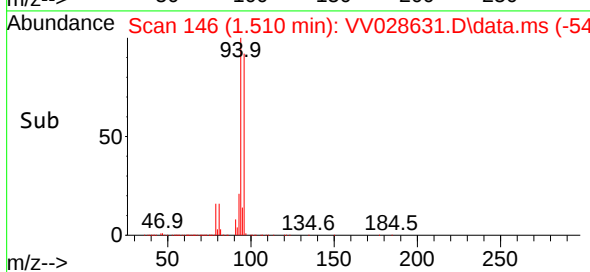
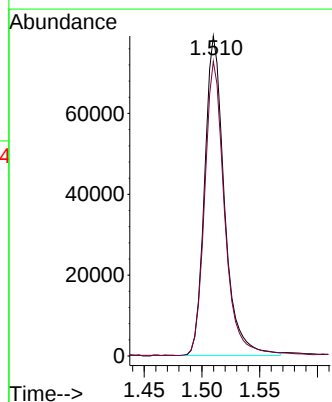
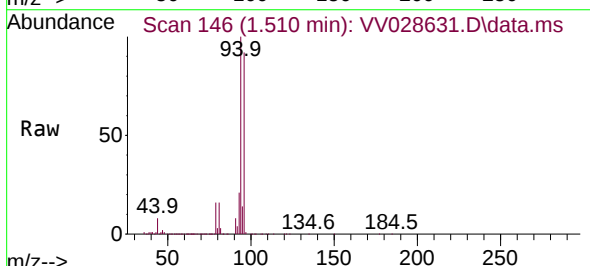
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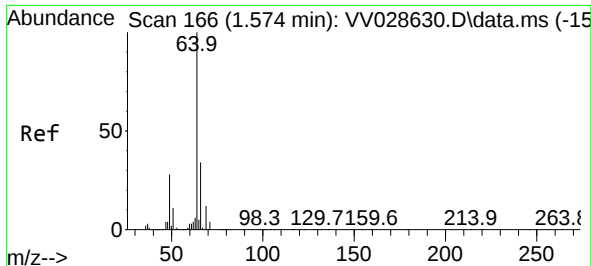
Tgt Ion: 62 Resp: 206020
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.0 41.0



#6
 Bromomethane
 Concen: 10.144 ug/L
 RT: 1.510 min Scan# 146
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

Tgt Ion: 94 Resp: 94227
 Ion Ratio Lower Upper
 94 100
 96 92.1 64.3 119.3

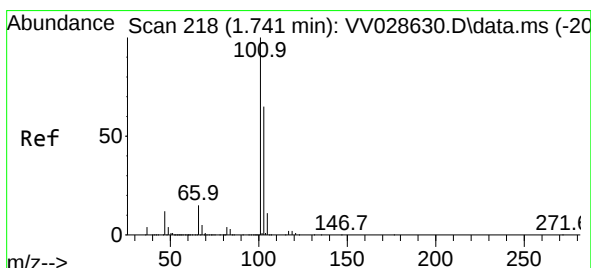
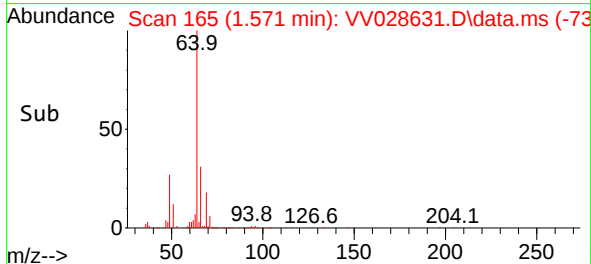
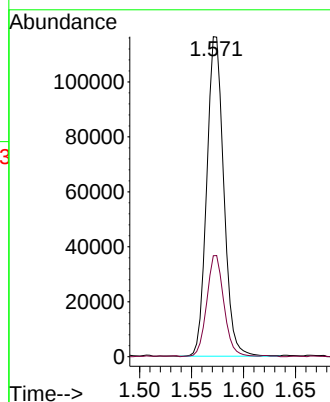
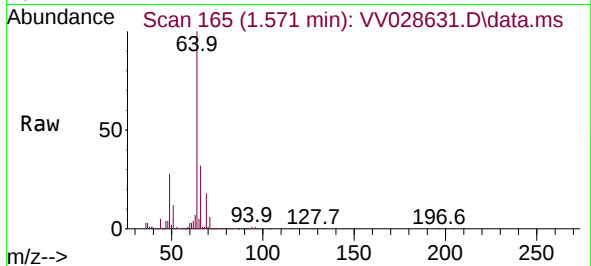




#8
Chloroethane
Concen: 9.862 ug/L
RT: 1.571 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV028631.D
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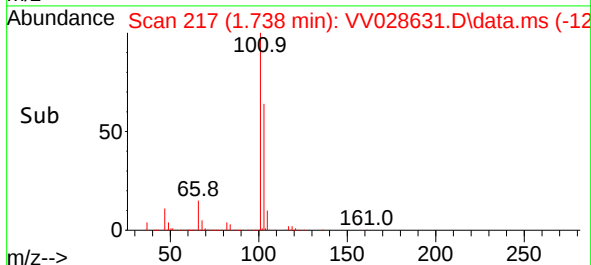
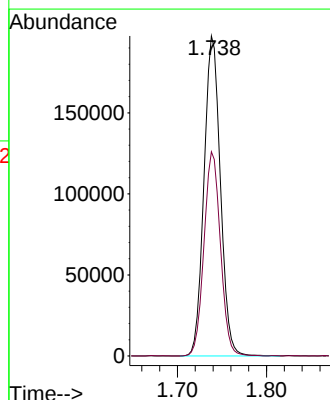
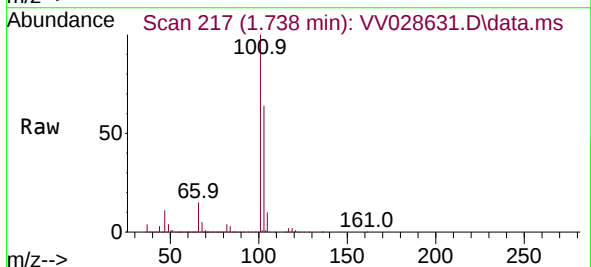
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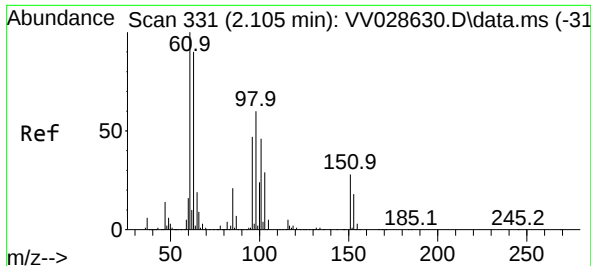
Tgt Ion: 64 Resp: 131742
Ion Ratio Lower Upper
64 100
66 31.5 23.9 44.5



#9
Trichlorofluoromethane
Concen: 10.103 ug/L
RT: 1.738 min Scan# 217
Delta R.T. -0.003 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion: 101 Resp: 252087
Ion Ratio Lower Upper
101 100
103 63.9 51.0 76.6

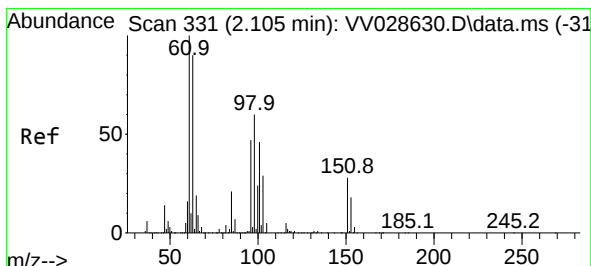
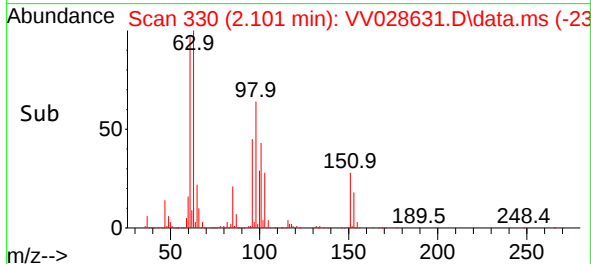
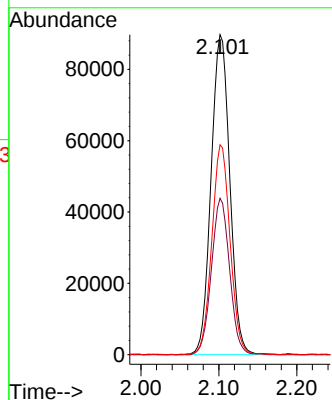
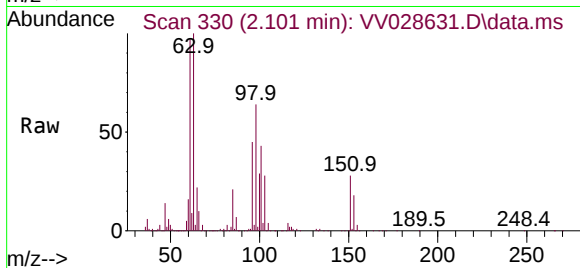




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.086 ug/L
 RT: 2.101 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

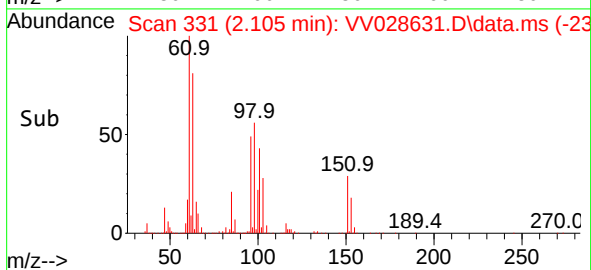
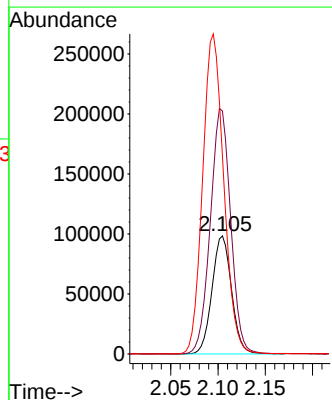
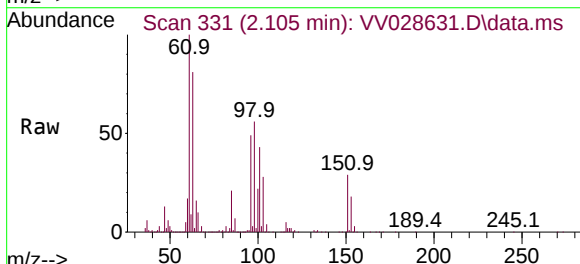
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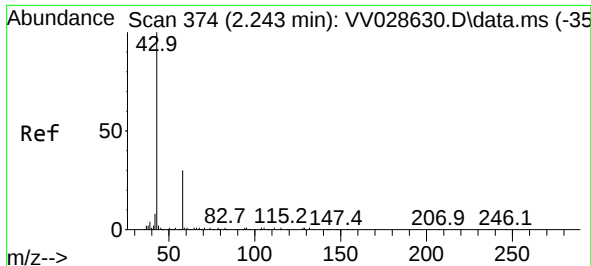
Tgt Ion:101 Resp: 149997
 Ion Ratio Lower Upper
 101 100
 85 47.4 37.0 55.6
 151 64.1 50.2 75.2



#12
 1,1-Dichloroethene
 Concen: 10.270 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. 0.000 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

Tgt Ion: 96 Resp: 141264
 Ion Ratio Lower Upper
 96 100
 61 205.9 148.1 275.1
 63 167.6 133.3 247.7





#13

Acetone

Concen: 84.423 ug/L

RT: 2.236 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV028631.D

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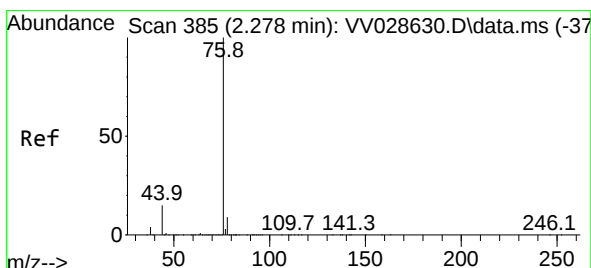
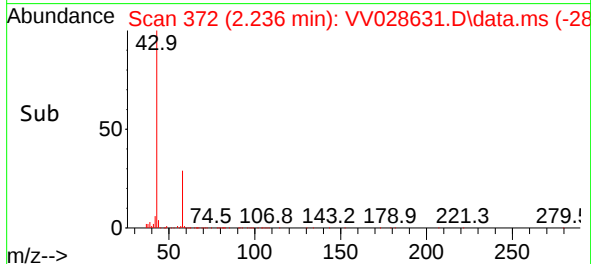
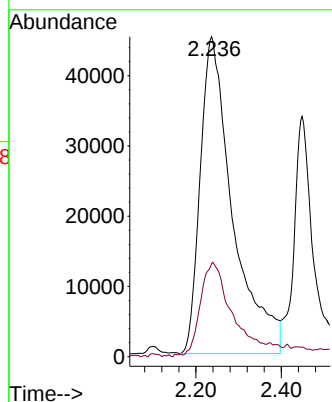
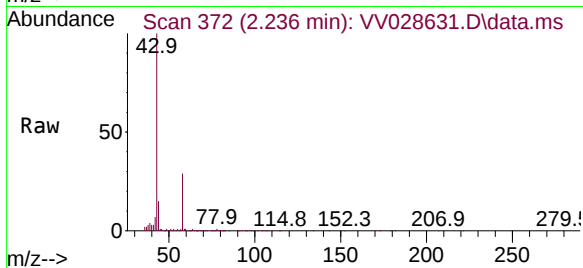
VSTD010267

Tgt Ion: 43 Resp: 238129

Ion Ratio Lower Upper

43 100

58 27.8 0.0 50.2



#14

Carbon disulfide

Concen: 9.104 ug/L

RT: 2.278 min Scan# 385

Delta R.T. 0.000 min

Lab File: VV028631.D

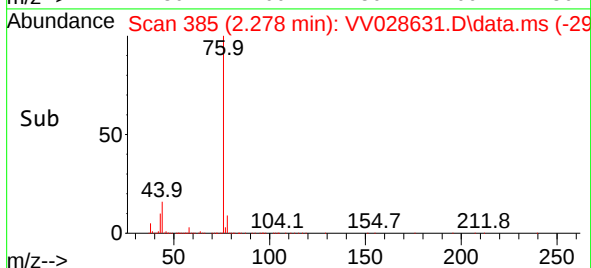
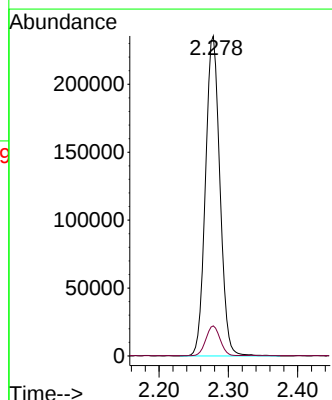
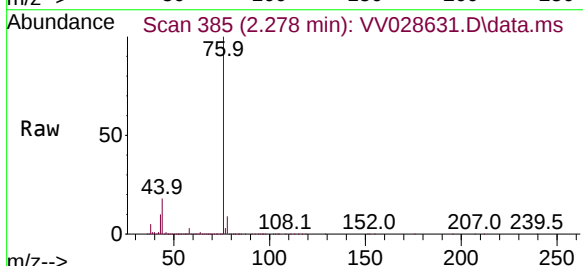
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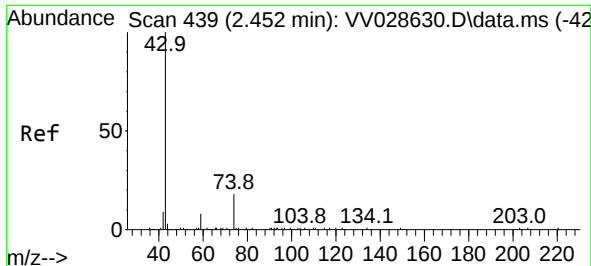
Tgt Ion: 76 Resp: 340256

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7

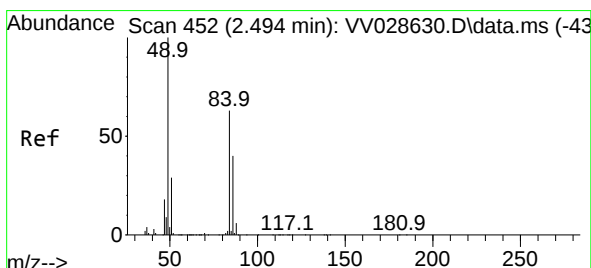
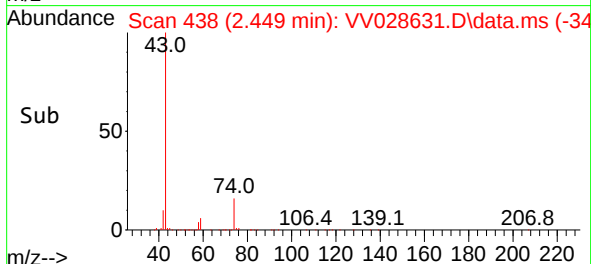
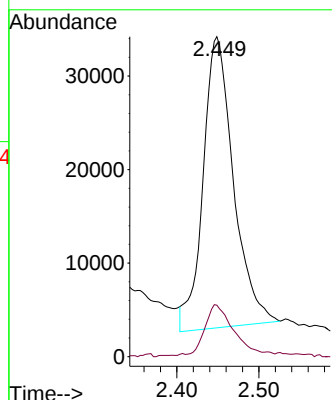
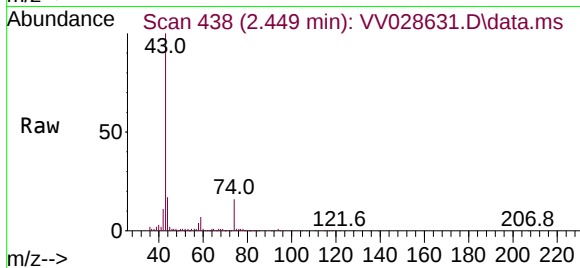




#15
Methyl Acetate
Concen: 12.162 ug/L
RT: 2.449 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

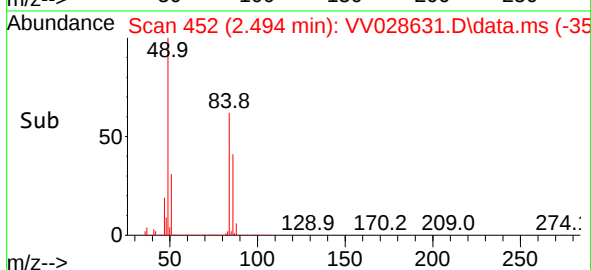
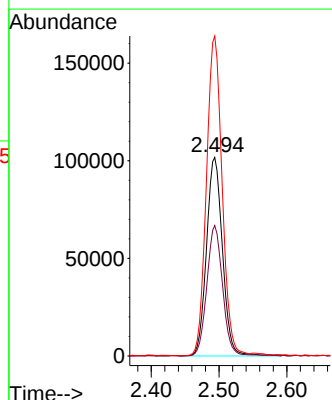
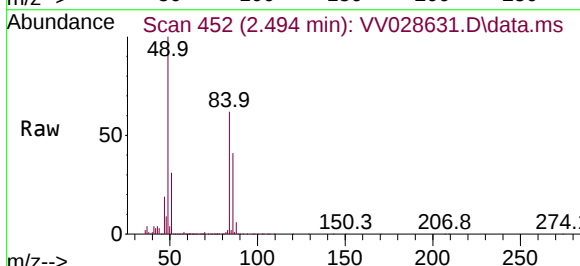
Instrument :
MSVOA_V
ClientSampleId :
VSTD010267

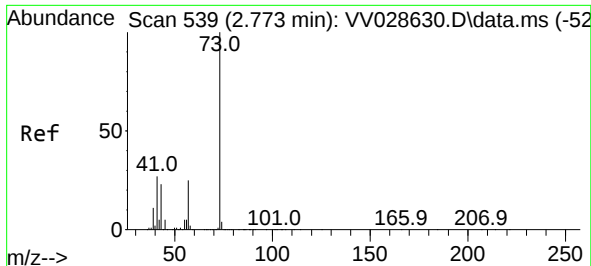
Tgt Ion: 43 Resp: 80220
Ion Ratio Lower Upper
43 100
74 16.1 14.9 22.3



#16
Methylene chloride
Concen: 8.668 ug/L
RT: 2.494 min Scan# 452
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion: 84 Resp: 166800
Ion Ratio Lower Upper
84 100
86 65.6 44.4 82.4
49 161.1 110.8 205.8

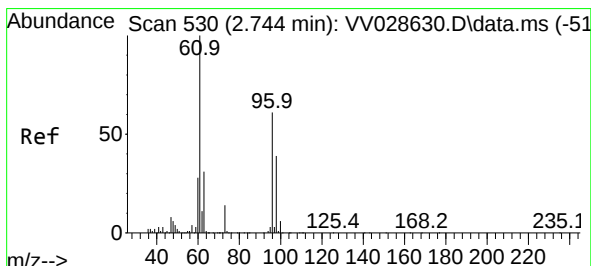
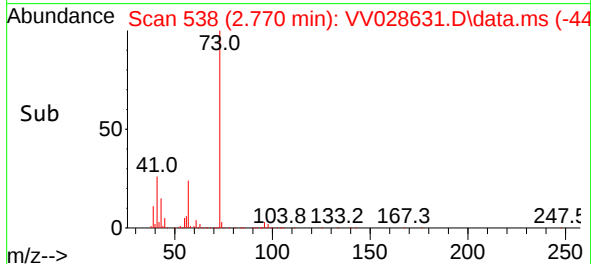
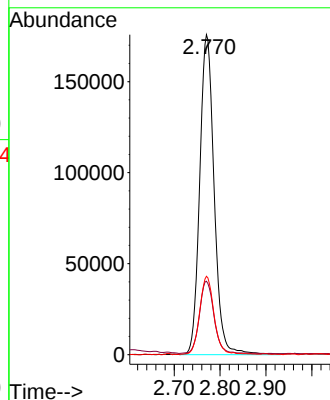
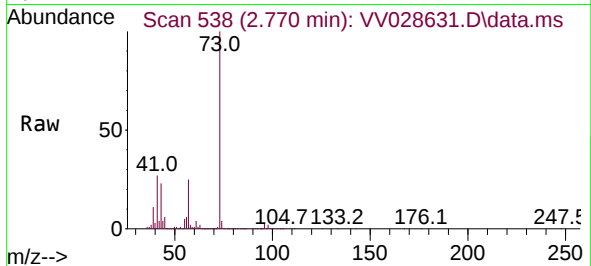




#17
Methyl tert-butyl Ether
Concen: 10.935 ug/L
RT: 2.770 min Scan# 51
Delta R.T. -0.003 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

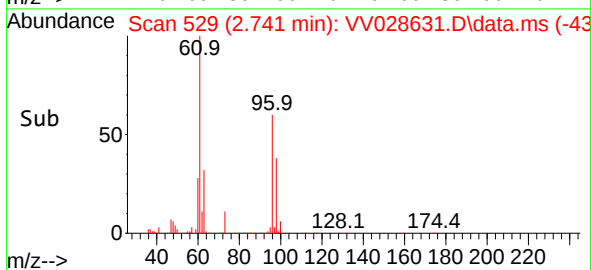
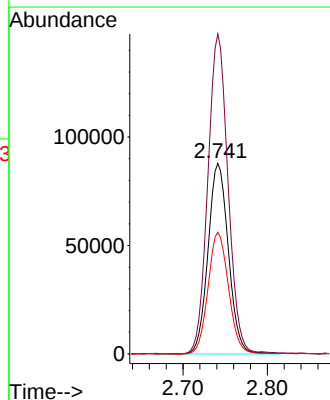
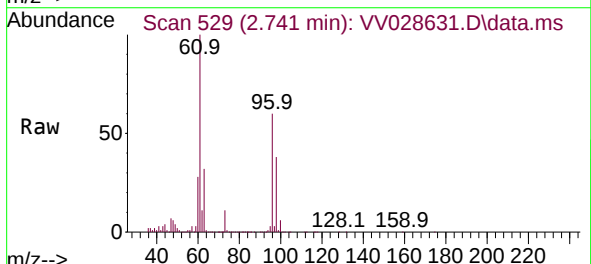
Instrument :
MSVOA_V
ClientSampleId :
VSTD010267

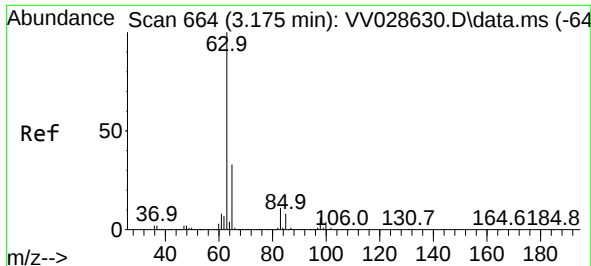
Tgt Ion: 73 Resp: 385205
Ion Ratio Lower Upper
73 100
43 22.4 18.0 27.0
57 24.2 20.0 30.0



#18
trans-1,2-Dichloroethene
Concen: 10.334 ug/L
RT: 2.741 min Scan# 529
Delta R.T. -0.003 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion: 96 Resp: 148006
Ion Ratio Lower Upper
96 100
61 167.9 114.3 212.3
98 63.9 45.0 83.6





#19

1,1-Dichloroethane

Concen: 10.829 ug/L

RT: 3.172 min Scan# 6

Delta R.T. -0.003 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD010267

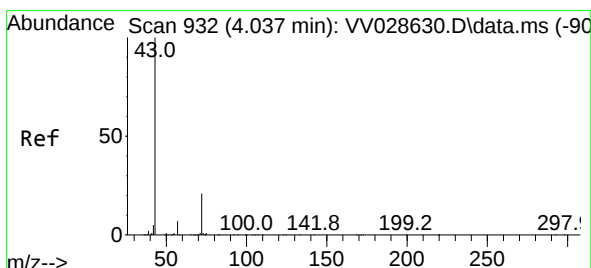
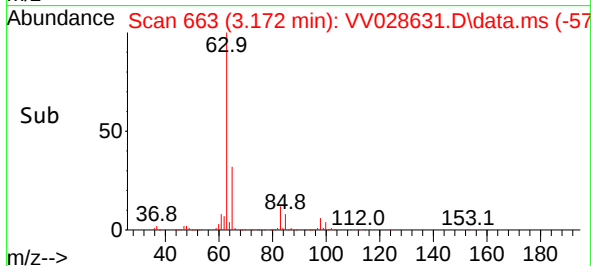
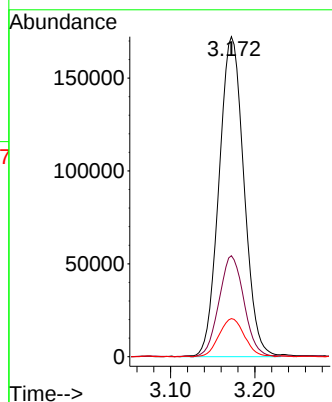
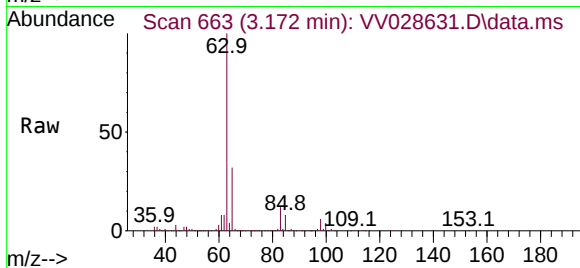
Tgt Ion: 63 Resp: 353404

Ion Ratio Lower Upper

63 100

65 31.5 23.1 42.9

83 11.9 7.9 14.7



#21

2-Butanone

Concen: 108.067 ug/L

RT: 4.031 min Scan# 930

Delta R.T. -0.006 min

Lab File: VV028631.D

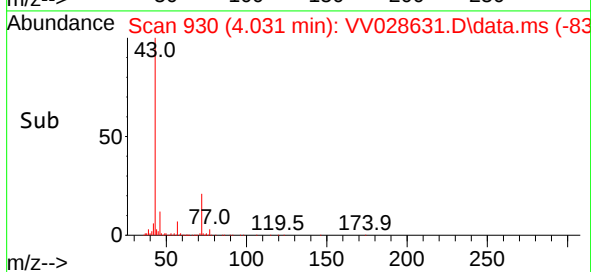
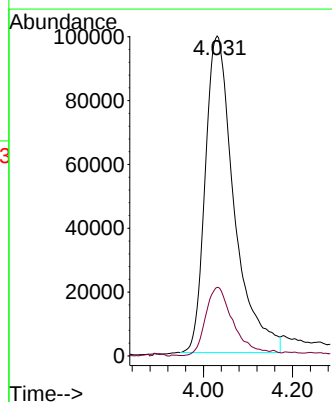
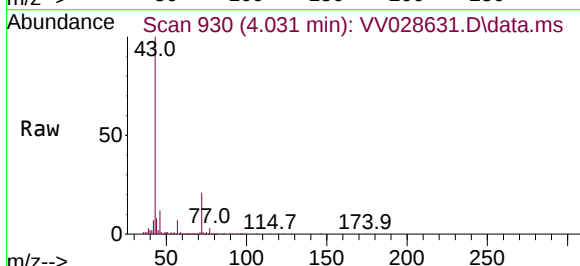
Acq: 20 Oct 2022 12:25

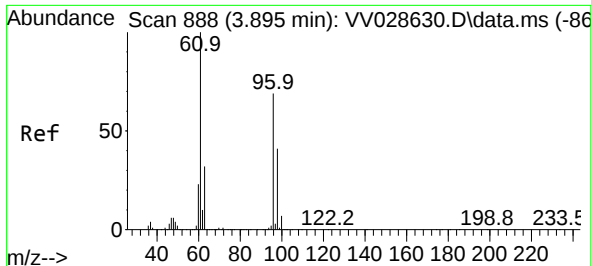
Tgt Ion: 43 Resp: 446324

Ion Ratio Lower Upper

43 100

72 20.8 10.2 30.4

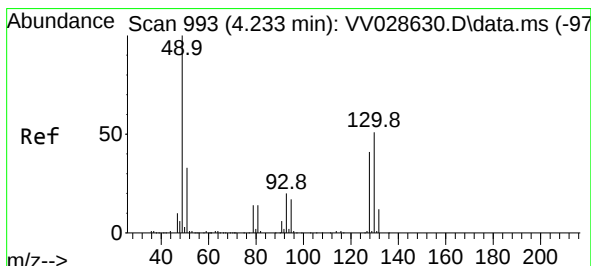
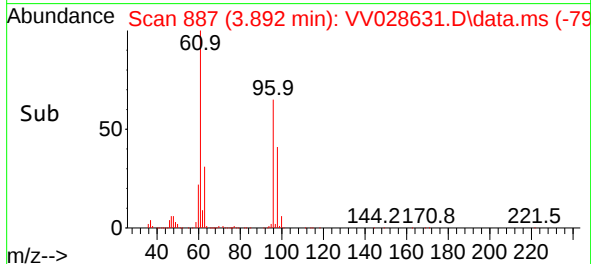
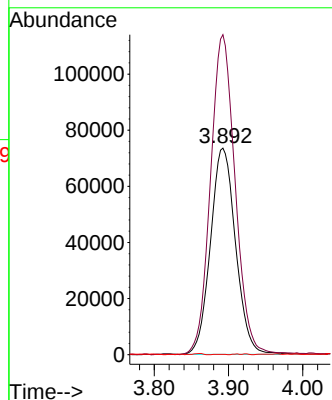
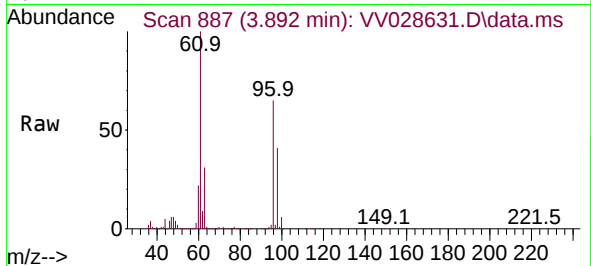




#22
 cis-1,2-Dichloroethene
 Concen: 10.599 ug/L
 RT: 3.892 min Scan# 888
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

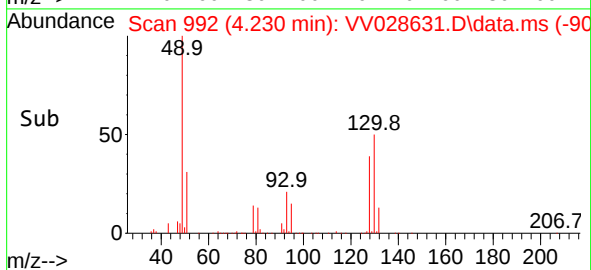
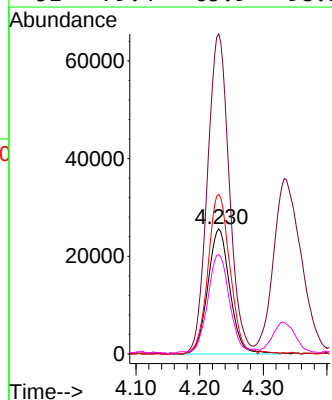
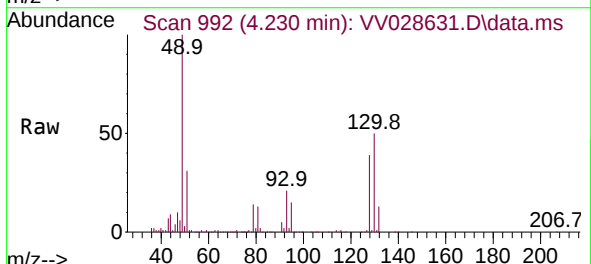
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010267

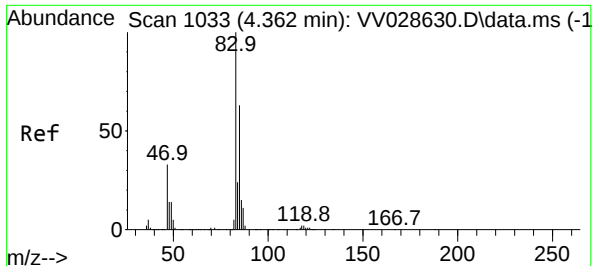
Tgt Ion: 96 Resp: 172442
 Ion Ratio Lower Upper
 96 100
 61 154.9 101.4 188.2
 68 0.1 0.5 0.9#



#23
 Bromochloromethane
 Concen: 9.953 ug/L
 RT: 4.230 min Scan# 992
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

Tgt Ion:128 Resp: 61703
 Ion Ratio Lower Upper
 128 100
 49 255.9 171.1 317.7
 130 127.6 86.4 160.4
 51 79.4 65.9 98.9





#25

Chloroform

Concen: 10.777 ug/L

RT: 4.359 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

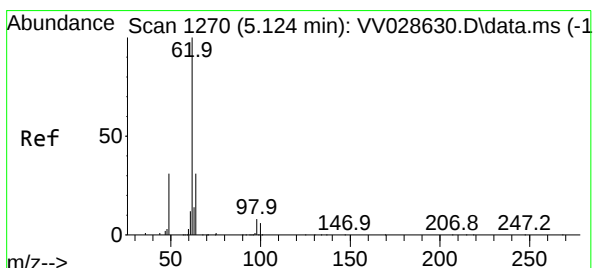
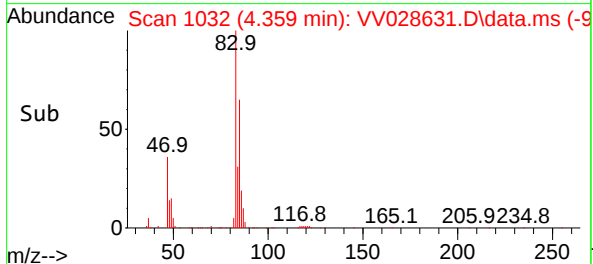
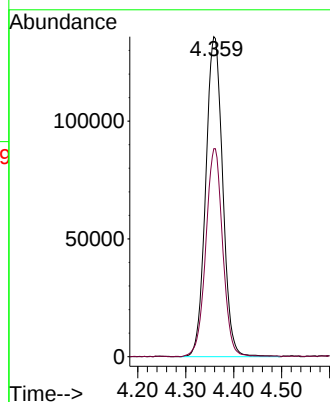
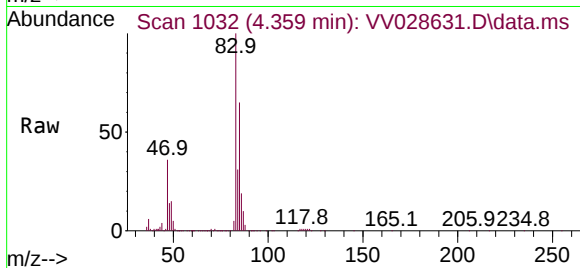
VSTD010267

Tgt Ion: 83 Resp: 333538

Ion Ratio Lower Upper

83 100

85 65.0 44.1 81.9



#27

1,2-Dichloroethane

Concen: 11.249 ug/L

RT: 5.121 min Scan# 1269

Delta R.T. -0.003 min

Lab File: VV028631.D

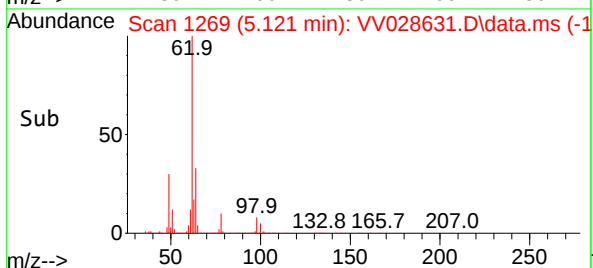
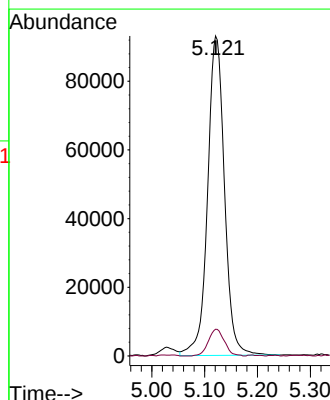
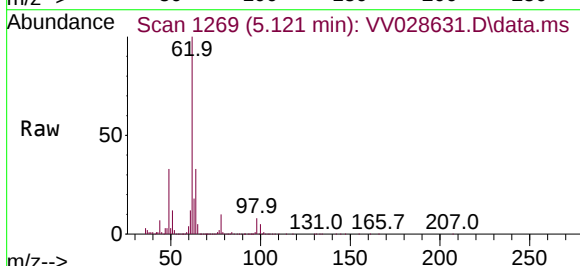
Acq: 20 Oct 2022 12:25

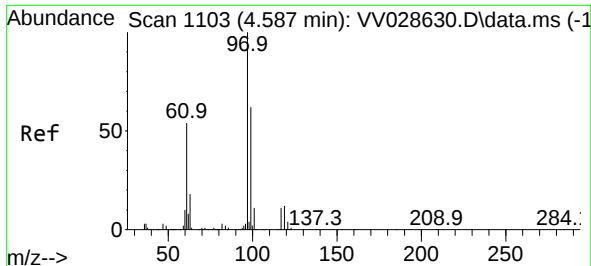
Tgt Ion: 62 Resp: 206568

Ion Ratio Lower Upper

62 100

98 8.3 6.6 9.8





#29

1,1,1-Trichloroethane

Concen: 11.816 ug/L

RT: 4.584 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD010267

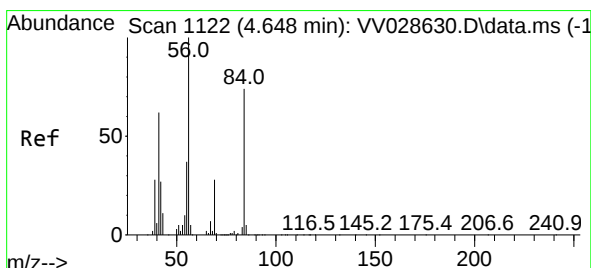
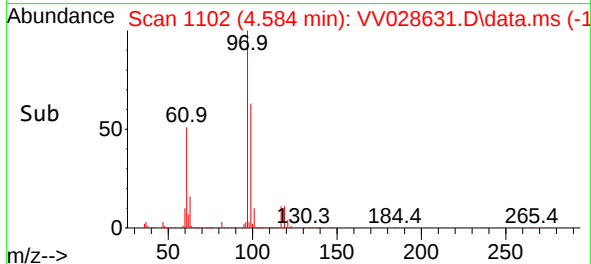
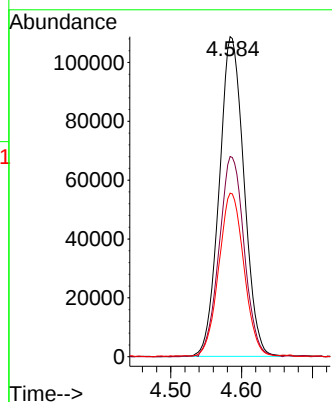
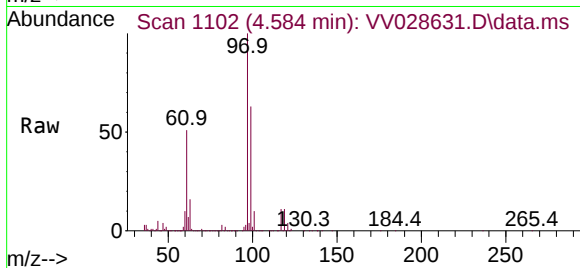
Tgt Ion: 97 Resp: 263345

Ion Ratio Lower Upper

97 100

99 63.6 50.5 75.7

61 51.6 43.1 64.7



#30

Cyclohexane

Concen: 11.919 ug/L

RT: 4.645 min Scan# 1121

Delta R.T. -0.003 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

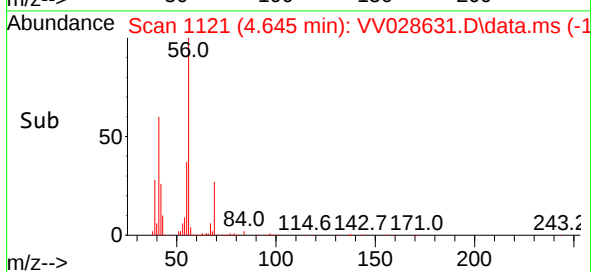
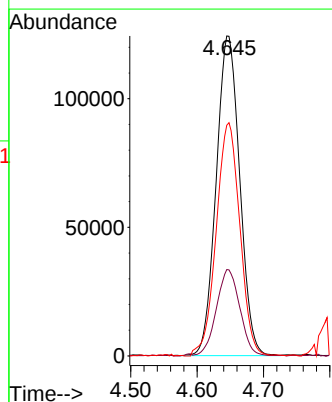
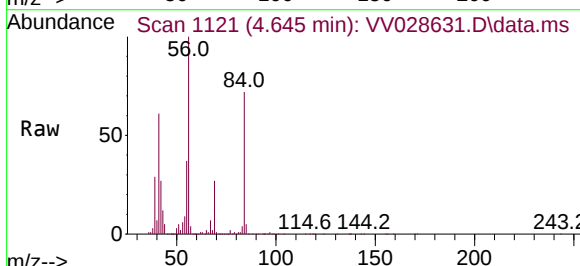
Tgt Ion: 56 Resp: 306157

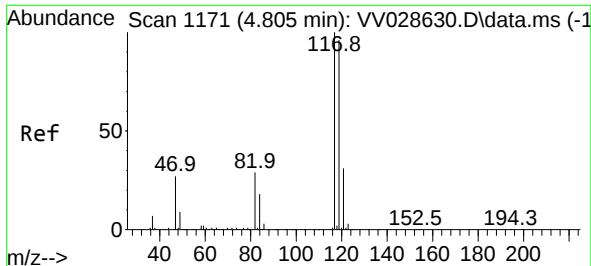
Ion Ratio Lower Upper

56 100

69 26.6 22.6 34.0

84 73.3 60.4 90.6

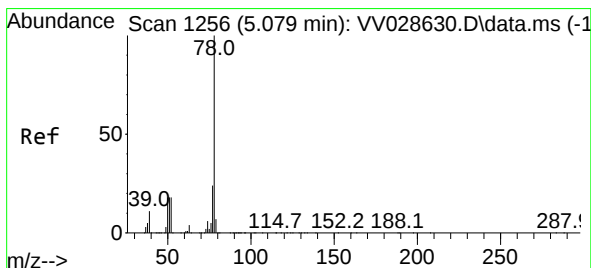
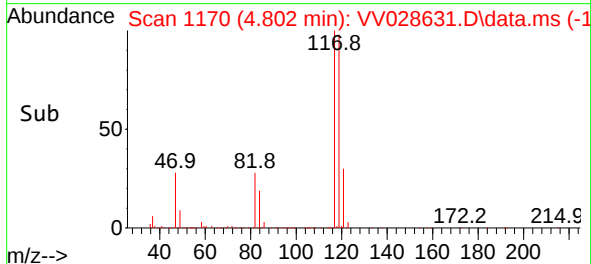
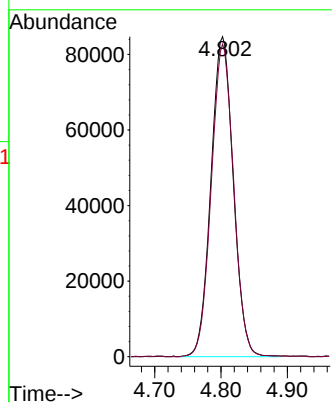
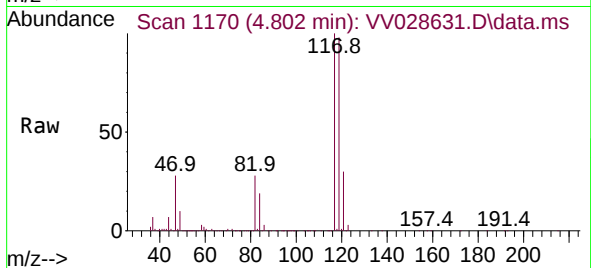




#31
Carbon tetrachloride
Concen: 11.502 ug/L
RT: 4.802 min Scan# 1170
Delta R.T. -0.003 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

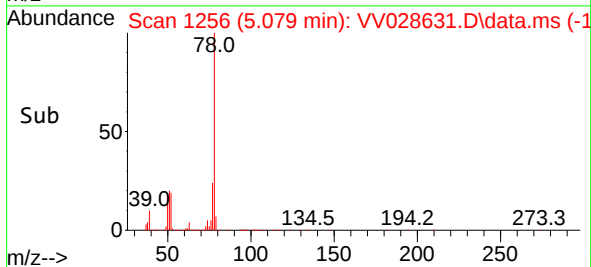
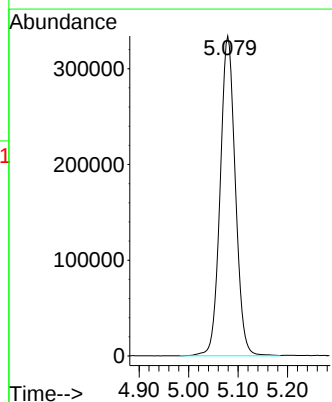
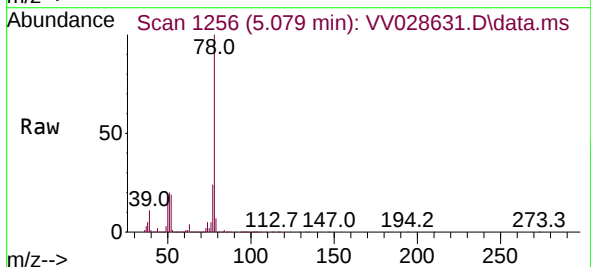
Instrument : MSVOA_V
ClientSampleId : VSTD010267

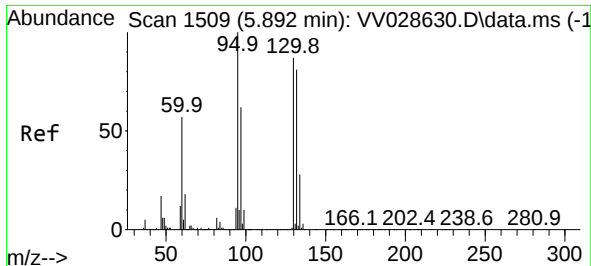
Tgt Ion:117 Resp: 198304
Ion Ratio Lower Upper
117 100
119 97.4 76.1 114.1



#33
Benzene
Concen: 12.248 ug/L
RT: 5.079 min Scan# 1256
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion: 78 Resp: 713153

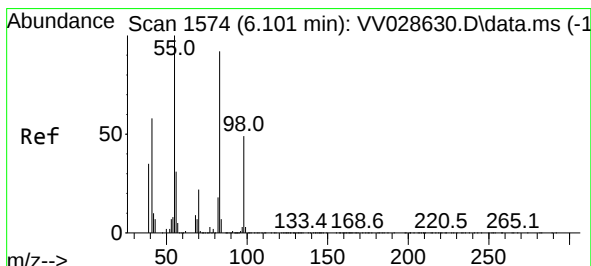
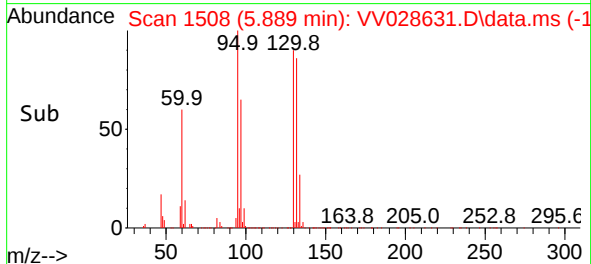
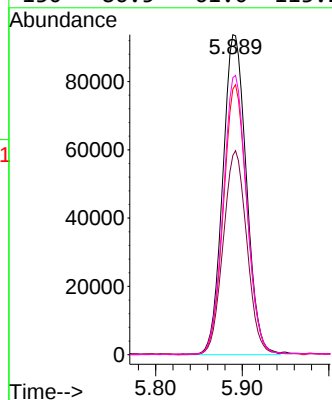
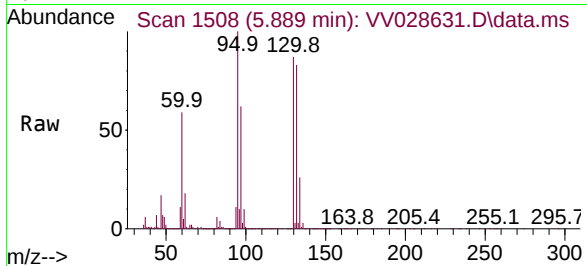




#34
Trichloroethene
Concen: 12.330 ug/L
RT: 5.889 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

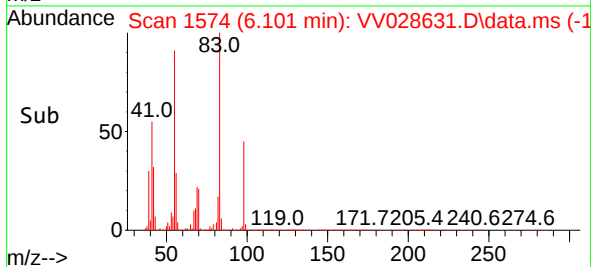
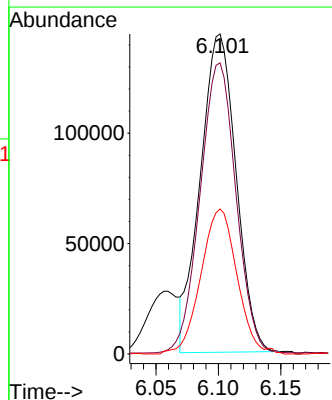
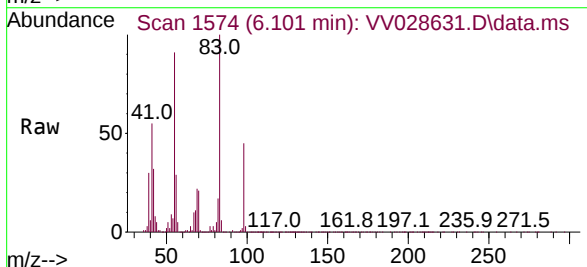
Instrument :
MSVOA_V
ClientSampleId :
VSTD010267

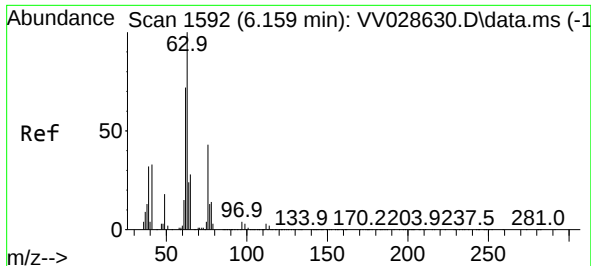
Tgt Ion: 95 Resp: 177750
Ion Ratio Lower Upper
95 100
97 62.3 43.5 80.9
132 83.0 56.5 104.9
130 86.5 61.0 113.2



#35
Methylcyclohexane
Concen: 12.013 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion: 83 Resp: 288061
Ion Ratio Lower Upper
83 100
55 91.5 70.0 105.0
98 45.9 35.6 53.4





#37

1,2-Dichloropropane

Concen: 12.849 ug/L

RT: 6.159 min Scan# 1592

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

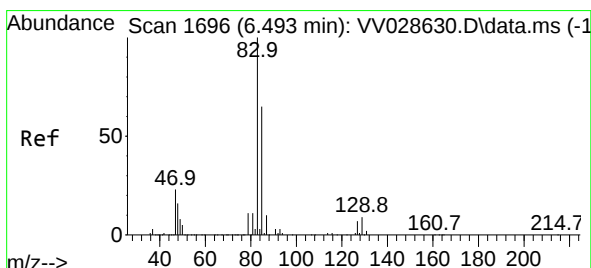
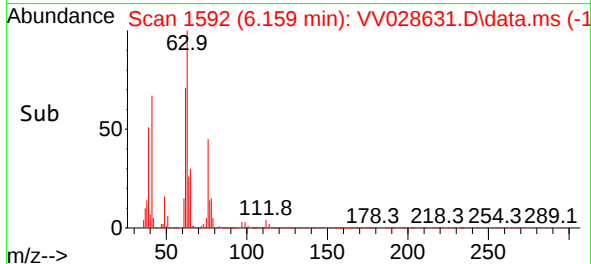
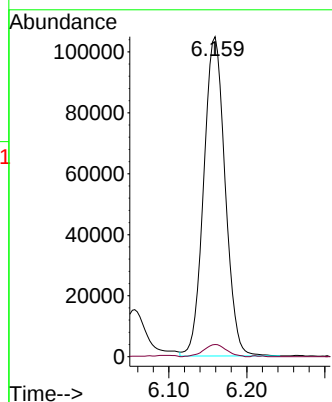
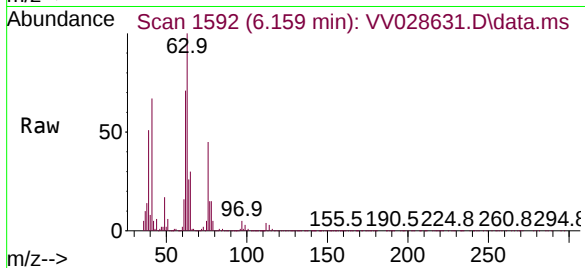
VSTD010267

Tgt Ion: 63 Resp: 199891

Ion Ratio Lower Upper

63 100

112 4.1 3.4 5.2



#38

Bromodichloromethane

Concen: 10.681 ug/L

RT: 6.494 min Scan# 1696

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

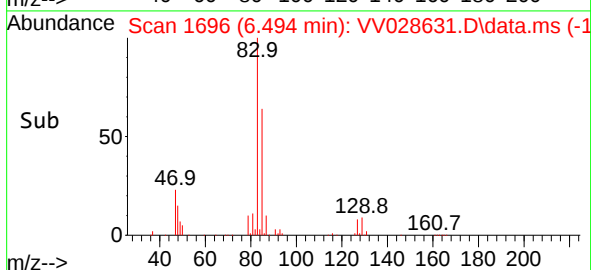
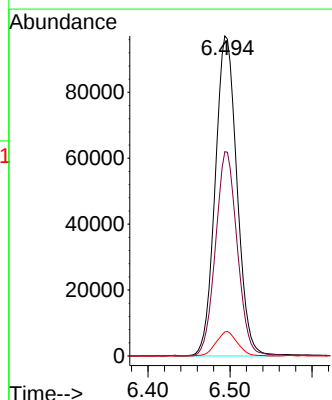
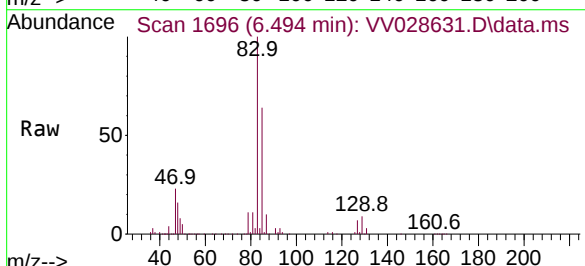
Tgt Ion: 83 Resp: 179035

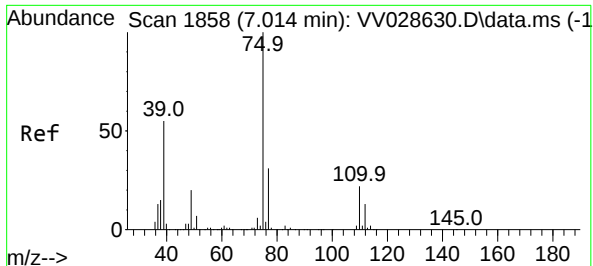
Ion Ratio Lower Upper

83 100

85 63.8 45.1 83.9

127 7.5 5.7 8.5





#39

cis-1,3-Dichloropropene

Concen: 9.219 ug/L

RT: 7.014 min Scan# 1858

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

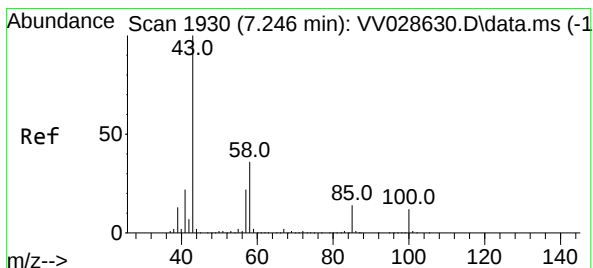
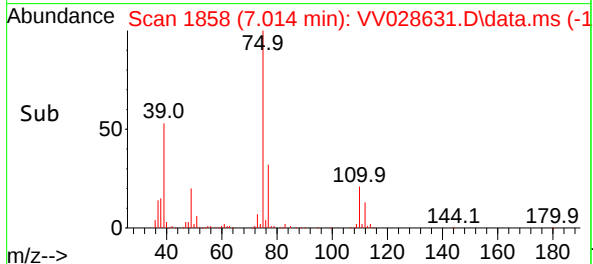
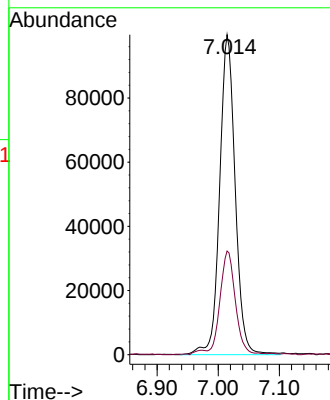
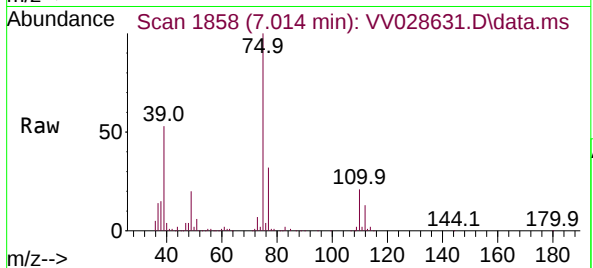
VSTD010267

Tgt Ion: 75 Resp: 176239

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 101.632 ug/L

RT: 7.246 min Scan# 1930

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

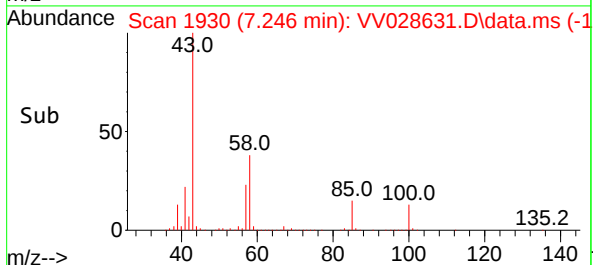
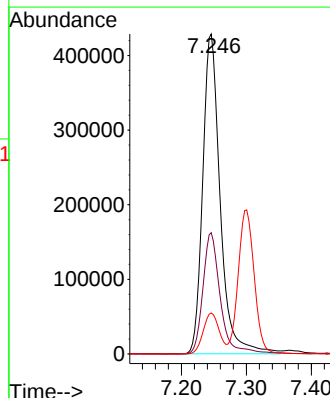
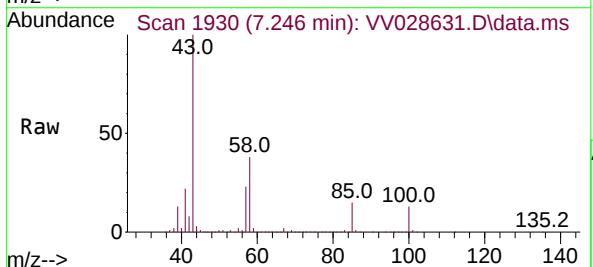
Tgt Ion: 43 Resp: 804758

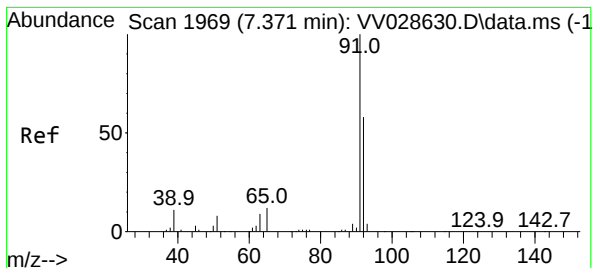
Ion Ratio Lower Upper

43 100

58 38.0 29.6 44.4

100 11.7 9.4 14.0





#42

Toluene

Concen: 10.598 ug/L

RT: 7.371 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

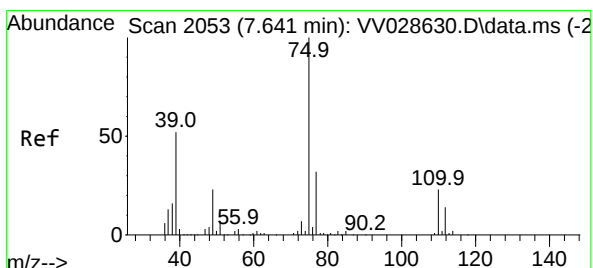
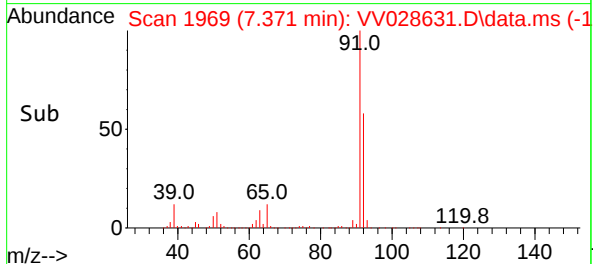
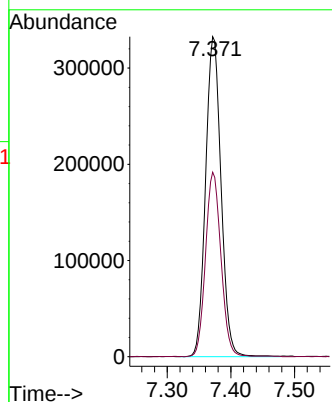
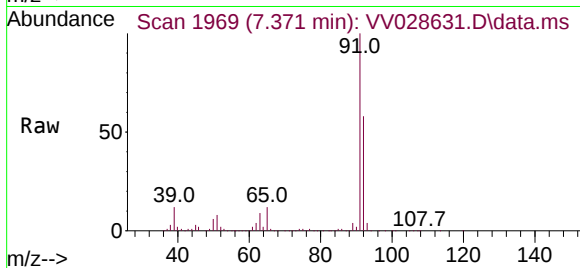
VSTD010267

Tgt Ion: 91 Resp: 560278

Ion Ratio Lower Upper

91 100

92 57.7 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 9.772 ug/L

RT: 7.641 min Scan# 2053

Delta R.T. 0.000 min

Lab File: VV028631.D

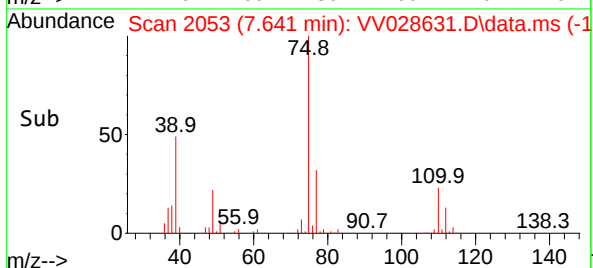
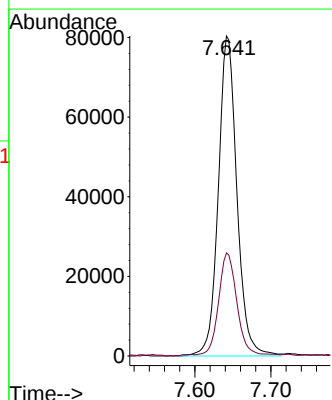
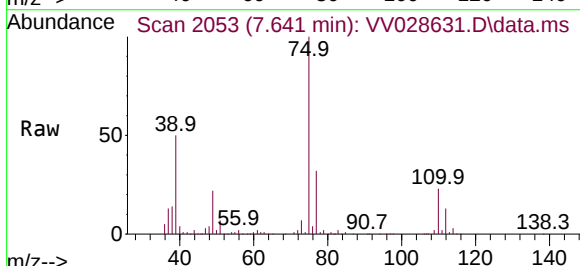
Acq: 20 Oct 2022 12:25

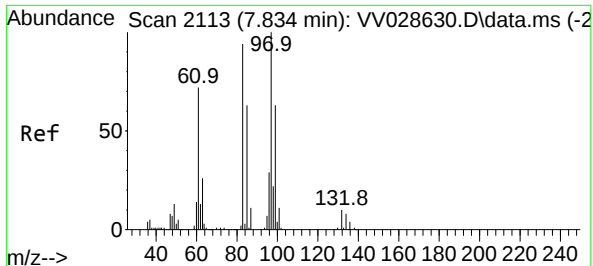
Tgt Ion: 75 Resp: 136324

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 10.958 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD010267

Tgt Ion: 97 Resp: 87048

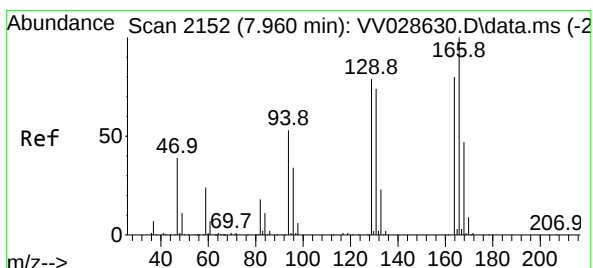
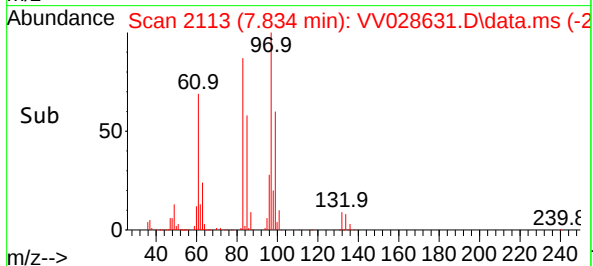
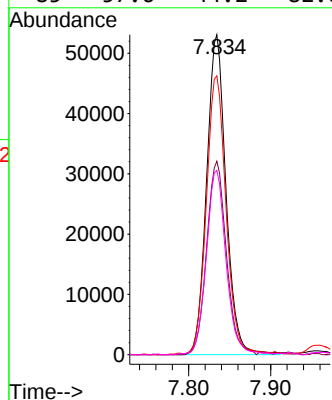
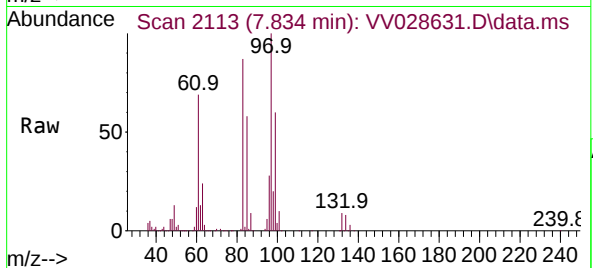
Ion Ratio Lower Upper

97 100

99 60.4 44.0 81.6

83 87.1 66.2 123.0

85 57.6 44.2 82.0



#47

Tetrachloroethene

Concen: 10.187 ug/L

RT: 7.960 min Scan# 2152

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Tgt Ion:164 Resp: 88454

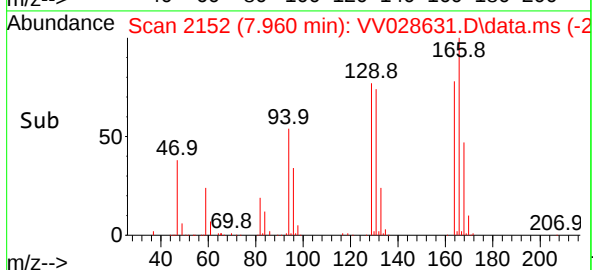
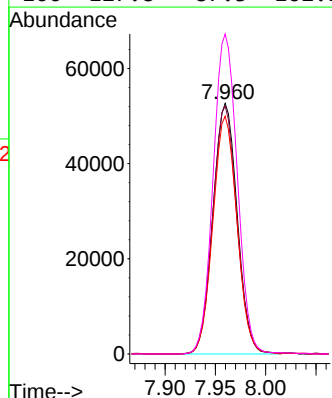
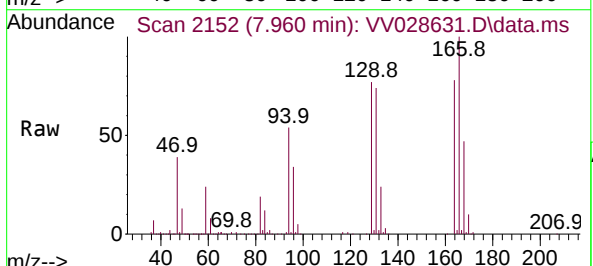
Ion Ratio Lower Upper

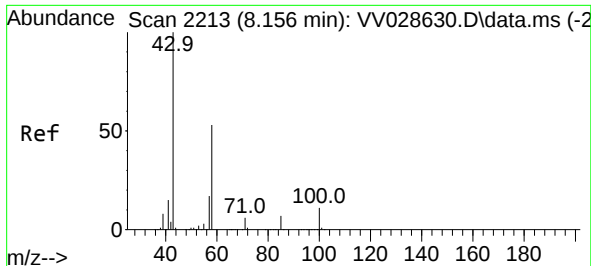
164 100

129 98.9 69.2 128.6

131 94.9 64.2 119.2

166 127.8 87.3 162.1





#48

2-Hexanone

Concen: 107.504 ug/L

RT: 8.153 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD010267

Tgt Ion: 43 Resp: 575031

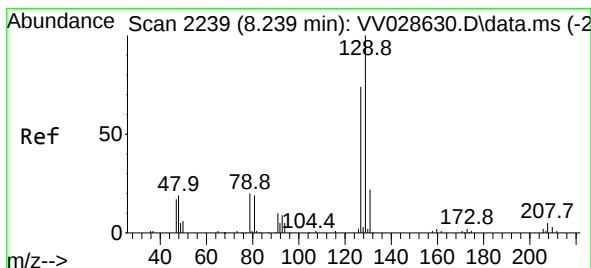
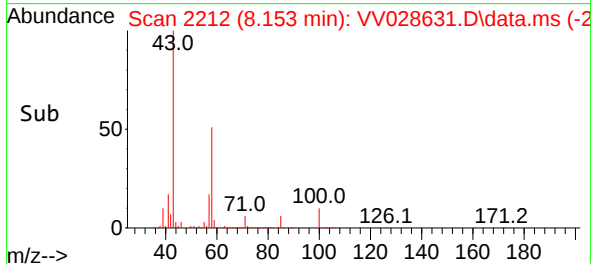
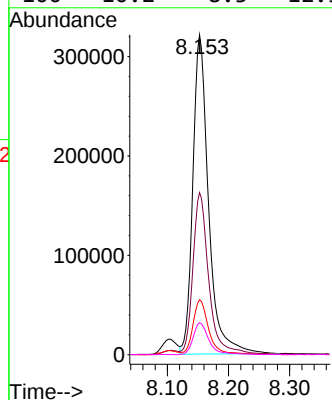
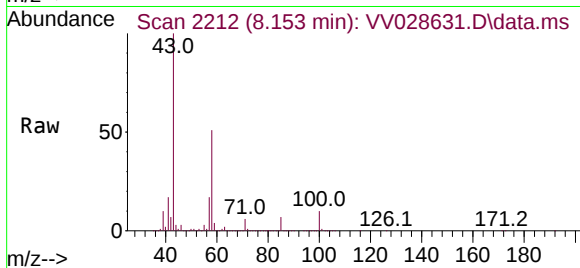
Ion Ratio Lower Upper

43 100

58 50.3 40.6 60.8

57 17.0 13.8 20.8

100 10.2 8.3 12.5



#49

Dibromochloromethane

Concen: 10.252 ug/L

RT: 8.236 min Scan# 2238

Delta R.T. -0.003 min

Lab File: VV028631.D

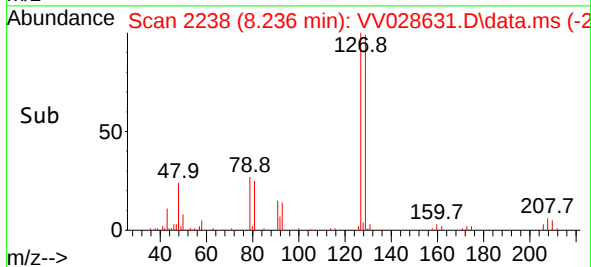
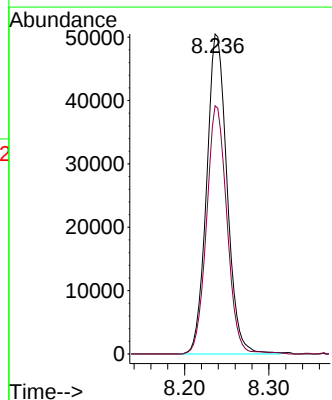
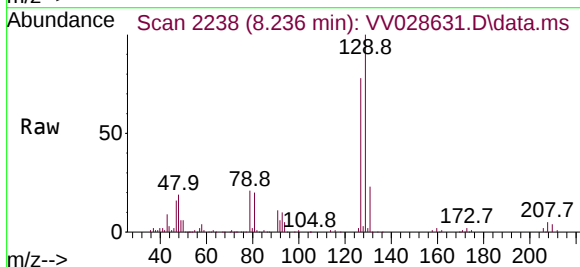
Acq: 20 Oct 2022 12:25

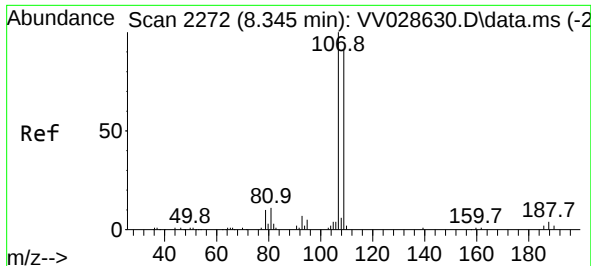
Tgt Ion: 129 Resp: 85139

Ion Ratio Lower Upper

129 100

127 77.6 51.6 95.8





#50

1,2-Dibromoethane

Concen: 10.789 ug/L

RT: 8.346 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD010267

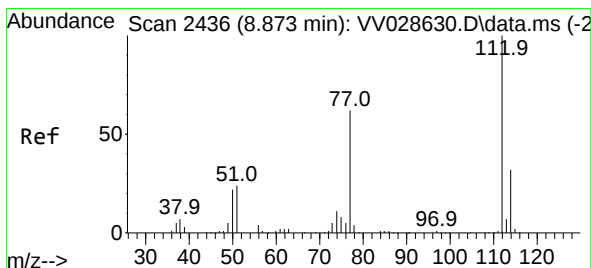
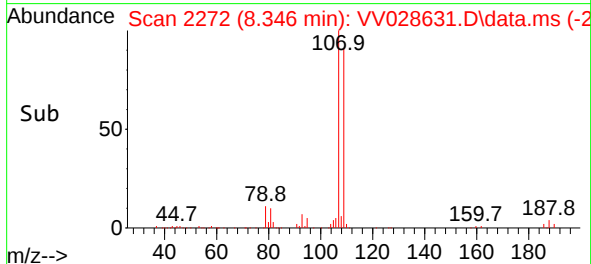
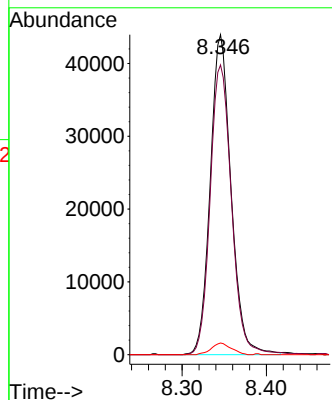
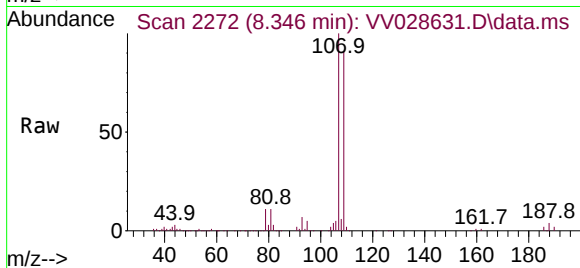
Tgt Ion:107 Resp: 75449

Ion Ratio Lower Upper

107 100

109 90.6 64.0 118.8

188 3.7 2.9 4.3



#51

Chlorobenzene

Concen: 10.640 ug/L

RT: 8.870 min Scan# 2435

Delta R.T. -0.003 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

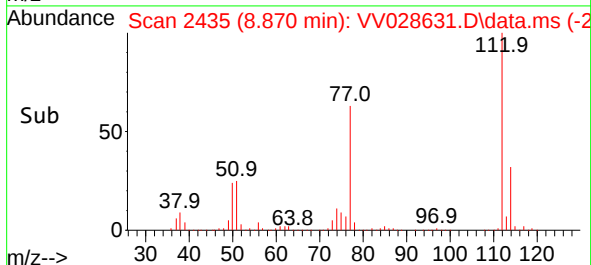
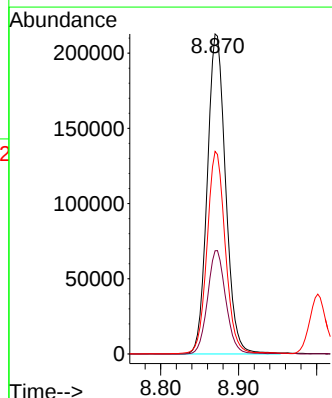
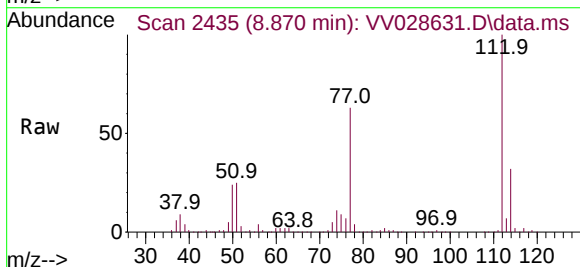
Tgt Ion:112 Resp: 347663

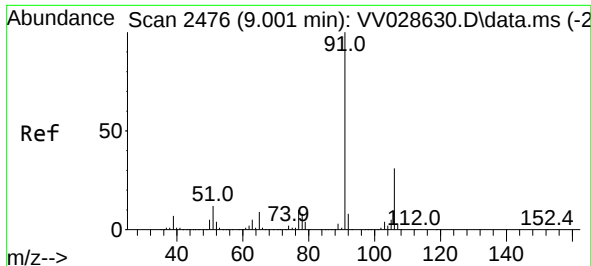
Ion Ratio Lower Upper

112 100

114 32.3 22.0 41.0

77 63.3 50.0 75.0





#52

Ethylbenzene

Concen: 10.788 ug/L

RT: 9.001 min Scan# 2476

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

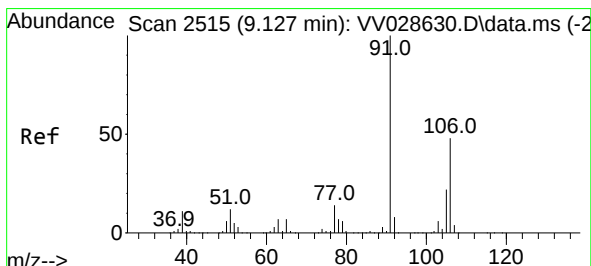
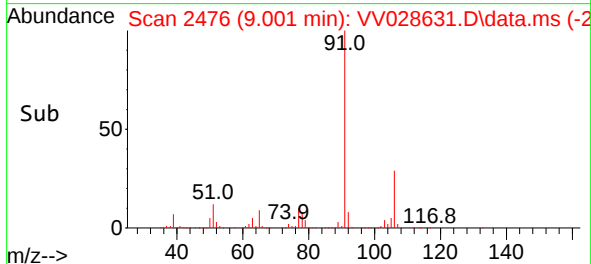
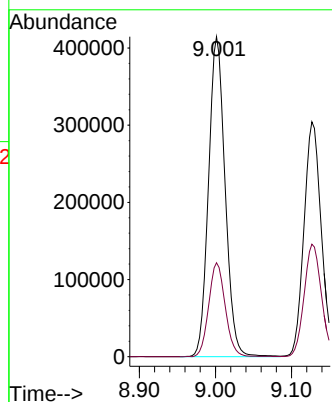
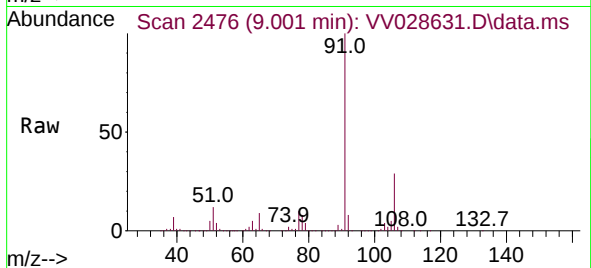
VSTD010267

Tgt Ion: 91 Resp: 627506

Ion Ratio Lower Upper

91 100

106 29.3 21.3 39.6



#53

m,p-Xylene

Concen: 10.658 ug/L

RT: 9.127 min Scan# 2515

Delta R.T. 0.000 min

Lab File: VV028631.D

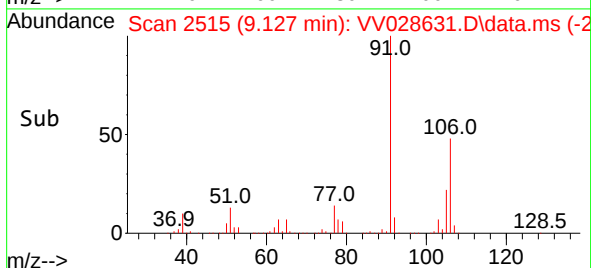
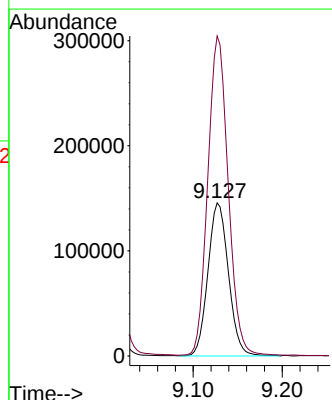
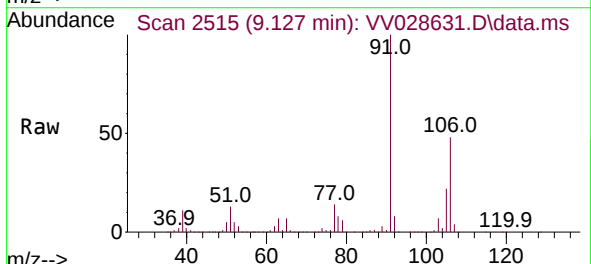
Acq: 20 Oct 2022 12:25

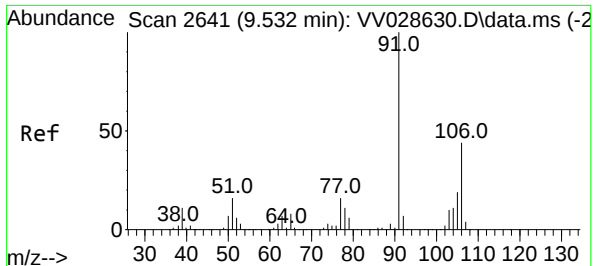
Tgt Ion: 106 Resp: 232834

Ion Ratio Lower Upper

106 100

91 208.9 145.5 270.1

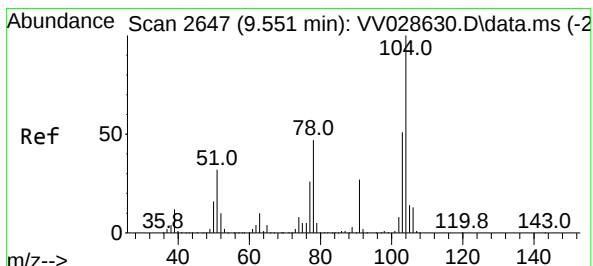
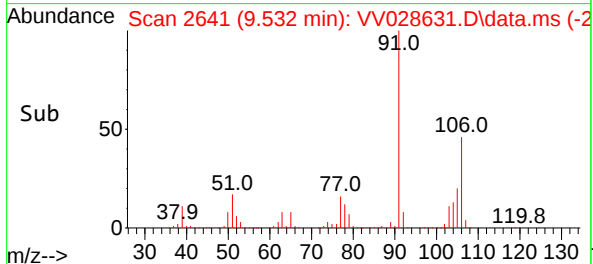
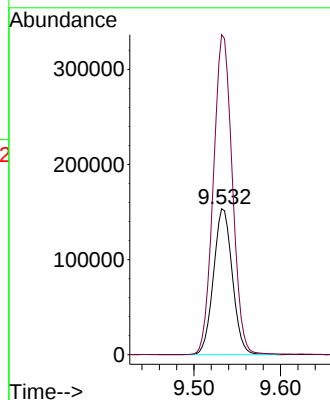
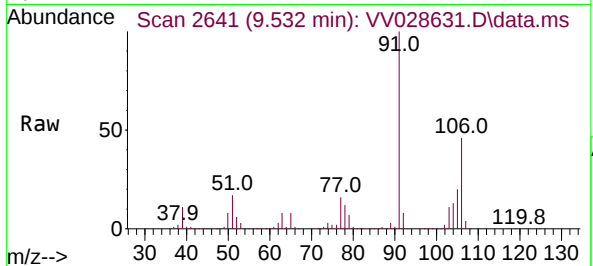




#54
o-Xylene
Concen: 11.052 ug/L
RT: 9.532 min Scan# 2641
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

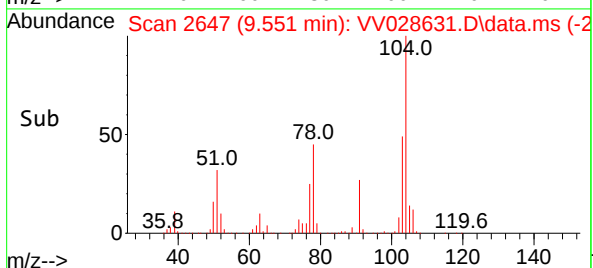
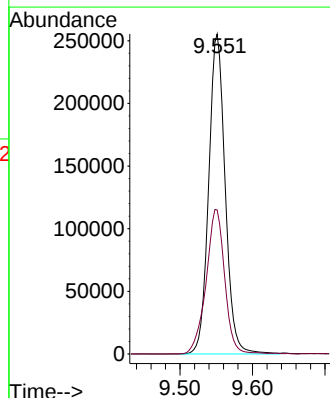
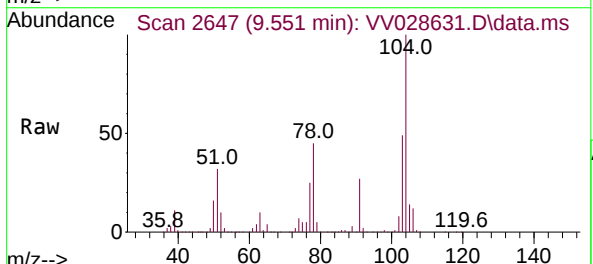
Instrument :
MSVOA_V
ClientSampleId :
VSTD010267

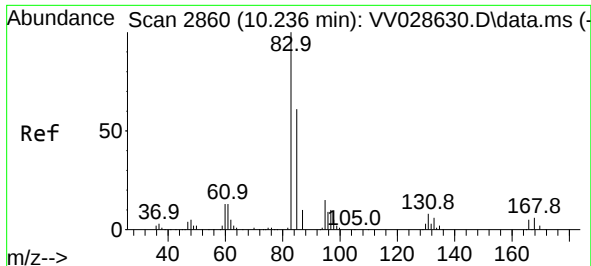
Tgt Ion:106 Resp: 232281
Ion Ratio Lower Upper
106 100
91 219.2 159.0 295.4



#55
Styrene
Concen: 11.228 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion:104 Resp: 403068
Ion Ratio Lower Upper
104 100
78 45.0 32.8 61.0

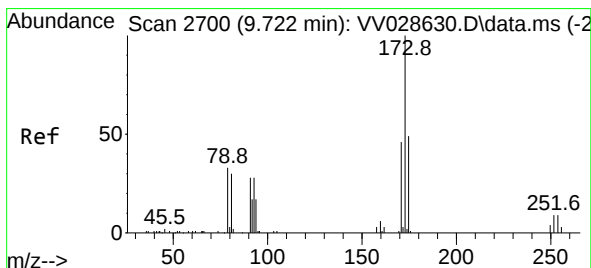
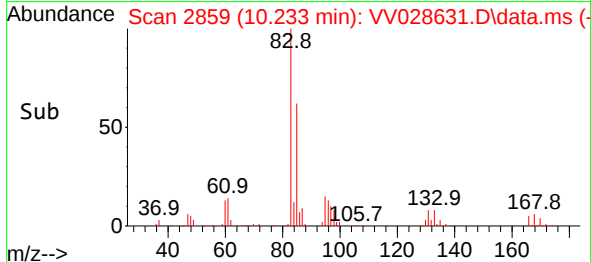
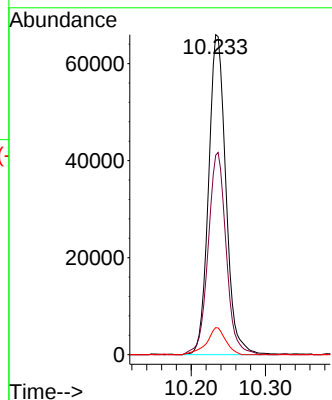
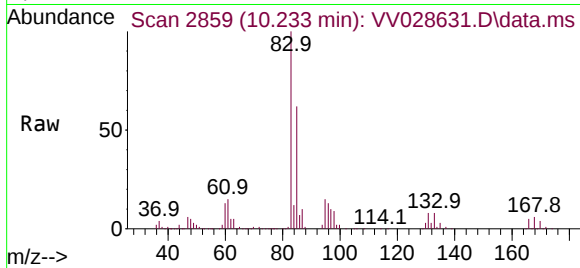




#57
 1,1,2,2-Tetrachloroethane
 Concen: 10.803 ug/L
 RT: 10.233 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

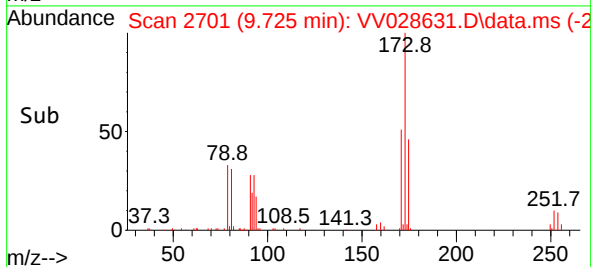
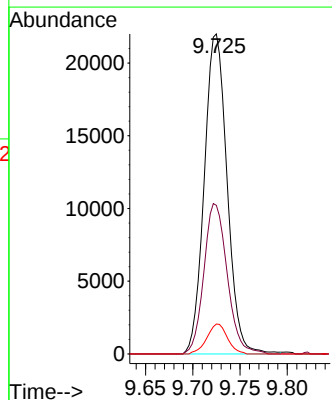
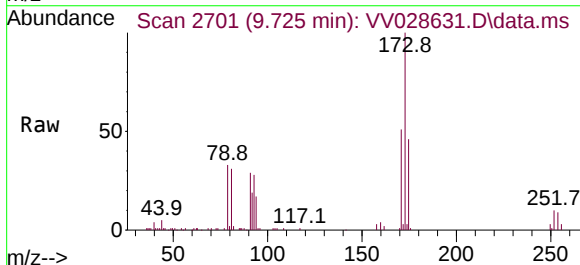
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010267

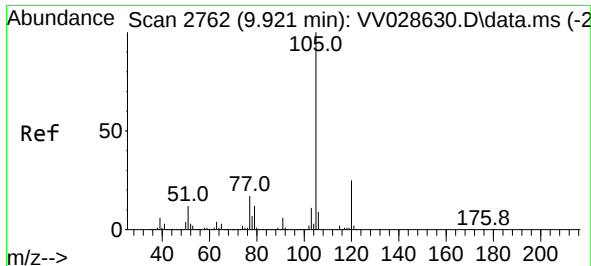
Tgt Ion: 83 Resp: 106661
 Ion Ratio Lower Upper
 83 100
 85 62.4 43.0 80.0
 131 8.5 6.5 9.7



#59
 Bromoform
 Concen: 9.368 ug/L
 RT: 9.725 min Scan# 2701
 Delta R.T. 0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

Tgt Ion: 173 Resp: 36993
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.8 59.8
 254 8.4 7.3 10.9

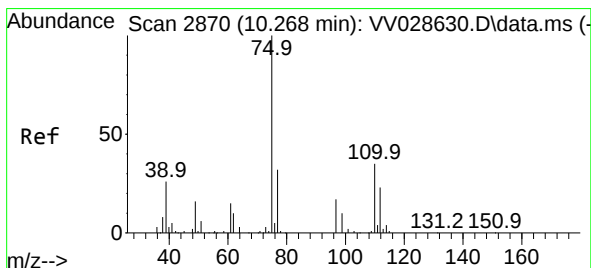
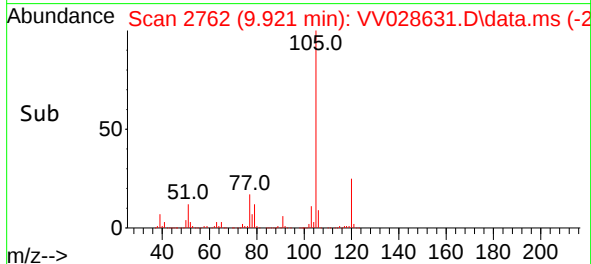
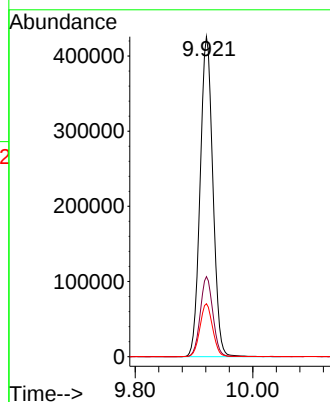
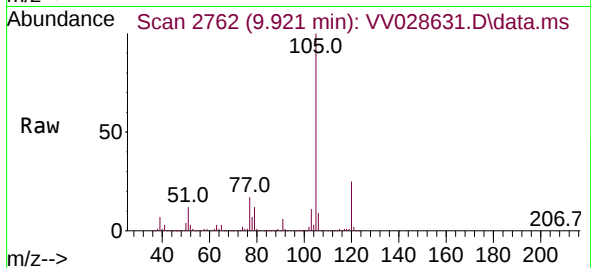




#60
Isopropylbenzene
Concen: 10.862 ug/L
RT: 9.921 min Scan# 2762
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

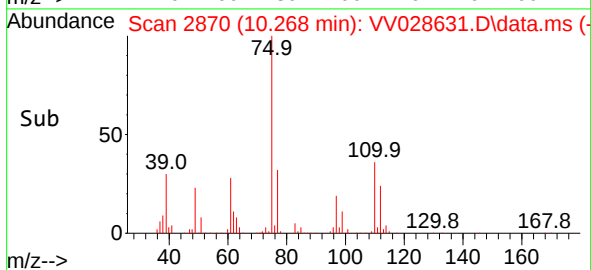
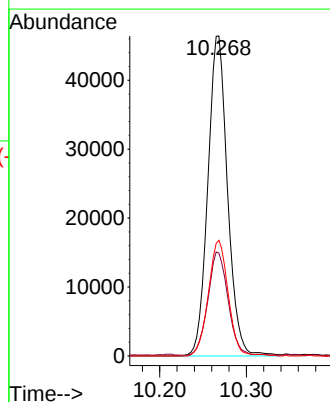
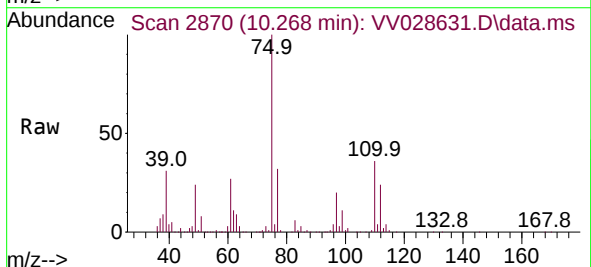
Instrument :
MSVOA_V
ClientSampleId :
VSTD010267

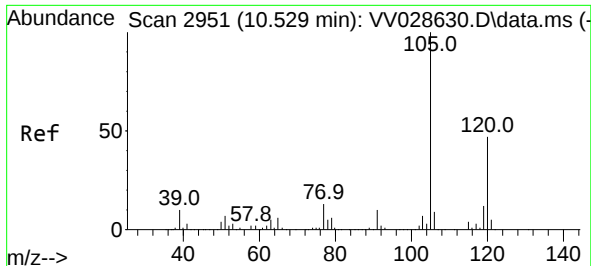
Tgt Ion:105 Resp: 638606
Ion Ratio Lower Upper
105 100
120 24.8 20.1 30.1
77 16.6 13.4 20.0



#61
1,2,3-Trichloropropane
Concen: 10.089 ug/L
RT: 10.268 min Scan# 2870
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion: 75 Resp: 73422
Ion Ratio Lower Upper
75 100
77 32.8 25.2 37.8
110 36.5 27.9 41.9





#62

1,3,5-Trimethylbenzene

Concen: 10.151 ug/L

RT: 10.529 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

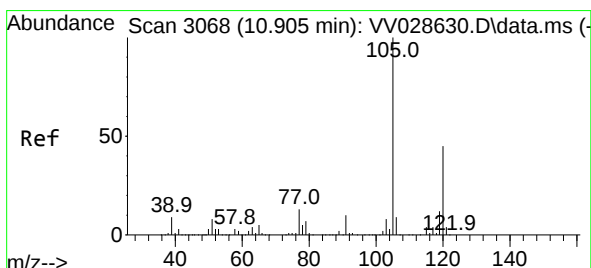
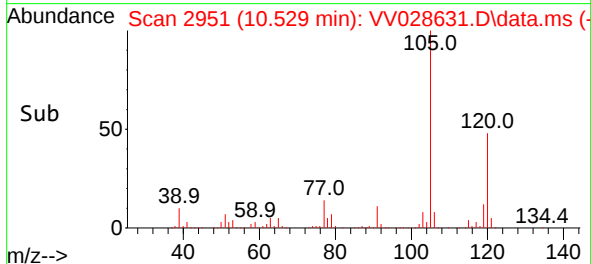
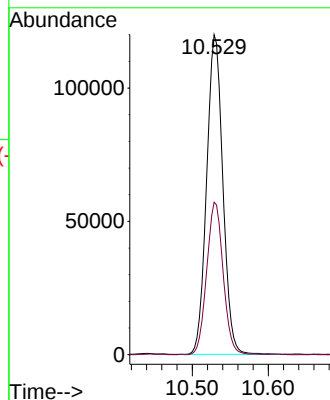
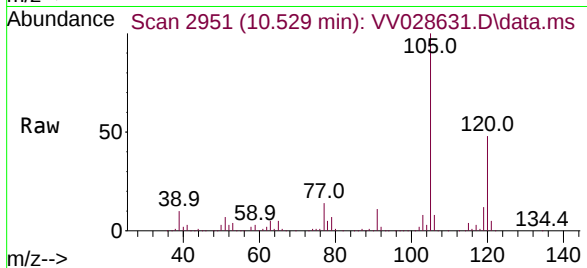
VSTD010267

Tgt Ion:105 Resp: 177568

Ion Ratio Lower Upper

105 100

120 48.5 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 10.681 ug/L

RT: 10.905 min Scan# 3068

Delta R.T. 0.000 min

Lab File: VV028631.D

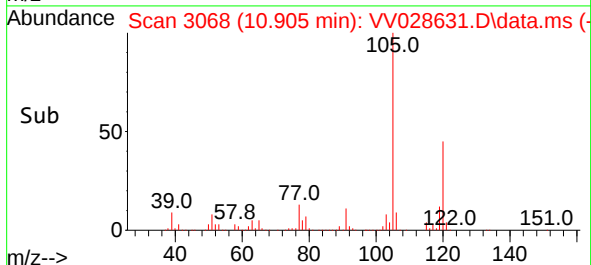
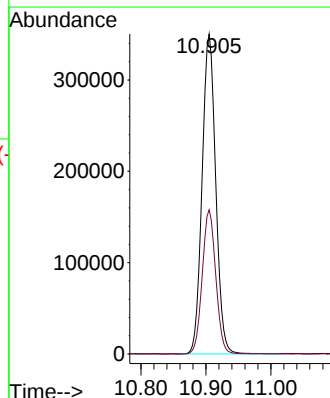
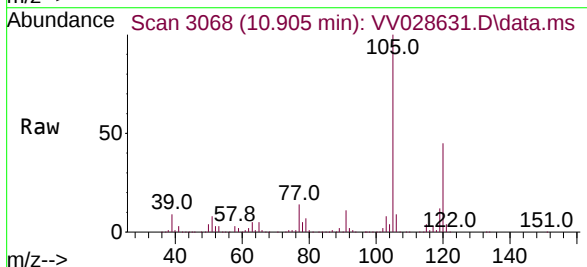
Acq: 20 Oct 2022 12:25

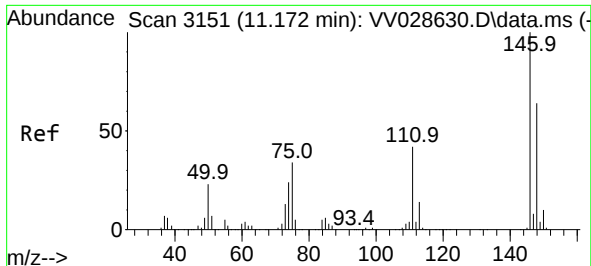
Tgt Ion:105 Resp: 512572

Ion Ratio Lower Upper

105 100

120 44.6 36.2 54.2

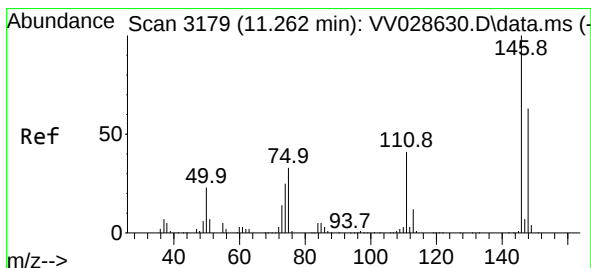
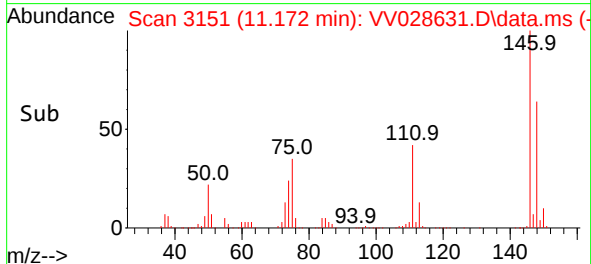
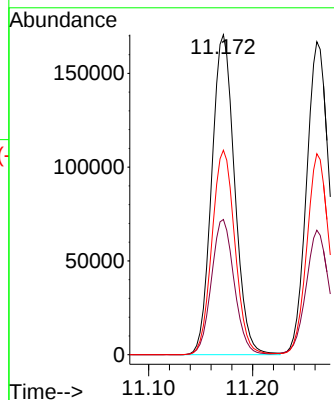
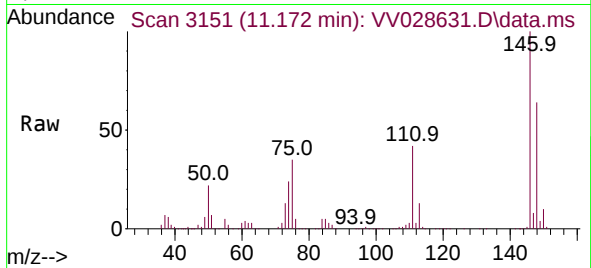




#64
1,3-Dichlorobenzene
Concen: 10.557 ug/L
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

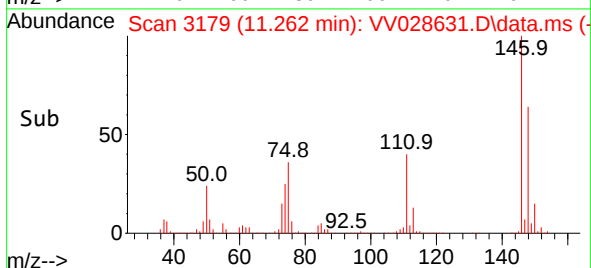
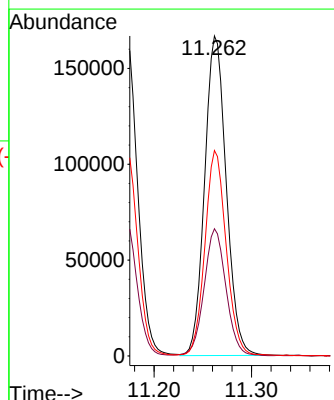
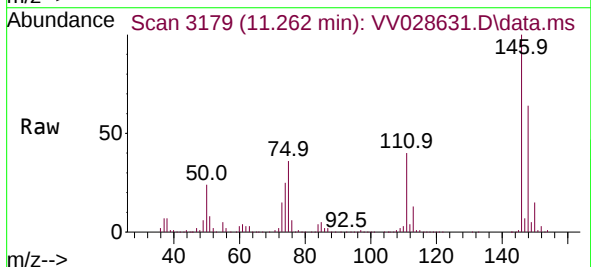
Instrument :
MSVOA_V
ClientSampleId :
VSTD010267

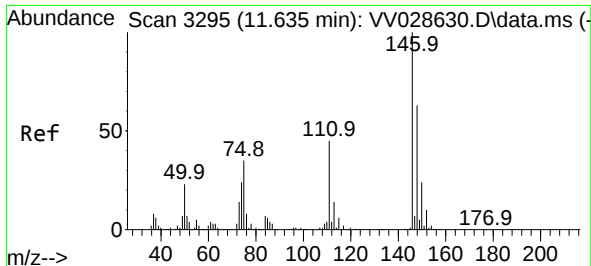
Tgt Ion:146 Resp: 261620
Ion Ratio Lower Upper
146 100
111 42.3 29.0 53.9
148 63.9 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 10.542 ug/L
RT: 11.262 min Scan# 3179
Delta R.T. 0.000 min
Lab File: VV028631.D
Acq: 20 Oct 2022 12:25

Tgt Ion:146 Resp: 257005
Ion Ratio Lower Upper
146 100
111 39.8 28.6 53.2
148 64.2 44.3 82.3

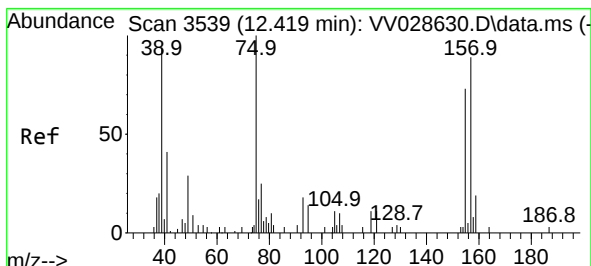
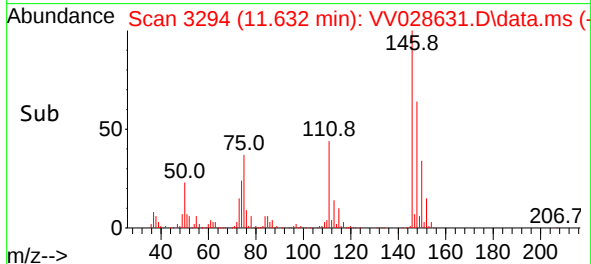
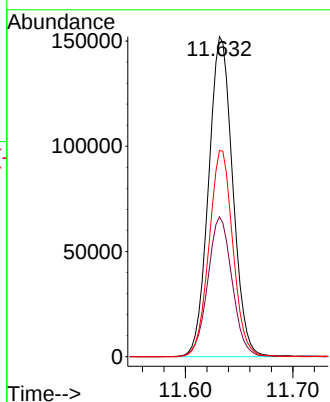
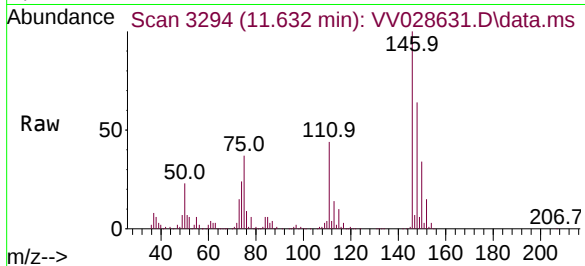




#67
 1,2-Dichlorobenzene
 Concen: 10.646 ug/L
 RT: 11.632 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

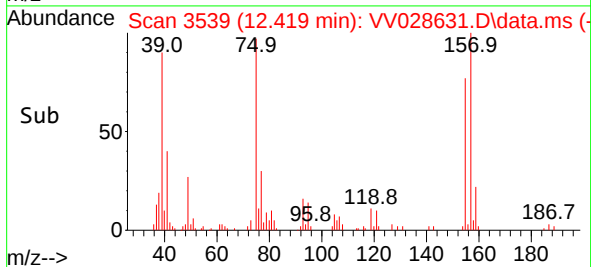
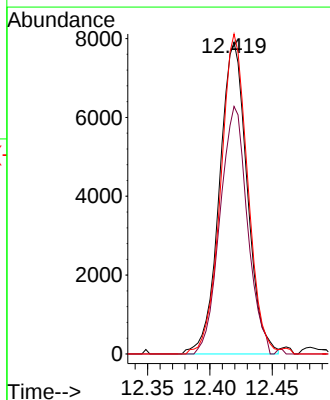
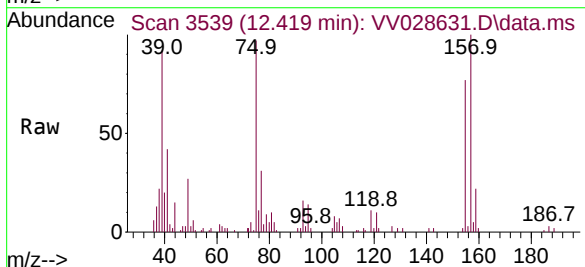
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010267

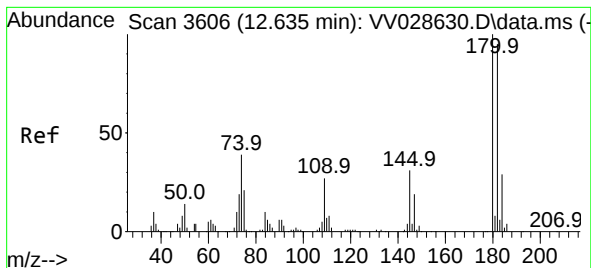
Tgt Ion:146 Resp: 237510
 Ion Ratio Lower Upper
 146 100
 111 43.7 36.2 54.4
 148 64.5 50.6 75.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 8.526 ug/L
 RT: 12.419 min Scan# 3539
 Delta R.T. 0.000 min
 Lab File: VV028631.D
 Acq: 20 Oct 2022 12:25

Tgt Ion: 75 Resp: 12244
 Ion Ratio Lower Upper
 75 100
 155 79.4 58.2 87.2
 157 102.6 71.5 107.3





#69

1,3,5-Trichlorobenzene

Concen: 10.439 ug/L

RT: 12.635 min Scan# 3606

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD010267

Tgt Ion:180 Resp: 186828

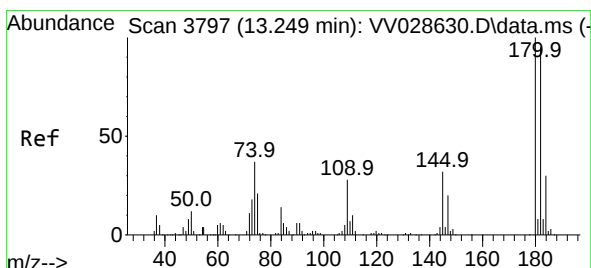
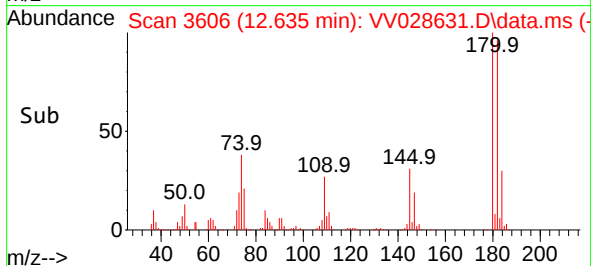
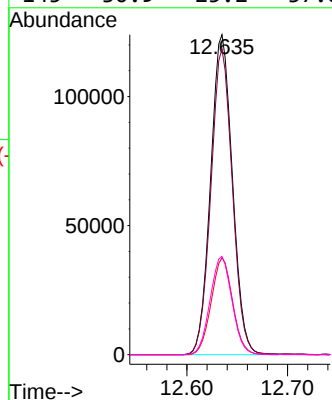
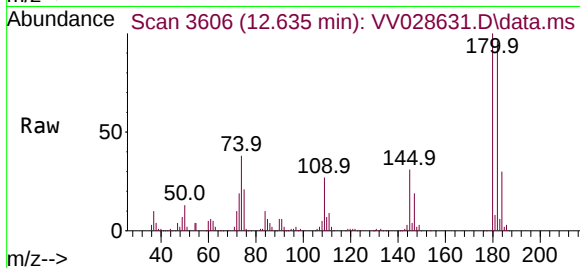
Ion Ratio Lower Upper

180 100

182 94.2 76.6 114.8

184 29.7 24.3 36.5

145 30.9 25.2 37.8



#70

1,2,4-trichlorobenzene

Concen: 10.815 ug/L

RT: 13.249 min Scan# 3797

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

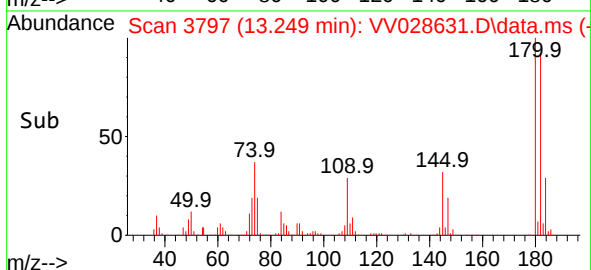
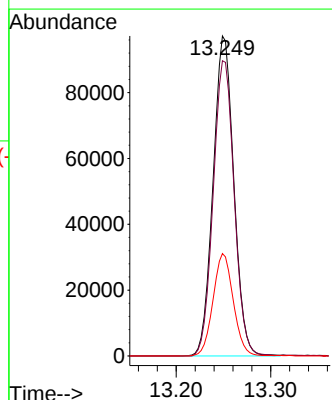
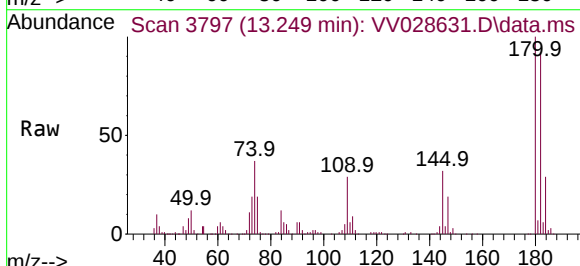
Tgt Ion:180 Resp: 148040

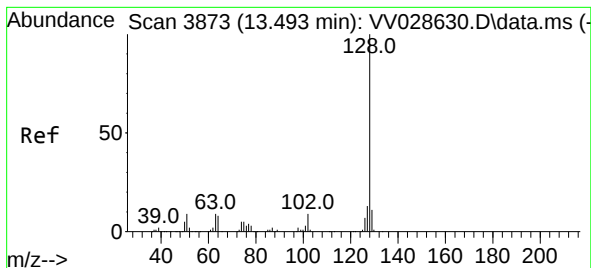
Ion Ratio Lower Upper

180 100

182 93.3 74.7 112.1

145 31.3 25.5 38.3





#71

Naphthalene

Concen: 11.338 ug/L

RT: 13.490 min Scan# 3873

Delta R.T. -0.003 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD010267

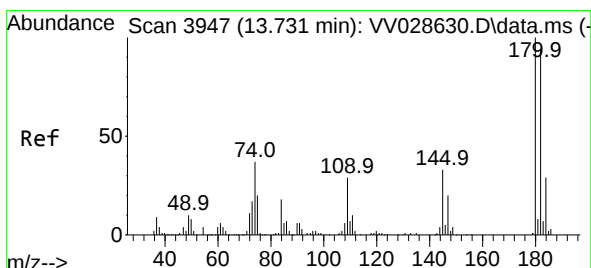
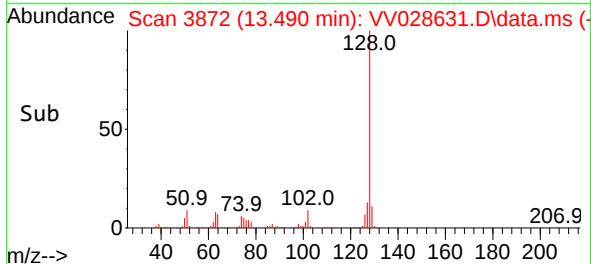
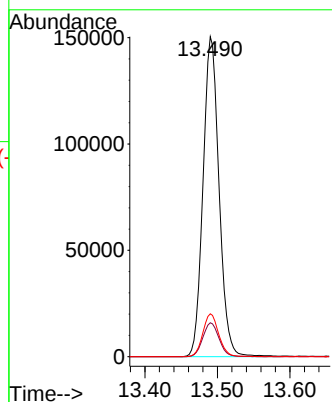
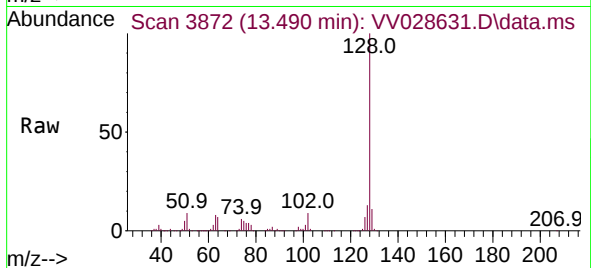
Tgt Ion:128 Resp: 230821

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.3 10.2 15.4



#72

1,2,3-Trichlorobenzene

Concen: 11.186 ug/L

RT: 13.731 min Scan# 3947

Delta R.T. 0.000 min

Lab File: VV028631.D

Acq: 20 Oct 2022 12:25

Tgt Ion:180 Resp: 127763

Ion Ratio Lower Upper

180 100

182 94.3 73.4 110.0

145 33.9 26.3 39.5

