

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060123\
 Data File : VW031319.D
 Acq On : 01 Jun 2023 15:38
 Operator : SY/MD
 Sample : VSTD02057
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02057

Quant Time: Jun 02 02:06:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 02 02:03:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	149053	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	152860	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	86586	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	299394	22.927	ug/L	0.00
7) Chloroethane-d5	1.532	69	253494	19.045	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	149634	22.470	ug/L	0.00
20) 2-Butanone-d5	3.828	46	801067	195.915	ug/L	0.00
24) Chloroform-d	4.256	84	538081	18.532	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.950	65	278439	18.050	ug/L	0.00
32) Benzene-d6	4.966	84	1021523	19.267	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.995	67	337484	18.180	ug/L	0.00
41) Toluene-d8	7.249	98	984575	20.595	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.558	79	132829	21.235	ug/L	0.00
46) 2-Hexanone-d5	8.034	63	623567	217.198	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	257208	17.967	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	326510	18.777	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	375749	16.061	ug/L	99
3) Chloromethane	1.214	50	363864	16.305	ug/L	99
5) Vinyl chloride	1.281	62	378166	16.883	ug/L	98
6) Bromomethane	1.487	94	211513	16.905	ug/L	97
8) Chloroethane	1.548	64	226179	16.113	ug/L	99
9) Trichlorofluoromethane	1.716	101	548617	16.374	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	305996	16.310	ug/L	99
12) 1,1-Dichloroethene	2.069	96	265558	16.765	ug/L	92
13) Acetone	2.162	43	666047	181.053	ug/L	87
14) Carbon disulfide	2.240	76	815907	17.153	ug/L	100
15) Methyl Acetate	2.391	43	171733	25.799	ug/L #	89
16) Methylene chloride	2.449	84	281280	13.135	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	672190	19.572	ug/L	97
18) trans-1,2-Dichloroethene	2.696	96	252043	16.822	ug/L	97
19) 1,1-Dichloroethane	3.114	63	559382	16.862	ug/L	100
21) 2-Butanone	3.902	43	967610	206.854	ug/L	88
22) cis-1,2-Dichloroethene	3.822	96	278887	17.864	ug/L	99
23) Bromochloromethane	4.153	128	122187	17.394	ug/L	99
25) Chloroform	4.281	83	559061	16.050	ug/L	98
27) 1,2-Dichloroethane	5.050	62	344238	17.866	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	482288	16.334	ug/L	99
30) Cyclohexane	4.590	56	528893	19.265	ug/L	100
31) Carbon tetrachloride	4.741	117	426185	16.140	ug/L	100
33) Benzene	5.014	78	1122504	17.482	ug/L	100
34) Trichloroethene	5.838	95	295189	16.765	ug/L	96
35) Methylcyclohexane	6.056	83	478007	18.379	ug/L	98
37) 1,2-Dichloropropane	6.098	63	337966	19.605	ug/L #	97
38) Bromodichloromethane	6.439	83	400102	17.154	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	480350	20.438	ug/L	98
40) 4-Methyl-2-pentanone	7.169	43	2151057	207.963	ug/L	98
42) Toluene	7.320	91	1227963	18.337	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	403787	20.701	ug/L	97

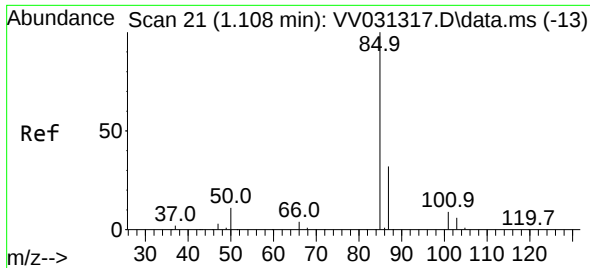
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060123\
 Data File : VW031319.D
 Acq On : 01 Jun 2023 15:38
 Operator : SY/MD
 Sample : VSTD02057
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02057

Quant Time: Jun 02 02:06:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 02 02:03:19 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.776	97	210257	17.411	ug/L	99
47) Tetrachloroethene	7.911	164	221981	16.559	ug/L	95
48) 2-Hexanone	8.085	43	1603280	204.257	ug/L	98
49) Dibromochloromethane	8.185	129	247778	18.124	ug/L	98
50) 1,2-Dibromoethane	8.288	107	201933	17.425	ug/L	94
51) Chlorobenzene	8.821	112	730747	17.772	ug/L	98
52) Ethylbenzene	8.953	91	1396960	19.872	ug/L	99
53) m,p-Xylene	9.079	106	501448	19.832	ug/L	99
54) o-Xylene	9.484	106	481035	20.223	ug/L	97
55) Styrene	9.503	104	857136	20.391	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	257451	17.879	ug/L	99
59) Bromoform	9.673	173	141536	17.692	ug/L	99
60) Isopropylbenzene	9.873	105	1368900	19.294	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	191704	17.217	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	1164121	20.182	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	1202957	20.355	ug/L	98
64) 1,3-Dichlorobenzene	11.123	146	605948	17.679	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	613215	17.748	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	563315	17.763	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	46333	18.168	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	464696	18.375	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	386795	20.648	ug/L	99
71) Naphthalene	13.445	128	626306	23.836	ug/L	98
72) 1,2,3-Trichlorobenzene	13.686	180	345882	19.987	ug/L	99

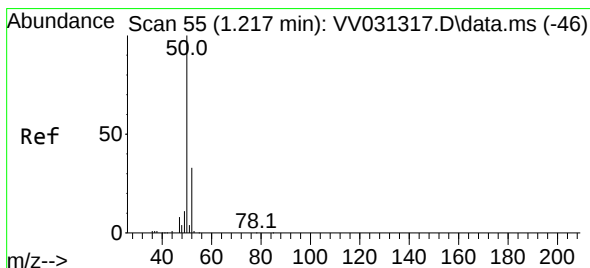
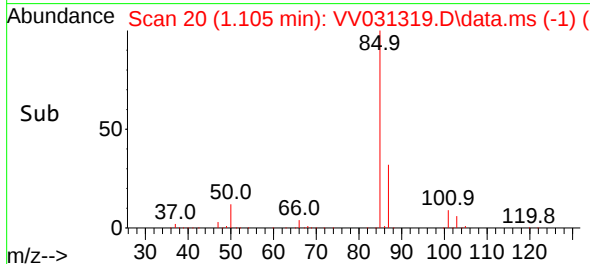
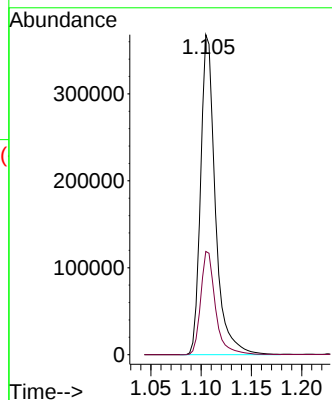
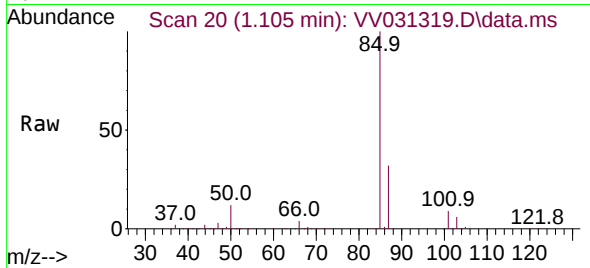
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 16.061 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.003 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

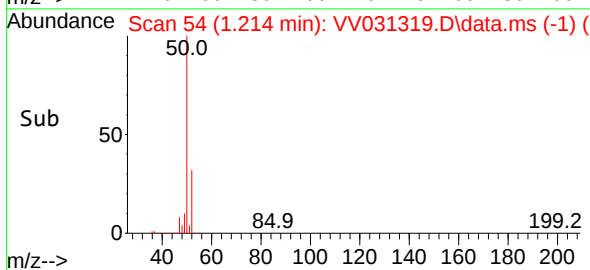
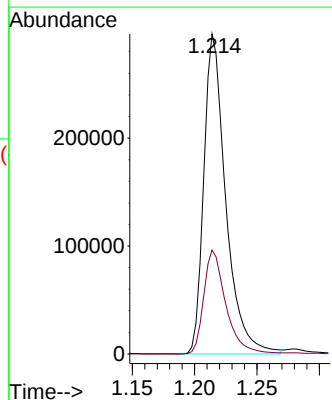
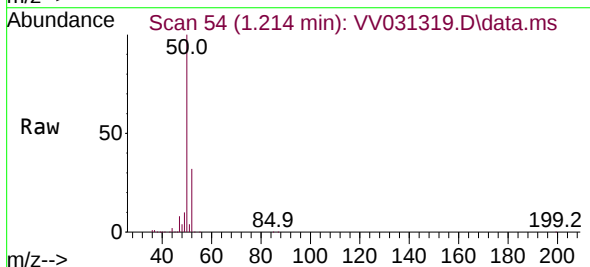
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020257

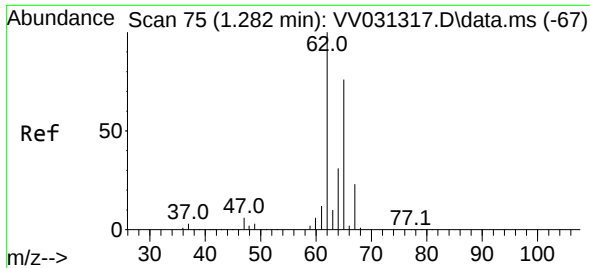
Tgt Ion: 85 Resp: 375749
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.6 38.4



#3
 Chloromethane
 Concen: 16.305 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

Tgt Ion: 50 Resp: 363864
 Ion Ratio Lower Upper
 50 100
 52 32.5 23.2 43.2

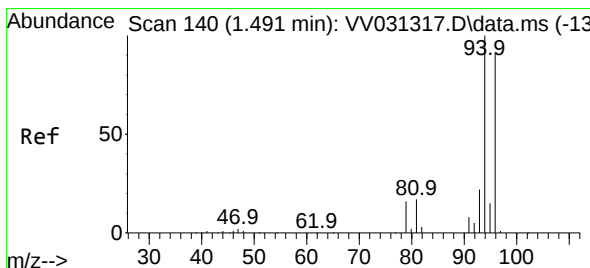
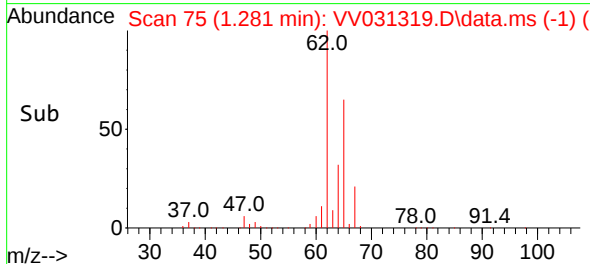
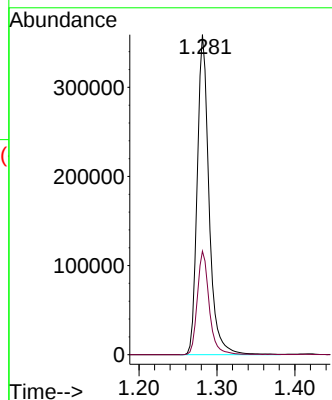
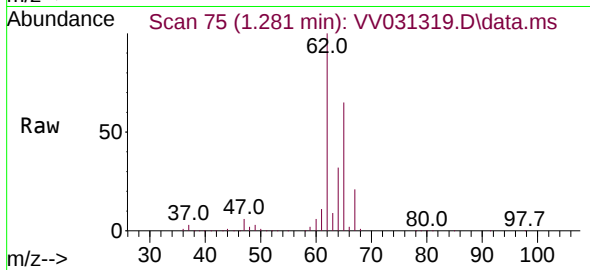




#5
 Vinyl chloride
 Concen: 16.883 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

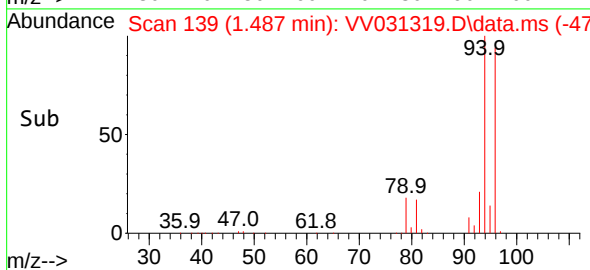
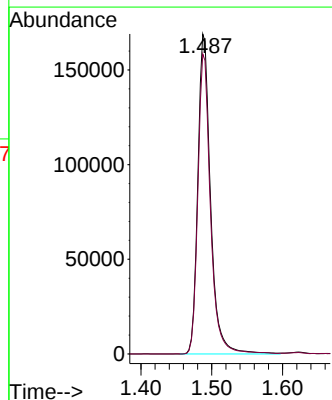
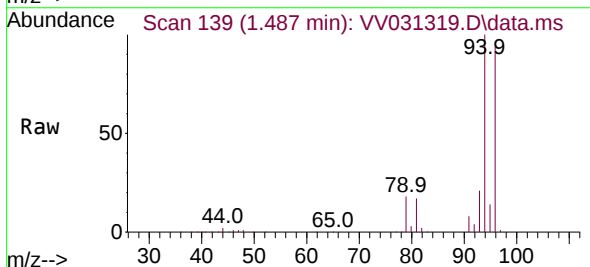
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020257

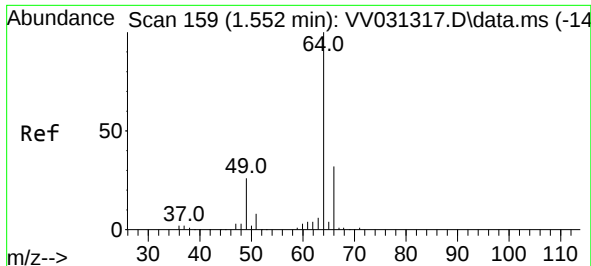
Tgt Ion: 62 Resp: 378166
 Ion Ratio Lower Upper
 62 100
 64 32.3 22.0 40.8



#6
 Bromomethane
 Concen: 16.905 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

Tgt Ion: 94 Resp: 211513
 Ion Ratio Lower Upper
 94 100
 96 93.8 63.7 118.3

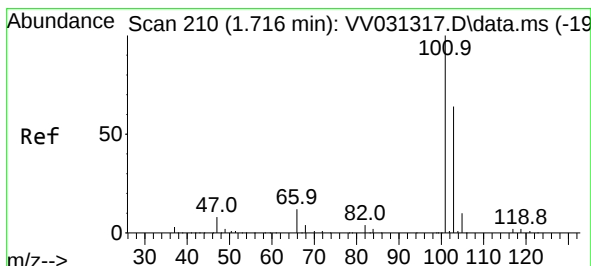
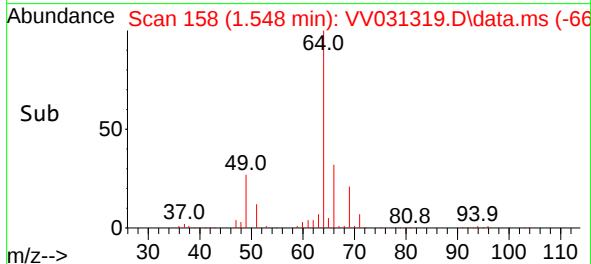
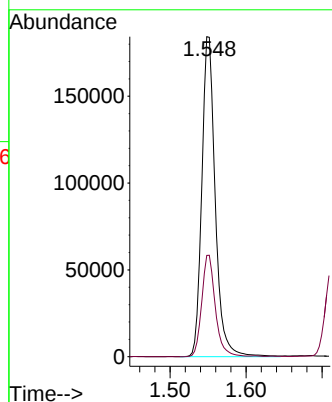
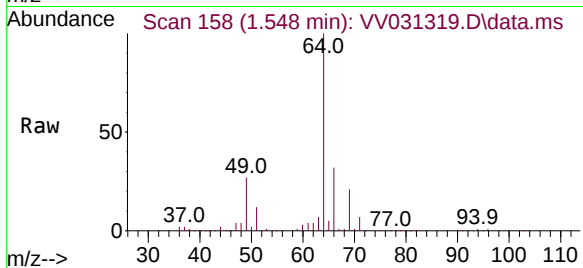




#8
Chloroethane
Concen: 16.113 ug/L
RT: 1.548 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

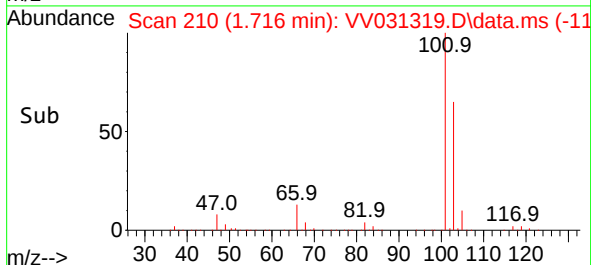
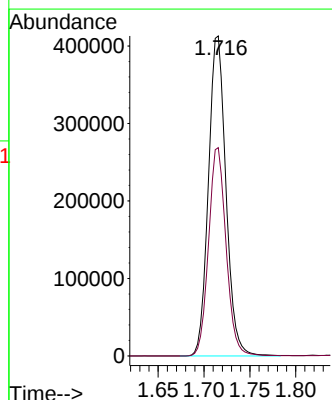
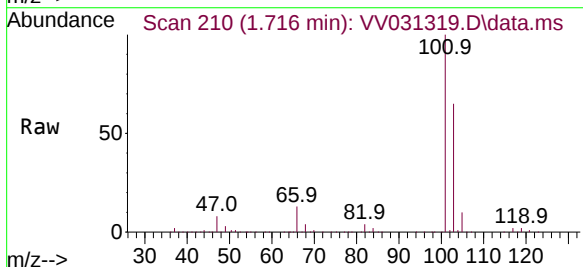
Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

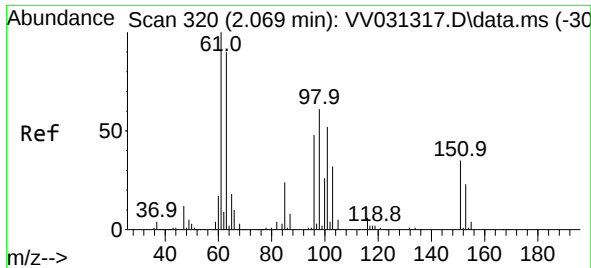
Tgt Ion: 64 Resp: 226179
Ion Ratio Lower Upper
64 100
66 31.7 22.5 41.9



#9
Trichlorofluoromethane
Concen: 16.374 ug/L
RT: 1.716 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion: 101 Resp: 548617
Ion Ratio Lower Upper
101 100
103 65.2 51.4 77.0

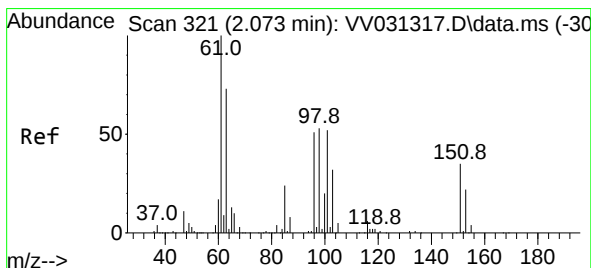
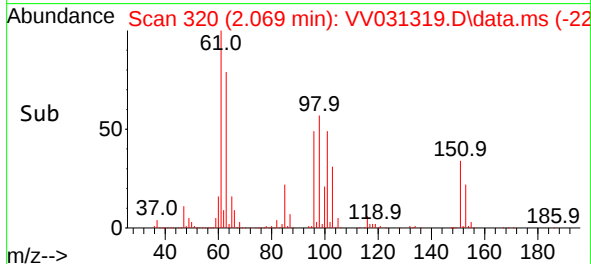
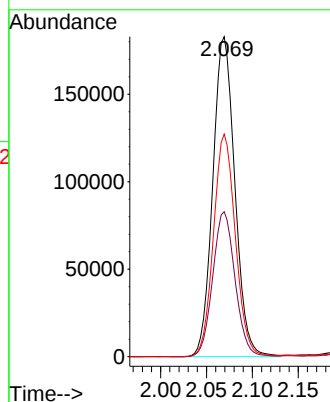
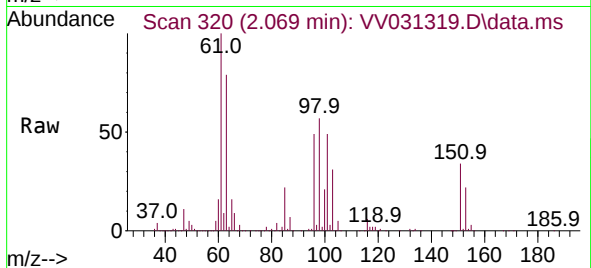




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 16.310 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

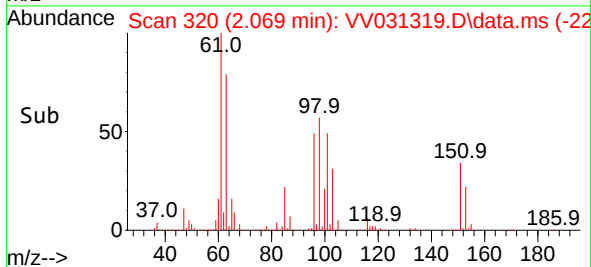
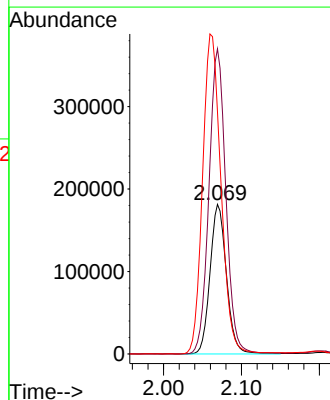
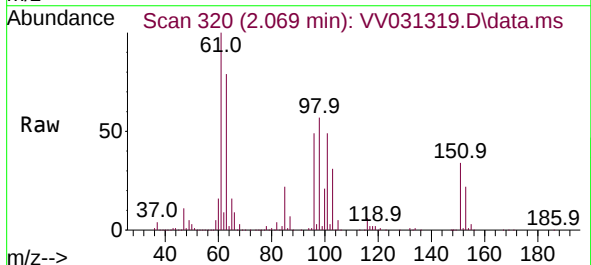
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020257

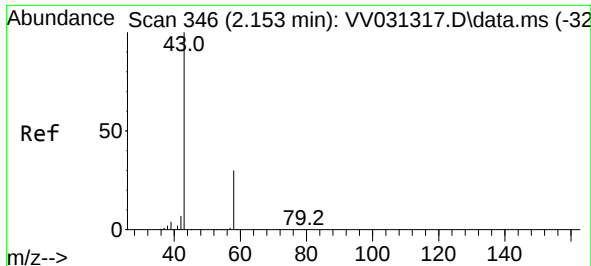
Tgt Ion:101 Resp: 305996
 Ion Ratio Lower Upper
 101 100
 85 45.8 37.2 55.8
 151 69.2 55.5 83.3



#12
 1,1-Dichloroethene
 Concen: 16.765 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.003 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

Tgt Ion: 96 Resp: 265558
 Ion Ratio Lower Upper
 96 100
 61 203.9 138.3 256.8
 63 161.8 101.9 189.3





#13

Acetone

Concen: 181.053 ug/L

RT: 2.162 min Scan# 34

Delta R.T. 0.010 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

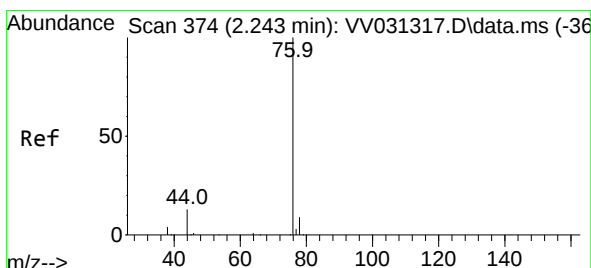
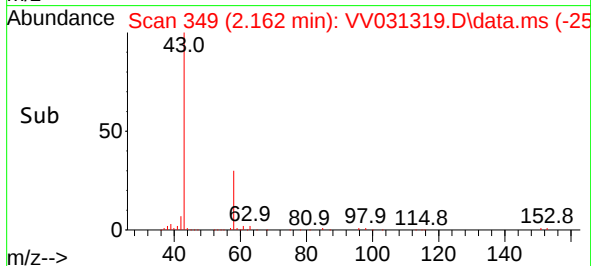
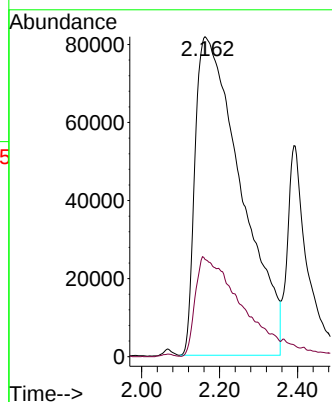
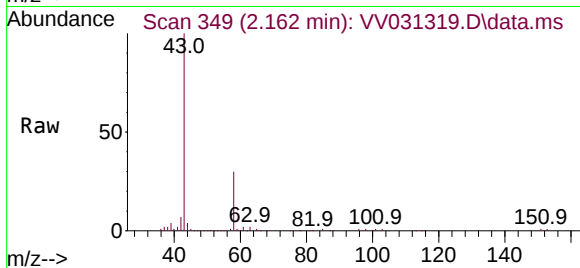
VSTD020257

Tgt Ion: 43 Resp: 666047

Ion Ratio Lower Upper

43 100

58 30.5 0.0 48.4



#14

Carbon disulfide

Concen: 17.153 ug/L

RT: 2.240 min Scan# 373

Delta R.T. -0.003 min

Lab File: VV031319.D

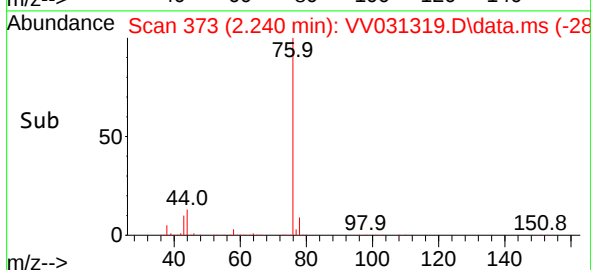
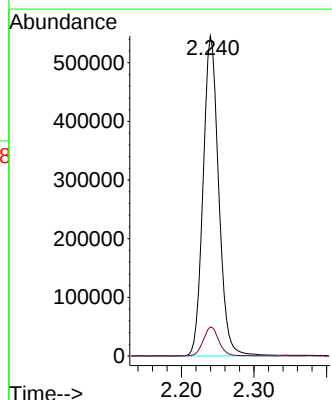
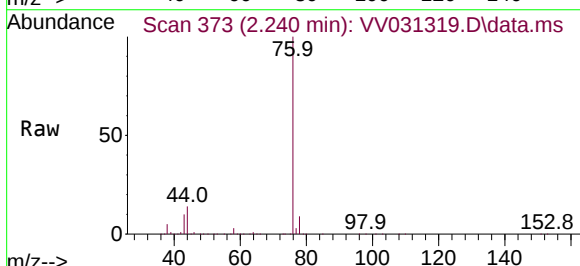
Acq: 01 Jun 2023 15:38

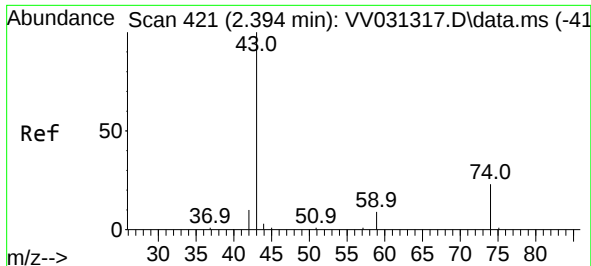
Tgt Ion: 76 Resp: 815907

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

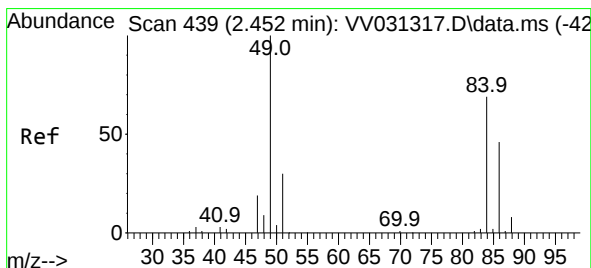
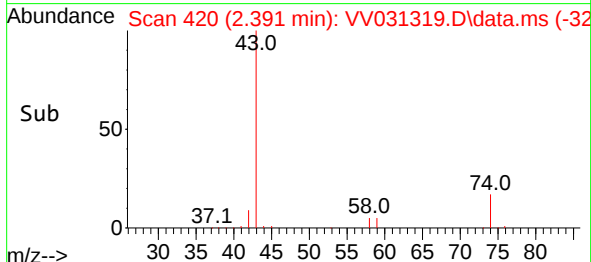
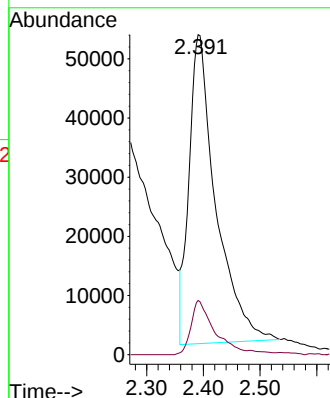
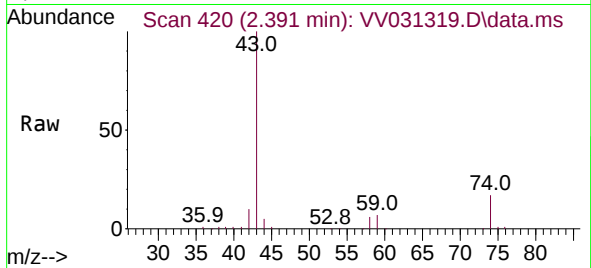




#15
Methyl Acetate
Concen: 25.799 ug/L
RT: 2.391 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

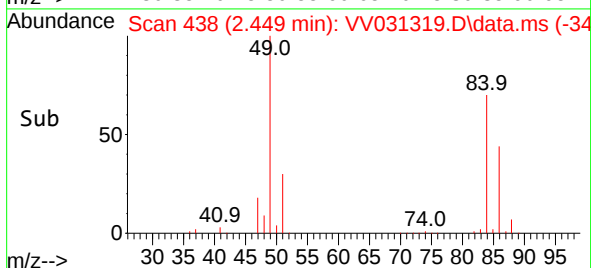
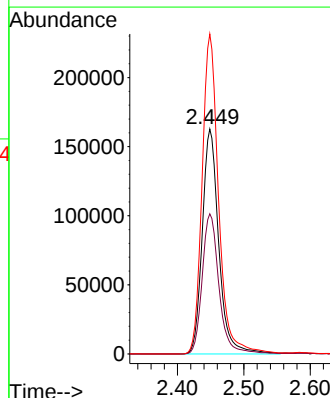
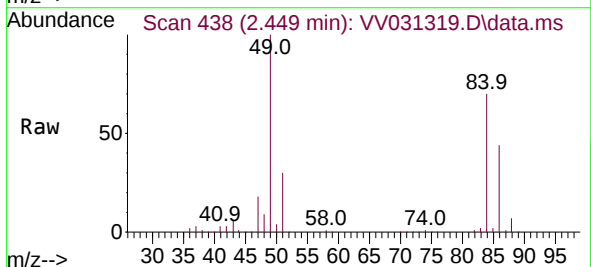
Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

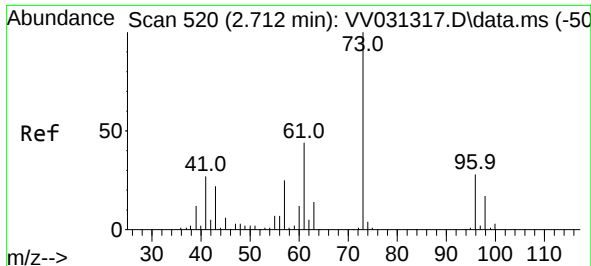
Tgt Ion: 43 Resp: 171733
Ion Ratio Lower Upper
43 100
74 15.1 16.2 24.2#



#16
Methylene chloride
Concen: 13.135 ug/L
RT: 2.449 min Scan# 438
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

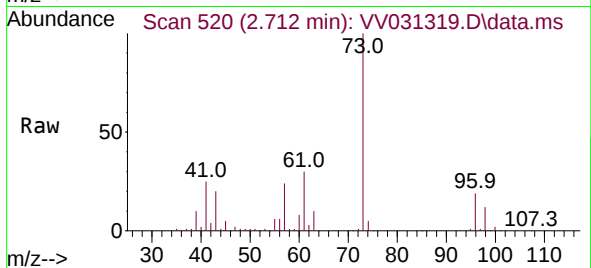
Tgt Ion: 84 Resp: 281280
Ion Ratio Lower Upper
84 100
86 62.3 46.7 86.7
49 142.3 101.6 188.8



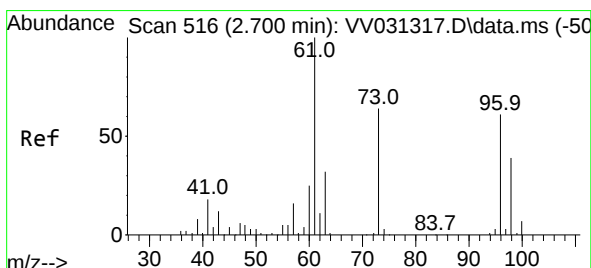
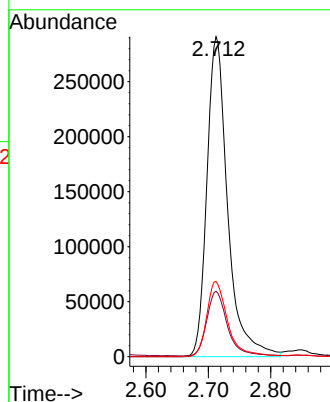
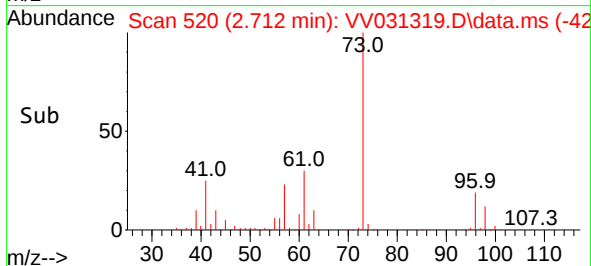


#17
Methyl tert-butyl Ether
Concen: 19.572 ug/L
RT: 2.712 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

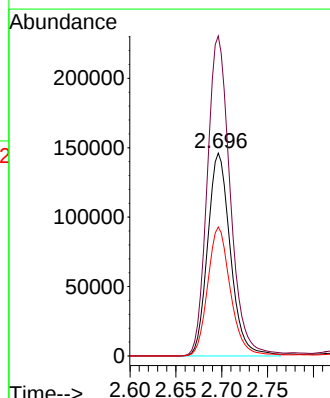
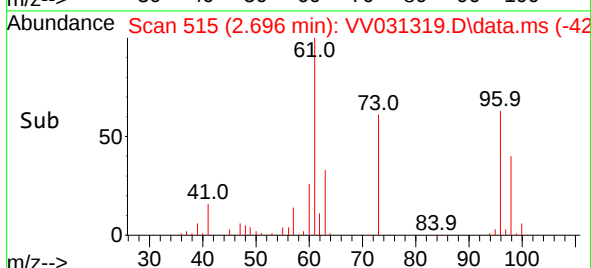
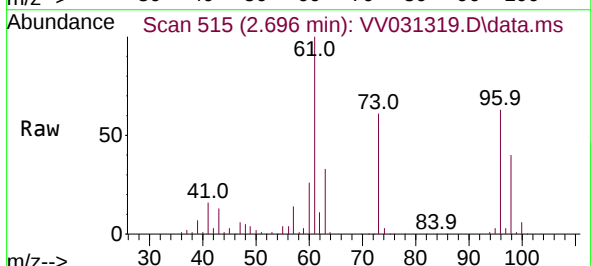


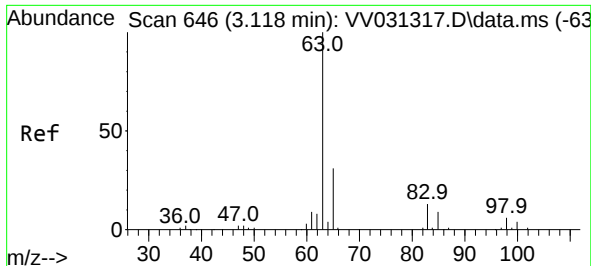
Tgt Ion: 73	Resp: 672190
Ion Ratio	Lower Upper
73 100	
43 20.0	17.8 26.8
57 23.8	19.8 29.8



#18
trans-1,2-Dichloroethene
Concen: 16.822 ug/L
RT: 2.696 min Scan# 515
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion: 96	Resp: 252043		
Ion Ratio	Lower	Upper	
96	100		
61	157.7	114.2	212.0
98	63.5	45.0	83.6





#19

1,1-Dichloroethane

Concen: 16.862 ug/L

RT: 3.114 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD020257

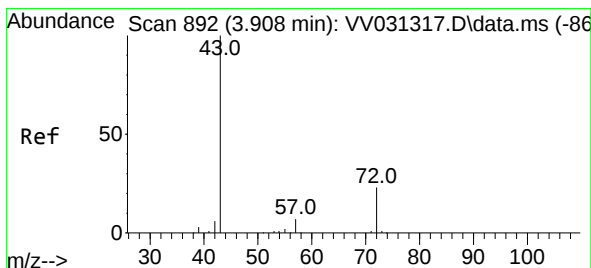
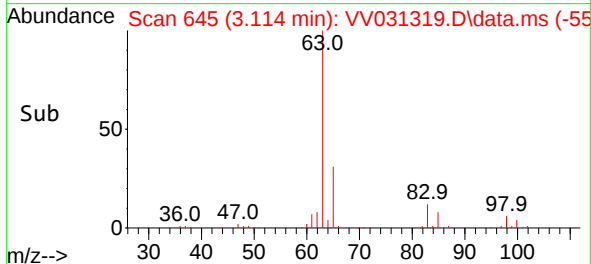
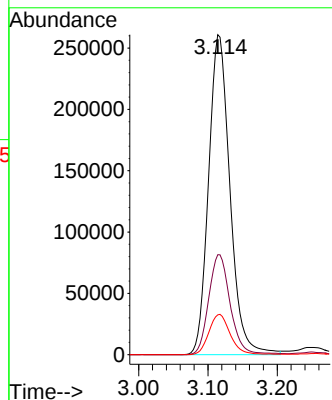
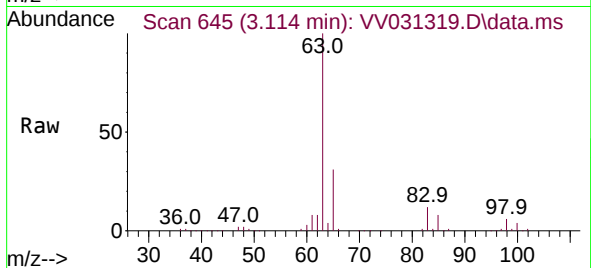
Tgt Ion: 63 Resp: 559382

Ion Ratio Lower Upper

63 100

65 31.3 22.0 40.8

83 12.4 9.0 16.6



#21

2-Butanone

Concen: 206.854 ug/L

RT: 3.902 min Scan# 890

Delta R.T. -0.007 min

Lab File: VV031319.D

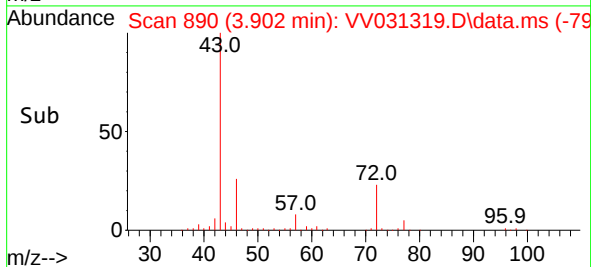
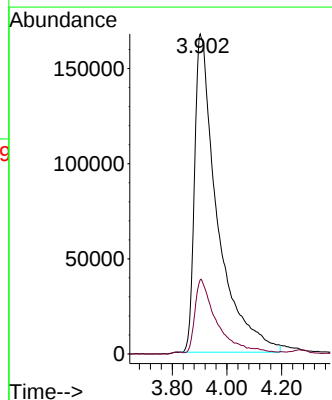
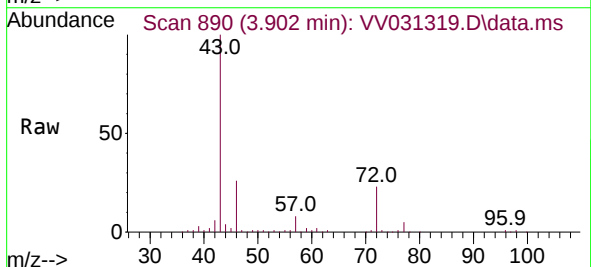
Acq: 01 Jun 2023 15:38

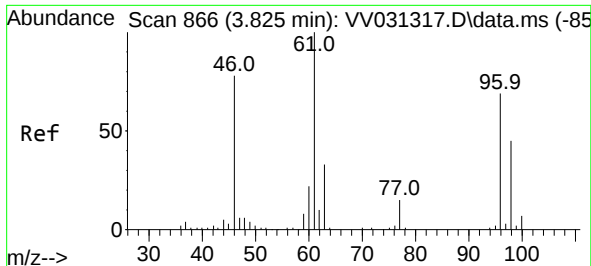
Tgt Ion: 43 Resp: 967610

Ion Ratio Lower Upper

43 100

72 20.8 7.8 23.5



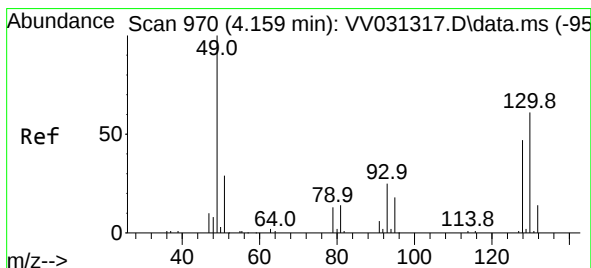
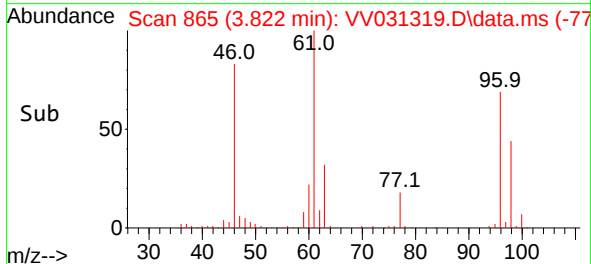
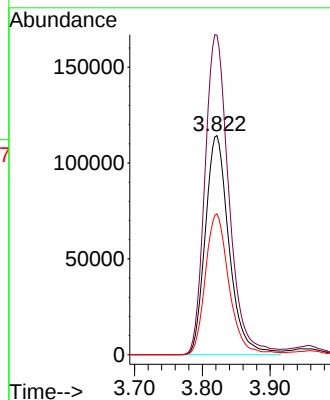
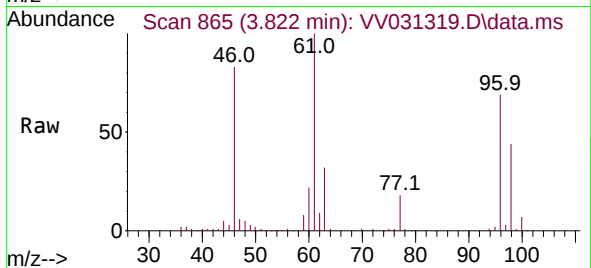


#22
 cis-1,2-Dichloroethene
 Concen: 17.864 ug/L
 RT: 3.822 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020257

Tgt Ion: 96 Resp: 278887

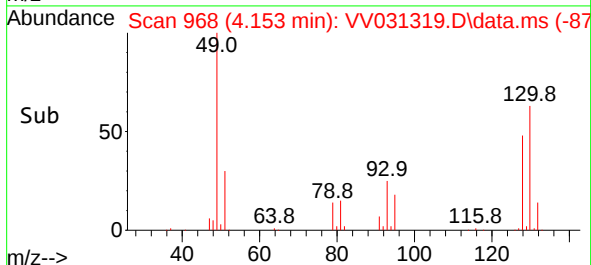
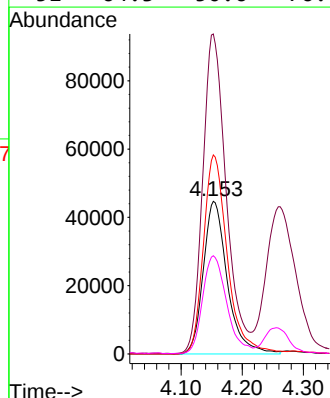
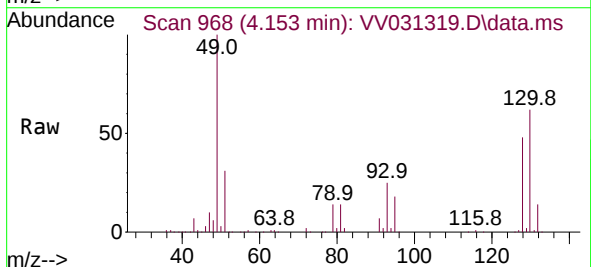
Ion	Ratio	Lower	Upper
96	100		
61	145.9	100.8	187.2
98	64.3	45.1	83.9

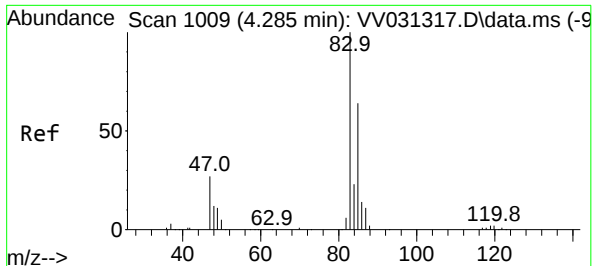


#23
 Bromochloromethane
 Concen: 17.394 ug/L
 RT: 4.153 min Scan# 968
 Delta R.T. -0.007 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

Tgt Ion: 128 Resp: 122187

Ion	Ratio	Lower	Upper
128	100		
49	209.5	148.1	275.0
130	130.3	89.9	166.9
51	64.3	50.6	76.0





#25

Chloroform

Concen: 16.050 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.003 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

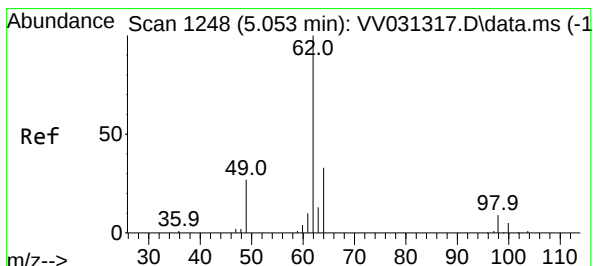
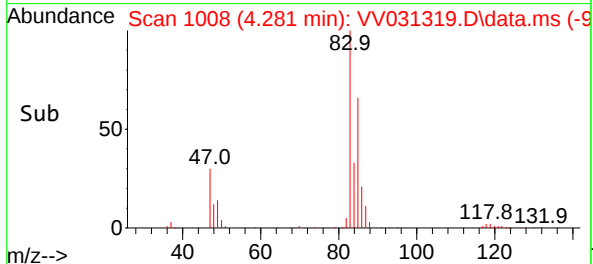
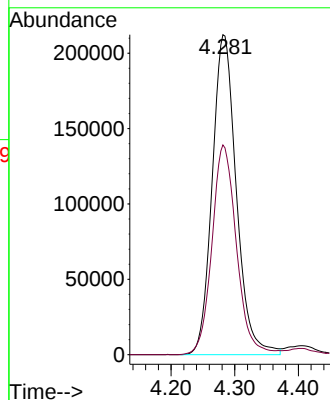
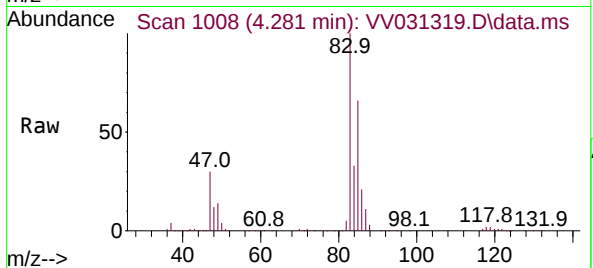
VSTD020257

Tgt Ion: 83 Resp: 559061

Ion Ratio Lower Upper

83 100

85 65.5 44.9 83.3



#27

1,2-Dichloroethane

Concen: 17.866 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV031319.D

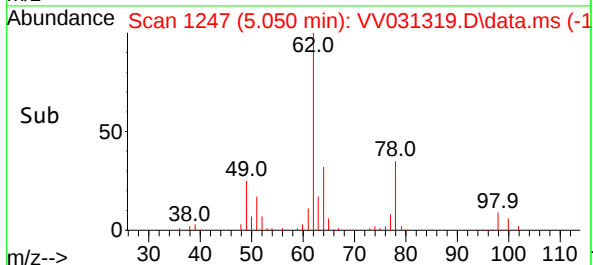
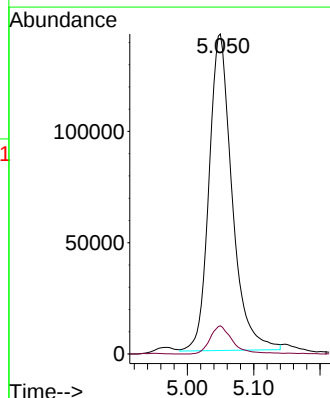
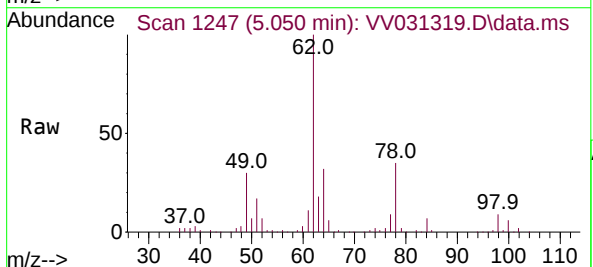
Acq: 01 Jun 2023 15:38

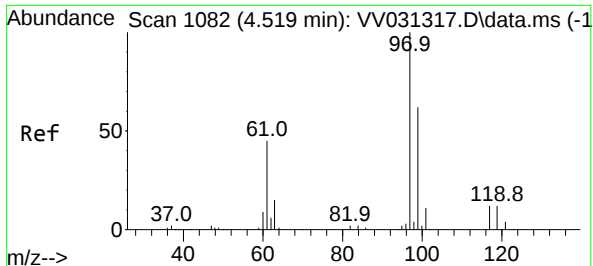
Tgt Ion: 62 Resp: 344238

Ion Ratio Lower Upper

62 100

98 8.8 7.2 10.8





#29

1,1,1-Trichloroethane

Concen: 16.334 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD020257

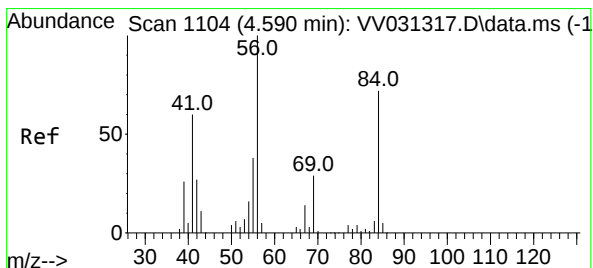
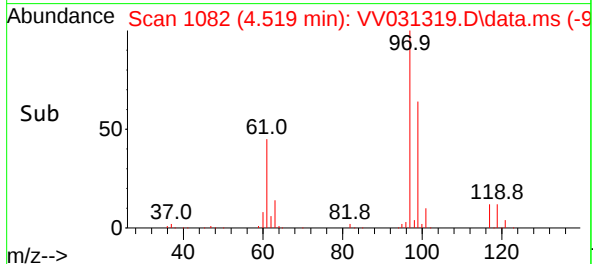
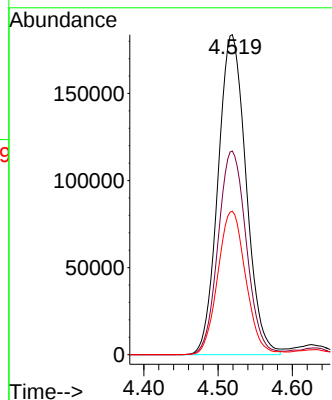
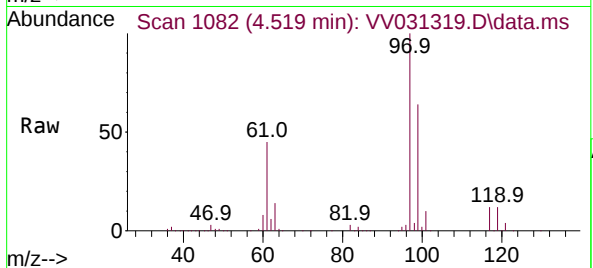
Tgt Ion: 97 Resp: 482288

Ion Ratio Lower Upper

97 100

99 64.2 52.2 78.4

61 44.9 36.4 54.6



#30

Cyclohexane

Concen: 19.265 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

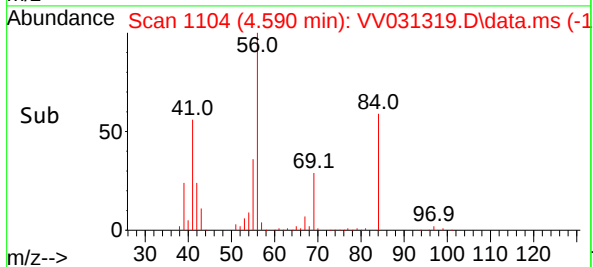
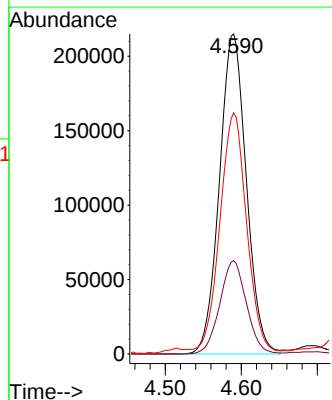
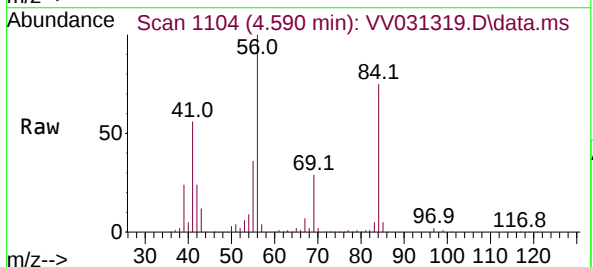
Tgt Ion: 56 Resp: 528893

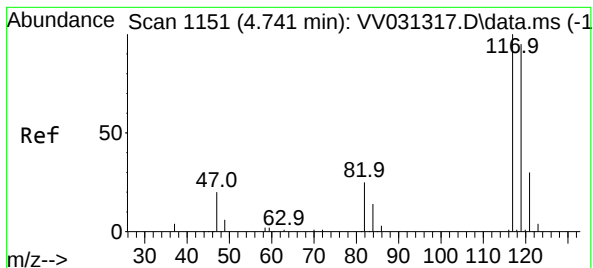
Ion Ratio Lower Upper

56 100

69 28.8 23.2 34.8

84 73.1 58.5 87.7





#31

Carbon tetrachloride

Concen: 16.140 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

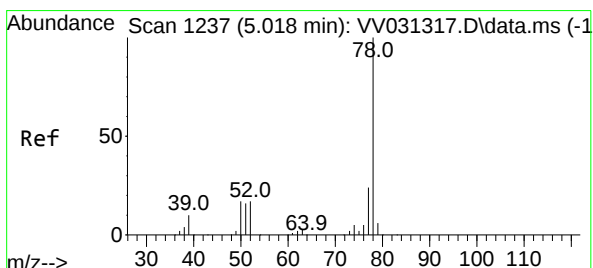
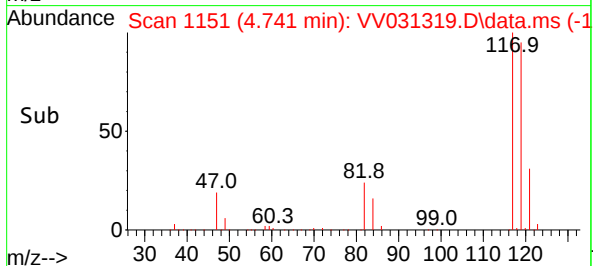
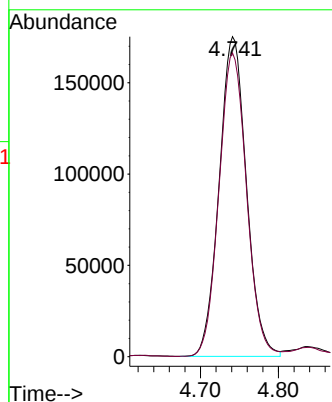
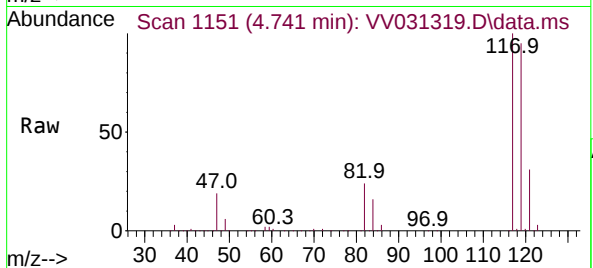
VSTD020257

Tgt Ion:117 Resp: 426185

Ion Ratio Lower Upper

117 100

119 95.8 76.3 114.5



#33

Benzene

Concen: 17.482 ug/L

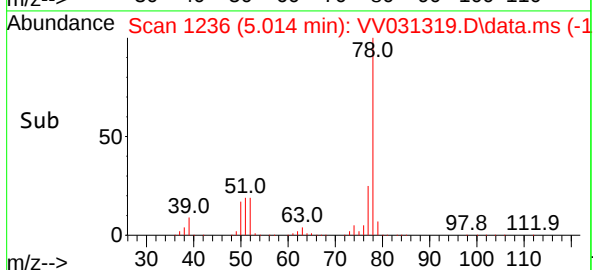
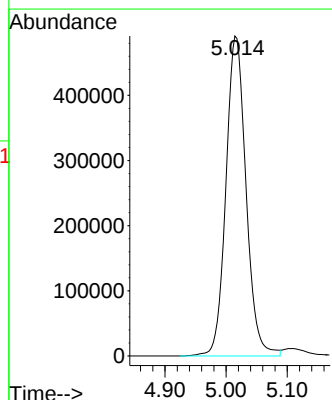
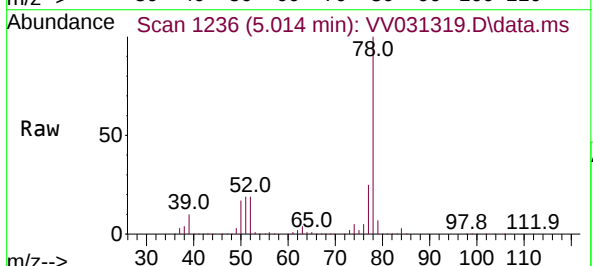
RT: 5.014 min Scan# 1236

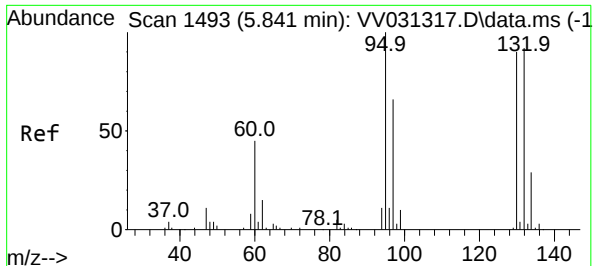
Delta R.T. -0.003 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Tgt Ion: 78 Resp: 1122504

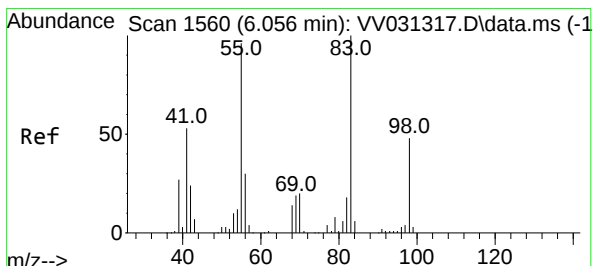
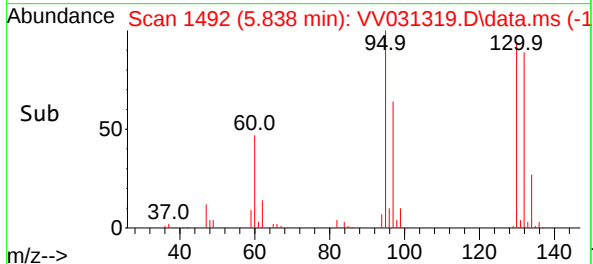
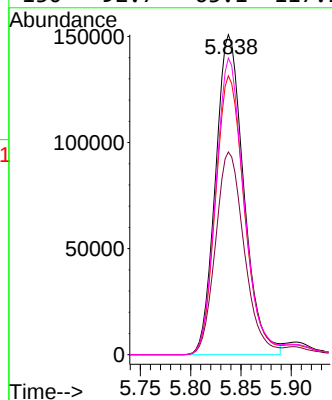
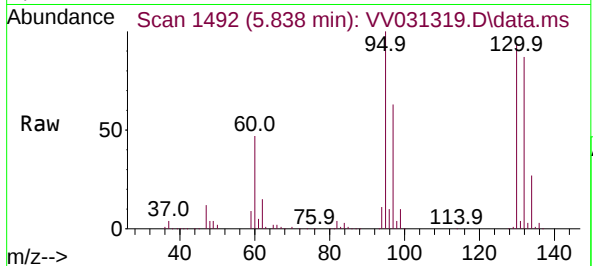




#34
Trichloroethene
Concen: 16.765 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

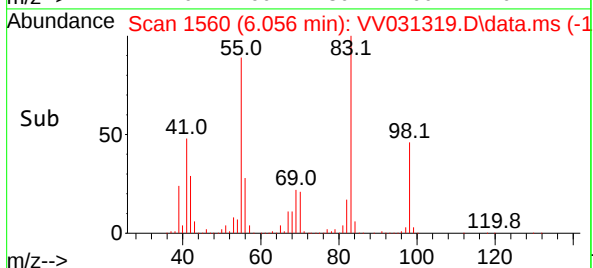
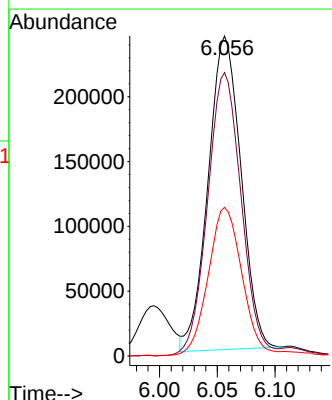
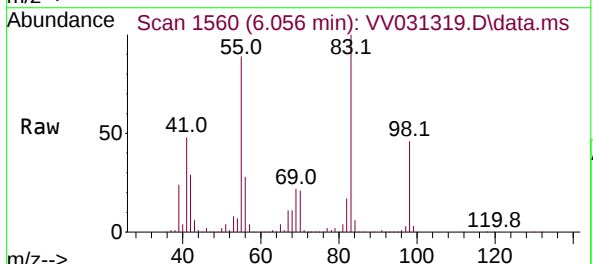
Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

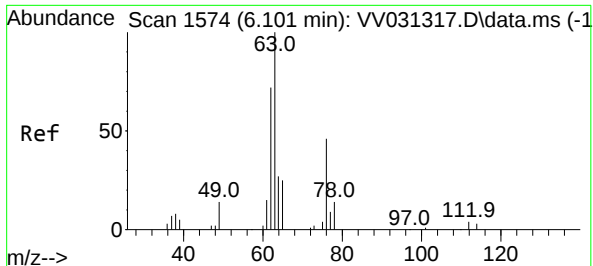
Tgt Ion: 95 Resp: 295189
Ion Ratio Lower Upper
95 100
97 63.3 46.1 85.5
132 87.1 64.5 119.9
130 92.7 63.1 117.1



#35
Methylcyclohexane
Concen: 18.379 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion: 83 Resp: 478007
Ion Ratio Lower Upper
83 100
55 92.6 74.6 112.0
98 49.0 36.5 54.7





#37

1,2-Dichloropropane

Concen: 19.605 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

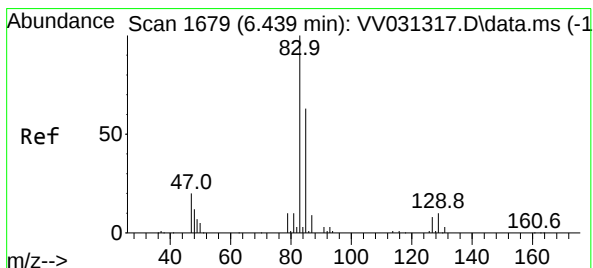
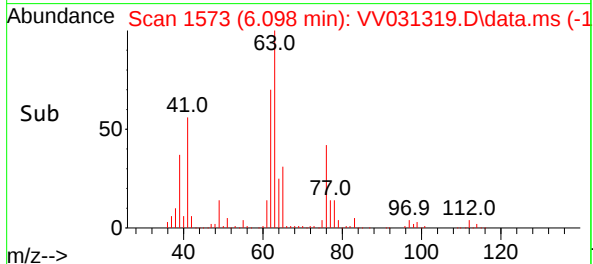
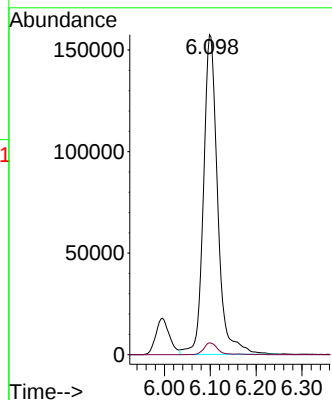
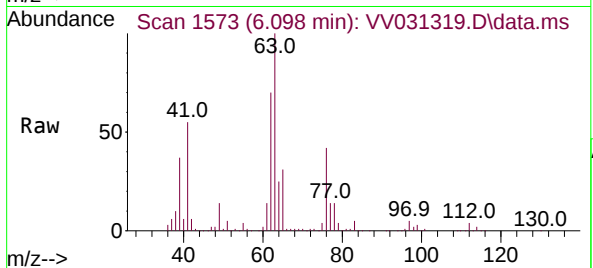
VSTD020257

Tgt Ion: 63 Resp: 337966

Ion Ratio Lower Upper

63 100

112 3.5 3.8 5.6#



#38

Bromodichloromethane

Concen: 17.154 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

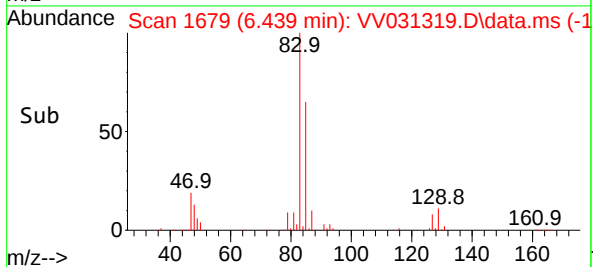
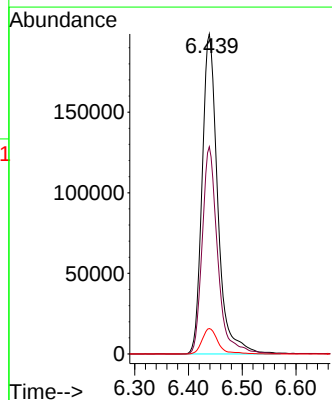
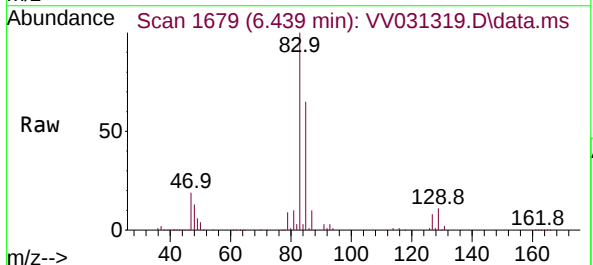
Tgt Ion: 83 Resp: 400102

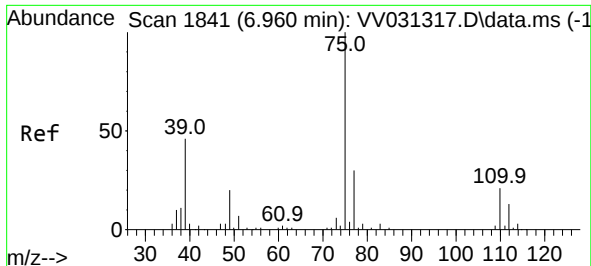
Ion Ratio Lower Upper

83 100

85 64.7 44.3 82.3

127 8.0 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 20.438 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

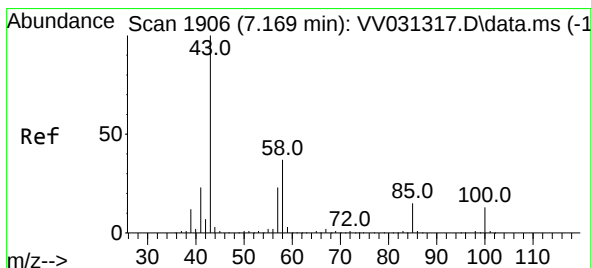
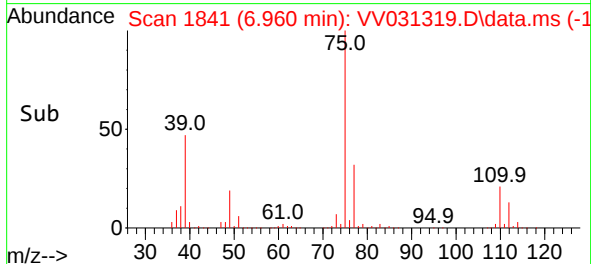
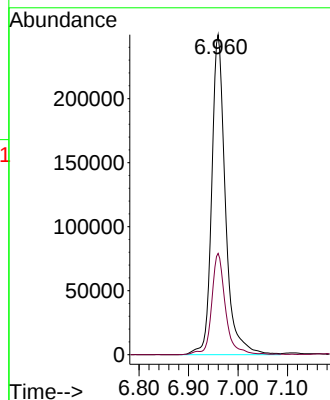
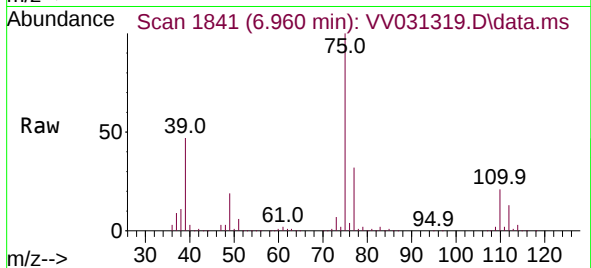
VSTD020257

Tgt Ion: 75 Resp: 480350

Ion Ratio Lower Upper

75 100

77 31.7 21.3 39.5



#40

4-Methyl-2-pentanone

Concen: 207.963 ug/L

RT: 7.169 min Scan# 1906

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

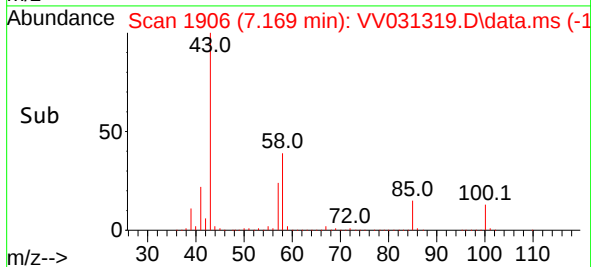
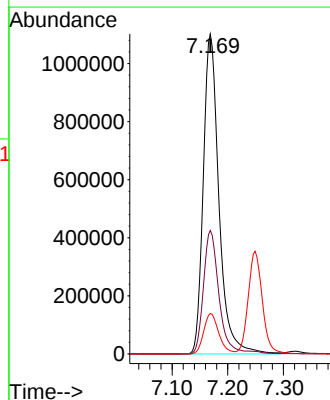
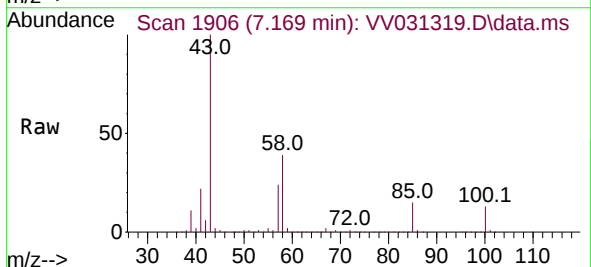
Tgt Ion: 43 Resp: 2151057

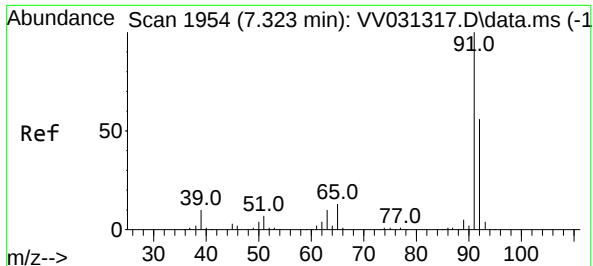
Ion Ratio Lower Upper

43 100

58 38.7 30.2 45.4

100 12.2 9.0 13.6





#42

Toluene

Concen: 18.337 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

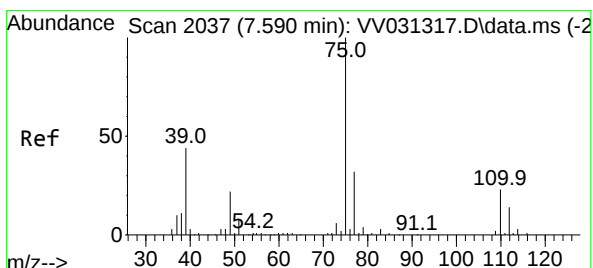
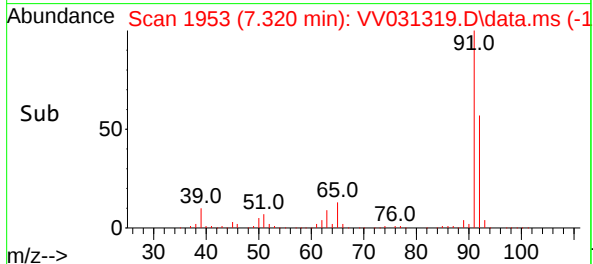
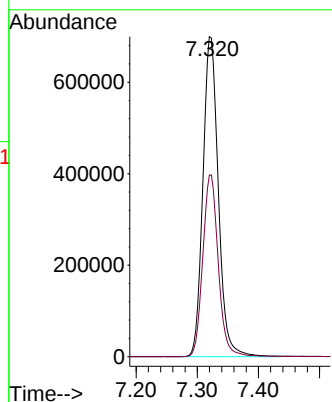
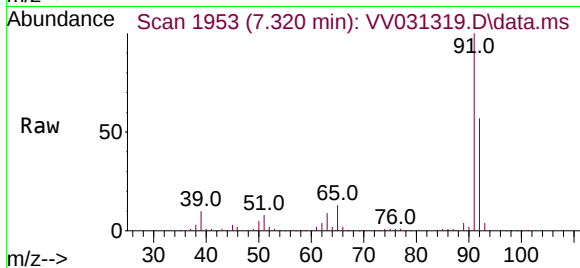
VSTD020257

Tgt Ion: 91 Resp: 1227963

Ion Ratio Lower Upper

91 100

92 56.7 39.2 72.8



#44

trans-1,3-Dichloropropene

Concen: 20.701 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV031319.D

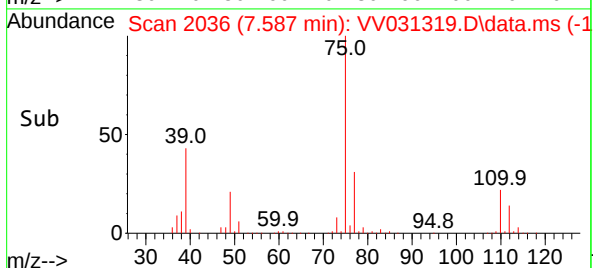
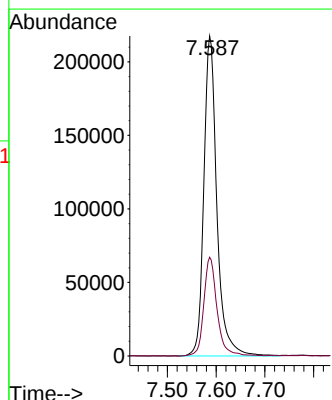
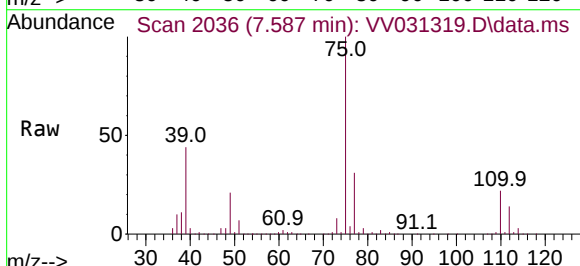
Acq: 01 Jun 2023 15:38

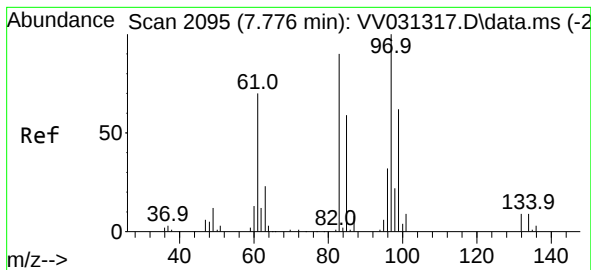
Tgt Ion: 75 Resp: 403787

Ion Ratio Lower Upper

75 100

77 30.9 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 17.411 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD020257

Tgt Ion: 97 Resp: 210257

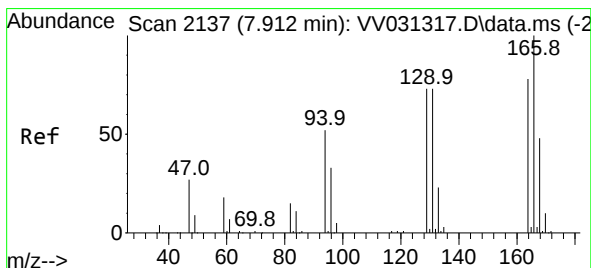
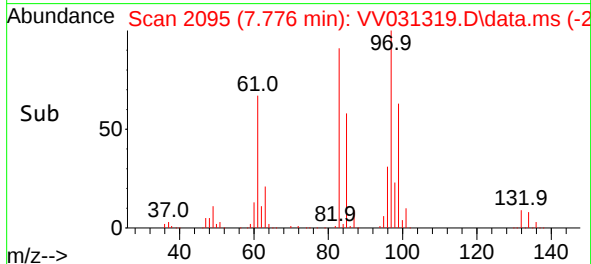
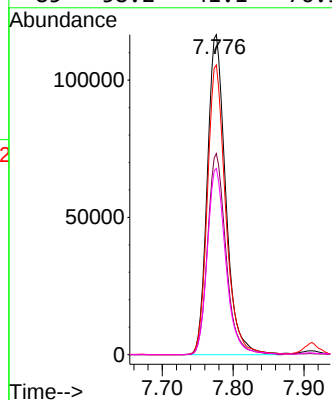
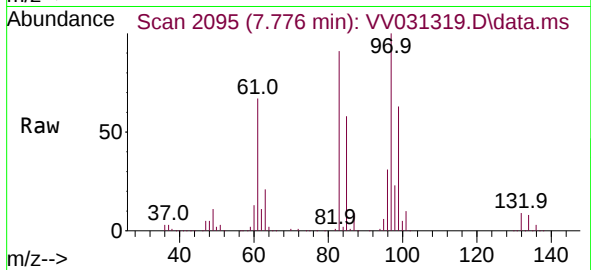
Ion Ratio Lower Upper

97 100

99 62.8 43.1 80.1

83 90.5 63.1 117.1

85 58.2 41.1 76.3



#47

Tetrachloroethene

Concen: 16.559 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Tgt Ion: 164 Resp: 221981

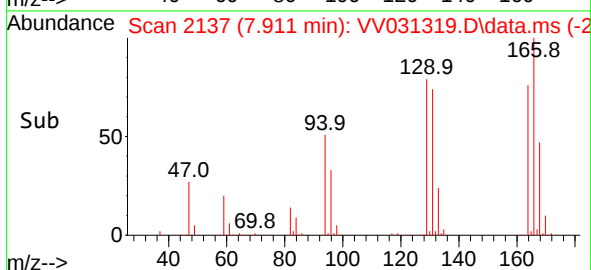
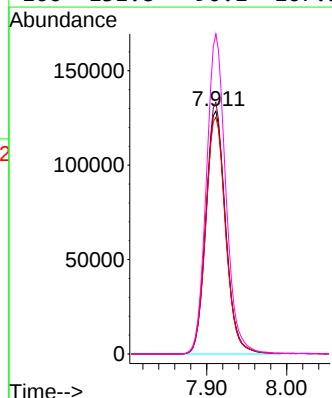
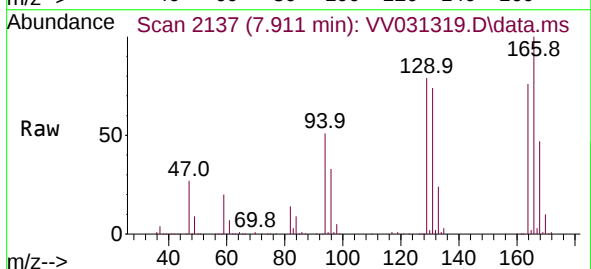
Ion Ratio Lower Upper

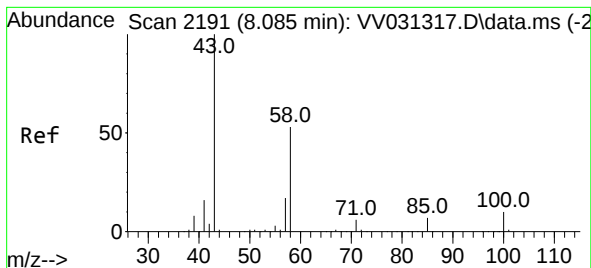
164 100

129 103.6 66.0 122.6

131 97.5 65.3 121.3

166 131.8 90.1 167.3





#48

2-Hexanone

Concen: 204.257 ug/L

RT: 8.085 min Scan# 2191

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD020257

Tgt Ion: 43 Resp: 1603280

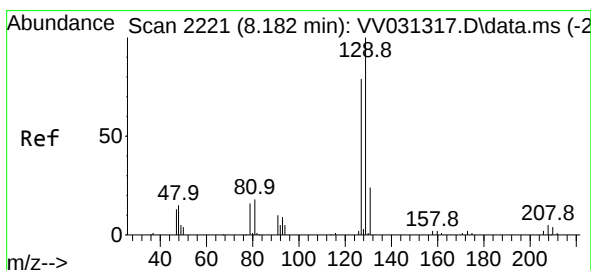
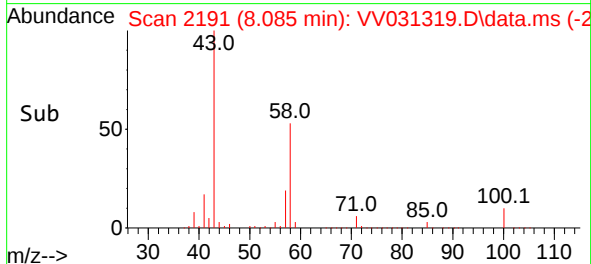
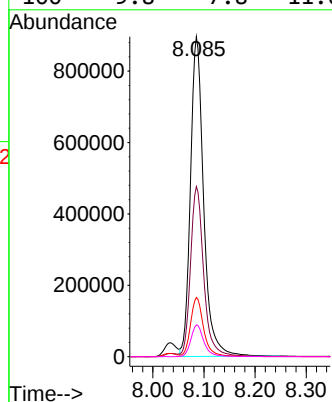
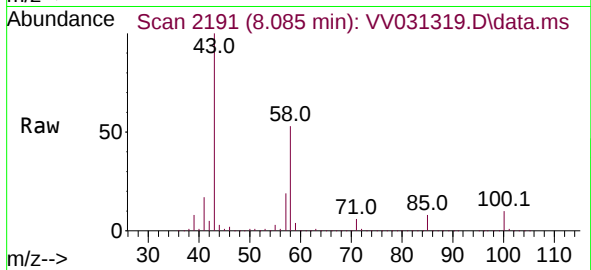
Ion Ratio Lower Upper

43 100

58 53.2 41.1 61.7

57 18.2 14.4 21.6

100 9.8 7.8 11.6



#49

Dibromochloromethane

Concen: 18.124 ug/L

RT: 8.185 min Scan# 2222

Delta R.T. 0.003 min

Lab File: VV031319.D

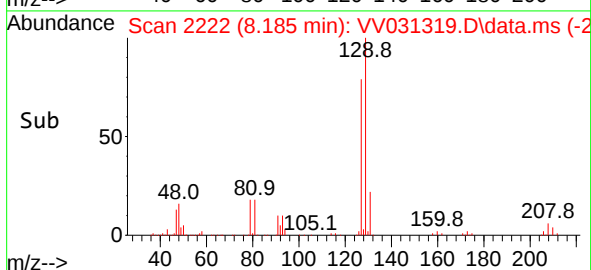
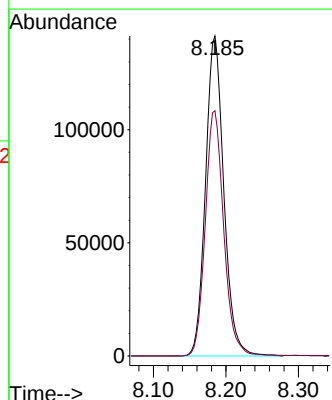
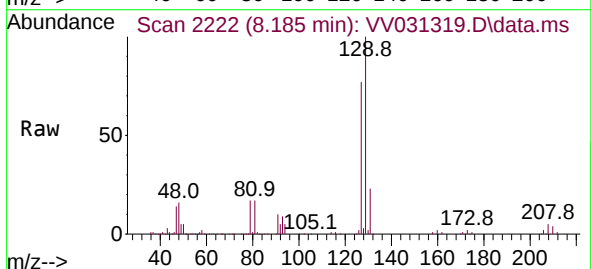
Acq: 01 Jun 2023 15:38

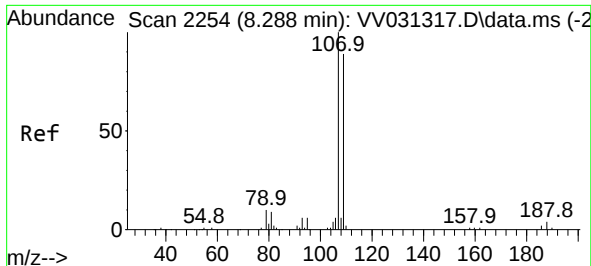
Tgt Ion:129 Resp: 247778

Ion Ratio Lower Upper

129 100

127 76.6 55.0 102.2





#50

1,2-Dibromoethane

Concen: 17.425 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD020257

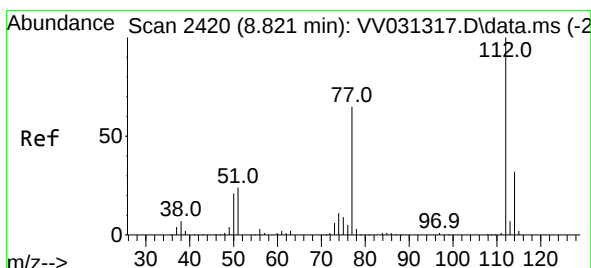
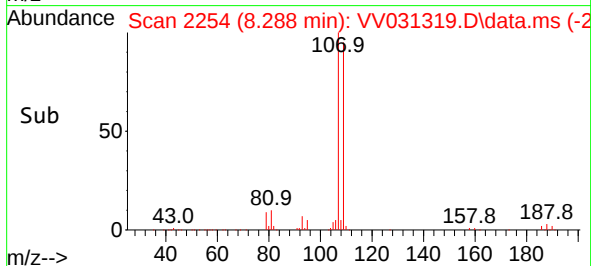
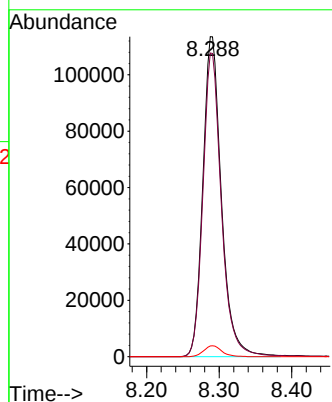
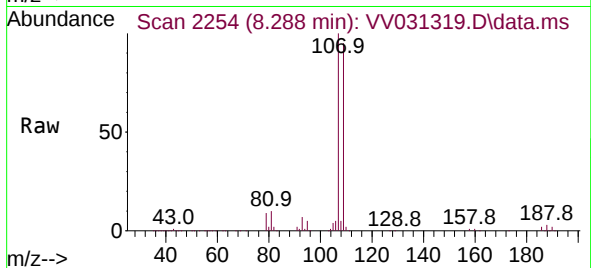
Tgt Ion:107 Resp: 201933

Ion Ratio Lower Upper

107 100

109 94.9 62.2 115.4

188 3.3 3.0 4.4



#51

Chlorobenzene

Concen: 17.772 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

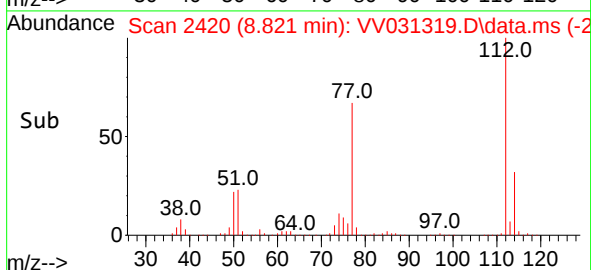
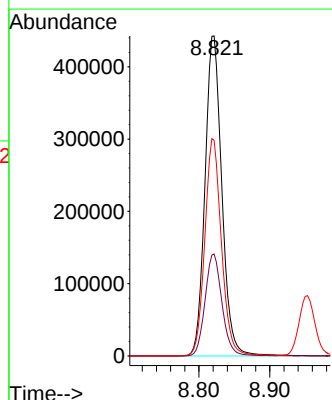
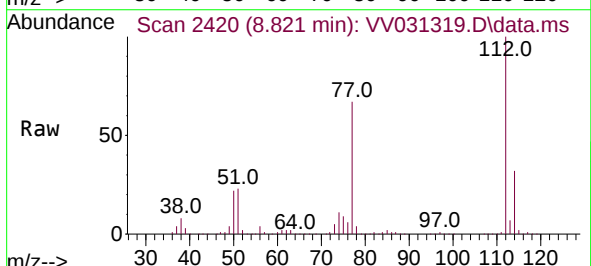
Tgt Ion:112 Resp: 730747

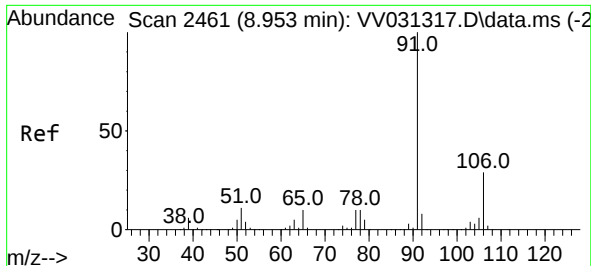
Ion Ratio Lower Upper

112 100

114 31.8 22.7 42.1

77 67.3 52.2 78.2

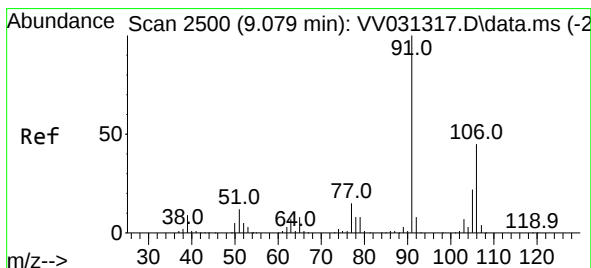
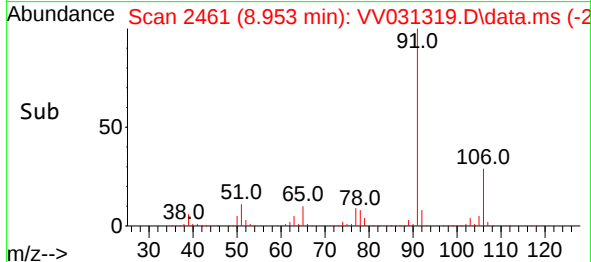
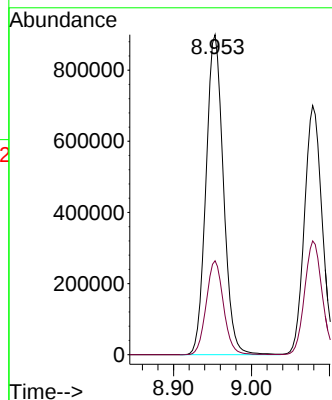
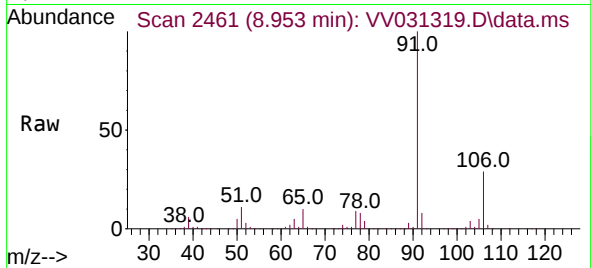




#52
Ethylbenzene
Concen: 19.872 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

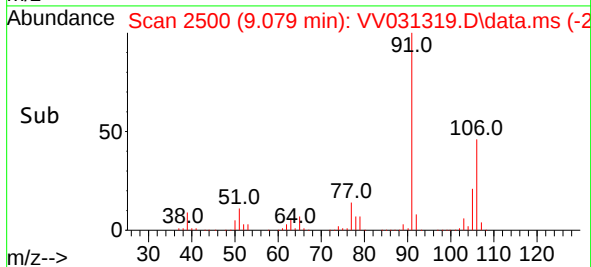
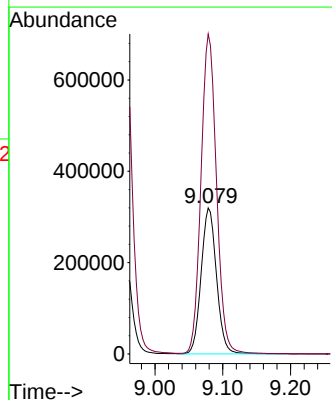
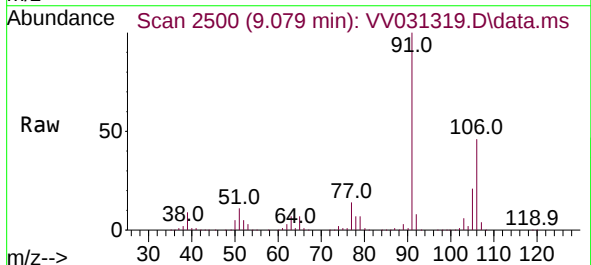
Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

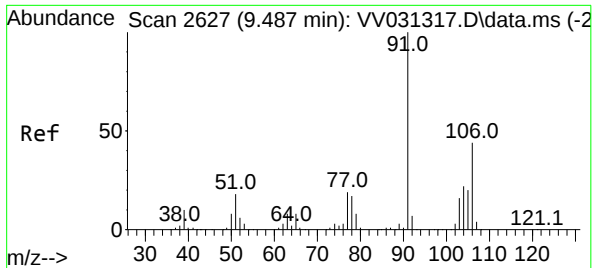
Tgt Ion: 91 Resp: 1396960
Ion Ratio Lower Upper
91 100
106 29.4 20.0 37.2



#53
m,p-Xylene
Concen: 19.832 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion: 106 Resp: 501448
Ion Ratio Lower Upper
106 100
91 219.0 154.3 286.5

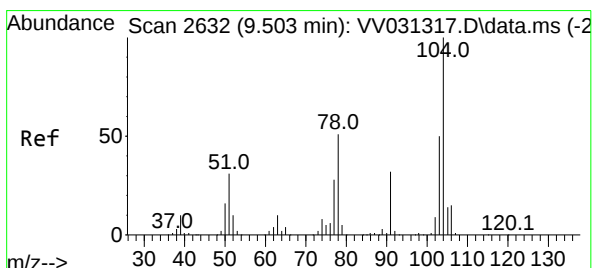
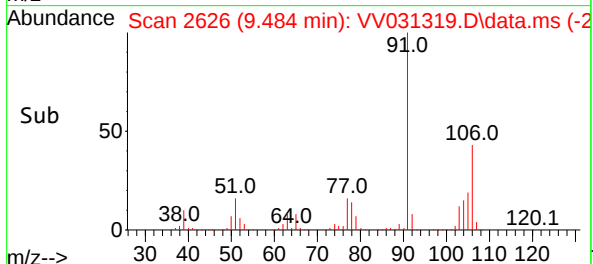
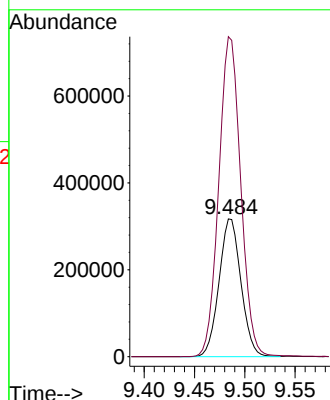
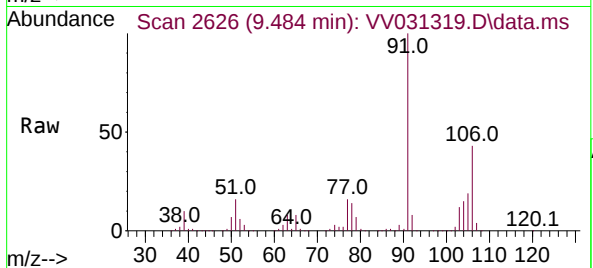




#54
o-Xylene
Concen: 20.223 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

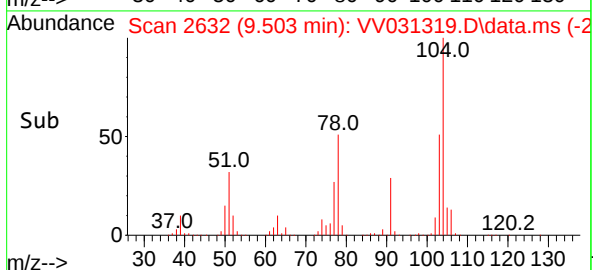
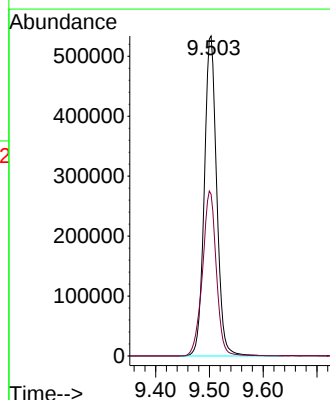
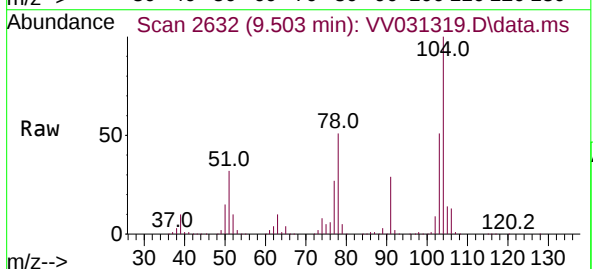
Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

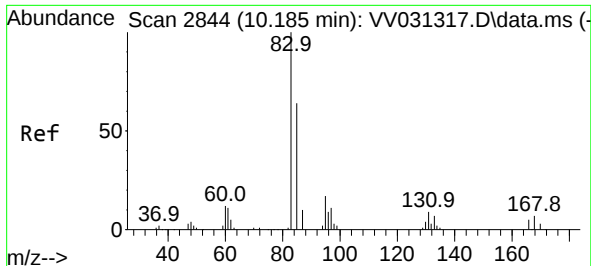
Tgt Ion:106 Resp: 481035
Ion Ratio Lower Upper
106 100
91 232.3 159.0 295.4



#55
Styrene
Concen: 20.391 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion:104 Resp: 857136
Ion Ratio Lower Upper
104 100
78 50.5 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 17.879 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD020257

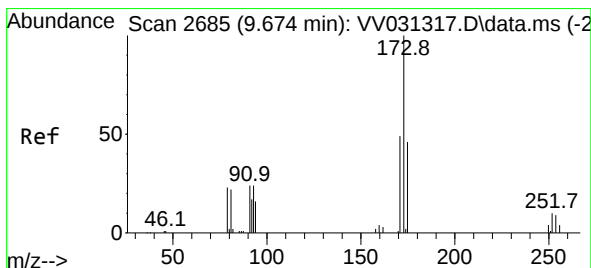
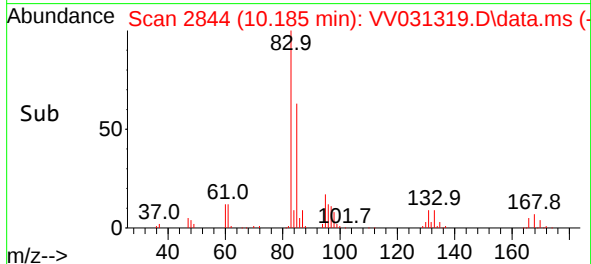
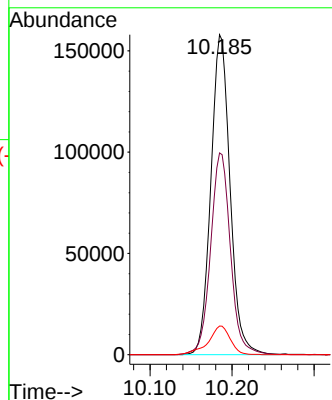
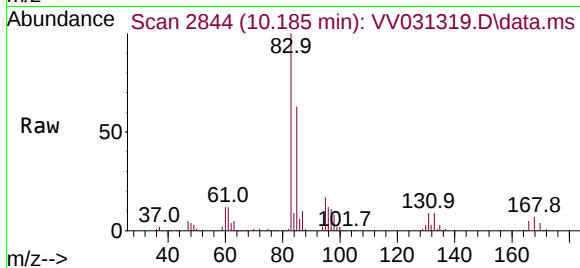
Tgt Ion: 83 Resp: 257451

Ion Ratio Lower Upper

83 100

85 63.0 45.0 83.6

131 8.9 7.3 10.9



#59

Bromoform

Concen: 17.692 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

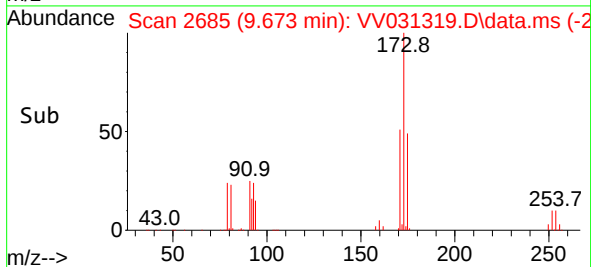
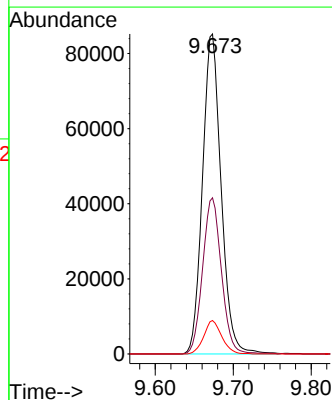
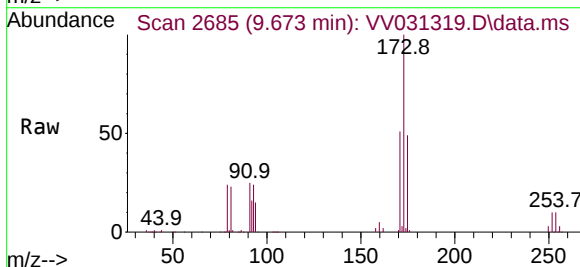
Tgt Ion: 173 Resp: 141536

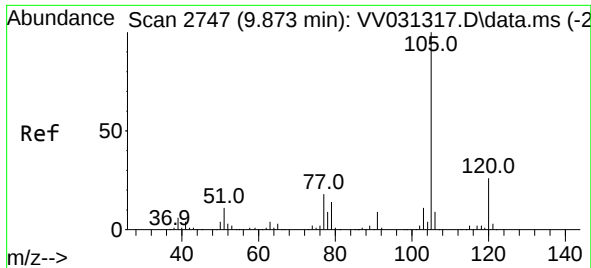
Ion Ratio Lower Upper

173 100

175 49.3 38.9 58.3

254 10.1 7.8 11.8

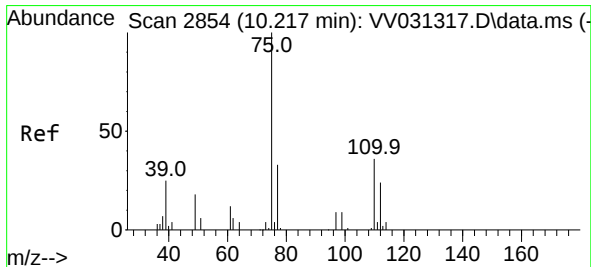
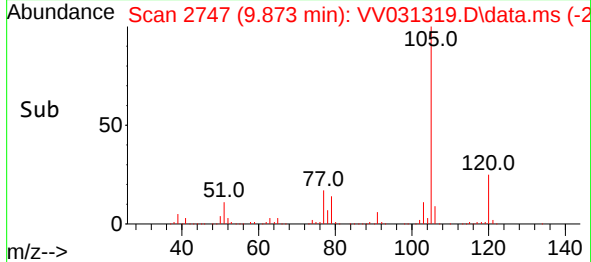
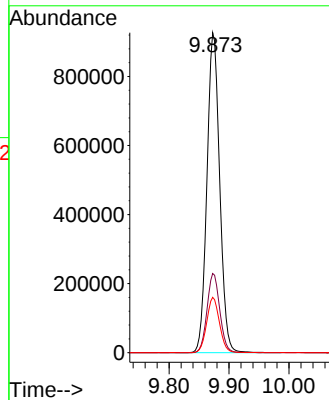
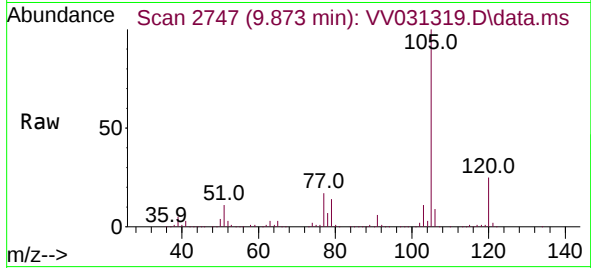




#60
Isopropylbenzene
Concen: 19.294 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

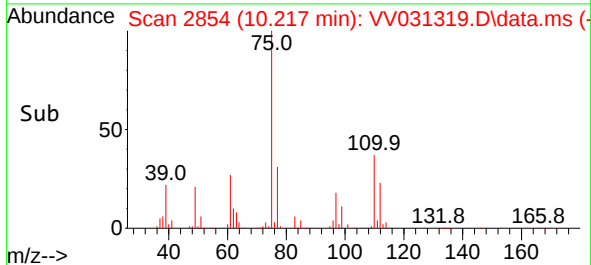
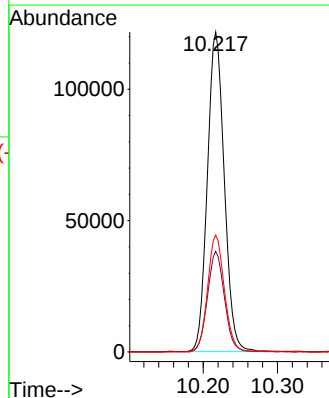
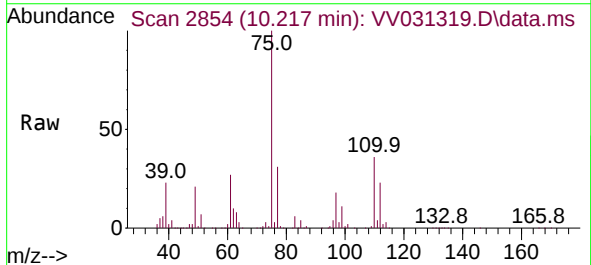
Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

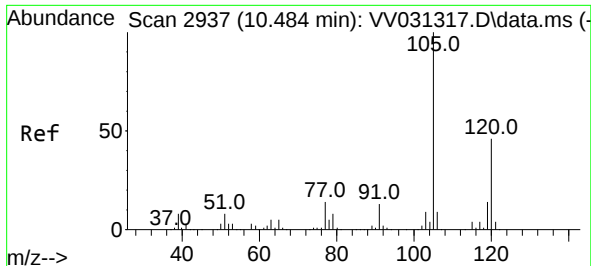
Tgt Ion:105 Resp: 1368900
Ion Ratio Lower Upper
105 100
120 24.8 19.9 29.9
77 17.4 14.2 21.2



#61
1,2,3-Trichloropropane
Concen: 17.217 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion: 75 Resp: 191704
Ion Ratio Lower Upper
75 100
77 31.4 27.3 40.9
110 36.4 29.4 44.0

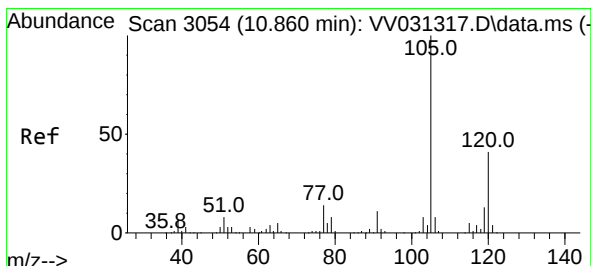
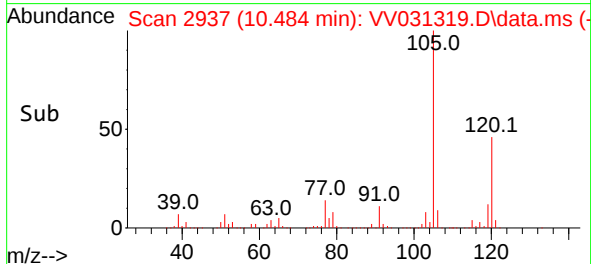
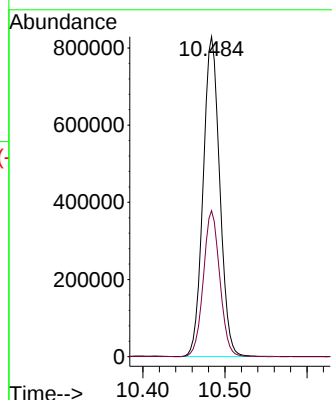
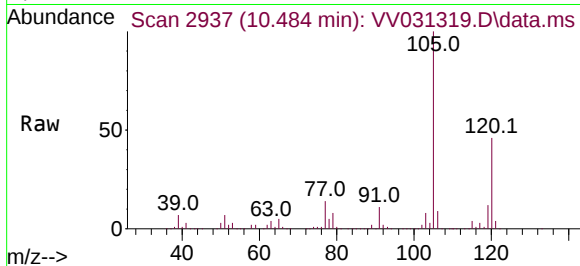




#62
 1,3,5-Trimethylbenzene
 Concen: 20.182 ug/L
 RT: 10.484 min Scan# 2937
 Delta R.T. -0.000 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

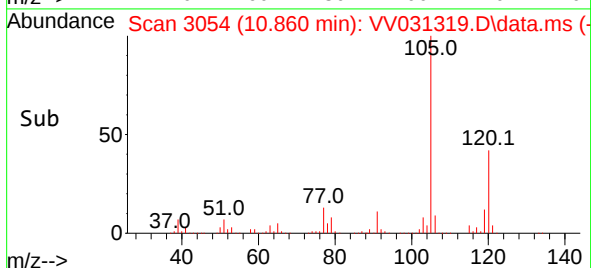
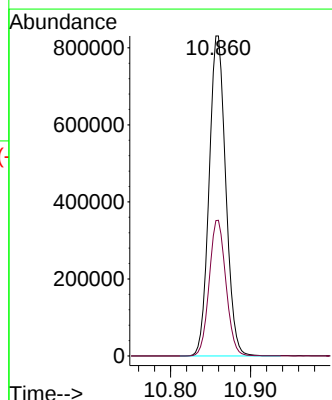
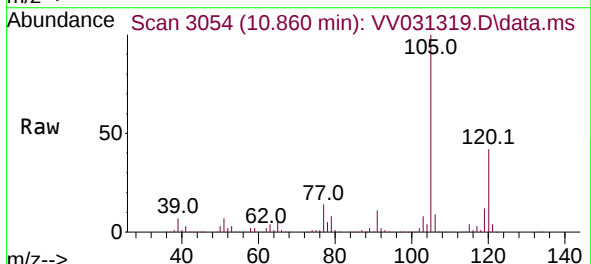
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020257

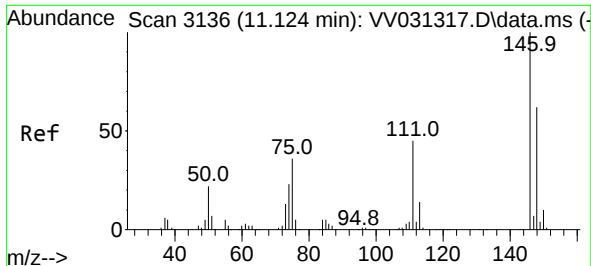
Tgt Ion:105 Resp: 1164121
 Ion Ratio Lower Upper
 105 100
 120 45.1 35.9 53.9



#63
 1,2,4-Trimethylbenzene
 Concen: 20.355 ug/L
 RT: 10.860 min Scan# 3054
 Delta R.T. -0.000 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

Tgt Ion:105 Resp: 1202957
 Ion Ratio Lower Upper
 105 100
 120 42.6 33.2 49.8

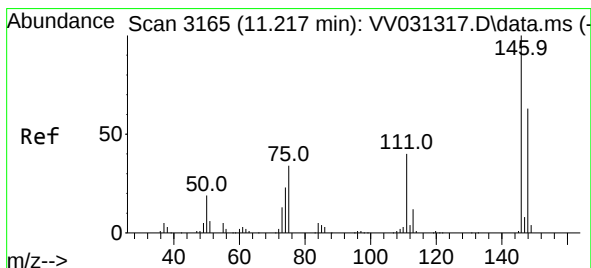
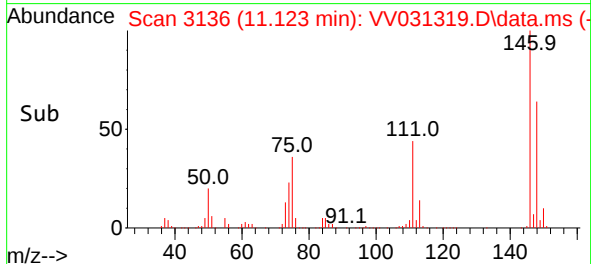
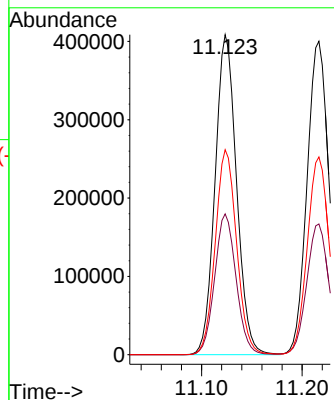
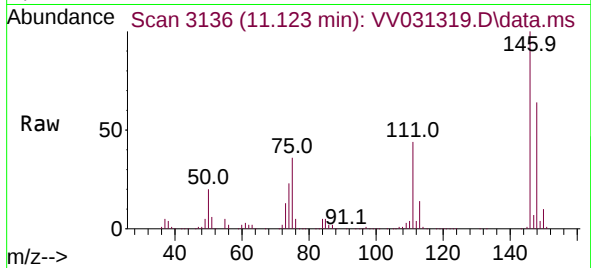




#64
1,3-Dichlorobenzene
Concen: 17.679 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

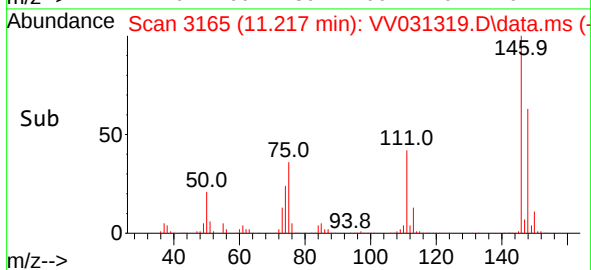
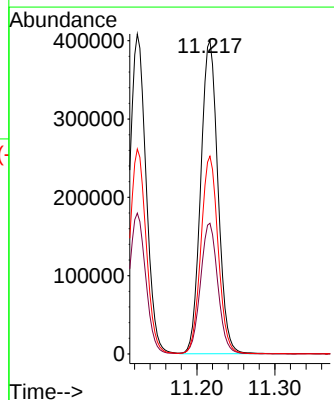
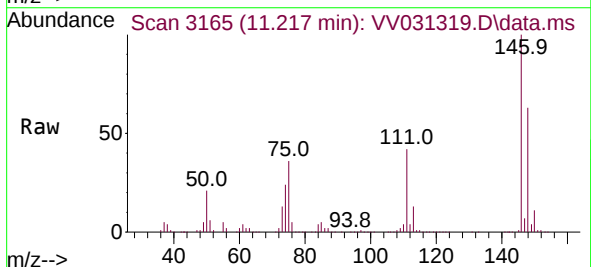
Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

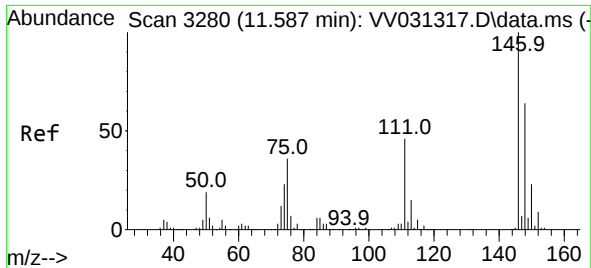
Tgt Ion:146 Resp: 605948
Ion Ratio Lower Upper
146 100
111 44.0 31.1 57.9
148 64.0 43.6 81.0



#65
1,4-Dichlorobenzene
Concen: 17.748 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion:146 Resp: 613215
Ion Ratio Lower Upper
146 100
111 41.7 28.4 52.8
148 63.1 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 17.763 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD020257

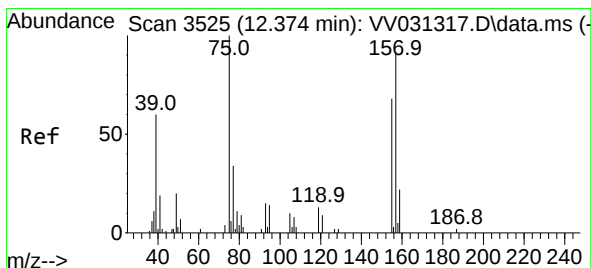
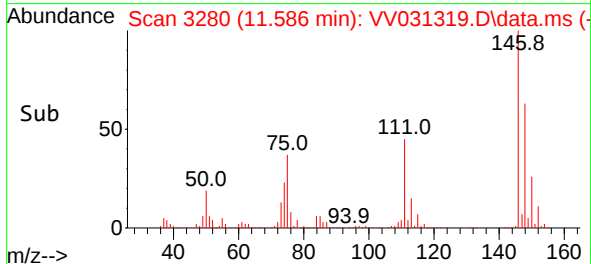
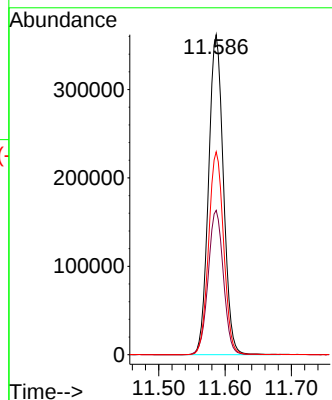
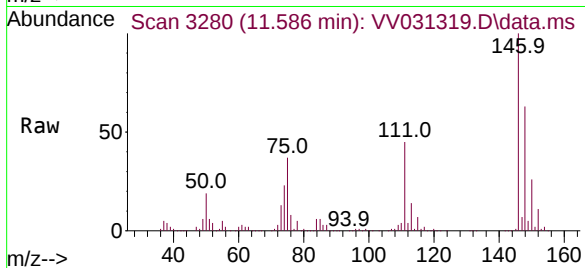
Tgt Ion:146 Resp: 563315

Ion Ratio Lower Upper

146 100

111 45.1 36.6 54.8

148 63.4 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 18.168 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.003 min

Lab File: VV031319.D

Acq: 01 Jun 2023 15:38

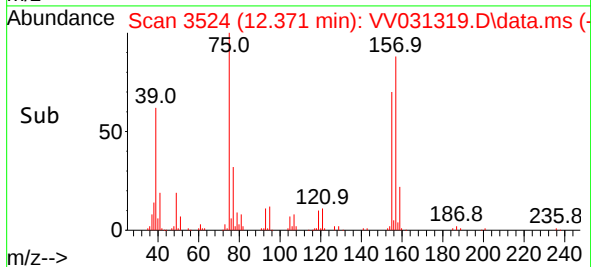
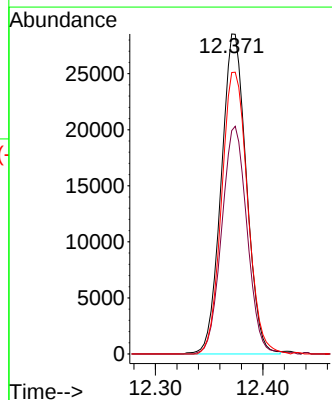
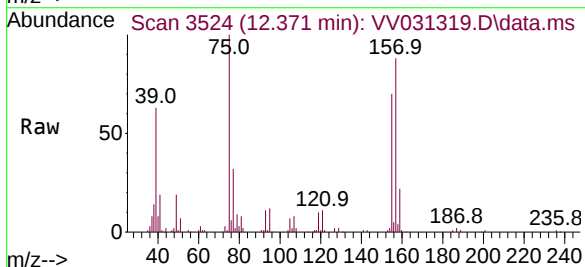
Tgt Ion: 75 Resp: 46333

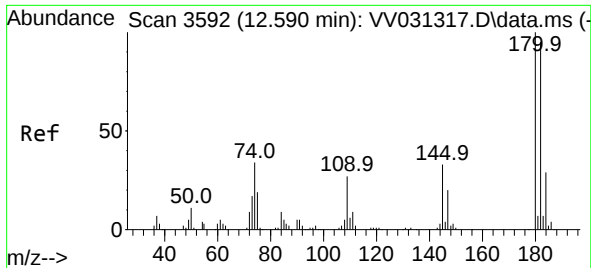
Ion Ratio Lower Upper

75 100

155 69.8 54.6 82.0

157 88.0 72.7 109.1

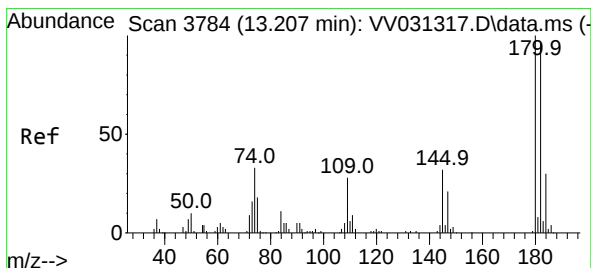
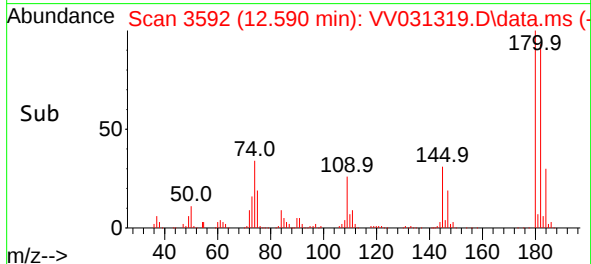
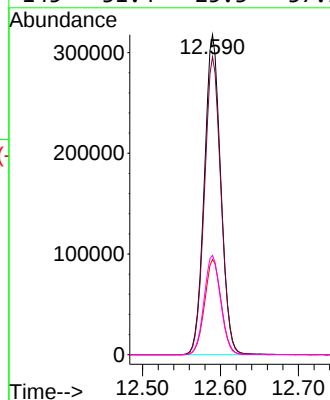
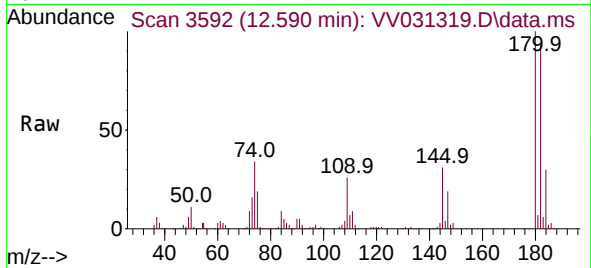




#69
 1,3,5-Trichlorobenzene
 Concen: 18.375 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

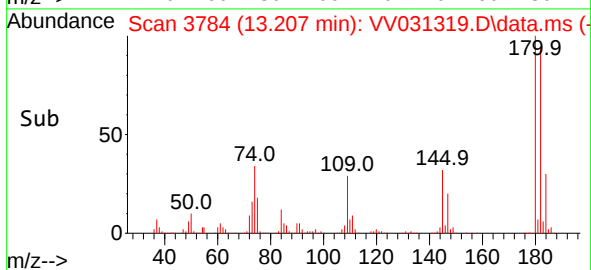
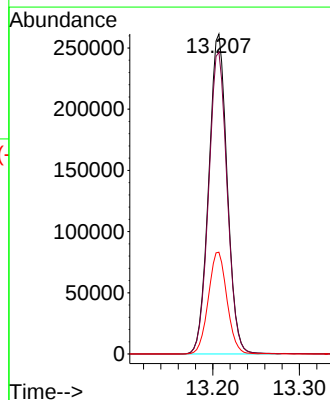
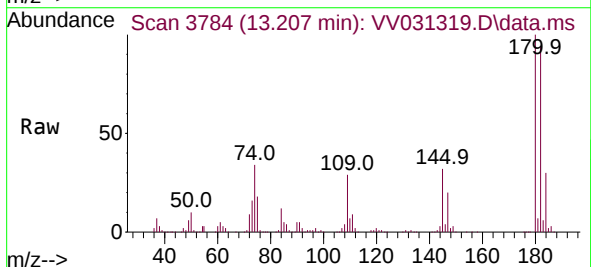
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD020257

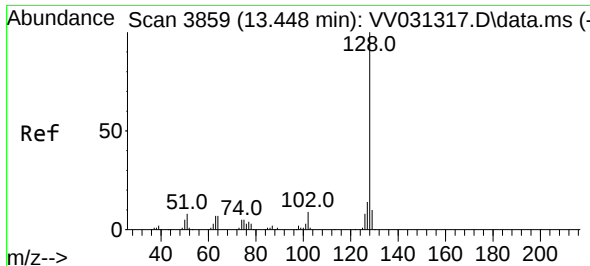
Tgt Ion:180	Resp:	464696
Ion Ratio	Lower	Upper
180	100	
182	93.8	76.1 114.1
184	30.0	23.8 35.6
145	31.4	25.3 37.9



#70
 1,2,4-trichlorobenzene
 Concen: 20.648 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV031319.D
 Acq: 01 Jun 2023 15:38

Tgt Ion:180	Resp:	386795
Ion Ratio	Lower	Upper
180	100	
182	95.0	76.7 115.1
145	32.1	26.3 39.5

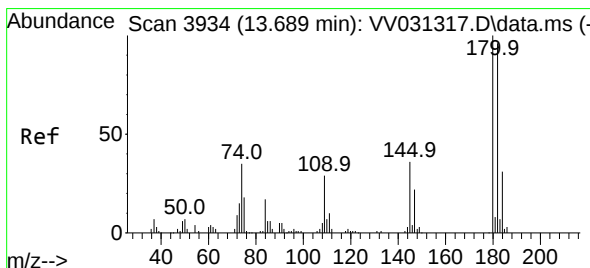
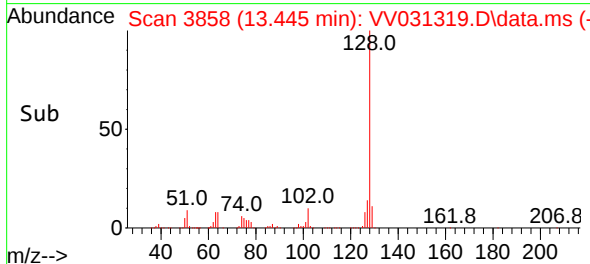
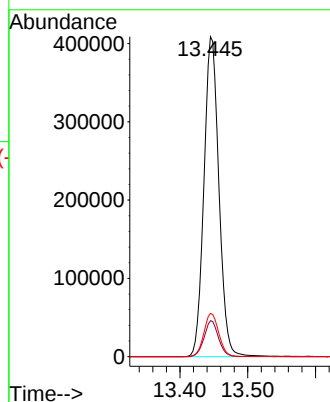
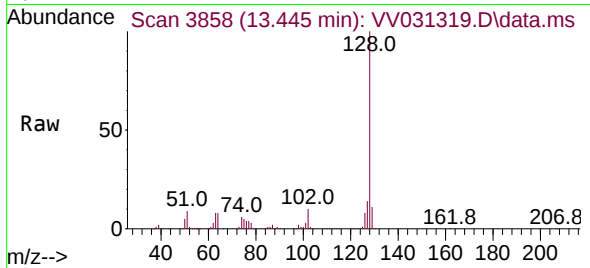




#71
Naphthalene
Concen: 23.836 ug/L
RT: 13.445 min Scan# 3859
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD020257

Tgt Ion:128 Resp: 626306
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 13.5 11.4 17.2



#72
1,2,3-Trichlorobenzene
Concen: 19.987 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.003 min
Lab File: VV031319.D
Acq: 01 Jun 2023 15:38

Tgt Ion:180 Resp: 345882
Ion Ratio Lower Upper
180 100
182 95.5 75.4 113.0
145 34.3 27.8 41.6

