

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022823\
 Data File : VW030091.D
 Acq On : 28 Feb 2023 09:29
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005286

Quant Time: Mar 01 00:02:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 23 21:31:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	195037	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	182695	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	106759	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	63195	5.008	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.200%
7) Chloroethane-d5	1.536	69	60742	5.128	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.600%
11) 1,1-Dichloroethene-d2	2.066	63	130994	5.049	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.000%
20) 2-Butanone-d5	3.831	46	122584	52.685	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.380%
24) Chloroform-d	4.259	84	131853	5.115	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	4.950	65	55492	5.273	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.400%
32) Benzene-d6	4.969	84	256864	5.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
36) 1,2-Dichloropropane-d6	5.995	67	77256	5.224	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.249	98	242808	5.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
43) trans-1,3-Dichloroprop...	7.558	79	27955	5.525	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	110.400%
46) 2-Hexanone-d5	8.034	63	117690	56.222	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.440%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	54814	5.210	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	92950	5.146	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	82712	5.212	ug/L	98
3) Chloromethane	1.217	50	116423	4.656	ug/L	99
5) Vinyl chloride	1.285	62	85054	5.118	ug/L	99
6) Bromomethane	1.490	94	15458	5.182	ug/L	98
8) Chloroethane	1.552	64	51233	5.060	ug/L	99
9) Trichlorofluoromethane	1.719	101	126258	5.295	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	77720	5.256	ug/L	99
12) 1,1-Dichloroethene	2.076	96	67531	5.159	ug/L	97
13) Acetone	2.163	43	83285	48.430	ug/L #	45
14) Carbon disulfide	2.246	76	185259	5.290	ug/L	98
15) Methyl Acetate	2.394	43	17479	4.352	ug/L	98
16) Methylene chloride	2.452	84	67315	4.210	ug/L	97
17) Methyl tert-butyl Ether	2.712	73	139391	5.446	ug/L	99
18) trans-1,2-Dichloroethene	2.699	96	65735	5.279	ug/L	100
19) 1,1-Dichloroethane	3.117	63	120913	5.213	ug/L	100
21) 2-Butanone	3.912	43	120573	52.133	ug/L	96
22) cis-1,2-Dichloroethene	3.825	96	72021	5.233	ug/L	97
23) Bromochloromethane	4.159	128	31392	5.338	ug/L	98
25) Chloroform	4.285	83	125512	5.202	ug/L	99

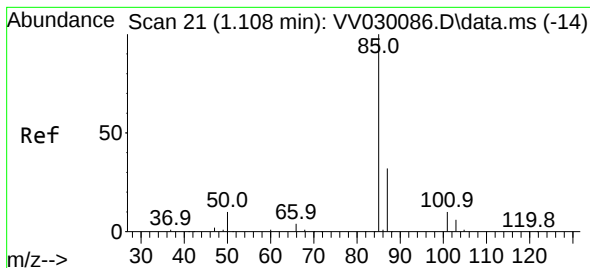
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 Data File : VW030091.D
 Acq On : 28 Feb 2023 09:29
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Time: Mar 01 00:02:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR022323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 23 21:31:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	67242	5.328	ug/L	99
29) 1,1,1-Trichloroethane	4.519	97	115930	5.402	ug/L	98
30) Cyclohexane	4.590	56	97875	5.278	ug/L	100
31) Carbon tetrachloride	4.744	117	103494	5.365	ug/L	99
33) Benzene	5.018	78	264934	5.310	ug/L	100
34) Trichloroethene	5.841	95	73937	5.288	ug/L	97
35) Methylcyclohexane	6.056	83	112230	5.304	ug/L	99
37) 1,2-Dichloropropane	6.101	63	65622	5.170	ug/L	99
38) Bromodichloromethane	6.439	83	86860	5.360	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	101516	5.463	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	289850	55.336	ug/L	99
42) Toluene	7.320	91	288299	5.335	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	81200	5.598	ug/L	99
45) 1,1,2-Trichloroethane	7.776	97	47596	5.240	ug/L	97
47) Tetrachloroethene	7.911	164	64706	5.392	ug/L	99
48) 2-Hexanone	8.085	43	208912	55.712	ug/L	98
49) Dibromochloromethane	8.185	129	57934	5.451	ug/L	99
50) 1,2-Dibromoethane	8.291	107	46012	5.430	ug/L	99
51) Chlorobenzene	8.821	112	193542	5.310	ug/L	99
52) Ethylbenzene	8.953	91	316701	5.385	ug/L	99
53) m,p-Xylene	9.079	106	122320	5.412	ug/L	100
54) o-Xylene	9.487	106	117952	5.463	ug/L	99
55) Styrene	9.503	104	202316	5.635	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	56183	5.530	ug/L	98
59) Bromoform	9.673	173	35229	5.506	ug/L	98
60) Isopropylbenzene	9.876	105	328887	5.354	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	37169	5.202	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	272016	5.391	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	281199	5.448	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	165490	5.174	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	166398	5.156	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	149394	5.290	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.374	75	8155	5.110	ug/L	98
69) 1,3,5-Trichlorobenzene	12.593	180	139106	5.290	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	111348	5.227	ug/L	99
71) Naphthalene	13.448	128	146246	5.254	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	92400	5.270	ug/L	99

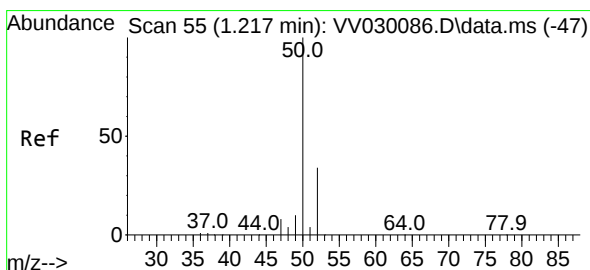
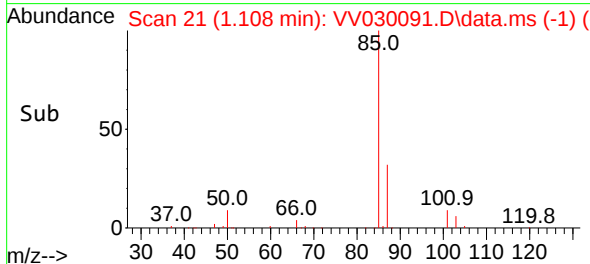
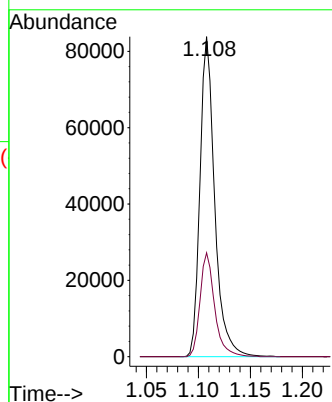
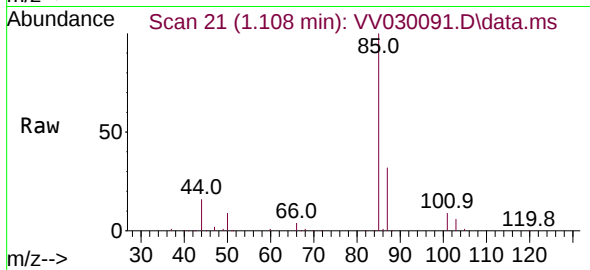
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#2
 Dichlorodifluoromethane
 Concen: 5.212 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

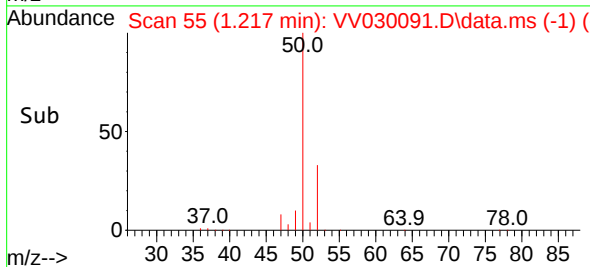
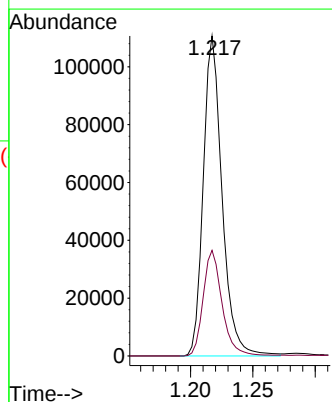
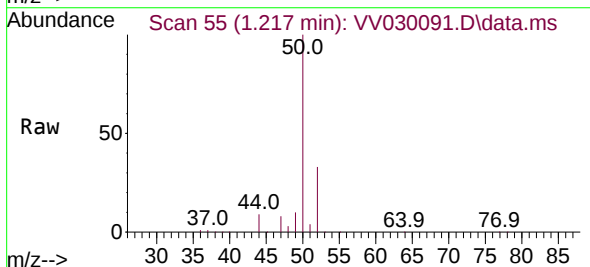
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005286

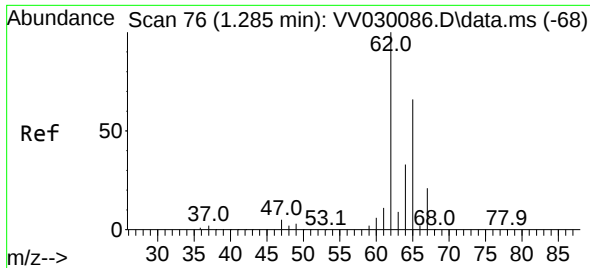
Tgt Ion: 85 Resp: 82712
 Ion Ratio Lower Upper
 85 100
 87 32.1 26.6 39.8



#3
 Chloromethane
 Concen: 4.656 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

Tgt Ion: 50 Resp: 116423
 Ion Ratio Lower Upper
 50 100
 52 33.0 23.6 43.8

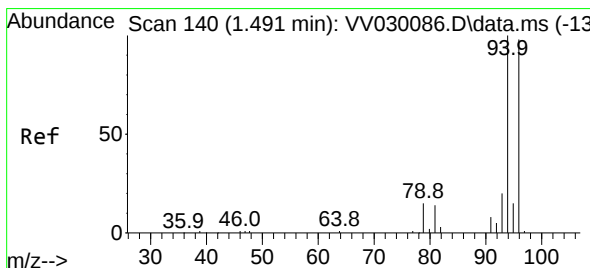
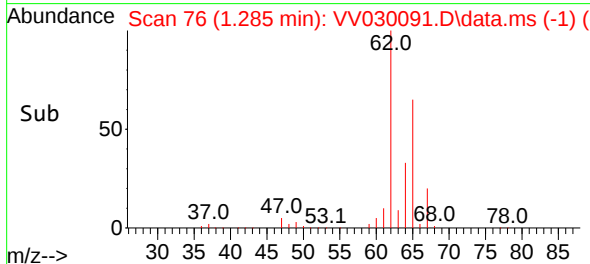
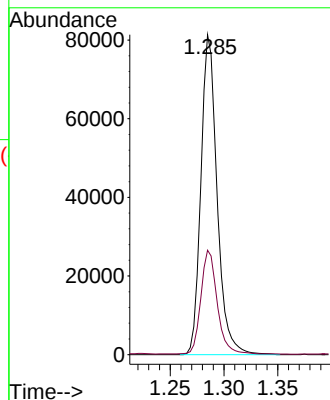
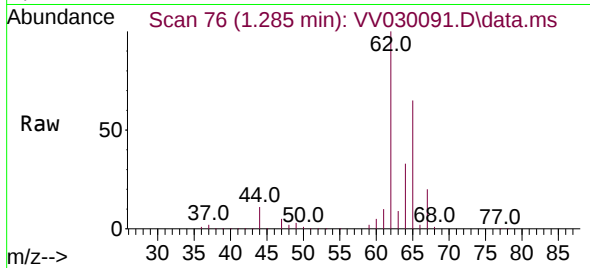




#5
 Vinyl chloride
 Concen: 5.118 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

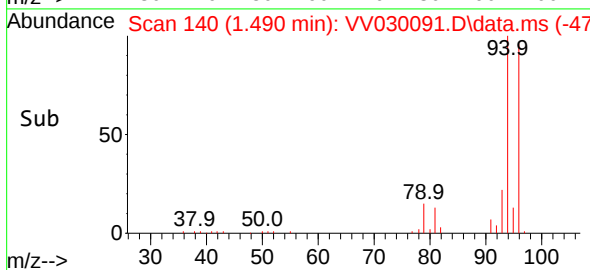
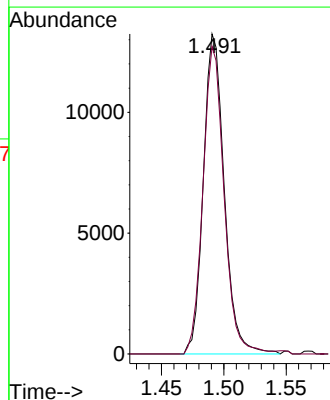
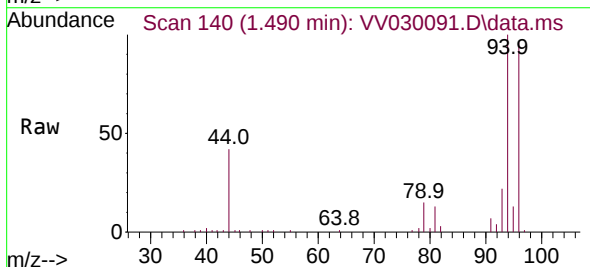
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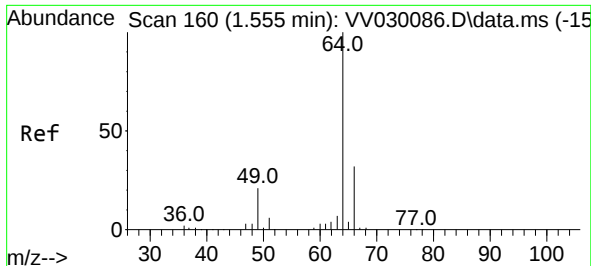
Tgt Ion: 62 Resp: 85054
 Ion Ratio Lower Upper
 62 100
 64 32.7 23.1 42.9



#6
 Bromomethane
 Concen: 5.182 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

Tgt Ion: 94 Resp: 15458
 Ion Ratio Lower Upper
 94 100
 96 96.1 68.4 127.0

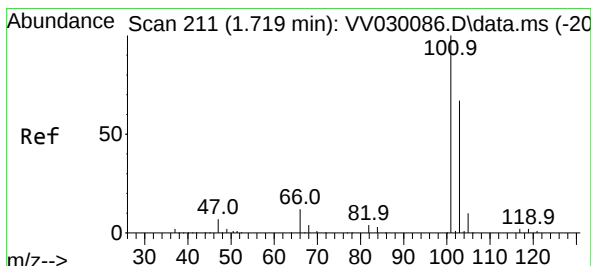
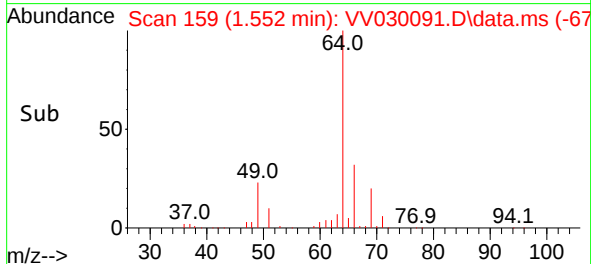
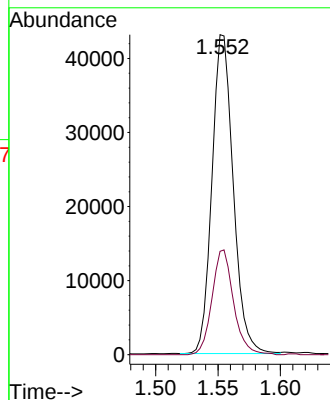
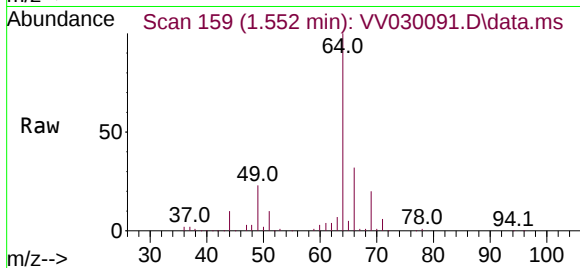




#8
Chloroethane
Concen: 5.060 ug/L
RT: 1.552 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

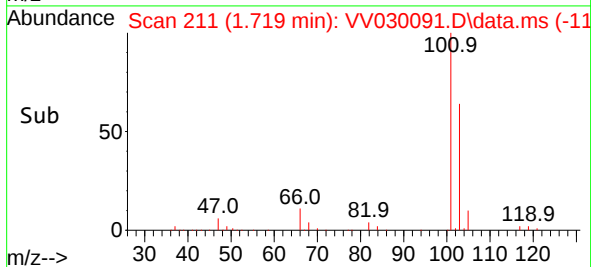
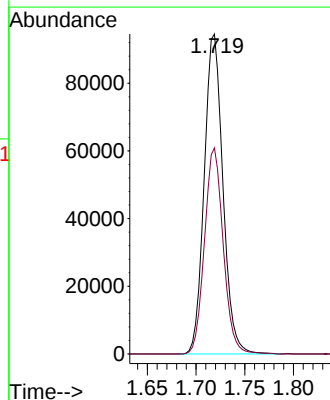
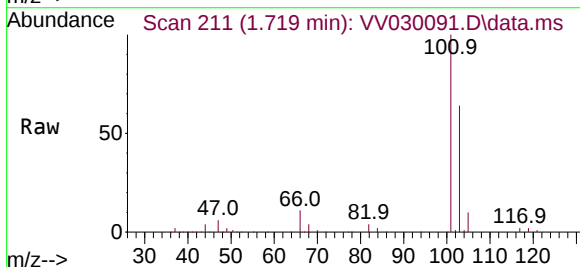
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ClientSampleId :
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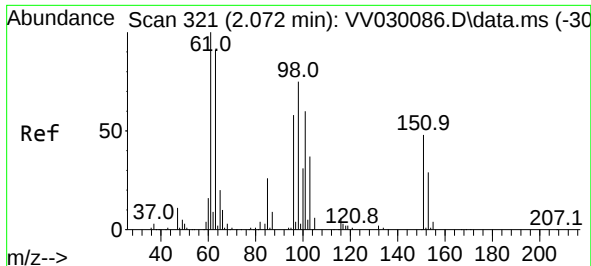
Tgt Ion: 64 Resp: 51233
Ion Ratio Lower Upper
64 100
66 32.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 5.295 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion:101 Resp: 126258
Ion Ratio Lower Upper
101 100
103 64.5 52.7 79.1

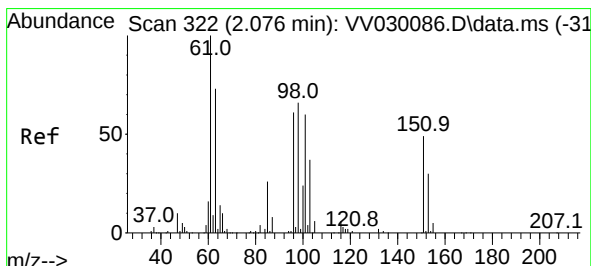
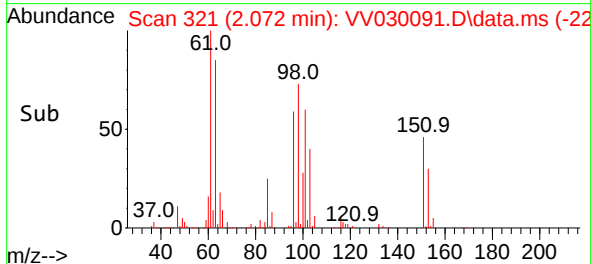
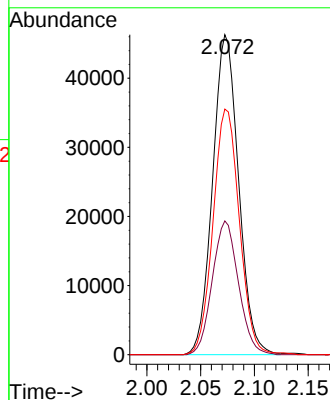
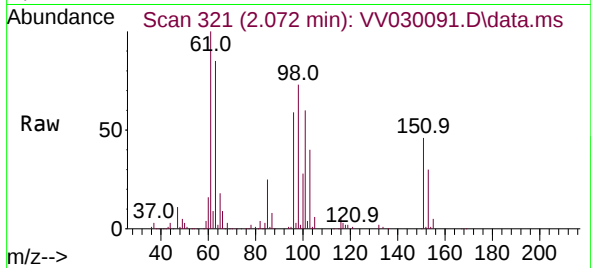




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.256 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

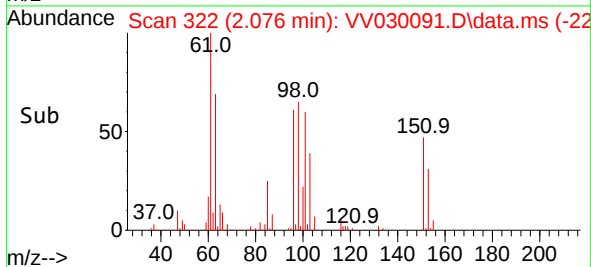
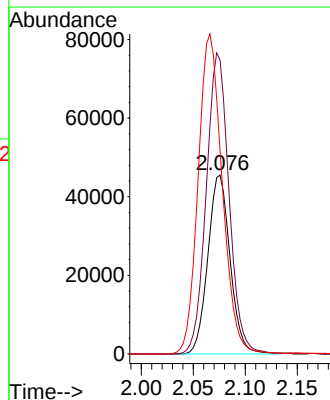
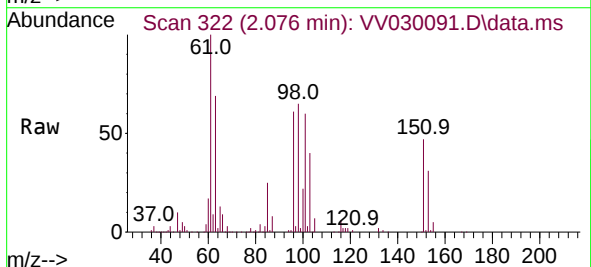
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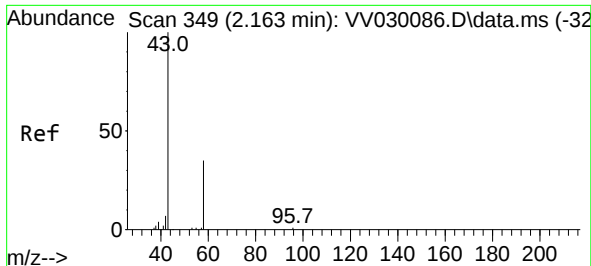
Tgt Ion:101 Resp: 77720
Ion Ratio Lower Upper
101 100
85 42.1 33.5 50.3
151 77.9 61.6 92.4



#12
1,1-Dichloroethene
Concen: 5.159 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 96 Resp: 67531
Ion Ratio Lower Upper
96 100
61 164.5 115.6 214.6
63 114.1 85.6 159.0





#13

Acetone

Concen: 48.430 ug/L

RT: 2.163 min Scan# 349

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

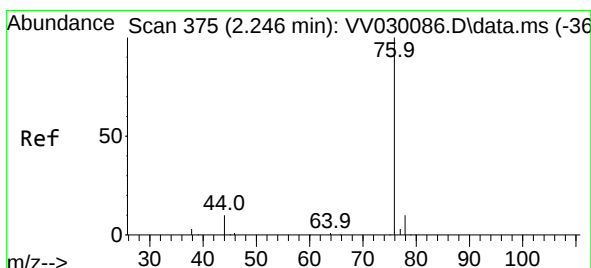
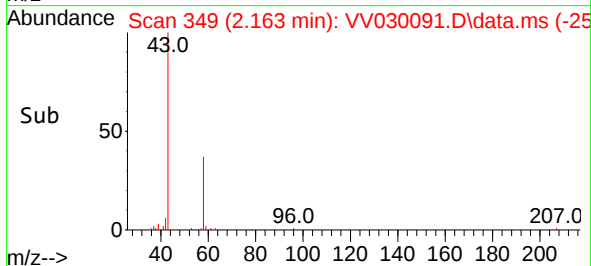
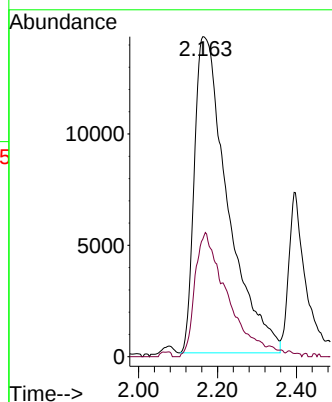
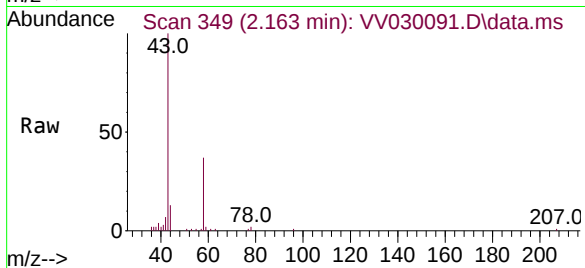
VSTD005286

Tgt Ion: 43 Resp: 83285

Ion Ratio Lower Upper

43 100

58 37.5 0.0 29.4#



#14

Carbon disulfide

Concen: 5.290 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV030091.D

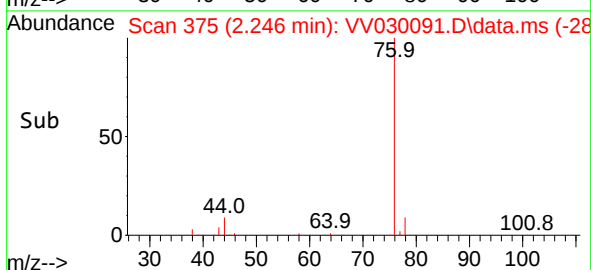
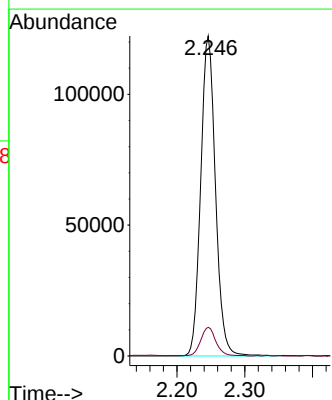
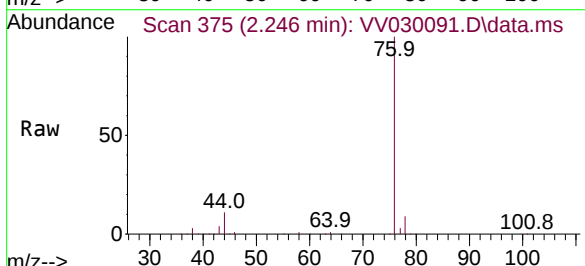
Acq: 28 Feb 2023 09:29

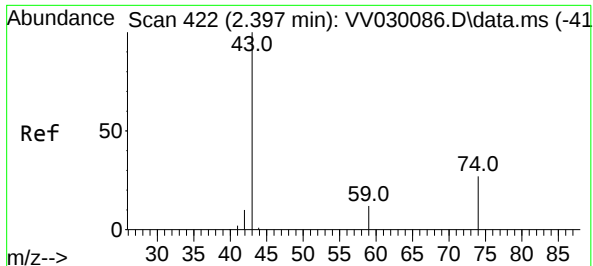
Tgt Ion: 76 Resp: 185259

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5

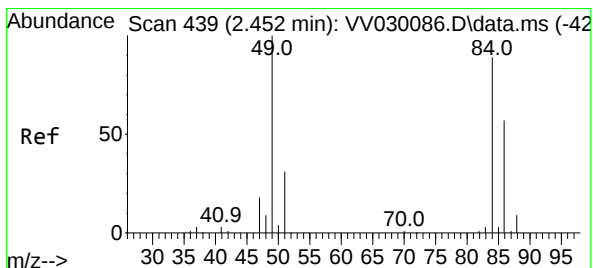
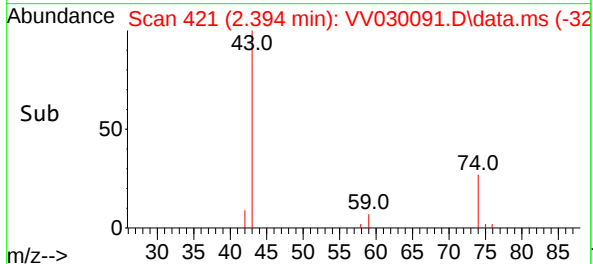
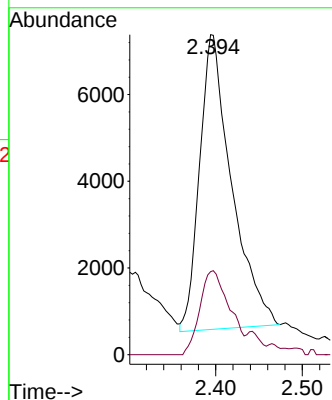
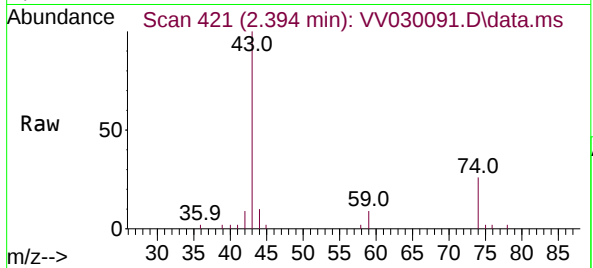




#15
Methyl Acetate
Concen: 4.352 ug/L
RT: 2.394 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

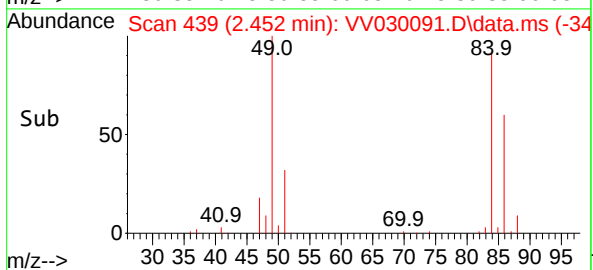
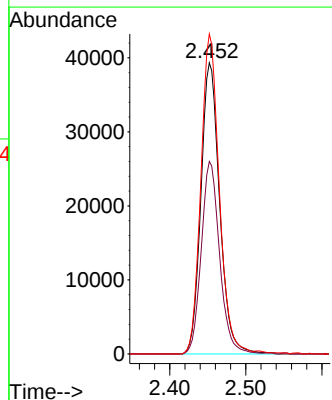
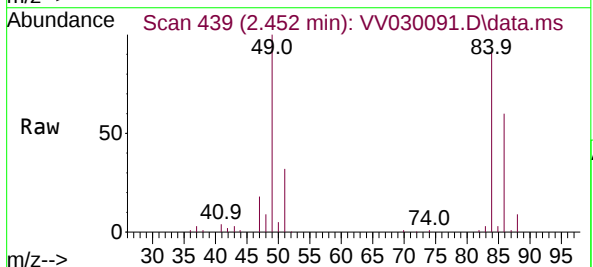
Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

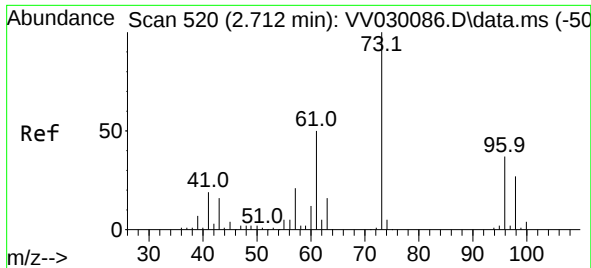
Tgt Ion: 43 Resp: 17479
Ion Ratio Lower Upper
43 100
74 26.3 20.1 30.1



#16
Methylene chloride
Concen: 4.210 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 84 Resp: 67315
Ion Ratio Lower Upper
84 100
86 66.1 44.7 83.1
49 109.9 78.8 146.3

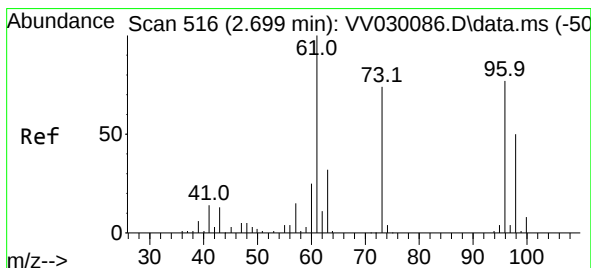
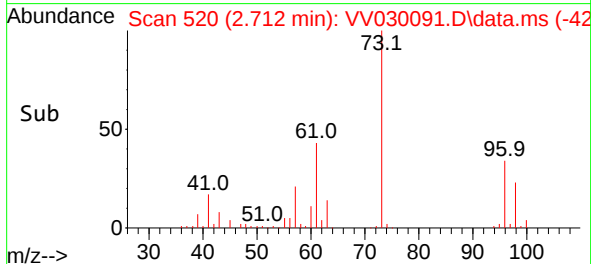
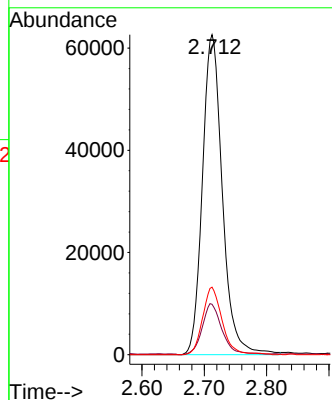
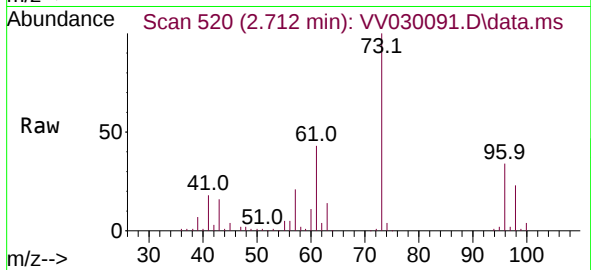




#17
Methyl tert-butyl Ether
Concen: 5.446 ug/L
RT: 2.712 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

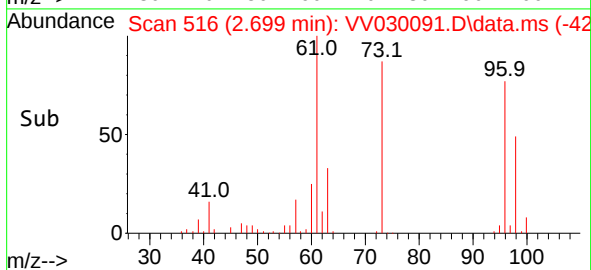
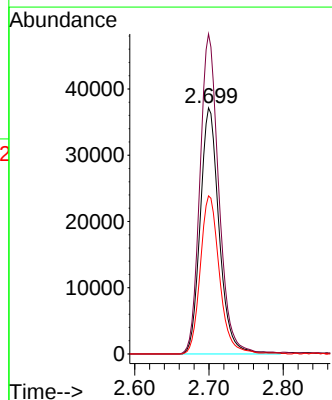
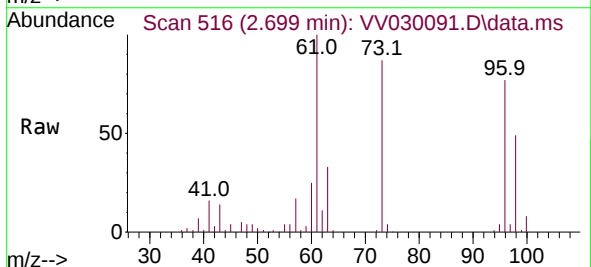
Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

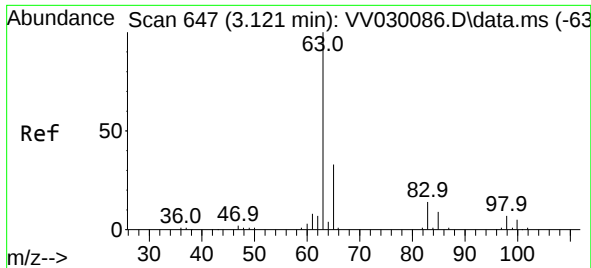
Tgt Ion: 73 Resp: 139391
Ion Ratio Lower Upper
73 100
43 15.9 13.4 20.2
57 20.6 16.8 25.2



#18
trans-1,2-Dichloroethene
Concen: 5.279 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 96 Resp: 65735
Ion Ratio Lower Upper
96 100
61 130.0 91.0 169.0
98 64.2 45.2 84.0

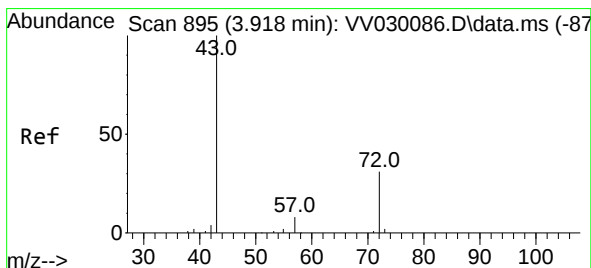
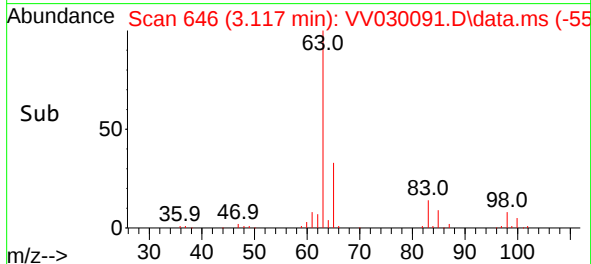
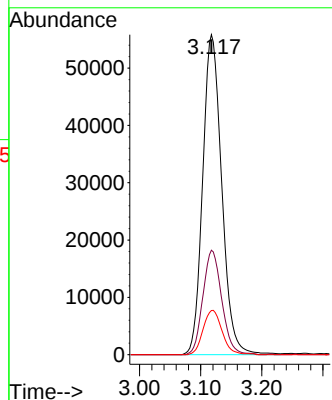
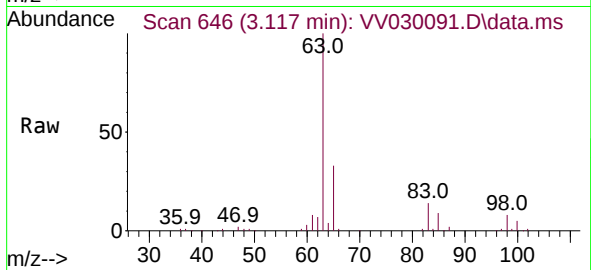




#19
1,1-Dichloroethane
Concen: 5.213 ug/L
RT: 3.117 min Scan# 64
Delta R.T. -0.003 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

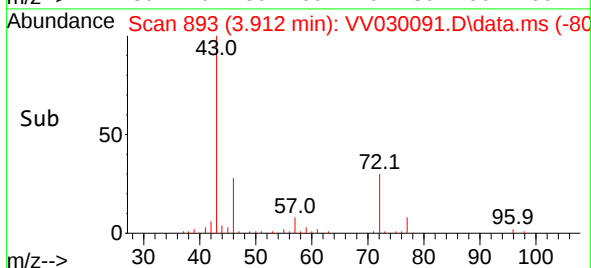
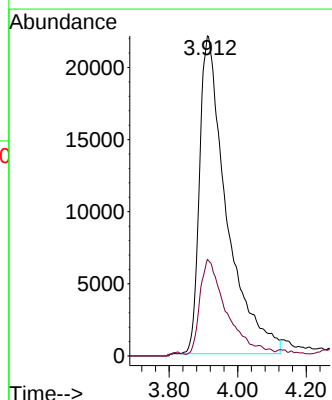
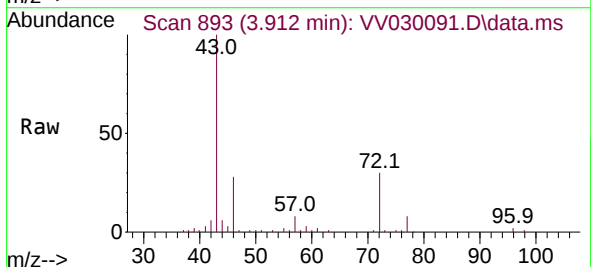
Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

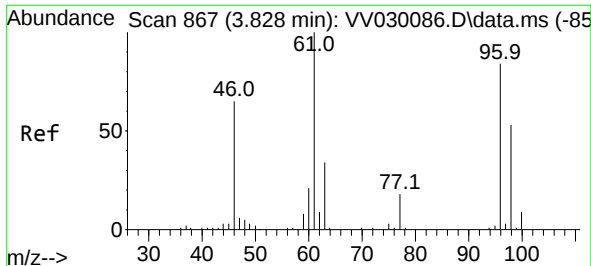
Tgt Ion: 63 Resp: 120913
Ion Ratio Lower Upper
63 100
65 32.7 23.0 42.8
83 13.8 9.6 17.8



#21
2-Butanone
Concen: 52.133 ug/L
RT: 3.912 min Scan# 893
Delta R.T. -0.006 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 43 Resp: 120573
Ion Ratio Lower Upper
43 100
72 28.1 15.1 45.3

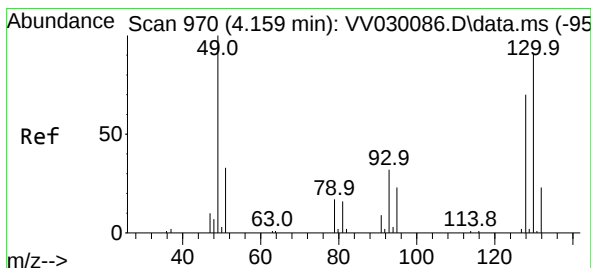
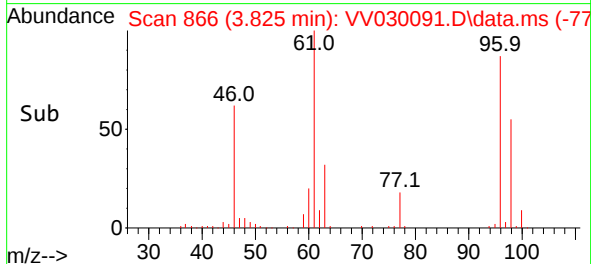
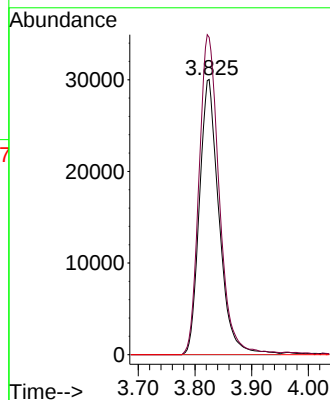
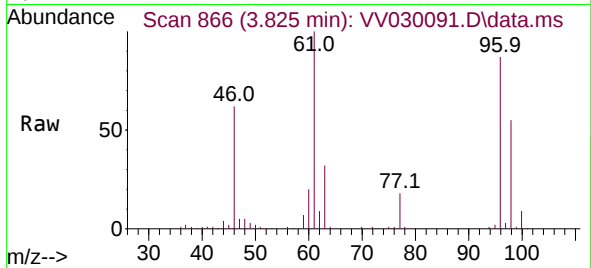




#22
cis-1,2-Dichloroethene
Concen: 5.233 ug/L
RT: 3.825 min Scan# 867
Delta R.T. -0.003 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

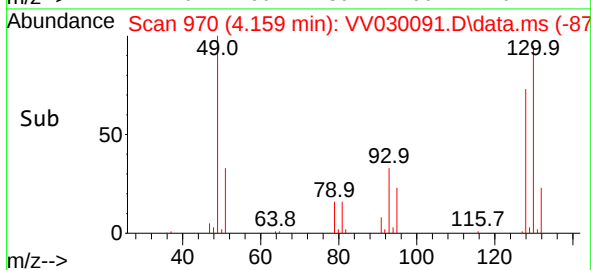
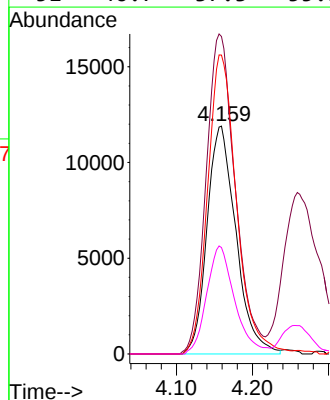
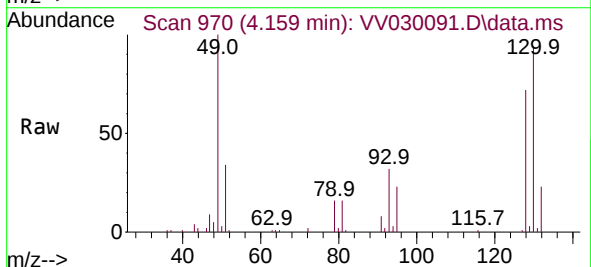
Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

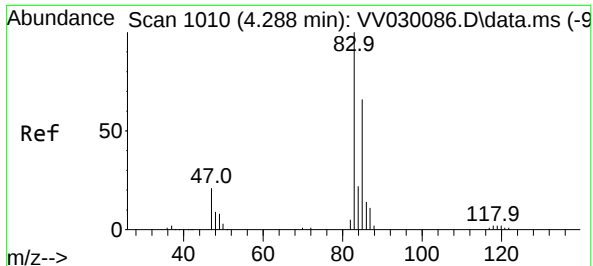
Tgt Ion: 96 Resp: 72021
Ion Ratio Lower Upper
96 100
61 115.3 83.4 154.8
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 5.338 ug/L
RT: 4.159 min Scan# 970
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 128 Resp: 31392
Ion Ratio Lower Upper
128 100
49 139.3 99.5 184.9
130 131.2 90.5 168.1
51 46.7 37.3 55.9





#25

Chloroform

Concen: 5.202 ug/L

RT: 4.285 min Scan# 1010

Delta R.T. -0.003 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

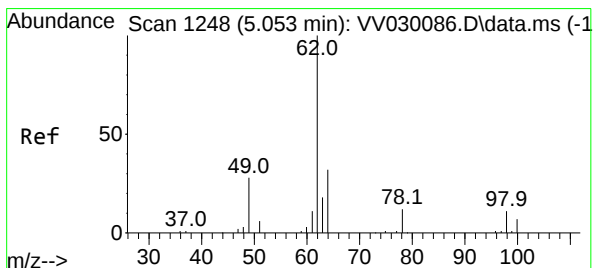
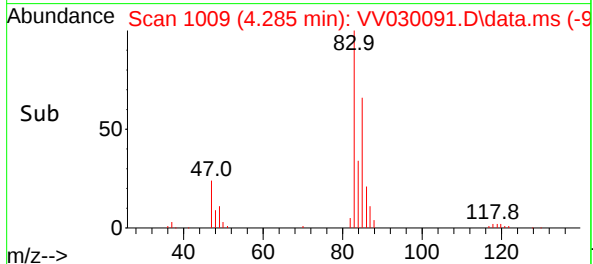
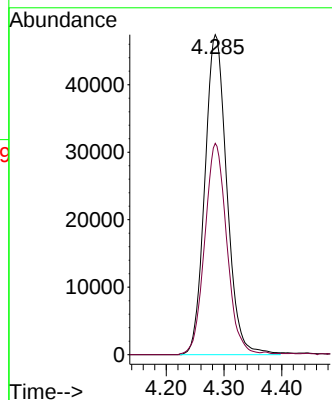
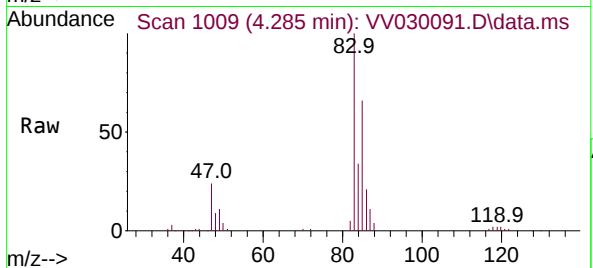
VSTD005286

Tgt Ion: 83 Resp: 125512

Ion Ratio Lower Upper

83 100

85 66.1 46.5 86.5



#27

1,2-Dichloroethane

Concen: 5.328 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.003 min

Lab File: VV030091.D

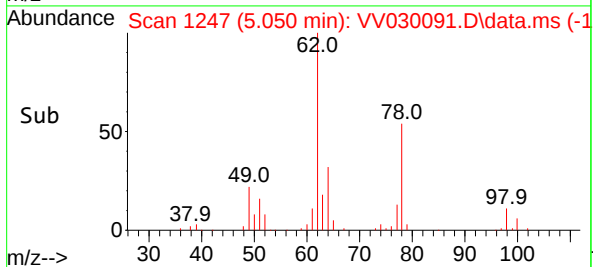
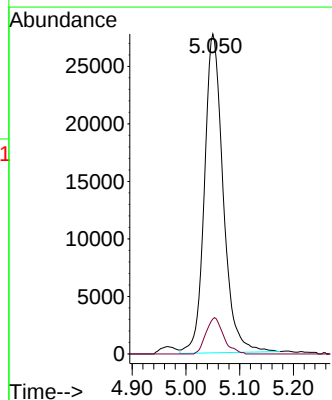
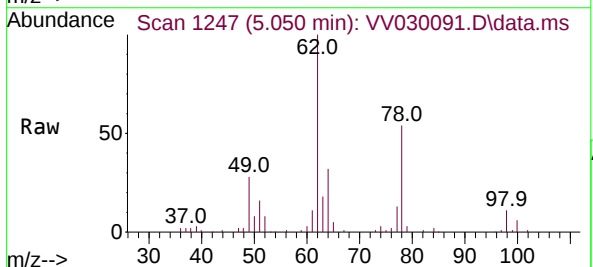
Acq: 28 Feb 2023 09:29

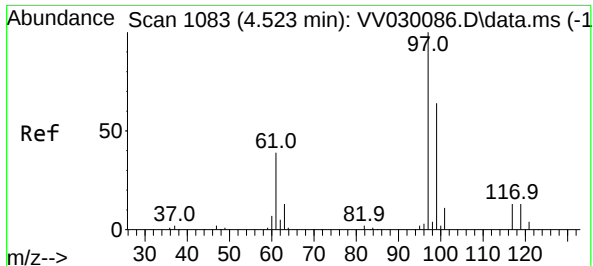
Tgt Ion: 62 Resp: 67242

Ion Ratio Lower Upper

62 100

98 10.9 9.0 13.4





#29

1,1,1-Trichloroethane

Concen: 5.402 ug/L

RT: 4.519 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005286

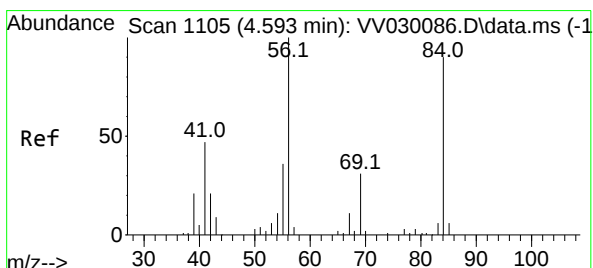
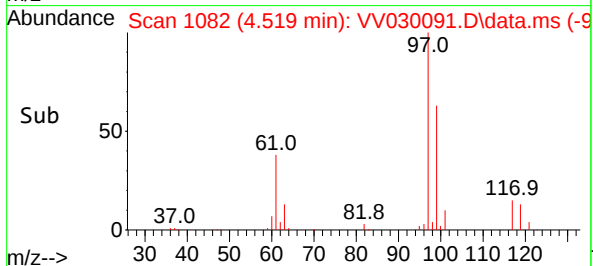
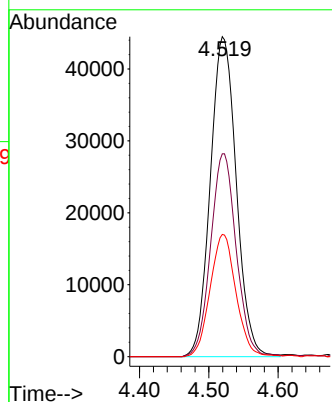
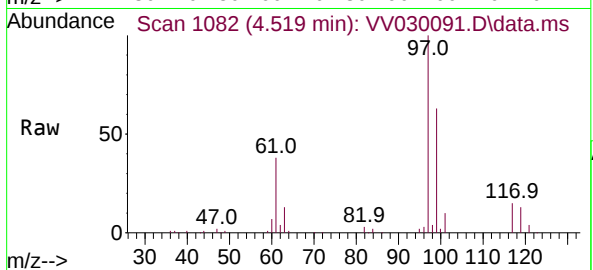
Tgt Ion: 97 Resp: 115930

Ion Ratio Lower Upper

97 100

99 62.6 51.3 76.9

61 38.0 31.5 47.3



#30

Cyclohexane

Concen: 5.278 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.003 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

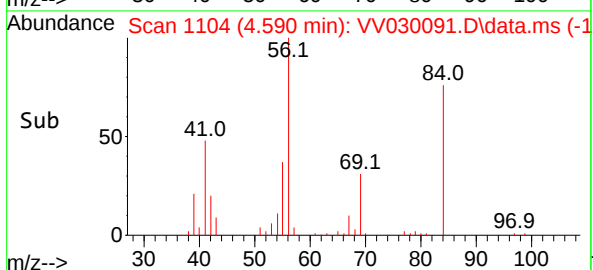
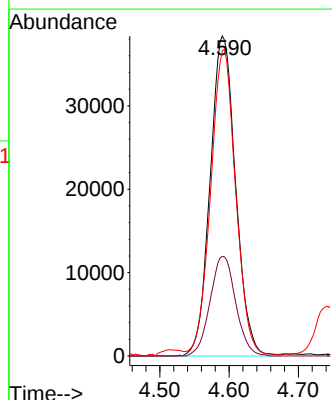
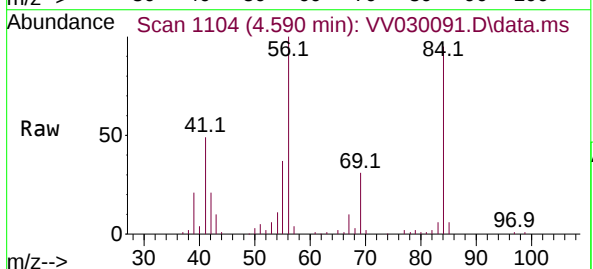
Tgt Ion: 56 Resp: 97875

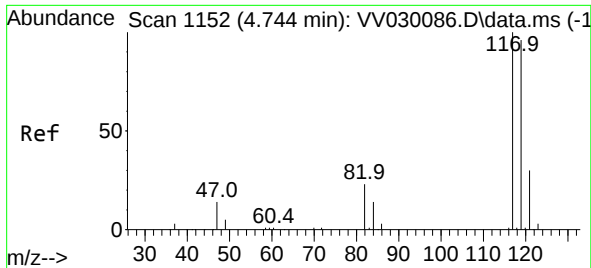
Ion Ratio Lower Upper

56 100

69 31.4 25.1 37.7

84 93.6 74.6 111.8

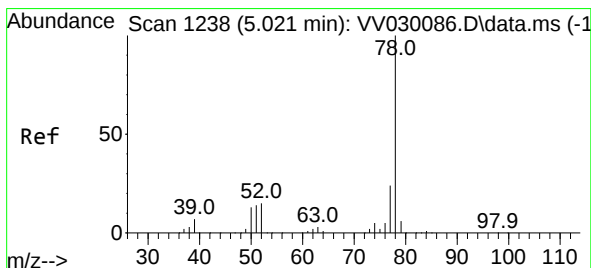
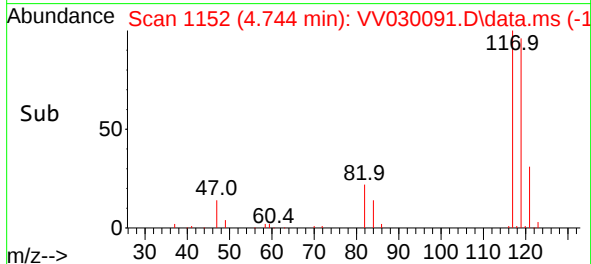
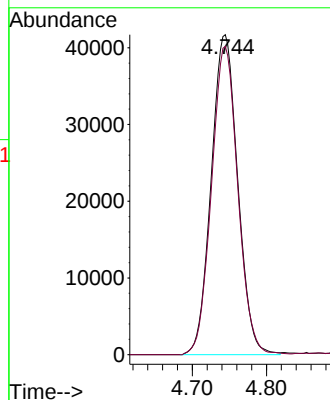
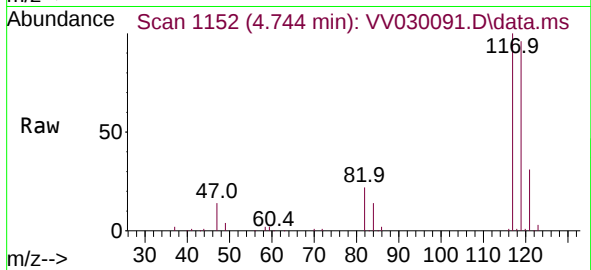




#31
Carbon tetrachloride
Concen: 5.365 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

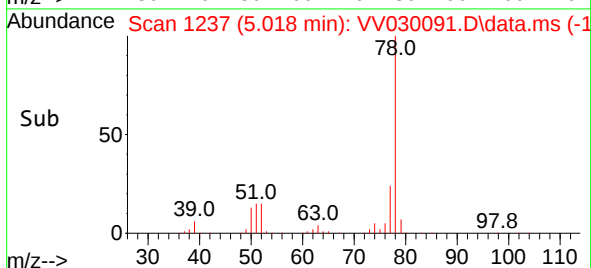
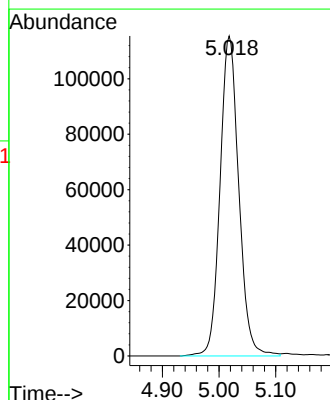
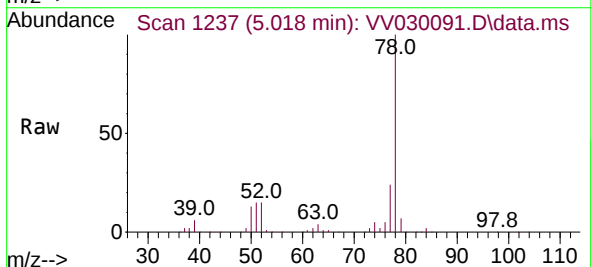
Instrument : MSVOA_V
ClientSampleId : VSTD005286

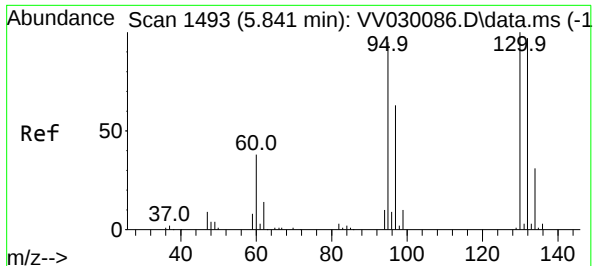
Tgt Ion:117 Resp: 103494
Ion Ratio Lower Upper
117 100
119 95.7 76.1 114.1



#33
Benzene
Concen: 5.310 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.003 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 78 Resp: 264934



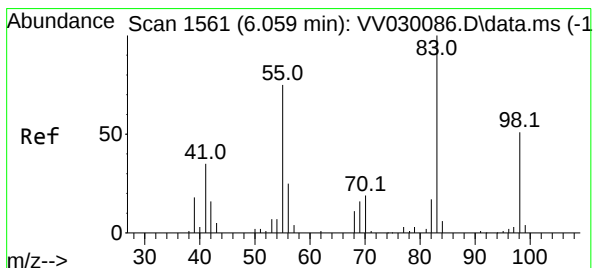
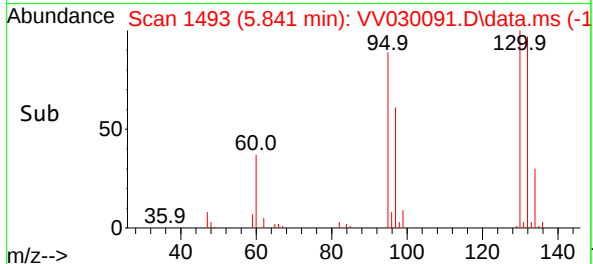
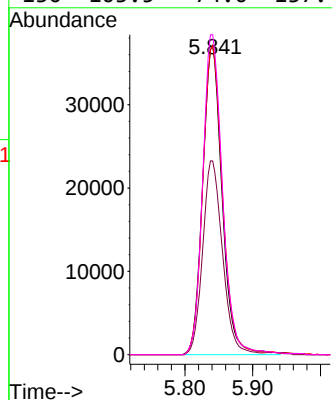
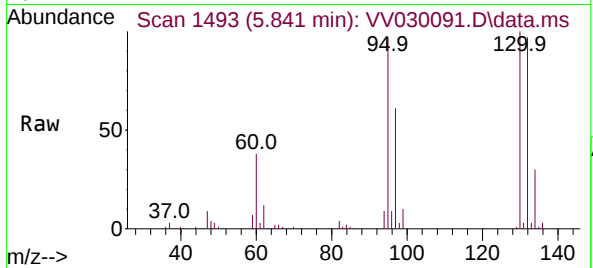


#34
Trichloroethene
Concen: 5.288 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

Tgt Ion: 95 Resp: 73937

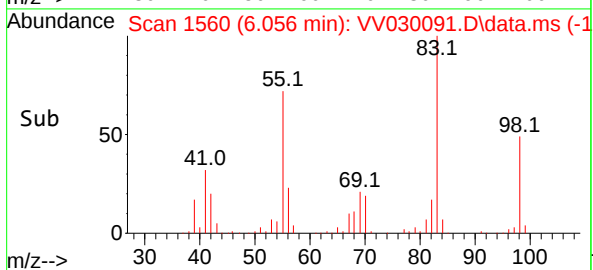
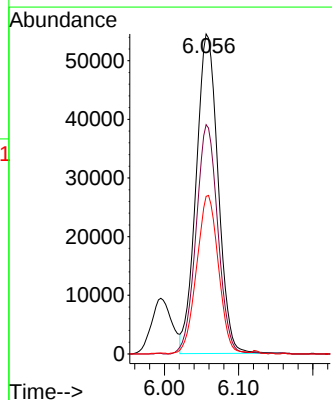
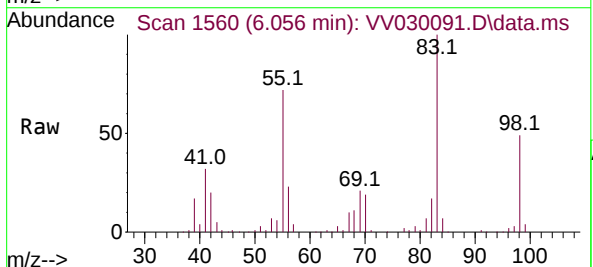
Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.5	86.5
132	100.0	71.7	133.3
130	103.5	74.0	137.4

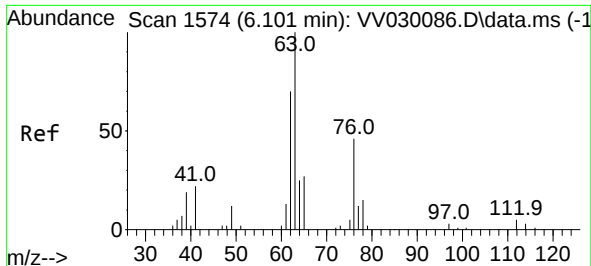


#35
Methylcyclohexane
Concen: 5.304 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 83 Resp: 112230

Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.6	86.4
98	49.5	38.8	58.2





#37

1,2-Dichloropropane

Concen: 5.170 ug/L

RT: 6.101 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

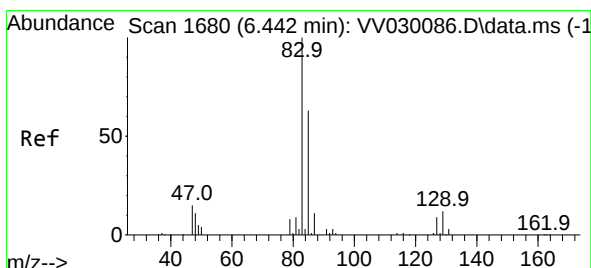
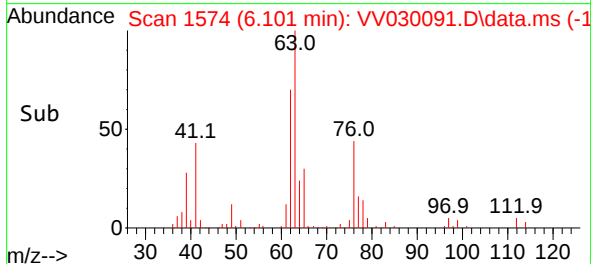
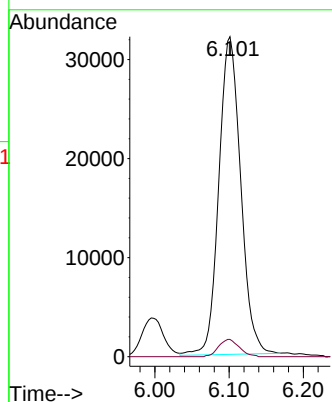
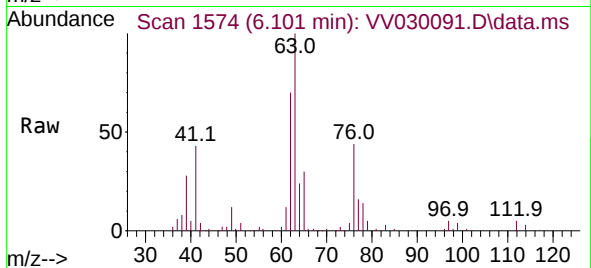
VSTD005286

Tgt Ion: 63 Resp: 65622

Ion Ratio Lower Upper

63 100

112 5.2 3.8 5.6



#38

Bromodichloromethane

Concen: 5.360 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. -0.003 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

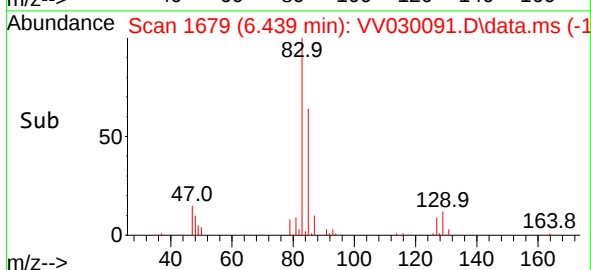
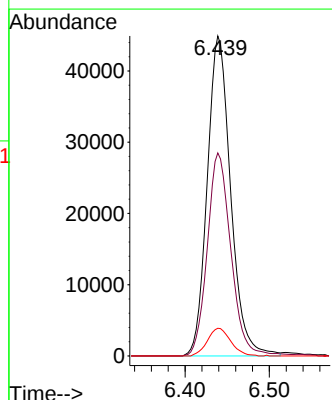
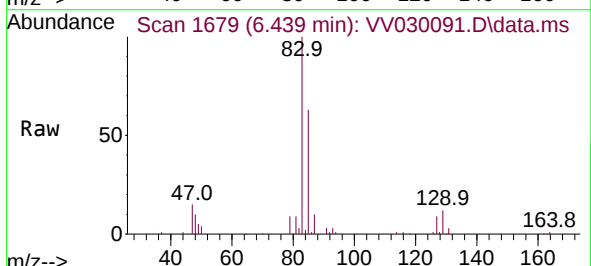
Tgt Ion: 83 Resp: 86860

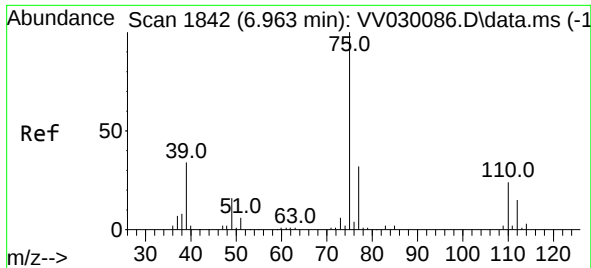
Ion Ratio Lower Upper

83 100

85 63.4 44.3 82.3

127 8.7 7.2 10.8

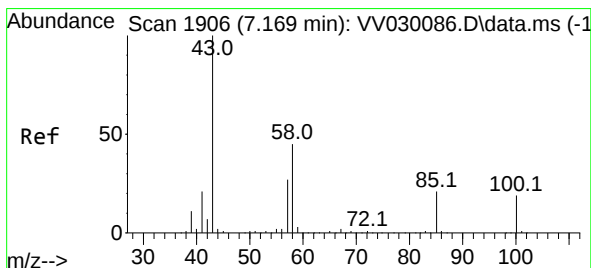
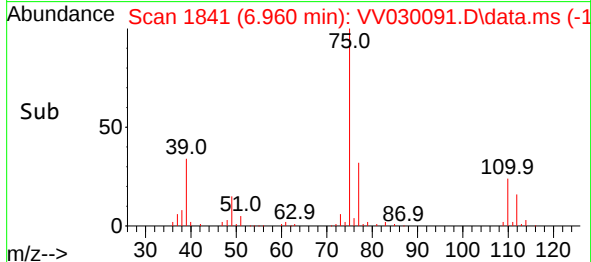
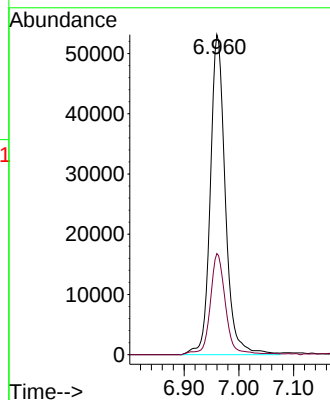
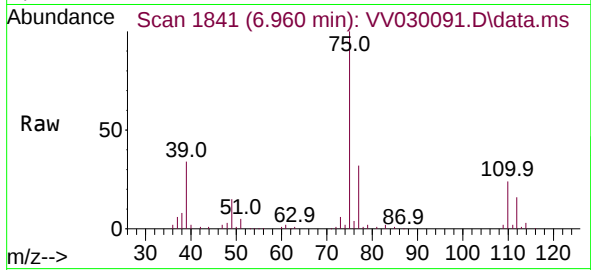




#39
 cis-1,3-Dichloropropene
 Concen: 5.463 ug/L
 RT: 6.960 min Scan# 1842
 Delta R.T. -0.003 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

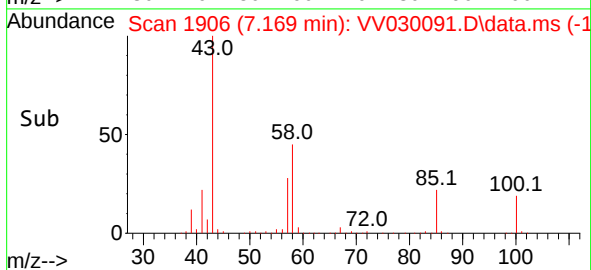
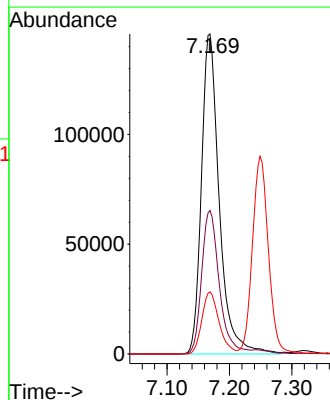
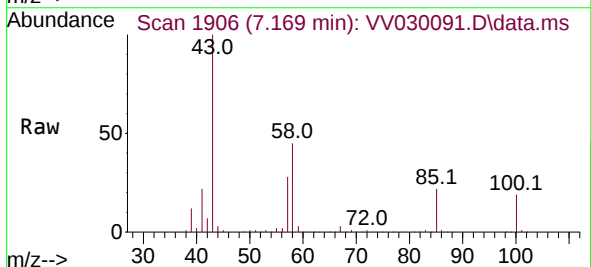
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005286

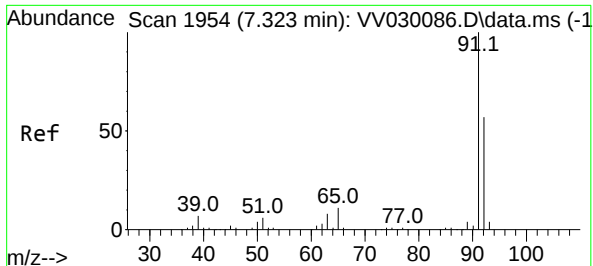
Tgt Ion: 75 Resp: 101516
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 55.336 ug/L
 RT: 7.169 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

Tgt Ion: 43 Resp: 289850
 Ion Ratio Lower Upper
 43 100
 58 44.4 35.3 52.9
 100 18.7 14.7 22.1





#42

Toluene

Concen: 5.335 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

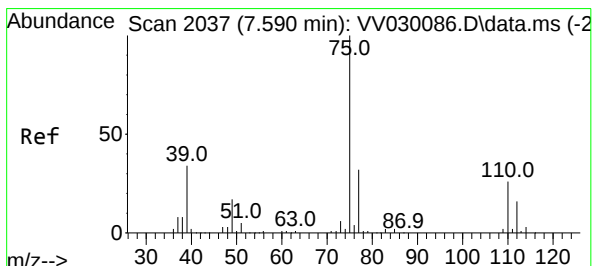
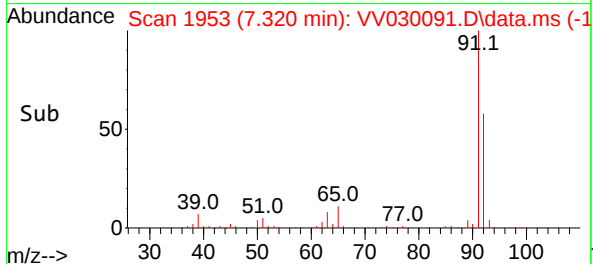
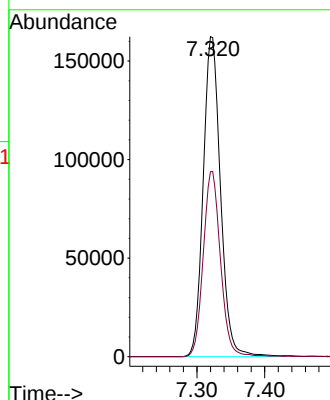
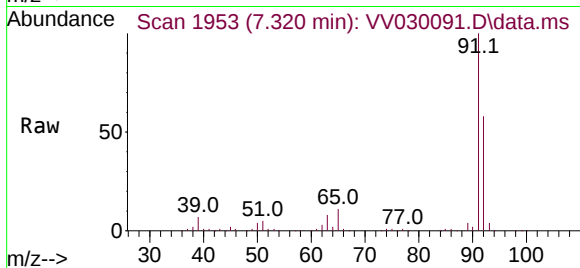
VSTD005286

Tgt Ion: 91 Resp: 288299

Ion Ratio Lower Upper

91 100

92 57.8 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 5.598 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.003 min

Lab File: VV030091.D

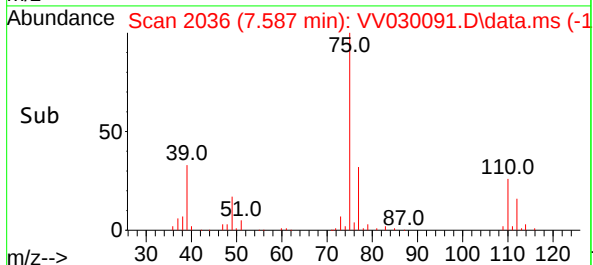
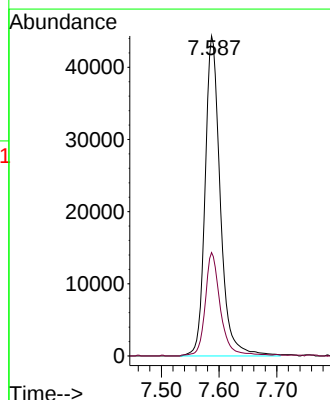
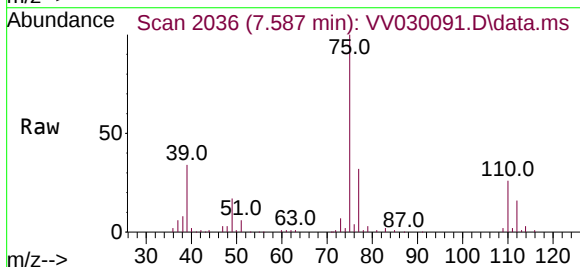
Acq: 28 Feb 2023 09:29

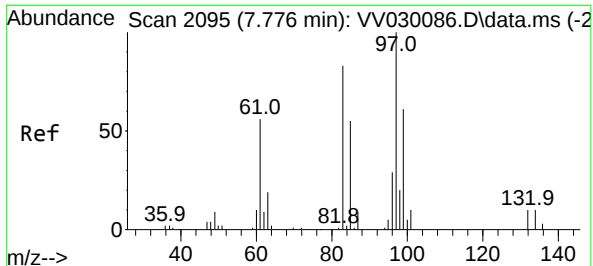
Tgt Ion: 75 Resp: 81200

Ion Ratio Lower Upper

75 100

77 32.3 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 5.240 ug/L

RT: 7.776 min Scan# 2095

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005286

Tgt Ion: 97 Resp: 47596

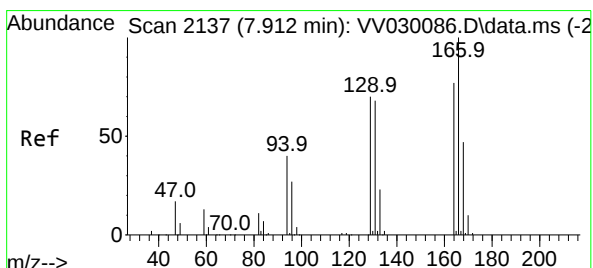
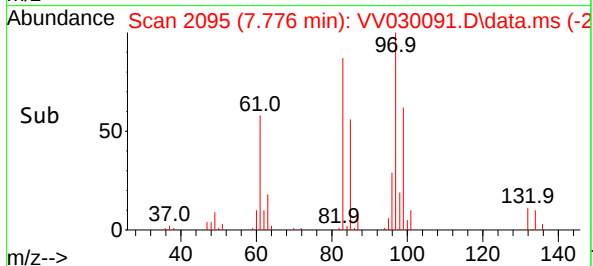
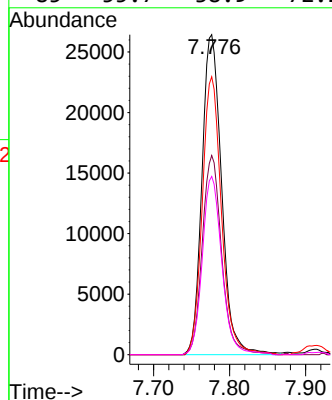
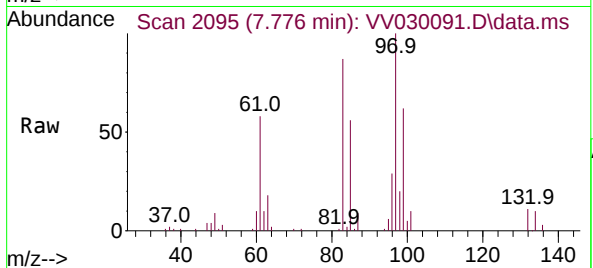
Ion Ratio Lower Upper

97 100

99 62.3 42.6 79.2

83 86.9 57.7 107.3

85 55.7 38.9 72.2



#47

Tetrachloroethene

Concen: 5.392 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Tgt Ion: 164 Resp: 64706

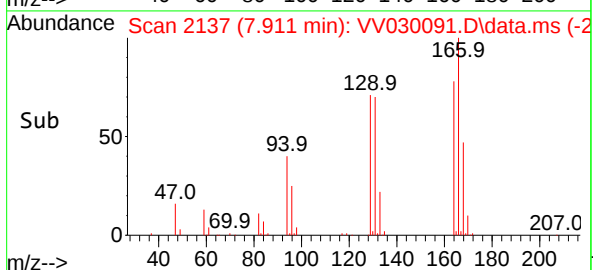
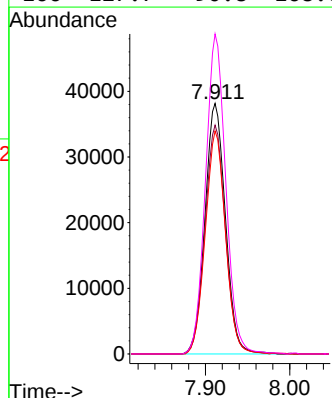
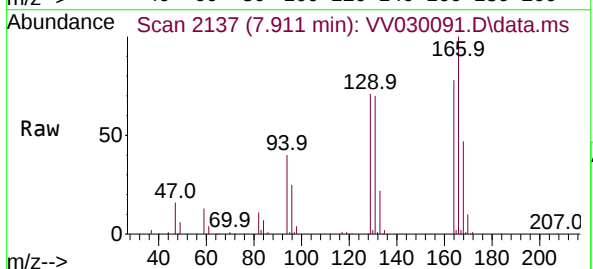
Ion Ratio Lower Upper

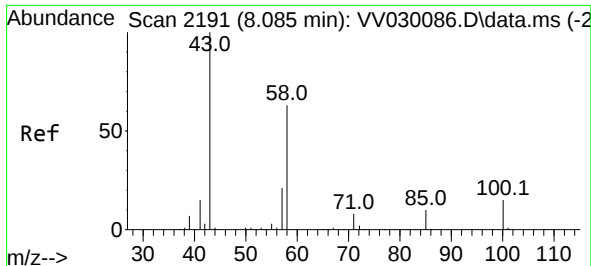
164 100

129 91.3 63.6 118.2

131 89.0 61.7 114.7

166 127.7 90.8 168.6



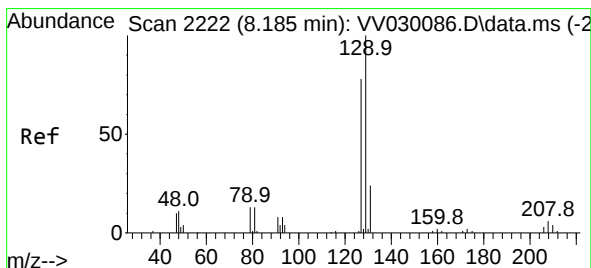
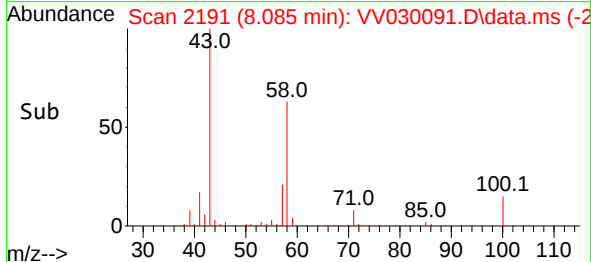
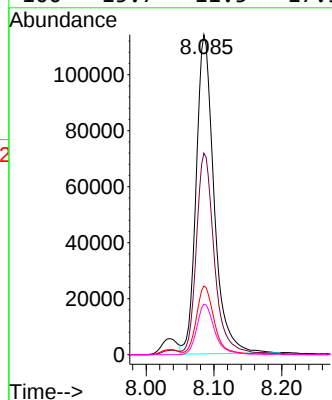
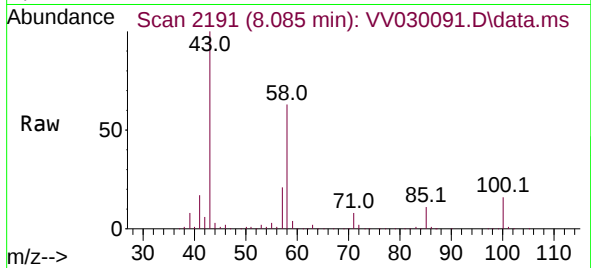


#48
2-Hexanone
Concen: 55.712 ug/L
RT: 8.085 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

Tgt Ion: 43 Resp: 208912

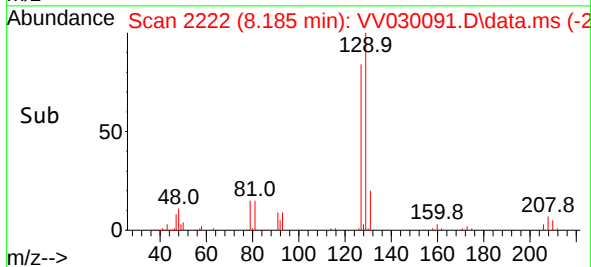
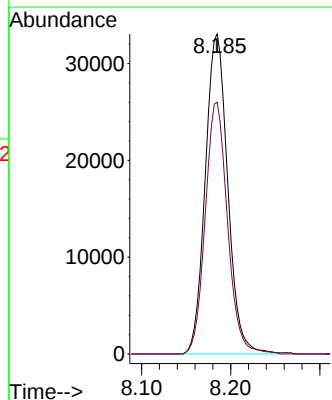
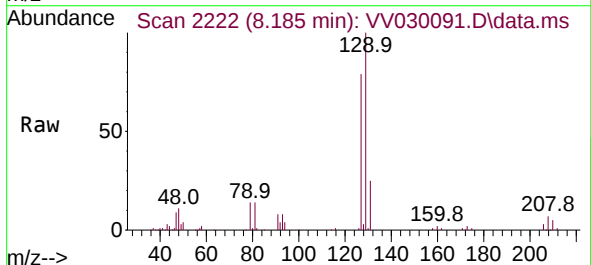
Ion	Ratio	Lower	Upper
43	100		
58	63.5	49.8	74.8
57	21.0	16.6	24.8
100	15.7	11.5	17.3

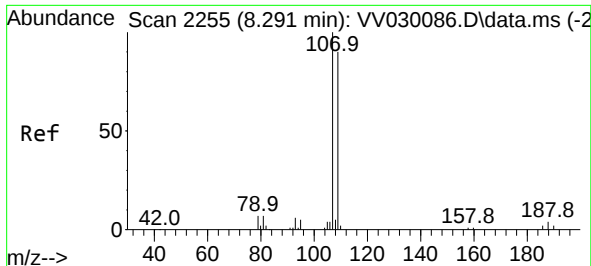


#49
Dibromochloromethane
Concen: 5.451 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 129 Resp: 57934

Ion	Ratio	Lower	Upper
129	100		
127	78.6	54.7	101.5





#50

1,2-Dibromoethane

Concen: 5.430 ug/L

RT: 8.291 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005286

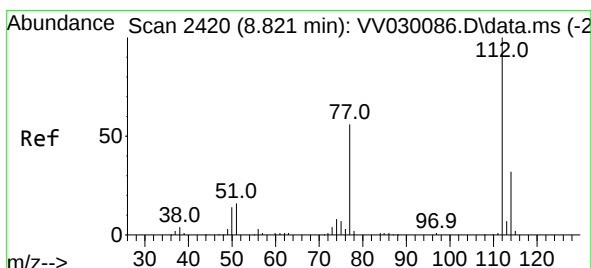
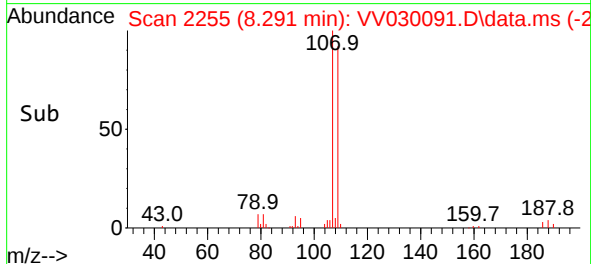
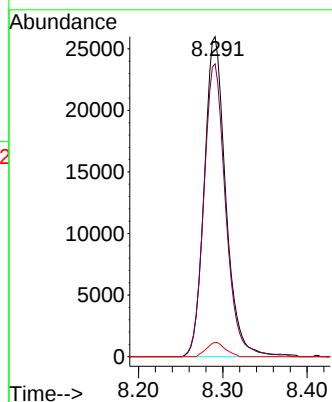
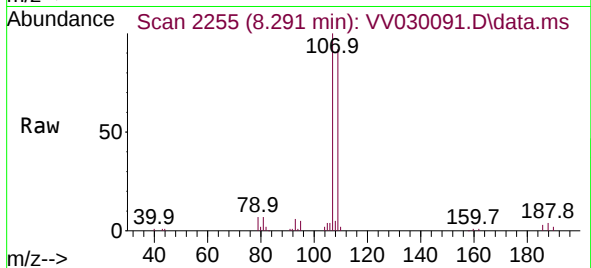
Tgt Ion:107 Resp: 46012

Ion Ratio Lower Upper

107 100

109 91.5 63.3 117.7

188 4.5 3.0 4.6



#51

Chlorobenzene

Concen: 5.310 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

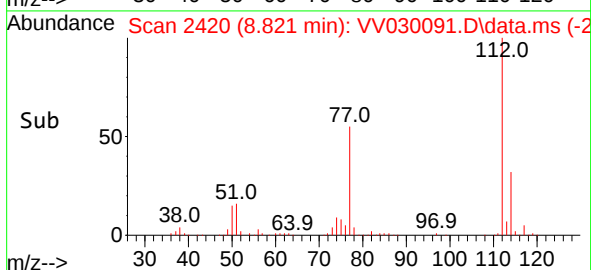
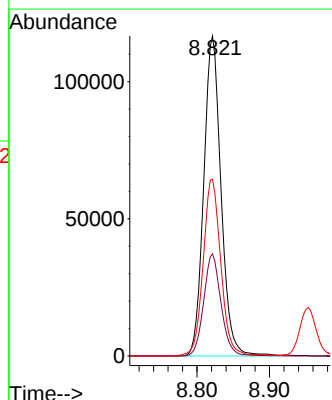
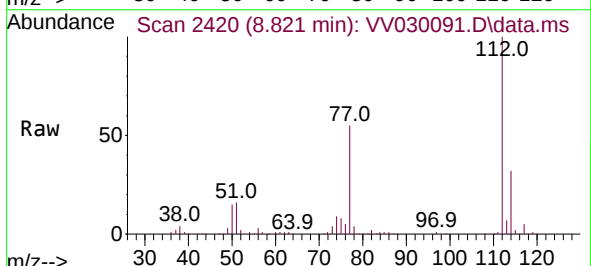
Tgt Ion:112 Resp: 193542

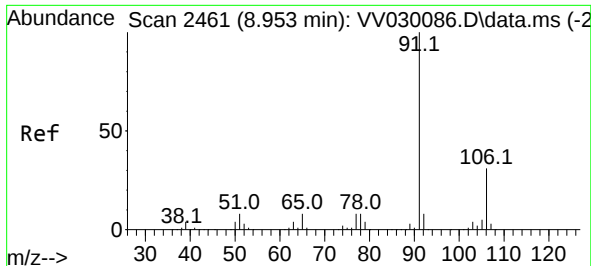
Ion Ratio Lower Upper

112 100

114 31.9 22.5 41.7

77 55.2 45.3 67.9





#52

Ethylbenzene

Concen: 5.385 ug/L

RT: 8.953 min Scan# 2461

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

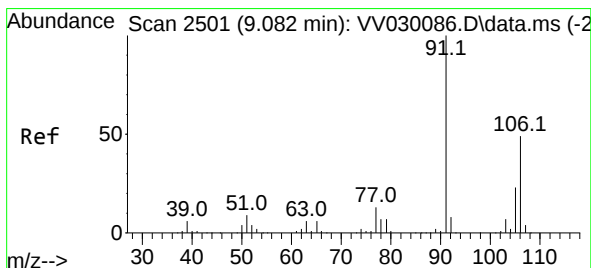
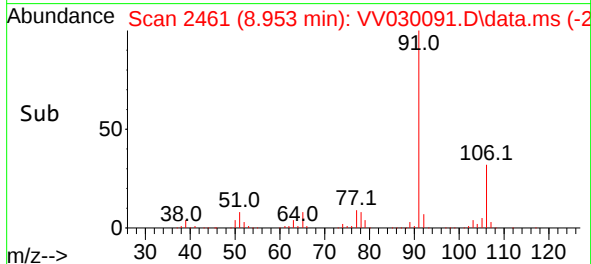
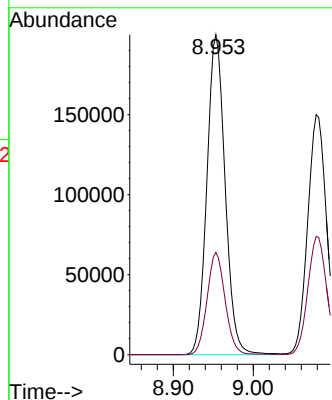
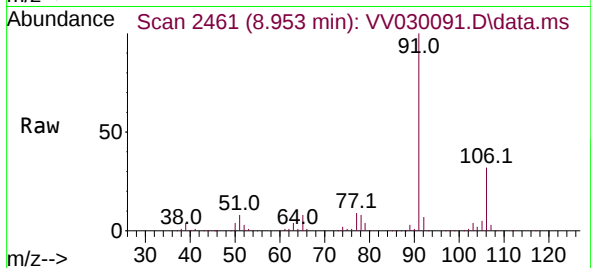
VSTD005286

Tgt Ion: 91 Resp: 316701

Ion Ratio Lower Upper

91 100

106 32.0 22.0 40.8



#53

m,p-Xylene

Concen: 5.412 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. -0.003 min

Lab File: VV030091.D

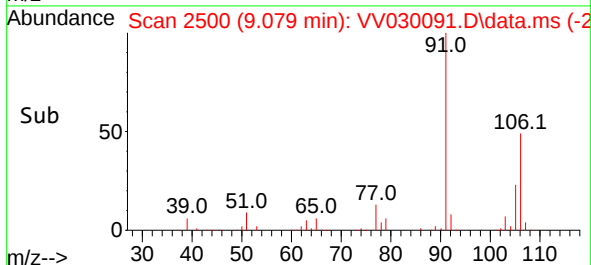
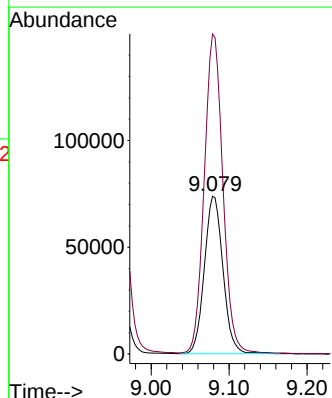
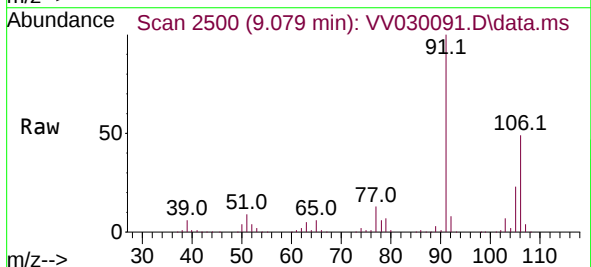
Acq: 28 Feb 2023 09:29

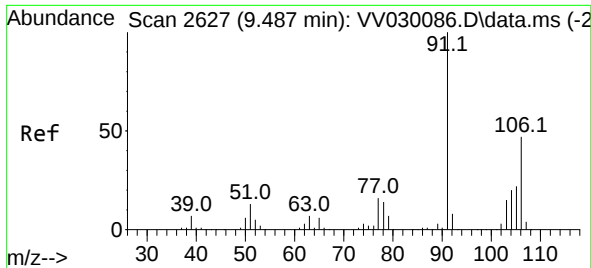
Tgt Ion: 106 Resp: 122320

Ion Ratio Lower Upper

106 100

91 202.9 142.5 264.7

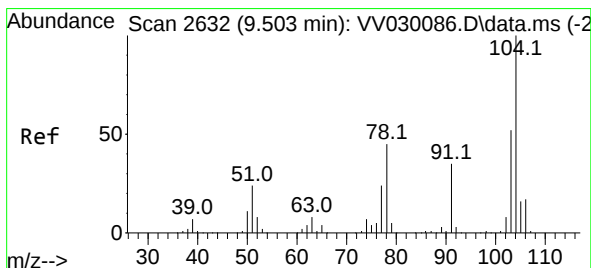
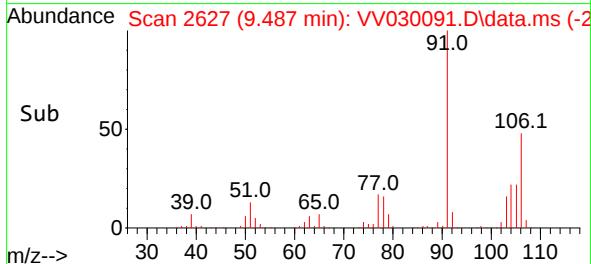
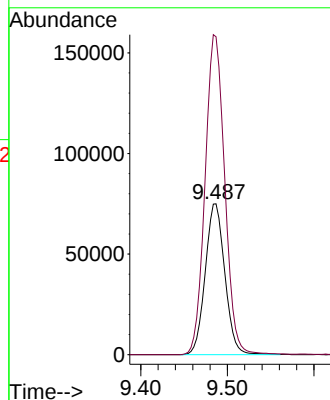
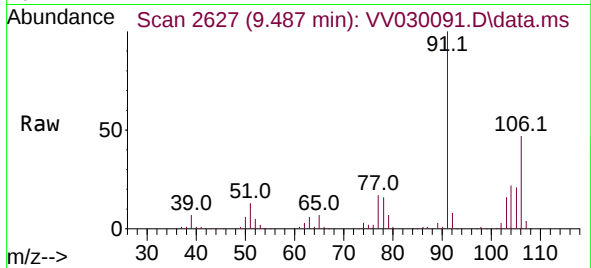




#54
o-Xylene
Concen: 5.463 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

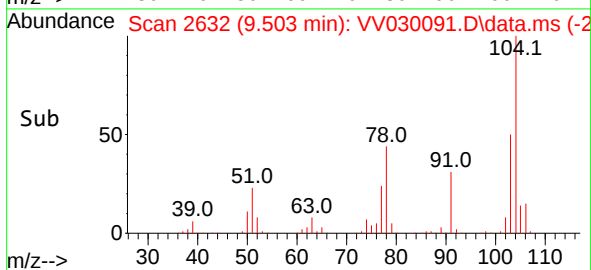
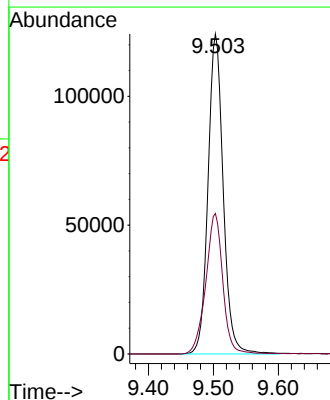
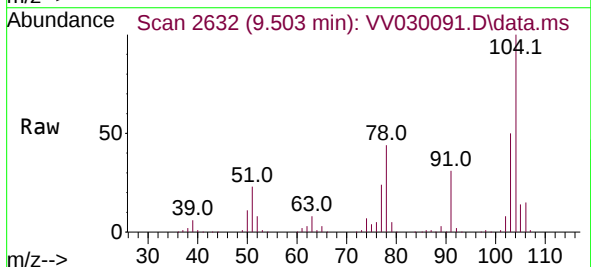
Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

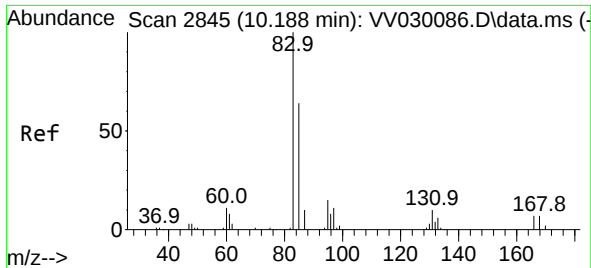
Tgt Ion:106 Resp: 117952
Ion Ratio Lower Upper
106 100
91 210.7 148.8 276.4



#55
Styrene
Concen: 5.635 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion:104 Resp: 202316
Ion Ratio Lower Upper
104 100
78 43.9 31.1 57.9





#57

1,1,2-Tetrachloroethane

Concen: 5.530 ug/L

RT: 10.185 min Scan# 2845

Delta R.T. -0.003 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005286

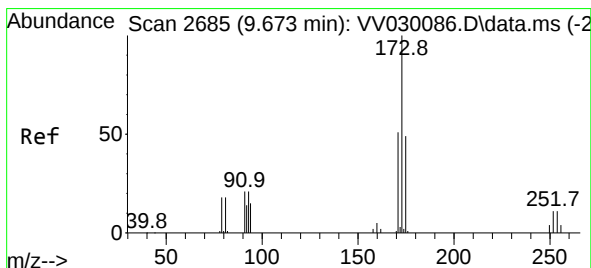
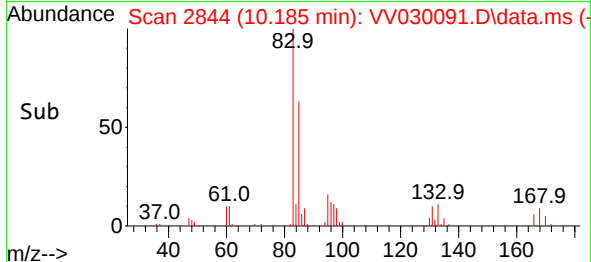
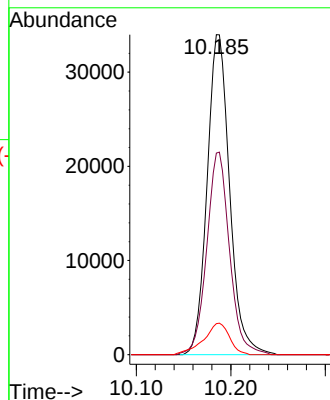
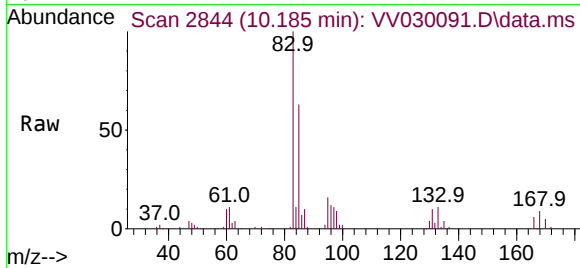
Tgt Ion: 83 Resp: 56183

Ion Ratio Lower Upper

83 100

85 63.0 45.0 83.6

131 9.7 8.2 12.4



#59

Bromoform

Concen: 5.506 ug/L

RT: 9.673 min Scan# 2685

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

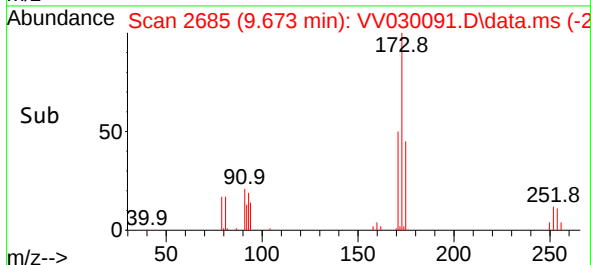
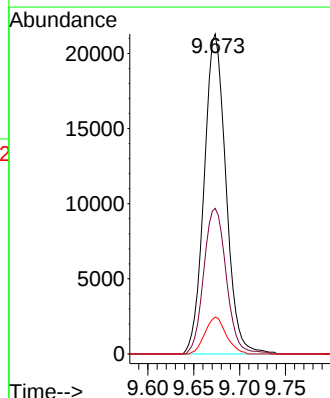
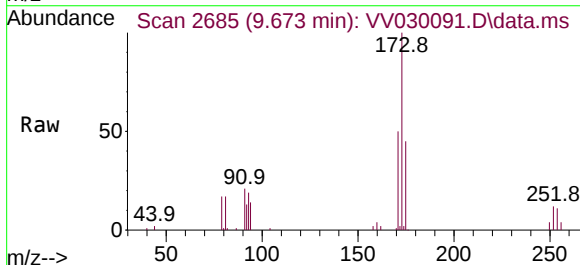
Tgt Ion: 173 Resp: 35229

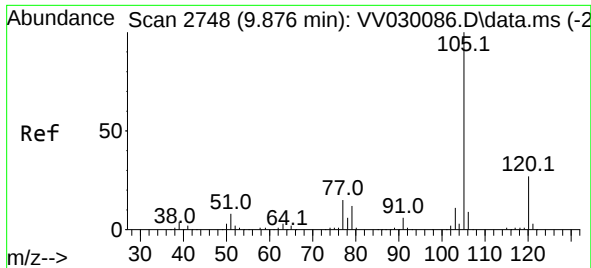
Ion Ratio Lower Upper

173 100

175 47.0 38.5 57.7

254 11.2 8.6 13.0

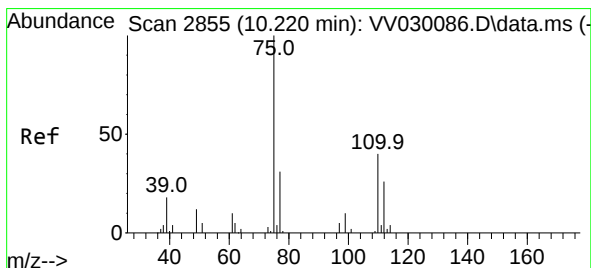
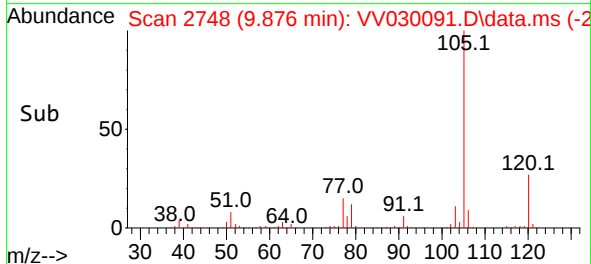
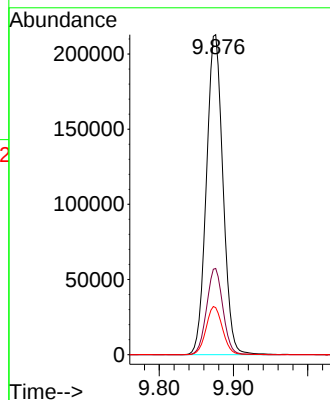
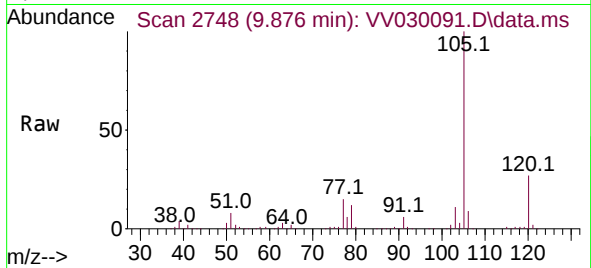




#60
Isopropylbenzene
Concen: 5.354 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

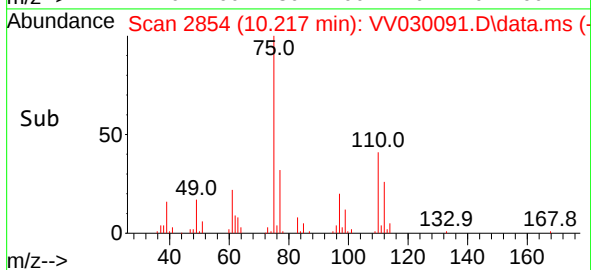
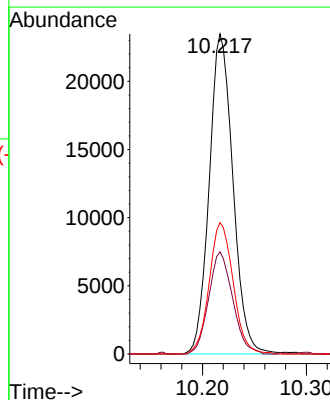
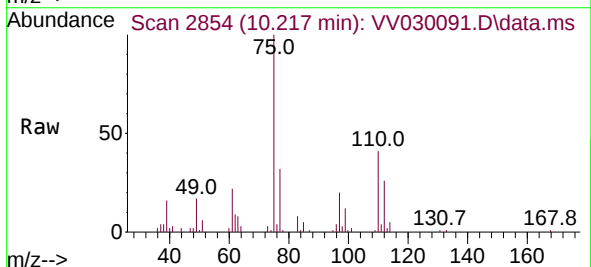
Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

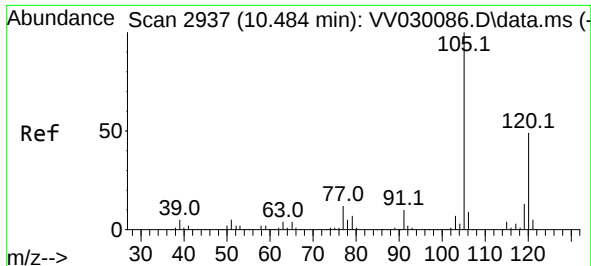
Tgt Ion:105 Resp: 328887
Ion Ratio Lower Upper
105 100
120 26.6 21.4 32.0
77 15.1 12.1 18.1



#61
1,2,3-Trichloropropane
Concen: 5.202 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.003 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion: 75 Resp: 37169
Ion Ratio Lower Upper
75 100
77 32.3 26.5 39.7
110 41.5 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 5.391 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

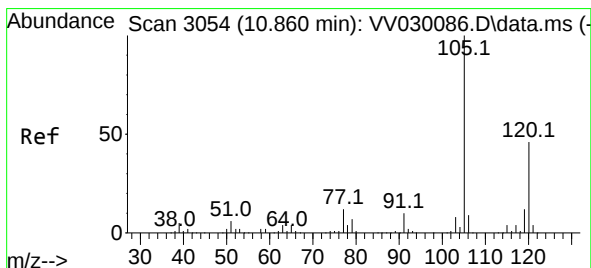
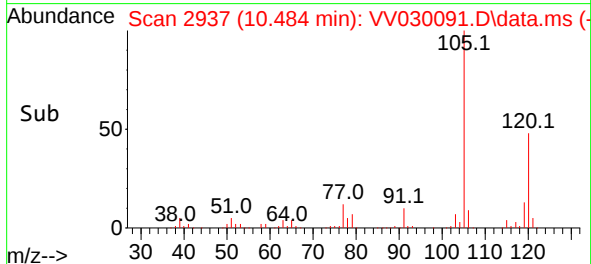
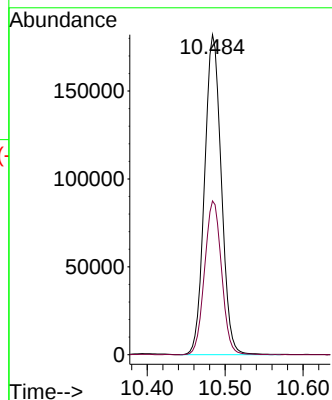
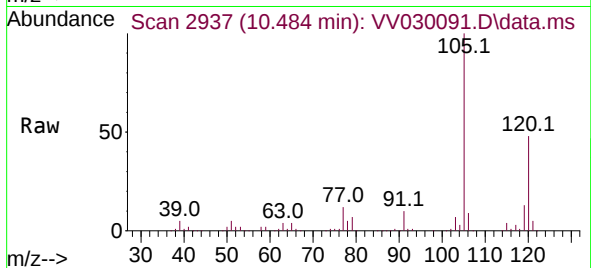
VSTD005286

Tgt Ion:105 Resp: 272016

Ion Ratio Lower Upper

105 100

120 48.7 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 5.448 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030091.D

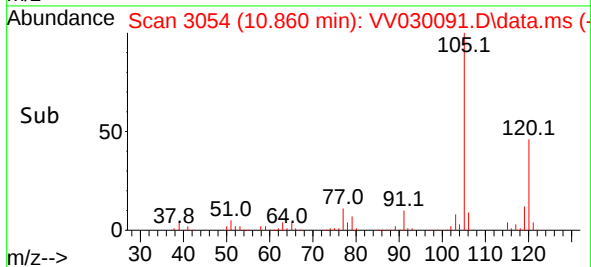
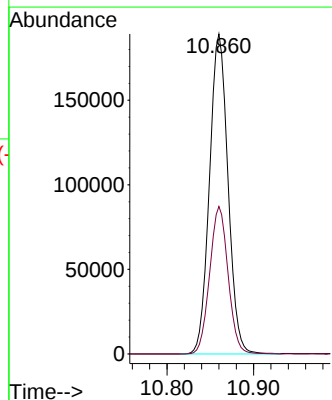
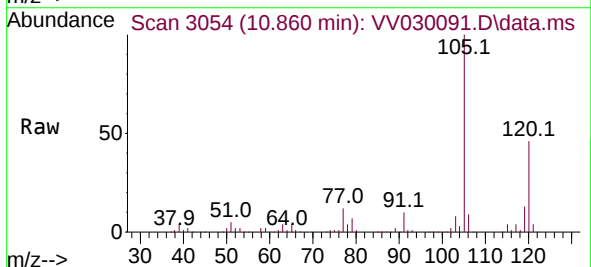
Acq: 28 Feb 2023 09:29

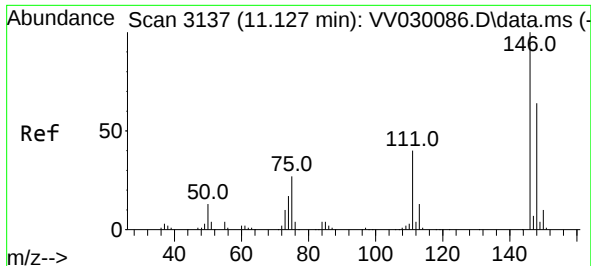
Tgt Ion:105 Resp: 281199

Ion Ratio Lower Upper

105 100

120 45.8 36.2 54.4

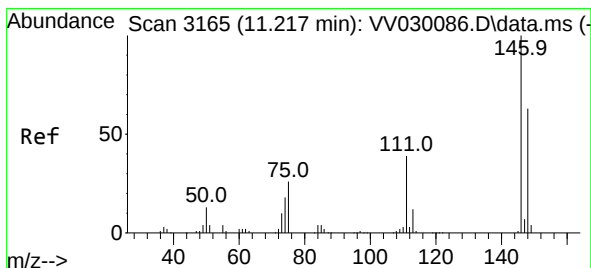
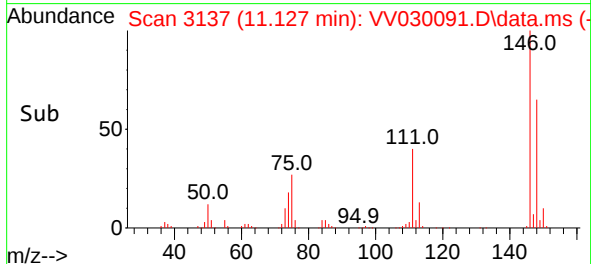
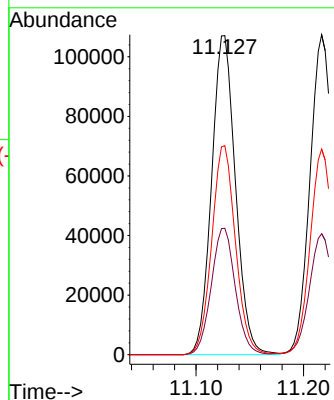
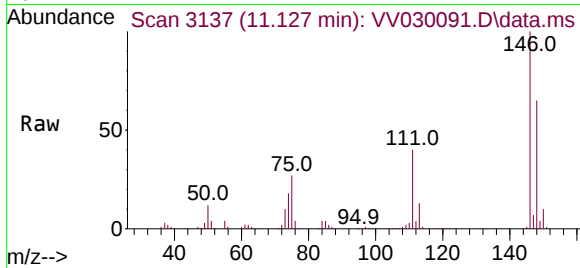




#64
1,3-Dichlorobenzene
Concen: 5.174 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

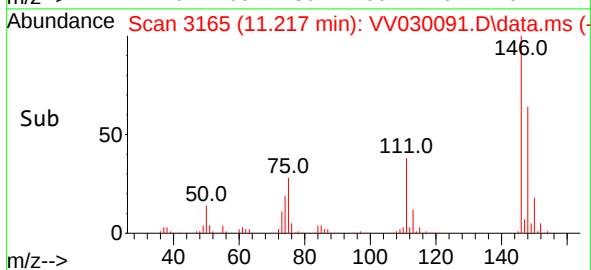
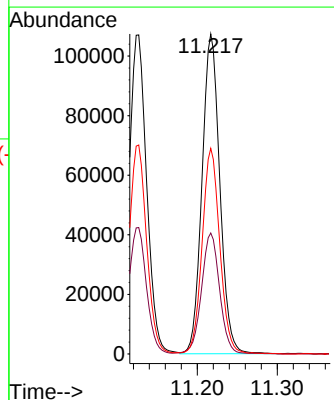
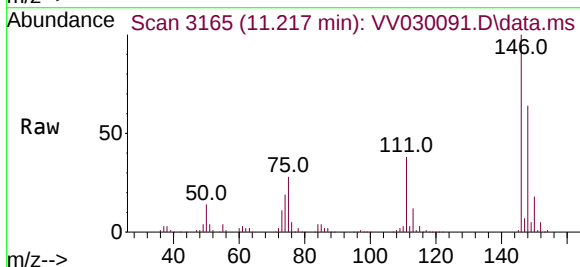
Instrument :
MSVOA_V
ClientSampleId :
VSTD005286

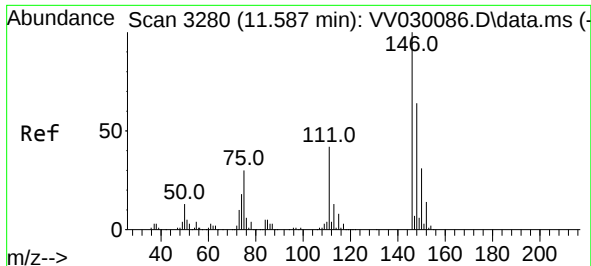
Tgt Ion:146 Resp: 165490
Ion Ratio Lower Upper
146 100
111 39.6 27.7 51.5
148 65.5 44.5 82.7



#65
1,4-Dichlorobenzene
Concen: 5.156 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030091.D
Acq: 28 Feb 2023 09:29

Tgt Ion:146 Resp: 166398
Ion Ratio Lower Upper
146 100
111 37.8 27.4 51.0
148 64.3 44.1 81.9





#67

1,2-Dichlorobenzene

Concen: 5.290 ug/L

RT: 11.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005286

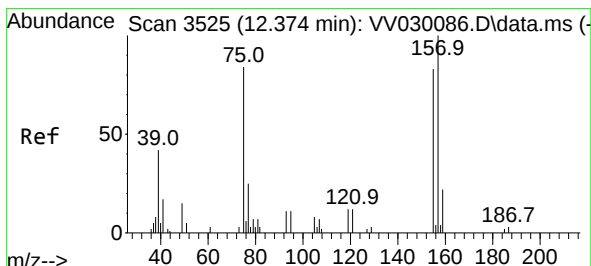
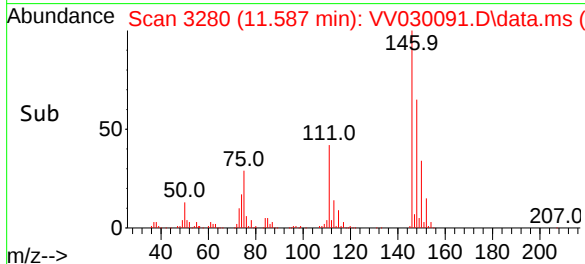
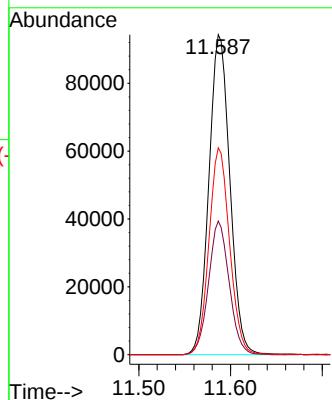
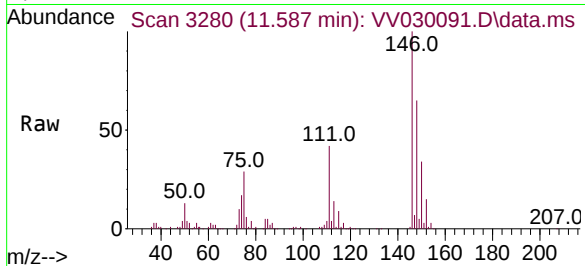
Tgt Ion:146 Resp: 149394

Ion Ratio Lower Upper

146 100

111 41.7 33.5 50.3

148 64.6 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 5.110 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

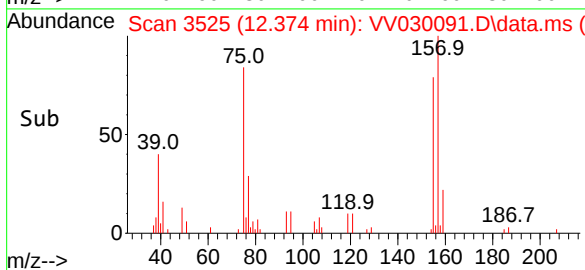
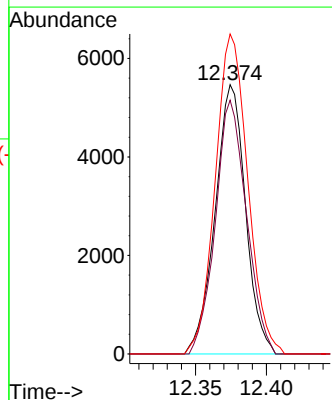
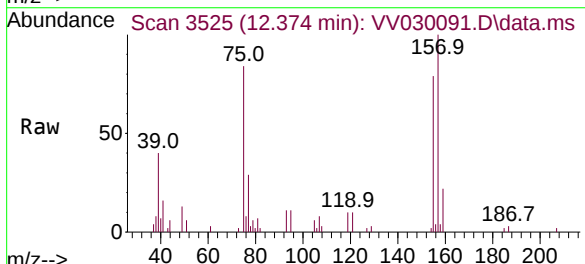
Tgt Ion: 75 Resp: 8155

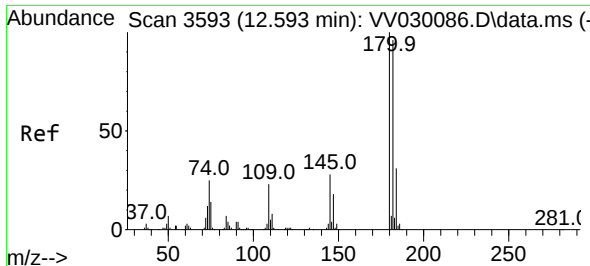
Ion Ratio Lower Upper

75 100

155 94.3 79.1 118.7

157 118.9 95.5 143.3

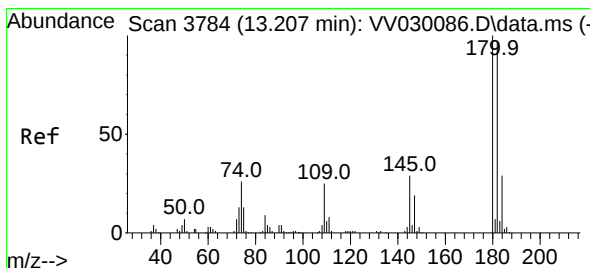
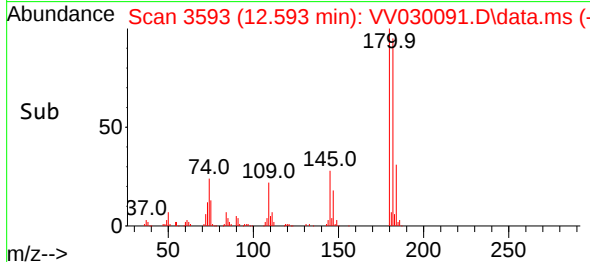
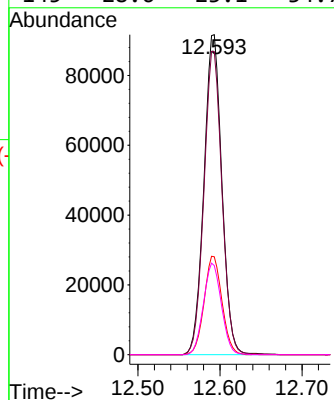
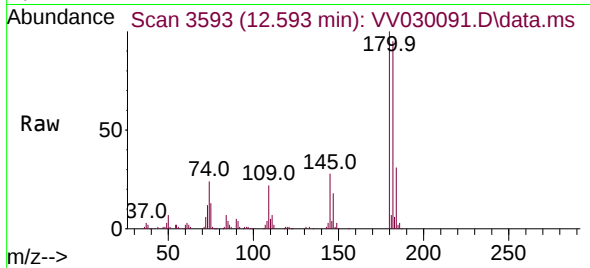




#69
 1,3,5-Trichlorobenzene
 Concen: 5.290 ug/L
 RT: 12.593 min Scan# 3593
 Delta R.T. -0.000 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

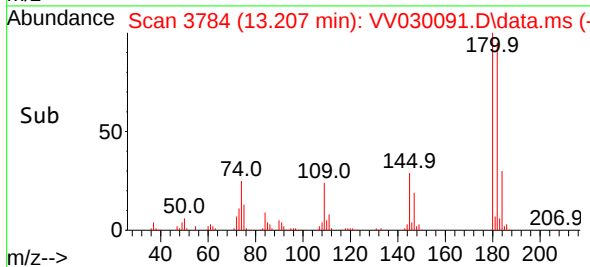
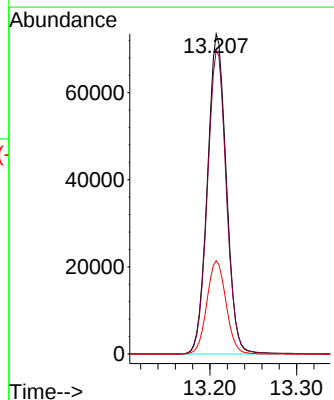
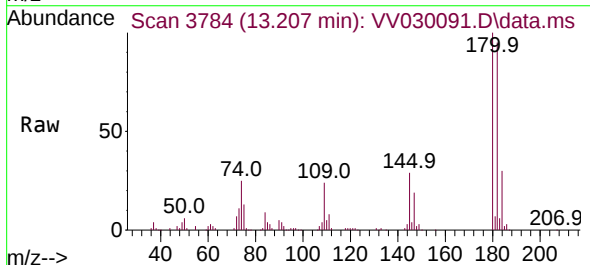
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005286

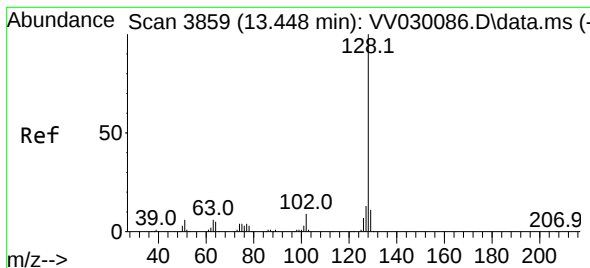
Tgt Ion:	180	Resp:	139106
Ion Ratio	Lower	Upper	
180	100		
182	95.0	76.5	114.7
184	30.6	24.3	36.5
145	28.6	23.1	34.7



#70
 1,2,4-trichlorobenzene
 Concen: 5.227 ug/L
 RT: 13.207 min Scan# 3784
 Delta R.T. -0.000 min
 Lab File: VV030091.D
 Acq: 28 Feb 2023 09:29

Tgt Ion:	180	Resp:	111348
Ion Ratio	Lower	Upper	
180	100		
182	95.4	77.3	115.9
145	29.5	23.1	34.7





#71

Naphthalene

Concen: 5.254 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Instrument :

MSVOA_V

ClientSampleId :

VSTD005286

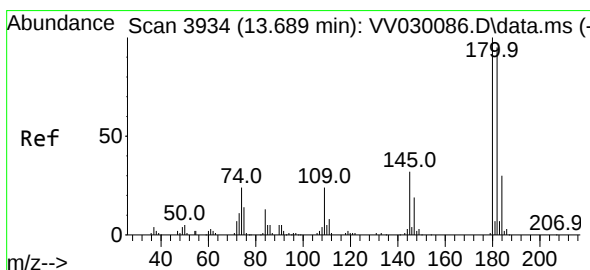
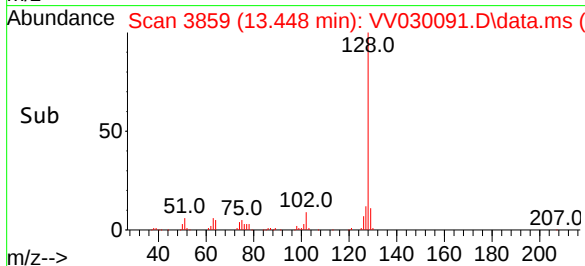
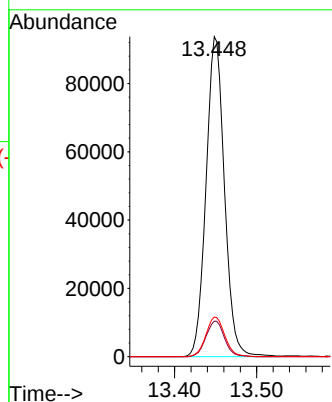
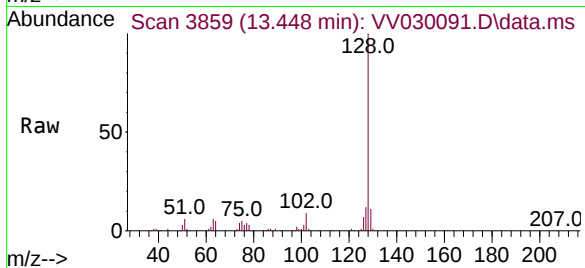
Tgt Ion:128 Resp: 146246

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 12.7 10.4 15.6



#72

1,2,3-Trichlorobenzene

Concen: 5.270 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030091.D

Acq: 28 Feb 2023 09:29

Tgt Ion:180 Resp: 92400

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

145 31.6 25.1 37.7

