

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081922\
 Data File : VV027438.D
 Acq On : 19 Aug 2022 11:25
 Operator : SY/MD
 Sample : VSTD02017
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020217

Quant Time: Aug 20 05:23:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR081922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 20 05:20:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	157102	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	151232	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	84491	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	223639	17.189	ug/L	0.00
7) Chloroethane-d5	1.564	69	150731	15.802	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	503922	20.203	ug/L	0.00
20) 2-Butanone-d5	3.883	46	423988	199.946	ug/L	-0.01
24) Chloroform-d	4.346	84	447435	18.410	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.030	65	192230	16.805	ug/L	0.00
32) Benzene-d6	5.047	84	881800	20.085	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.066	67	248719	18.557	ug/L	0.00
41) Toluene-d8	7.313	98	832035	20.741	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	90664	19.492	ug/L	0.00
46) 2-Hexanone-d5	8.088	63	343320	197.530	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.214	84	148924	15.735	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.622	152	249878	17.663	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	347205	19.000	ug/L	99
3) Chloromethane	1.240	50	295495	16.541	ug/L	100
5) Vinyl chloride	1.310	62	297842	17.605	ug/L	100
6) Bromomethane	1.519	94	146096	18.360	ug/L	98
8) Chloroethane	1.584	64	164027	17.312	ug/L	97
9) Trichlorofluoromethane	1.751	101	464836	19.993	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	268248	23.412	ug/L	98
12) 1,1-Dichloroethene	2.114	96	238662	20.833	ug/L	90
13) Acetone	2.175	43	317973	197.542	ug/L	86
14) Carbon disulfide	2.291	76	674275	15.689	ug/L	99
15) Methyl Acetate	2.432	43	64467	14.975	ug/L	# 83
16) Methylene chloride	2.503	84	264573	14.834	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	545797	20.716	ug/L	98
18) trans-1,2-Dichloroethene	2.757	96	258096	18.797	ug/L	97
19) 1,1-Dichloroethane	3.185	63	515280	19.279	ug/L	100
21) 2-Butanone	3.966	43	465749	207.036	ug/L	96
22) cis-1,2-Dichloroethene	3.908	96	296602	21.841	ug/L	99
23) Bromochloromethane	4.243	128	124630	19.794	ug/L	91
25) Chloroform	4.371	83	549546	19.808	ug/L	95
27) 1,2-Dichloroethane	5.127	62	305814	19.427	ug/L	100
29) 1,1,1-Trichloroethane	4.606	97	490575	22.406	ug/L	100
30) Cyclohexane	4.677	56	445107	25.634	ug/L	99
31) Carbon tetrachloride	4.825	117	431667	22.694	ug/L	100
33) Benzene	5.095	78	1141333	21.908	ug/L	100
34) Trichloroethene	5.911	95	288048	22.086	ug/L	98
35) Methylcyclohexane	6.130	83	464678	26.205	ug/L	95
37) 1,2-Dichloropropane	6.172	63	289933	22.479	ug/L	99
38) Bromodichloromethane	6.506	83	367630	21.897	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	398543	24.984	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	1474648	225.702	ug/L	97
42) Toluene	7.384	91	1213473	23.302	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	325413	23.672	ug/L	99

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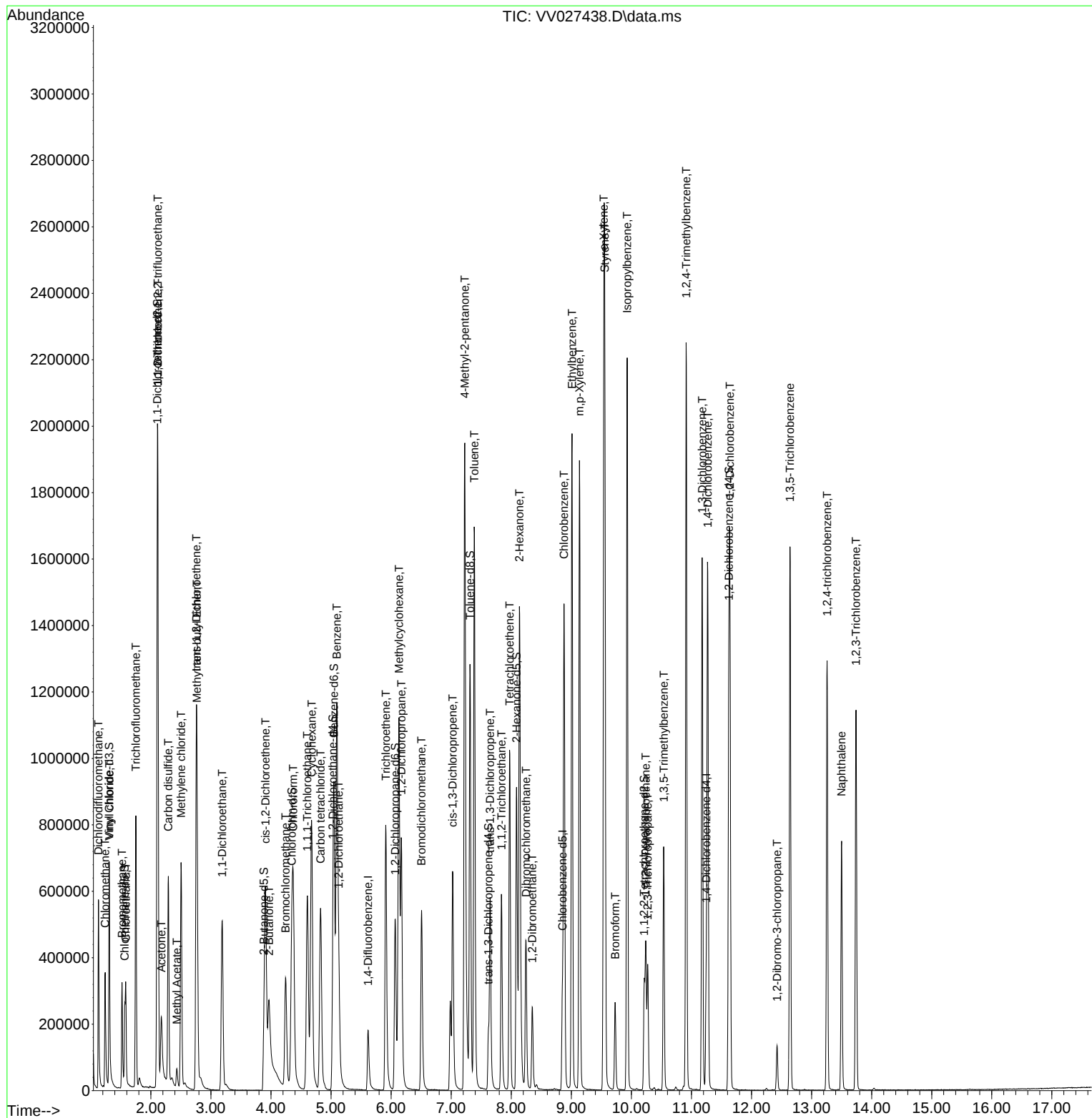
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.837	97	183492	20.225	ug/L	96
47) Tetrachloroethene	7.972	164	224721	21.944	ug/L	97
48) 2-Hexanone	8.136	43	1028201	219.015	ug/L	96
49) Dibromochloromethane	8.246	129	230919	21.445	ug/L	97
50) 1,2-Dibromoethane	8.349	107	165742	20.587	ug/L	96
51) Chlorobenzene	8.879	112	751956	22.150	ug/L	99
52) Ethylbenzene	9.011	91	1322572	25.372	ug/L	100
53) m,p-Xylene	9.136	106	515618	25.892	ug/L	99
54) o-Xylene	9.542	106	488276	25.005	ug/L	98
55) Styrene	9.558	104	845793	25.351	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	206195	20.321	ug/L	98
59) Bromoform	9.731	173	117333	20.462	ug/L	99
60) Isopropylbenzene	9.931	105	1333352	24.700	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	147567	18.127	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	372464	24.997	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	1133765	26.617	ug/L	100
64) 1,3-Dichlorobenzene	11.178	146	605170	22.327	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	596923	22.102	ug/L	97
67) 1,2-Dichlorobenzene	11.638	146	543375	21.801	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.426	75	33640	19.972	ug/L	99
69) 1,3,5-Trichlorobenzene	12.641	180	466119	23.825	ug/L	98
70) 1,2,4-trichlorobenzene	13.258	180	364384	24.997	ug/L	99
71) Naphthalene	13.500	128	550987	25.027	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	327744	24.411	ug/L	99

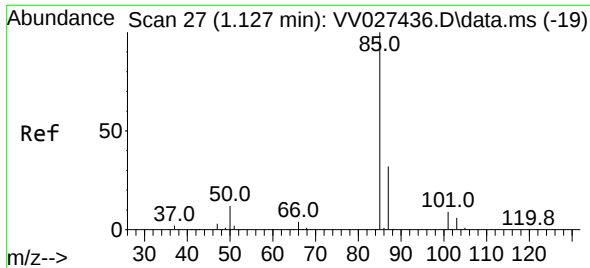
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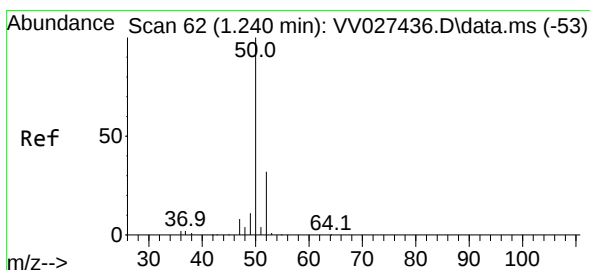
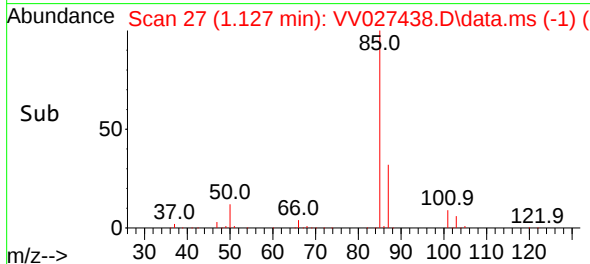
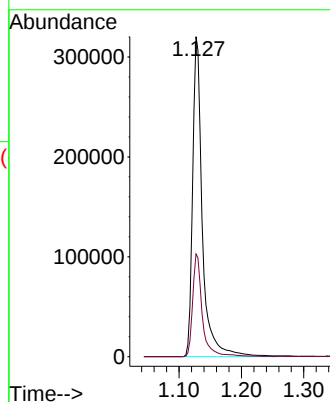
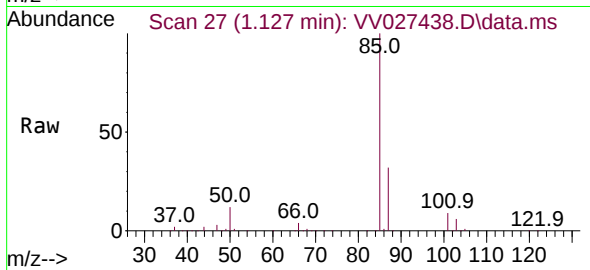




#2
Dichlorodifluoromethane
Concen: 19.000 ug/L
RT: 1.127 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

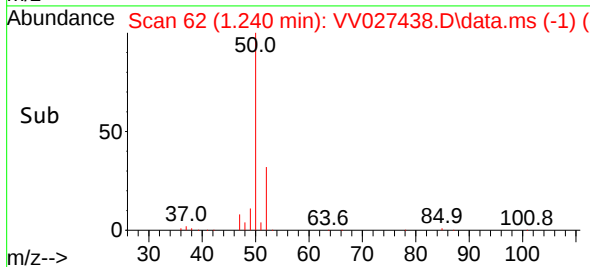
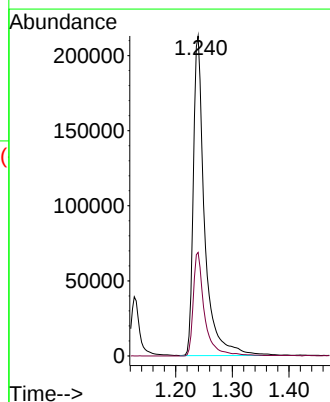
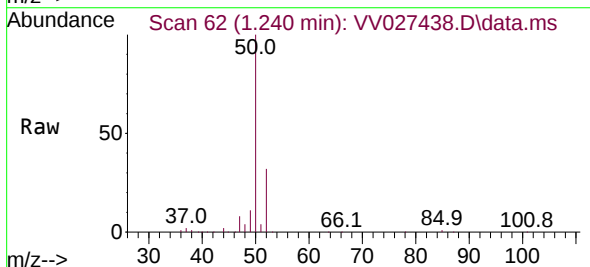
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

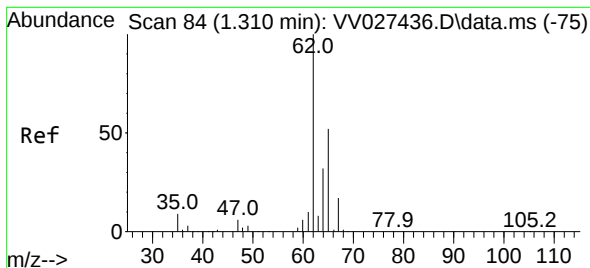
Tgt Ion: 85 Resp: 347205
Ion Ratio Lower Upper
85 100
87 32.0 26.0 39.0



#3
Chloromethane
Concen: 16.541 ug/L
RT: 1.240 min Scan# 62
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 50 Resp: 295495
Ion Ratio Lower Upper
50 100
52 32.4 22.8 42.4





#5

Vinyl chloride

Concen: 17.605 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

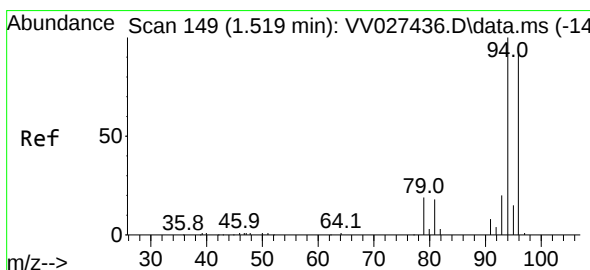
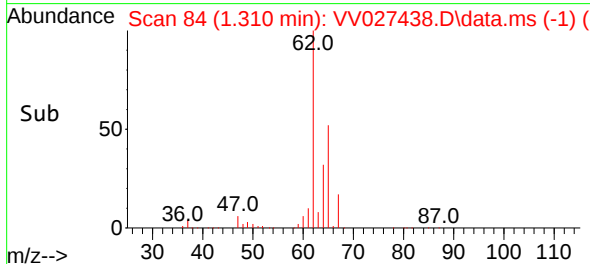
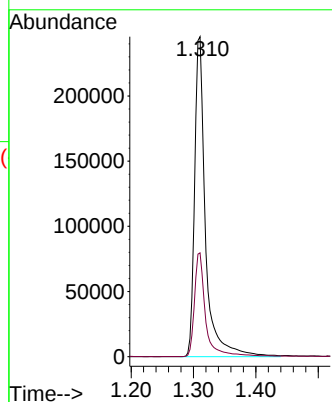
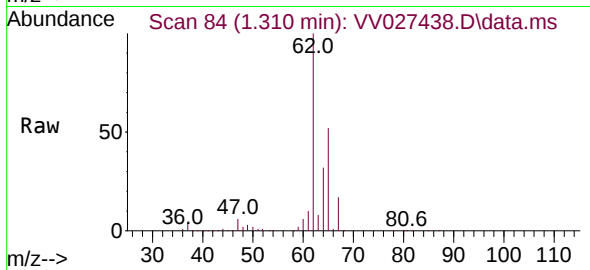
VSTD020217

Tgt Ion: 62 Resp: 297842

Ion Ratio Lower Upper

62 100

64 32.4 22.6 42.0



#6

Bromomethane

Concen: 18.360 ug/L

RT: 1.519 min Scan# 149

Delta R.T. -0.000 min

Lab File: VV027438.D

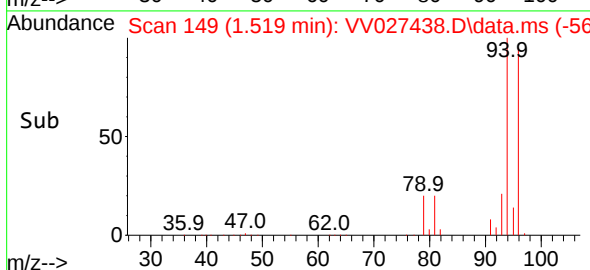
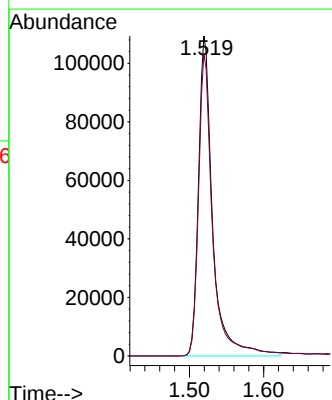
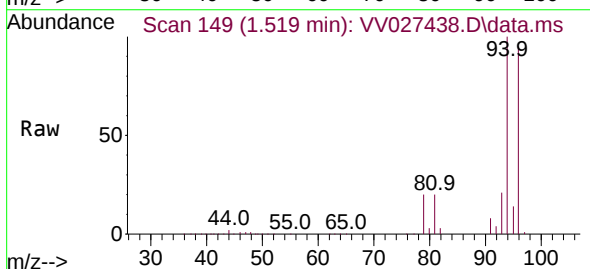
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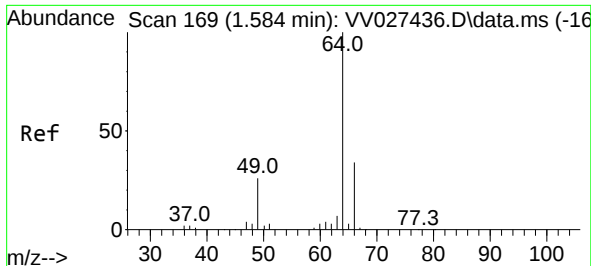
Tgt Ion: 94 Resp: 146096

Ion Ratio Lower Upper

94 100

96 94.6 65.2 121.0

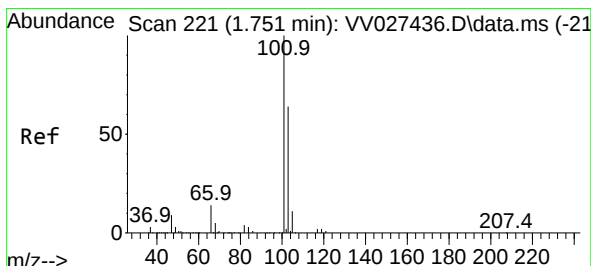
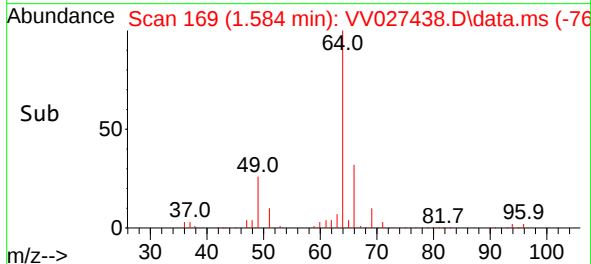
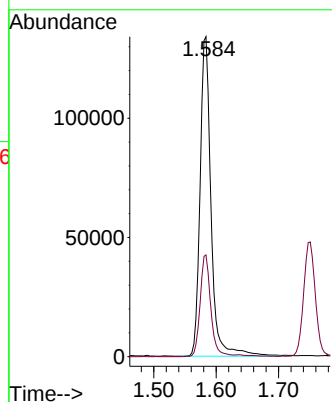
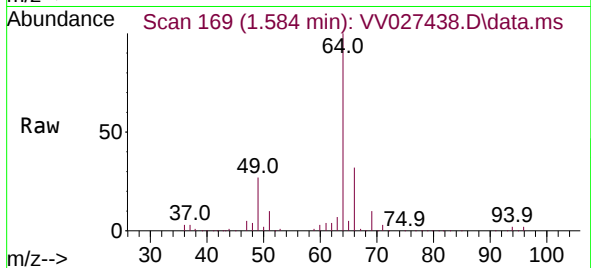




#8
Chloroethane
Concen: 17.312 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

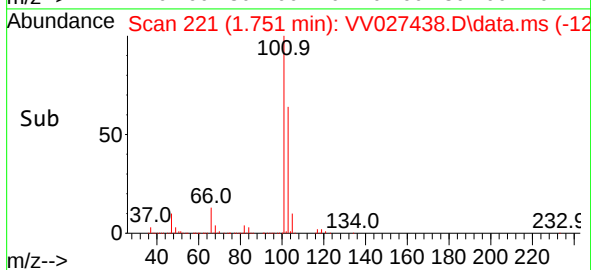
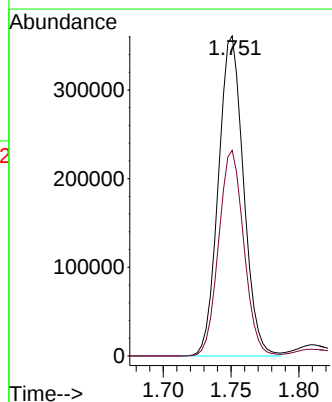
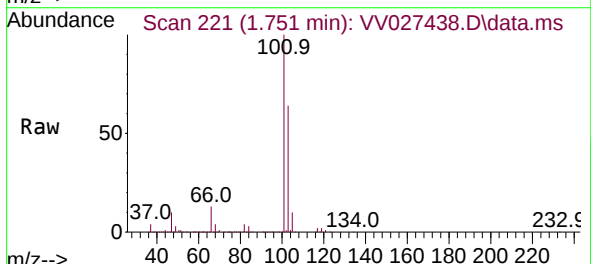
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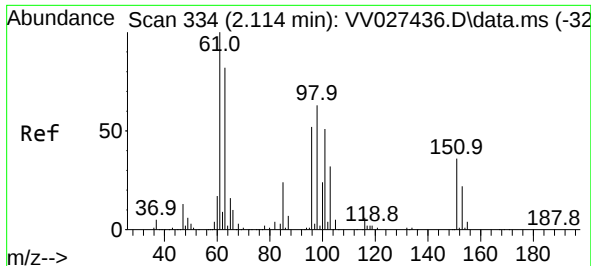
Tgt Ion: 64 Resp: 164027
Ion Ratio Lower Upper
64 100
66 31.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 19.993 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion:101 Resp: 464836
Ion Ratio Lower Upper
101 100
103 64.3 51.5 77.3

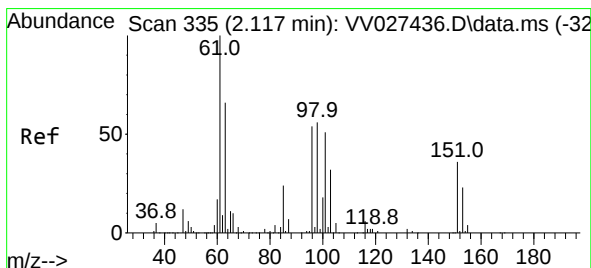
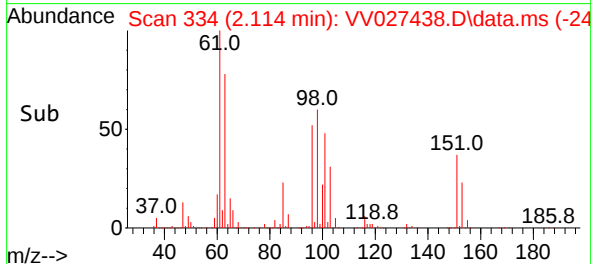
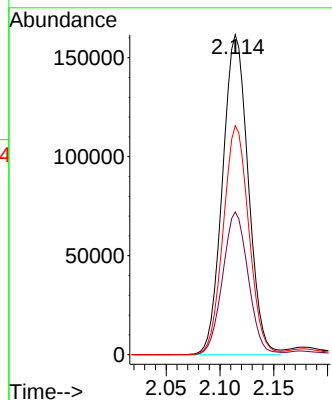
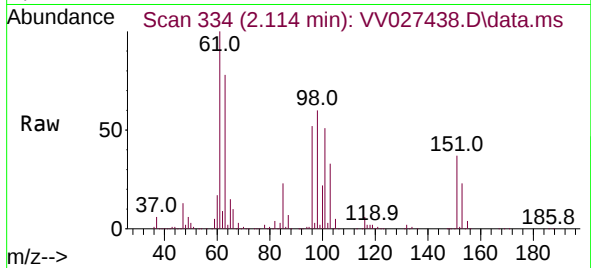




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 23.412 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.000 min
 Lab File: VV027438.D
 Acq: 19 Aug 2022 11:25

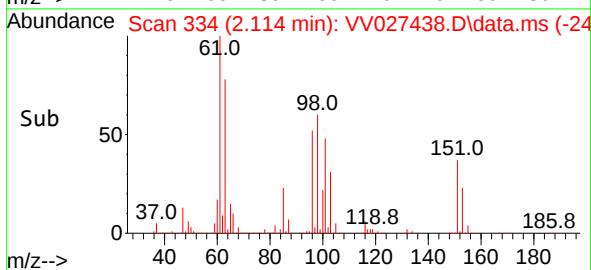
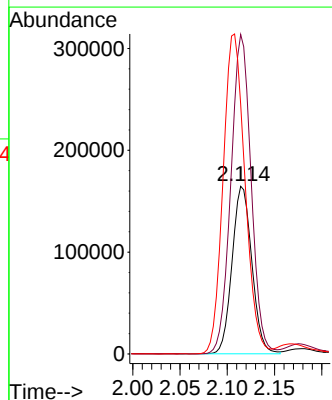
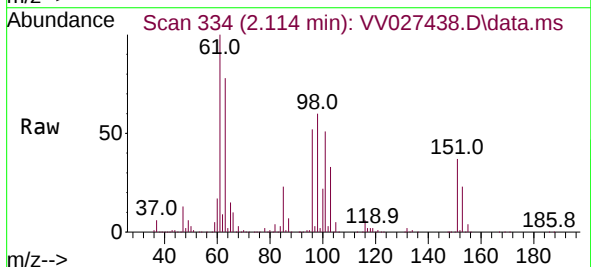
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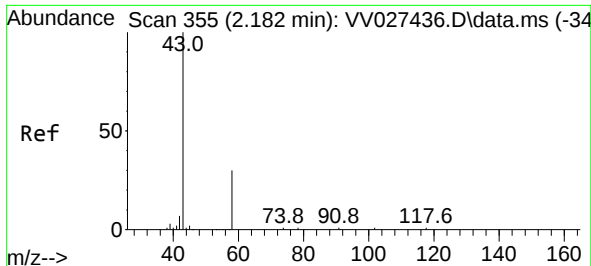
Tgt Ion:101 Resp: 268248
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.3 52.9
 151 71.5 55.2 82.8



#12
 1,1-Dichloroethene
 Concen: 20.833 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. -0.003 min
 Lab File: VV027438.D
 Acq: 19 Aug 2022 11:25

Tgt Ion: 96 Resp: 238662
 Ion Ratio Lower Upper
 96 100
 61 190.6 130.2 241.8
 63 148.9 87.4 162.4

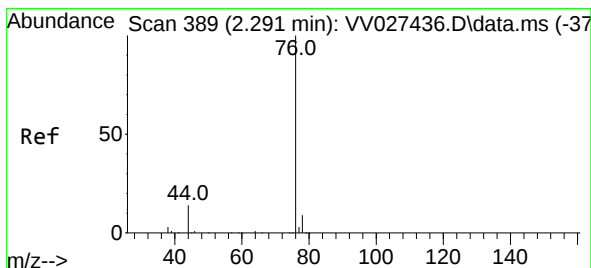
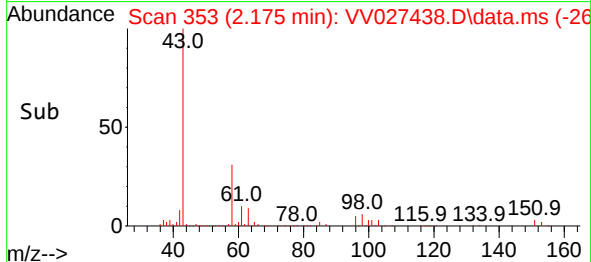
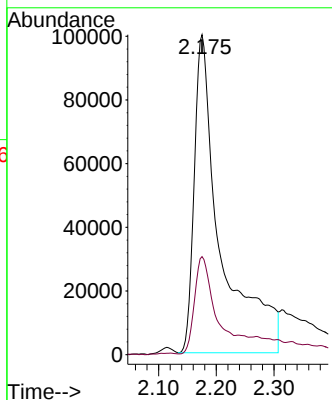
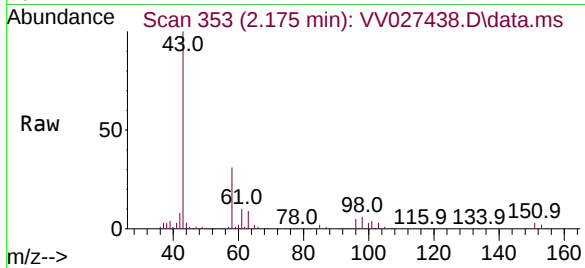




#13
Acetone
Concen: 197.542 ug/L
RT: 2.175 min Scan# 31
Delta R.T. -0.007 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

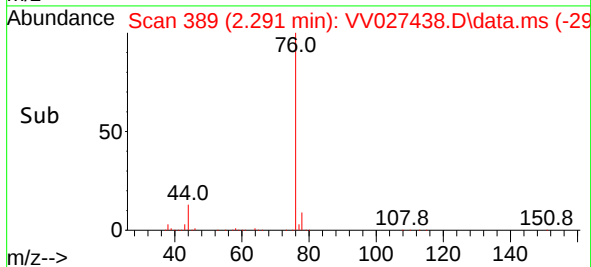
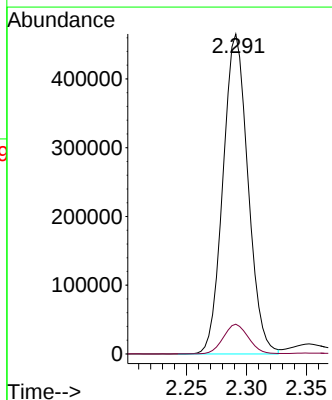
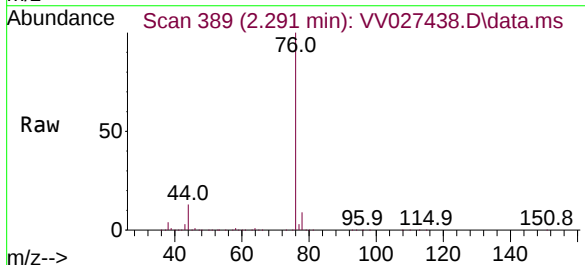
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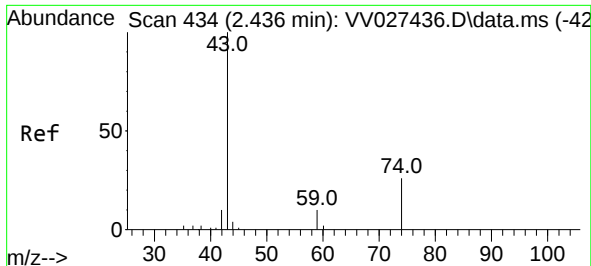
Tgt Ion: 43 Resp: 317973
Ion Ratio Lower Upper
43 100
58 23.5 0.0 62.2



#14
Carbon disulfide
Concen: 15.689 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.000 min
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Tgt Ion: 76 Resp: 674275
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

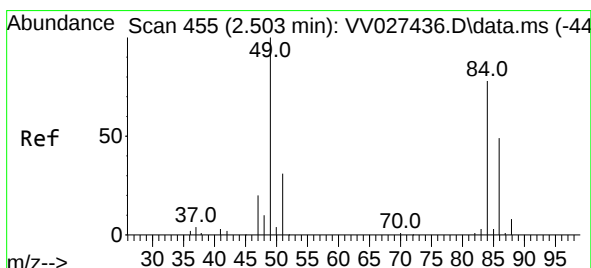
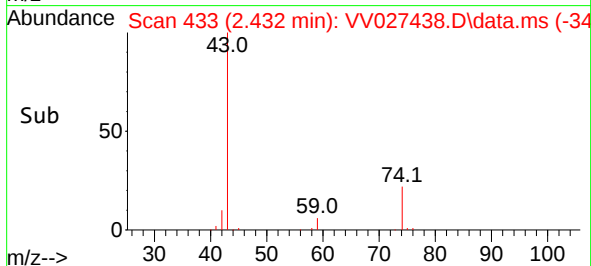
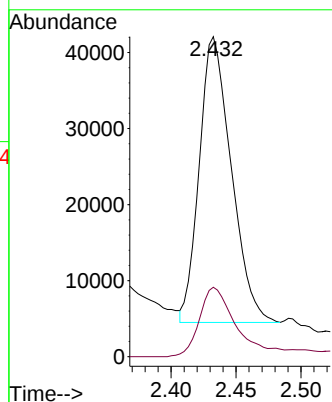
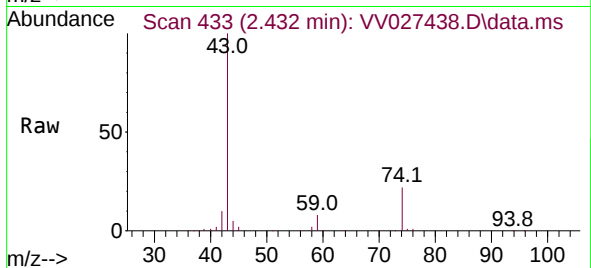




#15
Methyl Acetate
Concen: 14.975 ug/L
RT: 2.432 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

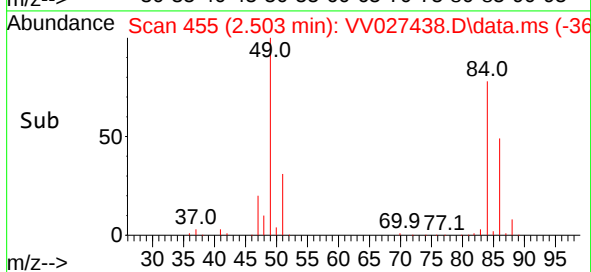
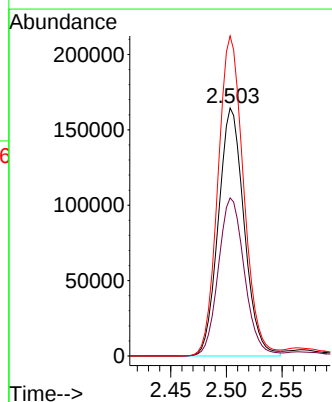
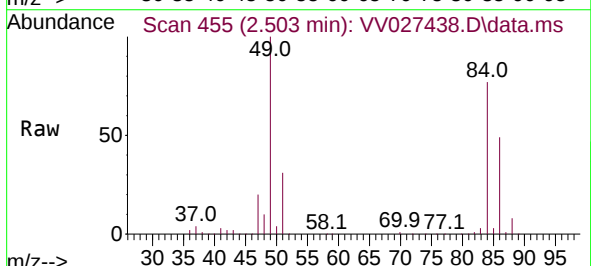
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

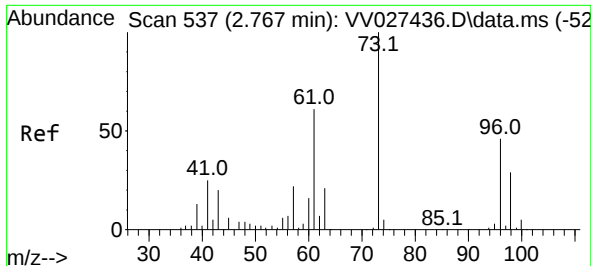
Tgt Ion: 43 Resp: 64467
Ion Ratio Lower Upper
43 100
74 28.2 16.3 24.5#



#16
Methylene chloride
Concen: 14.834 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 84 Resp: 264573
Ion Ratio Lower Upper
84 100
86 63.8 44.0 81.6
49 129.1 89.4 166.0





#17

Methyl tert-butyl Ether

Concen: 20.716 ug/L

RT: 2.767 min Scan# 51

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217

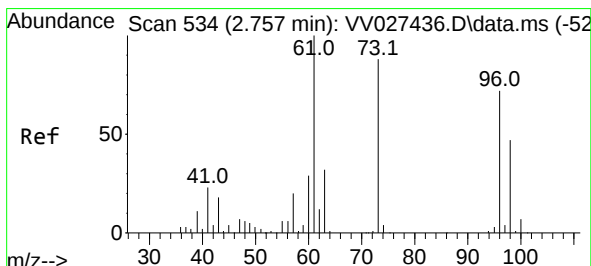
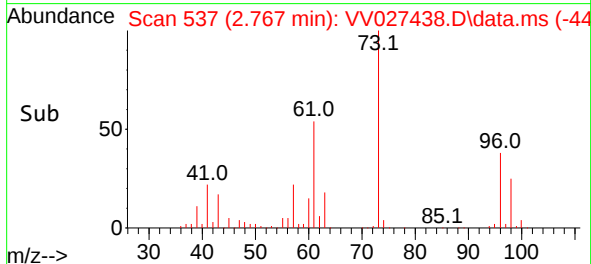
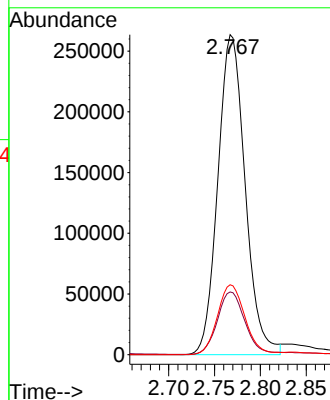
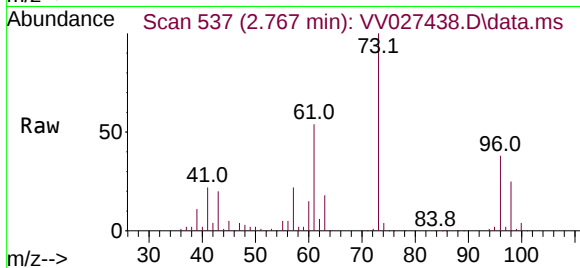
Tgt Ion: 73 Resp: 545797

Ion Ratio Lower Upper

73 100

43 20.4 15.6 23.4

57 22.1 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 18.797 ug/L

RT: 2.757 min Scan# 534

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

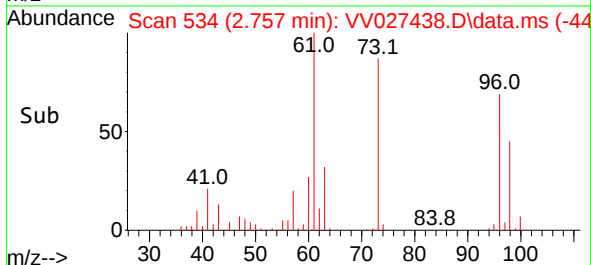
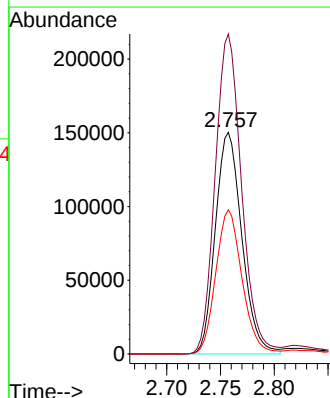
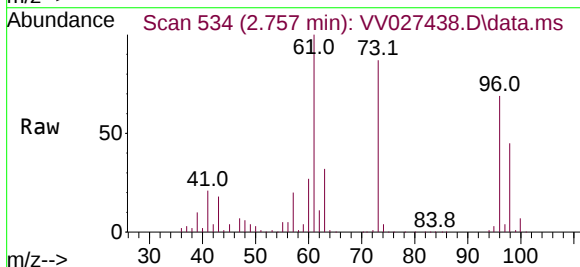
Tgt Ion: 96 Resp: 258096

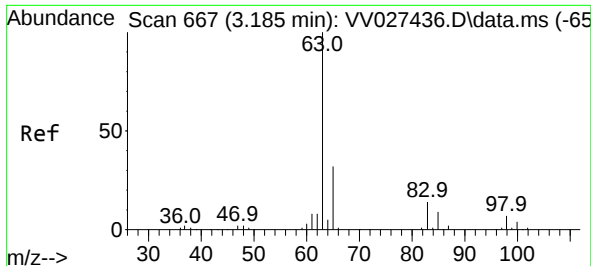
Ion Ratio Lower Upper

96 100

61 144.4 97.6 181.4

98 65.1 45.9 85.3

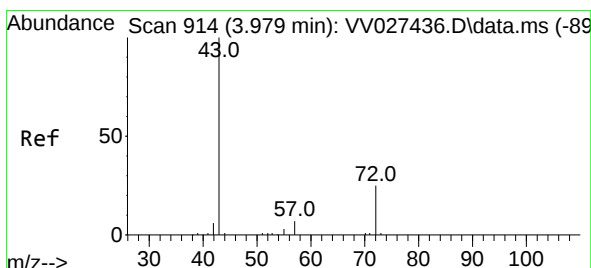
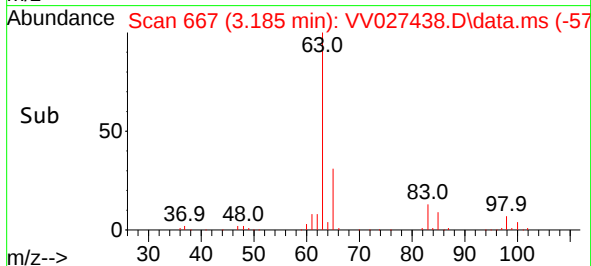
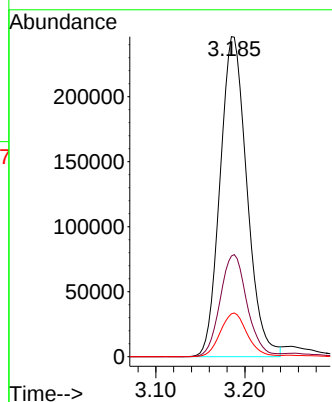
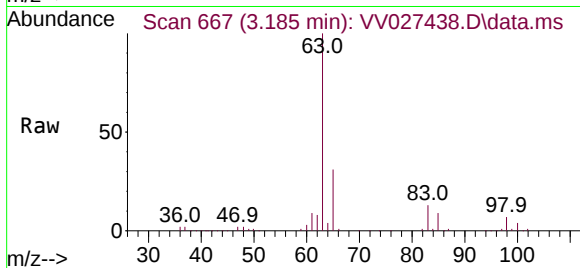




#19
1,1-Dichloroethane
Concen: 19.279 ug/L
RT: 3.185 min Scan# 60
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

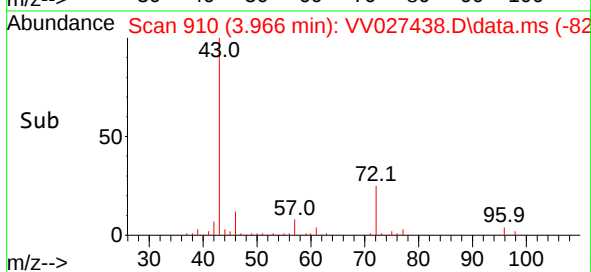
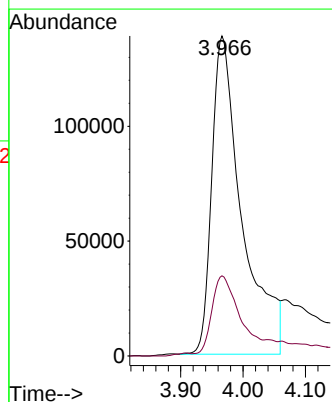
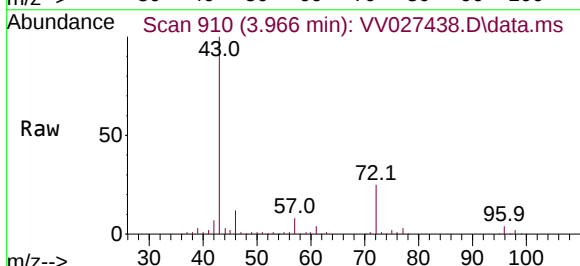
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

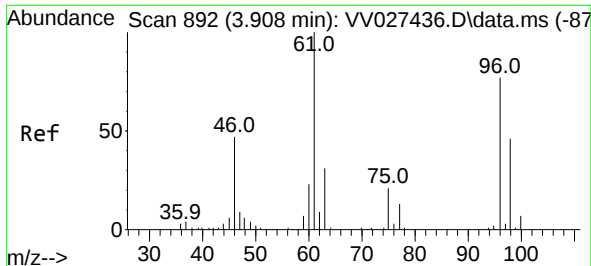
Tgt Ion: 63 Resp: 515280
Ion Ratio Lower Upper
63 100
65 31.5 22.1 41.1
83 13.4 9.6 17.8



#21
2-Butanone
Concen: 207.036 ug/L
RT: 3.966 min Scan# 910
Delta R.T. -0.013 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 43 Resp: 465749
Ion Ratio Lower Upper
43 100
72 22.3 12.0 36.1





#22

cis-1,2-Dichloroethene

Concen: 21.841 ug/L

RT: 3.908 min Scan# 892

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217

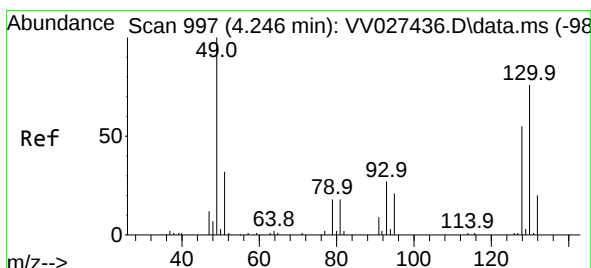
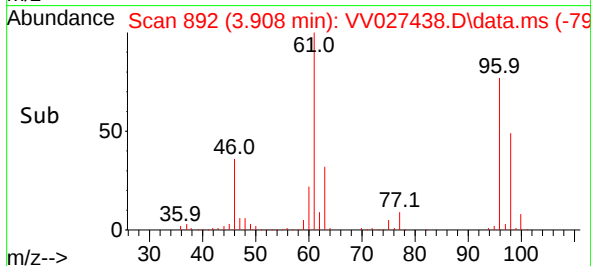
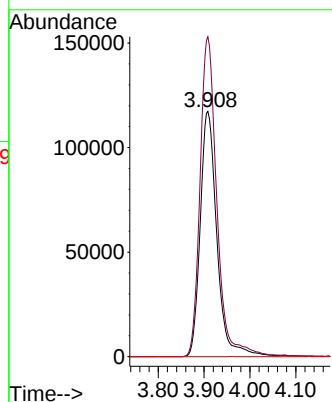
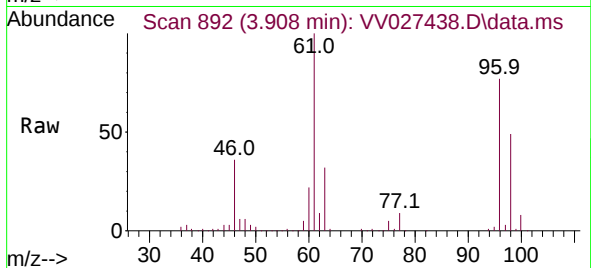
Tgt Ion: 96 Resp: 296602

Ion Ratio Lower Upper

96 100

61 130.5 90.6 168.2

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 19.794 ug/L

RT: 4.243 min Scan# 996

Delta R.T. -0.003 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Tgt Ion: 128 Resp: 124630

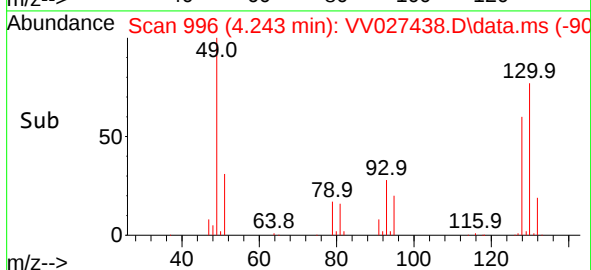
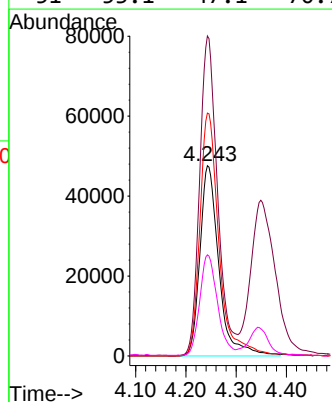
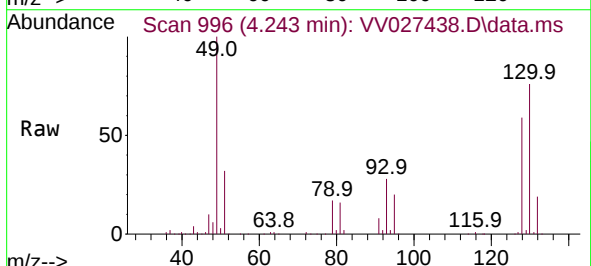
Ion Ratio Lower Upper

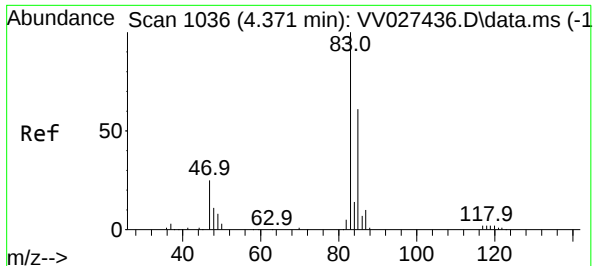
128 100

49 168.1 127.5 236.7

130 127.6 97.0 180.2

51 53.1 47.1 70.7





#25

Chloroform

Concen: 19.808 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

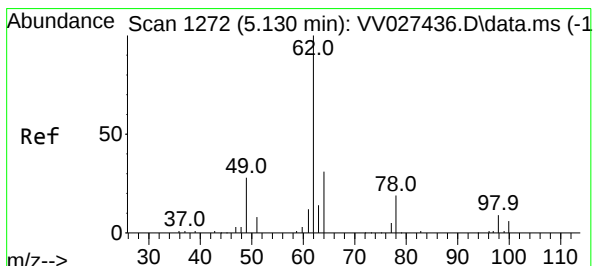
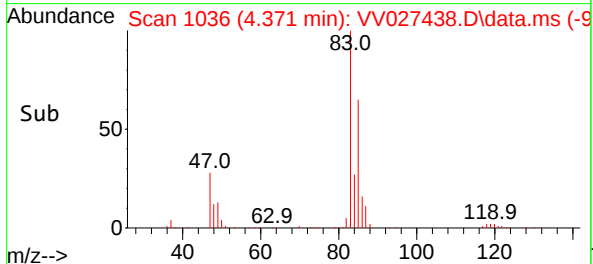
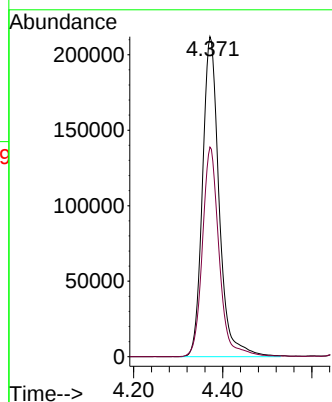
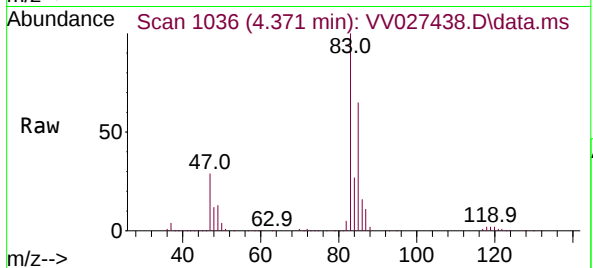
VSTD020217

Tgt Ion: 83 Resp: 549546

Ion Ratio Lower Upper

83 100

85 65.5 43.3 80.5



#27

1,2-Dichloroethane

Concen: 19.427 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VV027438.D

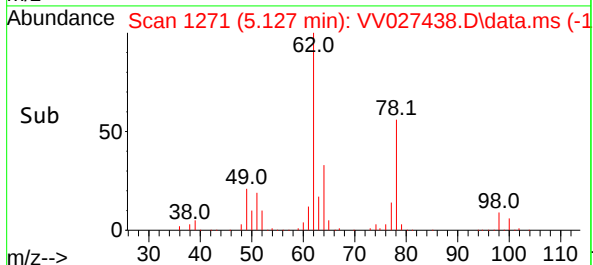
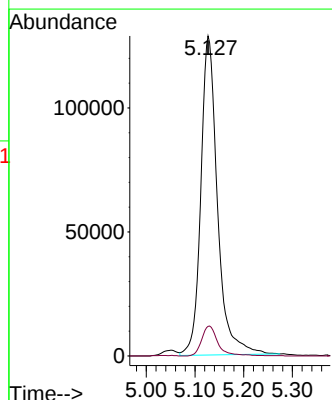
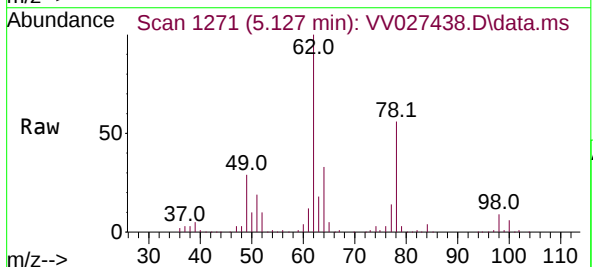
Acq: 19 Aug 2022 11:25

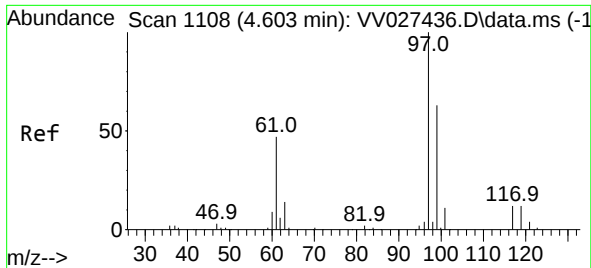
Tgt Ion: 62 Resp: 305814

Ion Ratio Lower Upper

62 100

98 9.3 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 22.406 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.003 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217

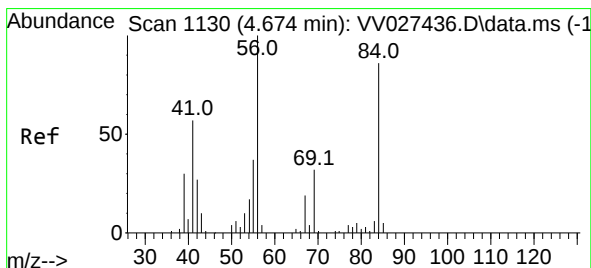
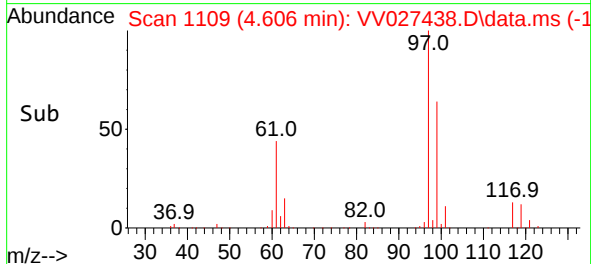
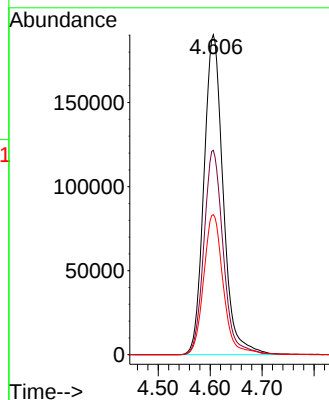
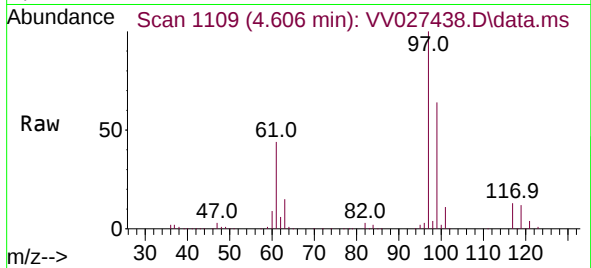
Tgt Ion: 97 Resp: 490575

Ion Ratio Lower Upper

97 100

99 64.2 51.1 76.7

61 44.6 35.9 53.9



#30

Cyclohexane

Concen: 25.634 ug/L

RT: 4.677 min Scan# 1131

Delta R.T. 0.003 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

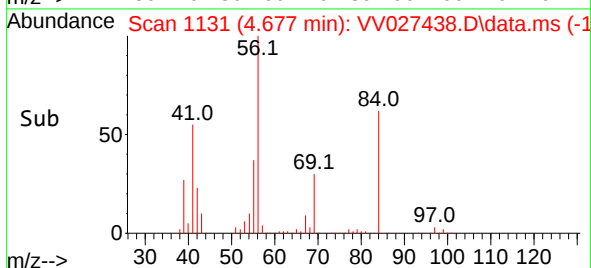
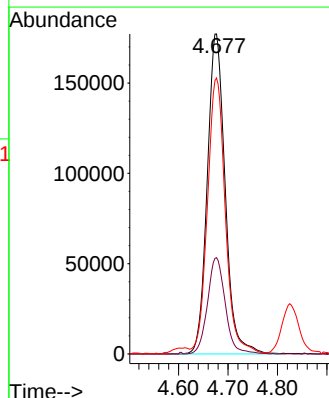
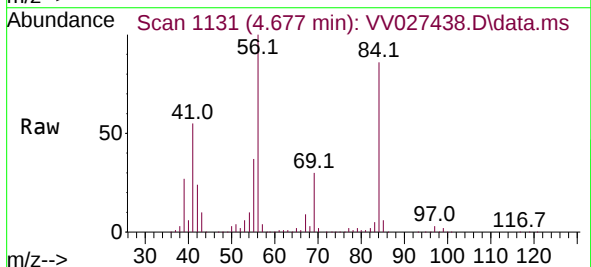
Tgt Ion: 56 Resp: 445107

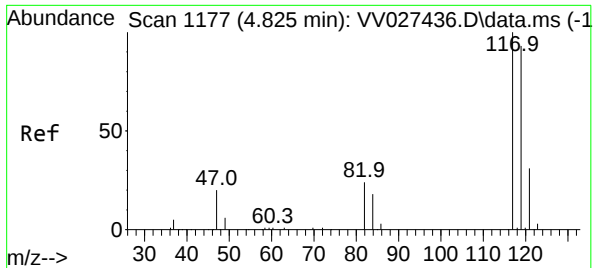
Ion Ratio Lower Upper

56 100

69 29.8 25.4 38.0

84 86.4 69.7 104.5

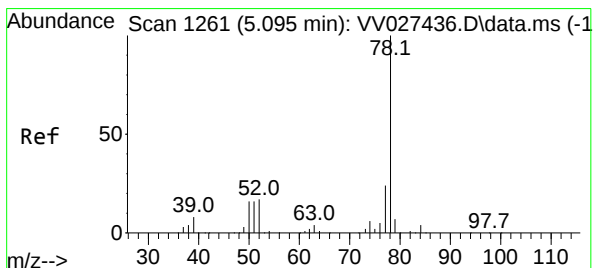
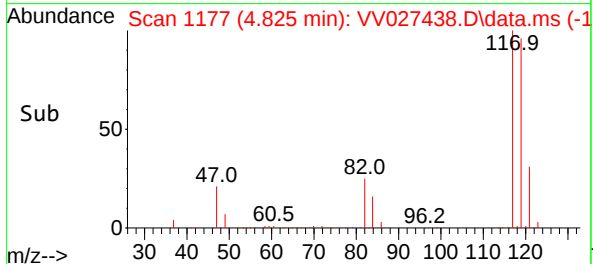
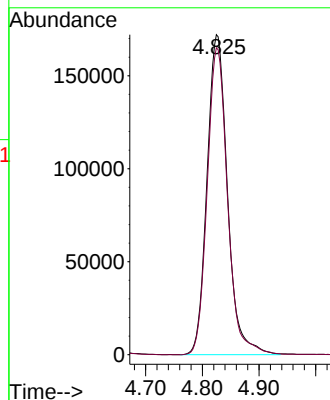
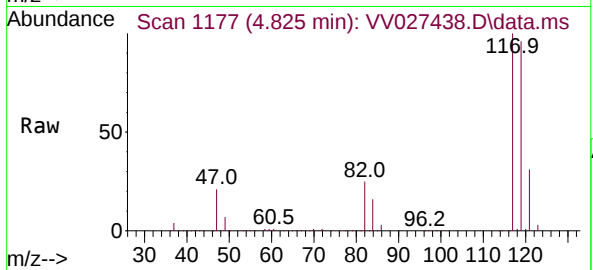




#31
Carbon tetrachloride
Concen: 22.694 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

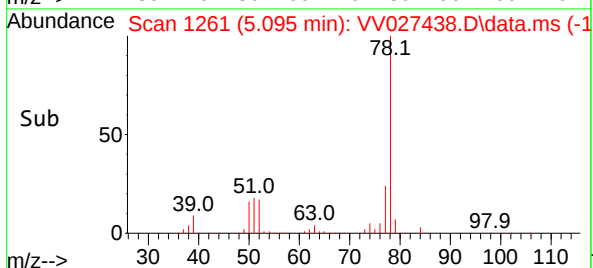
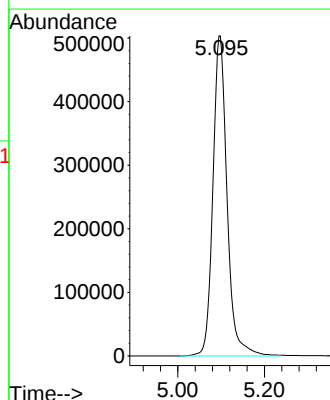
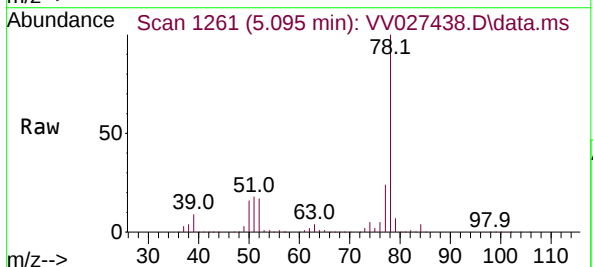
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

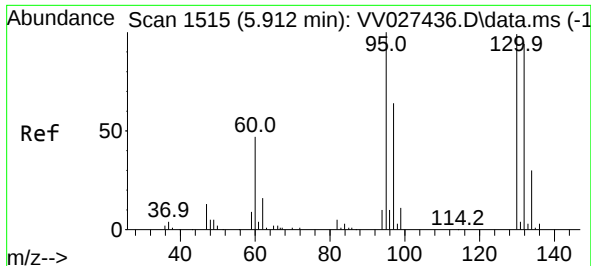
Tgt Ion:117 Resp: 431667
Ion Ratio Lower Upper
117 100
119 95.4 76.1 114.1



#33
Benzene
Concen: 21.908 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 78 Resp: 1141333

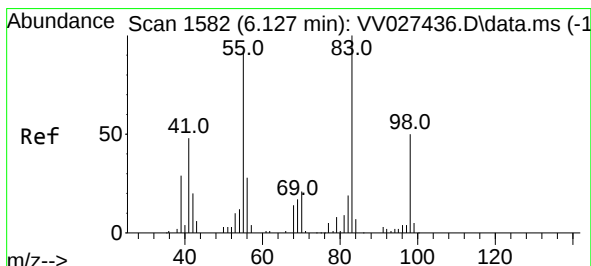
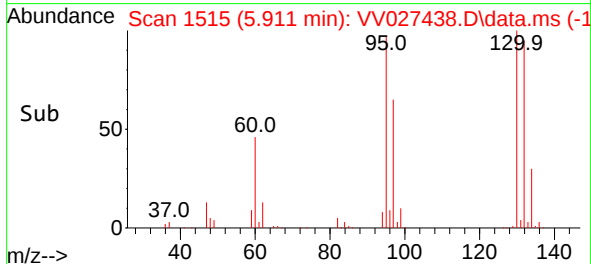
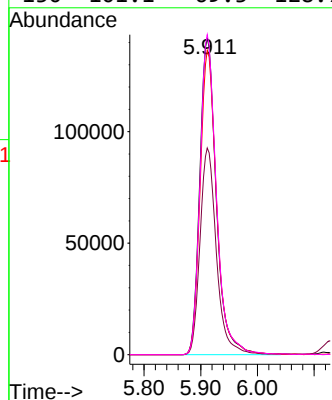
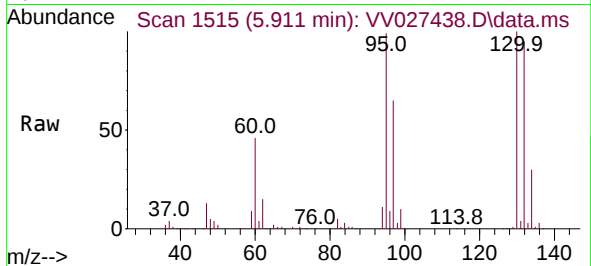




#34
Trichloroethene
Concen: 22.086 ug/L
RT: 5.911 min Scan# 1515
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

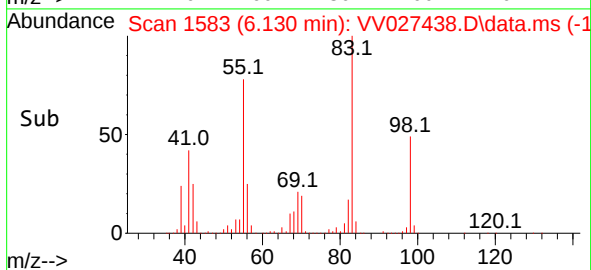
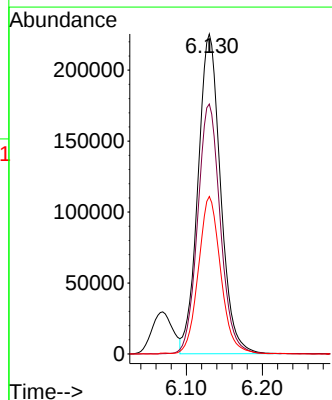
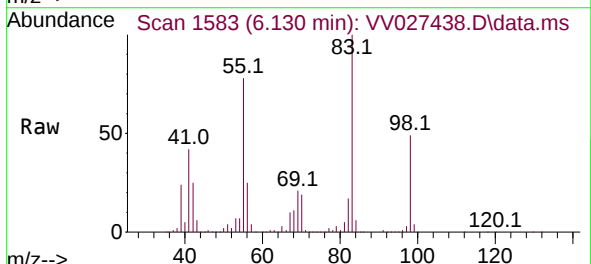
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

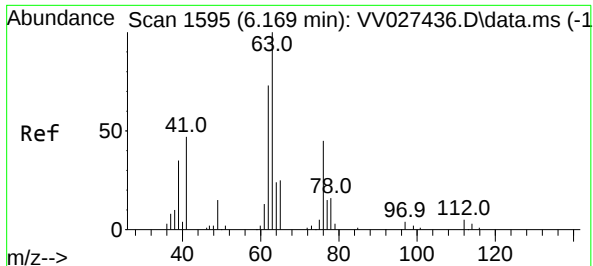
Tgt Ion: 95 Resp: 288048
Ion Ratio Lower Upper
95 100
97 65.3 45.0 83.6
132 96.2 65.7 121.9
130 101.1 69.3 128.7



#35
Methylcyclohexane
Concen: 26.205 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 83 Resp: 464678
Ion Ratio Lower Upper
83 100
55 78.5 68.2 102.4
98 48.4 39.0 58.4





#37

1,2-Dichloropropane

Concen: 22.479 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

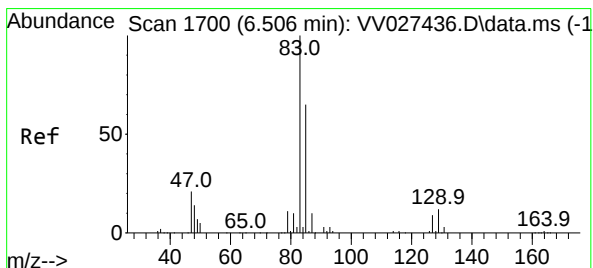
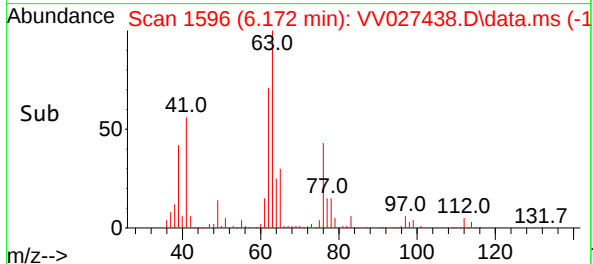
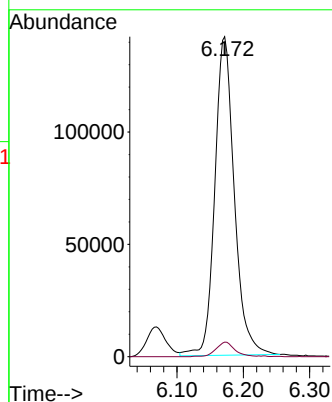
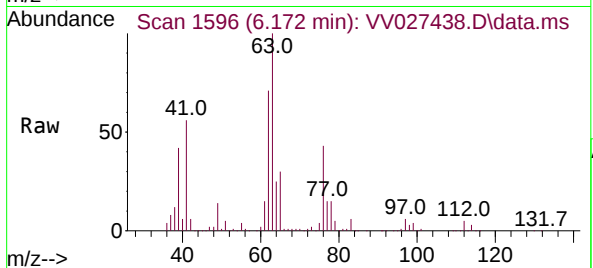
VSTD020217

Tgt Ion: 63 Resp: 289933

Ion Ratio Lower Upper

63 100

112 4.4 3.9 5.9



#38

Bromodichloromethane

Concen: 21.897 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

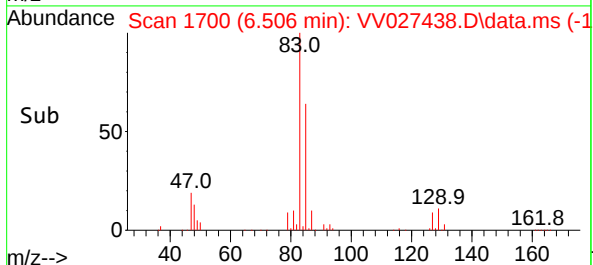
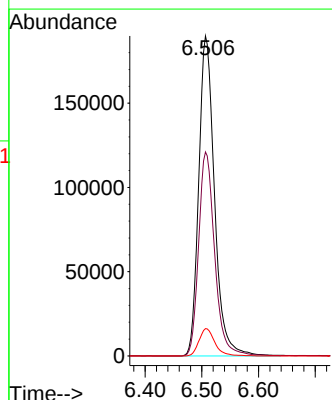
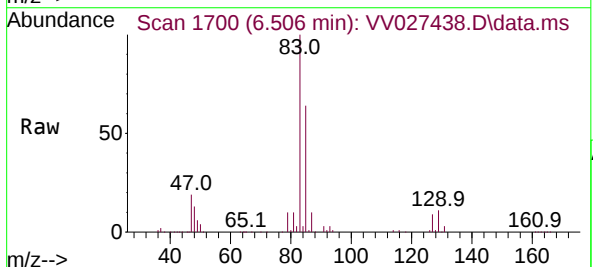
Tgt Ion: 83 Resp: 367630

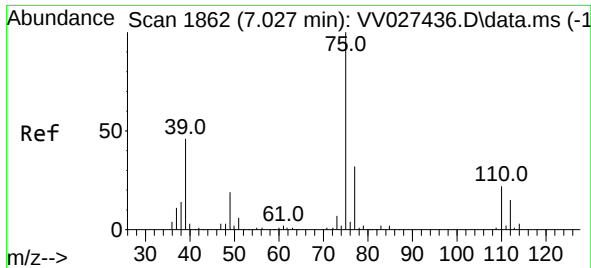
Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 24.984 ug/L

RT: 7.024 min Scan# 1862

Delta R.T. -0.003 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

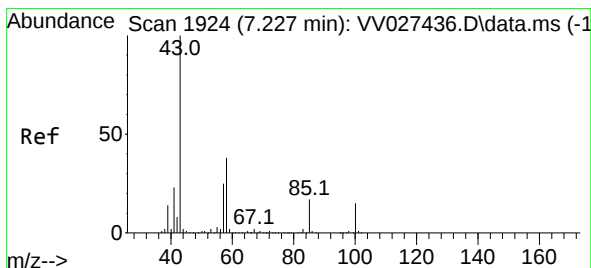
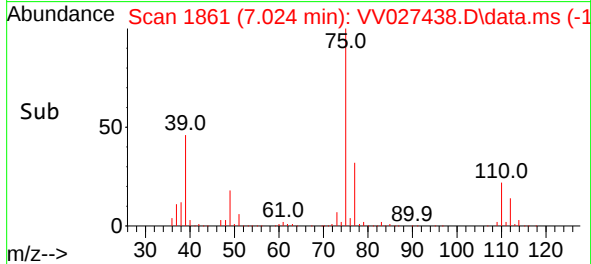
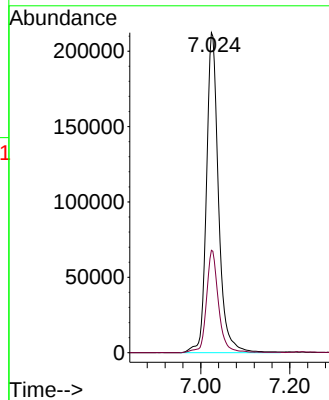
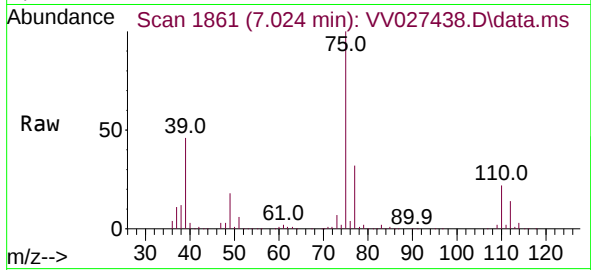
VSTD020217

Tgt Ion: 75 Resp: 398543

Ion Ratio Lower Upper

75 100

77 32.0 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 225.702 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

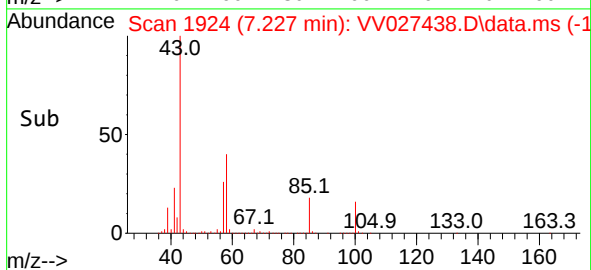
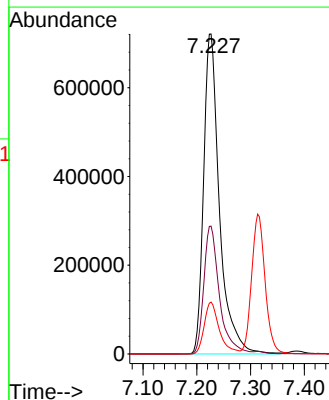
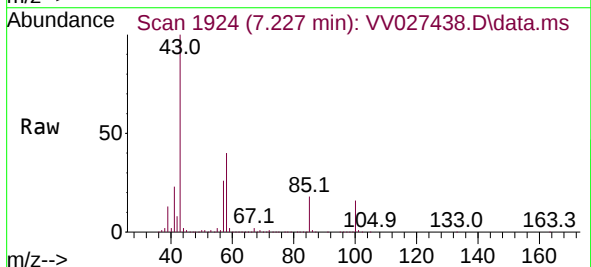
Tgt Ion: 43 Resp: 1474648

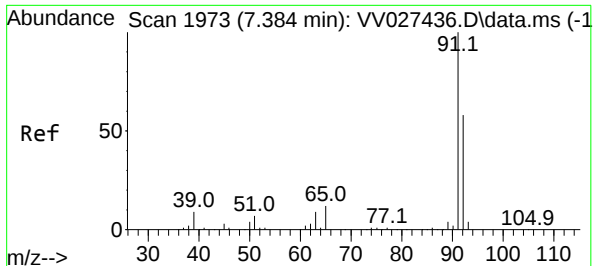
Ion Ratio Lower Upper

43 100

58 39.4 30.6 45.8

100 15.5 11.0 16.4





#42

Toluene

Concen: 23.302 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

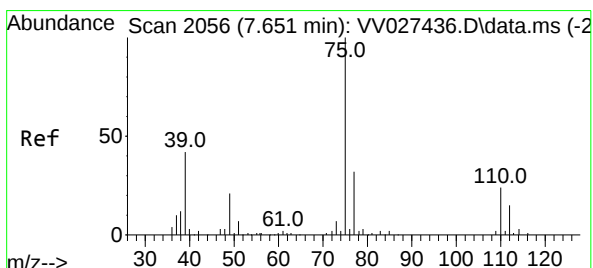
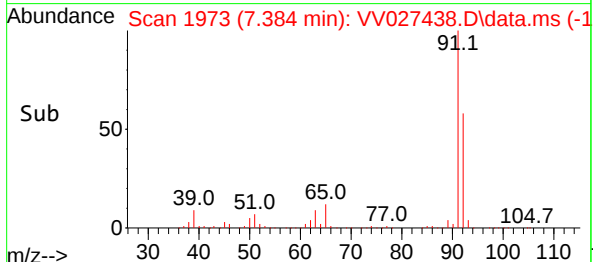
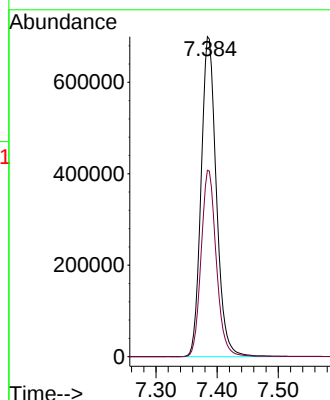
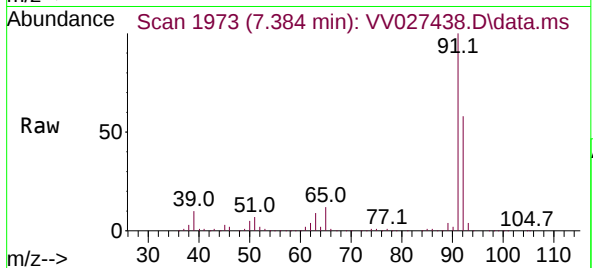
VSTD020217

Tgt Ion: 91 Resp: 1213473

Ion Ratio Lower Upper

91 100

92 58.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 23.672 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.003 min

Lab File: VV027438.D

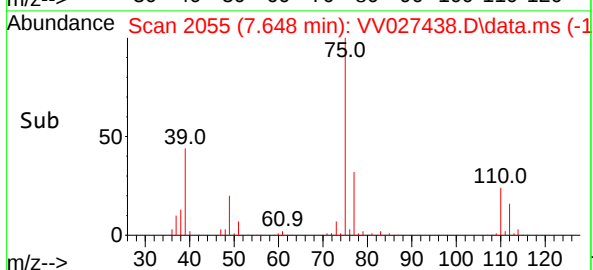
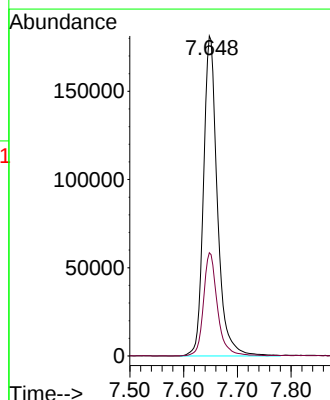
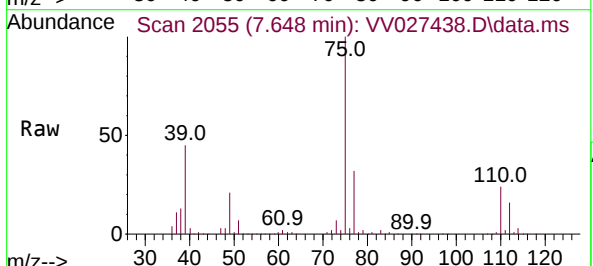
Acq: 19 Aug 2022 11:25

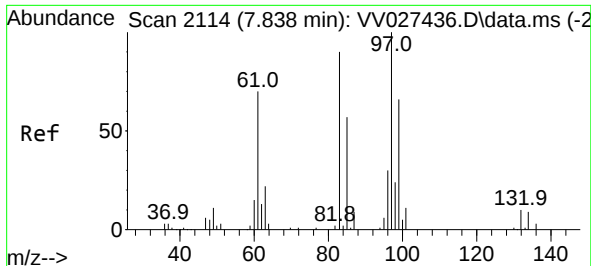
Tgt Ion: 75 Resp: 325413

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 20.225 ug/L

RT: 7.837 min Scan# 2114

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217

Tgt Ion: 97 Resp: 183492

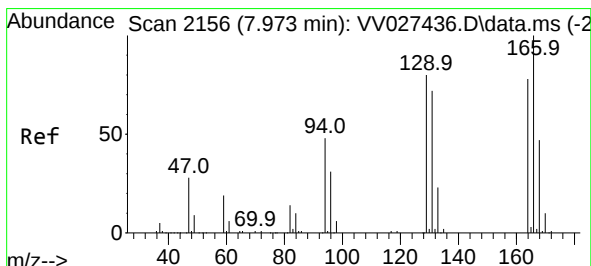
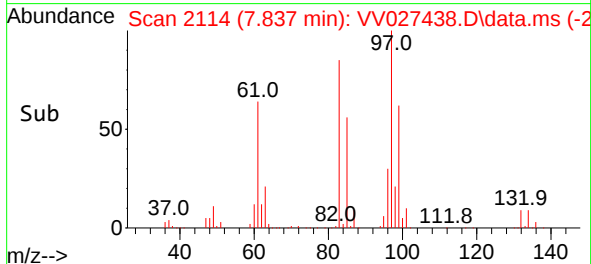
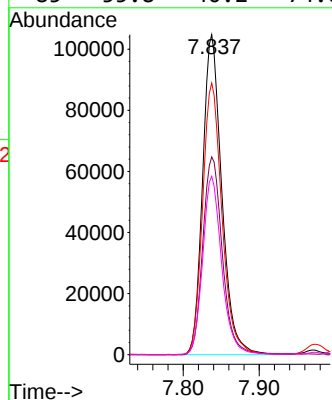
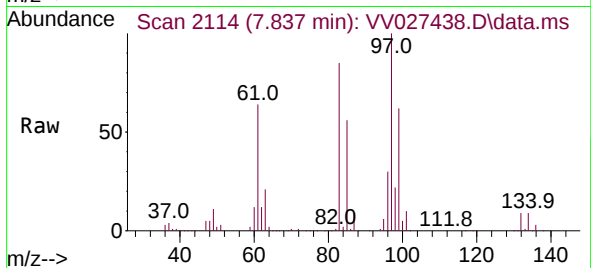
Ion Ratio Lower Upper

97 100

99 61.8 46.1 85.7

83 84.9 63.0 117.0

85 55.8 40.2 74.6



#47

Tetrachloroethene

Concen: 21.944 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Tgt Ion:164 Resp: 224721

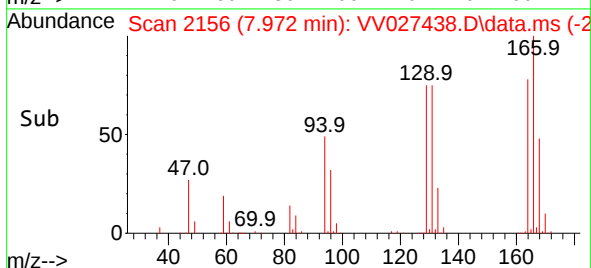
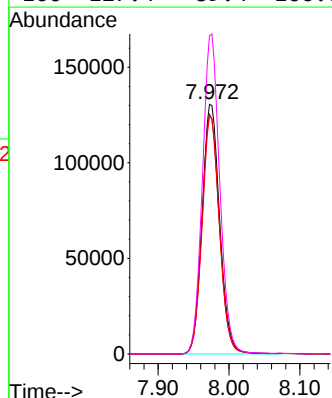
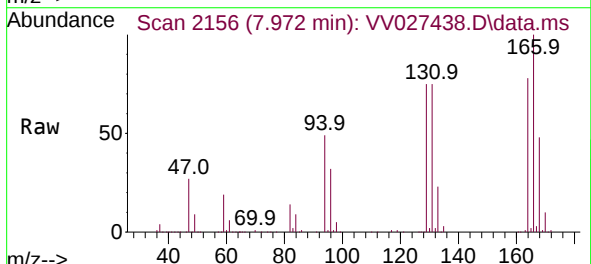
Ion Ratio Lower Upper

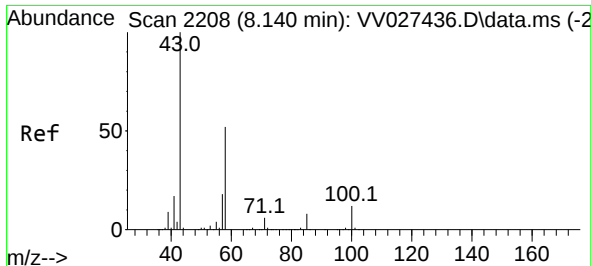
164 100

129 96.0 71.1 132.1

131 95.2 64.5 119.9

166 127.4 89.4 166.0

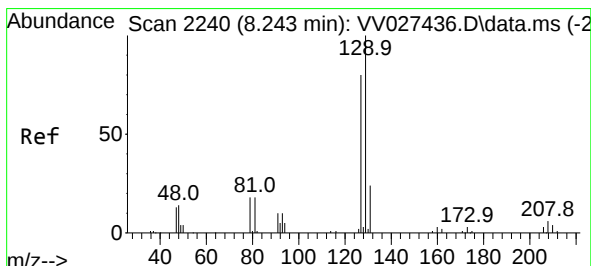
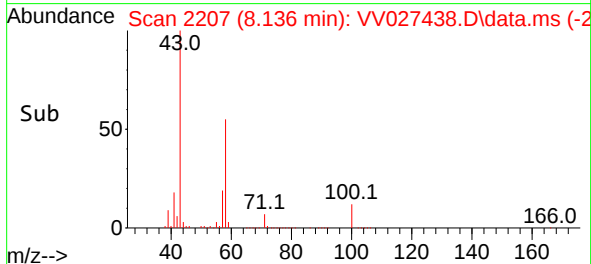
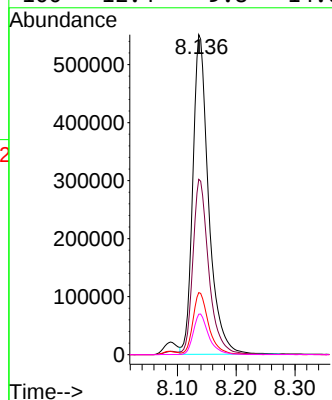
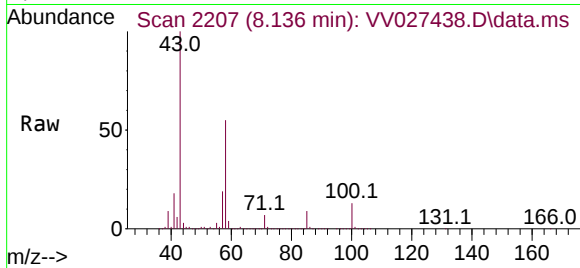




#48
2-Hexanone
Concen: 219.015 ug/L
RT: 8.136 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

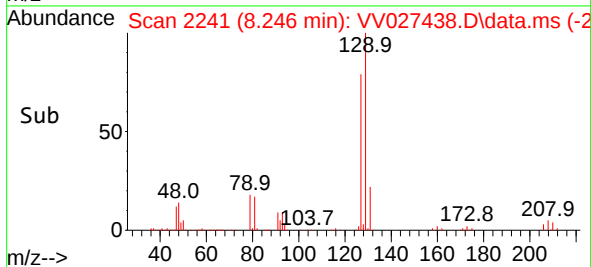
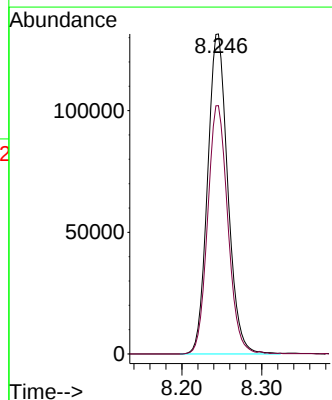
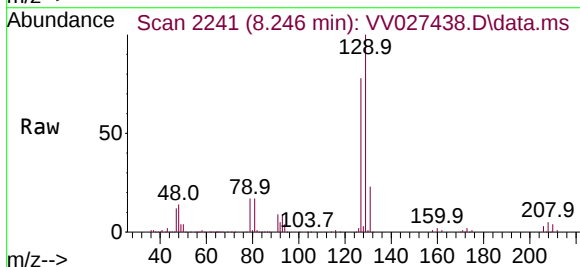
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

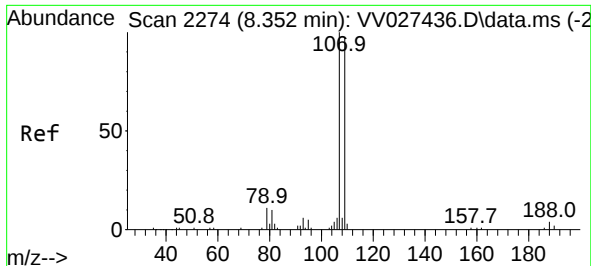
Tgt Ion: 43 Resp: 1028201
Ion Ratio Lower Upper
43 100
58 55.1 41.3 61.9
57 19.4 14.9 22.3
100 12.4 9.8 14.6



#49
Dibromochloromethane
Concen: 21.445 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.003 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion:129 Resp: 230919
Ion Ratio Lower Upper
129 100
127 77.6 55.9 103.7





#50

1,2-Dibromoethane

Concen: 20.587 ug/L

RT: 8.349 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217

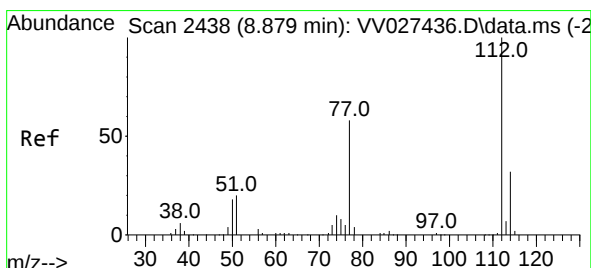
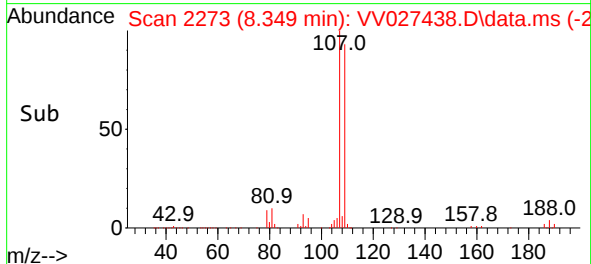
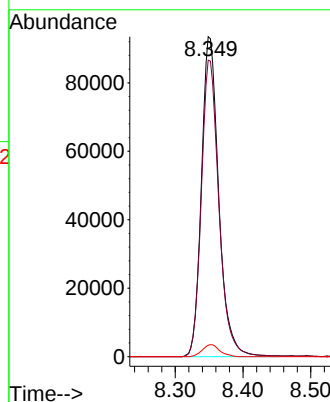
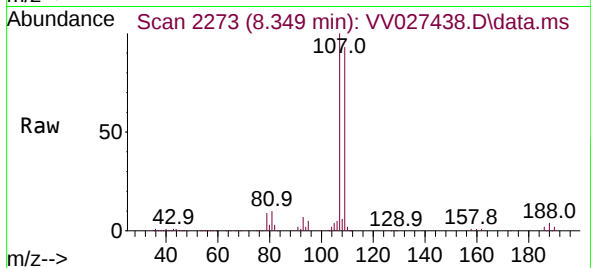
Tgt Ion:107 Resp: 165742

Ion Ratio Lower Upper

107 100

109 92.6 67.8 125.8

188 3.6 3.5 5.3



#51

Chlorobenzene

Concen: 22.150 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

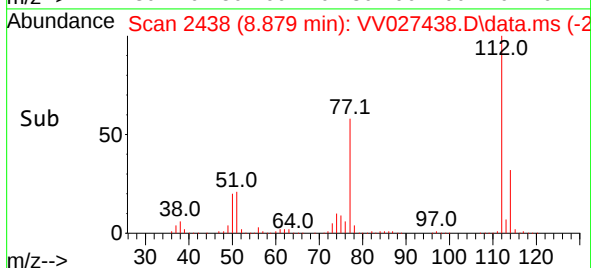
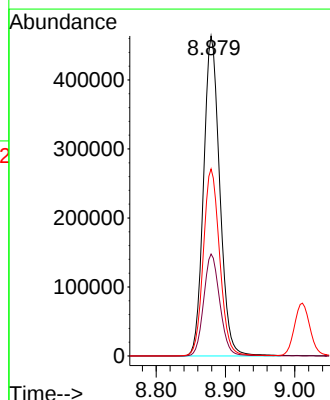
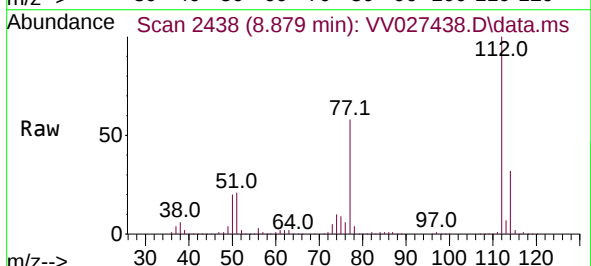
Tgt Ion:112 Resp: 751956

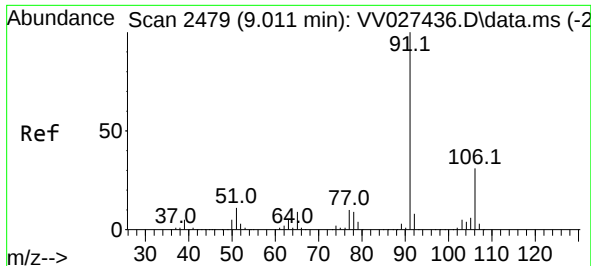
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.1

77 58.5 46.2 69.4

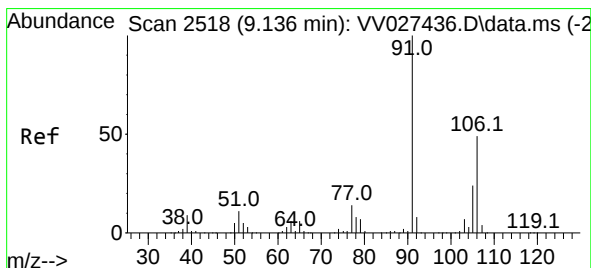
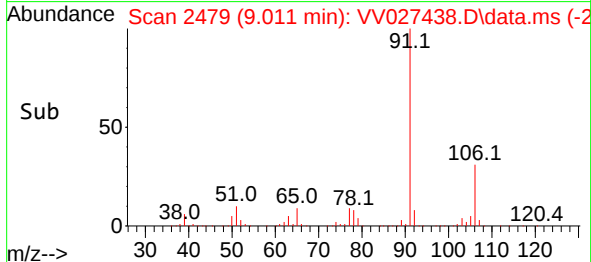
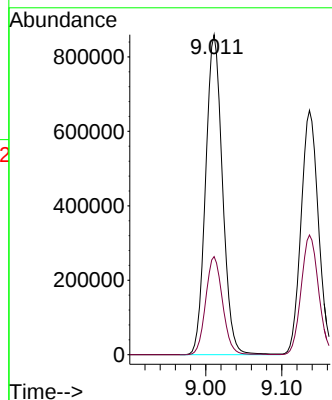
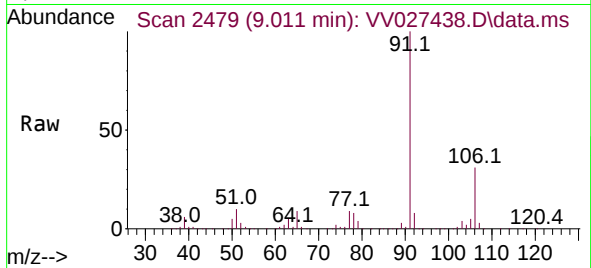




#52
Ethylbenzene
Concen: 25.372 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

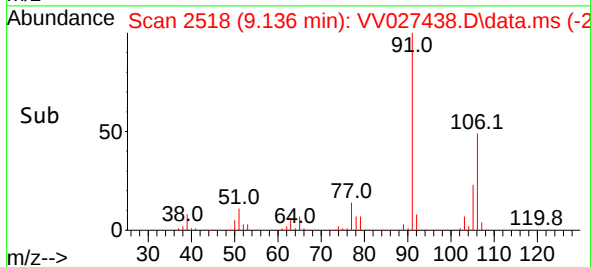
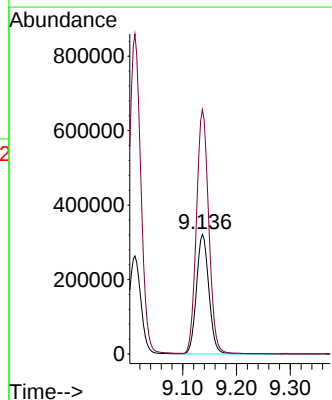
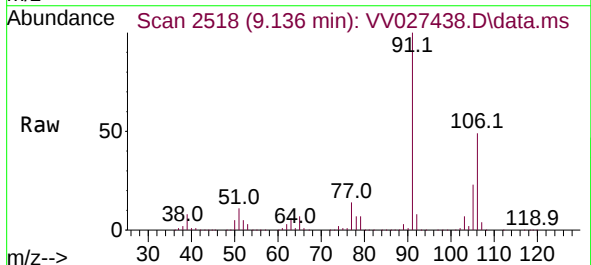
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

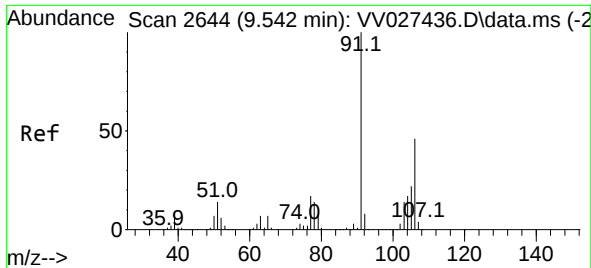
Tgt Ion: 91 Resp: 1322572
Ion Ratio Lower Upper
91 100
106 30.7 21.4 39.8



#53
m,p-Xylene
Concen: 25.892 ug/L
RT: 9.136 min Scan# 2518
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 106 Resp: 515618
Ion Ratio Lower Upper
106 100
91 204.1 143.8 267.0

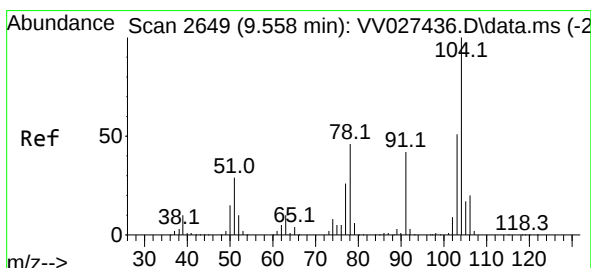
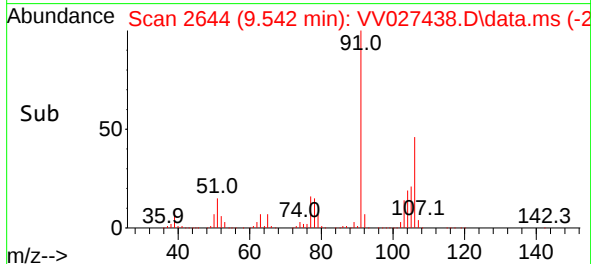
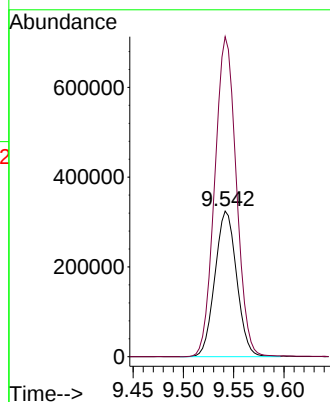
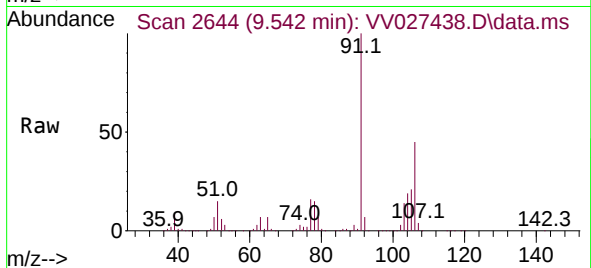




#54
o-Xylene
Concen: 25.005 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

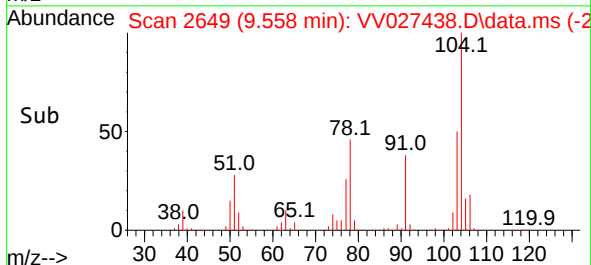
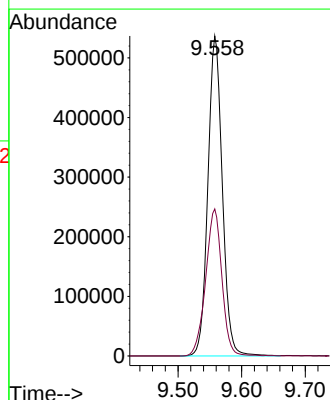
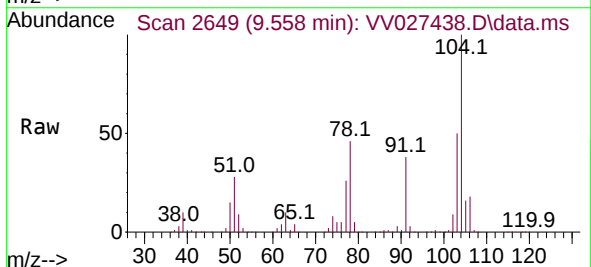
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

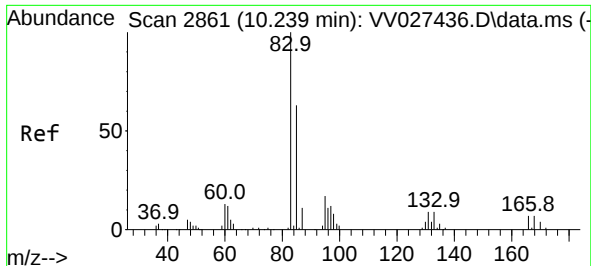
Tgt Ion:106 Resp: 488276
Ion Ratio Lower Upper
106 100
91 219.8 151.6 281.6



#55
Styrene
Concen: 25.351 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion:104 Resp: 845793
Ion Ratio Lower Upper
104 100
78 46.0 32.0 59.4





#57

1,1,2,2-Tetrachloroethane

Concen: 20.321 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217

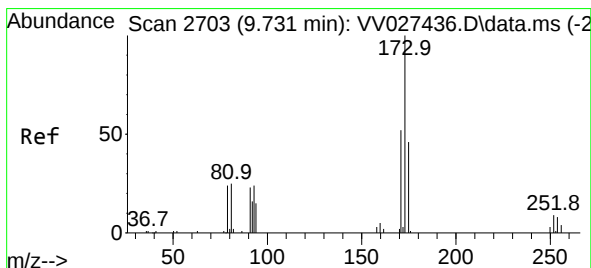
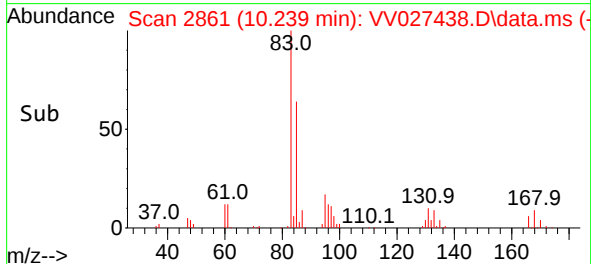
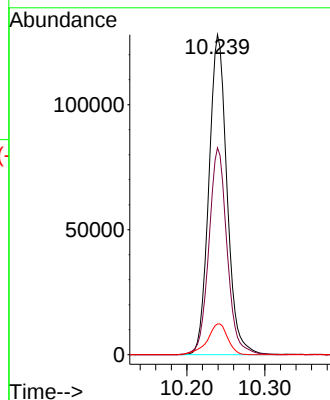
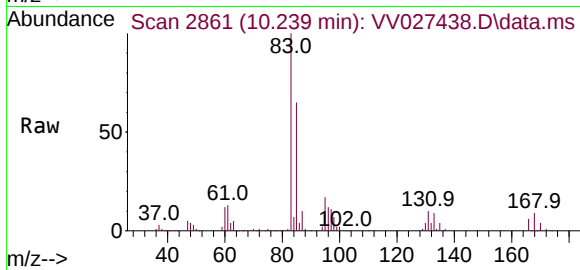
Tgt Ion: 83 Resp: 206195

Ion Ratio Lower Upper

83 100

85 64.6 44.1 81.9

131 9.6 7.3 10.9



#59

Bromoform

Concen: 20.462 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

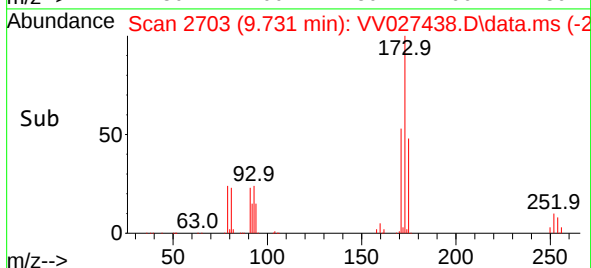
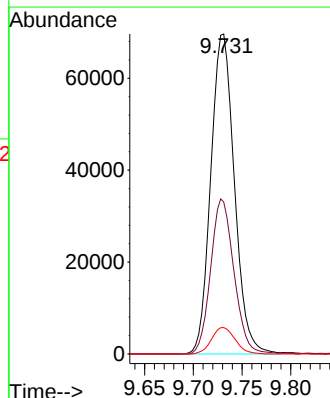
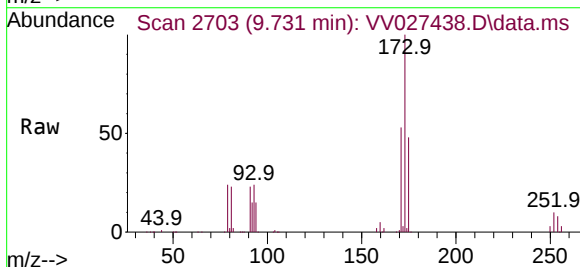
Tgt Ion: 173 Resp: 117333

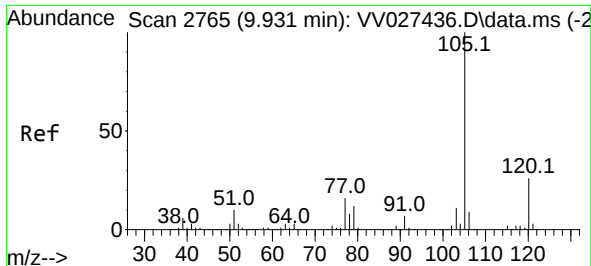
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.6

254 8.2 7.1 10.7

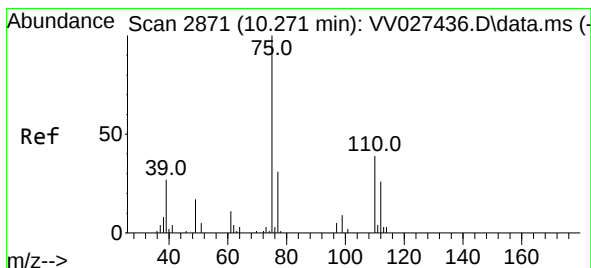
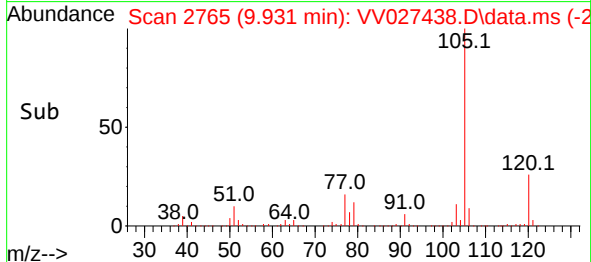
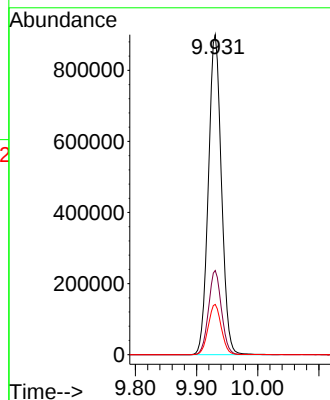
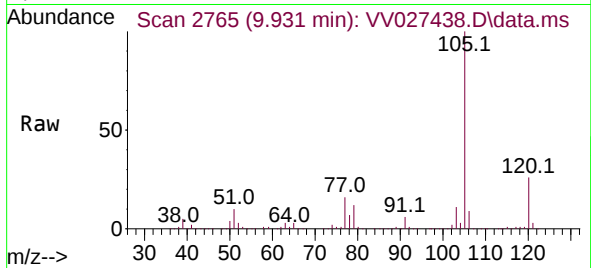




#60
Isopropylbenzene
Concen: 24.700 ug/L
RT: 9.931 min Scan# 2765
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

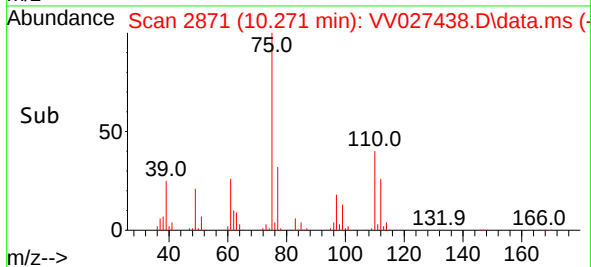
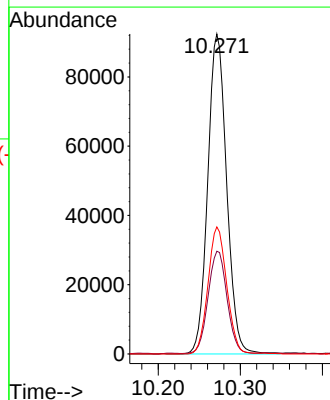
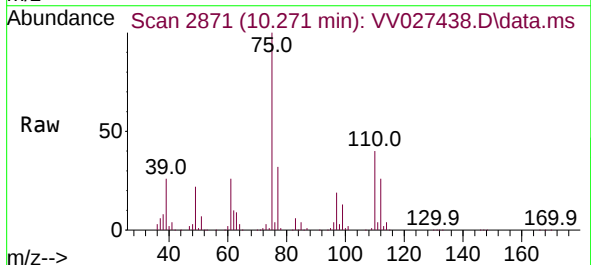
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

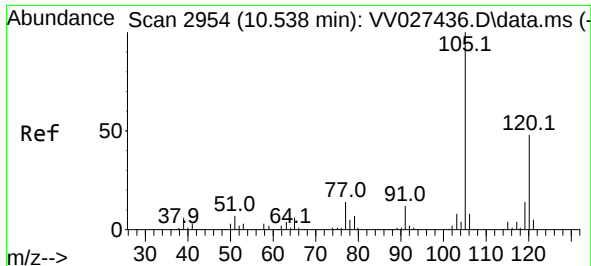
Tgt Ion:105 Resp: 1333352
Ion Ratio Lower Upper
105 100
120 26.2 20.9 31.3
77 15.8 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 18.127 ug/L
RT: 10.271 min Scan# 2871
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 75 Resp: 147567
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
110 39.4 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 24.997 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

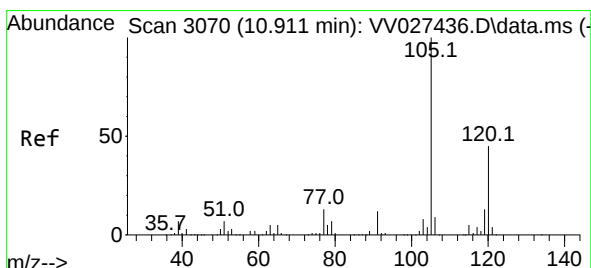
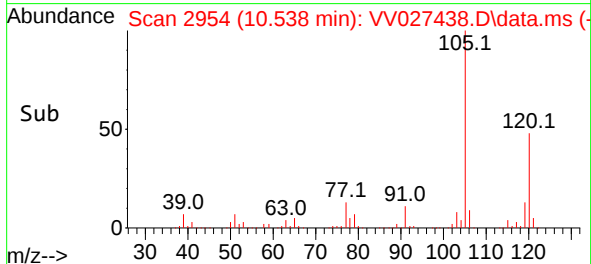
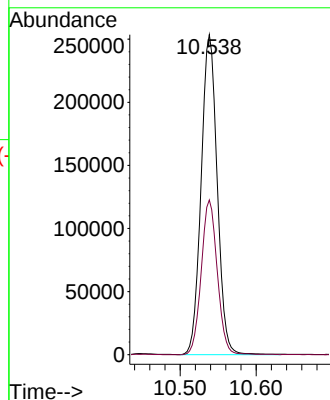
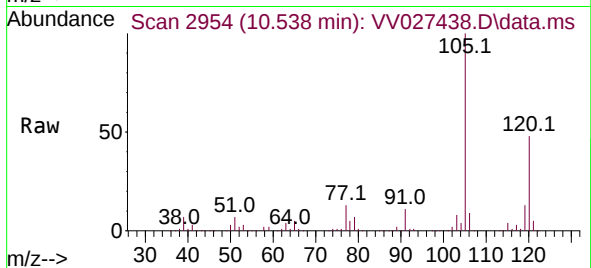
VSTD020217

Tgt Ion:105 Resp: 372464

Ion Ratio Lower Upper

105 100

120 48.2 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 26.617 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.000 min

Lab File: VV027438.D

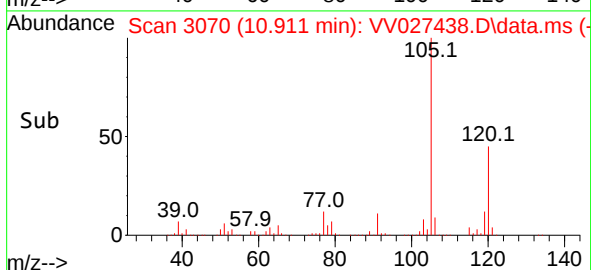
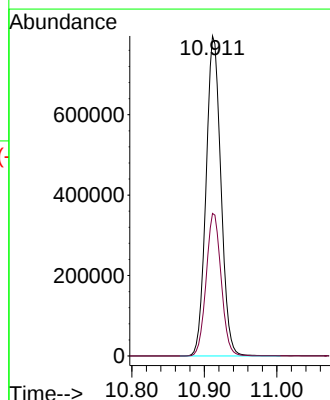
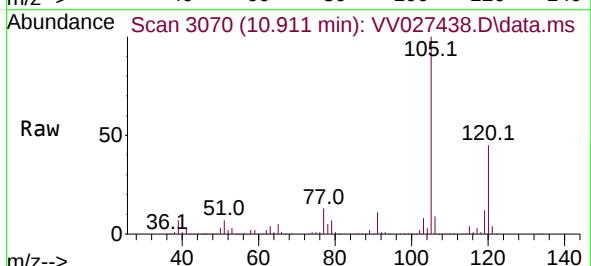
Acq: 19 Aug 2022 11:25

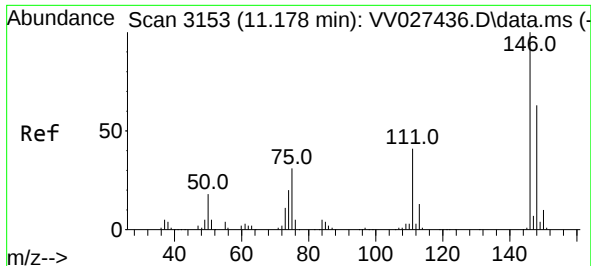
Tgt Ion:105 Resp: 1133765

Ion Ratio Lower Upper

105 100

120 44.9 35.8 53.6

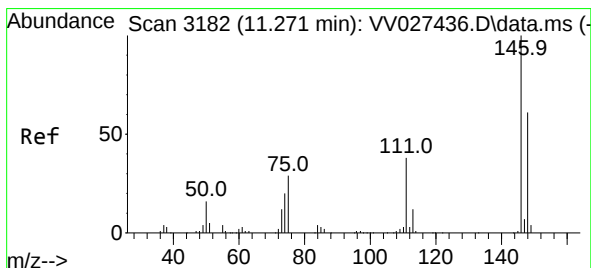
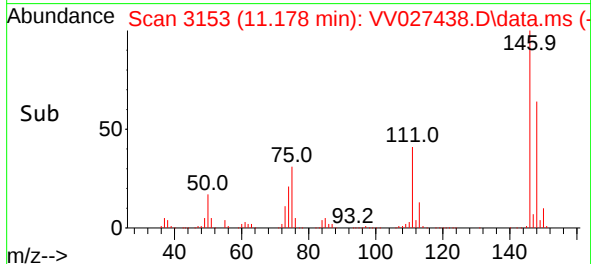
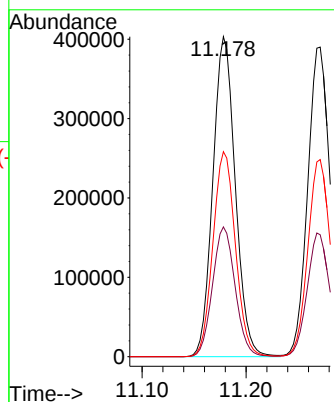
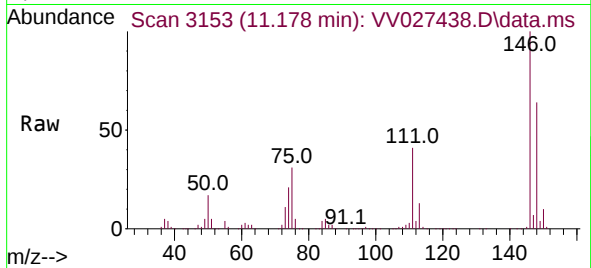




#64
1,3-Dichlorobenzene
Concen: 22.327 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

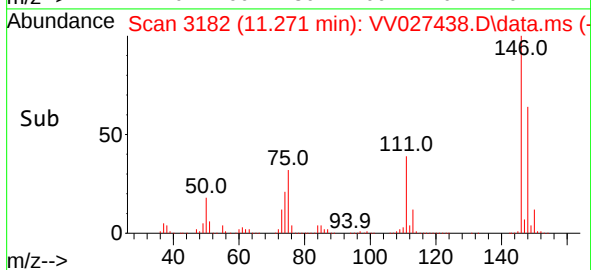
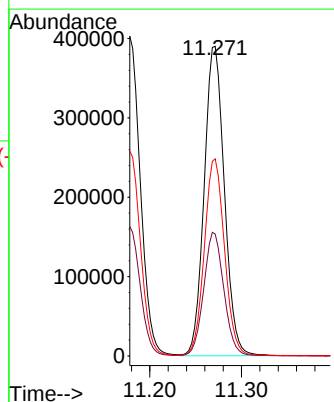
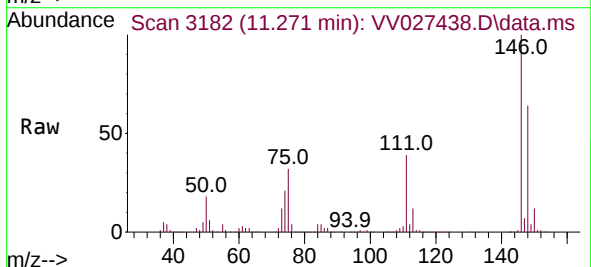
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

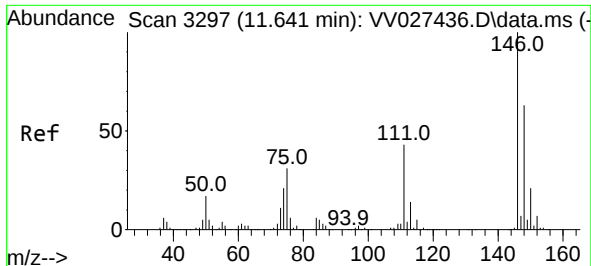
Tgt Ion:146 Resp: 605170
Ion Ratio Lower Upper
146 100
111 40.5 28.8 53.4
148 64.1 44.0 81.6



#65
1,4-Dichlorobenzene
Concen: 22.102 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion:146 Resp: 596923
Ion Ratio Lower Upper
146 100
111 39.4 26.6 49.4
148 63.7 42.6 79.0

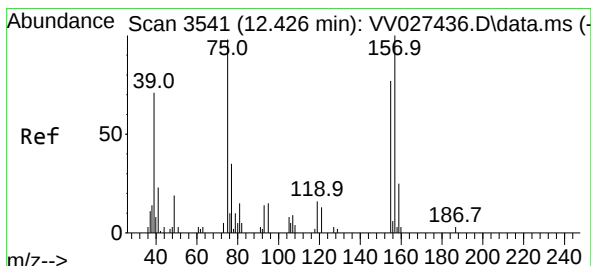
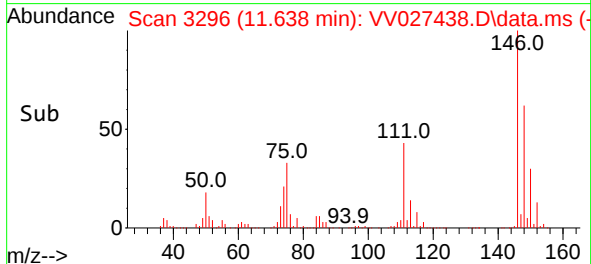
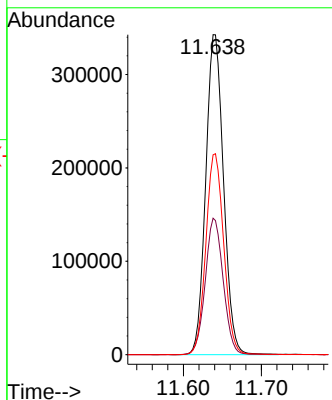
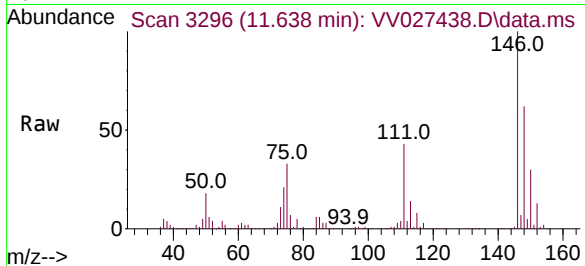




#67
1,2-Dichlorobenzene
Concen: 21.801 ug/L
RT: 11.638 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

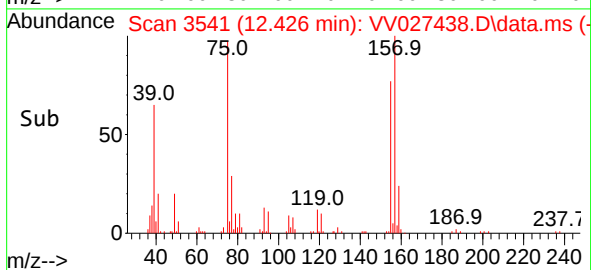
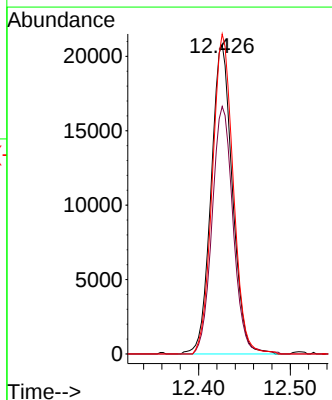
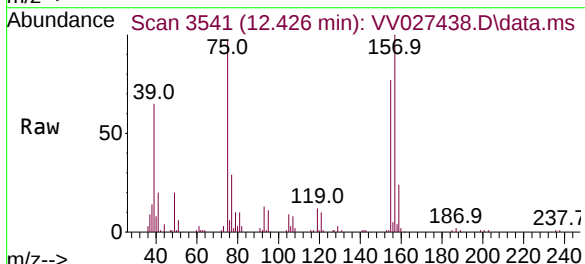
Instrument :
MSVOA_V
ClientSampleId :
VSTD020217

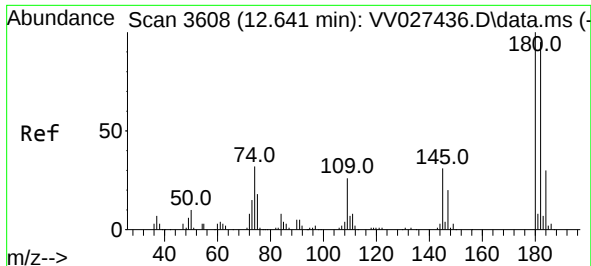
Tgt Ion:146 Resp: 543375
Ion Ratio Lower Upper
146 100
111 42.7 34.5 51.7
148 62.5 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 19.972 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. -0.000 min
Lab File: VV027438.D
Acq: 19 Aug 2022 11:25

Tgt Ion: 75 Resp: 33640
Ion Ratio Lower Upper
75 100
155 80.0 63.1 94.7
157 103.4 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 23.825 ug/L

RT: 12.641 min Scan# 3608

Delta R.T. -0.000 min

Lab File: VV027438.D

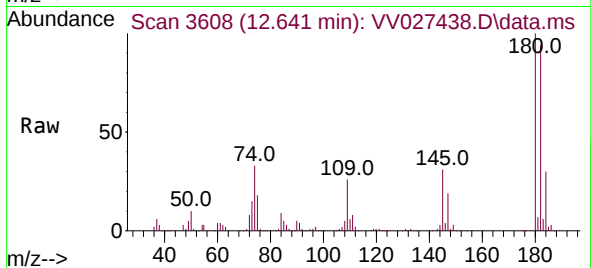
Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217



Tgt Ion:180 Resp: 466119

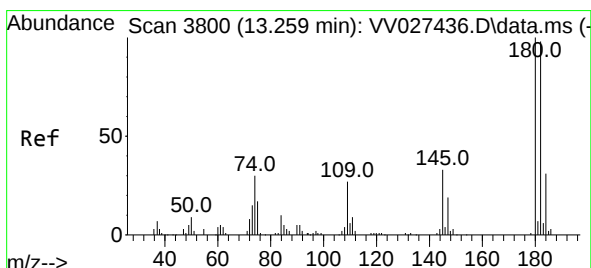
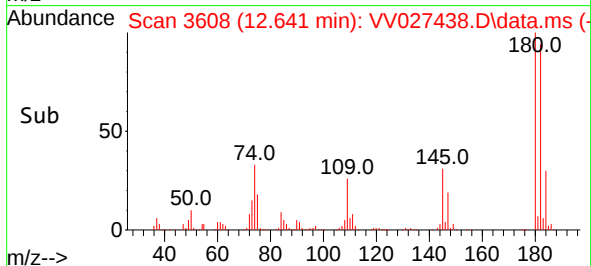
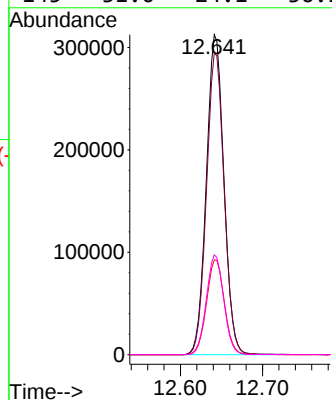
Ion Ratio Lower Upper

180 100

182 94.4 74.1 111.1

184 30.0 23.2 34.8

145 31.0 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 24.997 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

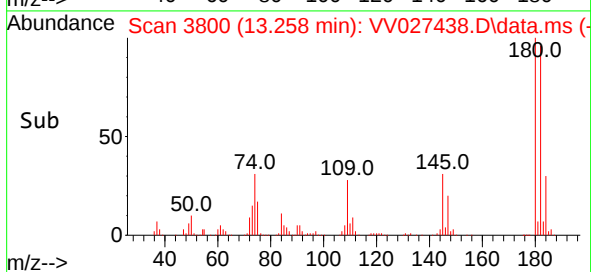
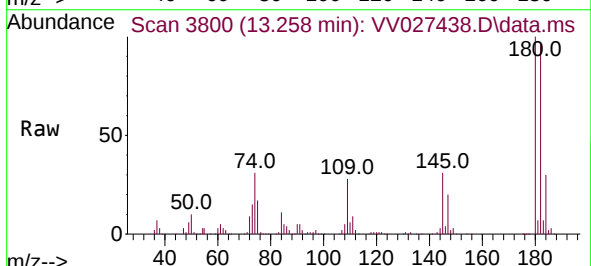
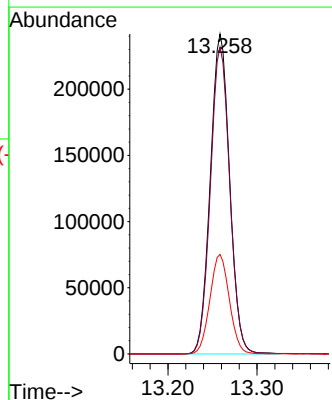
Tgt Ion:180 Resp: 364384

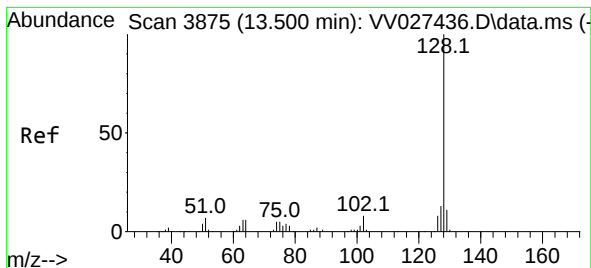
Ion Ratio Lower Upper

180 100

182 95.9 76.0 114.0

145 31.2 24.9 37.3





#71

Naphthalene

Concen: 25.027 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Instrument :

MSVOA_V

ClientSampleId :

VSTD020217

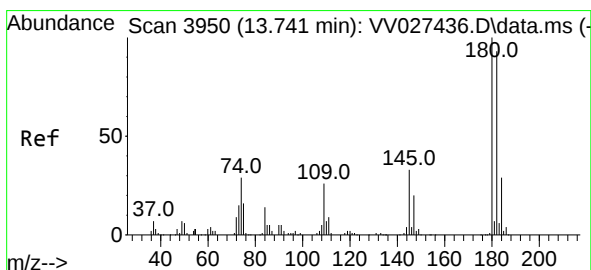
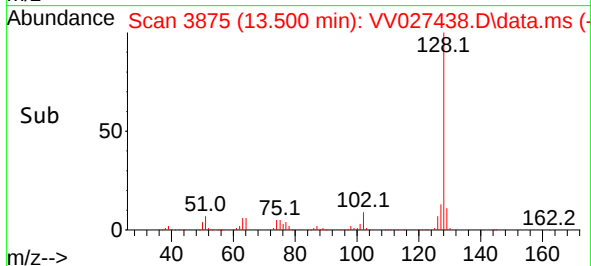
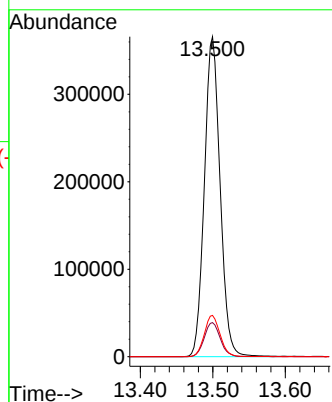
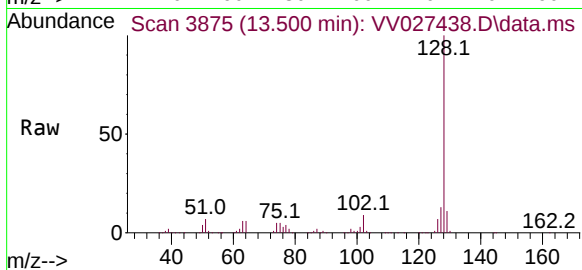
Tgt Ion:128 Resp: 550987

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 12.9 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 24.411 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV027438.D

Acq: 19 Aug 2022 11:25

Tgt Ion:180 Resp: 327744

Ion Ratio Lower Upper

180 100

182 95.0 75.3 112.9

145 33.4 26.6 39.8

