

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052722\
 Data File : VW025971.D
 Acq On : 27 May 2022 11:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050297

Quant Time: May 27 22:29:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 27 01:28:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	335353	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	337577	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	192429	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	164333	37.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.940%
7) Chloroethane-d5	1.568	69	134527	35.394	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.780%
11) 1,1-Dichloroethene-d2	2.108	63	314356	41.529	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.060%
21) 2-Butanone-d5	3.899	46	140151	75.551	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	75.550%
24) Chloroform-d	4.346	84	269215	44.534	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.060%
26) 1,2-Dichloroethane-d4	5.027	65	159277	43.596	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.200%
32) Benzene-d6	5.047	84	538183	45.731	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.460%
36) 1,2-Dichloropropane-d6	6.066	67	165789	45.867	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.740%
41) Toluene-d8	7.314	98	503564	46.441	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.880%
43) trans-1,3-Dichloroprop...	7.619	79	73813	45.747	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.500%
47) 2-Hexanone-d5	8.088	63	122009	92.070	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.070%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	234162	48.579	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.160%
66) 1,2-Dichlorobenzene-d4	11.622	152	192303	45.558	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.130	85	161524	46.586	ug/L	100
3) Chloromethane	1.240	50	181073	43.181	ug/L	100
5) Vinyl chloride	1.311	62	196504	46.093	ug/L	98
6) Bromomethane	1.523	94	113674	43.881	ug/L	99
8) Chloroethane	1.584	64	126000	39.575	ug/L	99
9) Trichlorofluoromethane	1.754	101	279782	46.180	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	163052	50.655	ug/L	99
12) 1,1-Dichloroethene	2.118	96	149755	47.302	ug/L	93
13) Acetone	2.192	43	134854	106.529	ug/L	94
14) Carbon disulfide	2.291	76	360577	46.046	ug/L	99
15) Methyl Acetate	2.436	43	114755	42.313	ug/L	93
16) Methylene chloride	2.503	84	154455	50.368	ug/L	98
17) trans-1,2-Dichloroethene	2.757	96	136651	50.240	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	411133	51.972	ug/L	98
19) 1,1-Dichloroethane	3.188	63	263209	51.809	ug/L	99
20) cis-1,2-Dichloroethene	3.909	96	148025	50.418	ug/L	97
22) 2-Butanone	3.979	43	176861	104.764	ug/L	86
23) Bromochloromethane	4.243	128	79833	51.479	ug/L	97
25) Chloroform	4.372	83	271712	50.471	ug/L	98

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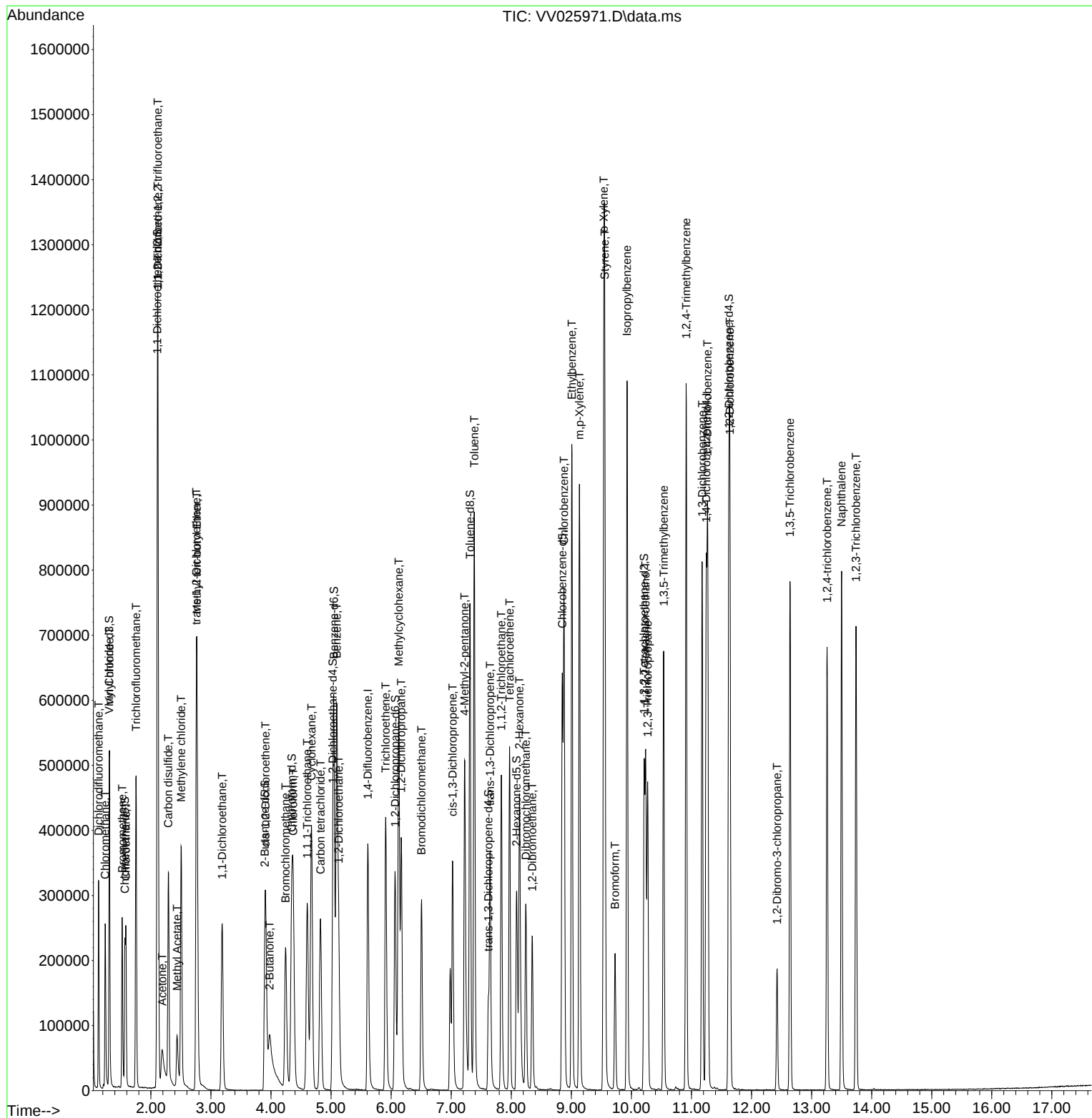
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	194861	47.875	ug/L	98
29) Cyclohexane	4.674	56	213826	52.320	ug/L	100
30) 1,1,1-Trichloroethane	4.603	97	234111	51.064	ug/L	98
31) Carbon tetrachloride	4.825	117	199526	51.838	ug/L	99
33) Benzene	5.095	78	593403	52.206	ug/L	100
34) Trichloroethene	5.908	95	148713	50.021	ug/L	98
35) Methylcyclohexane	6.127	83	239474	53.782	ug/L	99
37) 1,2-Dichloropropane	6.169	63	155889	54.595	ug/L	99
38) Bromodichloromethane	6.506	83	196844	50.979	ug/L	99
39) cis-1,3-Dichloropropene	7.024	75	218865	53.751	ug/L	99
40) 4-Methyl-2-pentanone	7.223	43	374546	112.218	ug/L	99
42) Toluene	7.384	91	646438	53.014	ug/L	100
44) trans-1,3-Dichloropropene	7.648	75	210896	53.836	ug/L	97
45) 1,1,2-Trichloroethane	7.834	97	152604	52.599	ug/L	100
46) Tetrachloroethene	7.973	164	115220	52.539	ug/L	95
48) 2-Hexanone	8.137	43	314092	120.947	ug/L	99
49) Dibromochloromethane	8.243	129	148610	51.930	ug/L	99
50) 1,2-Dibromoethane	8.349	107	156957	53.200	ug/L	98
51) Chlorobenzene	8.879	112	408916	52.370	ug/L	99
52) Ethylbenzene	9.008	91	680458	54.090	ug/L	100
53) m,p-Xylene	9.137	106	267338	54.787	ug/L	98
54) o-Xylene	9.542	106	258290	53.886	ug/L	100
55) Styrene	9.558	104	468170	56.055	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.236	83	247035	57.068	ug/L	100
59) Bromoform	9.728	173	90056	48.515	ug/L	99
60) Isopropylbenzene	9.928	105	690878	53.600	ug/L	100
61) 1,2,3-Trichloropropane	10.272	75	192293	50.486	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	359302	54.080	ug/L	100
63) 1,2,4-Trimethylbenzene	10.911	105	563202	54.636	ug/L	98
64) 1,3-Dichlorobenzene	11.178	146	327041	53.602	ug/L	99
65) 1,4-Dichlorobenzene	11.268	146	331780	51.890	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	328265	52.017	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.426	75	45920	52.221	ug/L	97
69) 1,3,5-Trichlorobenzene	12.641	180	228926	54.342	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	197580	55.078	ug/L	99
71) Naphthalene	13.500	128	607809	57.212	ug/L	100
72) 1,2,3-Trichlorobenzene	13.741	180	203279	55.607	ug/L	100

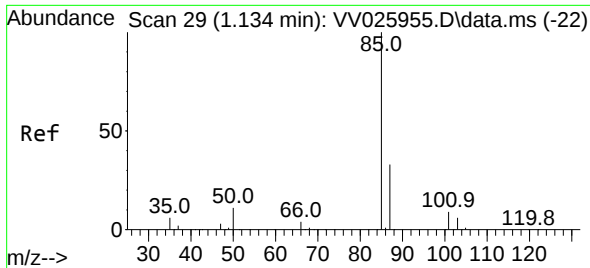
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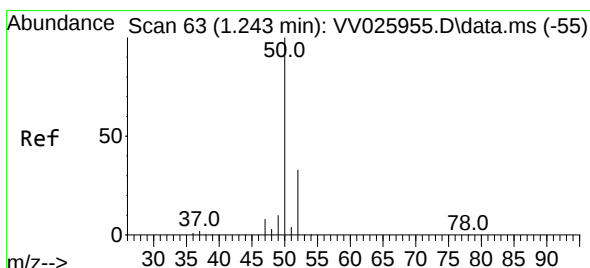
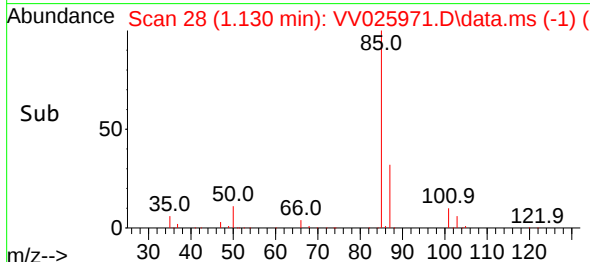
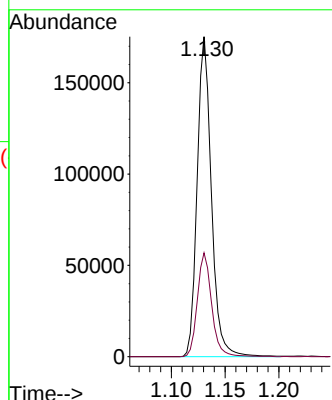
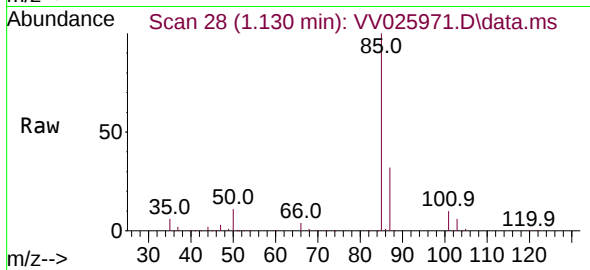




#2
 Dichlorodifluoromethane
 Concen: 46.586 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

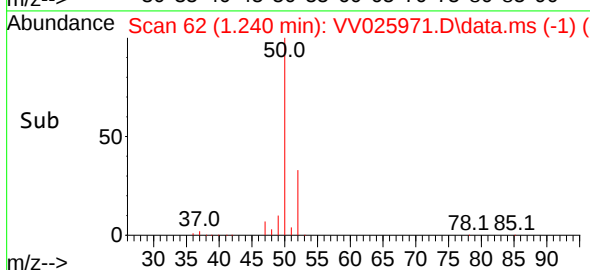
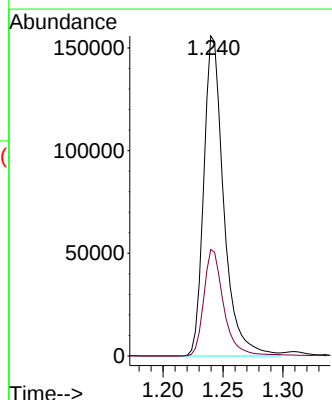
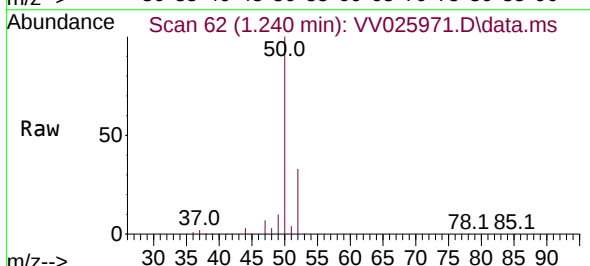
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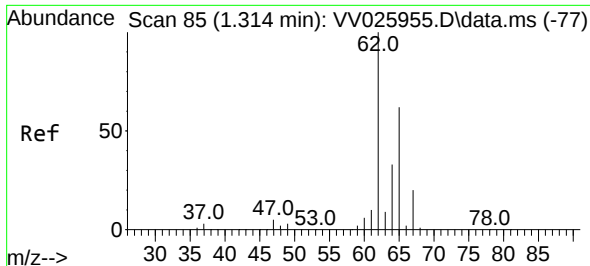
Tgt Ion: 85 Resp: 161524
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.0 39.0



#3
 Chloromethane
 Concen: 43.181 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.003 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

Tgt Ion: 50 Resp: 181073
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.2 43.2

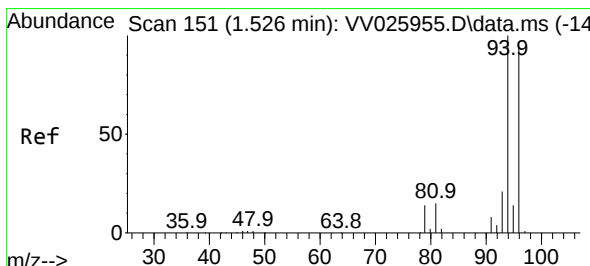
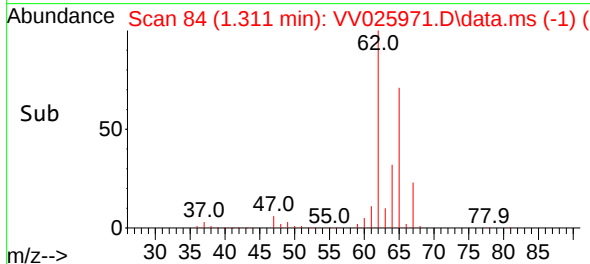
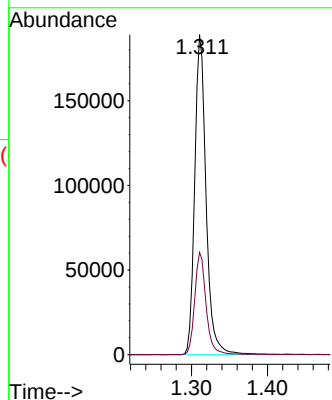
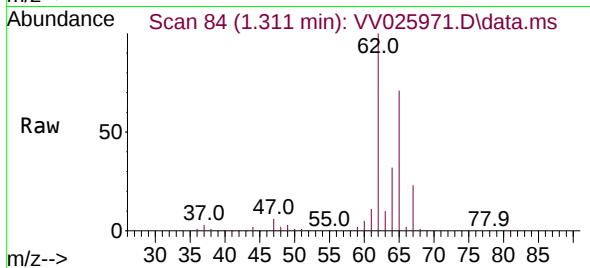




#5
 Vinyl chloride
 Concen: 46.093 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

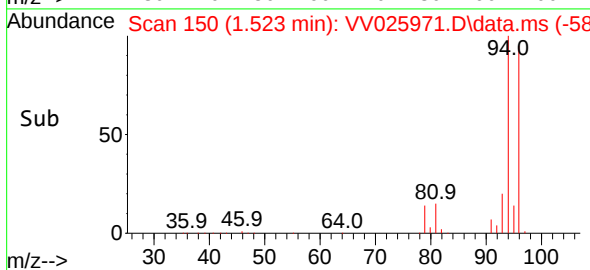
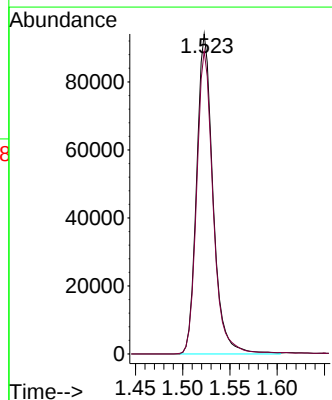
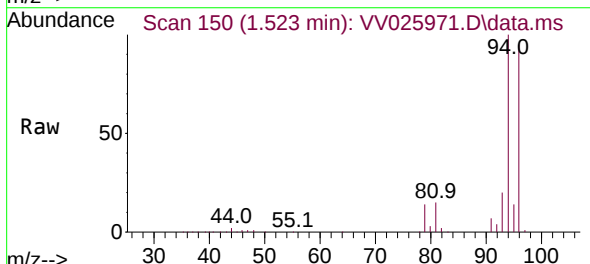
Instrument :
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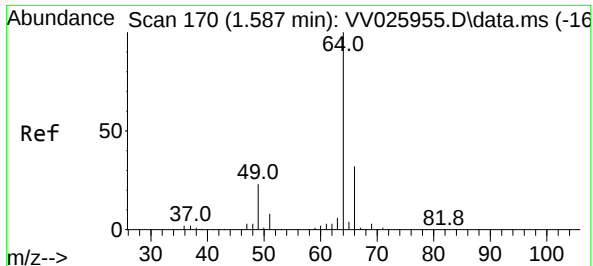
Tgt Ion: 62 Resp: 196504
 Ion Ratio Lower Upper
 62 100
 64 32.0 23.2 43.0



#6
 Bromomethane
 Concen: 43.881 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.003 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

Tgt Ion: 94 Resp: 113674
 Ion Ratio Lower Upper
 94 100
 96 94.7 65.9 122.3

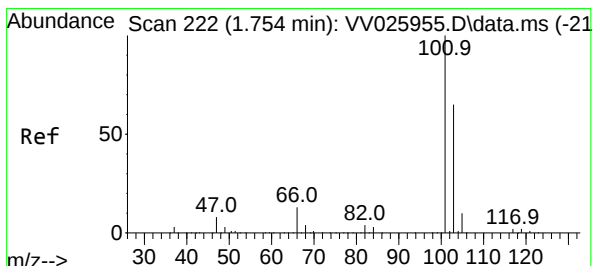
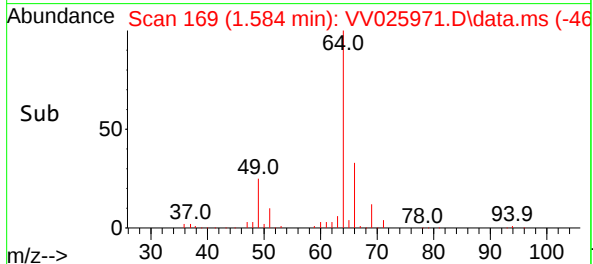
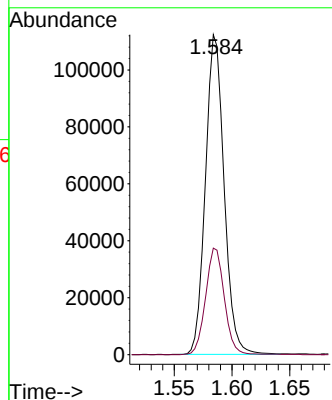
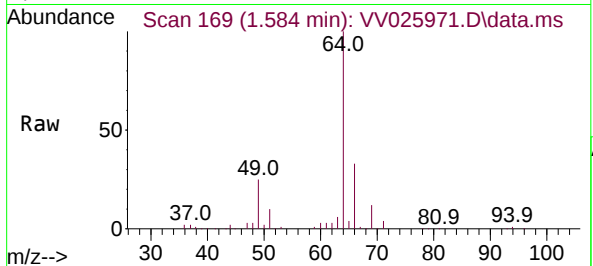




#8
Chloroethane
Concen: 39.575 ug/L
RT: 1.584 min Scan# 170
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

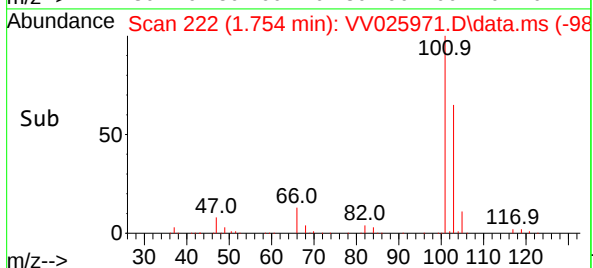
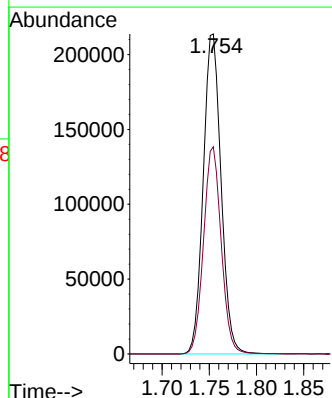
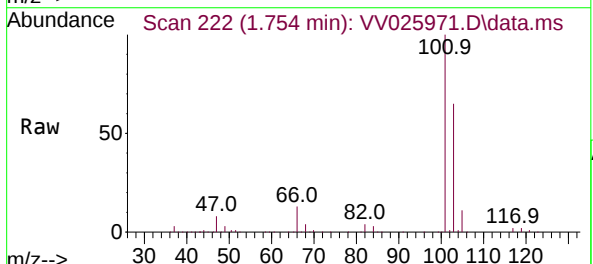
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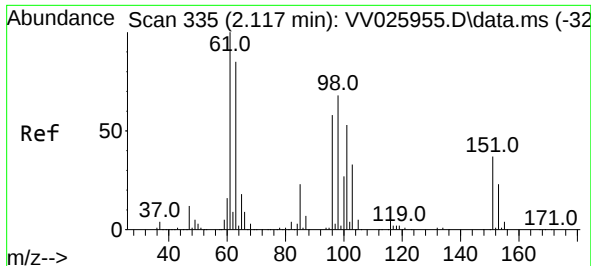
Tgt Ion: 64 Resp: 126000
Ion Ratio Lower Upper
64 100
66 33.3 22.9 42.5



#9
Trichlorofluoromethane
Concen: 46.180 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion:101 Resp: 279782
Ion Ratio Lower Upper
101 100
103 64.2 51.5 77.3

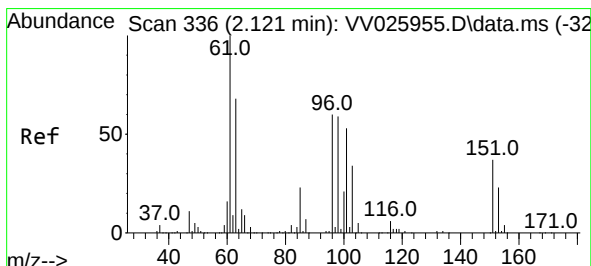
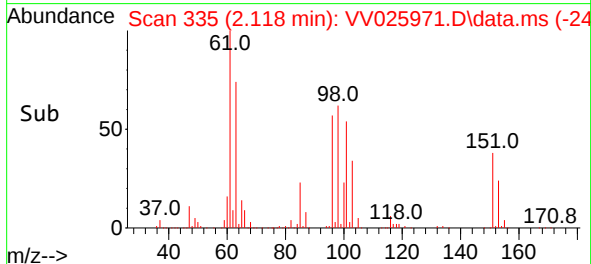
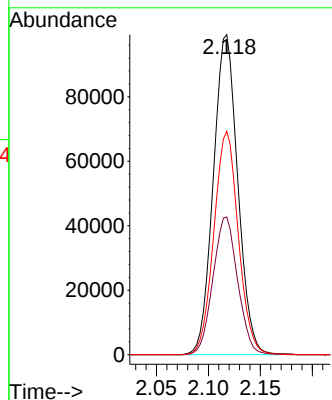
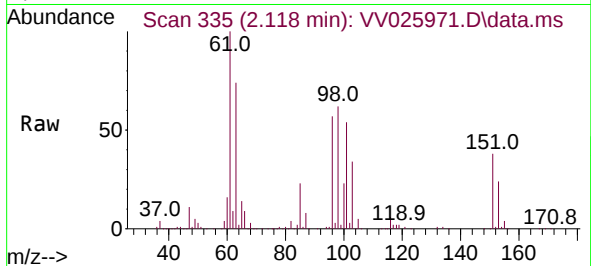




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.655 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. 0.000 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

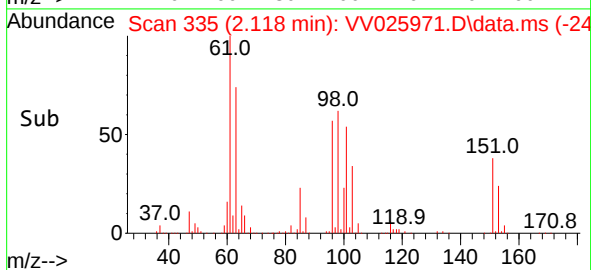
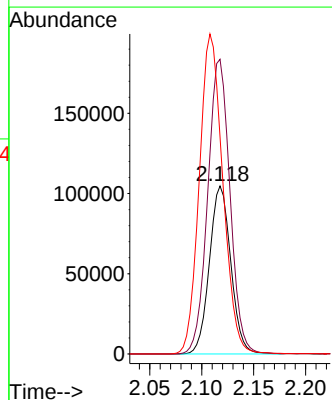
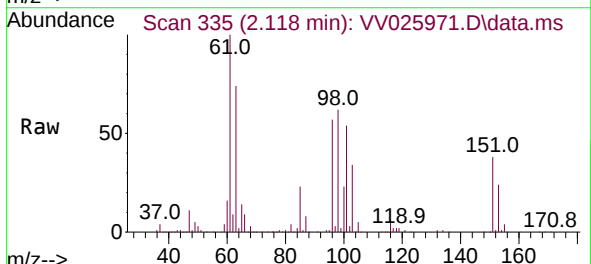
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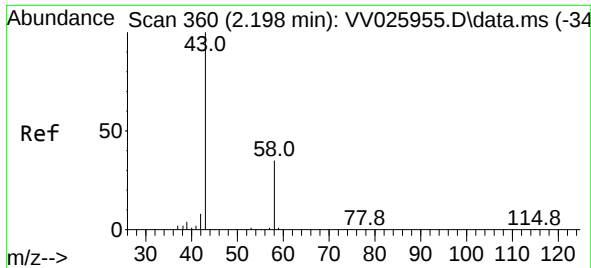
Tgt Ion:101 Resp: 163052
 Ion Ratio Lower Upper
 101 100
 85 43.3 34.6 51.8
 151 69.8 54.3 81.5



#12
 1,1-Dichloroethene
 Concen: 47.302 ug/L
 RT: 2.118 min Scan# 335
 Delta R.T. -0.003 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

Tgt Ion: 96 Resp: 149755
 Ion Ratio Lower Upper
 96 100
 61 175.5 124.6 231.4
 63 129.2 101.6 188.6

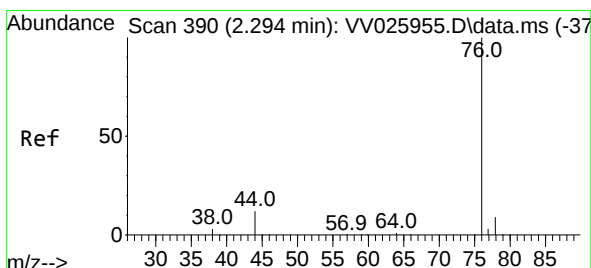
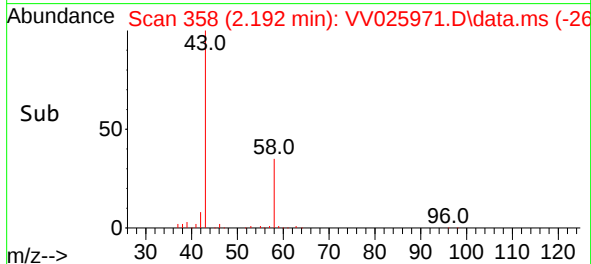
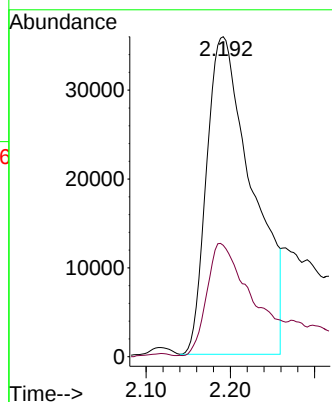
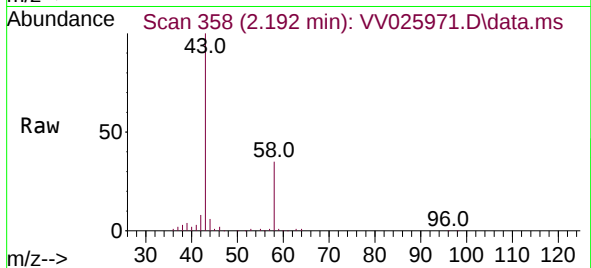




#13
Acetone
Concen: 106.529 ug/L
RT: 2.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

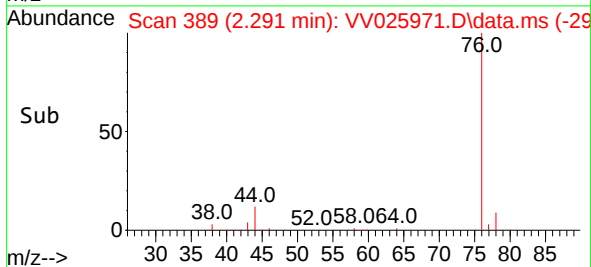
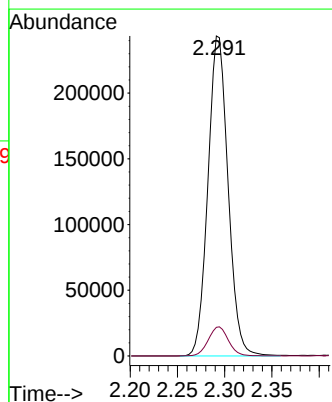
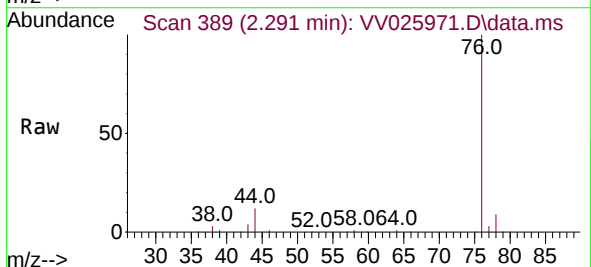
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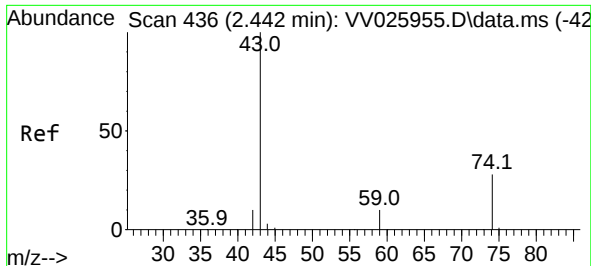
Tgt Ion: 43 Resp: 134854
Ion Ratio Lower Upper
43 100
58 28.9 0.0 65.0



#14
Carbon disulfide
Concen: 46.046 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 76 Resp: 360577
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0

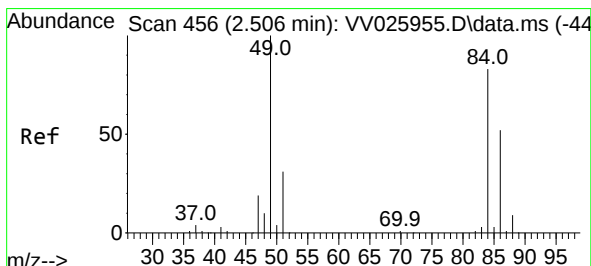
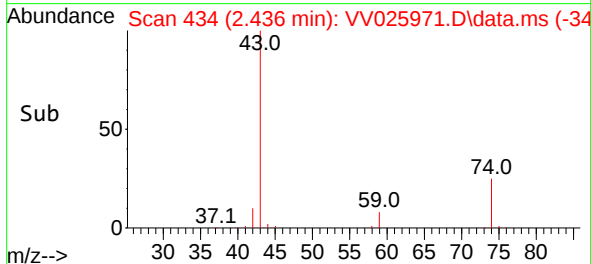
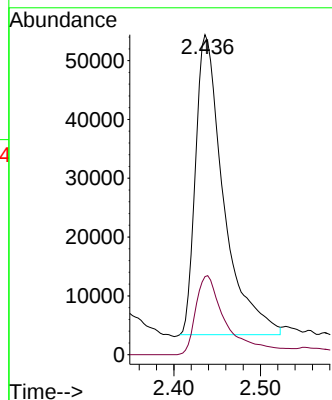
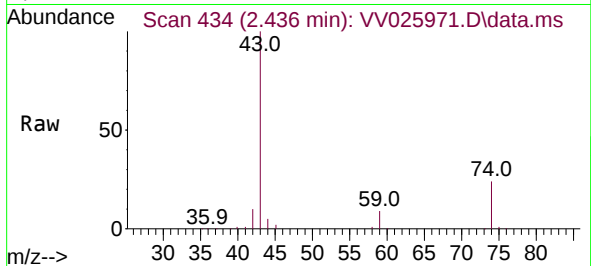




#15
Methyl Acetate
Concen: 42.313 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

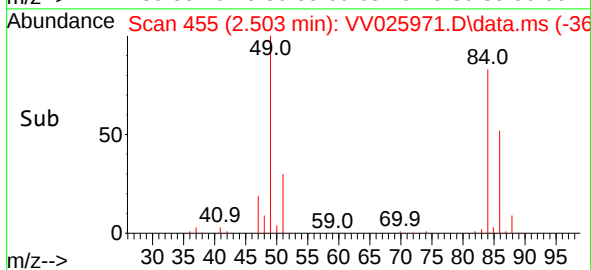
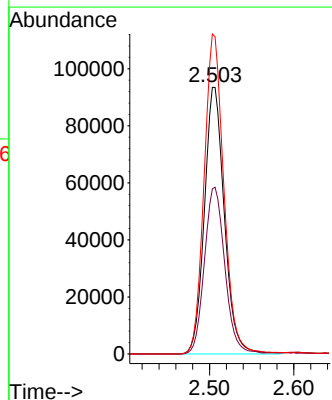
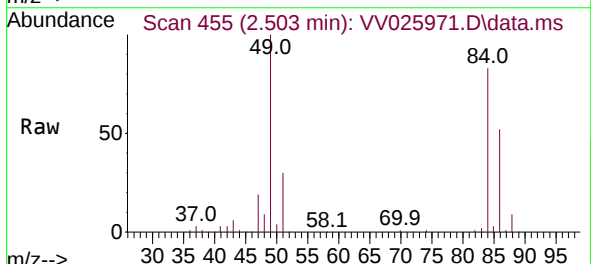
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

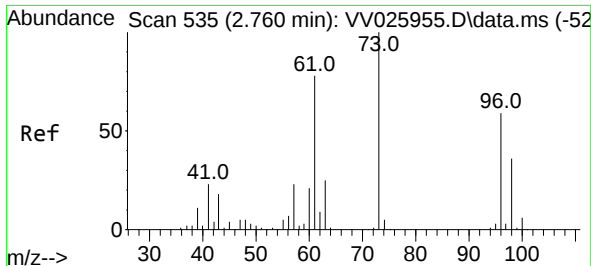
Tgt Ion: 43 Resp: 114755
Ion Ratio Lower Upper
43 100
74 29.7 20.7 31.1



#16
Methylene chloride
Concen: 50.368 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 84 Resp: 154455
Ion Ratio Lower Upper
84 100
86 62.0 44.2 82.0
49 120.0 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 50.240 ug/L

RT: 2.757 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

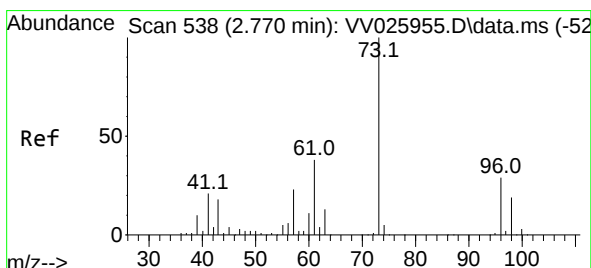
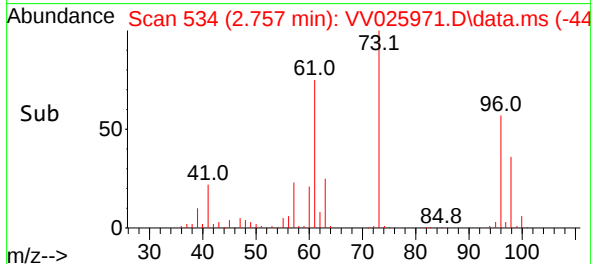
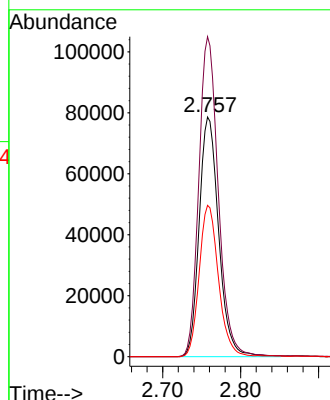
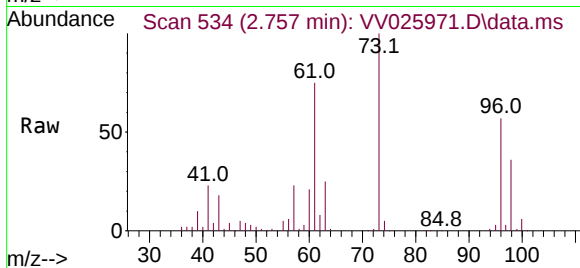
Tgt Ion: 96 Resp: 136651

Ion Ratio Lower Upper

96 100

61 133.5 92.7 172.1

98 63.1 43.1 80.1



#18

Methyl tert-butyl Ether

Concen: 51.972 ug/L

RT: 2.767 min Scan# 537

Delta R.T. -0.003 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

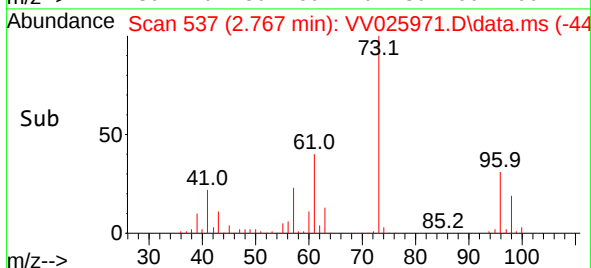
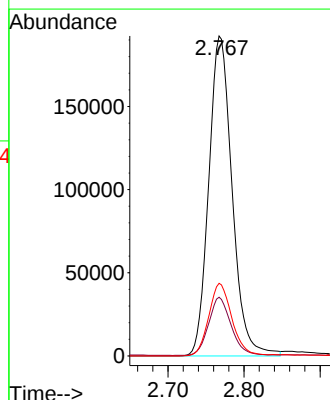
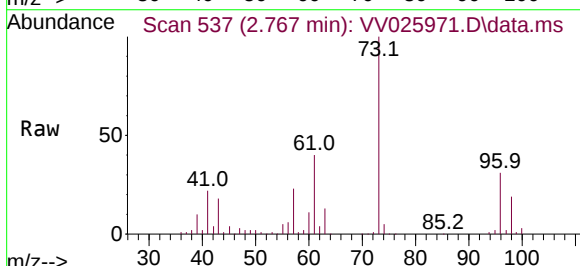
Tgt Ion: 73 Resp: 411133

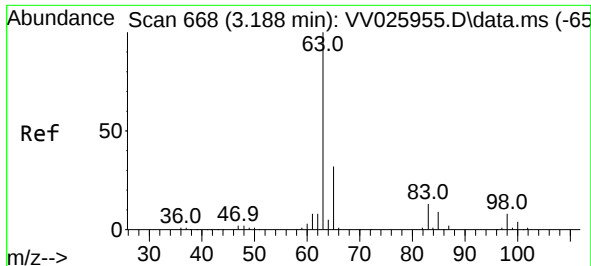
Ion Ratio Lower Upper

73 100

43 17.3 14.6 22.0

57 22.5 17.5 26.3





#19

1,1-Dichloroethane

Concen: 51.809 ug/L

RT: 3.188 min Scan# 668

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

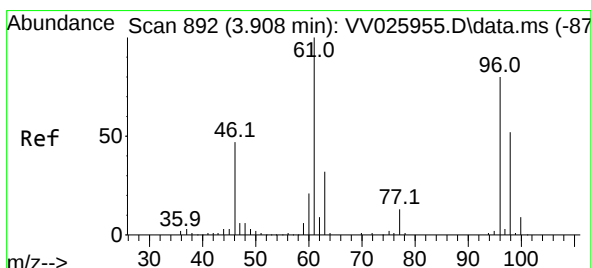
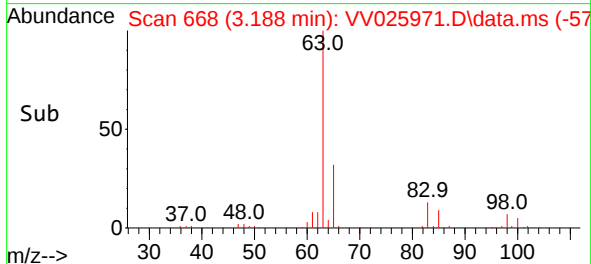
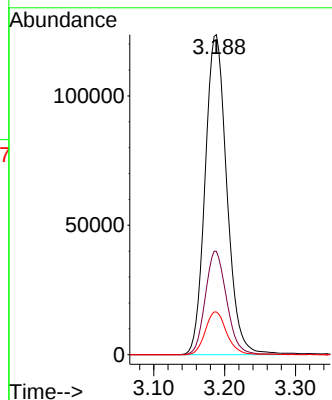
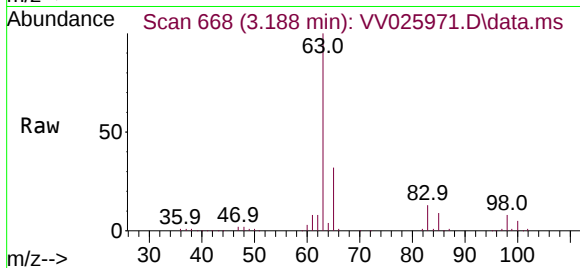
Tgt Ion: 63 Resp: 263209

Ion Ratio Lower Upper

63 100

65 32.3 22.0 40.8

83 13.3 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 50.418 ug/L

RT: 3.909 min Scan# 892

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

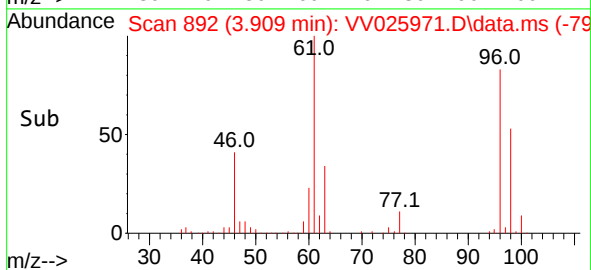
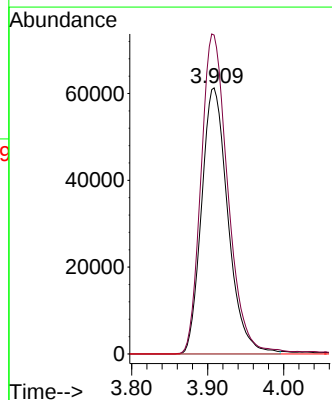
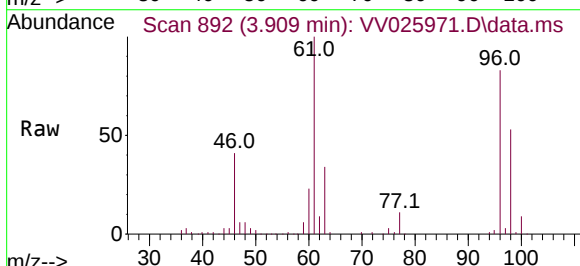
Tgt Ion: 96 Resp: 148025

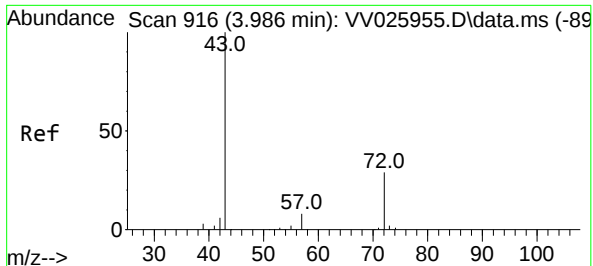
Ion Ratio Lower Upper

96 100

61 119.9 86.0 159.6

68 0.0 0.0 0.0

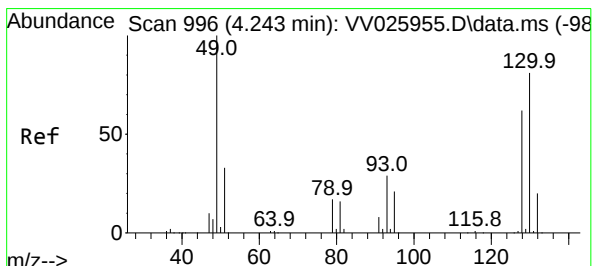
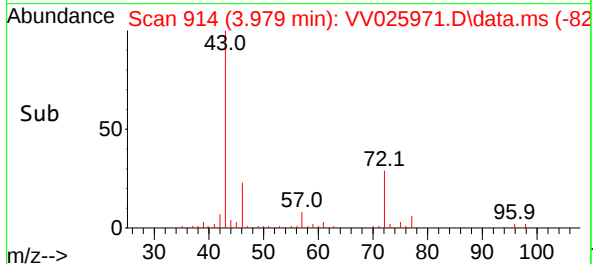
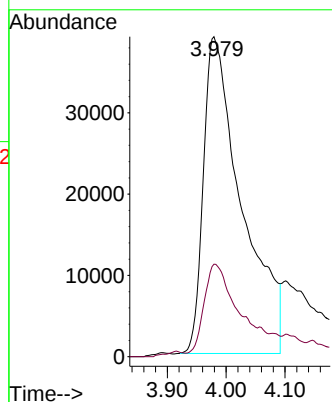
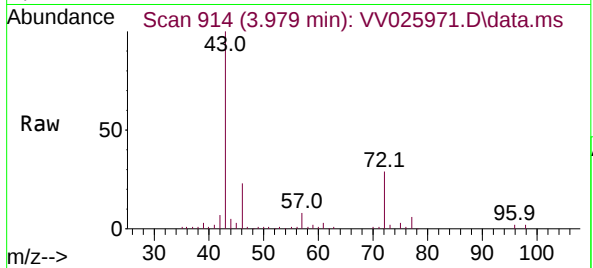




#22
2-Butanone
Concen: 104.764 ug/L
RT: 3.979 min Scan# 916
Delta R.T. -0.006 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

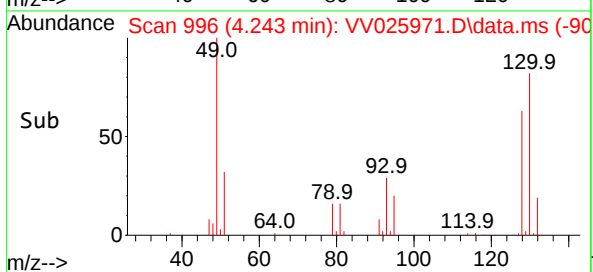
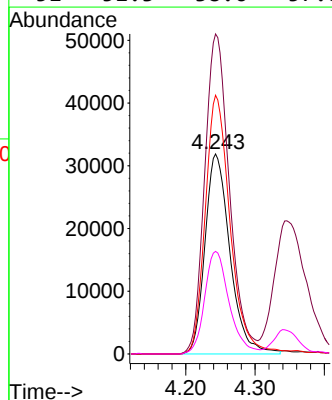
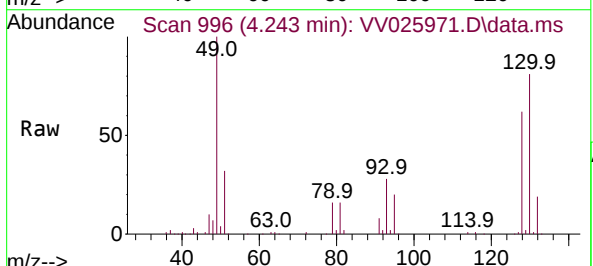
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

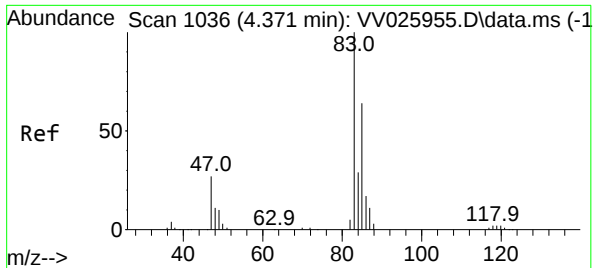
Tgt Ion: 43 Resp: 176861
Ion Ratio Lower Upper
43 100
72 20.5 13.8 41.4



#23
Bromochloromethane
Concen: 51.479 ug/L
RT: 4.243 min Scan# 996
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion:128 Resp: 79833
Ion Ratio Lower Upper
128 100
49 160.0 111.0 206.2
130 129.4 87.1 161.7
51 51.3 38.6 57.8

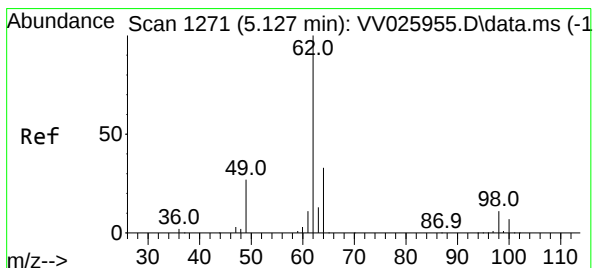
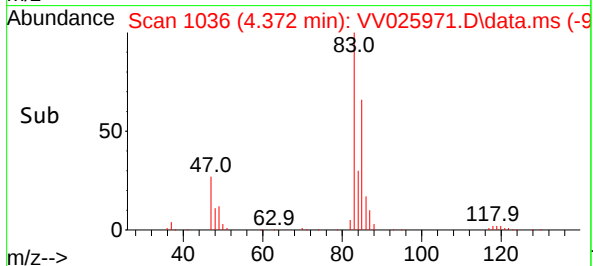
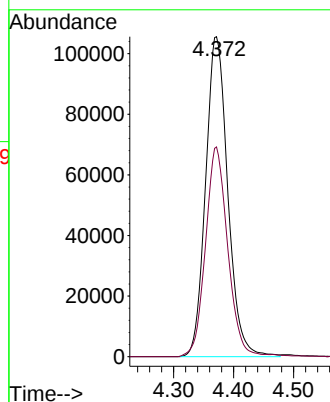
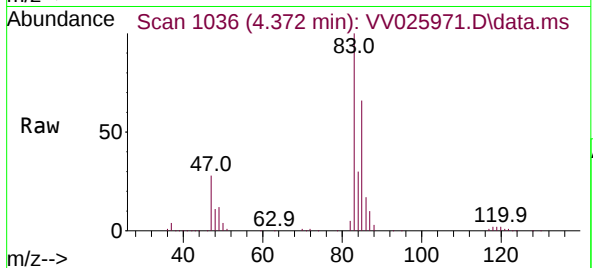




#25
Chloroform
Concen: 50.471 ug/L
RT: 4.372 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

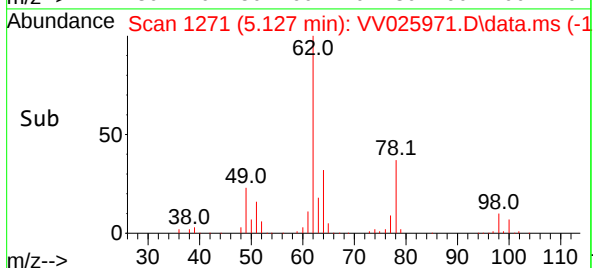
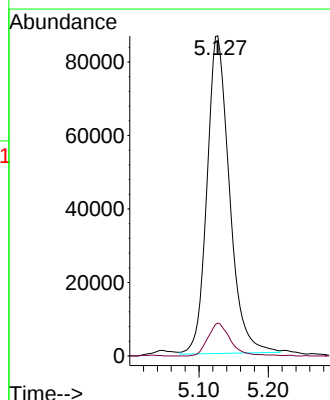
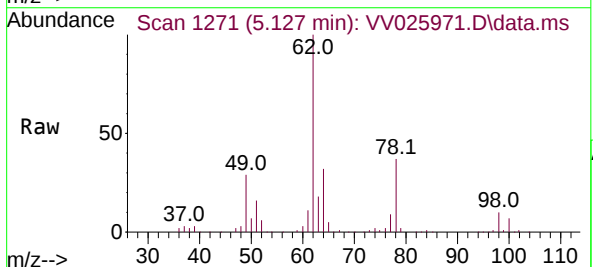
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

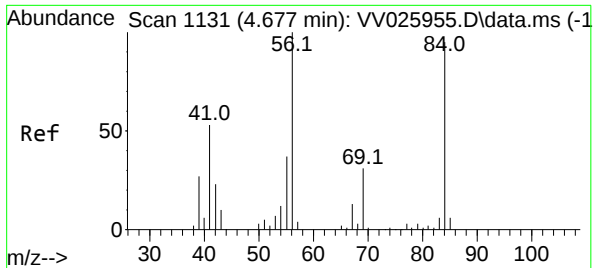
Tgt Ion: 83 Resp: 271712
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.3



#27
1,2-Dichloroethane
Concen: 47.875 ug/L
RT: 5.127 min Scan# 1271
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 62 Resp: 194861
Ion Ratio Lower Upper
62 100
98 10.3 7.7 11.5

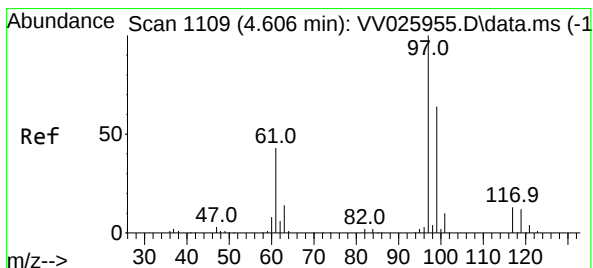
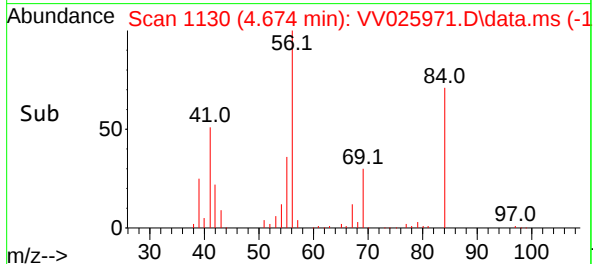
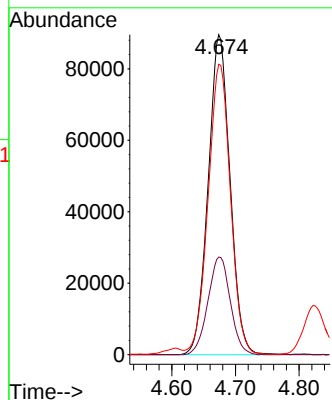
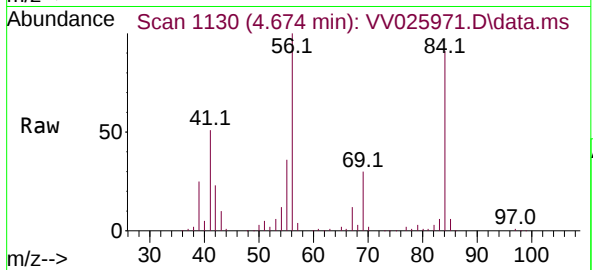




#29
Cyclohexane
Concen: 52.320 ug/L
RT: 4.674 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

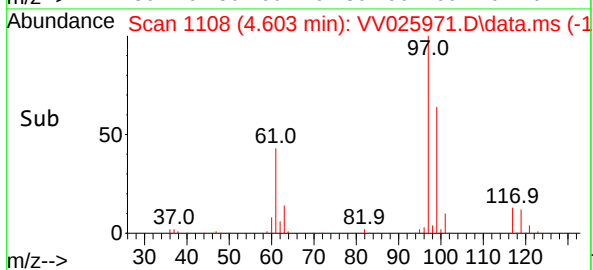
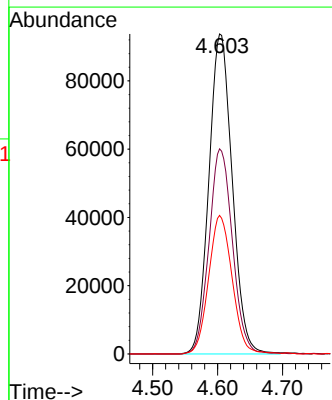
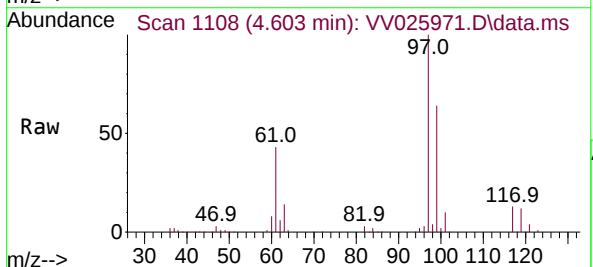
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

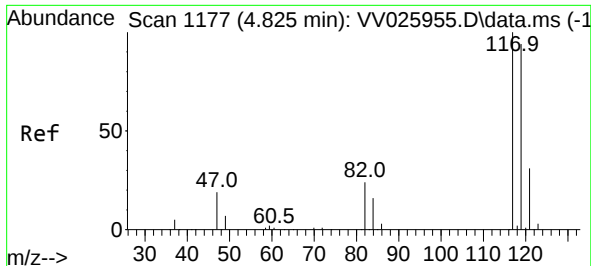
Tgt Ion: 56 Resp: 213826
Ion Ratio Lower Upper
56 100
69 31.3 24.8 37.2
84 92.4 73.8 110.8



#30
1,1,1-Trichloroethane
Concen: 51.064 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 97 Resp: 234111
Ion Ratio Lower Upper
97 100
99 64.4 52.6 78.8
61 43.5 35.6 53.4

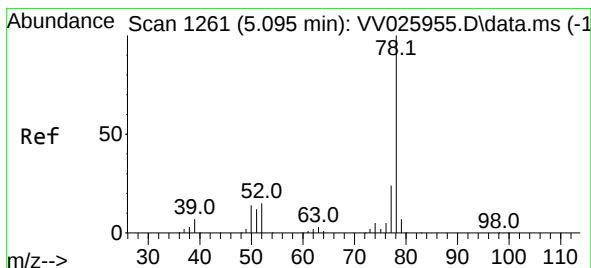
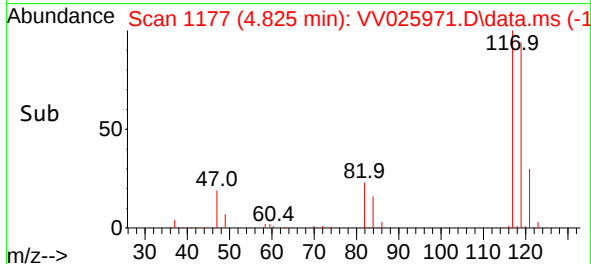
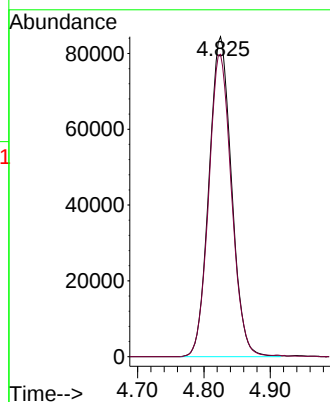
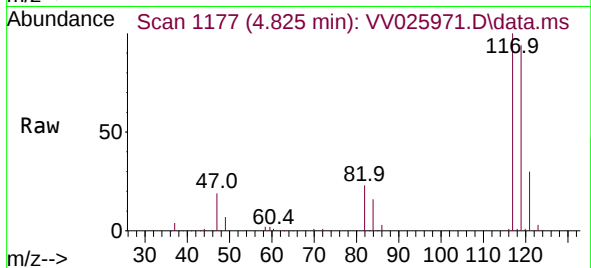




#31
Carbon tetrachloride
Concen: 51.838 ug/L
RT: 4.825 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

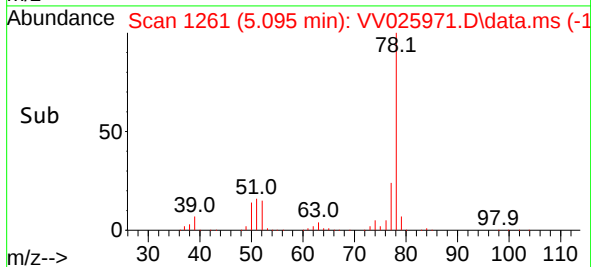
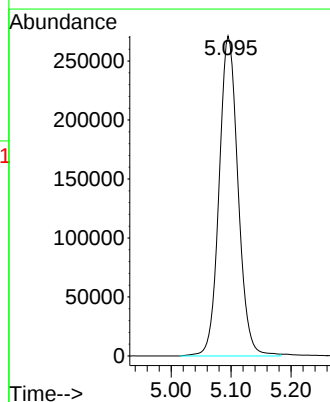
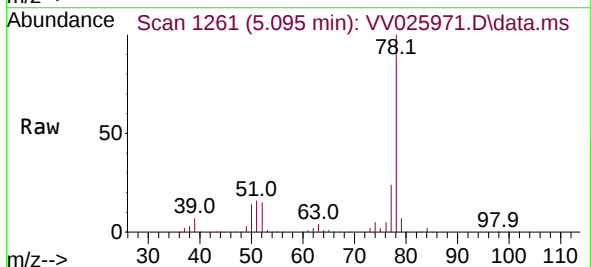
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

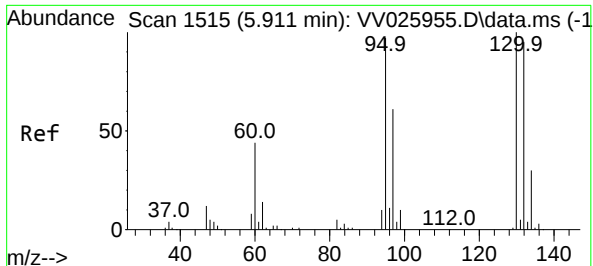
Tgt Ion:117 Resp: 199526
Ion Ratio Lower Upper
117 100
119 95.4 76.9 115.3



#33
Benzene
Concen: 52.206 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 78 Resp: 593403

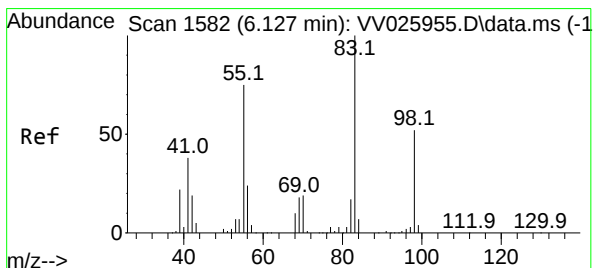
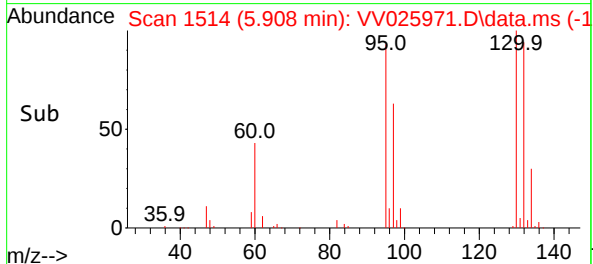
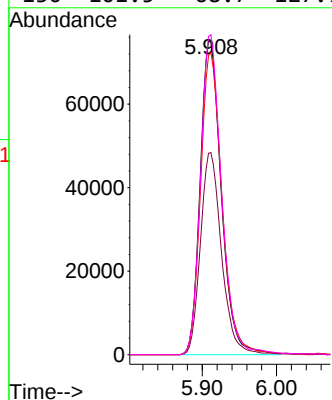
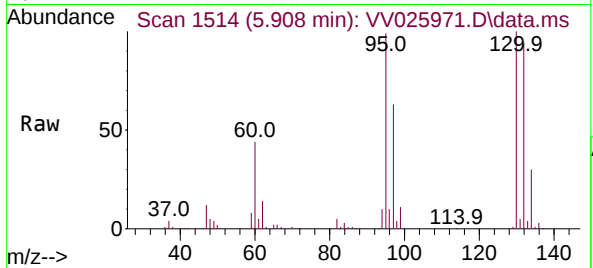




#34
Trichloroethene
Concen: 50.021 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

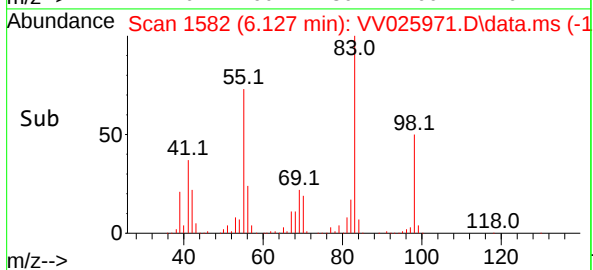
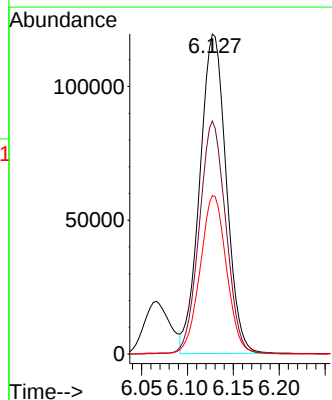
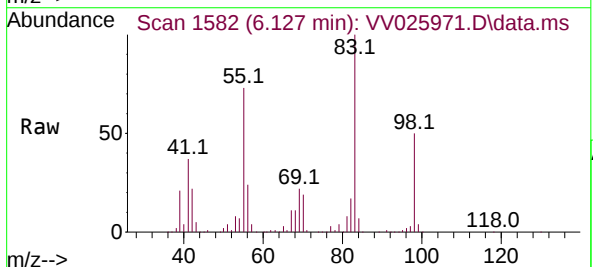
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

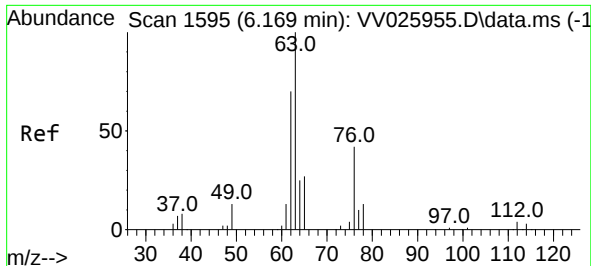
Tgt Ion: 95 Resp: 148713
Ion Ratio Lower Upper
95 100
97 64.2 44.2 82.0
132 95.5 67.7 125.7
130 101.5 68.7 127.7



#35
Methylcyclohexane
Concen: 53.782 ug/L
RT: 6.127 min Scan# 1582
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 83 Resp: 239474
Ion Ratio Lower Upper
83 100
55 72.8 58.6 87.8
98 49.7 39.1 58.7





#37

1,2-Dichloropropane

Concen: 54.595 ug/L

RT: 6.169 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

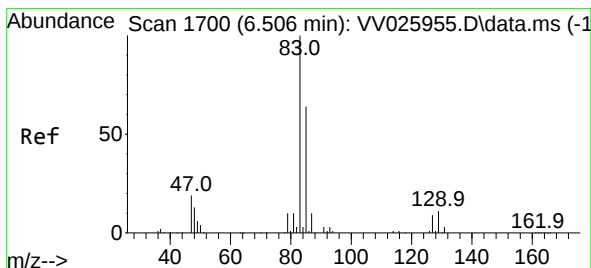
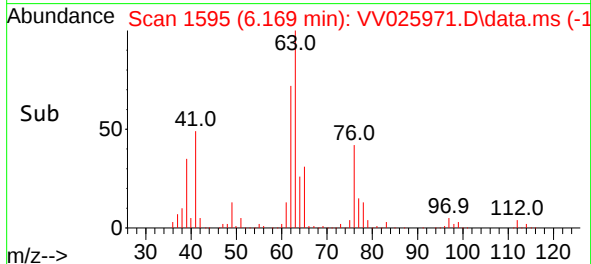
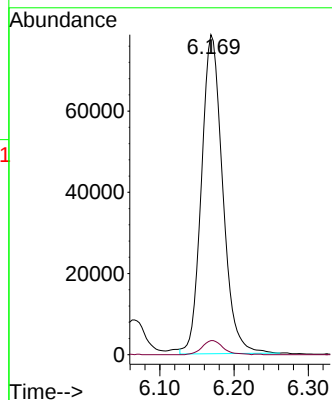
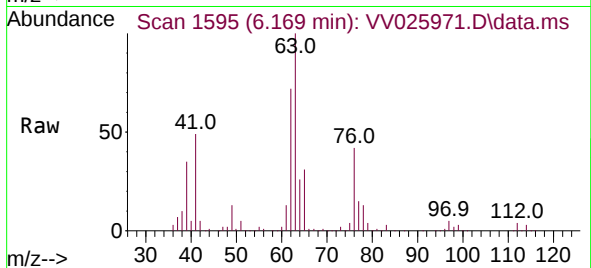
VSTD050297

Tgt Ion: 63 Resp: 155889

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.6



#38

Bromodichloromethane

Concen: 50.979 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

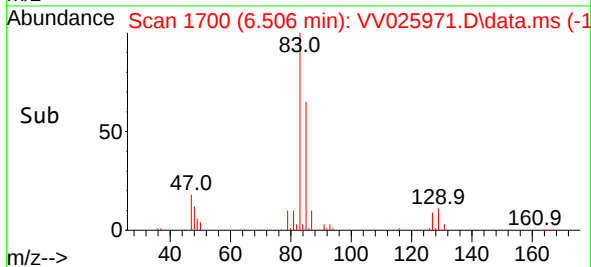
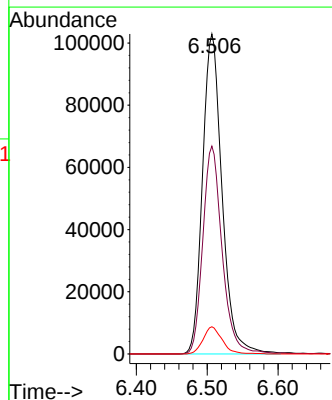
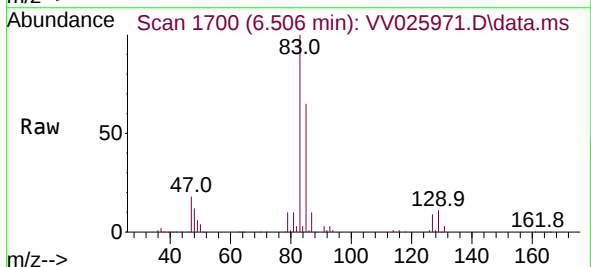
Tgt Ion: 83 Resp: 196844

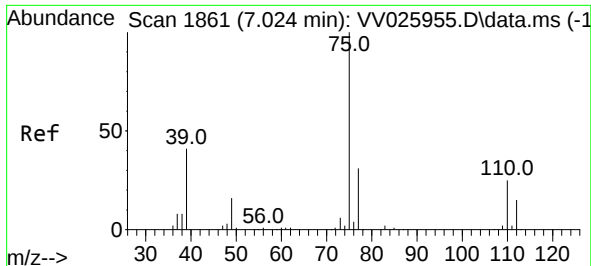
Ion Ratio Lower Upper

83 100

85 64.9 46.0 85.4

127 8.5 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 53.751 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

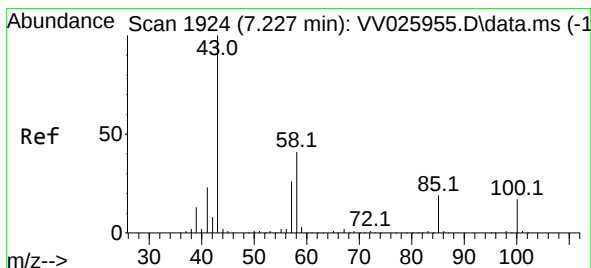
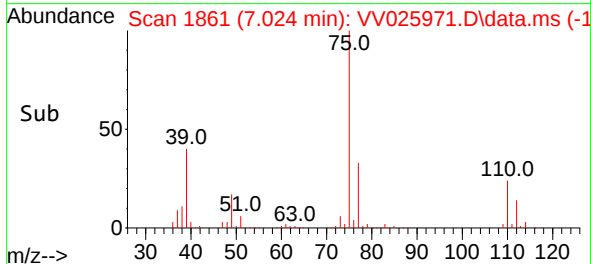
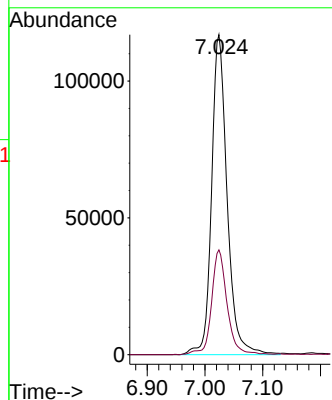
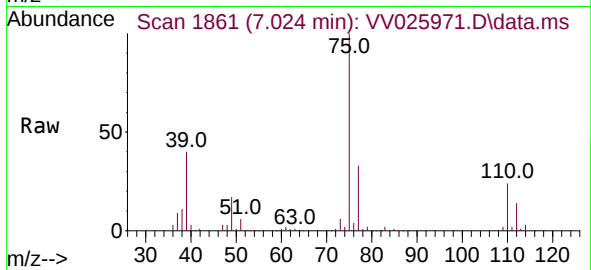
VSTD050297

Tgt Ion: 75 Resp: 218865

Ion Ratio Lower Upper

75 100

77 32.8 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 112.218 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

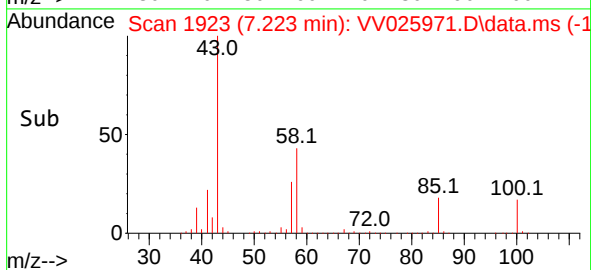
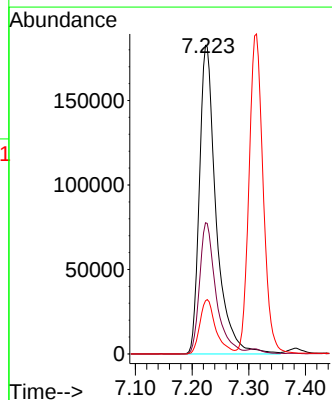
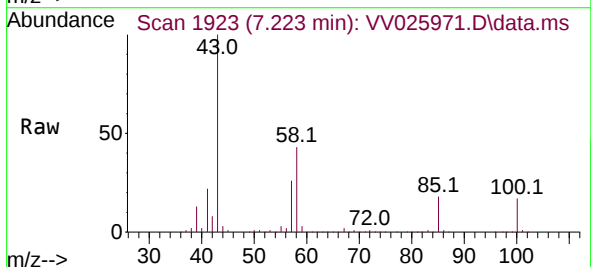
Tgt Ion: 43 Resp: 374546

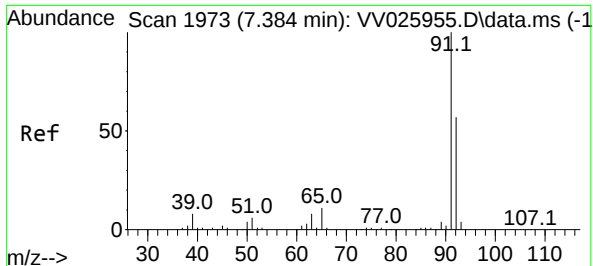
Ion Ratio Lower Upper

43 100

58 41.6 32.9 49.3

100 16.8 13.7 20.5





#42

Toluene

Concen: 53.014 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

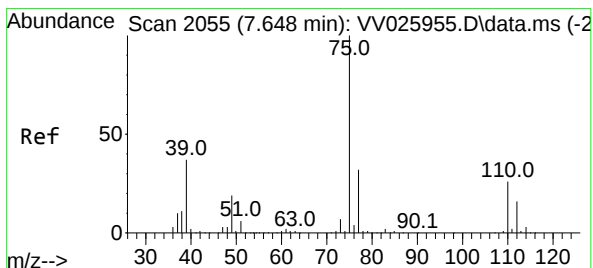
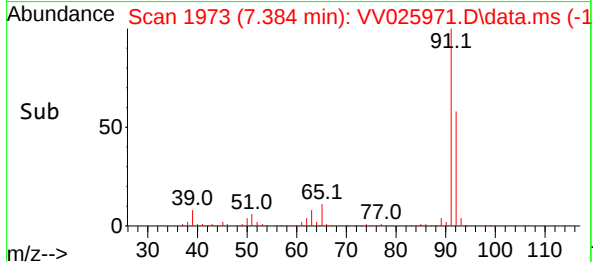
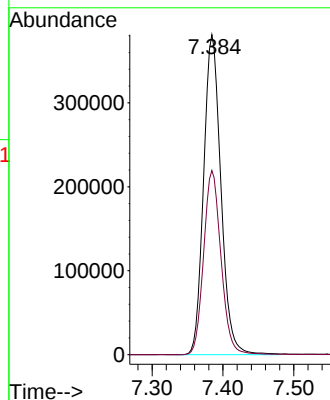
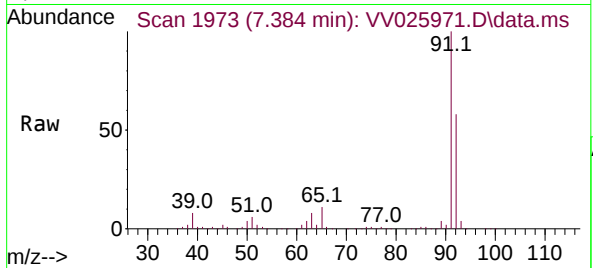
VSTD050297

Tgt Ion: 91 Resp: 646438

Ion Ratio Lower Upper

91 100

92 57.5 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 53.836 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. 0.000 min

Lab File: VV025971.D

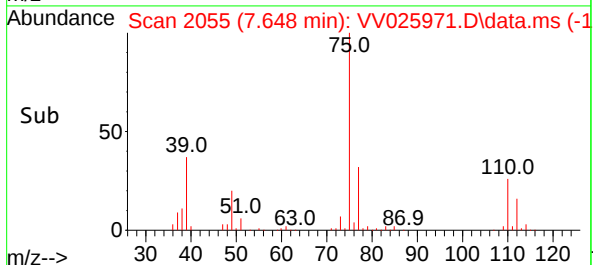
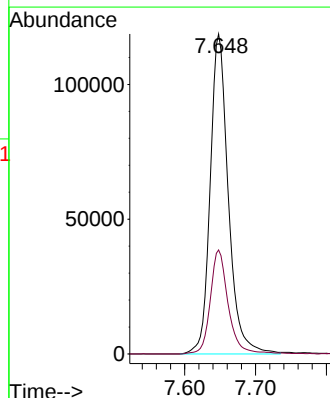
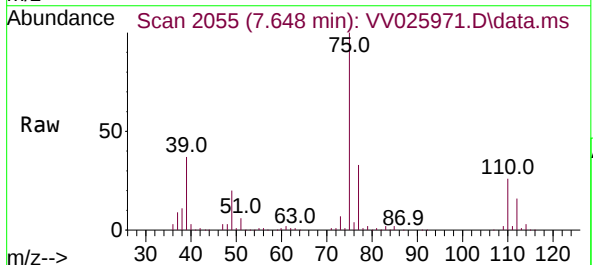
Acq: 27 May 2022 11:45

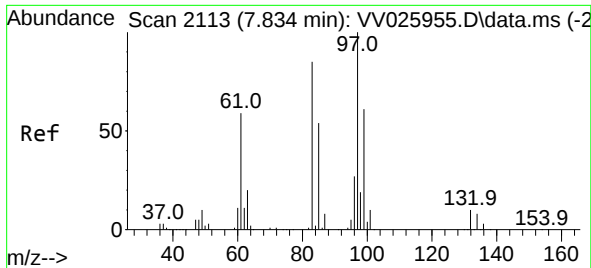
Tgt Ion: 75 Resp: 210896

Ion Ratio Lower Upper

75 100

77 32.5 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 52.599 ug/L

RT: 7.834 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

Tgt Ion: 97 Resp: 152604

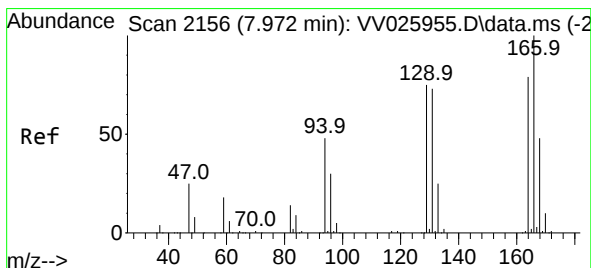
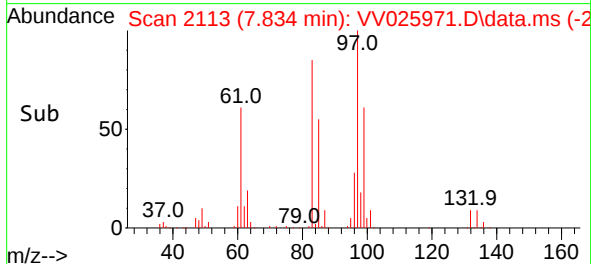
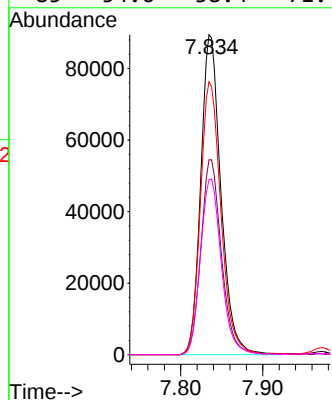
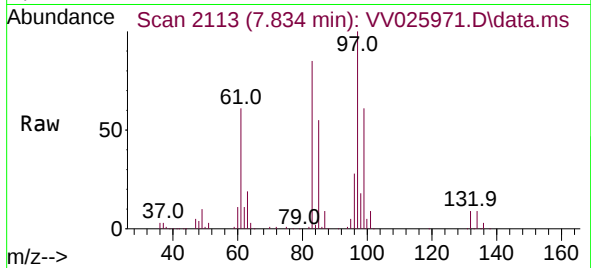
Ion Ratio Lower Upper

97 100

99 60.9 42.6 79.0

83 85.3 59.7 110.9

85 54.6 38.4 71.4



#46

Tetrachloroethene

Concen: 52.539 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Tgt Ion:164 Resp: 115220

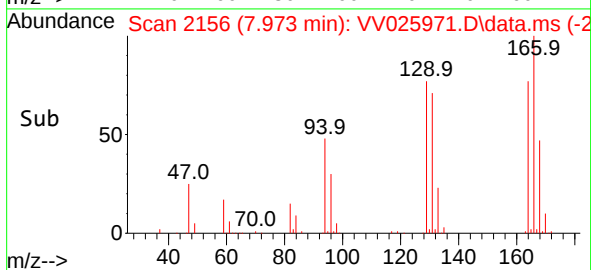
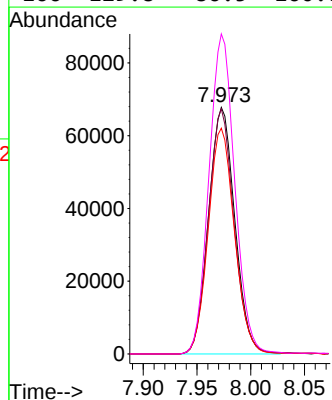
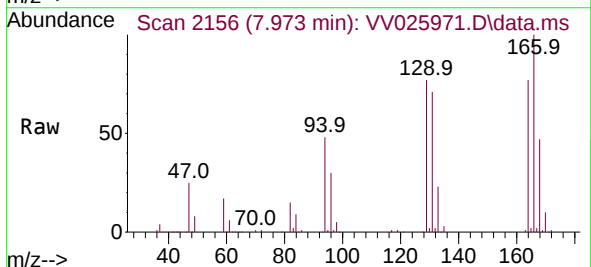
Ion Ratio Lower Upper

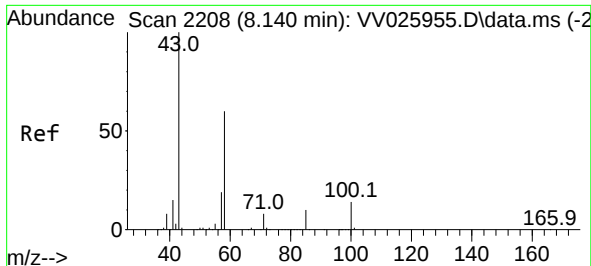
164 100

129 99.4 66.8 124.2

131 91.6 66.7 123.9

166 129.8 86.5 160.7



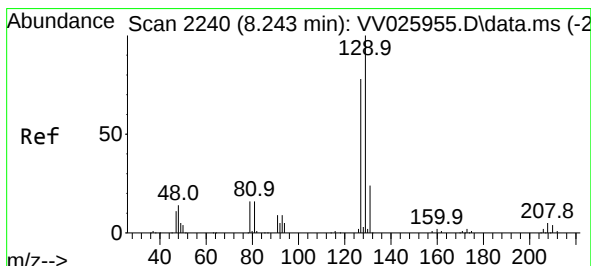
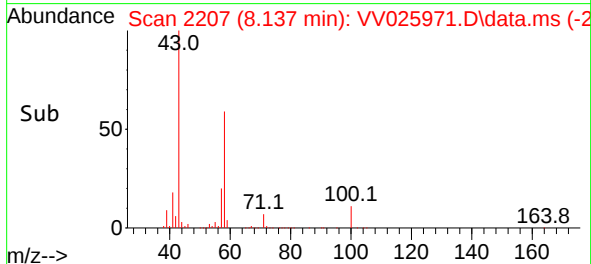
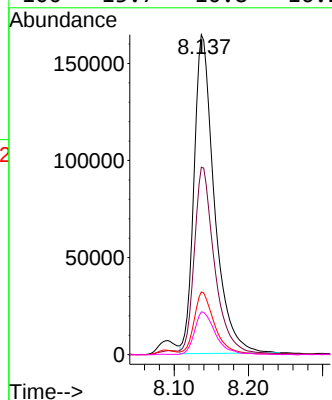
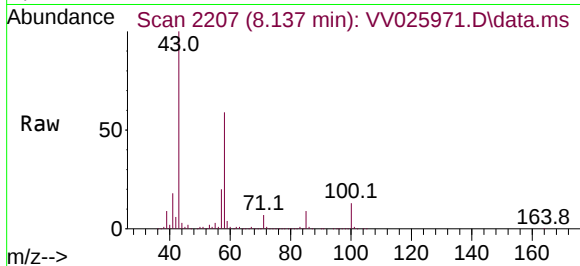


#48
2-Hexanone
Concen: 120.947 ug/L
RT: 8.137 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

Tgt Ion: 43 Resp: 314092

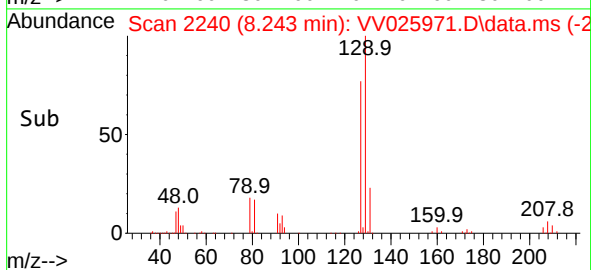
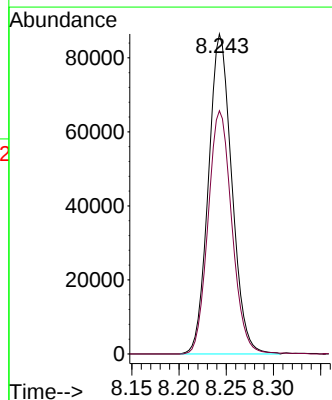
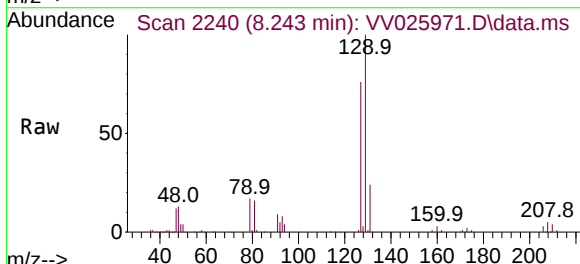
Ion	Ratio	Lower	Upper
43	100		
58	58.3	45.9	68.9
57	19.4	15.4	23.2
100	13.7	10.8	16.2

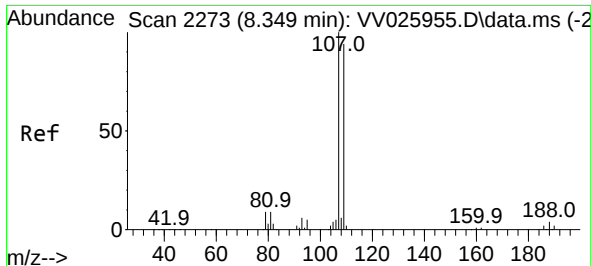


#49
Dibromochloromethane
Concen: 51.930 ug/L
RT: 8.243 min Scan# 2240
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 129 Resp: 148610

Ion	Ratio	Lower	Upper
129	100		
127	76.0	53.5	99.5





#50

1,2-Dibromoethane

Concen: 53.200 ug/L

RT: 8.349 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

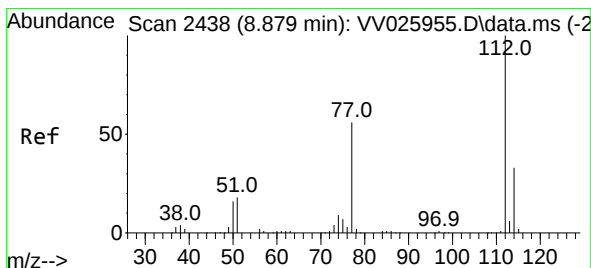
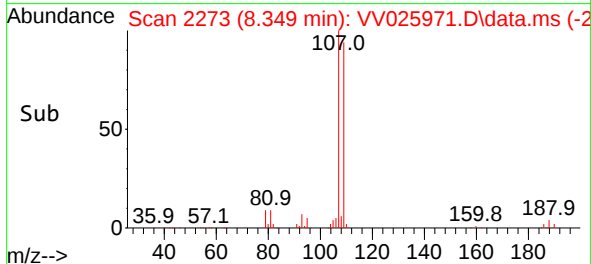
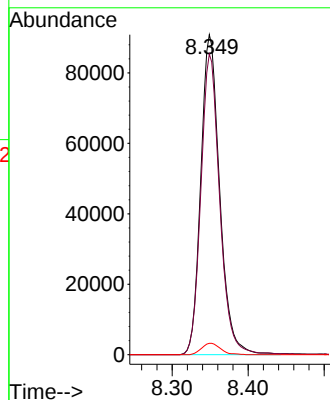
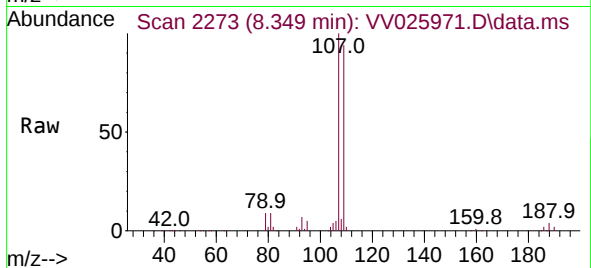
Tgt Ion:107 Resp: 156957

Ion Ratio Lower Upper

107 100

109 94.0 64.1 119.1

188 3.6 2.6 3.8



#51

Chlorobenzene

Concen: 52.370 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

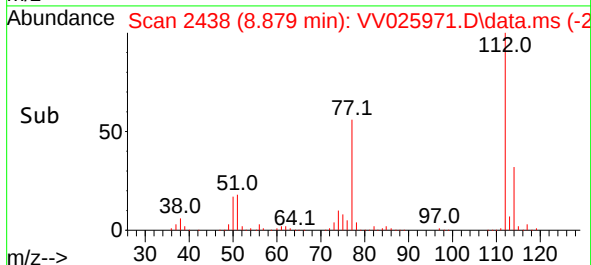
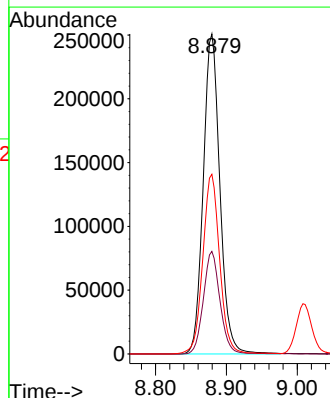
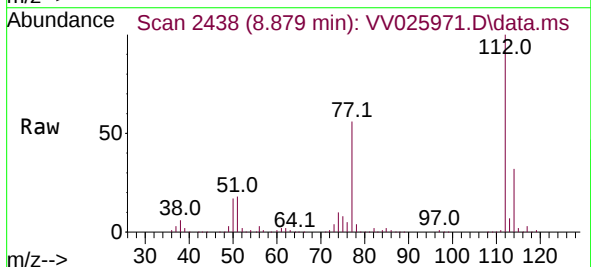
Tgt Ion:112 Resp: 408916

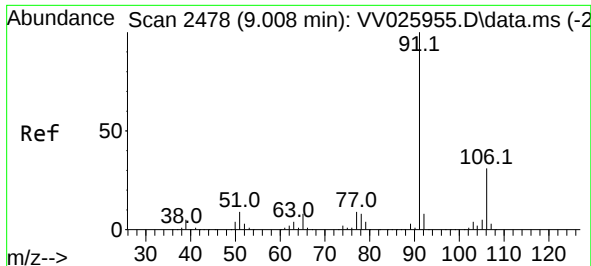
Ion Ratio Lower Upper

112 100

114 32.0 22.0 40.8

77 56.1 45.3 67.9





#52

Ethylbenzene

Concen: 54.090 ug/L

RT: 9.008 min Scan# 2478

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

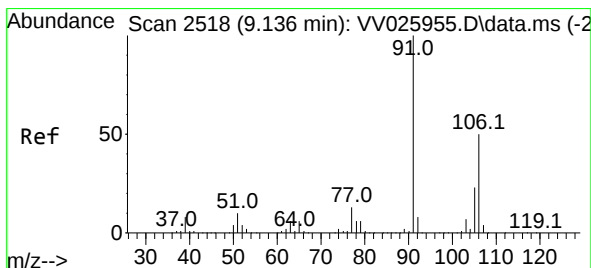
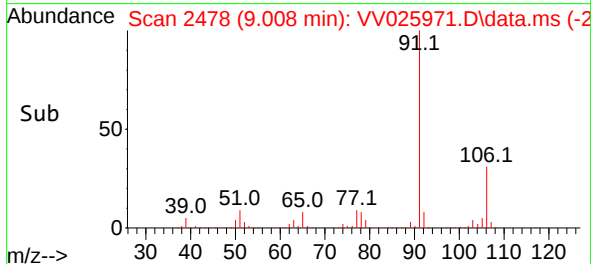
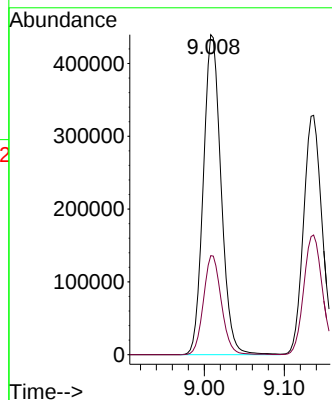
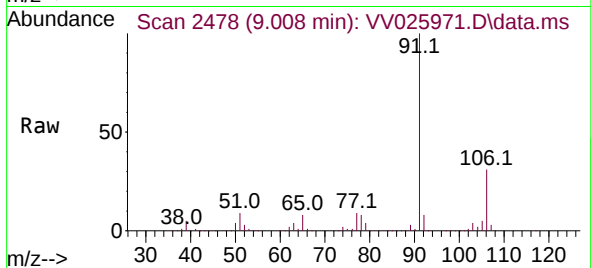
VSTD050297

Tgt Ion: 91 Resp: 680458

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.6



#53

m,p-Xylene

Concen: 54.787 ug/L

RT: 9.137 min Scan# 2518

Delta R.T. 0.000 min

Lab File: VV025971.D

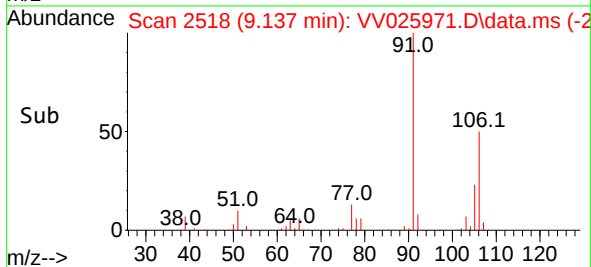
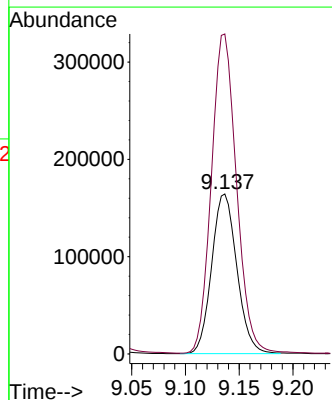
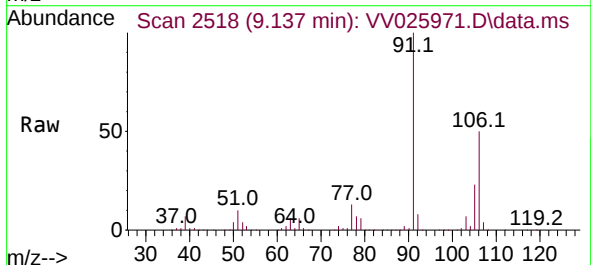
Acq: 27 May 2022 11:45

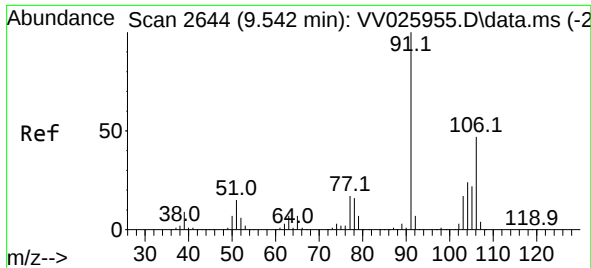
Tgt Ion: 106 Resp: 267338

Ion Ratio Lower Upper

106 100

91 200.0 142.0 263.6

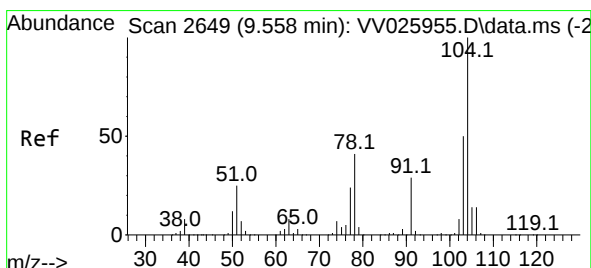
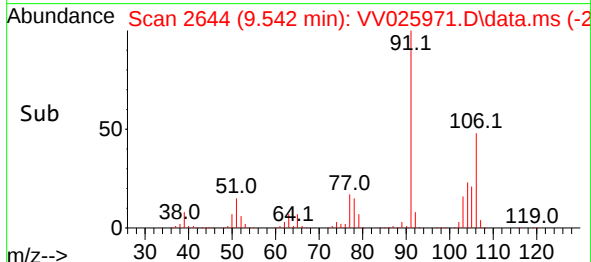
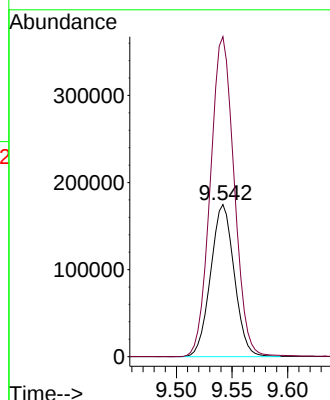
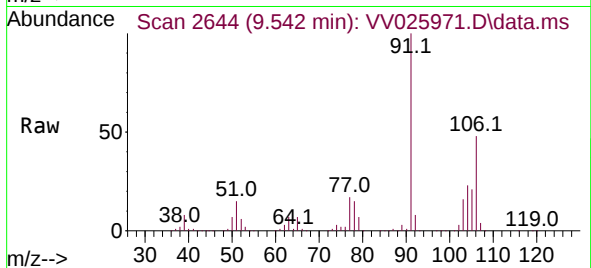




#54
o-Xylene
Concen: 53.886 ug/L
RT: 9.542 min Scan# 2644
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

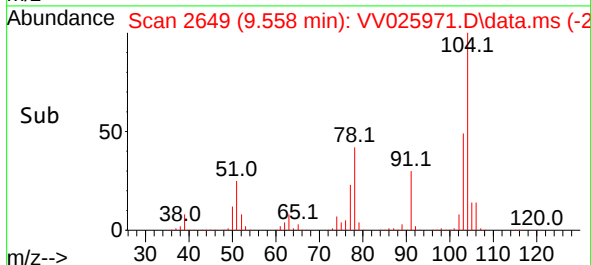
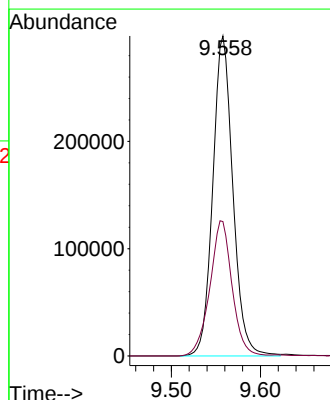
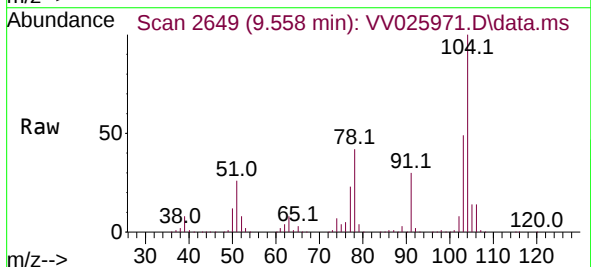
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

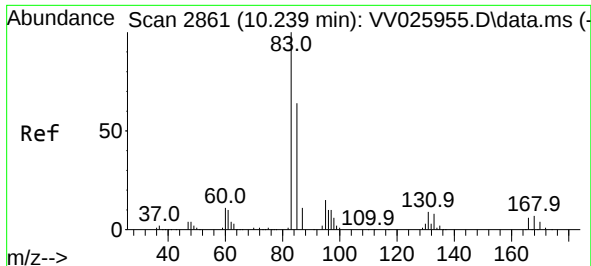
Tgt Ion:106 Resp: 258290
Ion Ratio Lower Upper
106 100
91 210.4 147.4 273.8



#55
Styrene
Concen: 56.055 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion:104 Resp: 468170
Ion Ratio Lower Upper
104 100
78 42.0 29.8 55.3

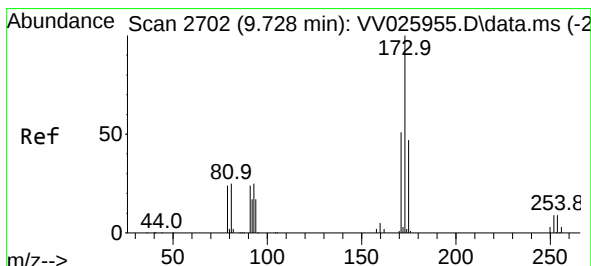
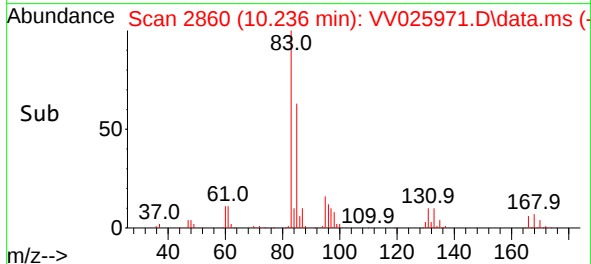
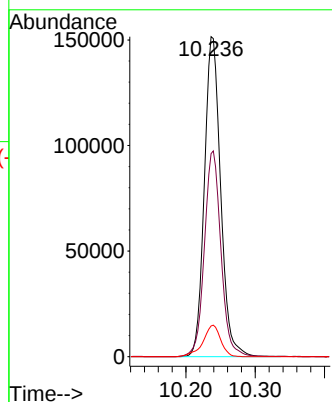
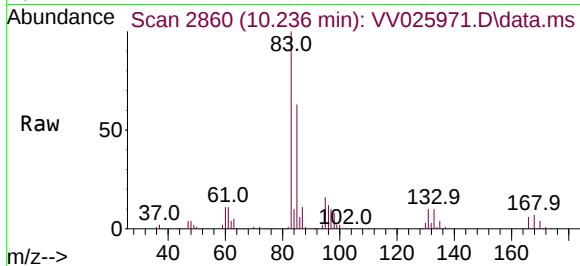




#57
1,1,2,2-Tetrachloroethane
Concen: 57.068 ug/L
RT: 10.236 min Scan# 21
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

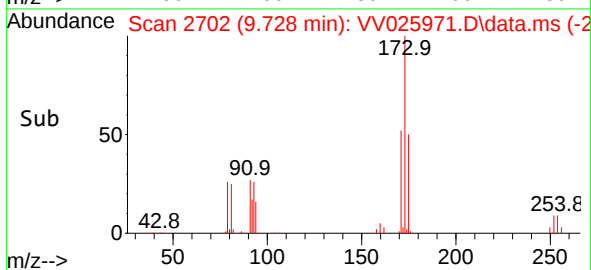
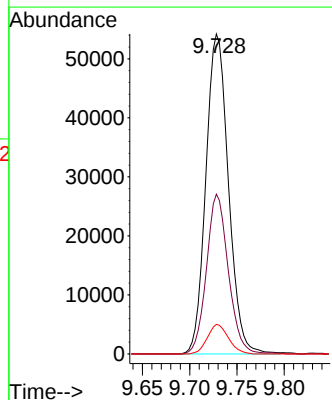
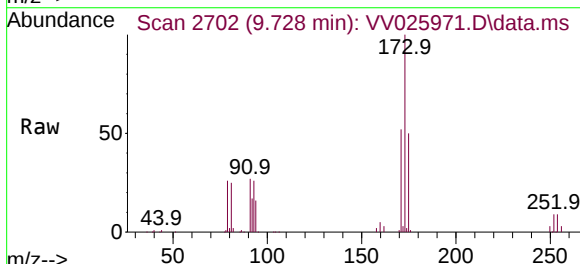
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

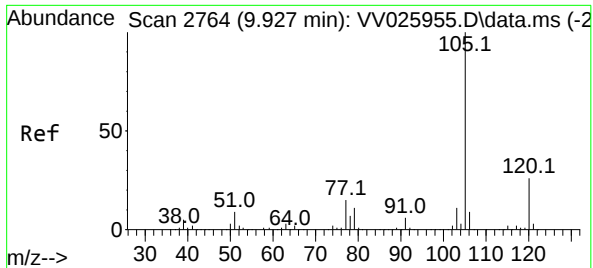
Tgt Ion: 83 Resp: 247035
Ion Ratio Lower Upper
83 100
85 63.5 44.7 82.9
131 9.6 7.5 11.3



#59
Bromoform
Concen: 48.515 ug/L
RT: 9.728 min Scan# 2702
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 173 Resp: 90056
Ion Ratio Lower Upper
173 100
175 48.1 38.1 57.1
254 8.6 7.0 10.6

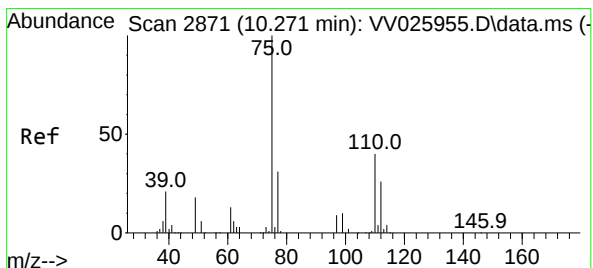
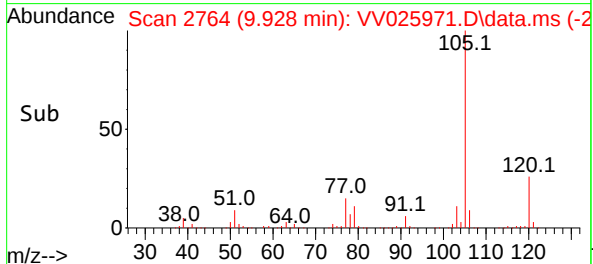
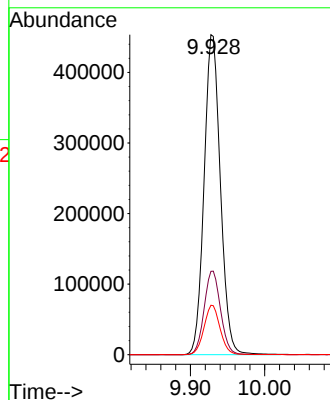
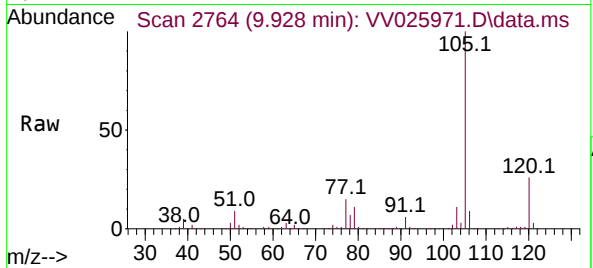




#60
Isopropylbenzene
Concen: 53.600 ug/L
RT: 9.928 min Scan# 2764
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

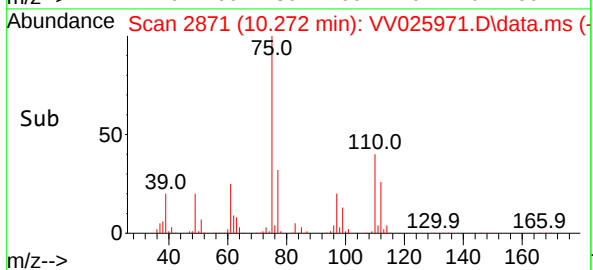
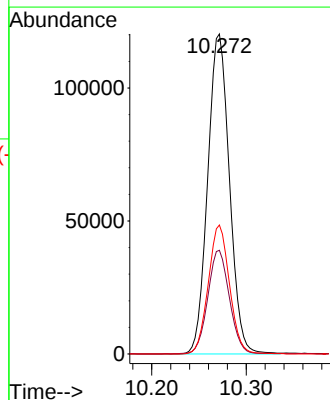
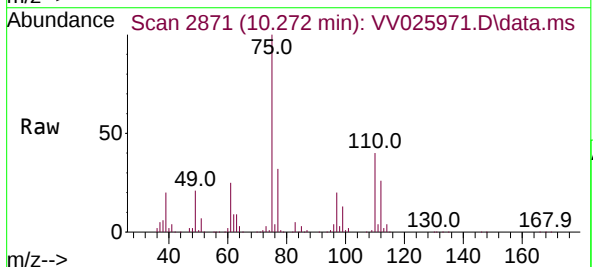
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

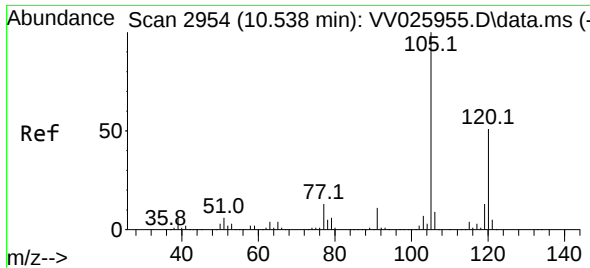
Tgt Ion:105 Resp: 690878
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.6
77 15.3 12.3 18.5



#61
1,2,3-Trichloropropane
Concen: 50.486 ug/L
RT: 10.272 min Scan# 2871
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion: 75 Resp: 192293
Ion Ratio Lower Upper
75 100
77 32.3 25.3 37.9
110 39.3 32.3 48.5

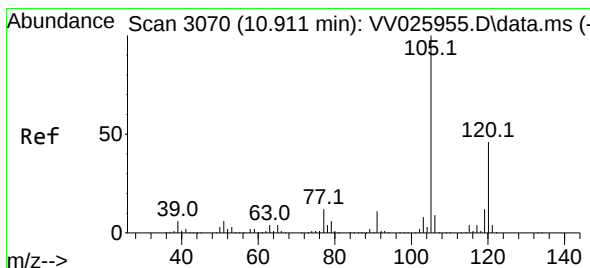
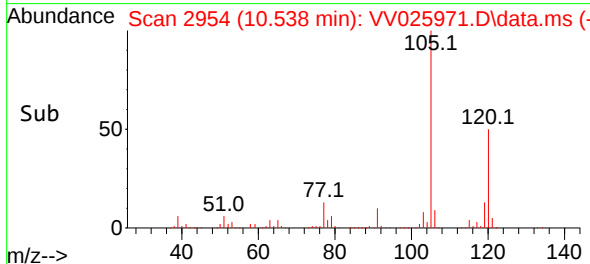
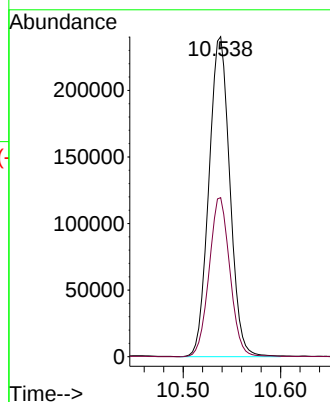
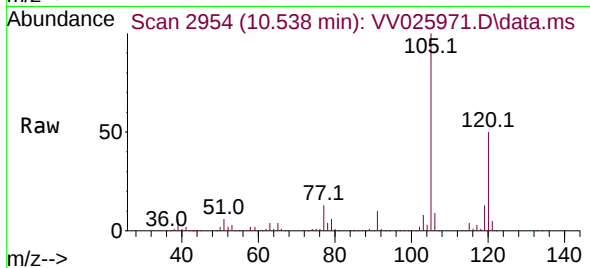




#62
1,3,5-Trimethylbenzene
Concen: 54.080 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

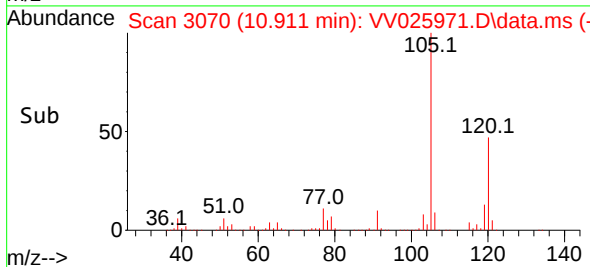
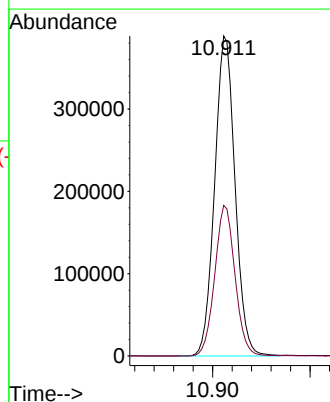
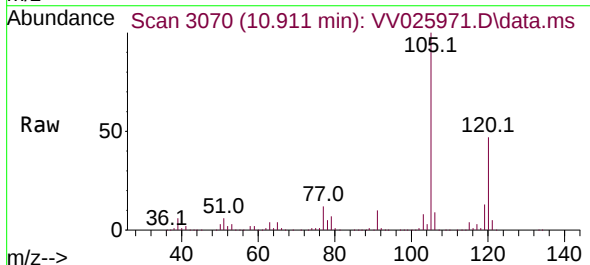
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

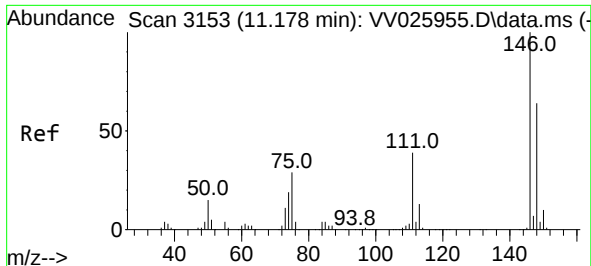
Tgt Ion:105 Resp: 359302
Ion Ratio Lower Upper
105 100
120 49.2 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 54.636 ug/L
RT: 10.911 min Scan# 3070
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion:105 Resp: 563202
Ion Ratio Lower Upper
105 100
120 46.8 36.6 55.0

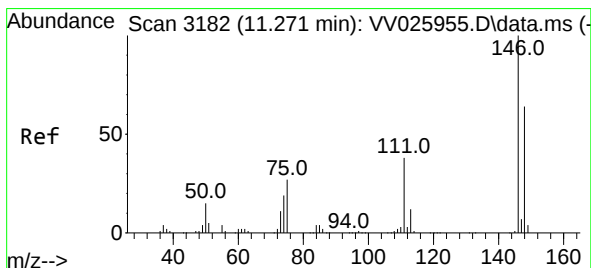
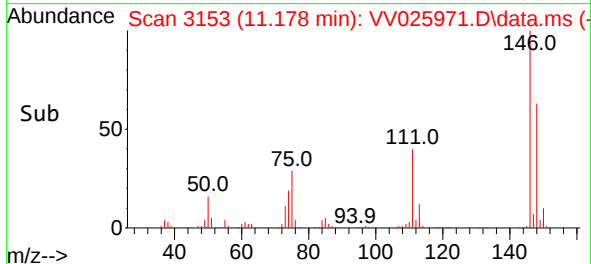
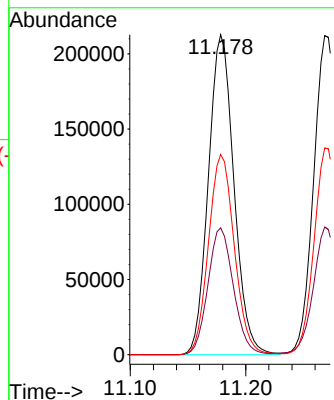
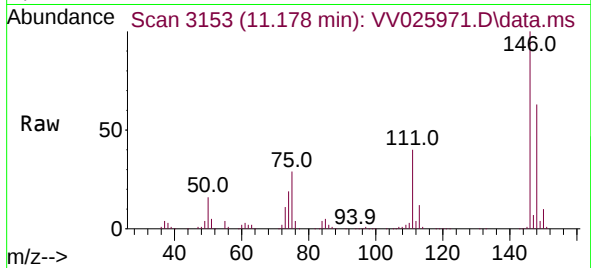




#64
1,3-Dichlorobenzene
Concen: 53.602 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

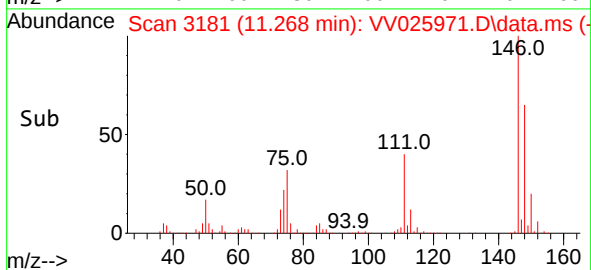
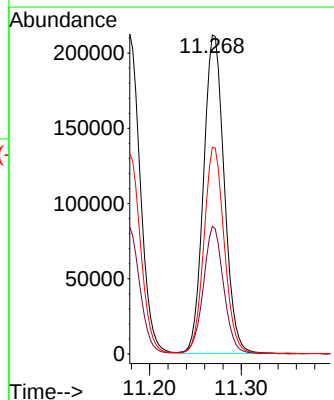
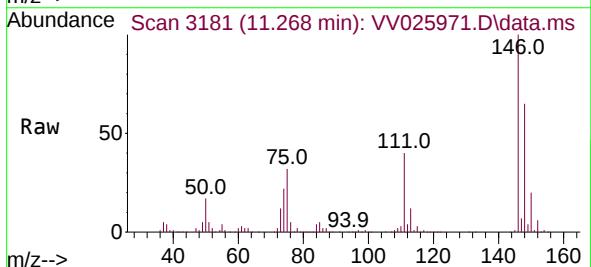
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

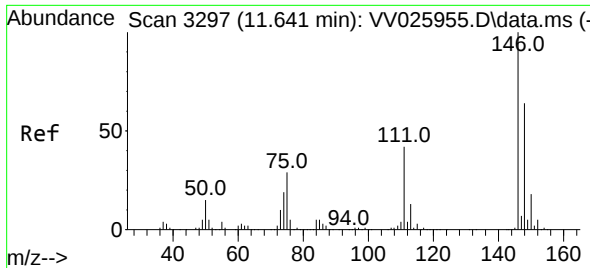
Tgt Ion:146 Resp: 327041
Ion Ratio Lower Upper
146 100
111 39.7 28.1 52.1
148 62.6 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 51.890 ug/L
RT: 11.268 min Scan# 3181
Delta R.T. -0.003 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

Tgt Ion:146 Resp: 331780
Ion Ratio Lower Upper
146 100
111 40.0 26.7 49.7
148 64.8 44.2 82.2

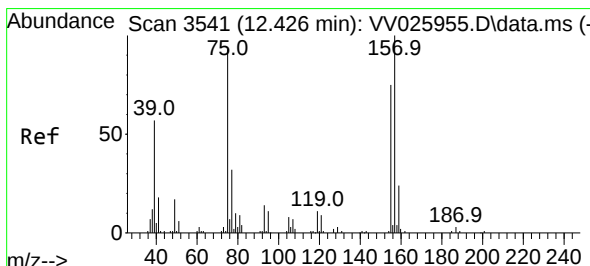
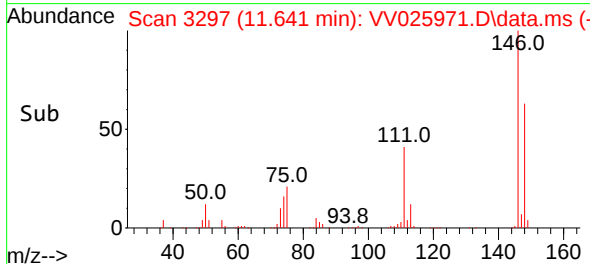
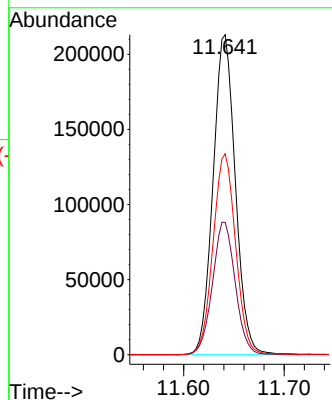
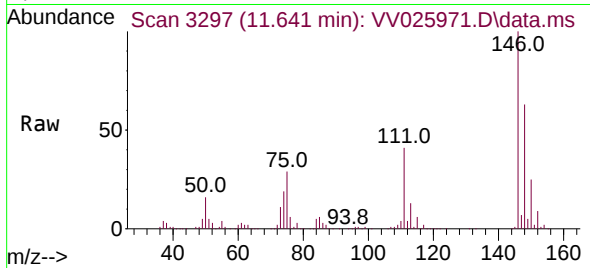




#67
1,2-Dichlorobenzene
Concen: 52.017 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

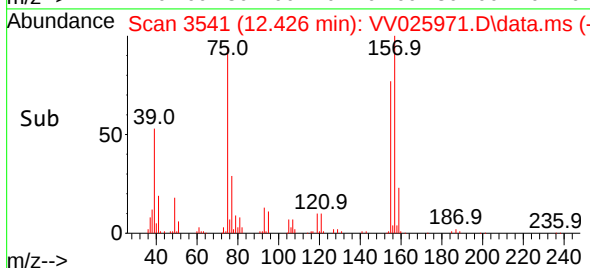
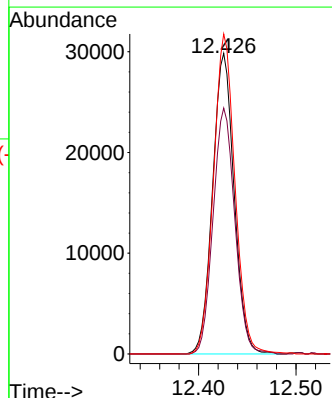
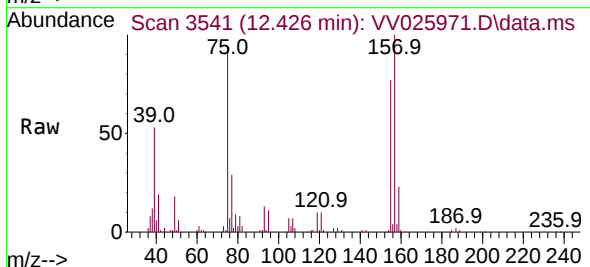
Instrument :
MSVOA_V
ClientSampleId :
VSTD050297

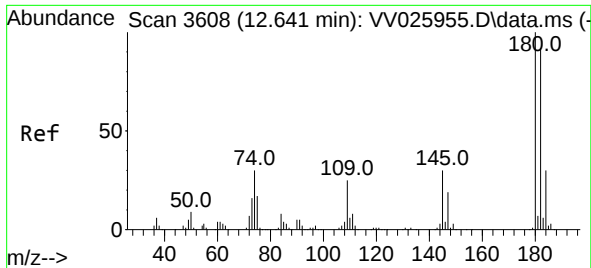
Tgt Ion:146 Resp: 328265
Ion Ratio Lower Upper
146 100
111 41.4 33.7 50.5
148 62.8 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 52.221 ug/L
RT: 12.426 min Scan# 3541
Delta R.T. 0.000 min
Lab File: VV025971.D
Acq: 27 May 2022 11:45

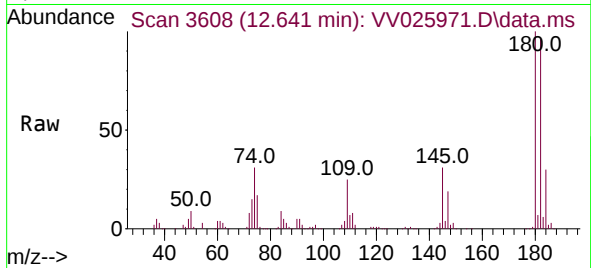
Tgt Ion: 75 Resp: 45920
Ion Ratio Lower Upper
75 100
155 81.8 66.8 100.2
157 106.4 82.5 123.7





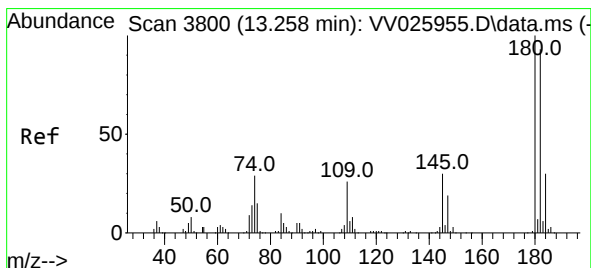
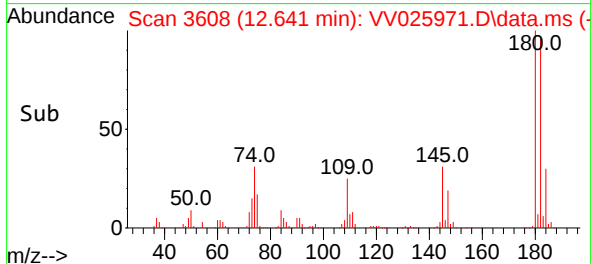
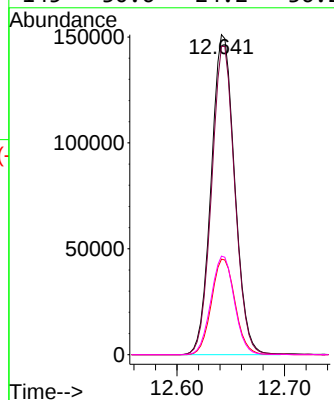
#69
 1,3,5-Trichlorobenzene
 Concen: 54.342 ug/L
 RT: 12.641 min Scan# 3608
 Delta R.T. 0.000 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050297



Tgt Ion:180 Resp: 228926

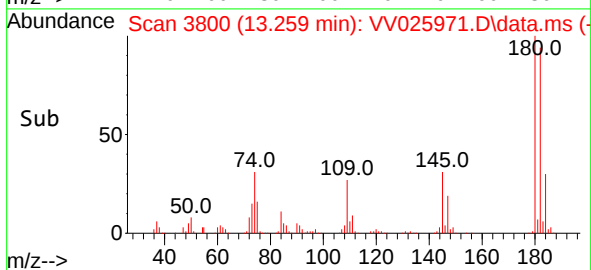
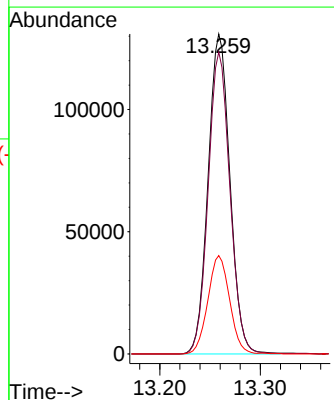
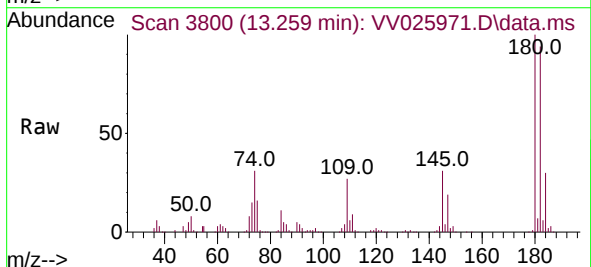
Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.1	112.7
184	30.0	23.6	35.4
145	30.6	24.2	36.2

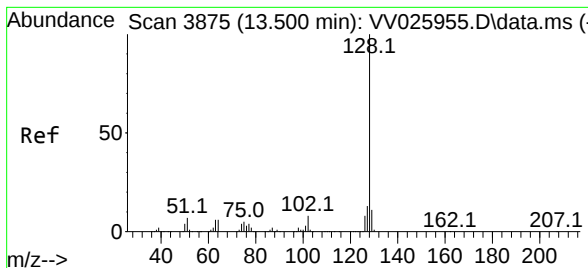


#70
 1,2,4-trichlorobenzene
 Concen: 55.078 ug/L
 RT: 13.259 min Scan# 3800
 Delta R.T. 0.000 min
 Lab File: VV025971.D
 Acq: 27 May 2022 11:45

Tgt Ion:180 Resp: 197580

Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.8	112.2
145	30.6	24.8	37.2





#71

Naphthalene

Concen: 57.212 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD050297

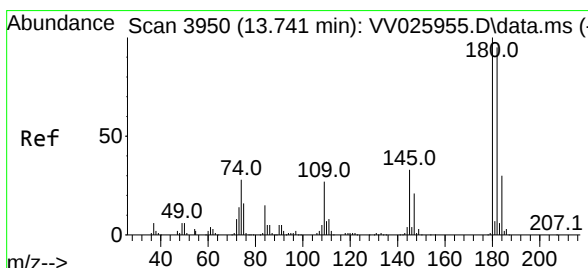
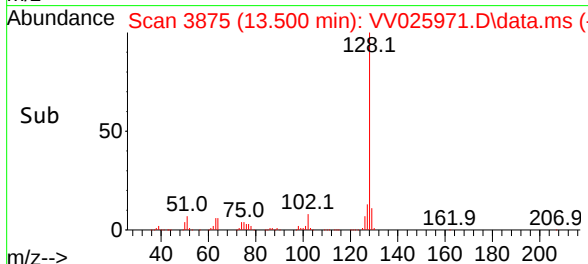
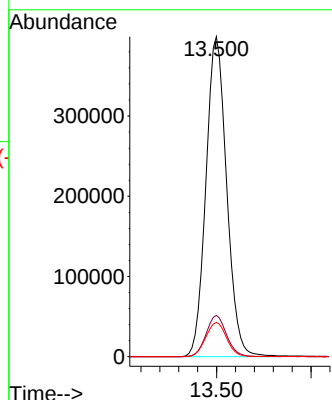
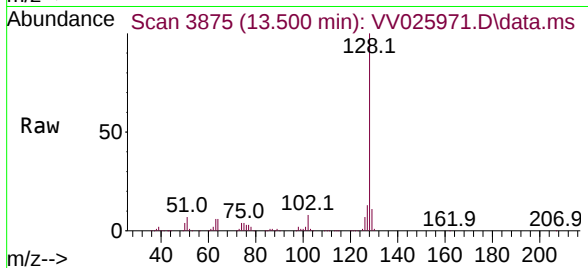
Tgt Ion:128 Resp: 607809

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 55.607 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV025971.D

Acq: 27 May 2022 11:45

Tgt Ion:180 Resp: 203279

Ion Ratio Lower Upper

180 100

182 95.3 75.8 113.8

145 32.8 26.3 39.5

