

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061323\
 Data File : VW031506.D
 Acq On : 13 Jun 2023 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050369

Quant Time: Jun 13 23:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 13 01:41:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	225622	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	239192	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	147935	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	102775	51.773	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 103.540%		
7) Chloroethane-d5	1.532	69	88690	55.184	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 110.360%		
11) 1,1-Dichloroethene-d2	2.060	65	51032	54.242	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 108.480%		
21) 2-Butanone-d5	3.796	46	155244	108.213	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 108.210%		
24) Chloroform-d	4.252	84	222749	58.991	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 117.980%		
26) 1,2-Dichloroethane-d4	4.947	65	148603	58.664	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 117.320%		
32) Benzene-d6	4.963	84	400292	56.683	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 113.360%		
36) 1,2-Dichloropropane-d6	5.992	67	134706	54.878	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 109.760%		
41) Toluene-d8	7.246	98	395287	60.933	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 121.860%#		
43) trans-1,3-Dichloroprop...	7.558	79	68509	55.407	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 110.820%		
47) 2-Hexanone-d5	8.030	63	94041	101.719	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 101.720%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	162789	52.550	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 105.100%		
66) 1,2-Dichlorobenzene-d4	11.567	152	146193	53.272	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 106.540%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	52549	58.079	ug/L	100
3) Chloromethane	1.217	50	37425	50.971	ug/L	97
5) Vinyl chloride	1.285	62	45483	51.920	ug/L	99
6) Bromomethane	1.487	94	28234	53.624	ug/L	97
8) Chloroethane	1.548	64	39138	55.452	ug/L	97
9) Trichlorofluoromethane	1.715	101	121121	57.282	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	78538	57.436	ug/L	96
12) 1,1-Dichloroethene	2.072	96	49375	54.856	ug/L	95
13) Acetone	2.124	43	144325	112.456	ug/L	99
14) Carbon disulfide	2.243	76	34646	44.999	ug/L	99
15) Methyl Acetate	2.378	43	111993	57.788	ug/L	98
16) Methylene chloride	2.449	84	75491	55.562	ug/L	96
17) trans-1,2-Dichloroethene	2.696	96	46148	54.076	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	287340	54.778	ug/L	99
19) 1,1-Dichloroethane	3.114	63	167939	56.891	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	76642	55.240	ug/L	97
22) 2-Butanone	3.876	43	180627	114.512	ug/L	99
23) Bromochloromethane	4.153	128	43466	59.575	ug/L	90
25) Chloroform	4.281	83	197009	59.849	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061323\
 Data File : VW031506.D
 Acq On : 13 Jun 2023 09:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050369

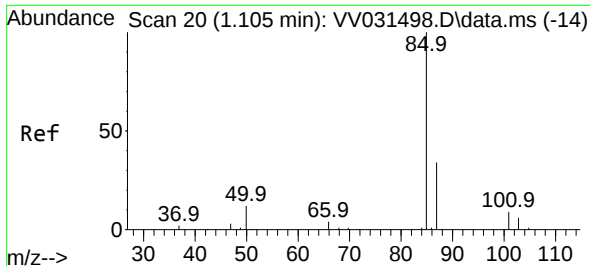
Quant Time: Jun 13 23:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 13 01:41:31 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	147748	61.469	ug/L	99
29) Cyclohexane	4.587	56	60523	47.244	ug/L	100
30) 1,1,1-Trichloroethane	4.516	97	155868	55.206	ug/L	99
31) Carbon tetrachloride	4.738	117	129984	55.420	ug/L	99
33) Benzene	5.014	78	293033	55.522	ug/L	100
34) Trichloroethene	5.838	95	95200	57.254	ug/L	96
35) Methylcyclohexane	6.056	83	69215	48.671	ug/L	99
37) 1,2-Dichloropropane	6.098	63	108741	57.242	ug/L	99
38) Bromodichloromethane	6.436	83	155458	55.912	ug/L	97
39) cis-1,3-Dichloropropene	6.960	75	145100	51.125	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	350381	113.541	ug/L	100
42) Toluene	7.320	91	344539	58.323	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	162232	56.356	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	112961	57.528	ug/L	99
46) Tetrachloroethene	7.908	164	60258	55.822	ug/L	98
48) 2-Hexanone	8.082	43	284321	117.706	ug/L	99
49) Dibromochloromethane	8.181	129	124362	58.060	ug/L	98
50) 1,2-Dibromoethane	8.288	107	106458	56.316	ug/L	98
51) Chlorobenzene	8.818	112	250503	55.769	ug/L	97
52) Ethylbenzene	8.953	91	407280	55.397	ug/L	99
53) m,p-Xylene	9.079	106	150571	56.832	ug/L	100
54) o-Xylene	9.484	106	151694	56.757	ug/L	98
55) Styrene	9.500	104	301137	61.801	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	156651	52.044	ug/L	98
59) Bromoform	9.670	173	99250	52.360	ug/L	99
60) Isopropylbenzene	9.873	105	453898	53.694	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	159861	53.381	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	372861	53.408	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	376544	53.884	ug/L	99
64) 1,3-Dichlorobenzene	11.123	146	236948	54.762	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	246303	53.817	ug/L	98
67) 1,2-Dichlorobenzene	11.586	146	243276	54.846	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	41464	52.236	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	175696	52.742	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	148257	52.168	ug/L	99
71) Naphthalene	13.445	128	351784	45.162	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	151632	53.230	ug/L	99

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

Quant Time: Jun 13 23:45:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 13 01:41:31 2023
Response via : Initial Calibration

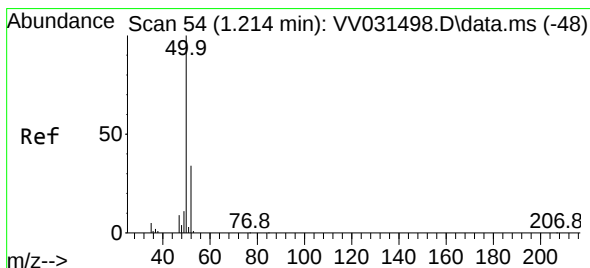
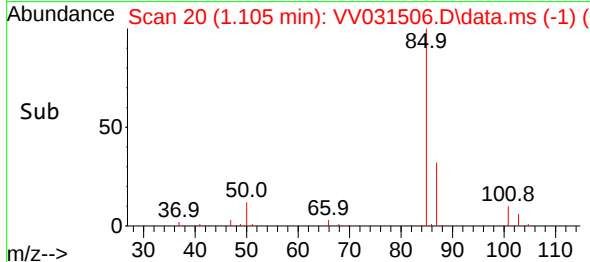
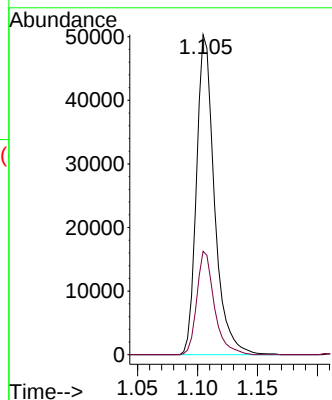
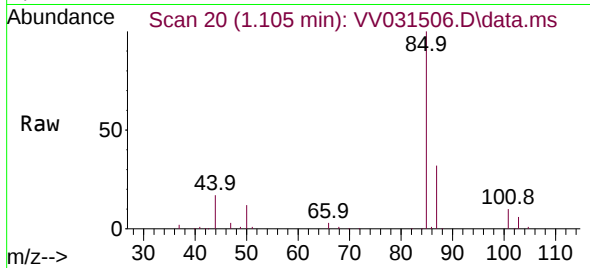




#2
 Dichlorodifluoromethane
 Concen: 58.079 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV031506.D
 Acq: 13 Jun 2023 09:52

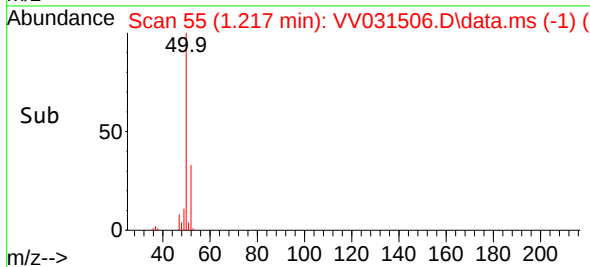
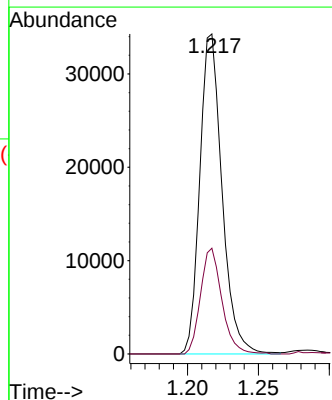
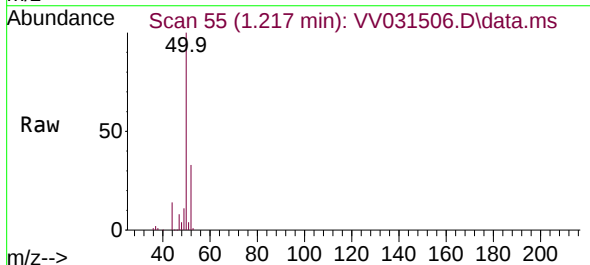
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050369

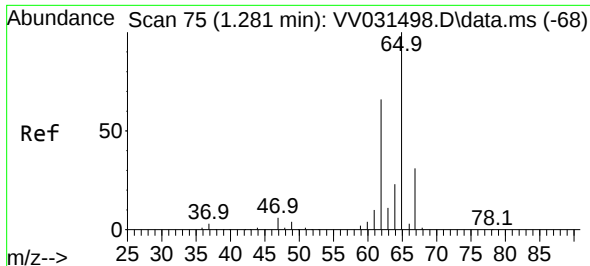
Tgt Ion: 85 Resp: 52549
 Ion Ratio Lower Upper
 85 100
 87 31.5 25.0 37.6



#3
 Chloromethane
 Concen: 50.971 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.003 min
 Lab File: VV031506.D
 Acq: 13 Jun 2023 09:52

Tgt Ion: 50 Resp: 37425
 Ion Ratio Lower Upper
 50 100
 52 33.0 21.9 40.7

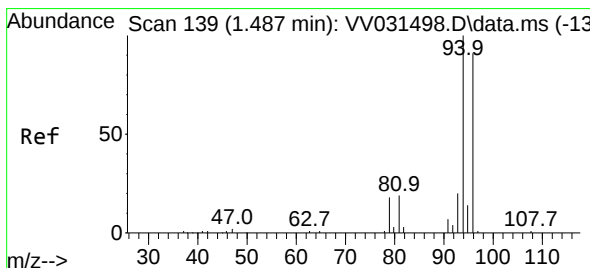
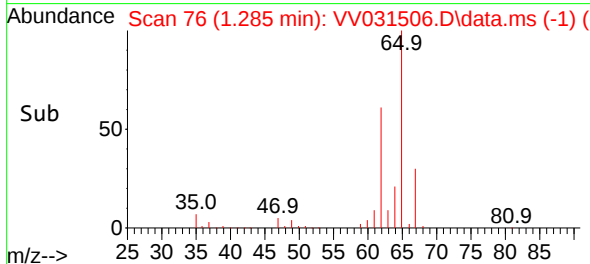
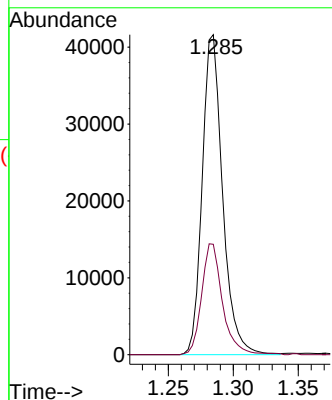
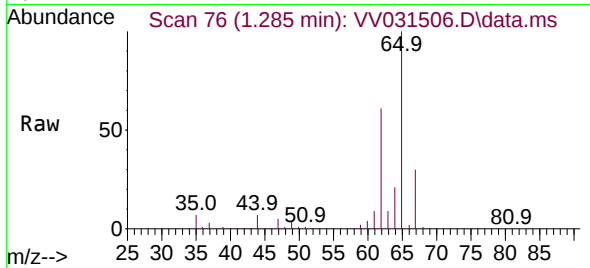




#5
 Vinyl chloride
 Concen: 51.920 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV031506.D
 Acq: 13 Jun 2023 09:52

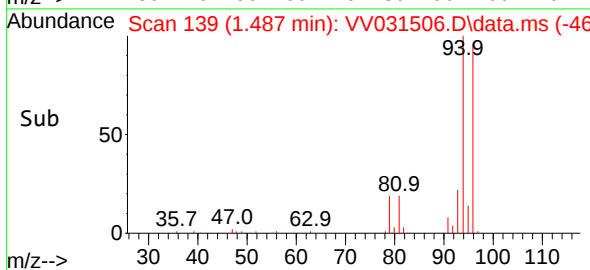
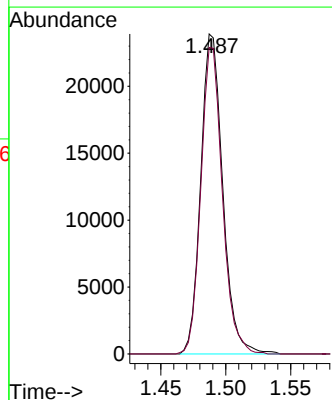
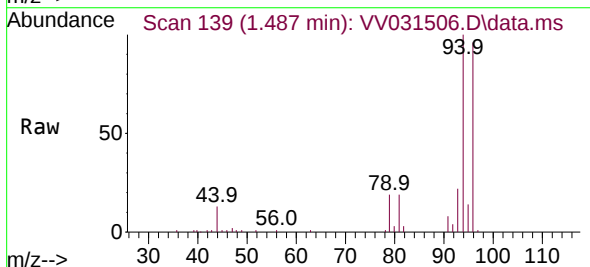
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050369

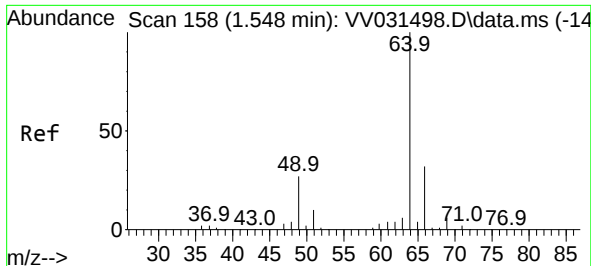
Tgt Ion: 62 Resp: 45483
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.7 43.9



#6
 Bromomethane
 Concen: 53.624 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.000 min
 Lab File: VV031506.D
 Acq: 13 Jun 2023 09:52

Tgt Ion: 94 Resp: 28234
 Ion Ratio Lower Upper
 94 100
 96 95.8 65.4 121.4

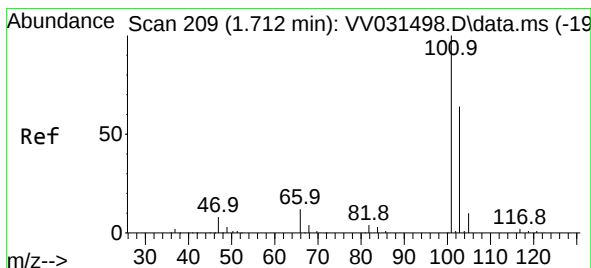
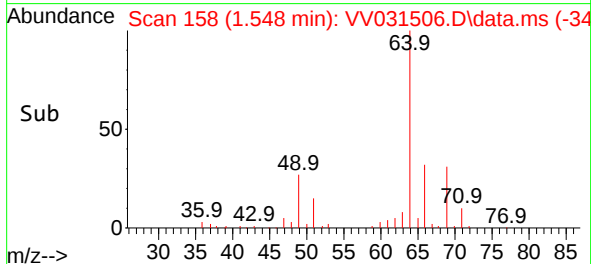
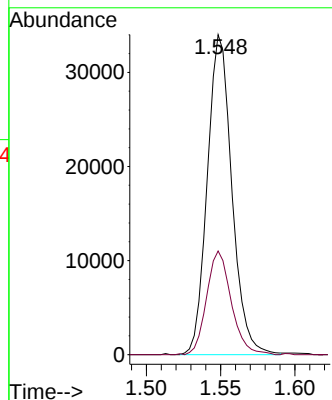
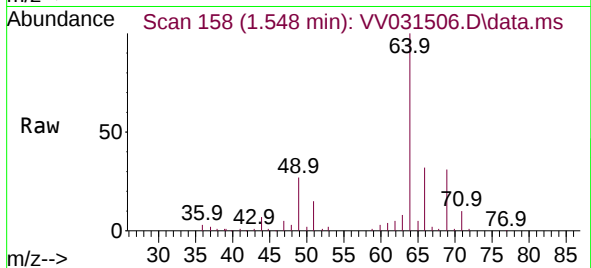




#8
Chloroethane
Concen: 55.452 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

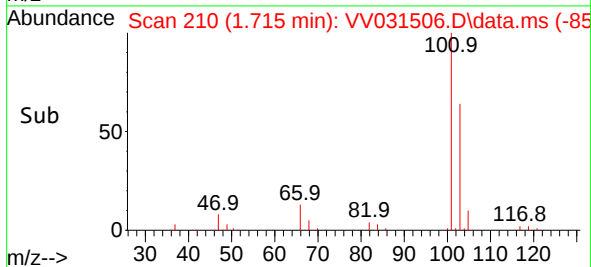
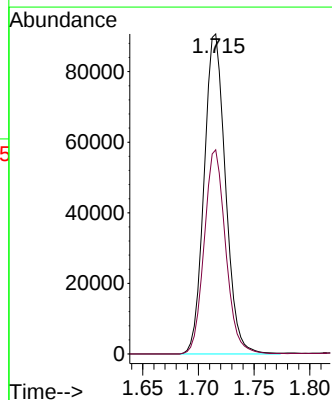
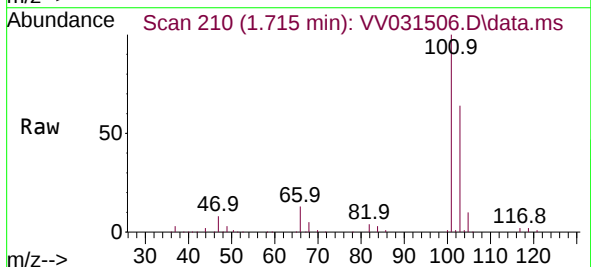
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

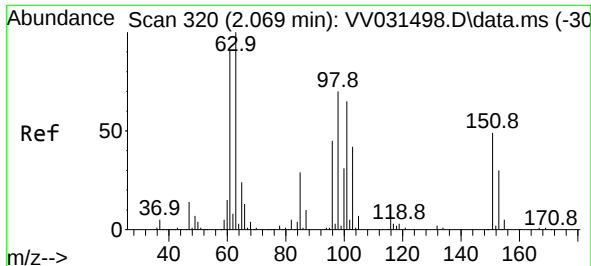
Tgt Ion: 64 Resp: 39138
Ion Ratio Lower Upper
64 100
66 32.4 21.4 39.8



#9
Trichlorofluoromethane
Concen: 57.282 ug/L
RT: 1.715 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion:101 Resp: 121121
Ion Ratio Lower Upper
101 100
103 63.9 51.8 77.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 57.436 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050369

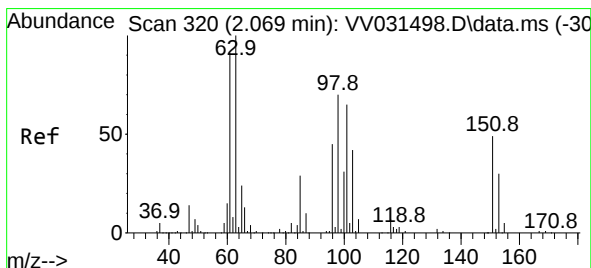
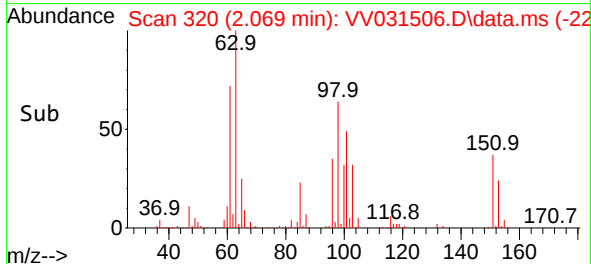
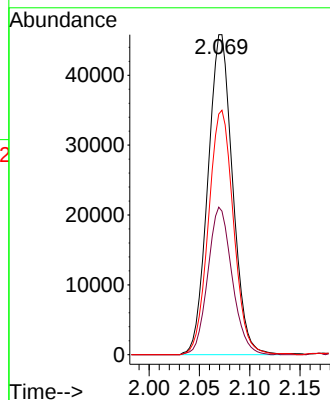
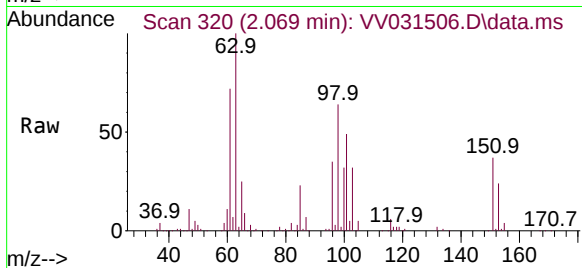
Tgt Ion:101 Resp: 78538

Ion Ratio Lower Upper

101 100

85 45.2 37.3 55.9

151 77.2 57.8 86.6



#12

1,1-Dichloroethene

Concen: 54.856 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

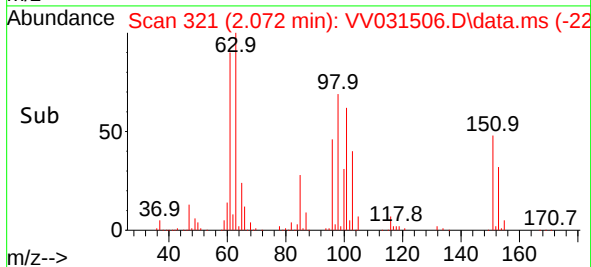
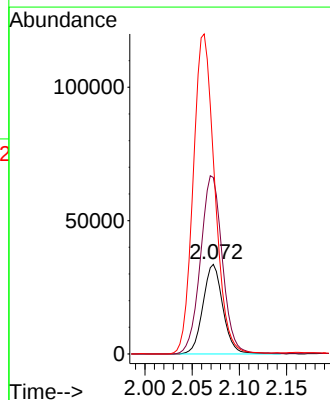
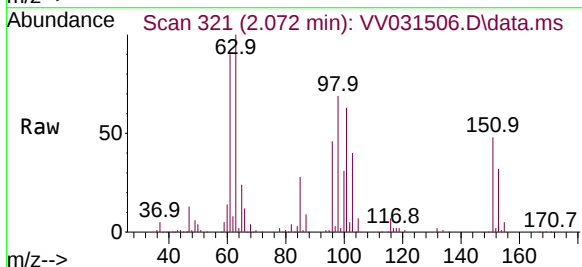
Tgt Ion: 96 Resp: 49375

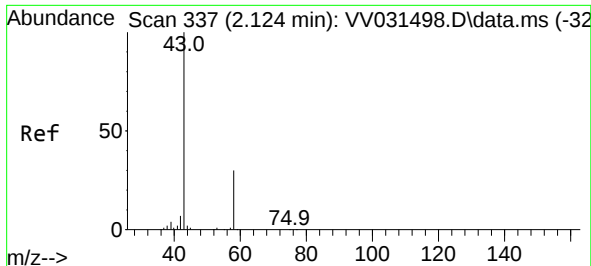
Ion Ratio Lower Upper

96 100

61 196.9 143.9 267.3

63 217.8 158.3 293.9





#13

Acetone

Concen: 112.456 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

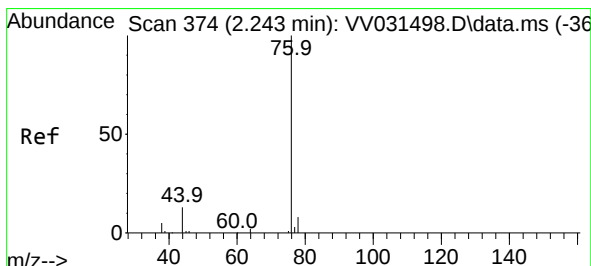
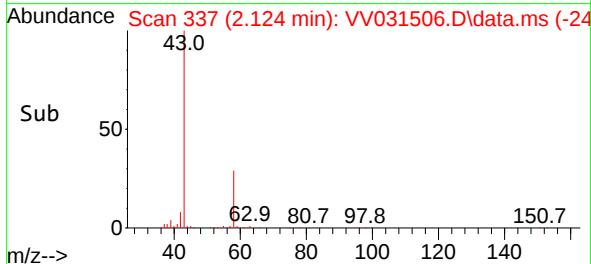
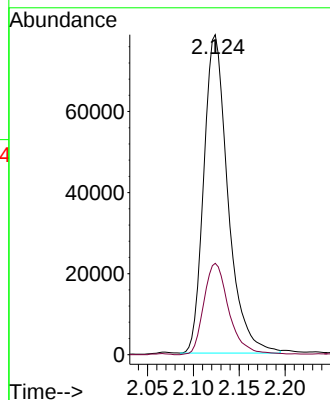
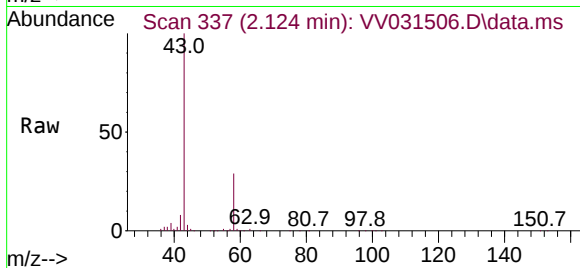
VSTD050369

Tgt Ion: 43 Resp: 144325

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.0



#14

Carbon disulfide

Concen: 44.999 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031506.D

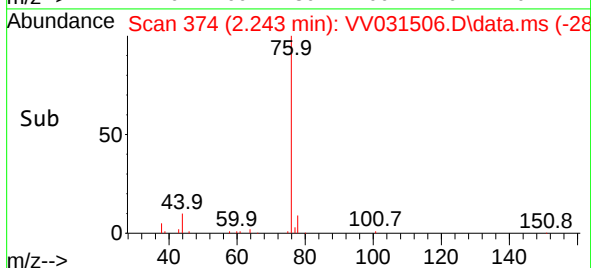
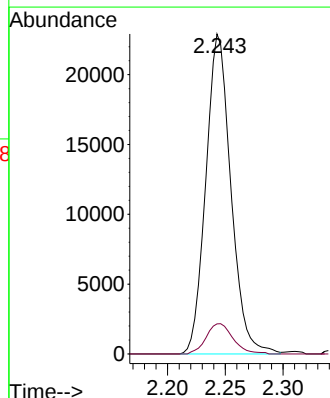
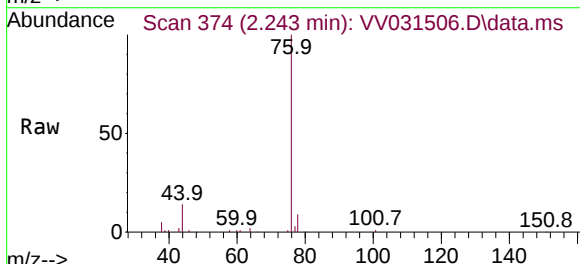
Acq: 13 Jun 2023 09:52

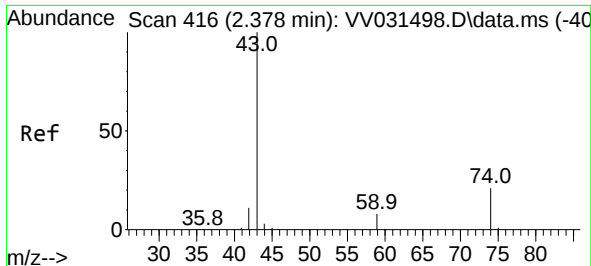
Tgt Ion: 76 Resp: 34646

Ion Ratio Lower Upper

76 100

78 9.4 7.9 11.9

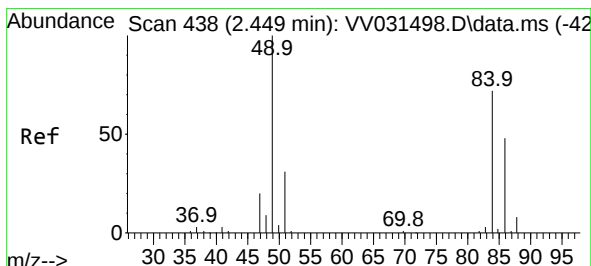
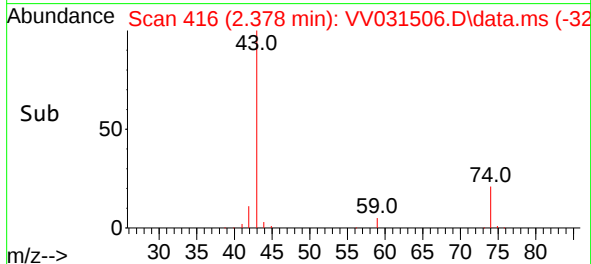
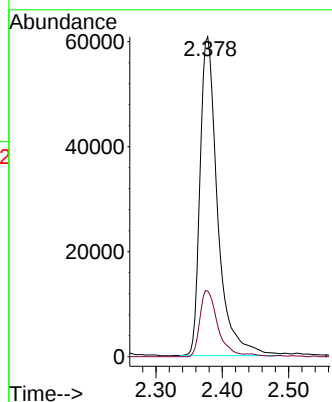
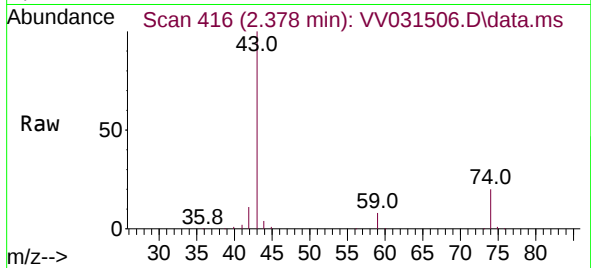




#15
Methyl Acetate
Concen: 57.788 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

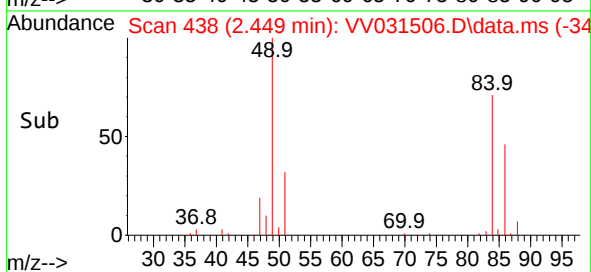
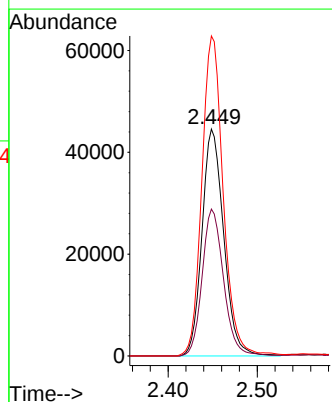
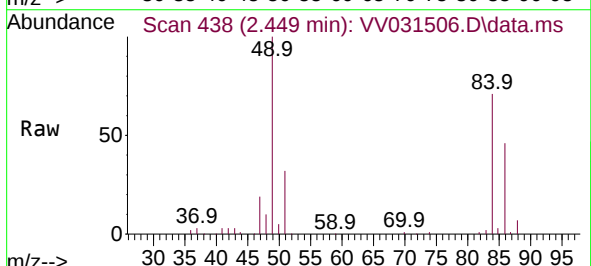
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

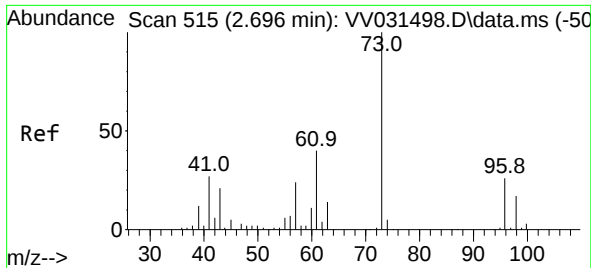
Tgt Ion: 43 Resp: 111993
Ion Ratio Lower Upper
43 100
74 20.9 16.0 24.0



#16
Methylene chloride
Concen: 55.562 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 84 Resp: 75491
Ion Ratio Lower Upper
84 100
86 64.7 46.1 85.5
49 141.1 102.7 190.7

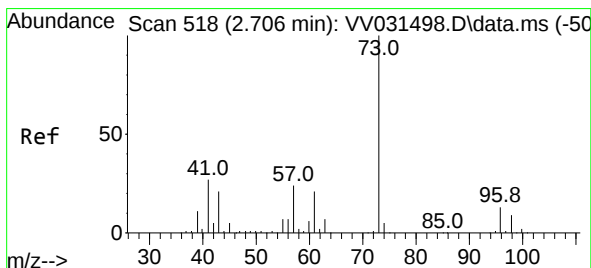
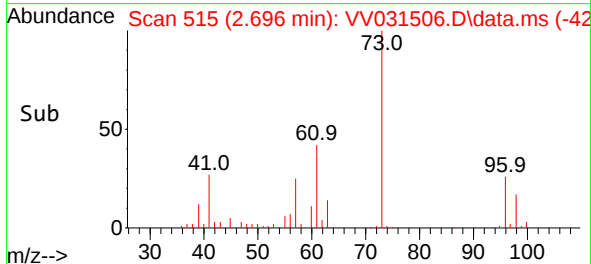
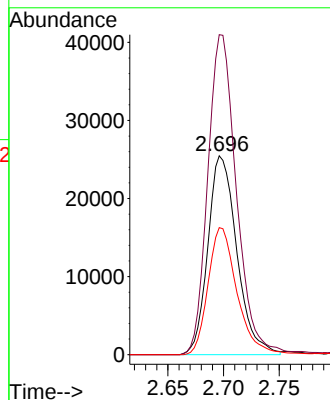
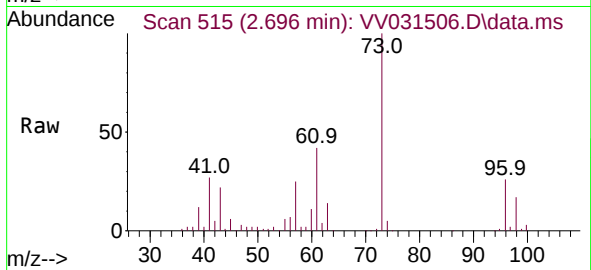




#17
trans-1,2-Dichloroethene
Concen: 54.076 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

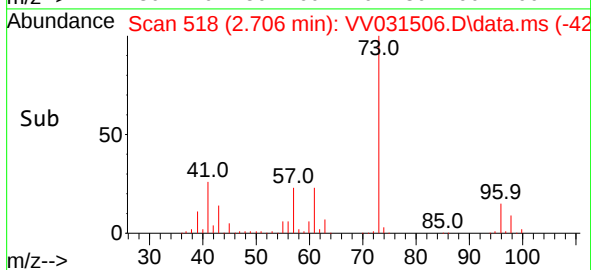
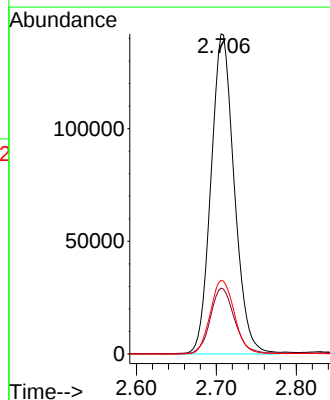
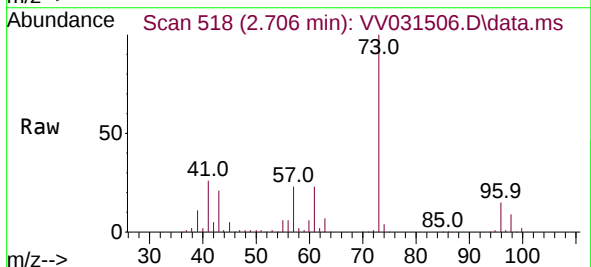
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

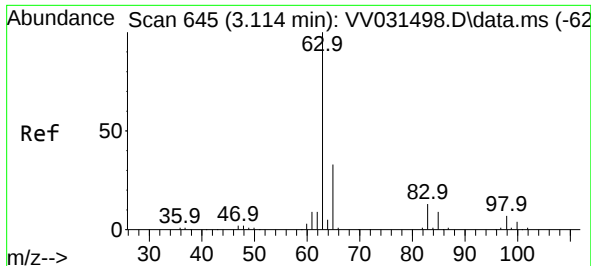
Tgt Ion: 96 Resp: 46148
Ion Ratio Lower Upper
96 100
61 160.9 106.9 198.5
98 63.9 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 54.778 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 73 Resp: 287340
Ion Ratio Lower Upper
73 100
43 21.2 16.6 25.0
57 23.9 18.6 28.0





#19

1,1-Dichloroethane

Concen: 56.891 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050369

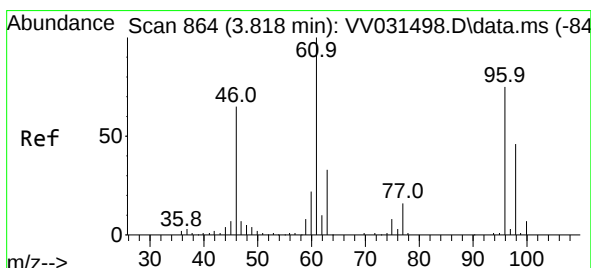
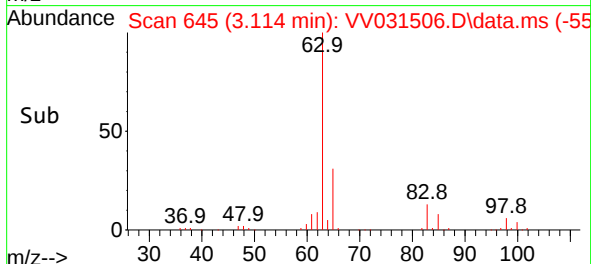
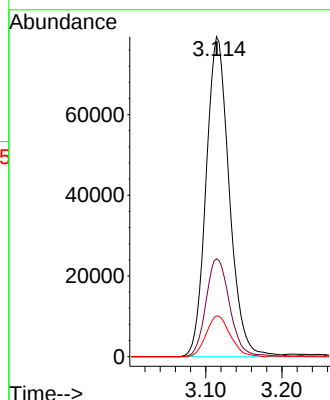
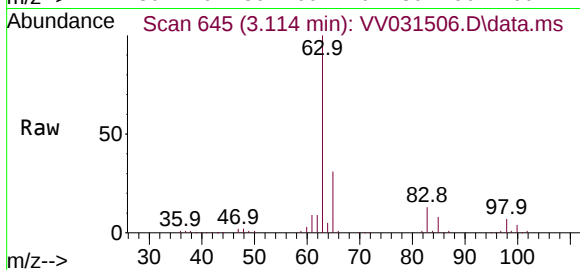
Tgt Ion: 63 Resp: 167939

Ion Ratio Lower Upper

63 100

65 30.6 21.4 39.8

83 12.8 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 55.240 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

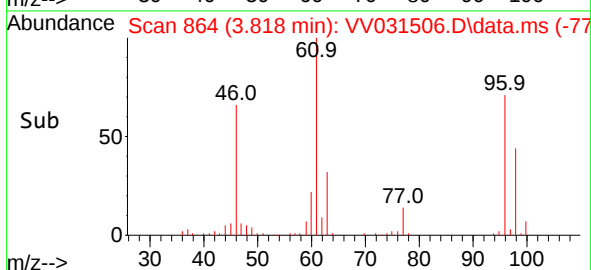
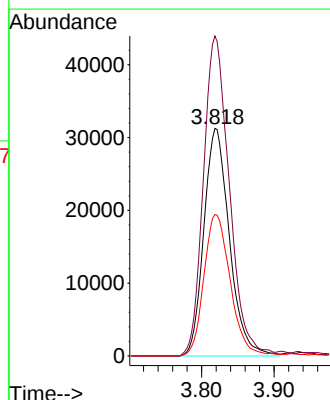
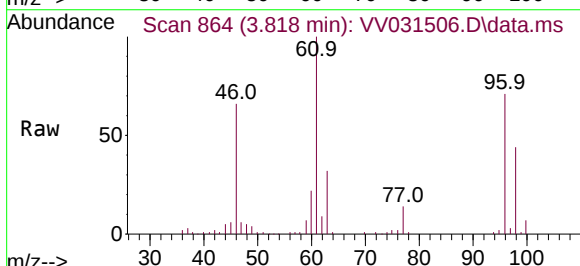
Tgt Ion: 96 Resp: 76642

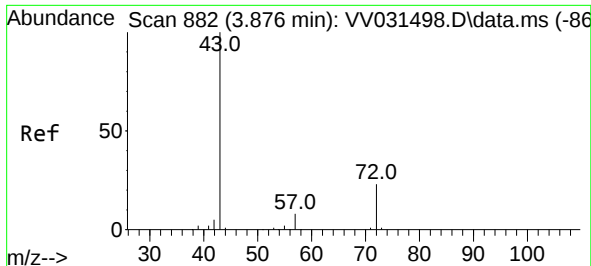
Ion Ratio Lower Upper

96 100

61 140.7 101.6 188.6

98 62.2 44.4 82.4

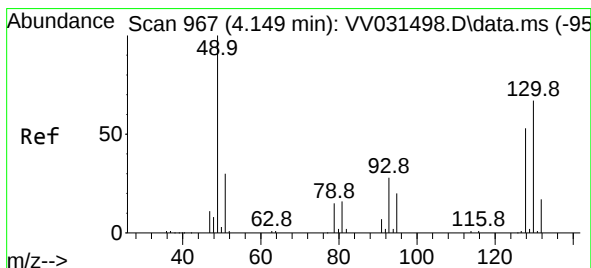
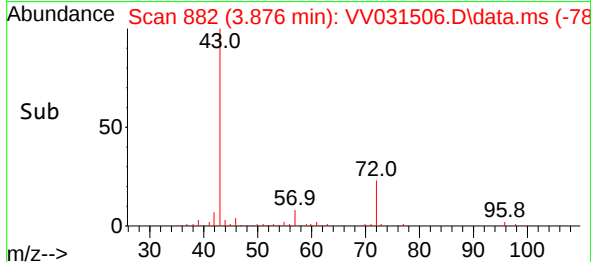
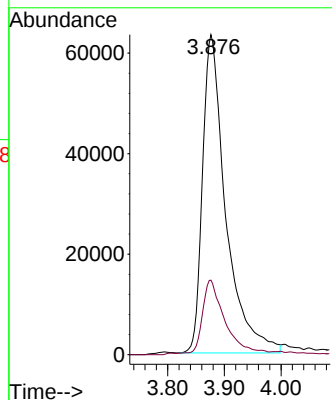
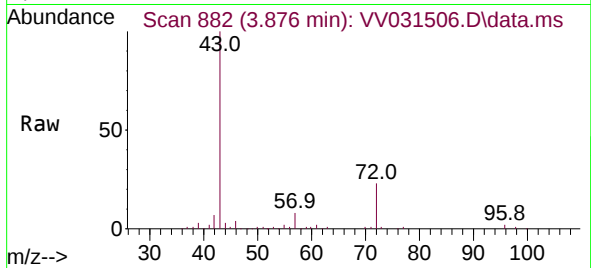




#22
2-Butanone
Concen: 114.512 ug/L
RT: 3.876 min Scan# 882
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

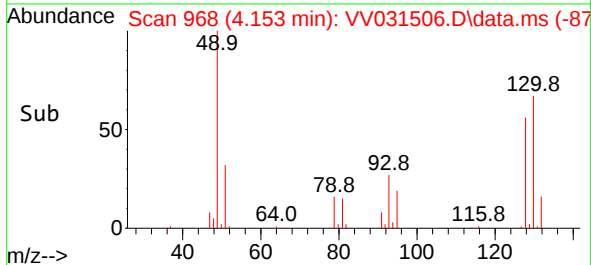
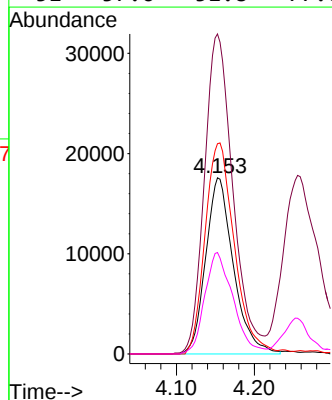
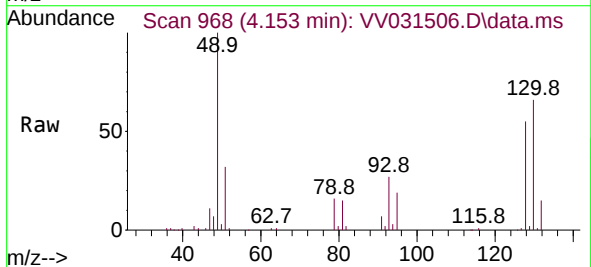
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

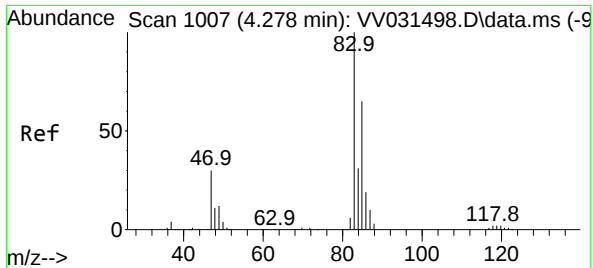
Tgt Ion: 43 Resp: 180627
Ion Ratio Lower Upper
43 100
72 21.5 10.4 31.4



#23
Bromochloromethane
Concen: 59.575 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion:128 Resp: 43466
Ion Ratio Lower Upper
128 100
49 181.7 138.2 256.6
130 119.3 91.4 169.8
51 57.6 51.8 77.6

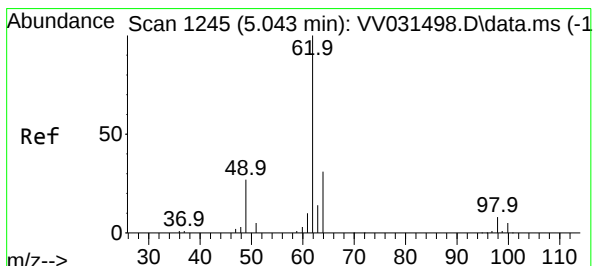
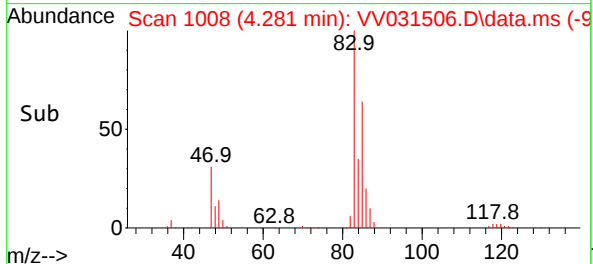
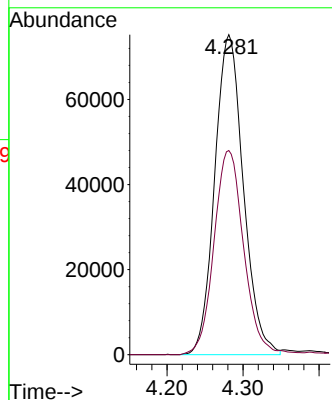
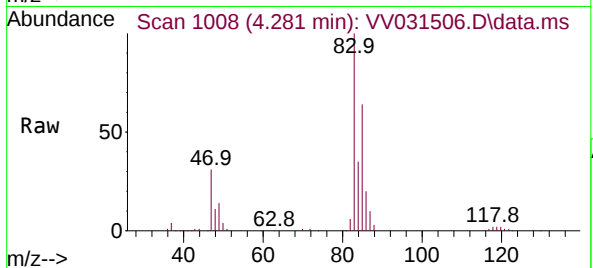




#25
Chloroform
Concen: 59.849 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

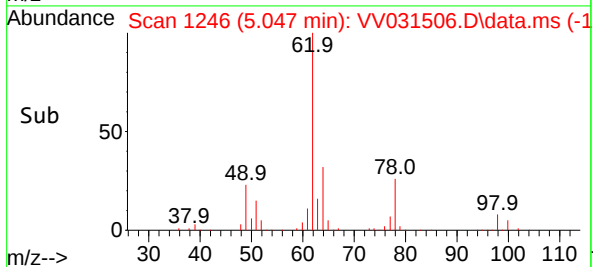
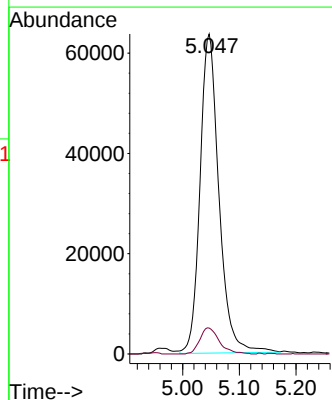
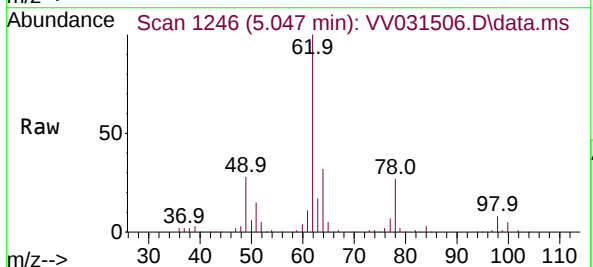
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

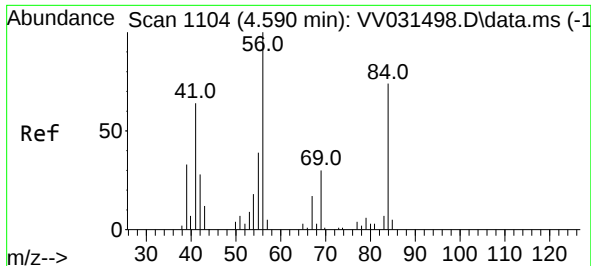
Tgt Ion: 83 Resp: 197009
Ion Ratio Lower Upper
83 100
85 63.8 43.9 81.5



#27
1,2-Dichloroethane
Concen: 61.469 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 62 Resp: 147748
Ion Ratio Lower Upper
62 100
98 8.1 6.2 9.4

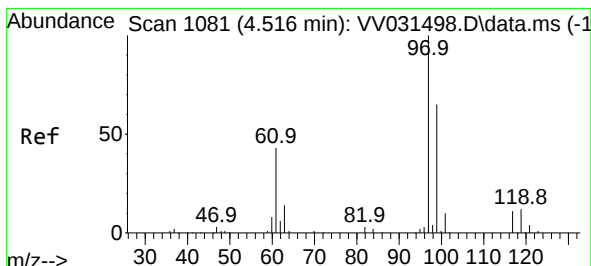
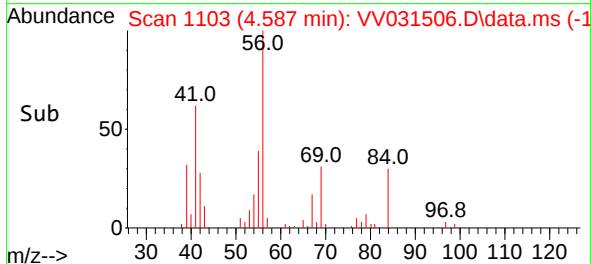
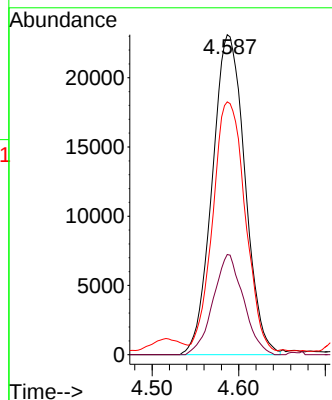
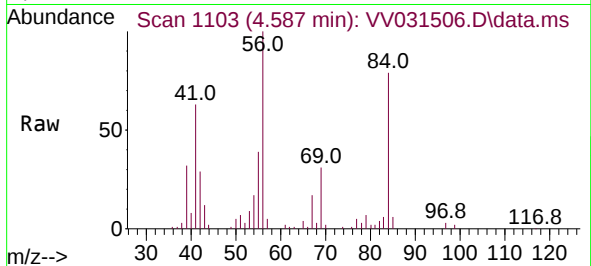




#29
Cyclohexane
Concen: 47.244 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

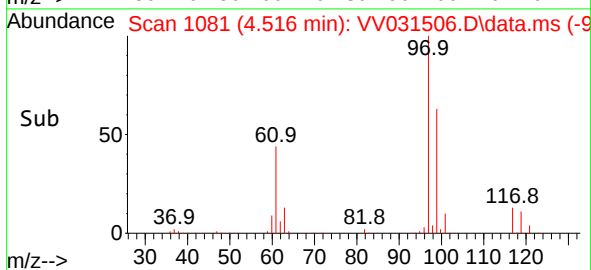
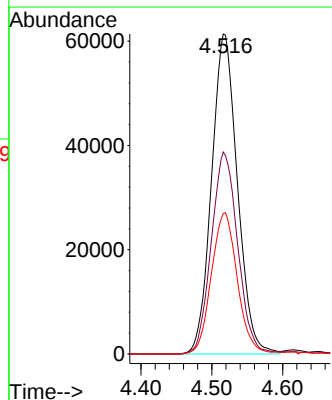
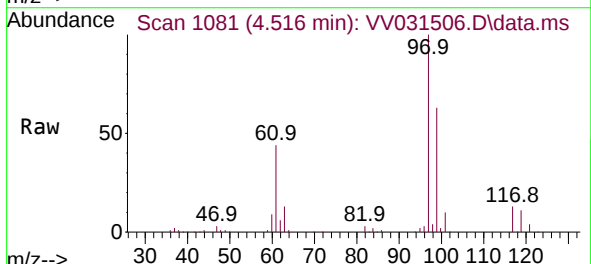
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

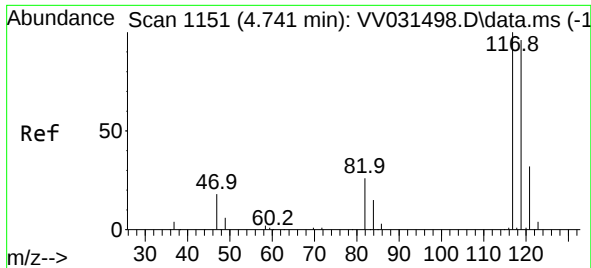
Tgt Ion: 56 Resp: 60523
Ion Ratio Lower Upper
56 100
69 29.0 23.5 35.3
84 76.7 61.3 91.9



#30
1,1,1-Trichloroethane
Concen: 55.206 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 97 Resp: 155868
Ion Ratio Lower Upper
97 100
99 64.3 51.9 77.9
61 44.1 36.1 54.1

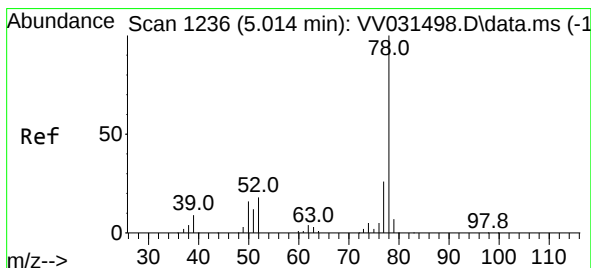
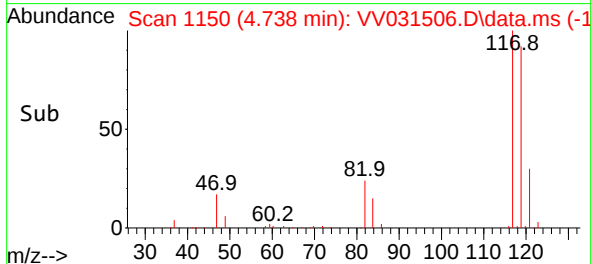
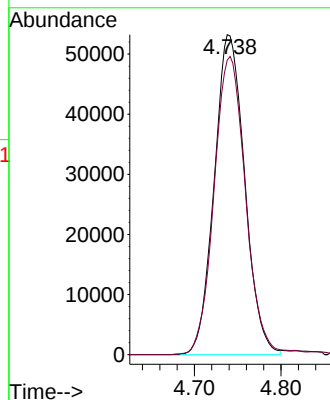
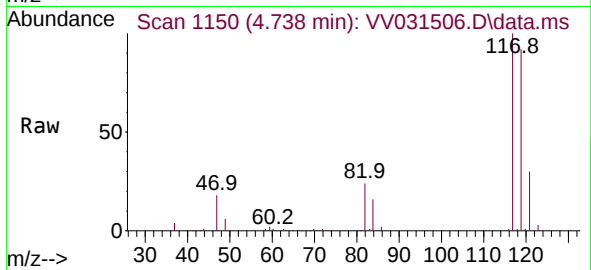




#31
Carbon tetrachloride
Concen: 55.420 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

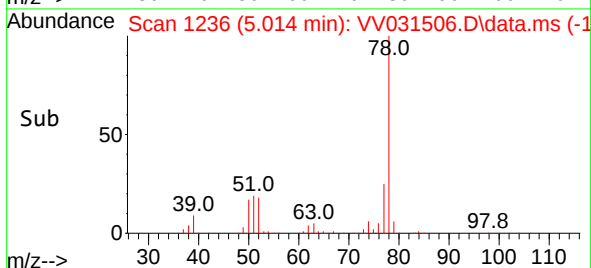
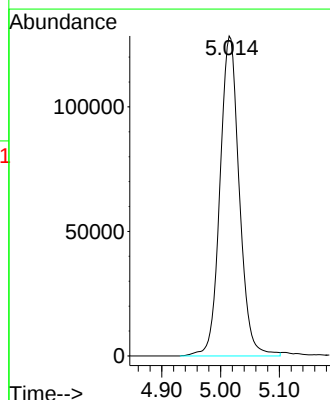
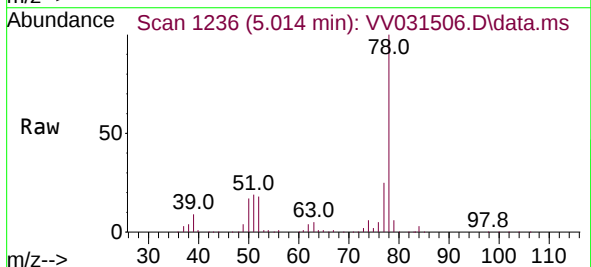
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

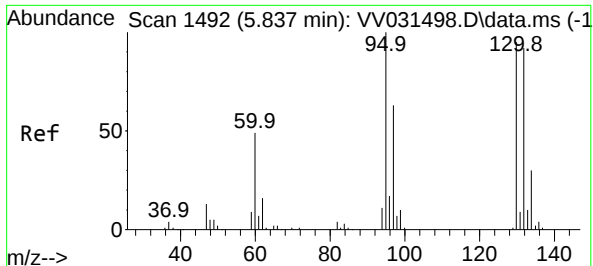
Tgt Ion:117 Resp: 129984
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.6



#33
Benzene
Concen: 55.522 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 78 Resp: 293033

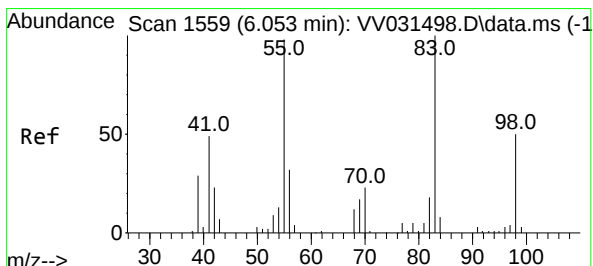
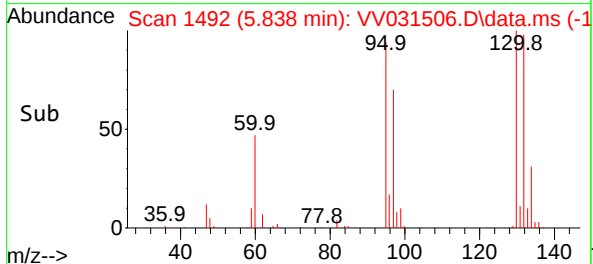
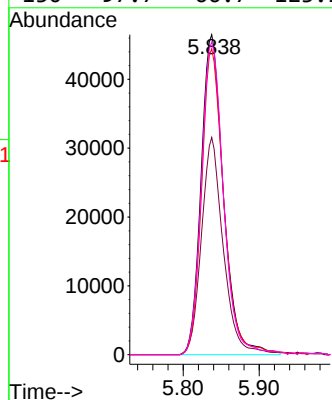
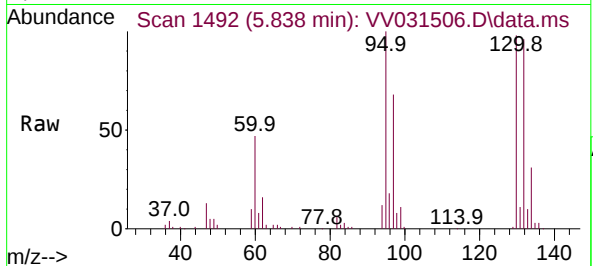




#34
Trichloroethene
Concen: 57.254 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

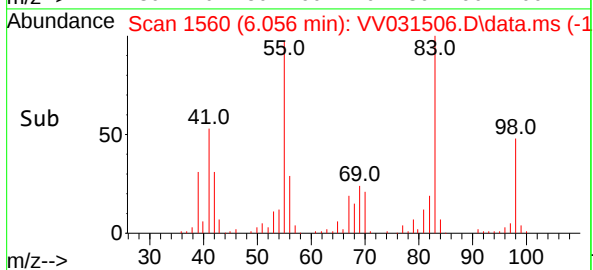
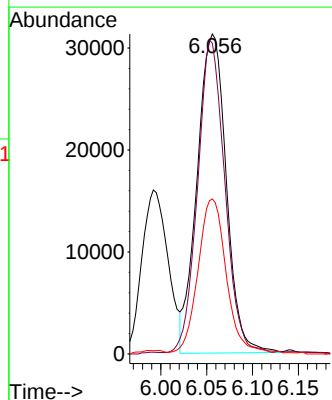
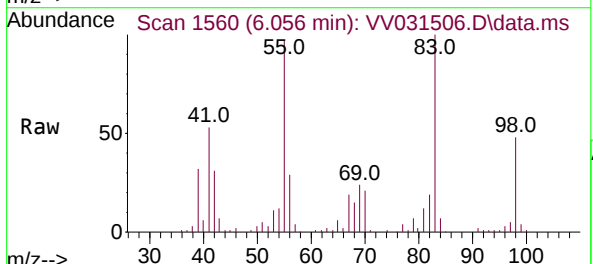
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

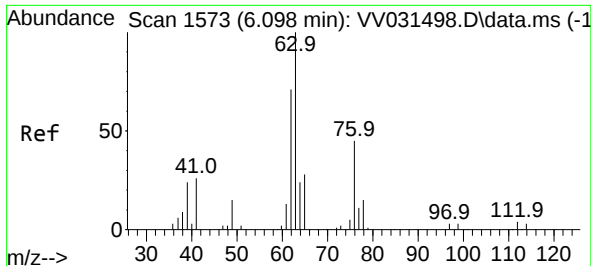
Tgt Ion: 95 Resp: 95200
Ion Ratio Lower Upper
95 100
97 67.9 44.2 82.0
132 95.6 64.2 119.2
130 97.7 66.7 123.9



#35
Methylcyclohexane
Concen: 48.671 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 83 Resp: 69215
Ion Ratio Lower Upper
83 100
55 91.9 73.9 110.9
98 47.3 37.0 55.4





#37

1,2-Dichloropropane

Concen: 57.242 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

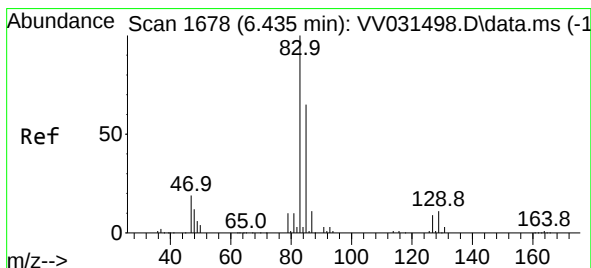
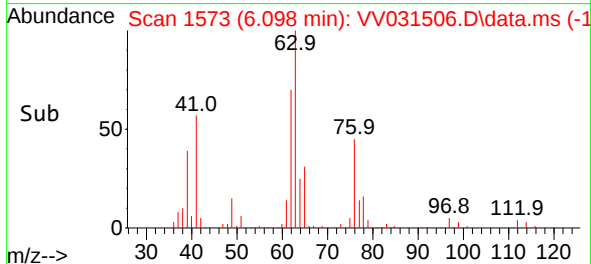
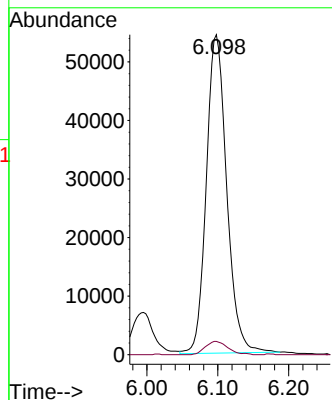
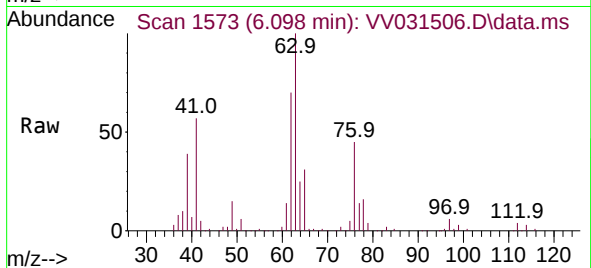
VSTD050369

Tgt Ion: 63 Resp: 108741

Ion Ratio Lower Upper

63 100

112 4.5 3.3 4.9



#38

Bromodichloromethane

Concen: 55.912 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

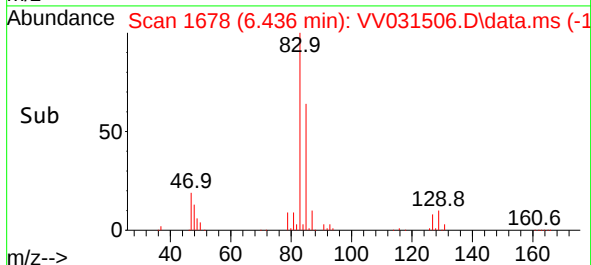
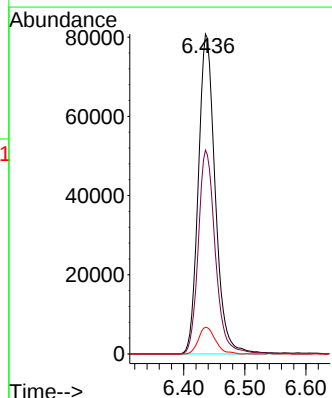
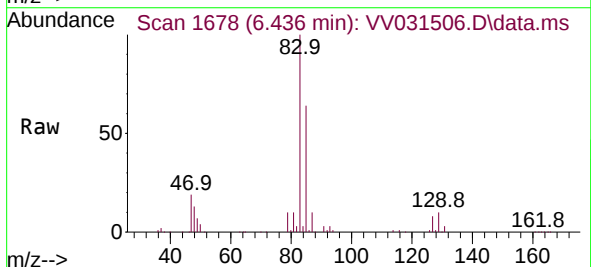
Tgt Ion: 83 Resp: 155458

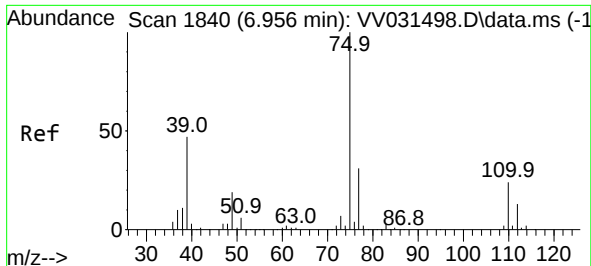
Ion Ratio Lower Upper

83 100

85 63.7 43.2 80.2

127 8.3 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 51.125 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

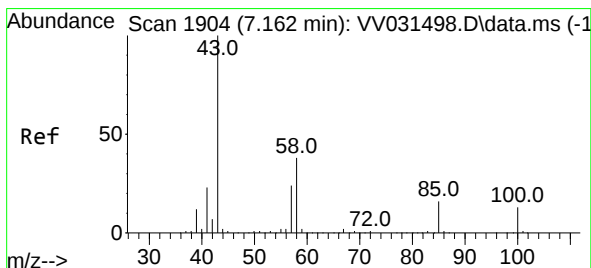
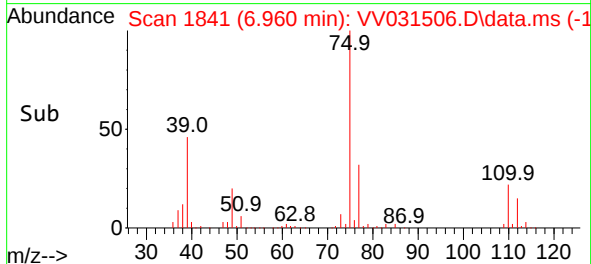
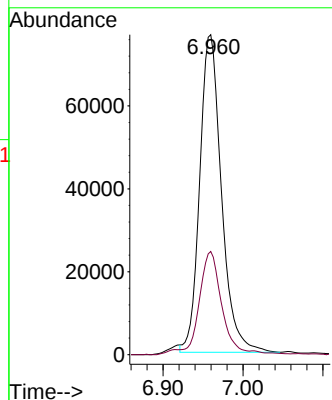
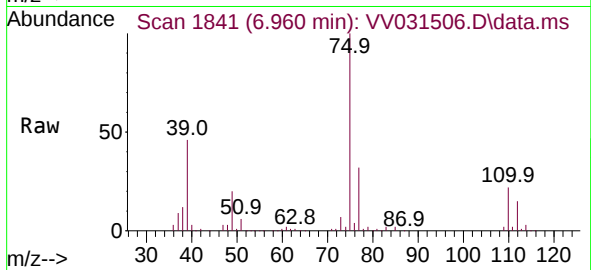
VSTD050369

Tgt Ion: 75 Resp: 145100

Ion Ratio Lower Upper

75 100

77 32.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 113.541 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

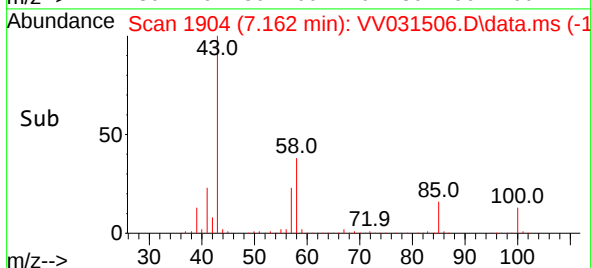
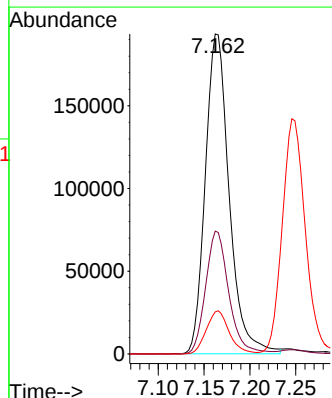
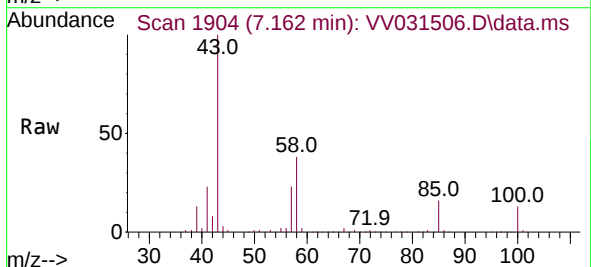
Tgt Ion: 43 Resp: 350381

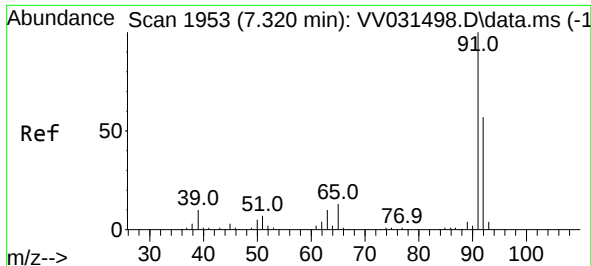
Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9

100 13.0 10.3 15.5





#42

Toluene

Concen: 58.323 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

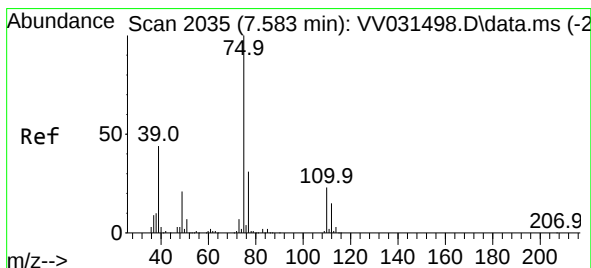
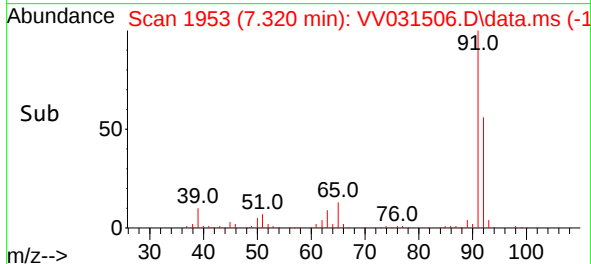
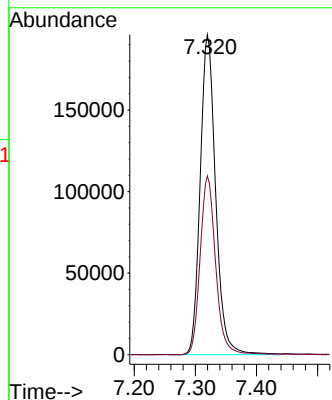
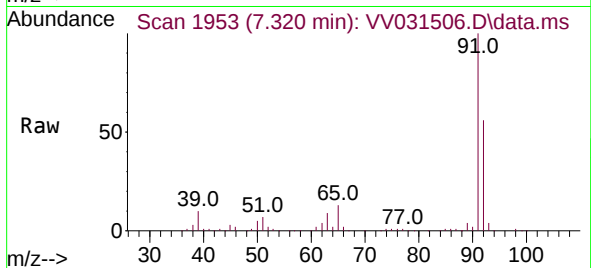
VSTD050369

Tgt Ion: 91 Resp: 344539

Ion Ratio Lower Upper

91 100

92 55.9 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 56.356 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031506.D

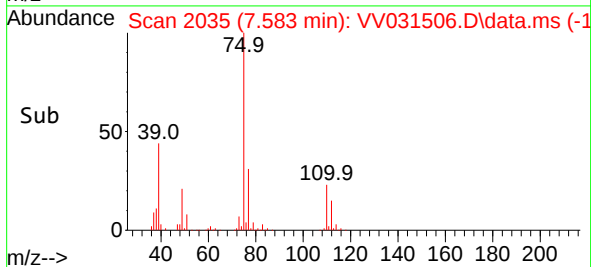
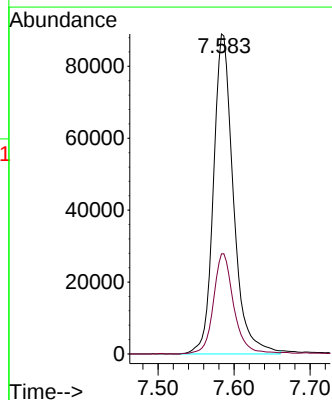
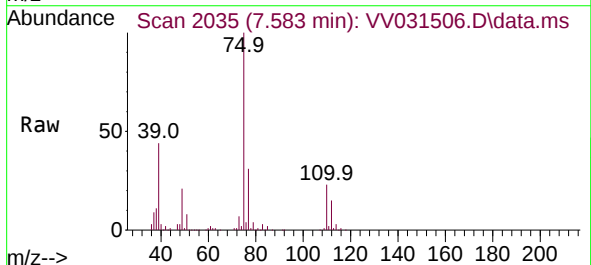
Acq: 13 Jun 2023 09:52

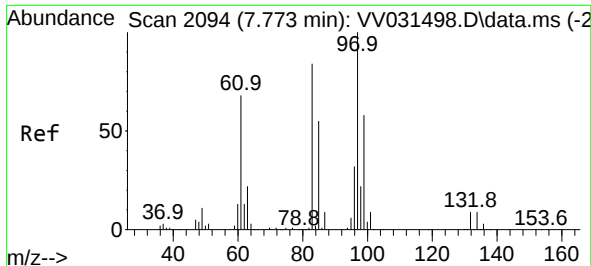
Tgt Ion: 75 Resp: 162232

Ion Ratio Lower Upper

75 100

77 31.3 22.2 41.2

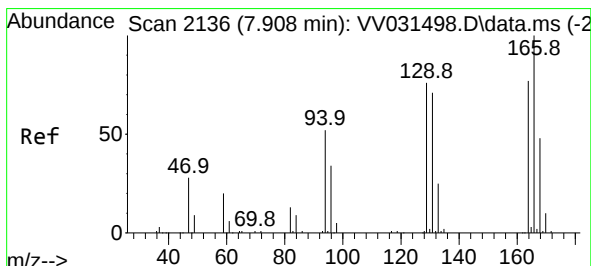
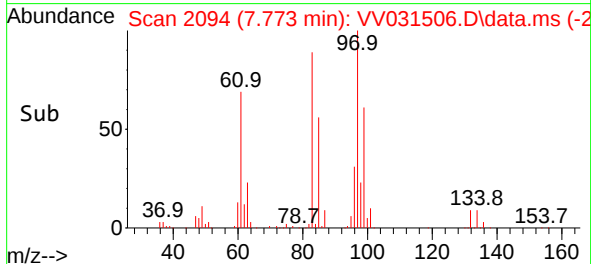
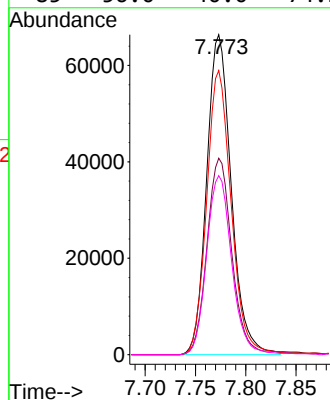
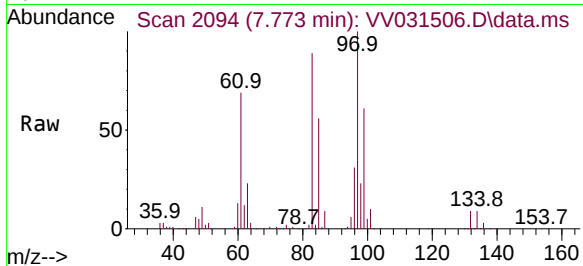




#45
1,1,2-Trichloroethane
Concen: 57.528 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

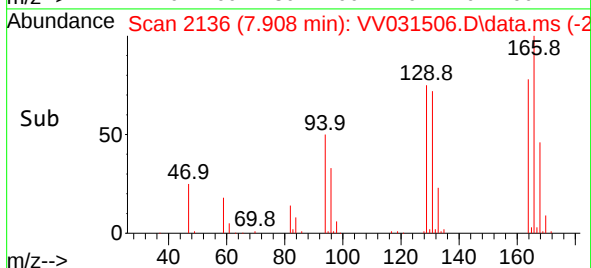
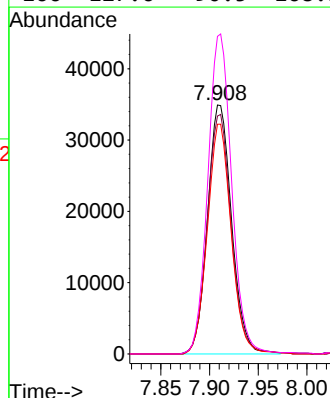
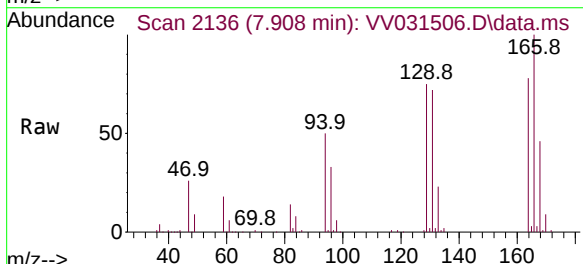
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

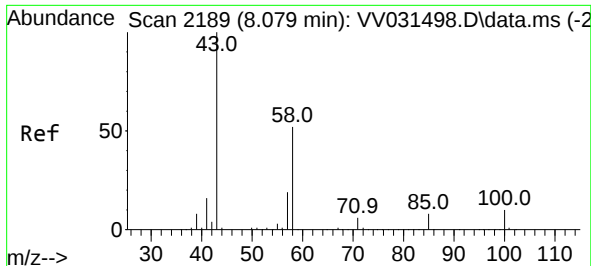
Tgt Ion:	97	Resp:	112961
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.8	81.4
83	88.8	61.9	115.1
85	56.0	40.0	74.2



#46
Tetrachloroethene
Concen: 55.822 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion:	164	Resp:	60258
Ion	Ratio	Lower	Upper
164	100		
129	95.6	68.0	126.4
131	92.3	65.5	121.7
166	127.6	90.5	168.1



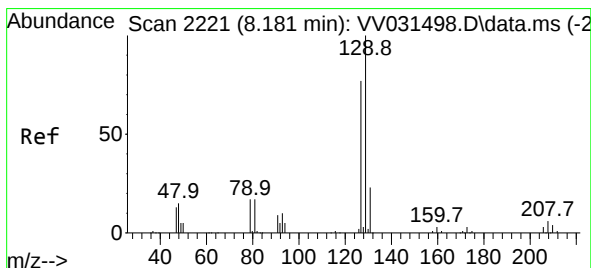
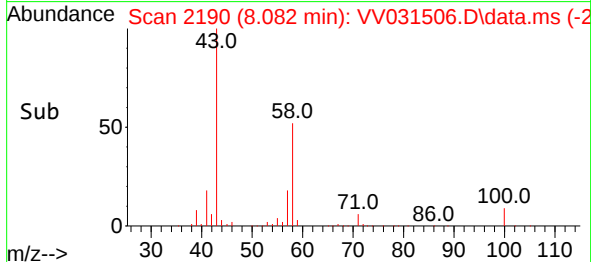
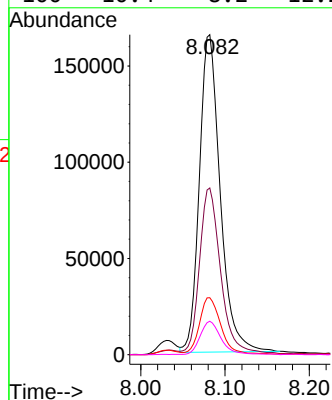
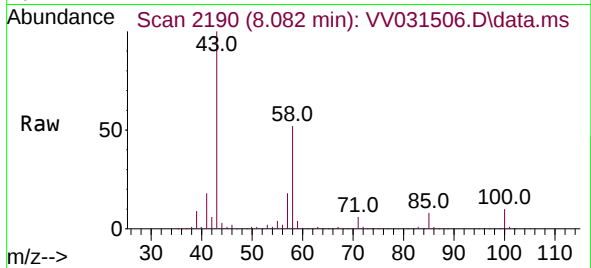


#48
2-Hexanone
Concen: 117.706 ug/L
RT: 8.082 min Scan# 2189
Delta R.T. 0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

Tgt Ion: 43 Resp: 284321

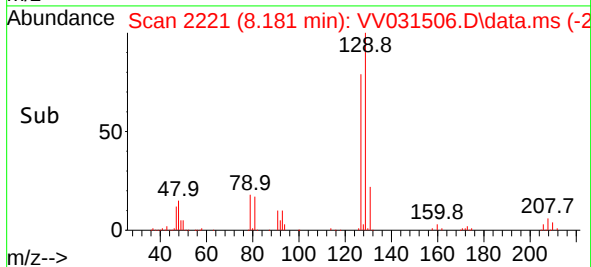
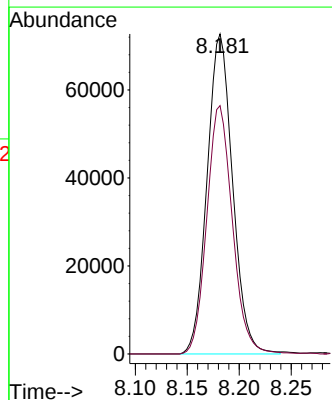
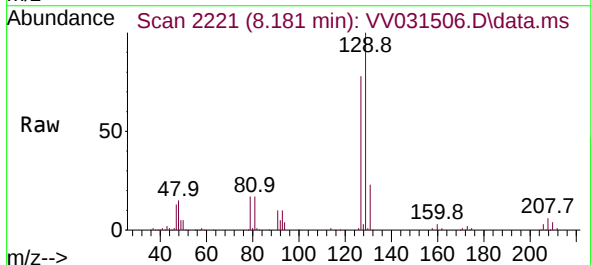
Ion	Ratio	Lower	Upper
43	100		
58	52.9	42.9	64.3
57	17.5	14.6	22.0
100	10.4	8.2	12.2

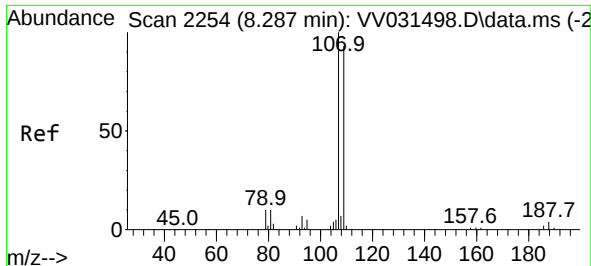


#49
Dibromochloromethane
Concen: 58.060 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 129 Resp: 124362

Ion	Ratio	Lower	Upper
129	100		
127	77.6	55.5	103.1





#50

1,2-Dibromoethane

Concen: 56.316 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050369

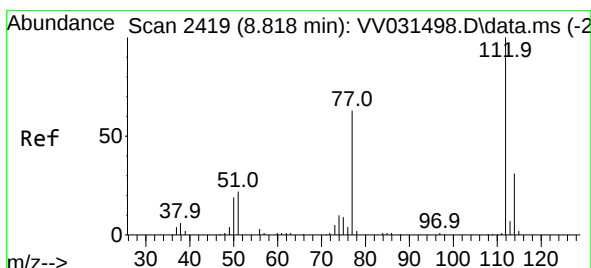
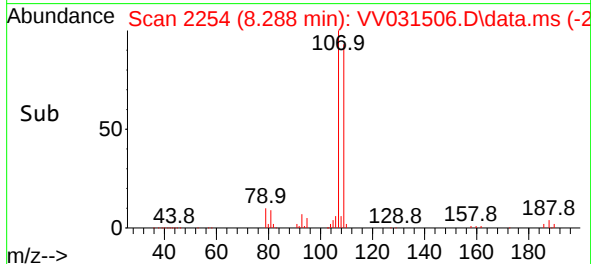
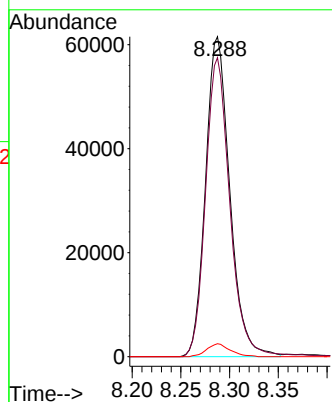
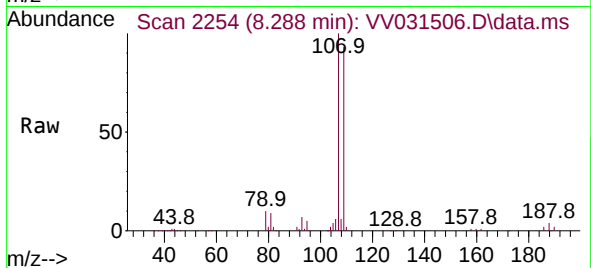
Tgt Ion:107 Resp: 106458

Ion Ratio Lower Upper

107 100

109 93.4 64.1 119.1

188 4.2 3.3 4.9



#51

Chlorobenzene

Concen: 55.769 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

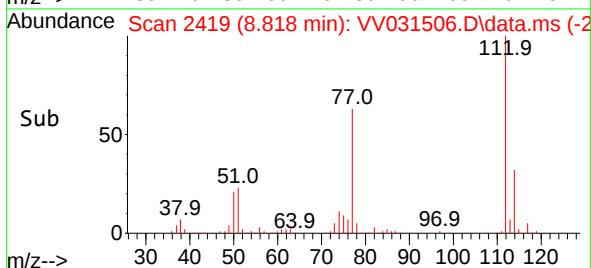
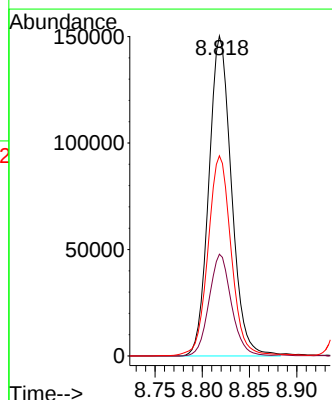
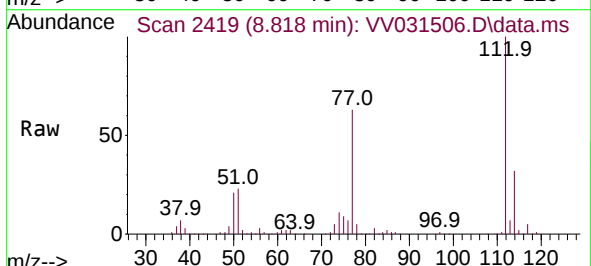
Tgt Ion:112 Resp: 250503

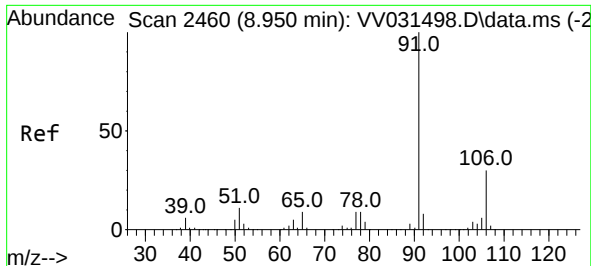
Ion Ratio Lower Upper

112 100

114 31.8 22.4 41.6

77 62.6 52.4 78.6

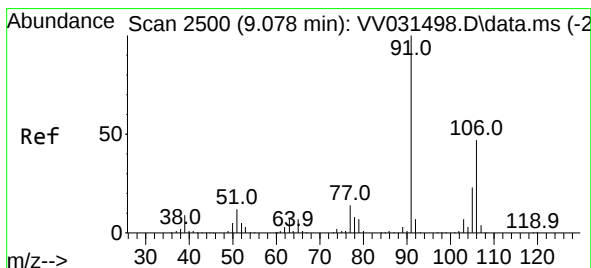
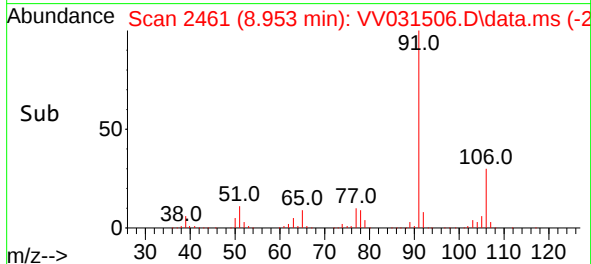
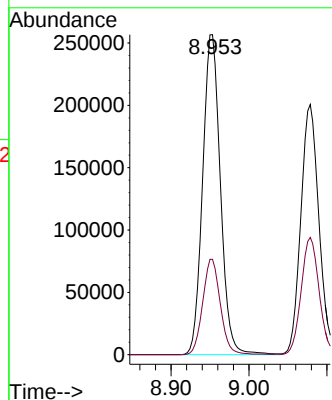
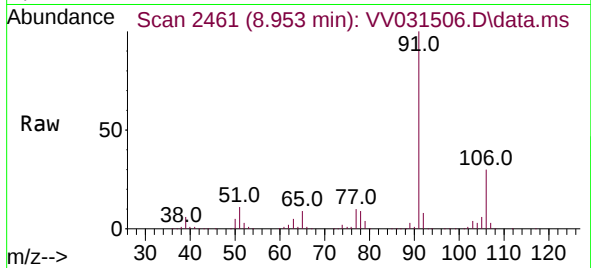




#52
Ethylbenzene
Concen: 55.397 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

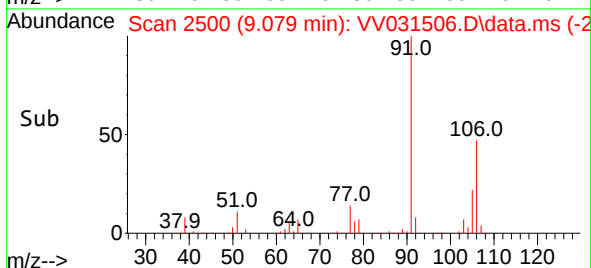
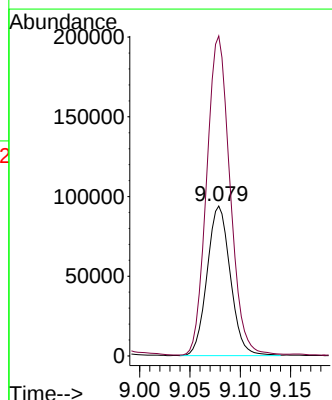
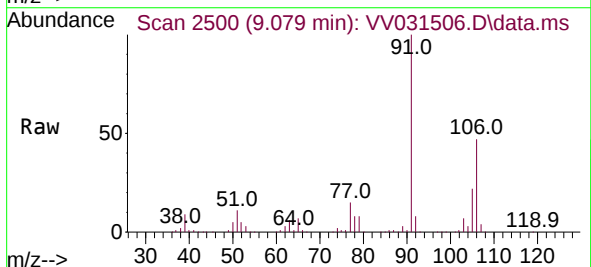
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

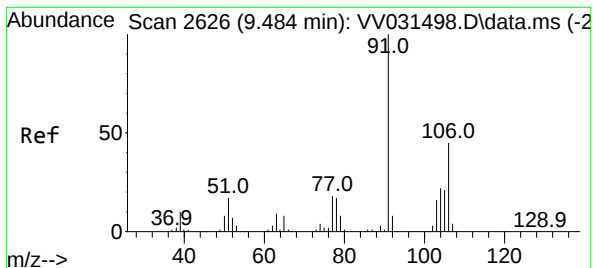
Tgt Ion: 91 Resp: 407280
Ion Ratio Lower Upper
91 100
106 29.8 20.4 38.0



#53
m,p-Xylene
Concen: 56.832 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 106 Resp: 150571
Ion Ratio Lower Upper
106 100
91 213.4 149.4 277.5





#54

o-Xylene

Concen: 56.757 ug/L

RT: 9.484 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

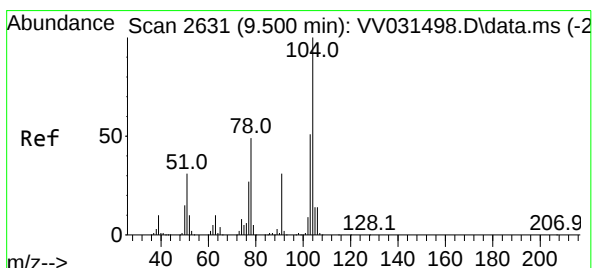
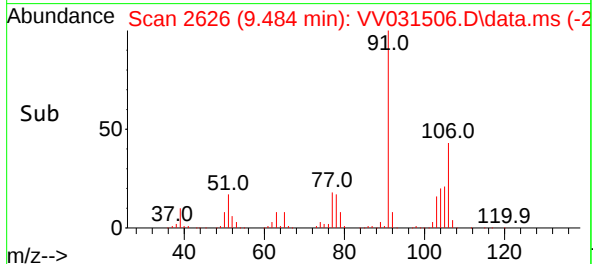
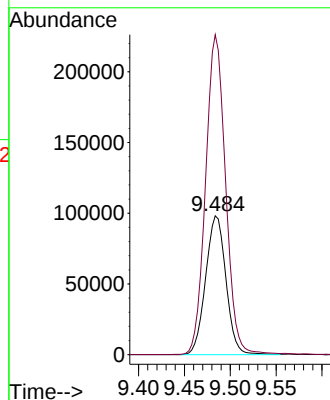
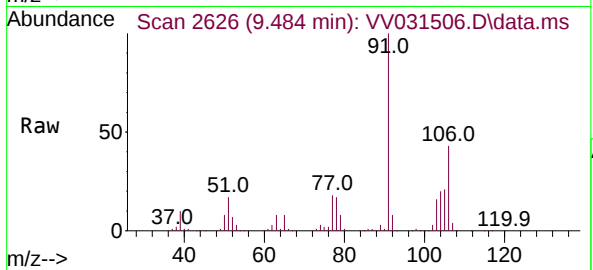
VSTD050369

Tgt Ion:106 Resp: 151694

Ion Ratio Lower Upper

106 100

91 230.5 163.8 304.2



#55

Styrene

Concen: 61.801 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.000 min

Lab File: VV031506.D

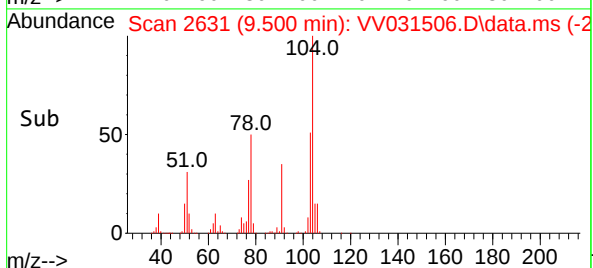
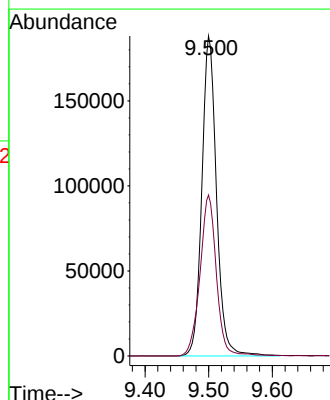
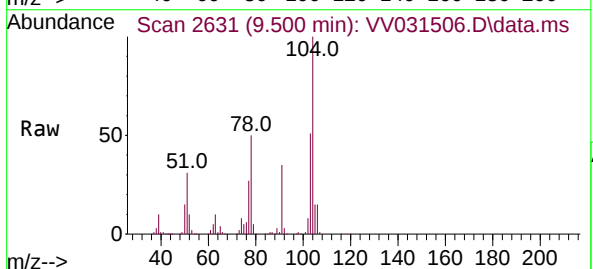
Acq: 13 Jun 2023 09:52

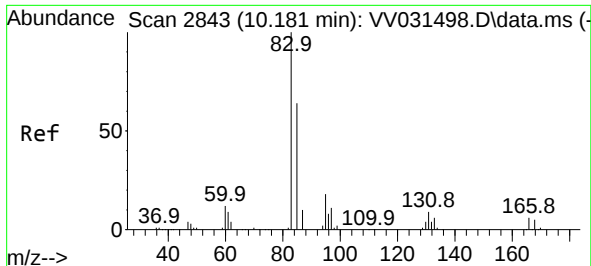
Tgt Ion:104 Resp: 301137

Ion Ratio Lower Upper

104 100

78 50.3 35.9 66.7

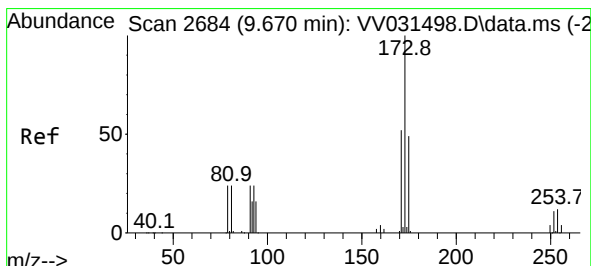
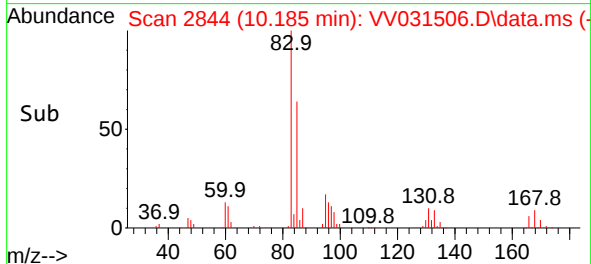
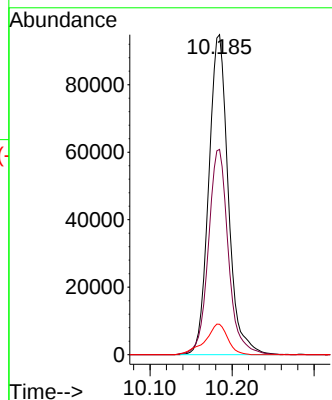
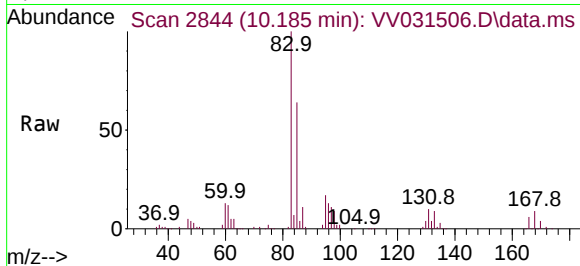




#57
 1,1,2,2-Tetrachloroethane
 Concen: 52.044 ug/L
 RT: 10.185 min Scan# 2843
 Delta R.T. 0.003 min
 Lab File: VV031506.D
 Acq: 13 Jun 2023 09:52

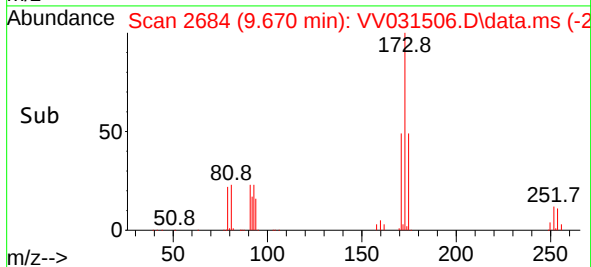
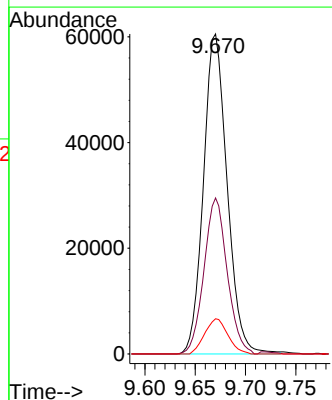
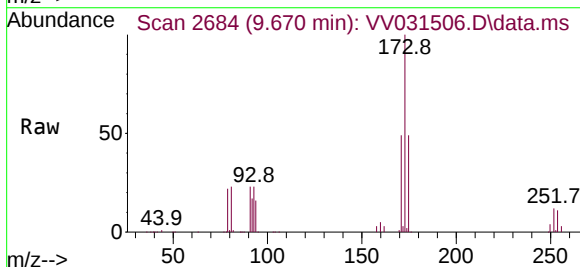
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050369

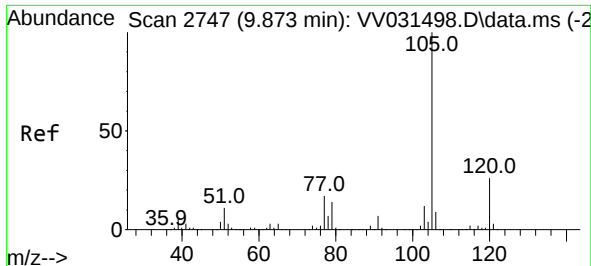
Tgt Ion: 83 Resp: 156651
 Ion Ratio Lower Upper
 83 100
 85 64.1 43.7 81.1
 131 9.5 7.3 10.9



#59
 Bromoform
 Concen: 52.360 ug/L
 RT: 9.670 min Scan# 2684
 Delta R.T. 0.000 min
 Lab File: VV031506.D
 Acq: 13 Jun 2023 09:52

Tgt Ion: 173 Resp: 99250
 Ion Ratio Lower Upper
 173 100
 175 47.6 38.8 58.2
 254 10.7 8.7 13.1

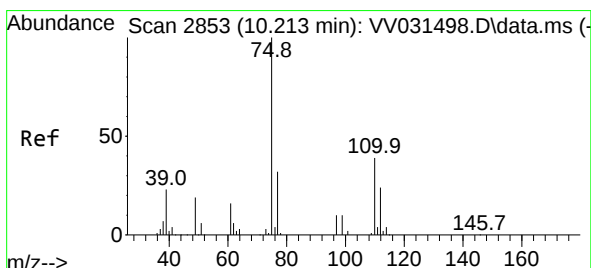
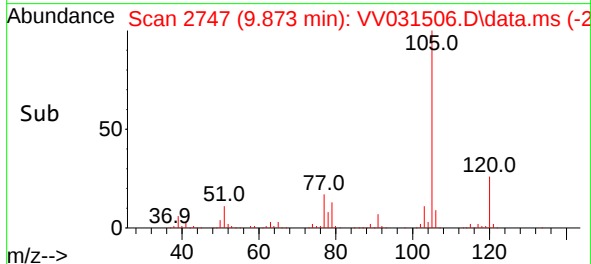
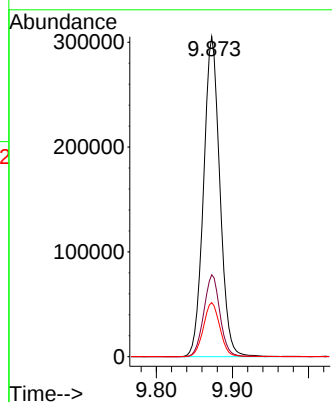
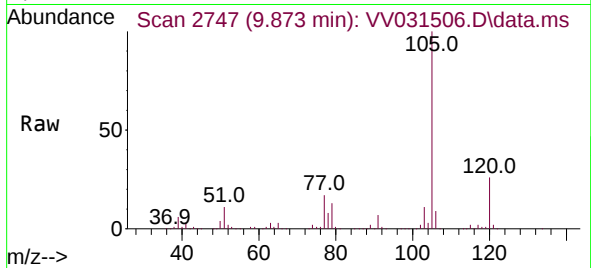




#60
Isopropylbenzene
Concen: 53.694 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

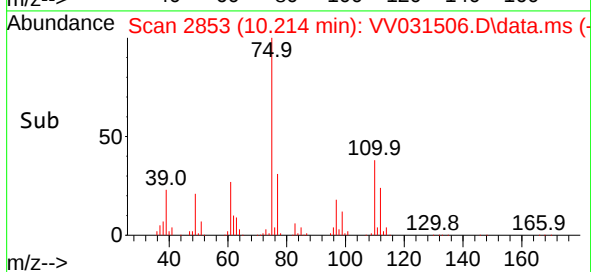
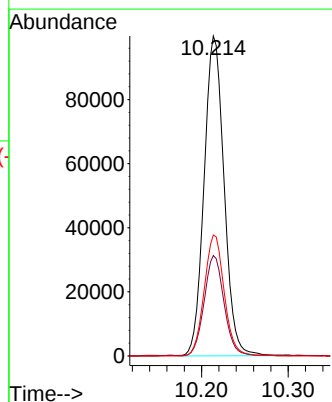
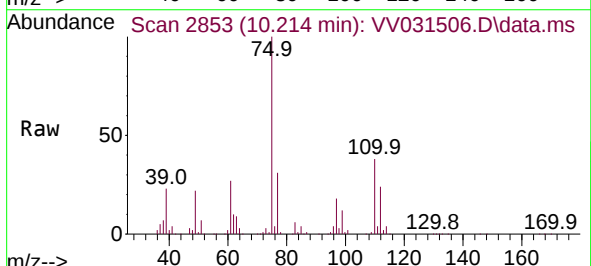
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

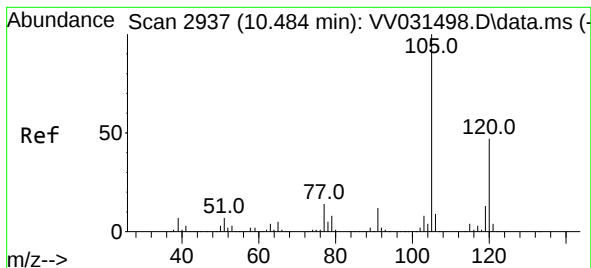
Tgt Ion:105 Resp: 453898
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8
77 17.1 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 53.381 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion: 75 Resp: 159861
Ion Ratio Lower Upper
75 100
77 30.6 25.6 38.4
110 37.9 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 53.408 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

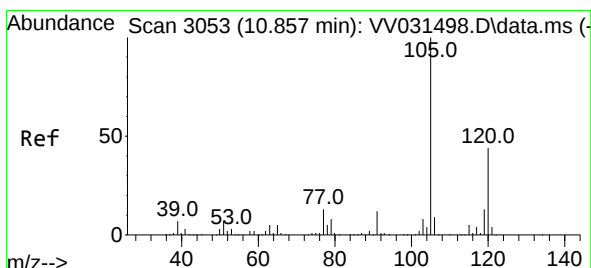
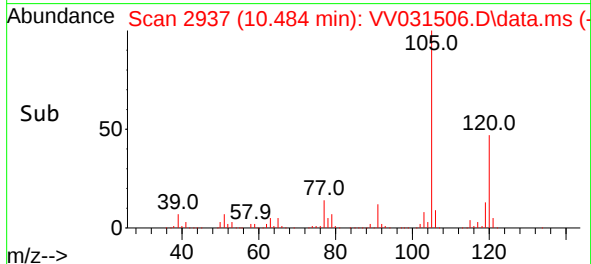
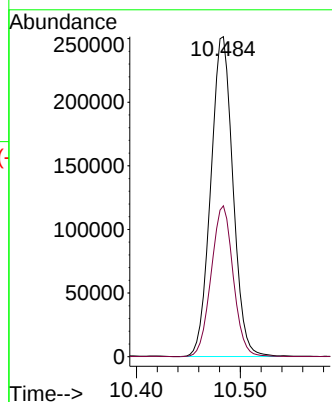
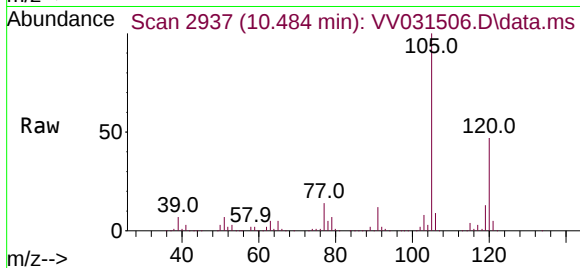
VSTD050369

Tgt Ion:105 Resp: 372861

Ion Ratio Lower Upper

105 100

120 47.0 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 53.884 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031506.D

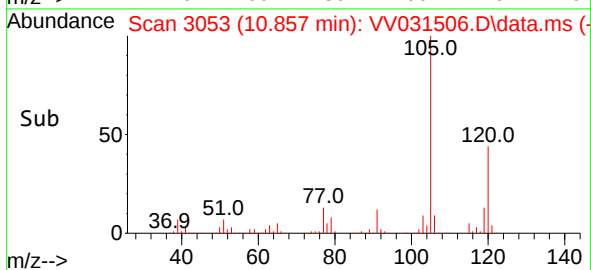
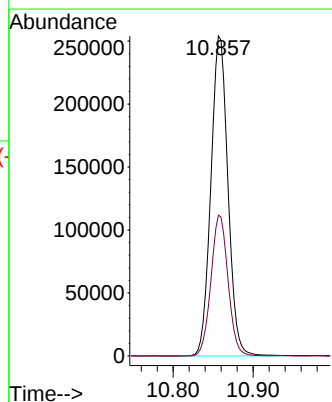
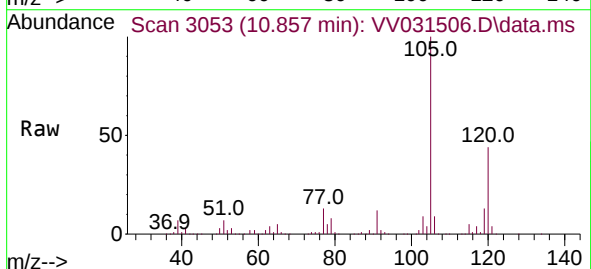
Acq: 13 Jun 2023 09:52

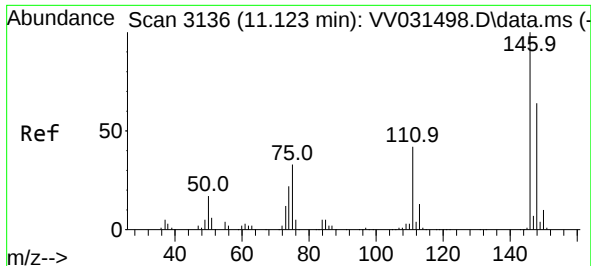
Tgt Ion:105 Resp: 376544

Ion Ratio Lower Upper

105 100

120 44.1 35.0 52.4

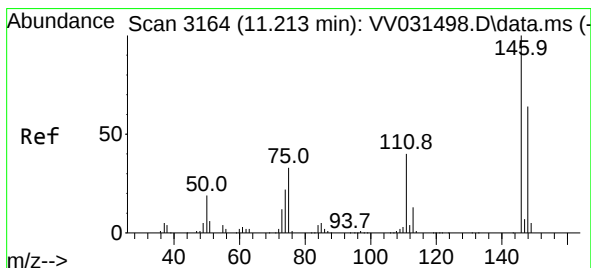
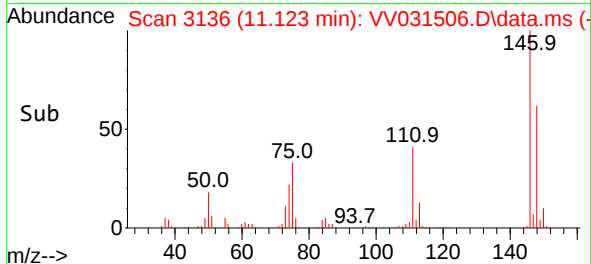
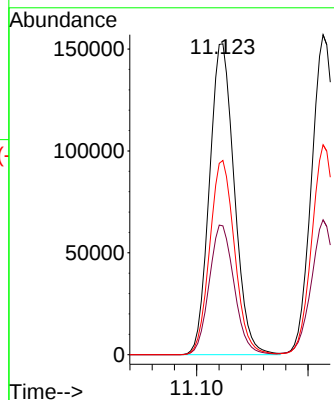
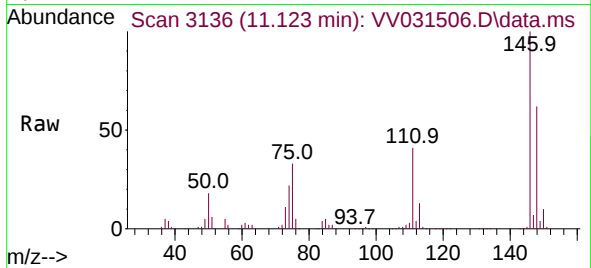




#64
1,3-Dichlorobenzene
Concen: 54.762 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

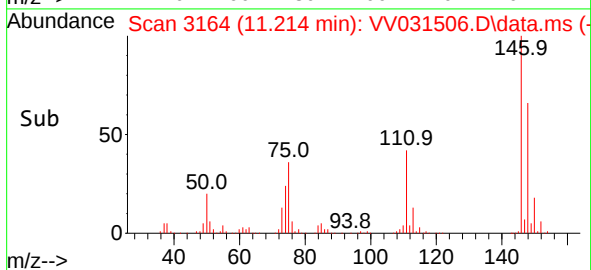
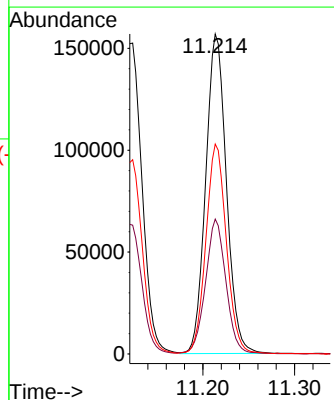
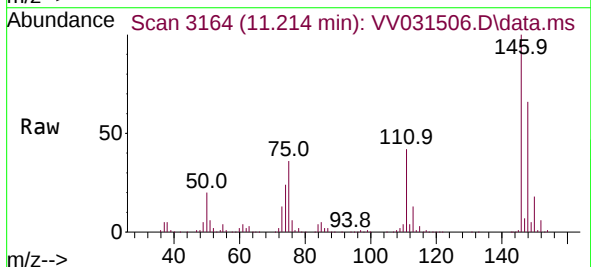
Instrument :
MSVOA_V
ClientSampleId :
VSTD050369

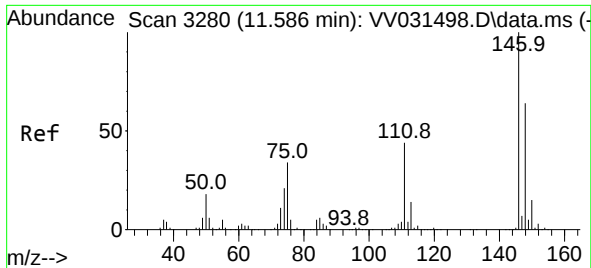
Tgt Ion:146 Resp: 236948
Ion Ratio Lower Upper
146 100
111 41.4 29.3 54.5
148 62.5 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 53.817 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031506.D
Acq: 13 Jun 2023 09:52

Tgt Ion:146 Resp: 246303
Ion Ratio Lower Upper
146 100
111 42.1 28.1 52.3
148 65.6 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 54.846 ug/L

RT: 11.586 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050369

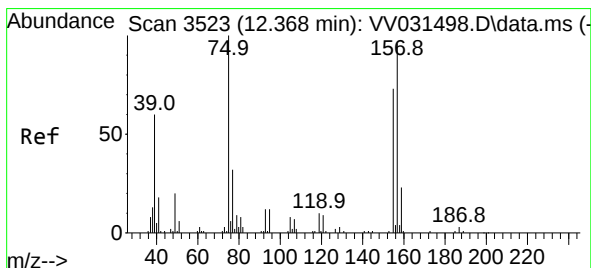
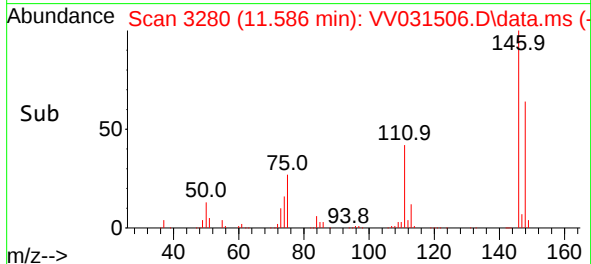
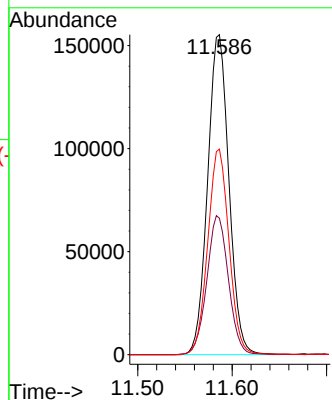
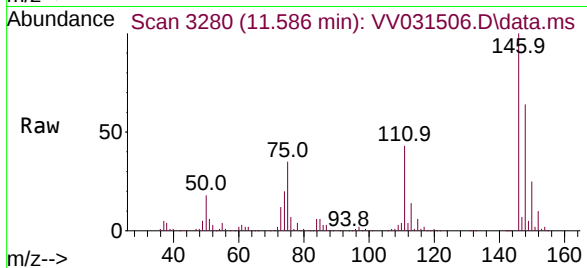
Tgt Ion:146 Resp: 243276

Ion Ratio Lower Upper

146 100

111 42.7 34.5 51.7

148 64.2 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 52.236 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.003 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

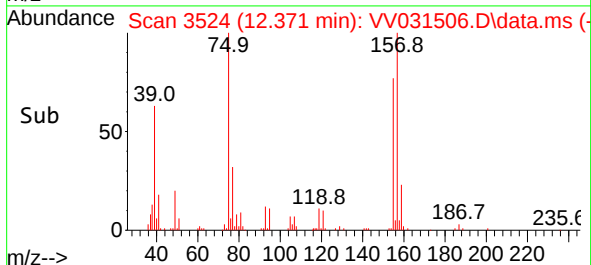
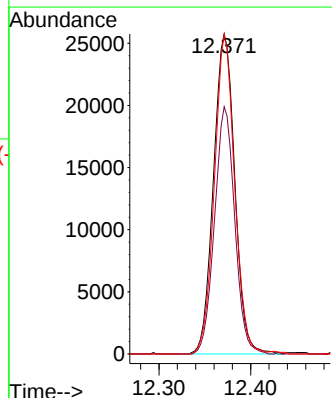
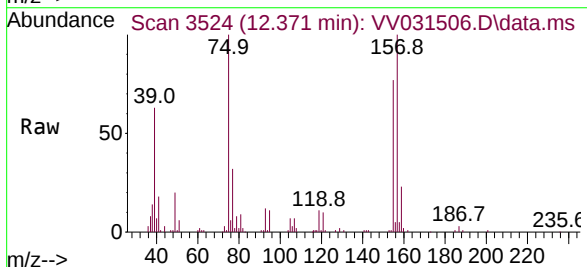
Tgt Ion: 75 Resp: 41464

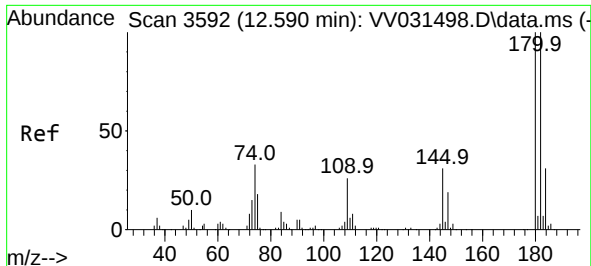
Ion Ratio Lower Upper

75 100

155 77.2 62.1 93.1

157 99.8 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 52.742 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.000 min

Lab File: VV031506.D

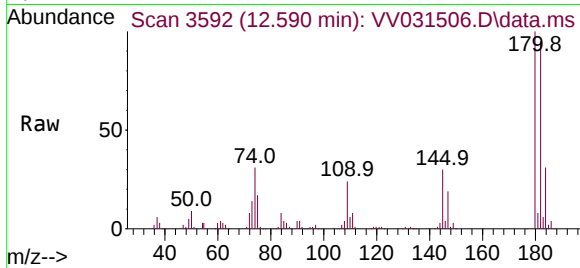
Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050369



Tgt Ion:180 Resp: 175696

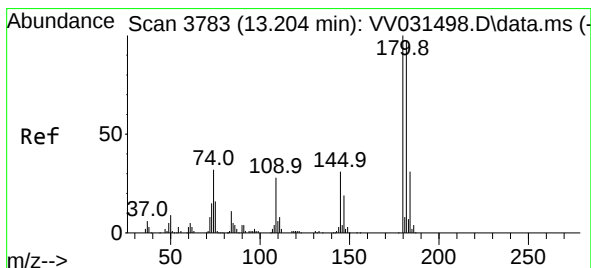
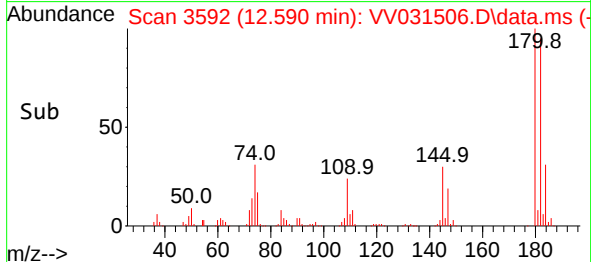
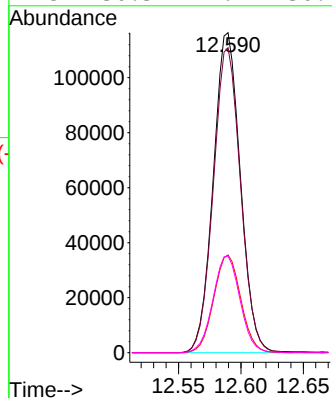
Ion Ratio Lower Upper

180 100

182 95.8 75.7 113.5

184 30.5 23.9 35.9

145 30.3 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 52.168 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

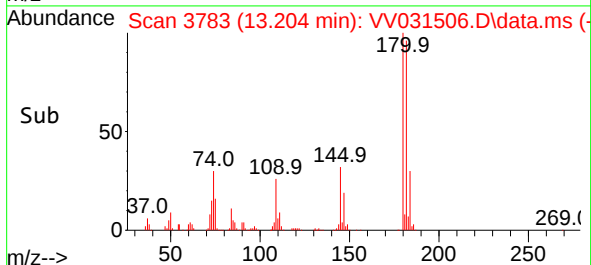
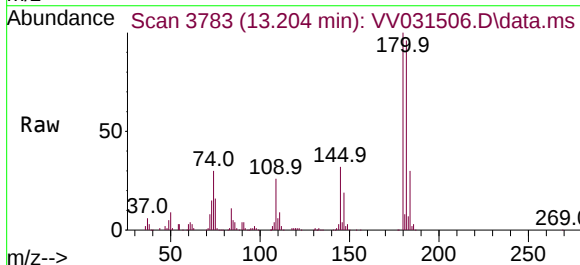
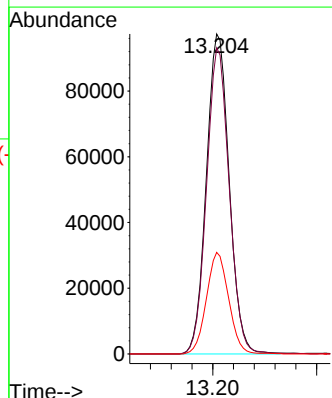
Tgt Ion:180 Resp: 148257

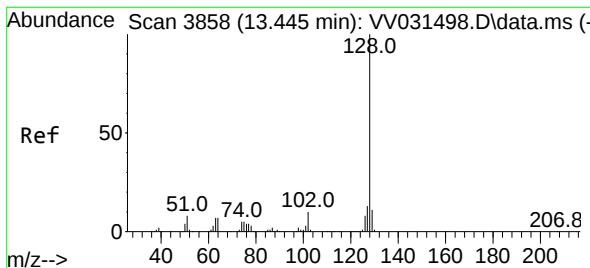
Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 30.8 24.2 36.2





#71

Naphthalene

Concen: 45.162 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD050369

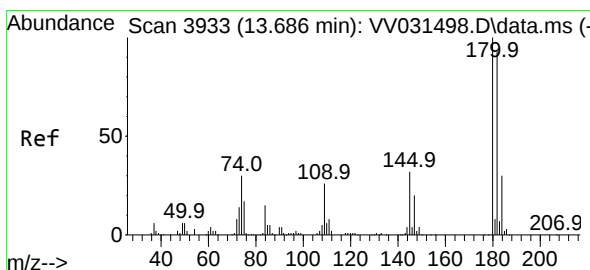
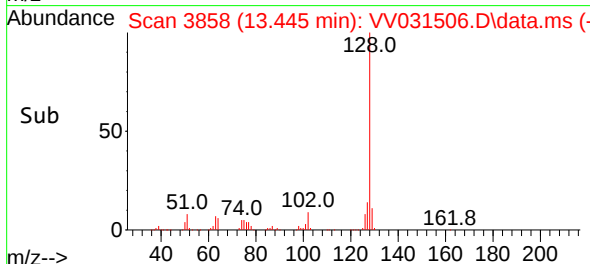
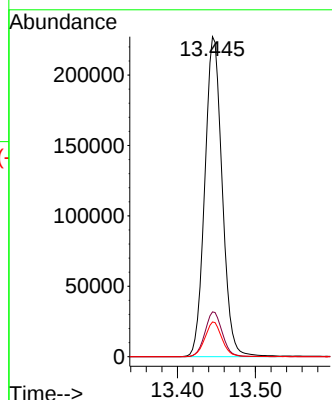
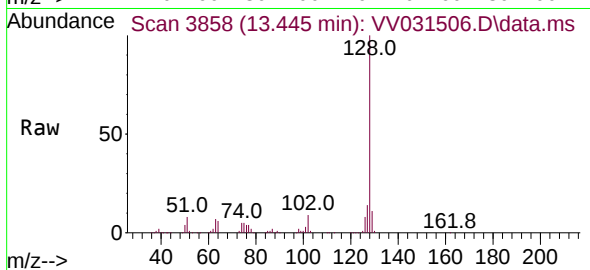
Tgt Ion:128 Resp: 351784

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

129 10.7 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 53.230 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031506.D

Acq: 13 Jun 2023 09:52

Tgt Ion:180 Resp: 151632

Ion Ratio Lower Upper

180 100

182 95.7 77.4 116.2

145 32.5 25.6 38.4

