

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060923\
 Data File : VW031496.D
 Acq On : 09 Jun 2023 15:58
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050366

Quant Time: Jun 10 01:42:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 10 01:38:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	229887	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	239127	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	142589	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	66893	33.072	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.140%
7) Chloroethane-d5	1.532	69	72224	44.105	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.220%
11) 1,1-Dichloroethene-d2	2.060	65	37454	39.071	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.140%
21) 2-Butanone-d5	3.796	46	159064	108.818	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.820%
24) Chloroform-d	4.252	84	196530	51.081	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.160%
26) 1,2-Dichloroethane-d4	4.947	65	134935	52.280	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.560%
32) Benzene-d6	4.966	84	332677	47.122	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.240%
36) 1,2-Dichloropropane-d6	5.992	67	120862	49.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.500%
41) Toluene-d8	7.246	98	312033	48.113	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.220%
43) trans-1,3-Dichloroprop...	7.558	79	56055	45.347	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.700%
47) 2-Hexanone-d5	8.030	63	96664	104.585	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.580%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	155724	50.283	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.560%
66) 1,2-Dichlorobenzene-d4	11.567	152	129447	48.939	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	44199	47.944	ug/L	96
3) Chloromethane	1.217	50	35372	47.281	ug/L	99
5) Vinyl chloride	1.282	62	42447	47.556	ug/L	99
6) Bromomethane	1.487	94	26216	48.868	ug/L	95
8) Chloroethane	1.548	64	36514	50.774	ug/L	98
9) Trichlorofluoromethane	1.716	101	108642	50.427	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	71173	51.084	ug/L	97
12) 1,1-Dichloroethene	2.072	96	43863	47.828	ug/L	85
13) Acetone	2.121	43	109060	83.401	ug/L	100
14) Carbon disulfide	2.243	76	32729	41.721	ug/L	98
15) Methyl Acetate	2.375	43	108196	54.793	ug/L	100
16) Methylene chloride	2.449	84	71919	51.951	ug/L	94
17) trans-1,2-Dichloroethene	2.696	96	45013	51.768	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	280157	52.418	ug/L	99
19) 1,1-Dichloroethane	3.114	63	158844	52.812	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	73594	52.059	ug/L	98
22) 2-Butanone	3.876	43	153982	95.809	ug/L	95
23) Bromochloromethane	4.153	128	40770	54.843	ug/L	97
25) Chloroform	4.281	83	182984	54.557	ug/L	98

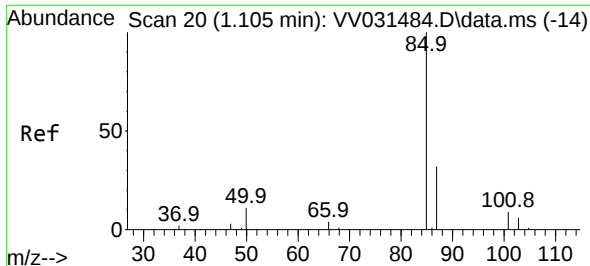
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	138042	56.365	ug/L	98
29) Cyclohexane	4.590	56	56076	43.785	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	142758	50.576	ug/L	98
31) Carbon tetrachloride	4.741	117	114623	48.884	ug/L	99
33) Benzene	5.014	78	273458	51.827	ug/L	100
34) Trichloroethene	5.838	95	89638	53.923	ug/L	98
35) Methylcyclohexane	6.056	83	64082	45.073	ug/L	100
37) 1,2-Dichloropropane	6.098	63	98694	51.967	ug/L	100
38) Bromodichloromethane	6.436	83	143198	51.517	ug/L	96
39) cis-1,3-Dichloropropene	6.960	75	144360	50.878	ug/L	95
40) 4-Methyl-2-pentanone	7.162	43	338509	109.724	ug/L	98
42) Toluene	7.320	91	312405	52.898	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	152918	53.135	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	107111	54.564	ug/L	99
46) Tetrachloroethene	7.908	164	54954	50.923	ug/L	97
48) 2-Hexanone	8.082	43	269215	111.483	ug/L	98
49) Dibromochloromethane	8.182	129	114615	53.524	ug/L	100
50) 1,2-Dibromoethane	8.288	107	100672	53.270	ug/L	99
51) Chlorobenzene	8.818	112	231153	51.475	ug/L	99
52) Ethylbenzene	8.953	91	375229	51.052	ug/L	99
53) m,p-Xylene	9.079	106	138065	52.126	ug/L	98
54) o-Xylene	9.484	106	140028	52.406	ug/L	97
55) Styrene	9.500	104	277258	56.916	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.181	83	144930	48.163	ug/L	99
59) Bromoform	9.670	173	91997	50.353	ug/L	100
60) Isopropylbenzene	9.873	105	405671	49.789	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	151241	52.396	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	340122	50.545	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	346003	51.370	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	210803	50.546	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	220280	49.936	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	217858	50.957	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	37193	48.612	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	154720	48.187	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	133157	48.611	ug/L	100
71) Naphthalene	13.445	128	317697	42.315	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	137815	50.194	ug/L	97

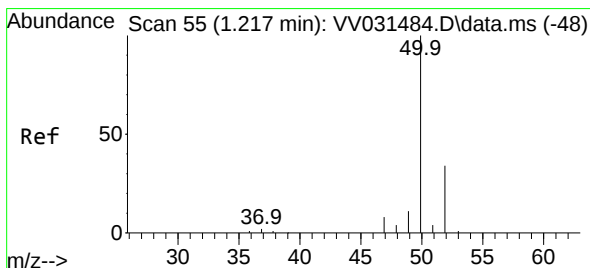
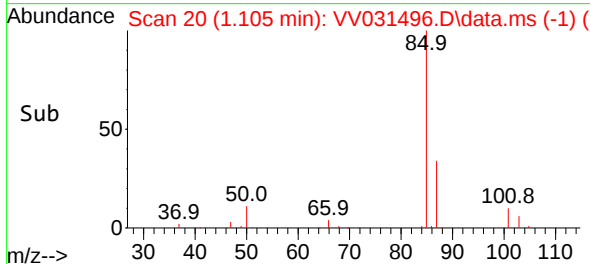
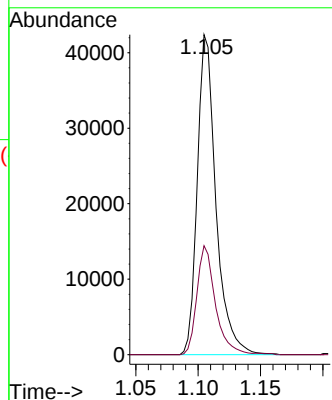
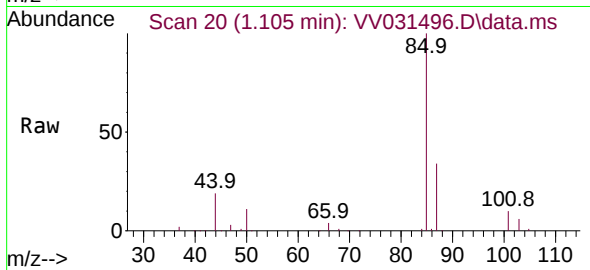
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#2
Dichlorodifluoromethane
Concen: 47.944 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

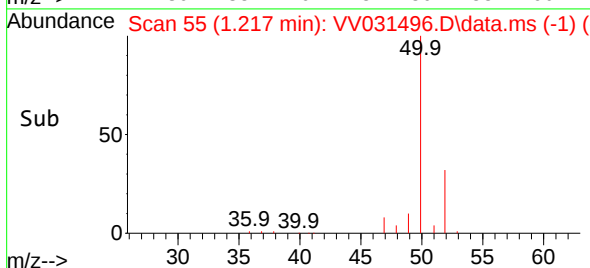
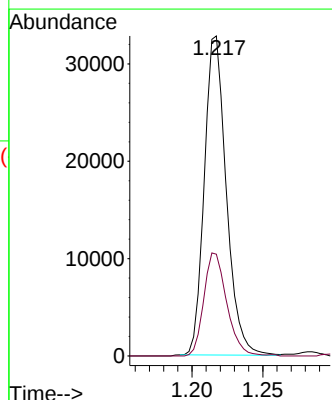
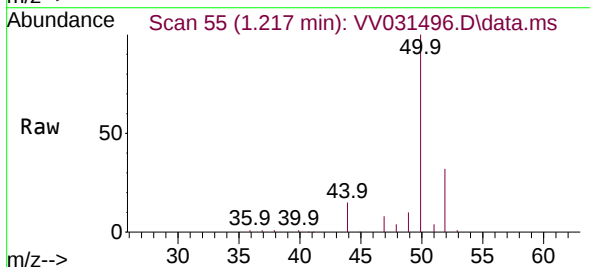
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

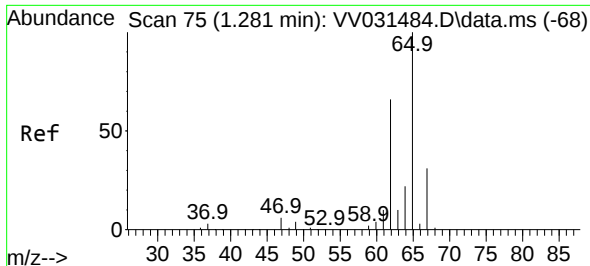
Tgt Ion: 85 Resp: 44199
Ion Ratio Lower Upper
85 100
87 33.7 25.0 37.6



#3
Chloromethane
Concen: 47.281 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 50 Resp: 35372
Ion Ratio Lower Upper
50 100
52 31.8 21.9 40.7

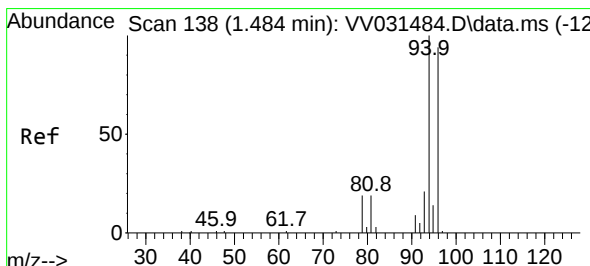
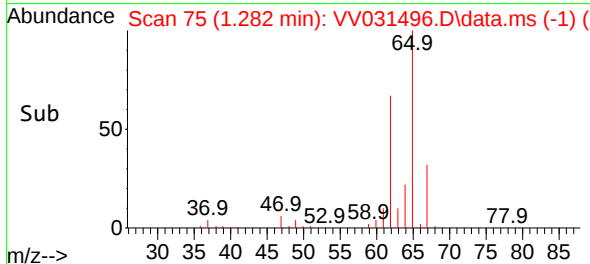
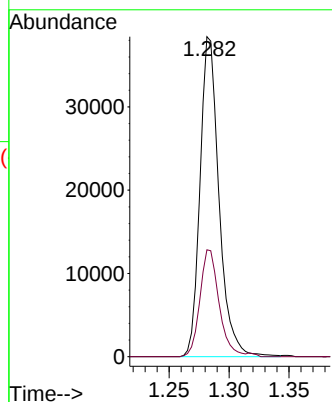
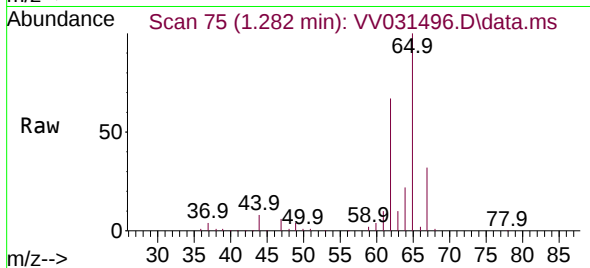




#5
 Vinyl chloride
 Concen: 47.556 ug/L
 RT: 1.282 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031496.D
 Acq: 09 Jun 2023 15:58

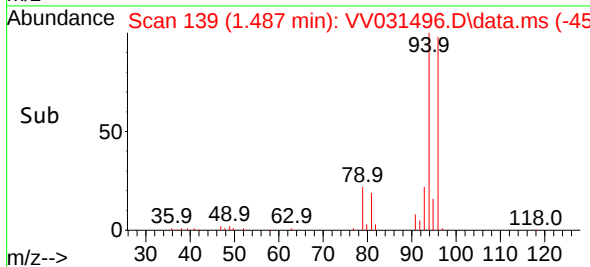
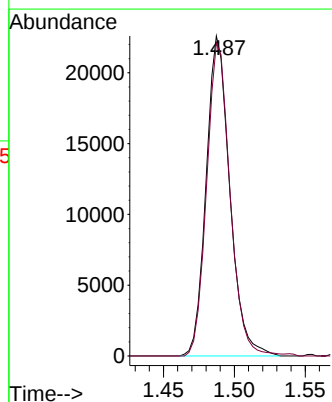
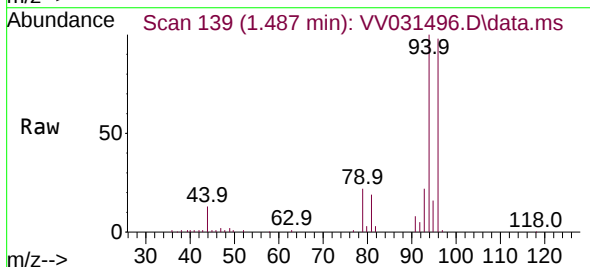
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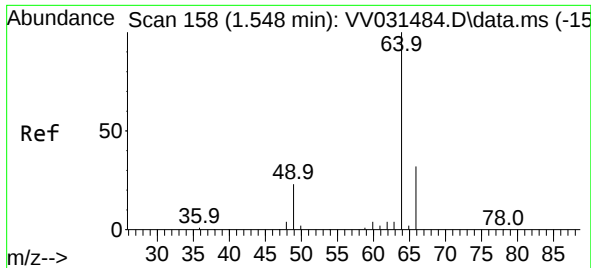
Tgt Ion: 62 Resp: 42447
 Ion Ratio Lower Upper
 62 100
 64 33.4 23.7 43.9



#6
 Bromomethane
 Concen: 48.868 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. 0.003 min
 Lab File: VV031496.D
 Acq: 09 Jun 2023 15:58

Tgt Ion: 94 Resp: 26216
 Ion Ratio Lower Upper
 94 100
 96 97.7 65.4 121.4

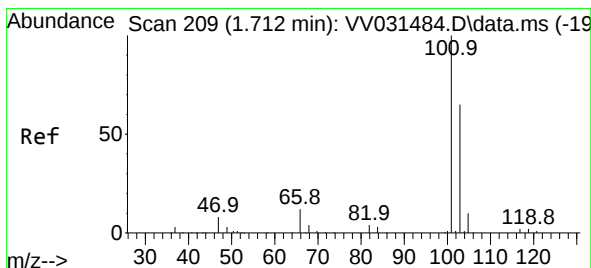
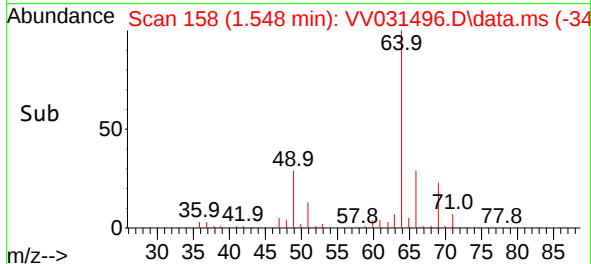
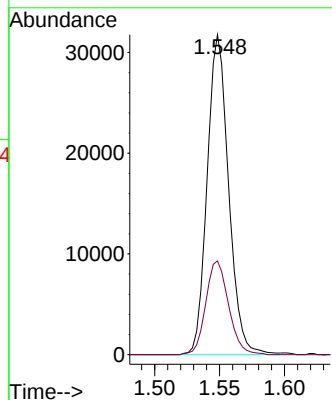
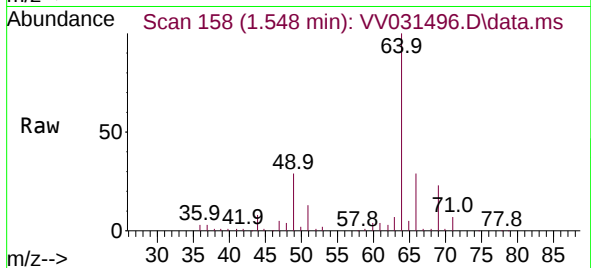




#8
Chloroethane
Concen: 50.774 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

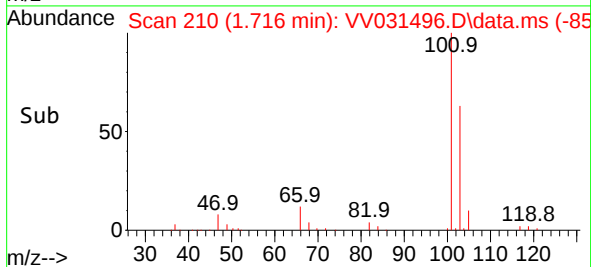
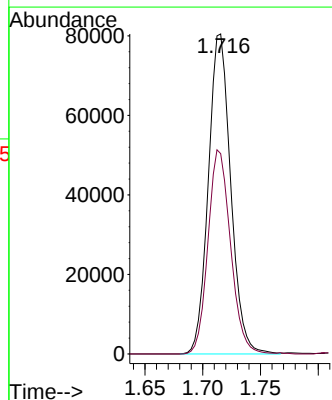
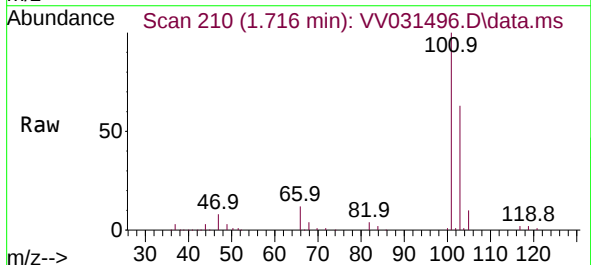
Instrument :
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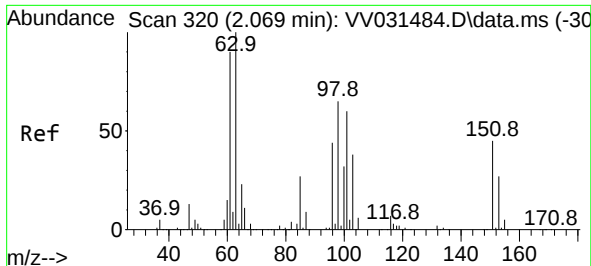
Tgt Ion: 64 Resp: 36514
Ion Ratio Lower Upper
64 100
66 29.3 21.4 39.8



#9
Trichlorofluoromethane
Concen: 50.427 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion:101 Resp: 108642
Ion Ratio Lower Upper
101 100
103 64.2 51.8 77.6





#10

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

Concen: 51.084 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050366

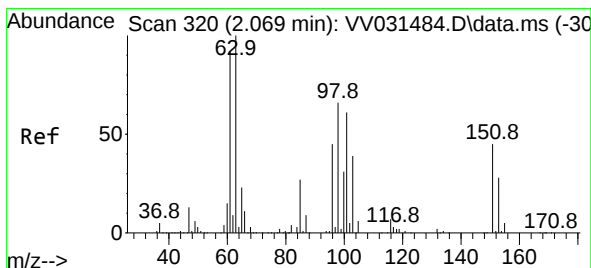
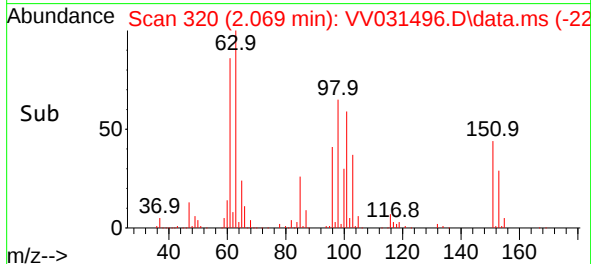
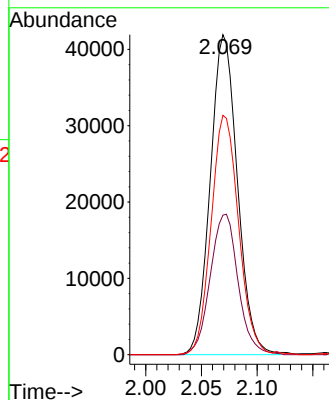
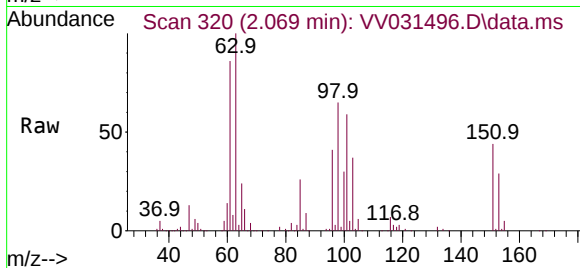
Tgt Ion:101 Resp: 71173

Ion Ratio Lower Upper

101 100

85 44.9 37.3 55.9

151 75.5 57.8 86.6



#12

1,1-Dichloroethene

Concen: 47.828 ug/L

RT: 2.072 min Scan# 321

Delta R.T. 0.003 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

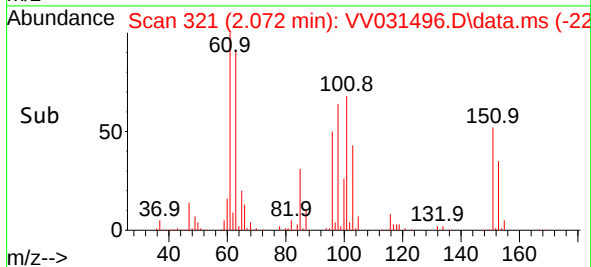
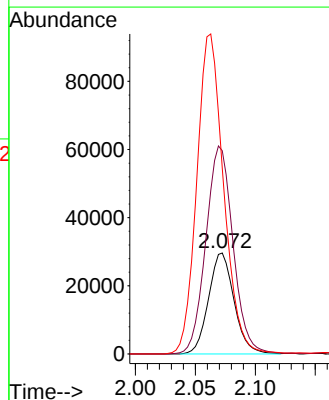
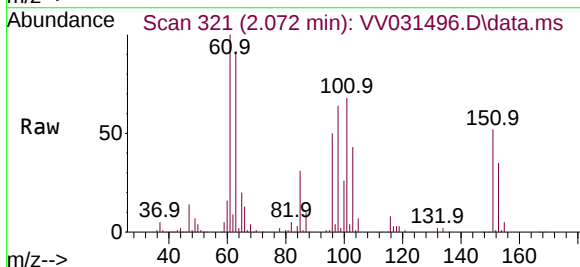
Tgt Ion: 96 Resp: 43863

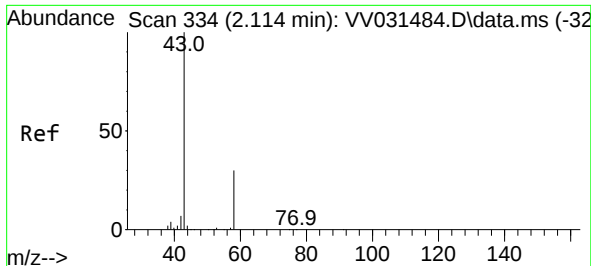
Ion Ratio Lower Upper

96 100

61 201.3 143.9 267.3

63 183.9 158.3 293.9





#13

Acetone

Concen: 83.401 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

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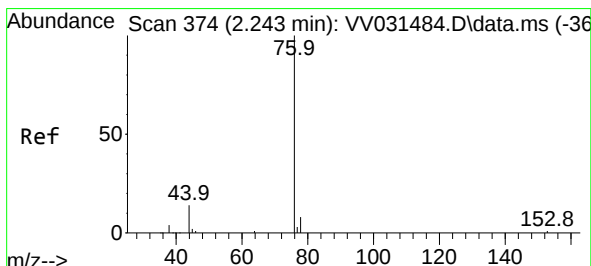
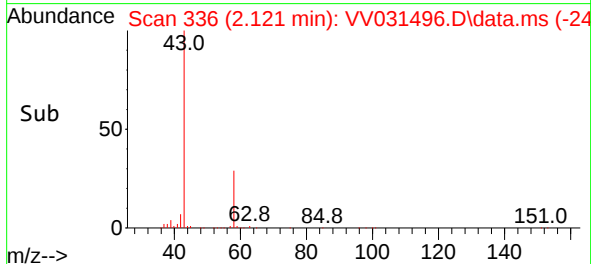
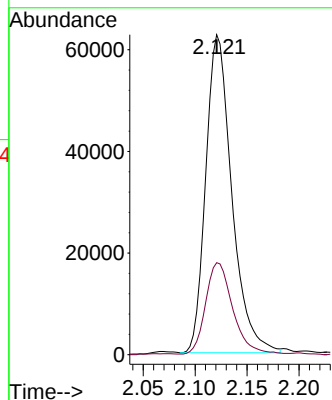
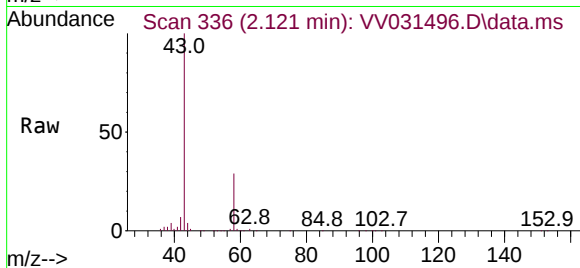
VSTD050366

Tgt Ion: 43 Resp: 109060

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.0



#14

Carbon disulfide

Concen: 41.721 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031496.D

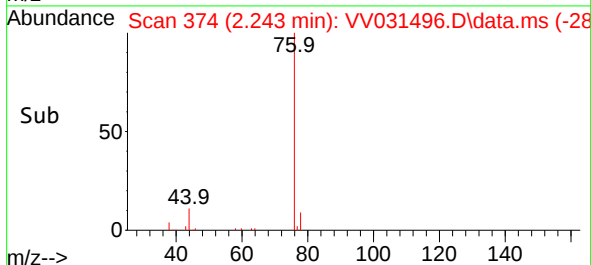
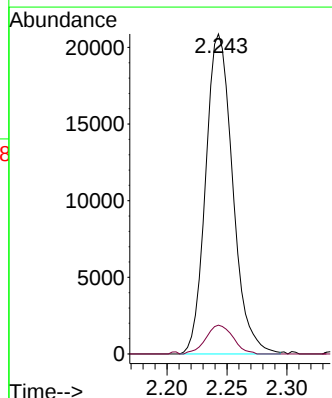
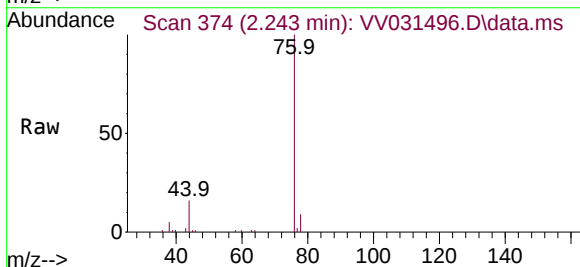
Acq: 09 Jun 2023 15:58

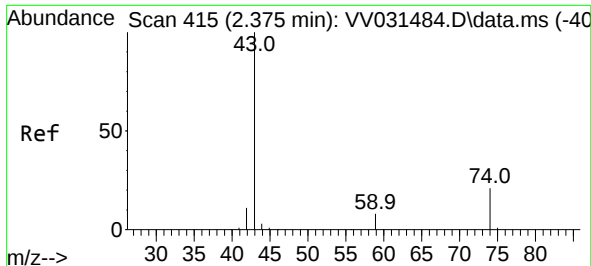
Tgt Ion: 76 Resp: 32729

Ion Ratio Lower Upper

76 100

78 9.0 7.9 11.9

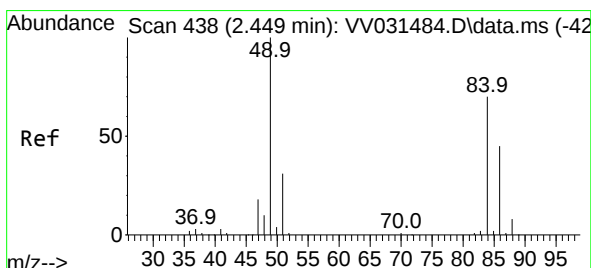
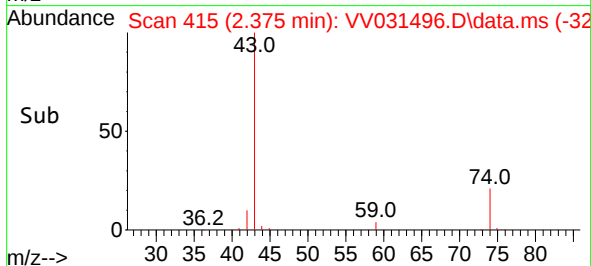
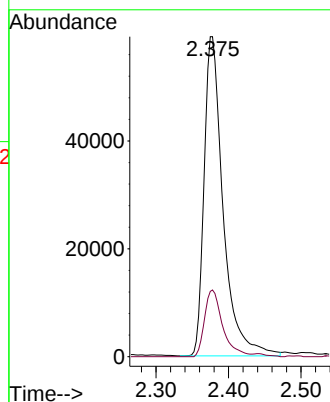
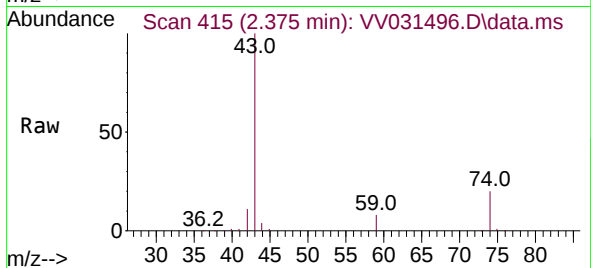




#15
Methyl Acetate
Concen: 54.793 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

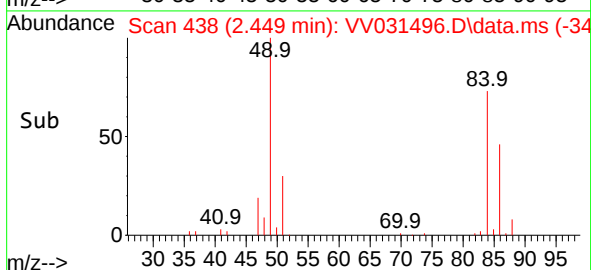
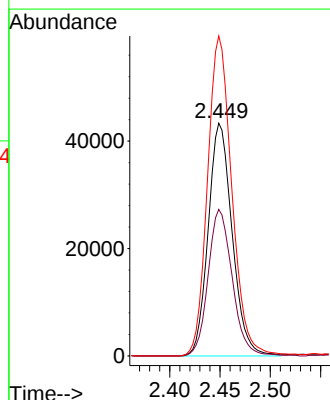
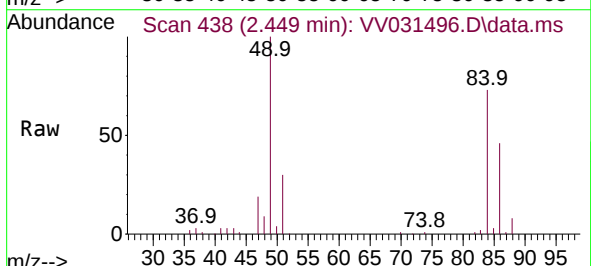
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

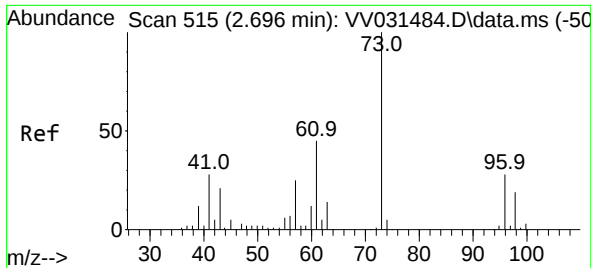
Tgt Ion: 43 Resp: 108196
Ion Ratio Lower Upper
43 100
74 19.9 16.0 24.0



#16
Methylene chloride
Concen: 51.951 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 84 Resp: 71919
Ion Ratio Lower Upper
84 100
86 63.0 46.1 85.5
49 137.5 102.7 190.7

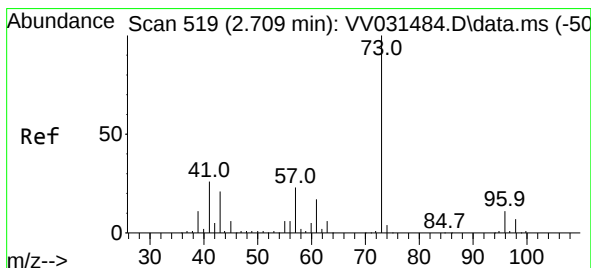
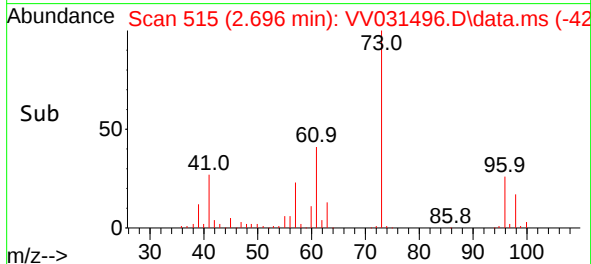
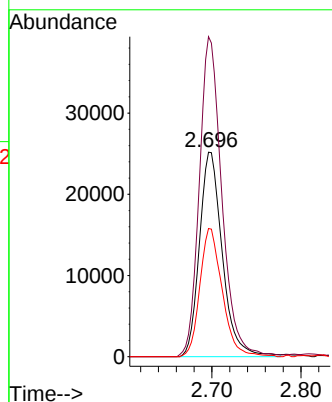
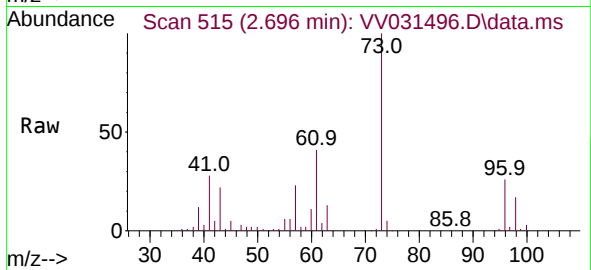




#17
trans-1,2-Dichloroethene
Concen: 51.768 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

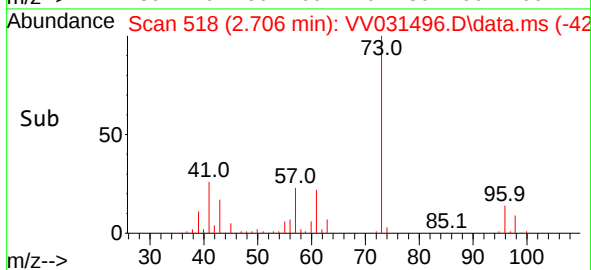
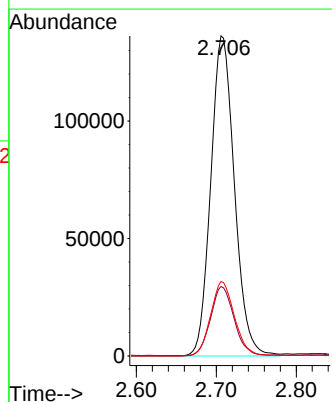
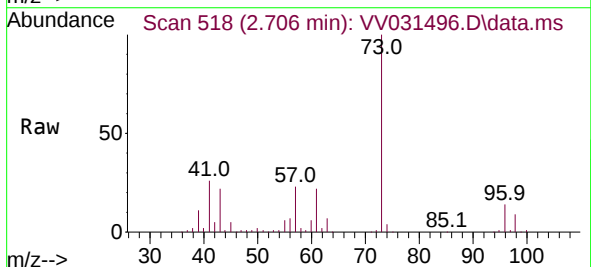
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

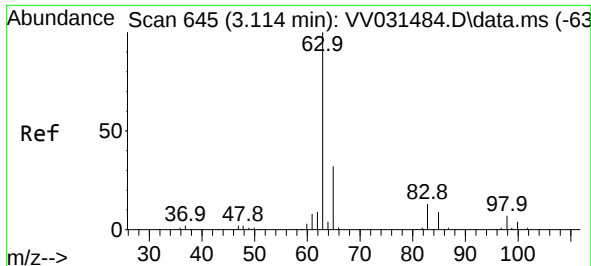
Tgt Ion: 96 Resp: 45013
Ion Ratio Lower Upper
96 100
61 156.5 106.9 198.5
98 62.7 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 52.418 ug/L
RT: 2.706 min Scan# 518
Delta R.T. -0.003 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 73 Resp: 280157
Ion Ratio Lower Upper
73 100
43 21.4 16.6 25.0
57 23.3 18.6 28.0





#19

1,1-Dichloroethane

Concen: 52.812 ug/L

RT: 3.114 min Scan# 645

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050366

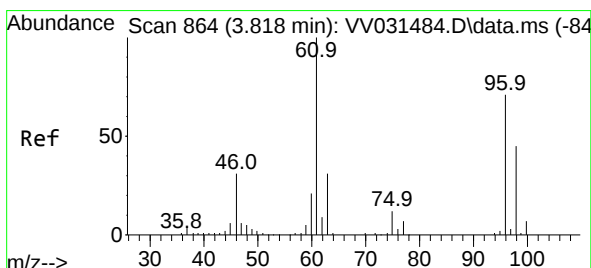
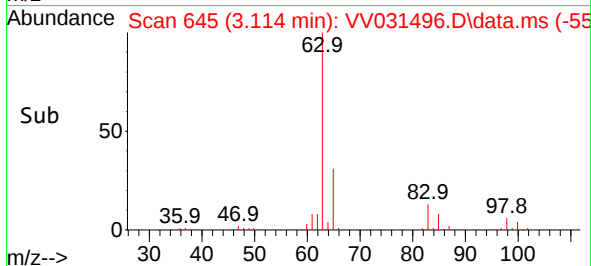
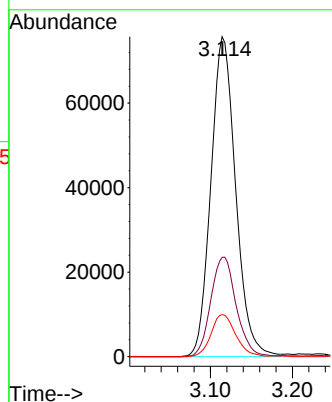
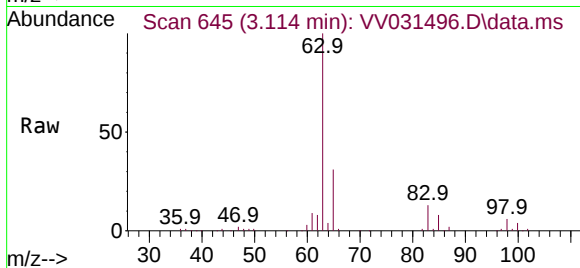
Tgt Ion: 63 Resp: 158844

Ion Ratio Lower Upper

63 100

65 31.0 21.4 39.8

83 13.1 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 52.059 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

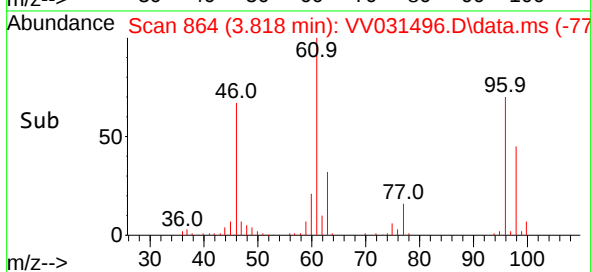
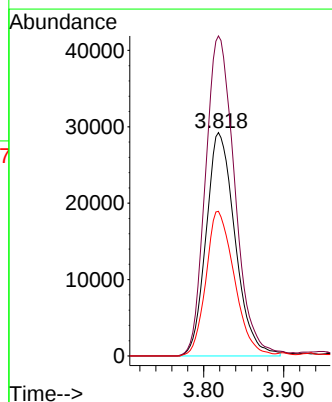
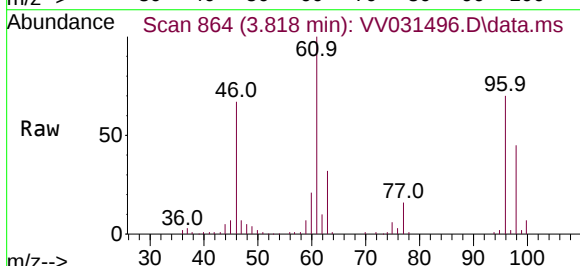
Tgt Ion: 96 Resp: 73594

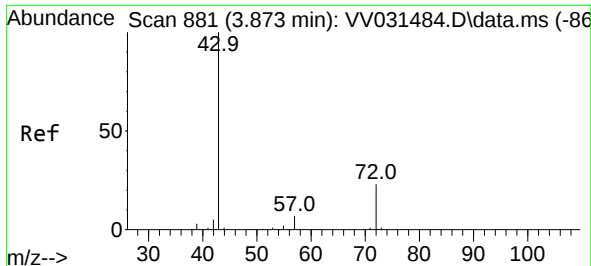
Ion Ratio Lower Upper

96 100

61 143.2 101.6 188.6

98 64.8 44.4 82.4

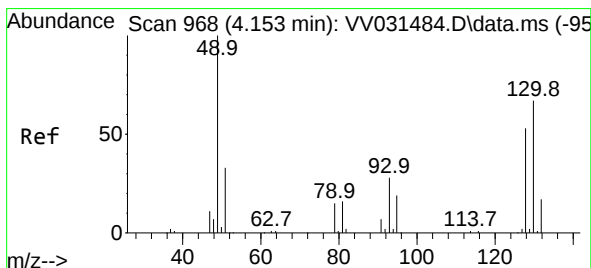
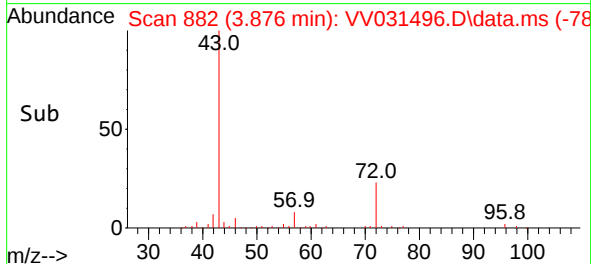
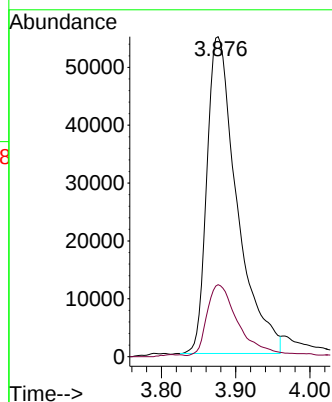
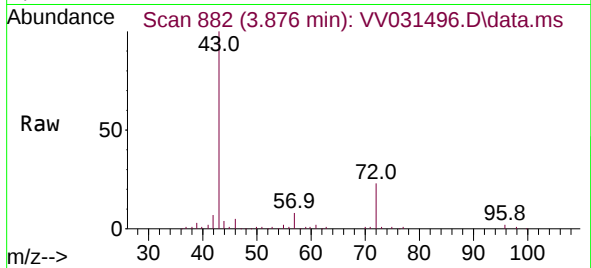




#22
2-Butanone
Concen: 95.809 ug/L
RT: 3.876 min Scan# 881
Delta R.T. 0.003 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

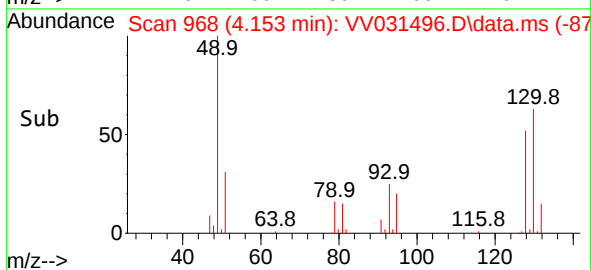
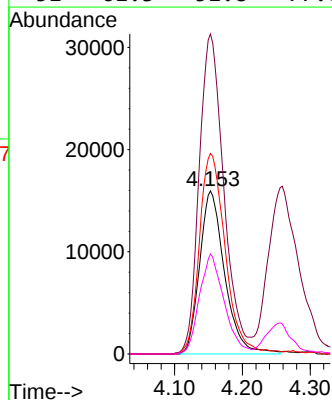
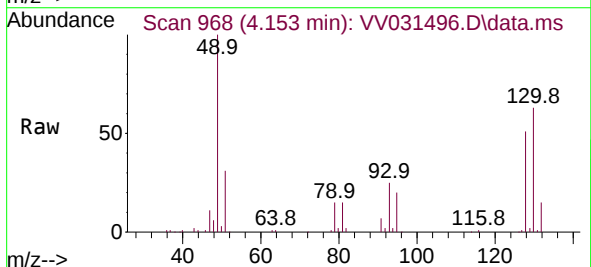
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

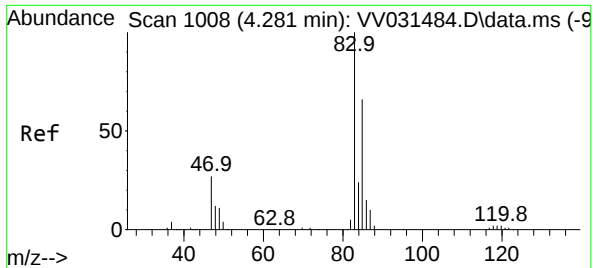
Tgt Ion: 43 Resp: 153982
Ion Ratio Lower Upper
43 100
72 23.4 10.4 31.4



#23
Bromochloromethane
Concen: 54.843 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 128 Resp: 40770
Ion Ratio Lower Upper
128 100
49 196.4 138.2 256.6
130 123.0 91.4 169.8
51 61.3 51.8 77.6

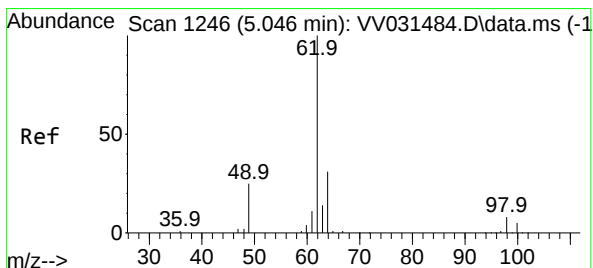
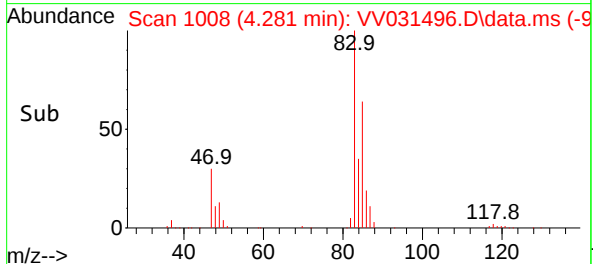
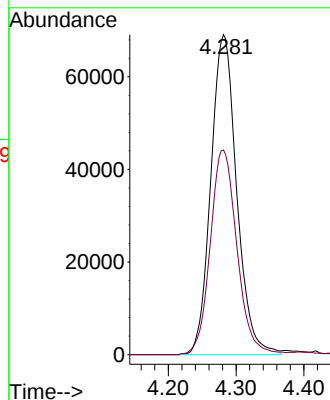
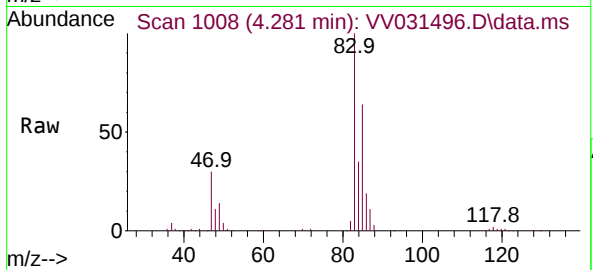




#25
Chloroform
Concen: 54.557 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

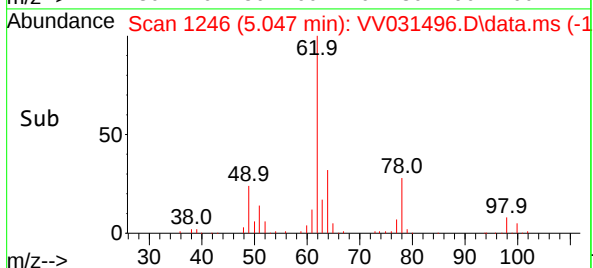
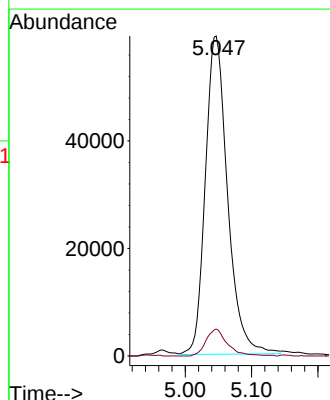
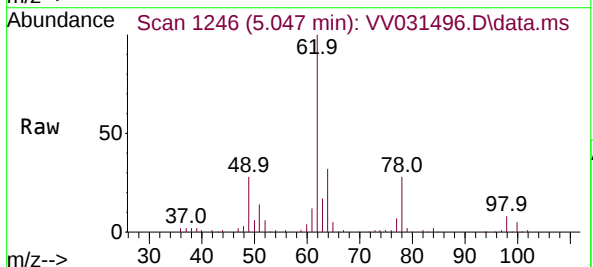
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

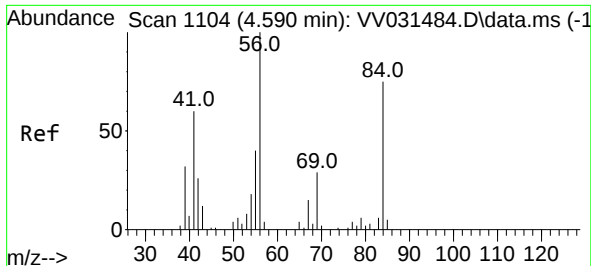
Tgt Ion: 83 Resp: 182984
Ion Ratio Lower Upper
83 100
85 63.9 43.9 81.5



#27
1,2-Dichloroethane
Concen: 56.365 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 62 Resp: 138042
Ion Ratio Lower Upper
62 100
98 8.4 6.2 9.4





#29

Cyclohexane

Concen: 43.785 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050366

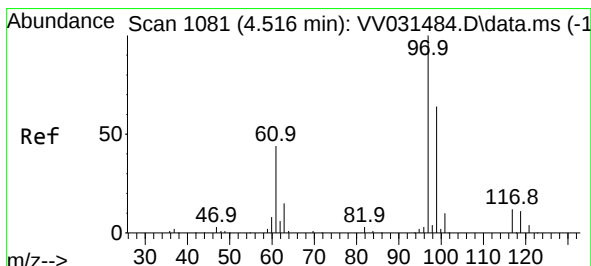
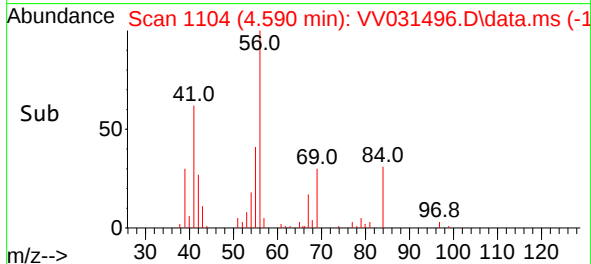
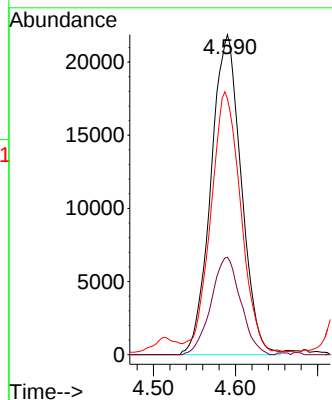
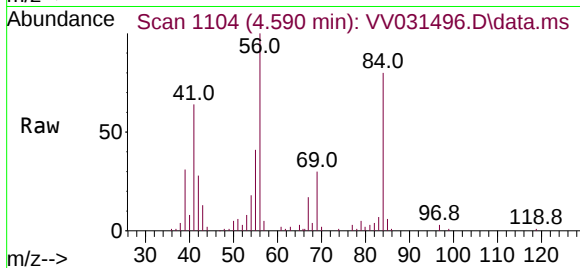
Tgt Ion: 56 Resp: 56076

Ion Ratio Lower Upper

56 100

69 29.9 23.5 35.3

84 81.8 61.3 91.9



#30

1,1,1-Trichloroethane

Concen: 50.576 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

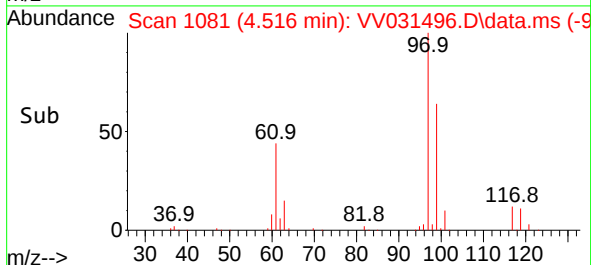
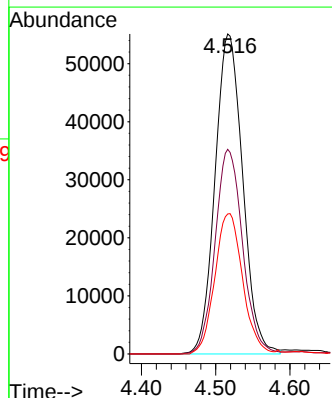
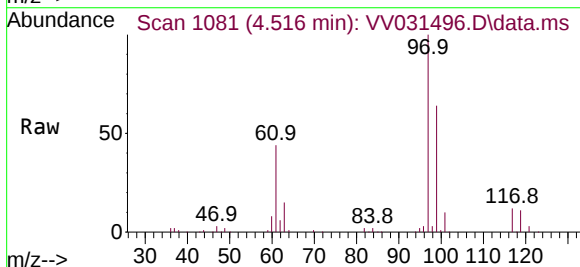
Tgt Ion: 97 Resp: 142758

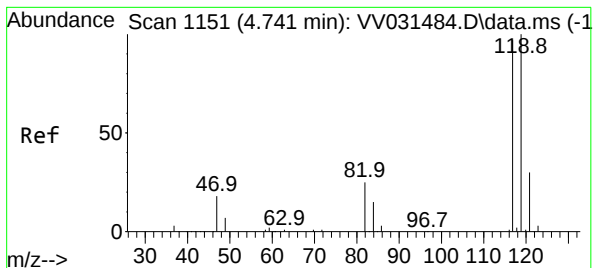
Ion Ratio Lower Upper

97 100

99 63.7 51.9 77.9

61 44.0 36.1 54.1





#31

Carbon tetrachloride

Concen: 48.884 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

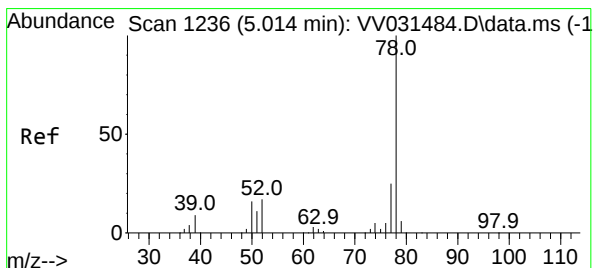
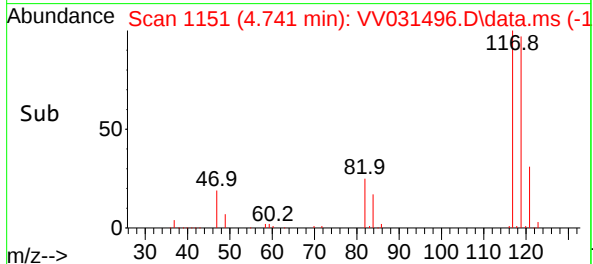
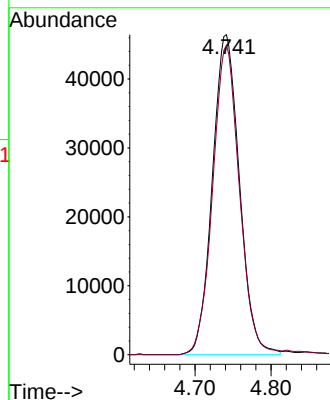
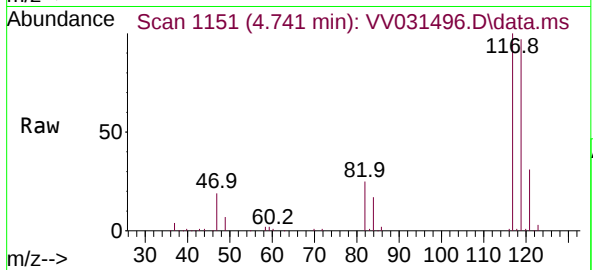
VSTD050366

Tgt Ion:117 Resp: 114623

Ion Ratio Lower Upper

117 100

119 95.6 75.8 113.6



#33

Benzene

Concen: 51.827 ug/L

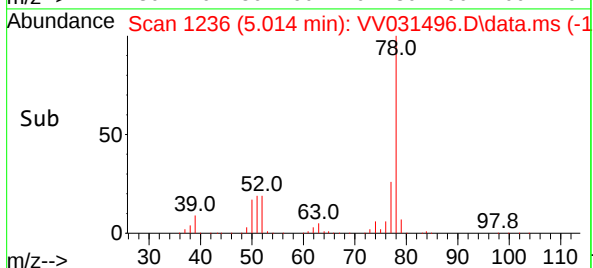
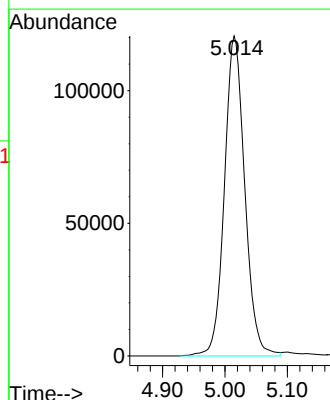
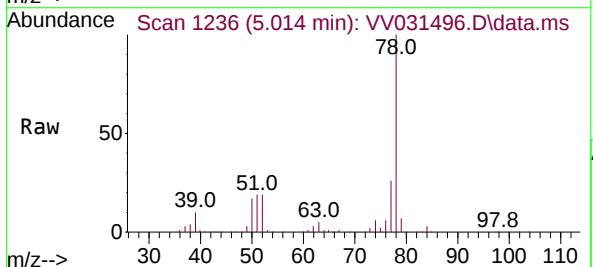
RT: 5.014 min Scan# 1236

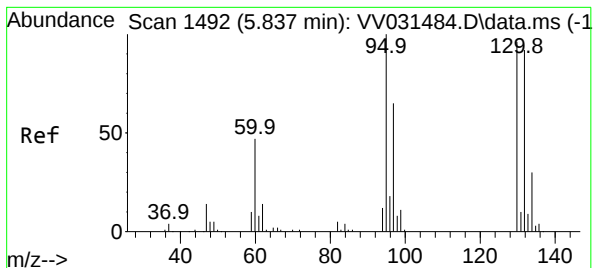
Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Tgt Ion: 78 Resp: 273458





#34

Trichloroethene

Concen: 53.923 ug/L

RT: 5.838 min Scan# 14

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050366

Tgt Ion: 95 Resp: 89638

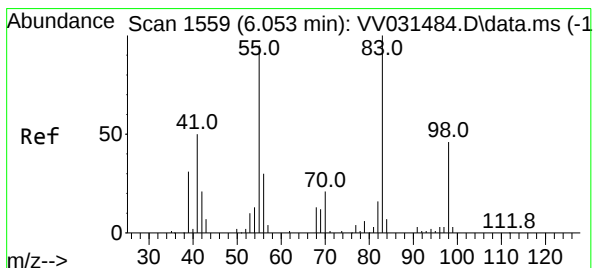
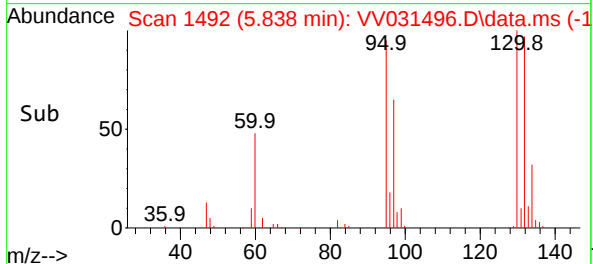
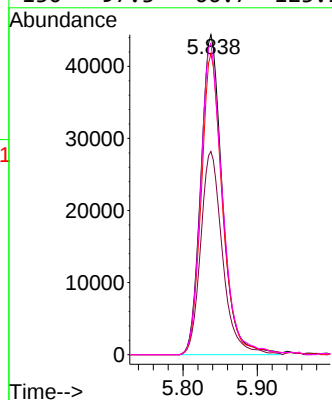
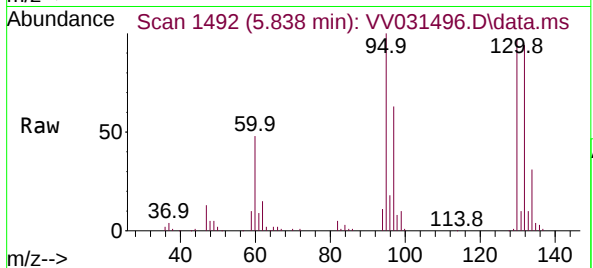
Ion Ratio Lower Upper

95 100

97 63.5 44.2 82.0

132 94.0 64.2 119.2

130 97.3 66.7 123.9



#35

Methylcyclohexane

Concen: 45.073 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.003 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

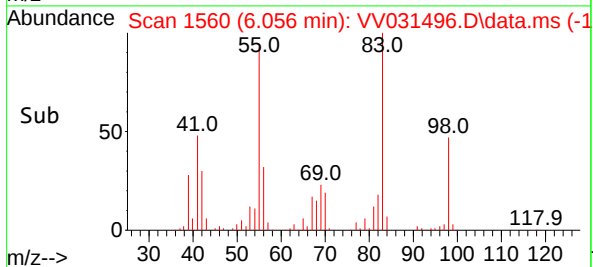
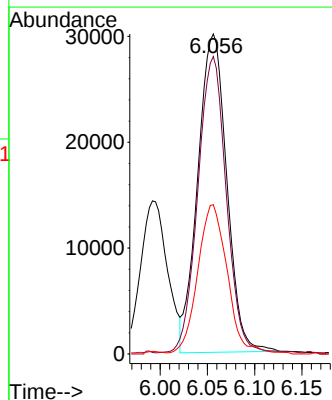
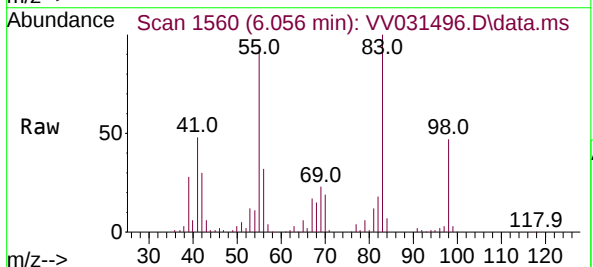
Tgt Ion: 83 Resp: 64082

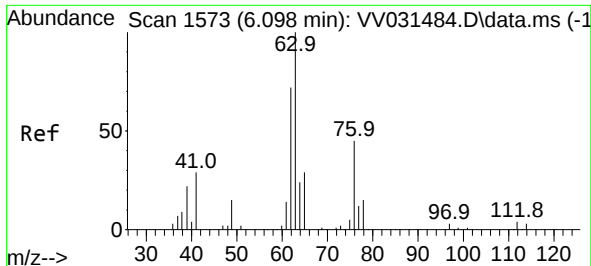
Ion Ratio Lower Upper

83 100

55 92.8 73.9 110.9

98 46.0 37.0 55.4





#37

1,2-Dichloropropane

Concen: 51.967 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

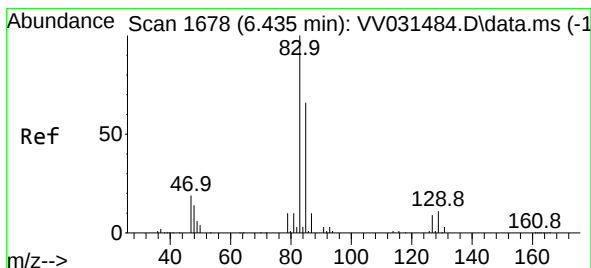
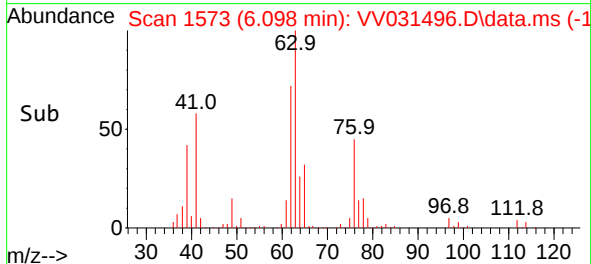
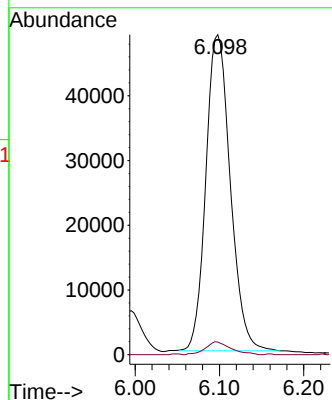
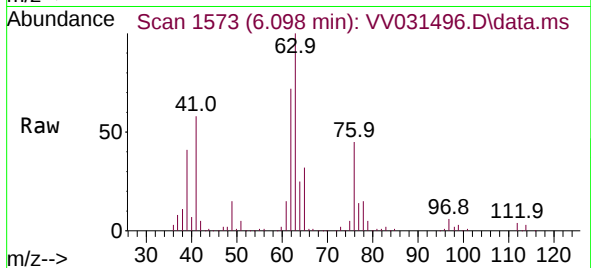
VSTD050366

Tgt Ion: 63 Resp: 98694

Ion Ratio Lower Upper

63 100

112 4.2 3.3 4.9



#38

Bromodichloromethane

Concen: 51.517 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

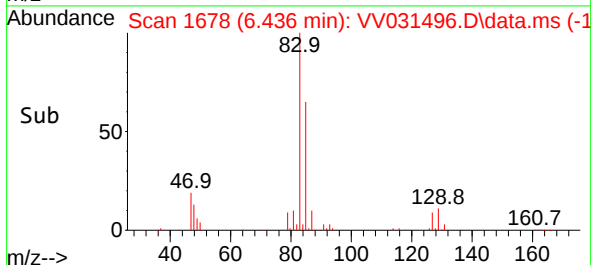
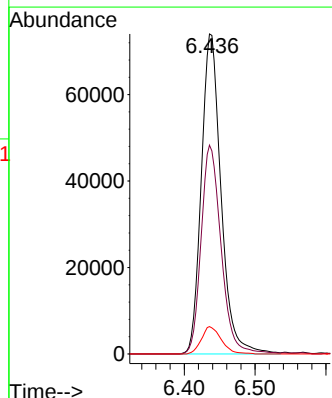
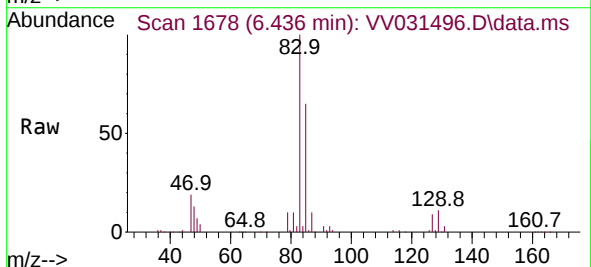
Tgt Ion: 83 Resp: 143198

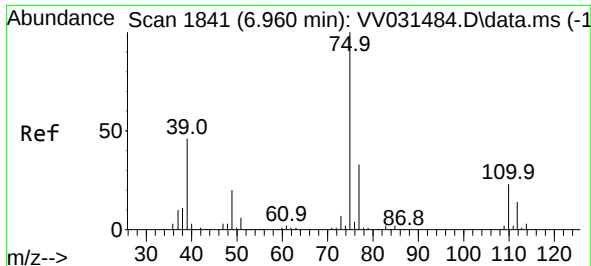
Ion Ratio Lower Upper

83 100

85 65.3 43.2 80.2

127 8.6 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 50.878 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

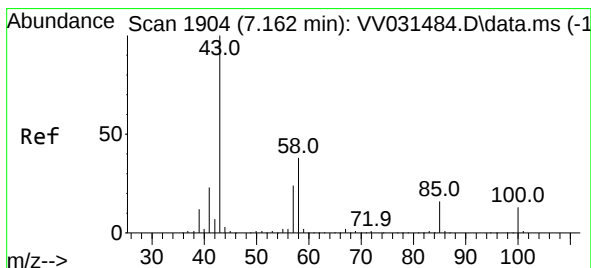
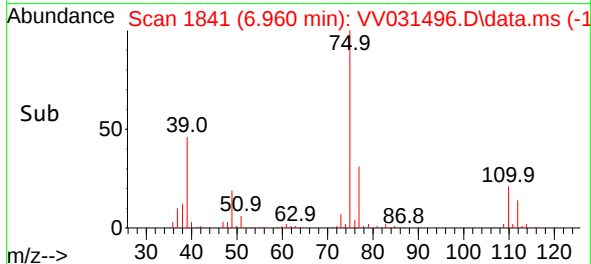
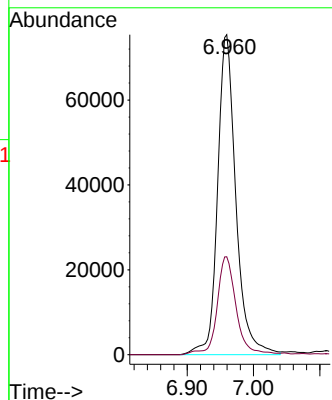
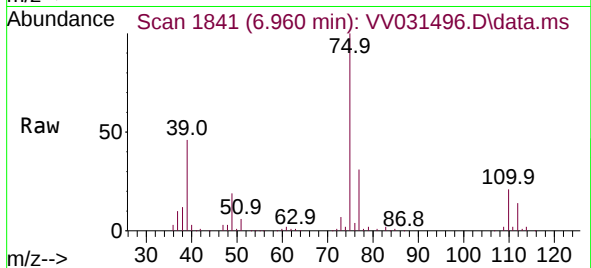
VSTD050366

Tgt Ion: 75 Resp: 144360

Ion Ratio Lower Upper

75 100

77 30.6 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 109.724 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

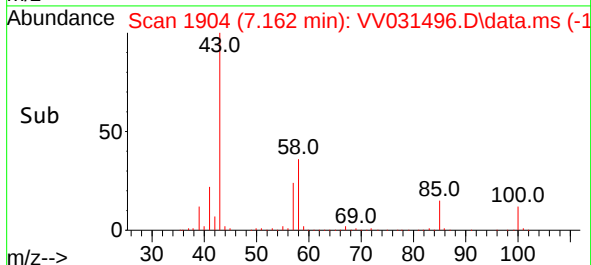
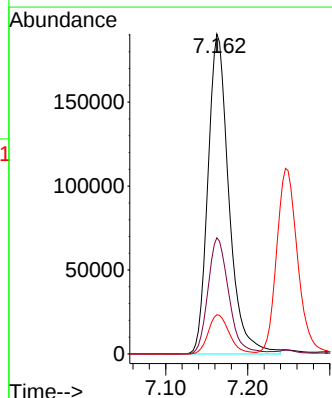
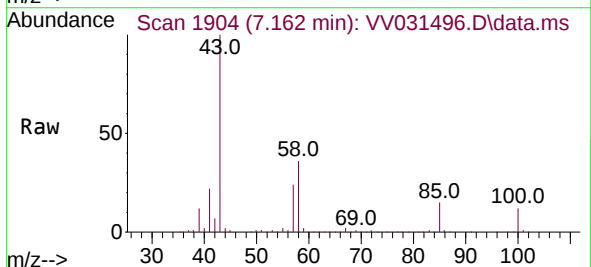
Tgt Ion: 43 Resp: 338509

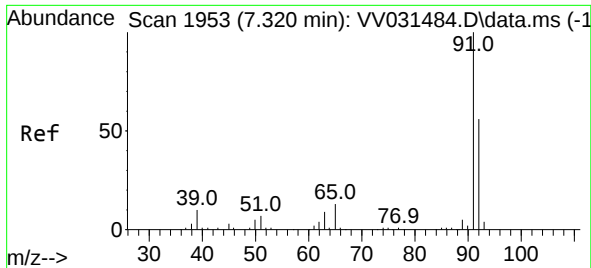
Ion Ratio Lower Upper

43 100

58 36.1 29.9 44.9

100 12.4 10.3 15.5





#42

Toluene

Concen: 52.898 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

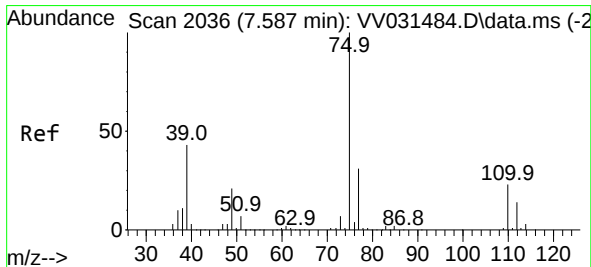
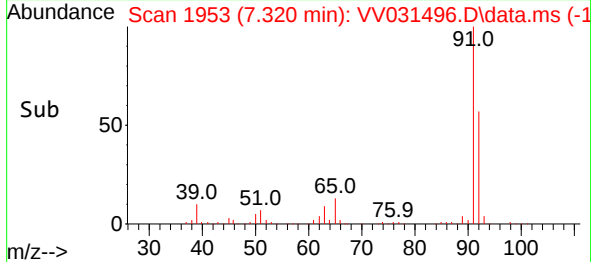
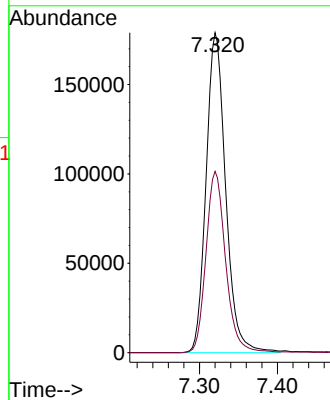
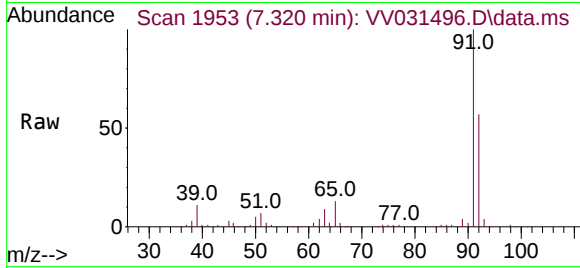
VSTD050366

Tgt Ion: 91 Resp: 312405

Ion Ratio Lower Upper

91 100

92 56.6 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 53.135 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031496.D

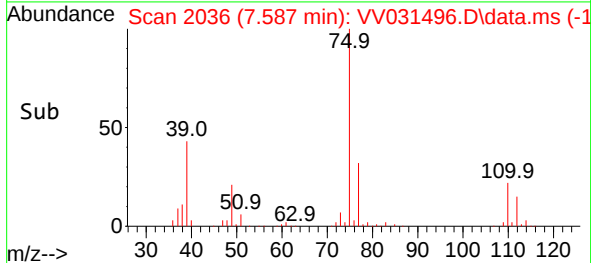
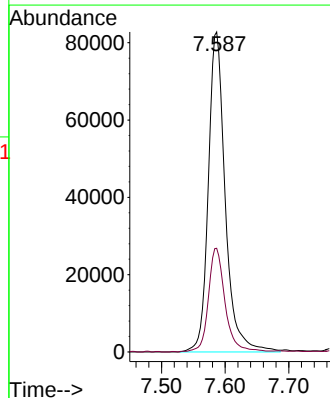
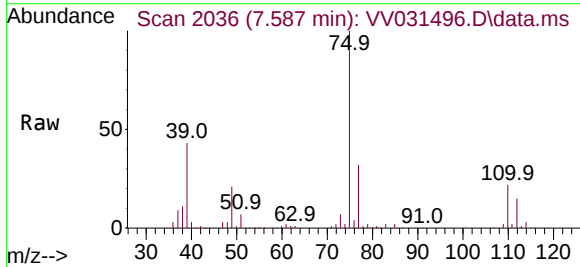
Acq: 09 Jun 2023 15:58

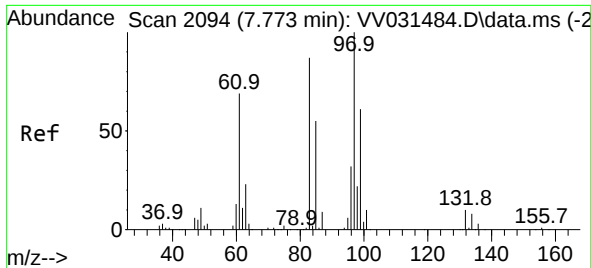
Tgt Ion: 75 Resp: 152918

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2

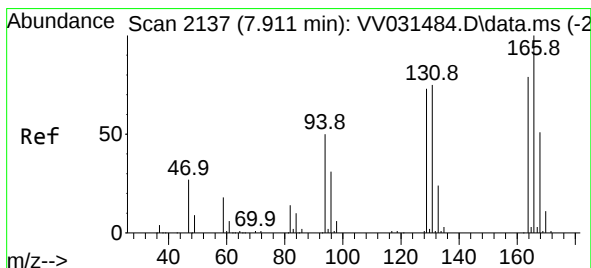
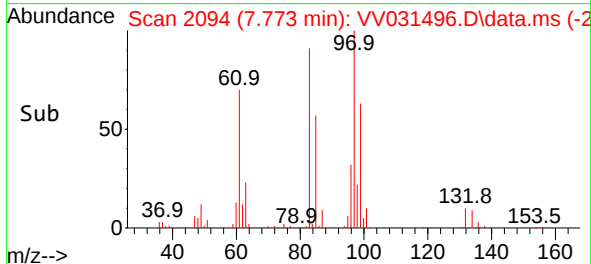
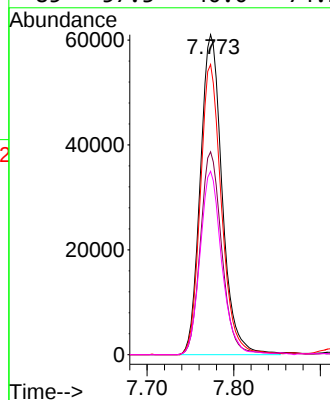
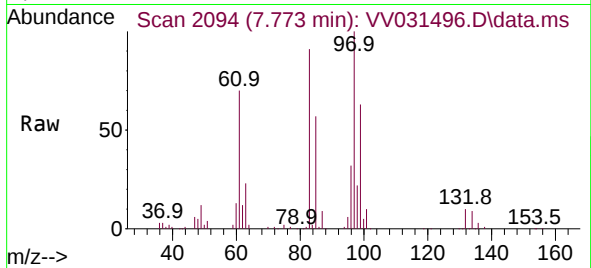




#45
1,1,2-Trichloroethane
Concen: 54.564 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

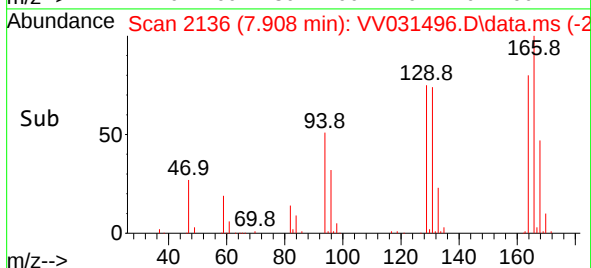
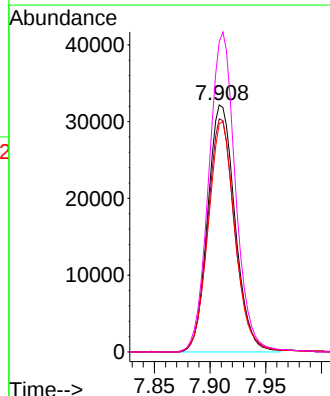
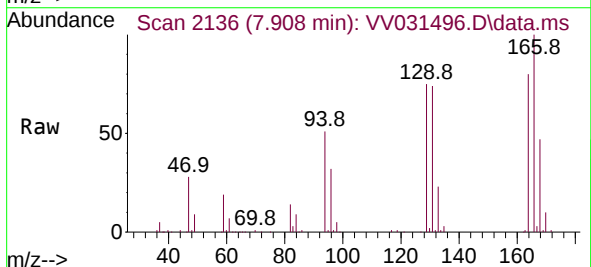
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

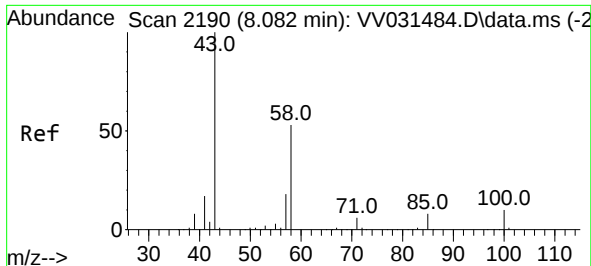
Tgt Ion: 97	Resp: 107111
Ion Ratio	Lower Upper
97 100	
99 63.4	43.8 81.4
83 90.7	61.9 115.1
85 57.3	40.0 74.2



#46
Tetrachloroethene
Concen: 50.923 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.003 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt	Ion:164	Resp:	54954
Ion	Ratio	Lower	Upper
164	100		
129	94.4	68.0	126.4
131	92.4	65.5	121.7
166	125.5	90.5	168.1



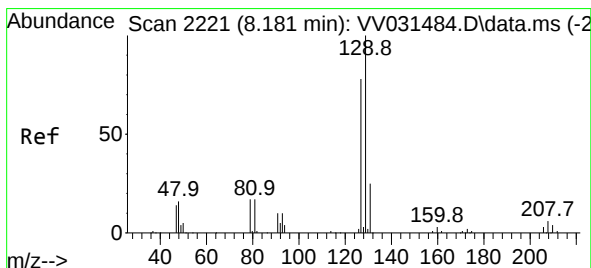
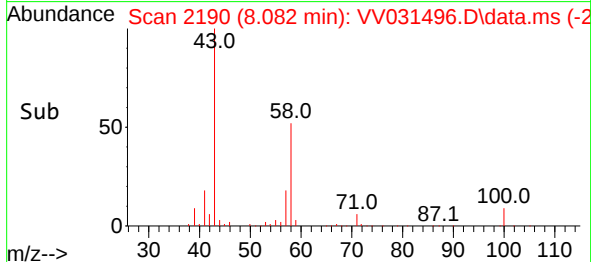
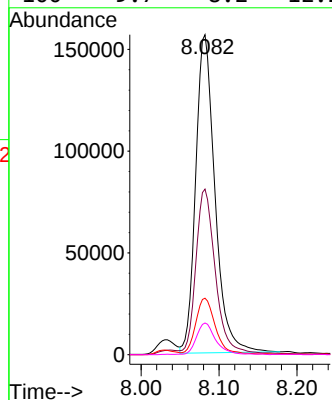
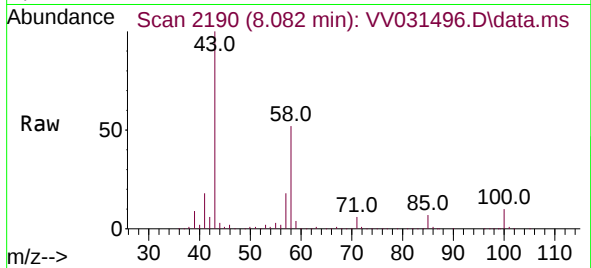


#48
2-Hexanone
Concen: 111.483 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

Tgt Ion: 43 Resp: 269215

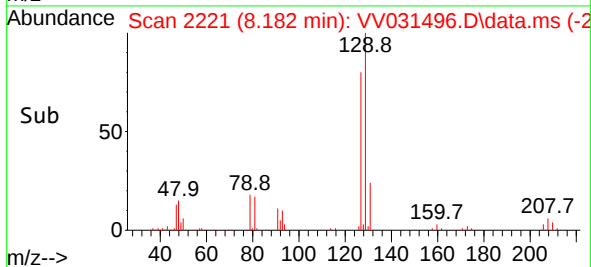
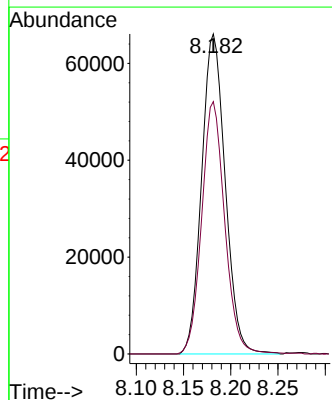
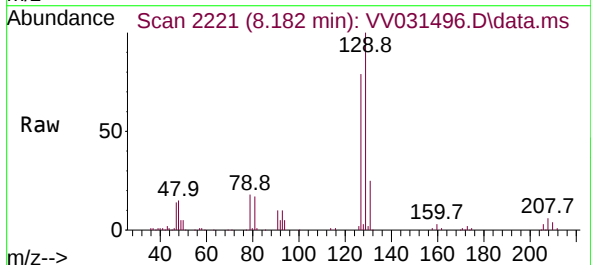
Ion	Ratio	Lower	Upper
43	100		
58	52.2	42.9	64.3
57	17.7	14.6	22.0
100	9.7	8.2	12.2

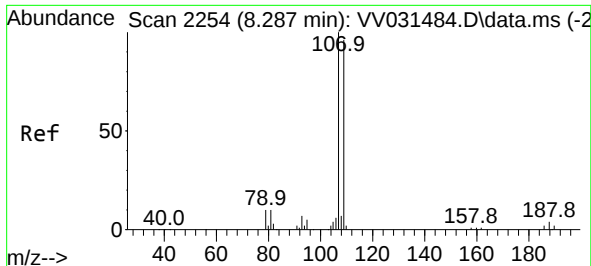


#49
Dibromochloromethane
Concen: 53.524 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 129 Resp: 114615

Ion	Ratio	Lower	Upper
129	100		
127	78.9	55.5	103.1





#50

1,2-Dibromoethane

Concen: 53.270 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050366

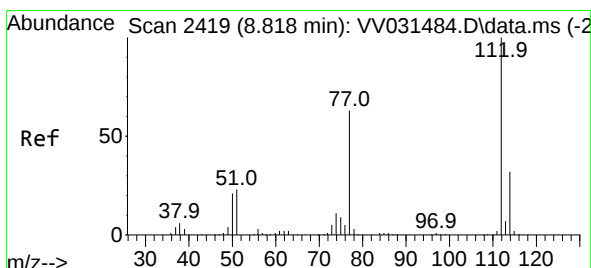
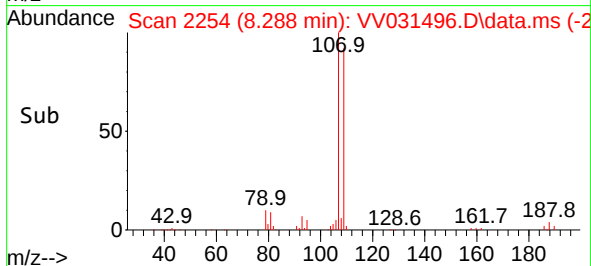
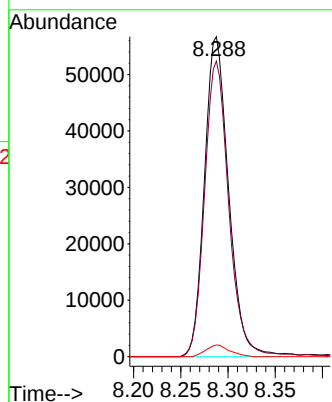
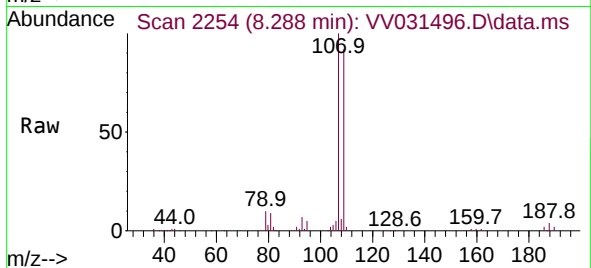
Tgt Ion:107 Resp: 100672

Ion Ratio Lower Upper

107 100

109 92.3 64.1 119.1

188 3.7 3.3 4.9



#51

Chlorobenzene

Concen: 51.475 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

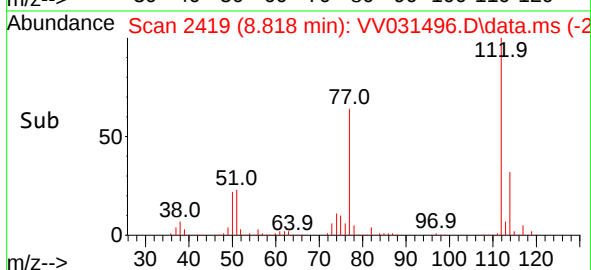
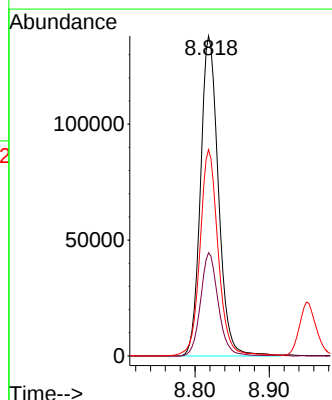
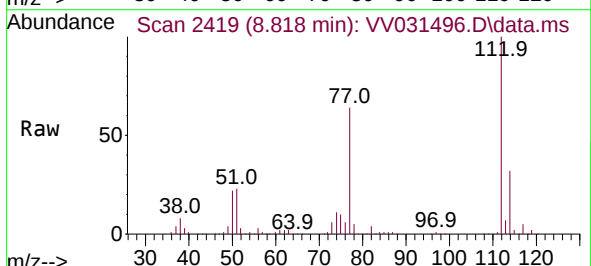
Tgt Ion:112 Resp: 231153

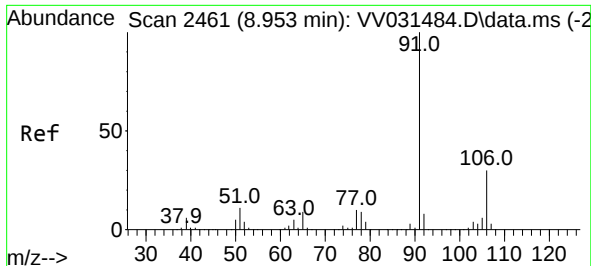
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 64.4 52.4 78.6

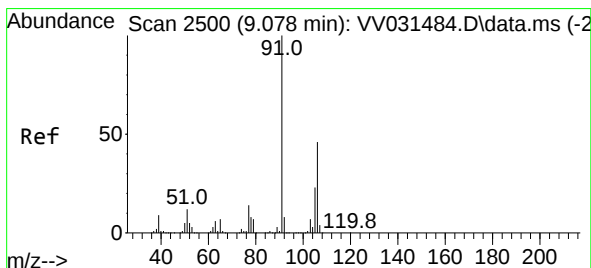
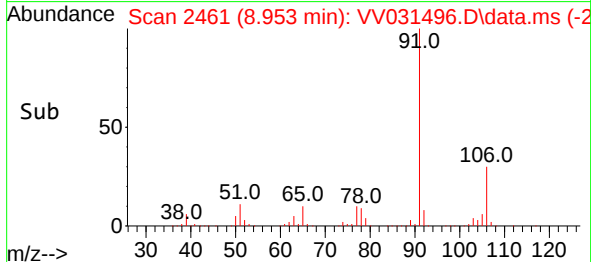
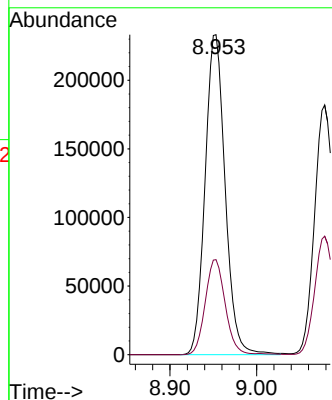
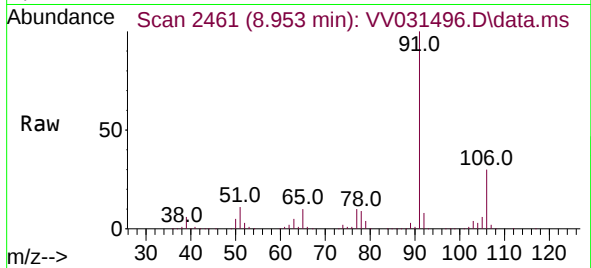




#52
Ethylbenzene
Concen: 51.052 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

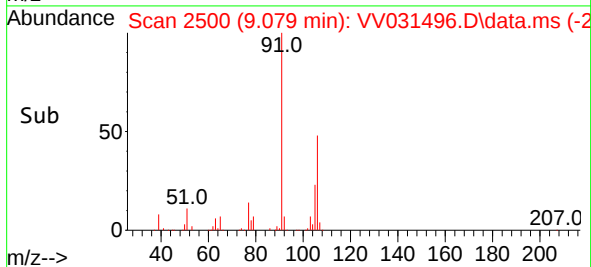
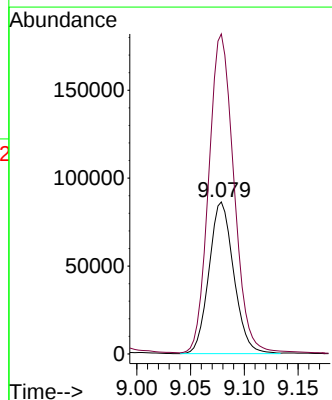
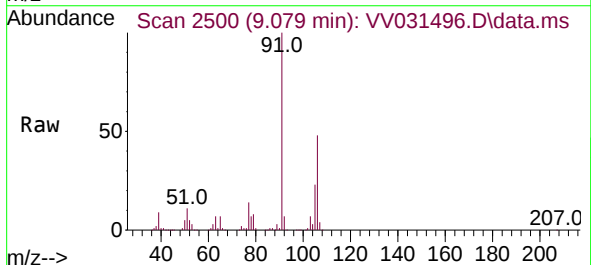
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

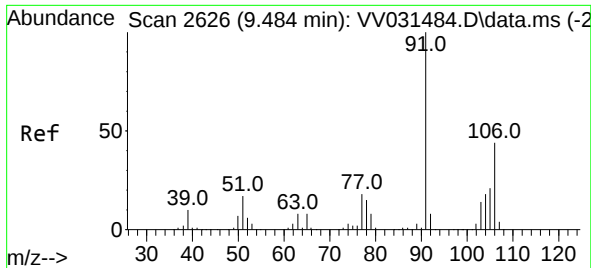
Tgt Ion: 91 Resp: 375229
Ion Ratio Lower Upper
91 100
106 29.7 20.4 38.0



#53
m,p-Xylene
Concen: 52.126 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 106 Resp: 138065
Ion Ratio Lower Upper
106 100
91 210.5 149.4 277.5

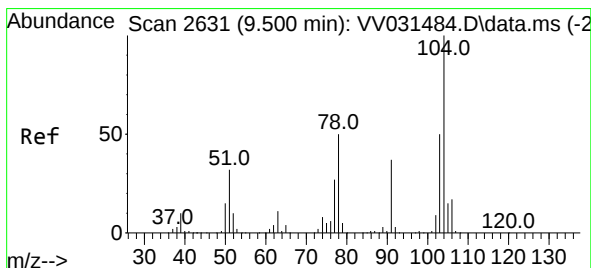
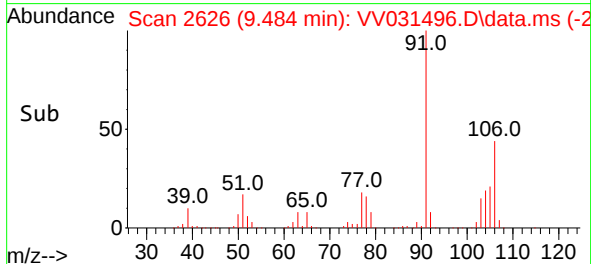
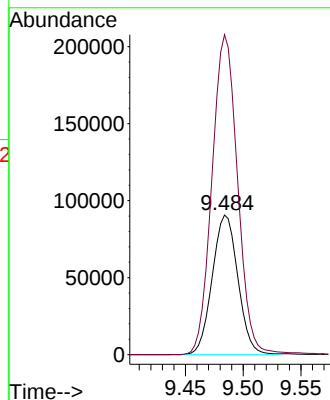
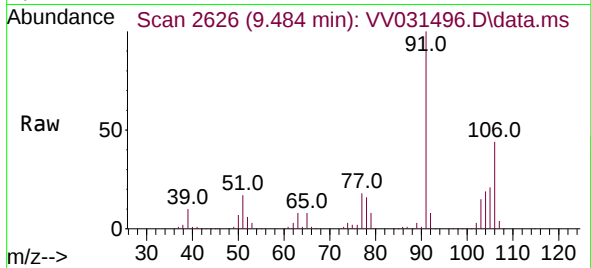




#54
o-Xylene
Concen: 52.406 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

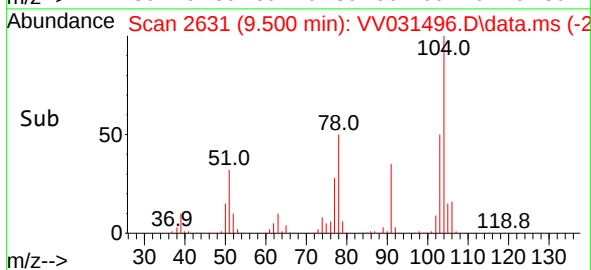
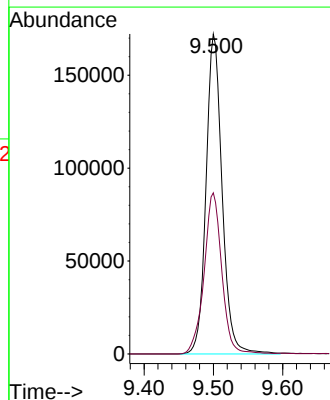
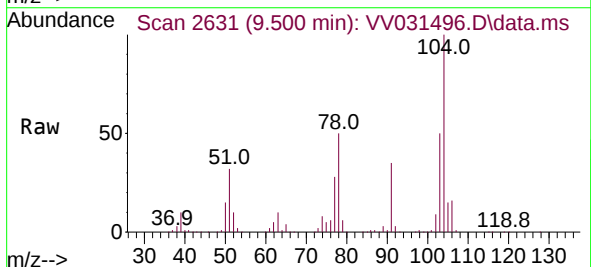
Instrument : MSVOA_V
ClientSampleId : VSTD050366

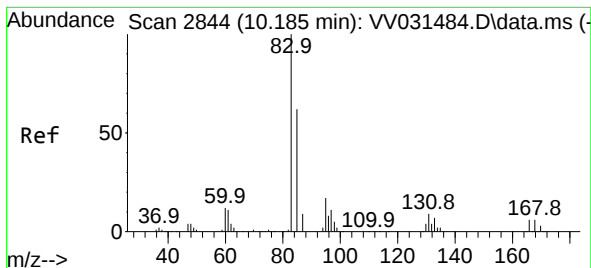
Tgt Ion:106 Resp: 140028
Ion Ratio Lower Upper
106 100
91 229.1 163.8 304.2



#55
Styrene
Concen: 56.916 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion:104 Resp: 277258
Ion Ratio Lower Upper
104 100
78 50.4 35.9 66.7

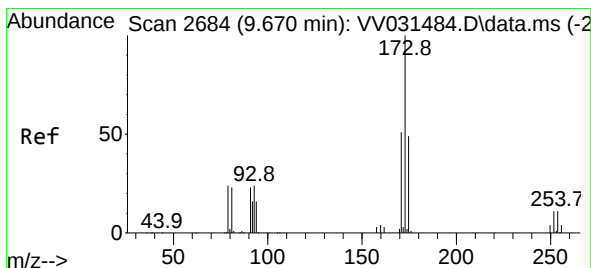
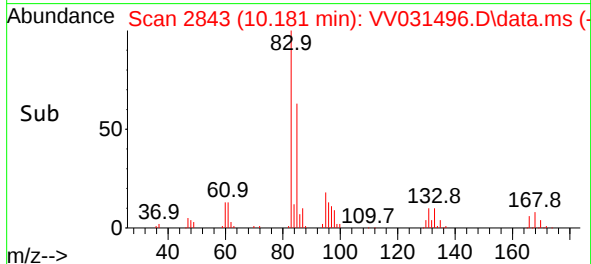
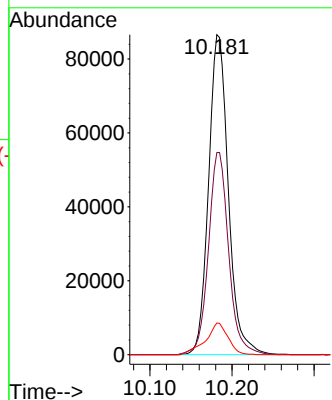
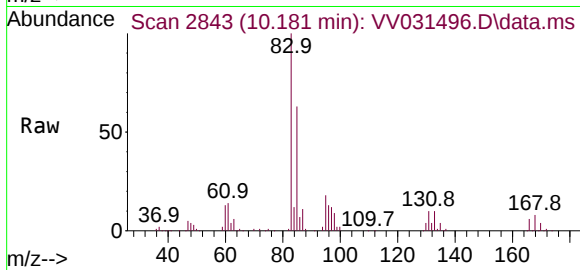




#57
1,1,2,2-Tetrachloroethane
Concen: 48.163 ug/L
RT: 10.181 min Scan# 2843
Delta R.T. -0.003 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

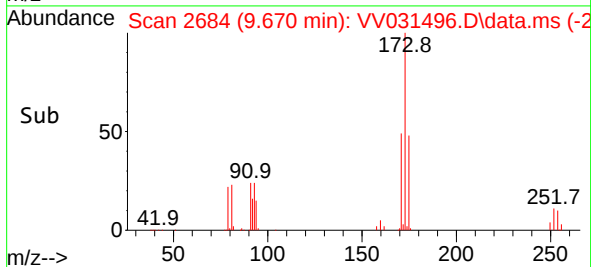
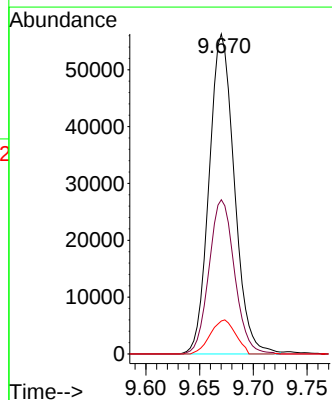
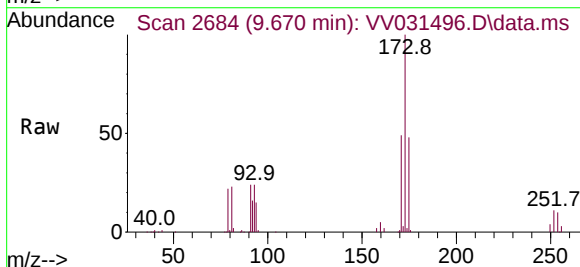
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

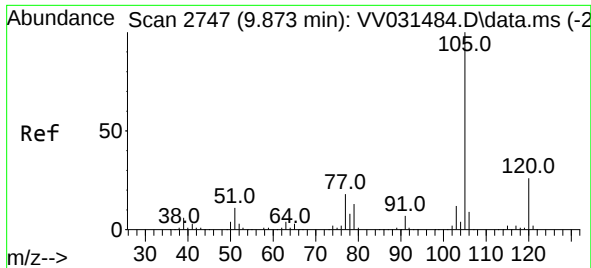
Tgt Ion: 83 Resp: 144930
Ion Ratio Lower Upper
83 100
85 63.2 43.7 81.1
131 9.9 7.3 10.9



#59
Bromoform
Concen: 50.353 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 173 Resp: 91997
Ion Ratio Lower Upper
173 100
175 48.7 38.8 58.2
254 10.7 8.7 13.1

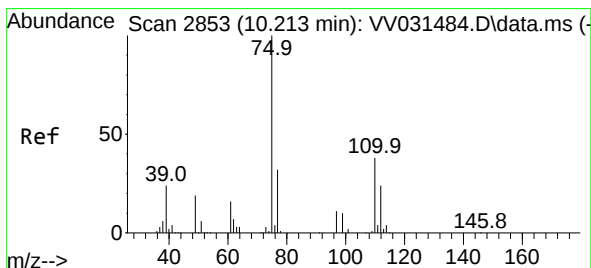
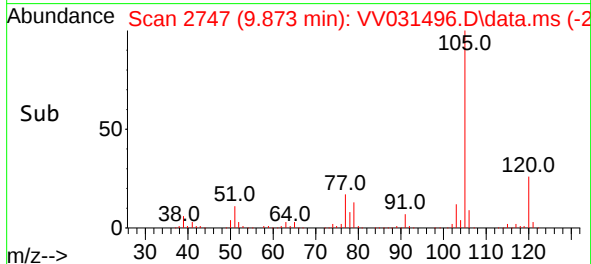
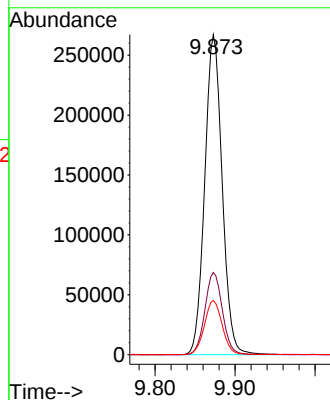
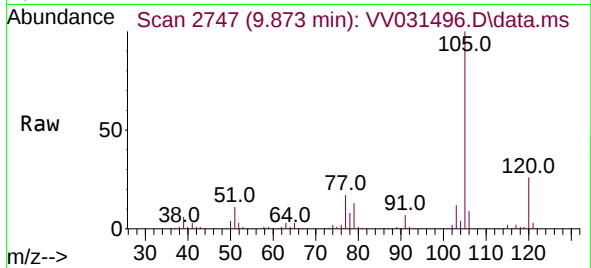




#60
Isopropylbenzene
Concen: 49.789 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

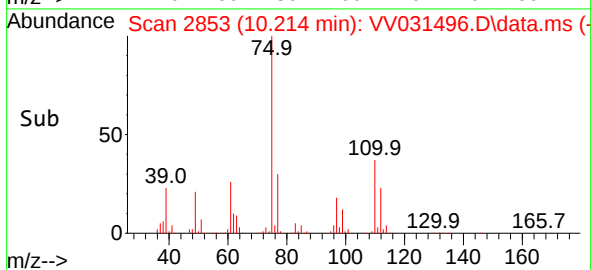
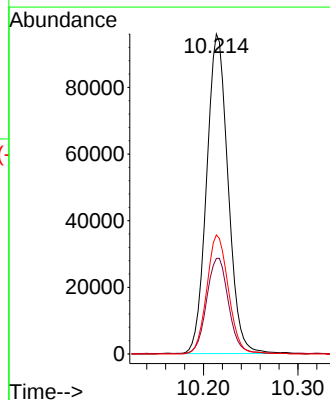
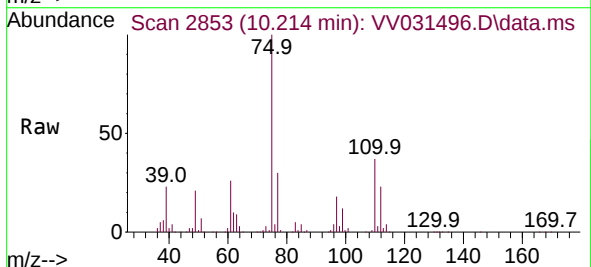
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

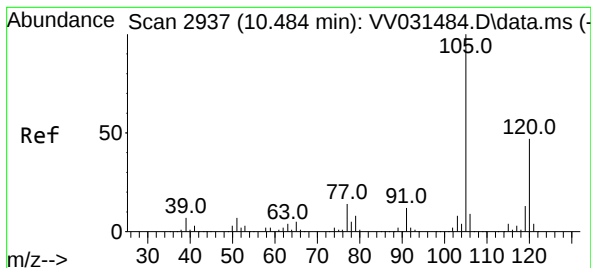
Tgt Ion:105 Resp: 405671
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8
77 17.4 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 52.396 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 75 Resp: 151241
Ion Ratio Lower Upper
75 100
77 30.6 25.6 38.4
110 37.7 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 50.545 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

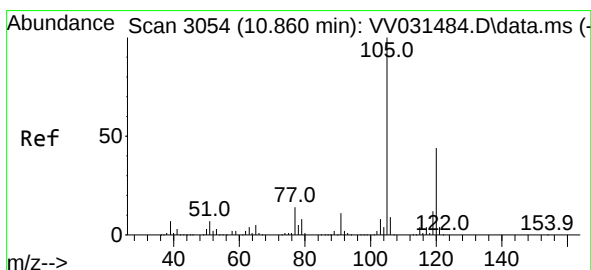
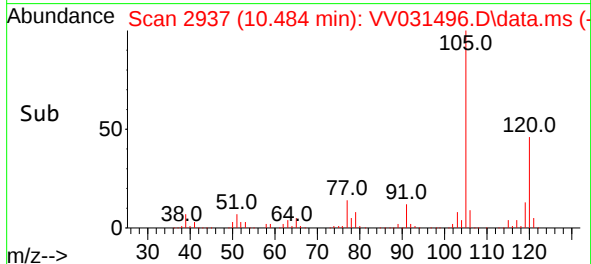
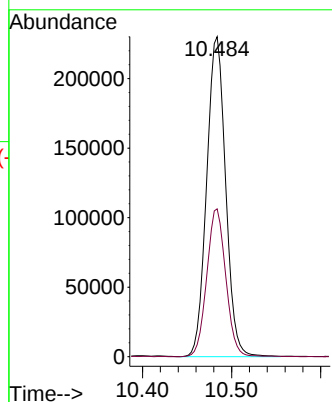
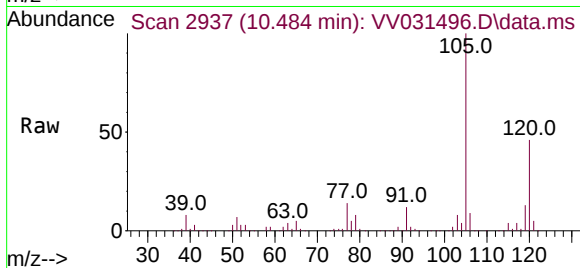
VSTD050366

Tgt Ion:105 Resp: 340122

Ion Ratio Lower Upper

105 100

120 46.2 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 51.370 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.003 min

Lab File: VV031496.D

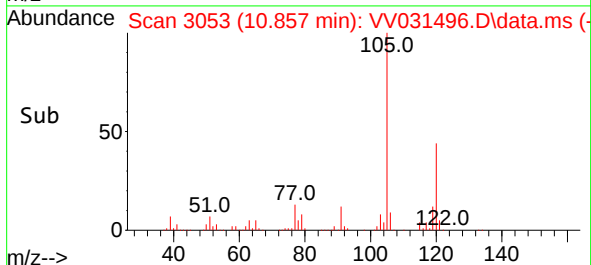
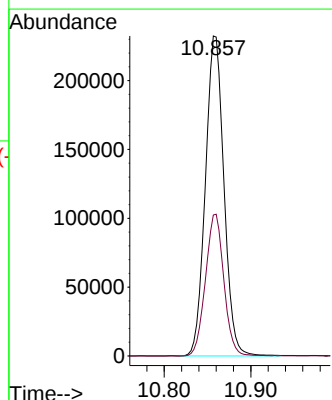
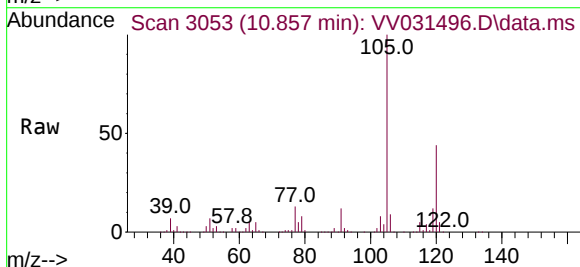
Acq: 09 Jun 2023 15:58

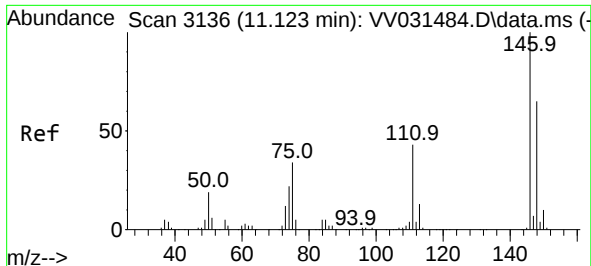
Tgt Ion:105 Resp: 346003

Ion Ratio Lower Upper

105 100

120 43.9 35.0 52.4

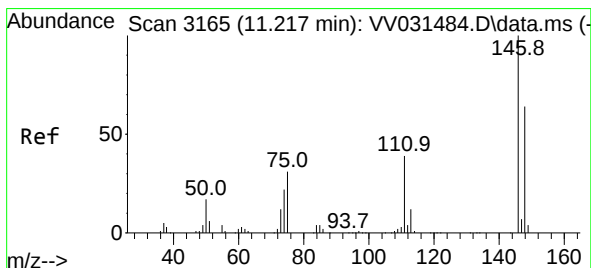
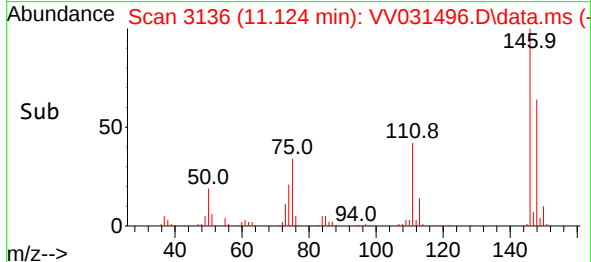
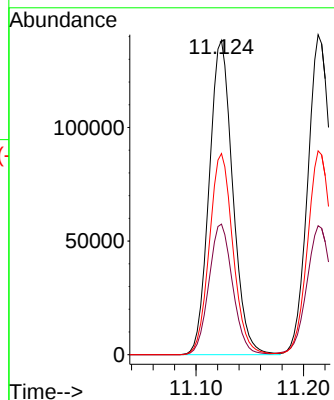
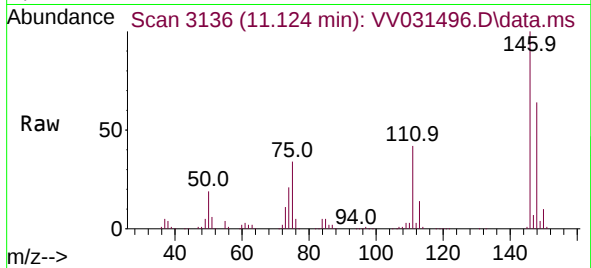




#64
1,3-Dichlorobenzene
Concen: 50.546 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

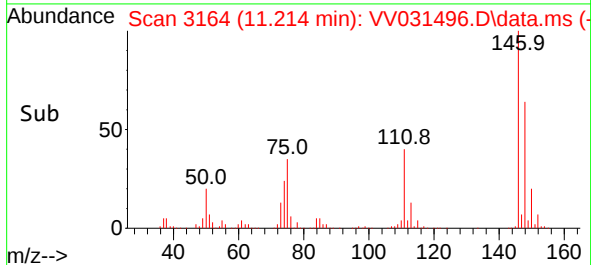
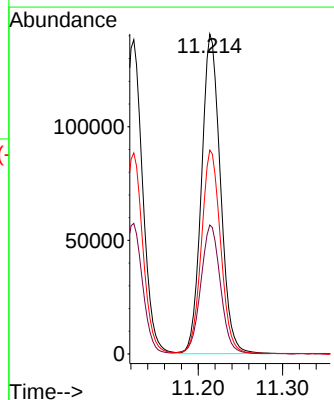
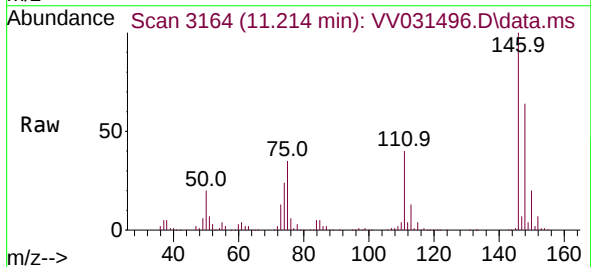
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

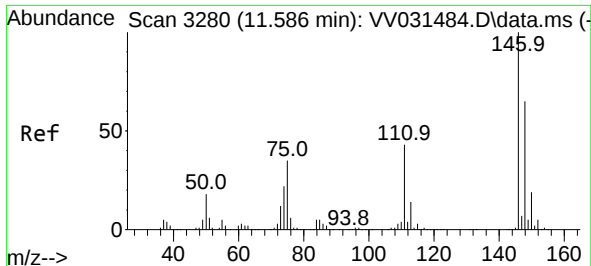
Tgt Ion:146 Resp: 210803
Ion Ratio Lower Upper
146 100
111 41.6 29.3 54.5
148 64.0 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 49.936 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion:146 Resp: 220280
Ion Ratio Lower Upper
146 100
111 40.3 28.1 52.3
148 63.7 45.1 83.7

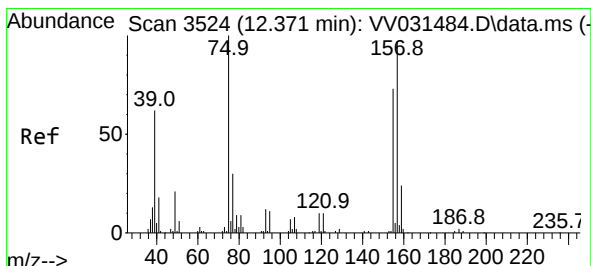
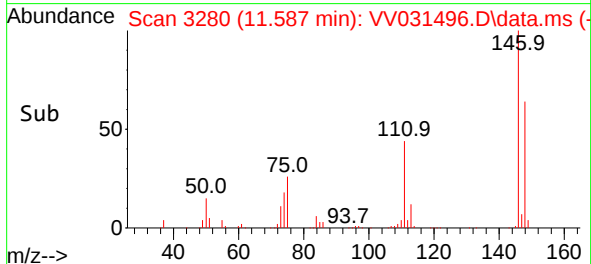
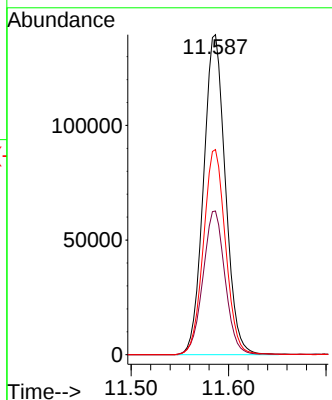
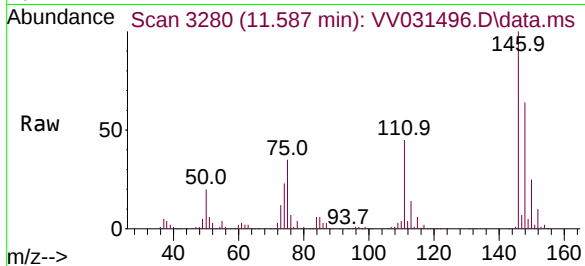




#67
1,2-Dichlorobenzene
Concen: 50.957 ug/L
RT: 11.587 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

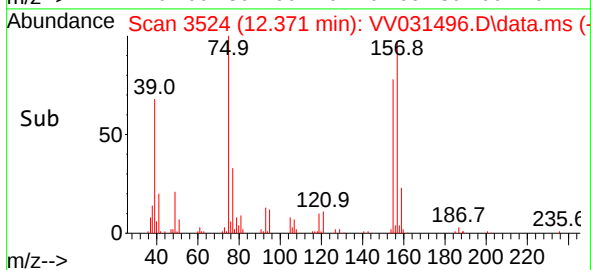
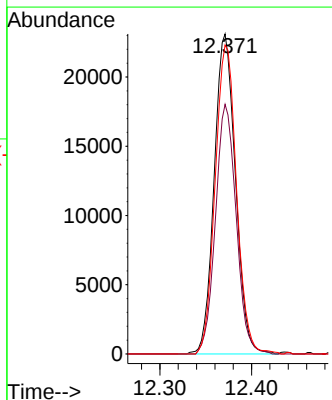
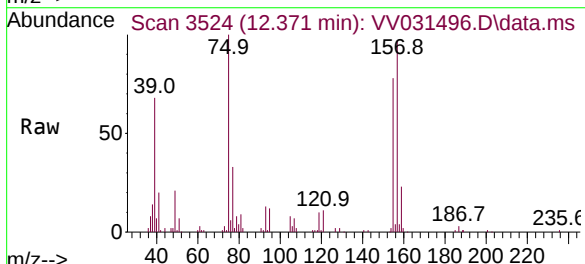
Instrument :
MSVOA_V
ClientSampleId :
VSTD050366

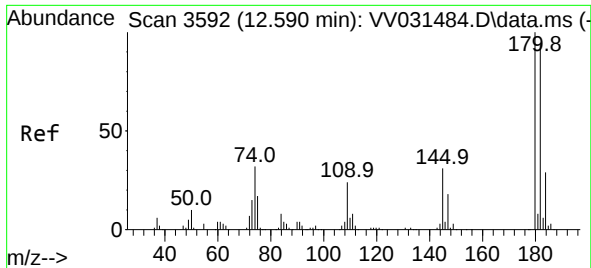
Tgt Ion:146 Resp: 217858
Ion Ratio Lower Upper
146 100
111 44.9 34.5 51.7
148 64.1 51.5 77.3



#68
1,2-Dibromo-3-chloropropane
Concen: 48.612 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. 0.000 min
Lab File: VV031496.D
Acq: 09 Jun 2023 15:58

Tgt Ion: 75 Resp: 37193
Ion Ratio Lower Upper
75 100
155 78.0 62.1 93.1
157 96.5 74.9 112.3

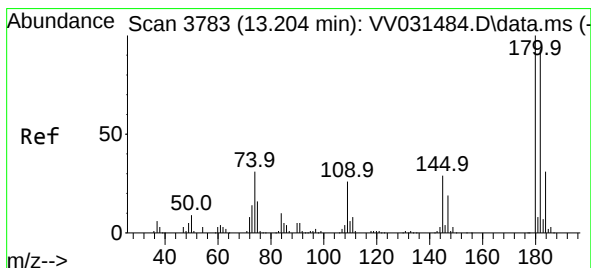
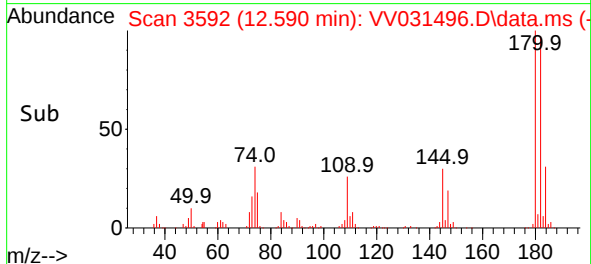
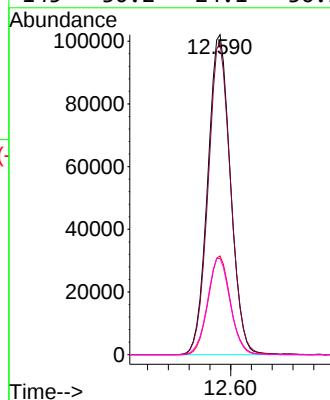
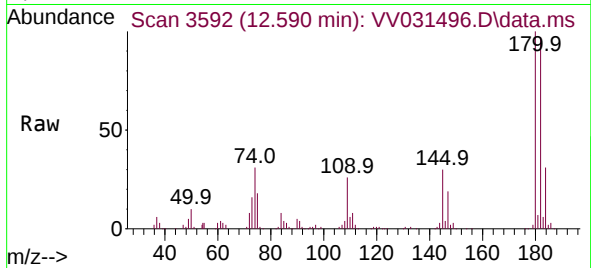




#69
 1,3,5-Trichlorobenzene
 Concen: 48.187 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031496.D
 Acq: 09 Jun 2023 15:58

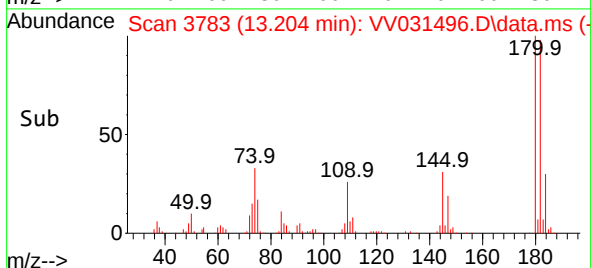
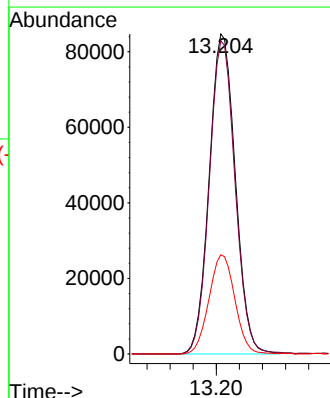
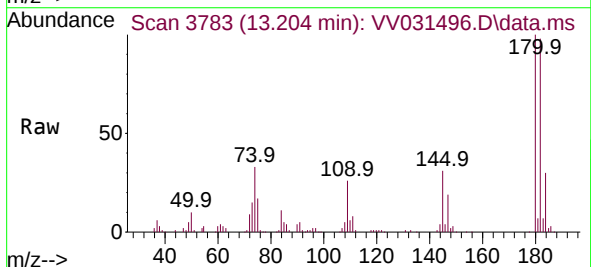
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050366

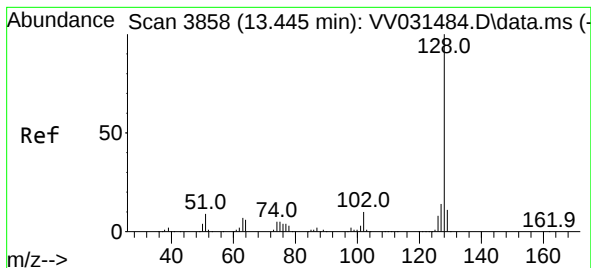
Tgt Ion:180 Resp: 154720
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.7 113.5
 184 30.3 23.9 35.9
 145 30.2 24.1 36.1



#70
 1,2,4-trichlorobenzene
 Concen: 48.611 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031496.D
 Acq: 09 Jun 2023 15:58

Tgt Ion:180 Resp: 133157
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.0 115.6
 145 30.7 24.2 36.2





#71

Naphthalene

Concen: 42.315 ug/L

RT: 13.445 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD050366

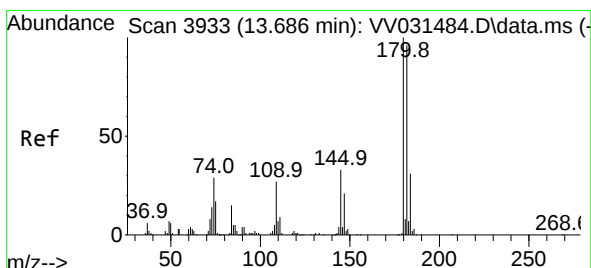
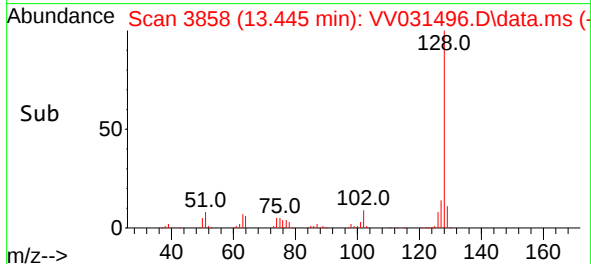
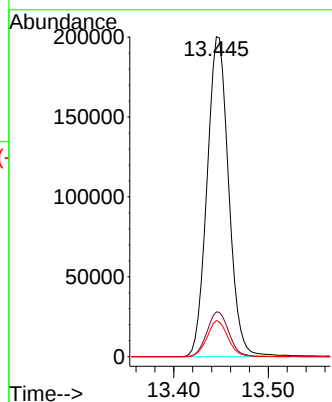
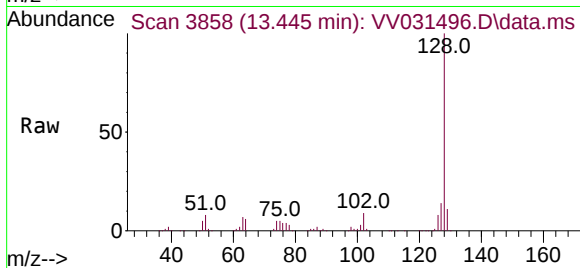
Tgt Ion:128 Resp: 317697

Ion Ratio Lower Upper

128 100

127 14.1 10.7 16.1

129 10.9 8.6 12.8



#72

1,2,3-Trichlorobenzene

Concen: 50.194 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.003 min

Lab File: VV031496.D

Acq: 09 Jun 2023 15:58

Tgt Ion:180 Resp: 137815

Ion Ratio Lower Upper

180 100

182 93.3 77.4 116.2

145 32.2 25.6 38.4

