

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070623\
 Data File : VW031654.D
 Acq On : 06 Jul 2023 15:00
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050385

Quant Time: Jul 07 02:37:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 07 02:34:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	208197	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	212975	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	132295	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	101740	73.426	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 146.860%	#	
7) Chloroethane-d5	1.529	69	75517	62.462	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 124.920%		
11) 1,1-Dichloroethene-d2	2.060	65	43082	60.328	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 120.660%		
21) 2-Butanone-d5	3.786	46	121973	108.713	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 108.710%		
24) Chloroform-d	4.252	84	187152	53.932	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 107.860%		
26) 1,2-Dichloroethane-d4	4.947	65	117305	54.028	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 108.060%		
32) Benzene-d6	4.963	84	328041	54.721	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 109.440%		
36) 1,2-Dichloropropane-d6	5.995	67	111185	52.329	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 104.660%		
41) Toluene-d8	7.249	98	309213	56.209	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 112.420%		
43) trans-1,3-Dichloroprop...	7.558	79	52760	50.937	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 101.880%		
47) 2-Hexanone-d5	8.030	63	80199	95.598	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 95.600%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	151677	47.294	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 94.580%		
66) 1,2-Dichlorobenzene-d4	11.567	152	117375	46.545	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 93.080%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	95537	43.262	ug/L	99
3) Chloromethane	1.217	50	101373	48.647	ug/L	99
5) Vinyl chloride	1.282	62	98270	47.572	ug/L	98
6) Bromomethane	1.484	94	55116	40.937	ug/L	96
8) Chloroethane	1.548	64	56556	42.390	ug/L	94
9) Trichlorofluoromethane	1.712	101	142558	41.482	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	84674	45.976	ug/L	98
12) 1,1-Dichloroethene	2.073	96	69573	45.162	ug/L	98
13) Acetone	2.114	43	107598	97.188	ug/L	94
14) Carbon disulfide	2.243	76	198051	42.502	ug/L	99
15) Methyl Acetate	2.375	43	97345	52.224	ug/L	97
16) Methylene chloride	2.449	84	85718	44.382	ug/L	95
17) trans-1,2-Dichloroethene	2.696	96	70198	43.654	ug/L	95
18) Methyl tert-butyl Ether	2.709	73	249118	46.429	ug/L	99
19) 1,1-Dichloroethane	3.114	63	161171	46.439	ug/L	99
20) cis-1,2-Dichloroethene	3.818	96	81215	46.735	ug/L	96
22) 2-Butanone	3.870	43	135526	97.990	ug/L	98
23) Bromochloromethane	4.150	128	41901	44.606	ug/L	95
25) Chloroform	4.281	83	163803	45.402	ug/L	99

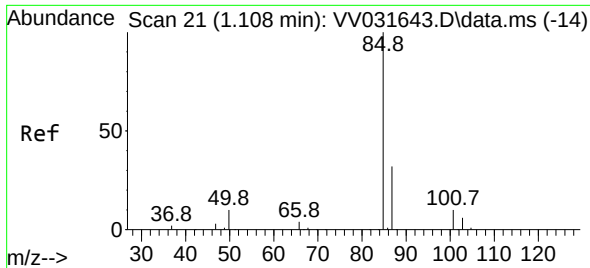
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 07 02:34:55 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	132510	47.589	ug/L	100
29) Cyclohexane	4.587	56	119479	43.120	ug/L	96
30) 1,1,1-Trichloroethane	4.519	97	149416	43.758	ug/L	98
31) Carbon tetrachloride	4.738	117	132534	43.806	ug/L	99
33) Benzene	5.015	78	315369	44.476	ug/L	100
34) Trichloroethene	5.838	95	85235	44.984	ug/L	90
35) Methylcyclohexane	6.056	83	120858	43.290	ug/L	98
37) 1,2-Dichloropropane	6.098	63	90845	43.630	ug/L	100
38) Bromodichloromethane	6.436	83	124001	44.060	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	131132	42.426	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	258873	105.883	ug/L	98
42) Toluene	7.320	91	331469	45.086	ug/L	98
44) trans-1,3-Dichloropropene	7.584	75	140530	46.689	ug/L	100
45) 1,1,2-Trichloroethane	7.773	97	88900	45.197	ug/L	96
46) Tetrachloroethene	7.912	164	63055	42.401	ug/L	99
48) 2-Hexanone	8.079	43	212858	109.011	ug/L	95
49) Dibromochloromethane	8.182	129	96496	44.141	ug/L	99
50) 1,2-Dibromoethane	8.288	107	91321	43.603	ug/L	100
51) Chlorobenzene	8.818	112	212696	43.682	ug/L	99
52) Ethylbenzene	8.953	91	362379	44.174	ug/L	100
53) m,p-Xylene	9.079	106	134470	44.760	ug/L	97
54) o-Xylene	9.484	106	128367	45.026	ug/L	99
55) Styrene	9.500	104	242179	47.565	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	141417	44.003	ug/L	93
59) Bromoform	9.670	173	74572	45.474	ug/L #	100
60) Isopropylbenzene	9.873	105	357865	42.431	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	116524	44.594	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	292428	41.951	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	272316	41.927	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	179846	42.532	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	189772	42.116	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	182816	42.836	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	35556	45.846	ug/L	89
69) 1,3,5-Trichlorobenzene	12.590	180	135228	41.970	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	123386	43.689	ug/L	97
71) Naphthalene	13.445	128	335223	46.861	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	138901	47.329	ug/L	98

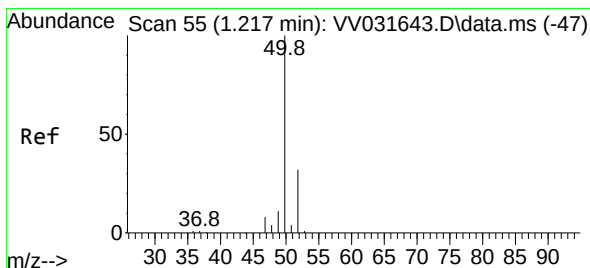
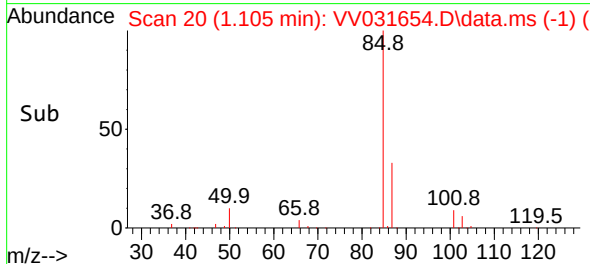
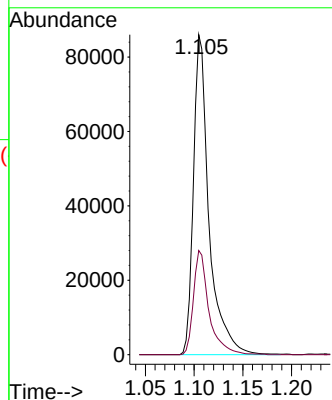
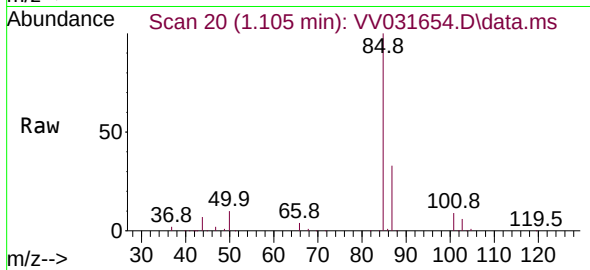
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#2
Dichlorodifluoromethane
Concen: 43.262 ug/L
RT: 1.105 min Scan# 20
Delta R.T. -0.003 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

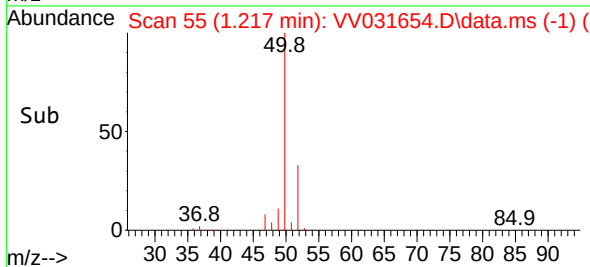
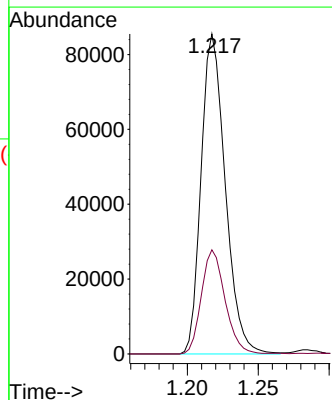
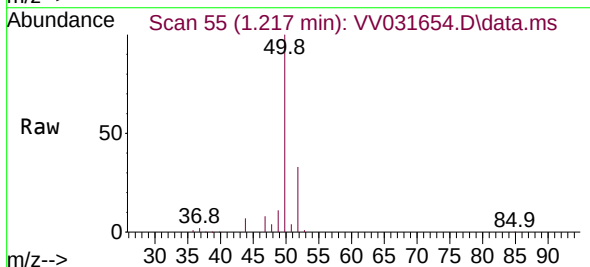
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

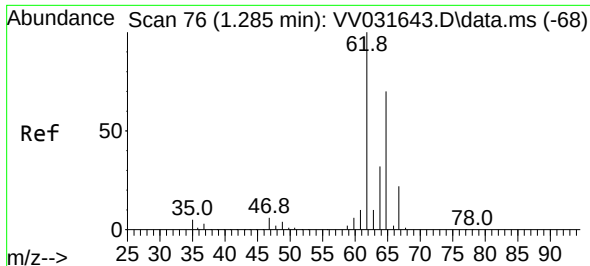
Tgt Ion: 85 Resp: 95537
Ion Ratio Lower Upper
85 100
87 32.5 25.5 38.3



#3
Chloromethane
Concen: 48.647 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 50 Resp: 101373
Ion Ratio Lower Upper
50 100
52 32.5 22.3 41.5

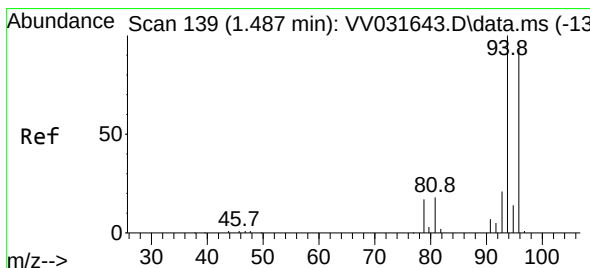
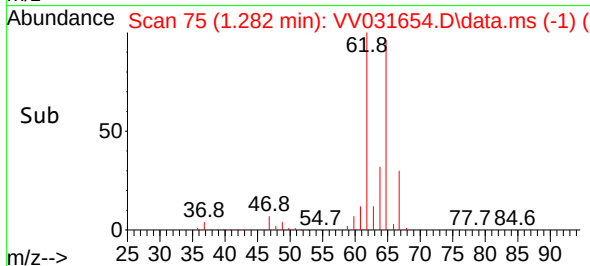
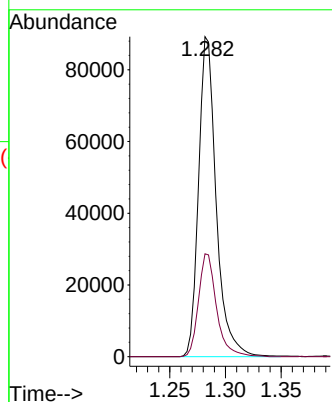
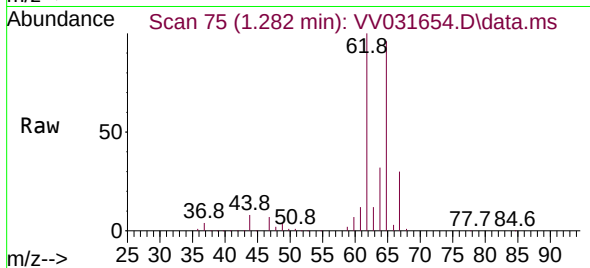




#5
 Vinyl chloride
 Concen: 47.572 ug/L
 RT: 1.282 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV031654.D
 Acq: 06 Jul 2023 15:00

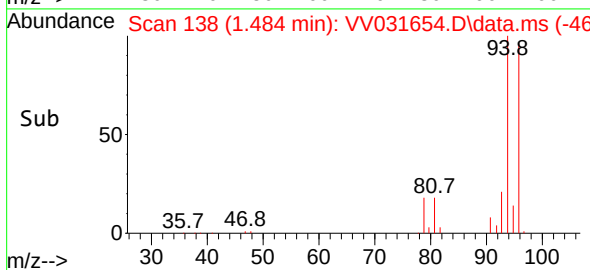
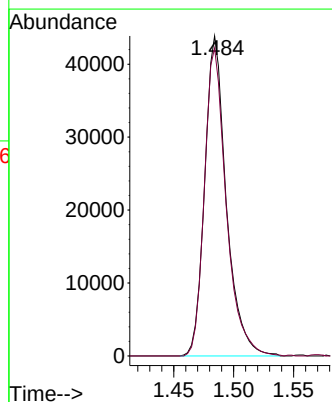
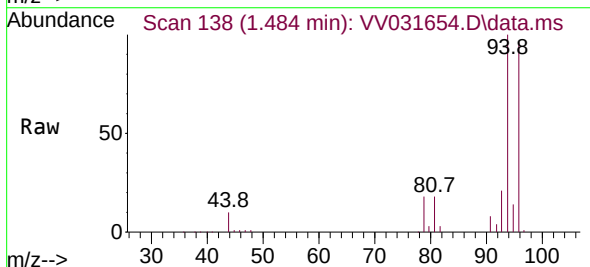
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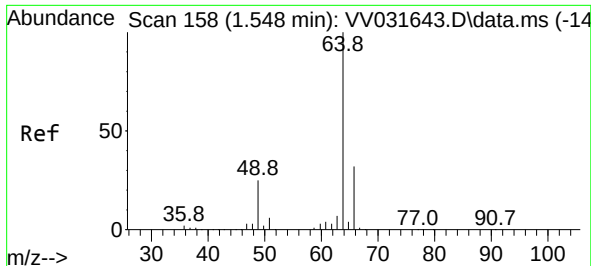
Tgt Ion: 62 Resp: 98270
 Ion Ratio Lower Upper
 62 100
 64 32.2 23.4 43.4



#6
 Bromomethane
 Concen: 40.937 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. -0.003 min
 Lab File: VV031654.D
 Acq: 06 Jul 2023 15:00

Tgt Ion: 94 Resp: 55116
 Ion Ratio Lower Upper
 94 100
 96 97.3 65.4 121.4

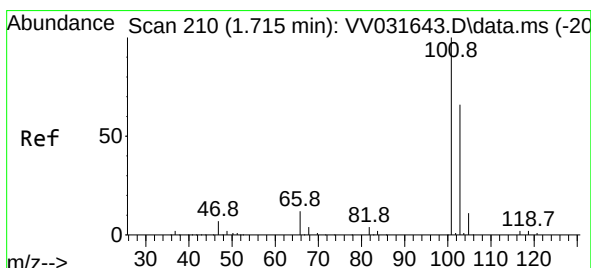
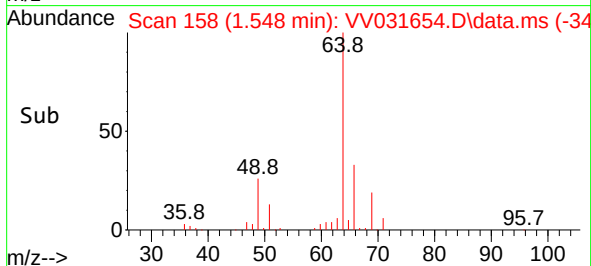
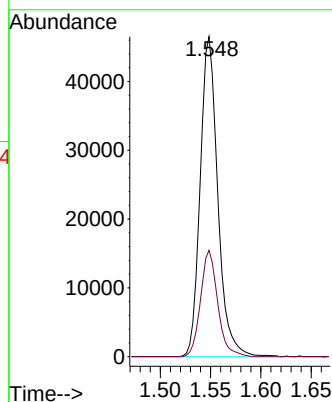
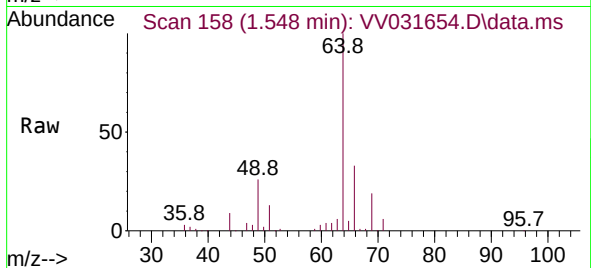




#8
Chloroethane
Concen: 42.390 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

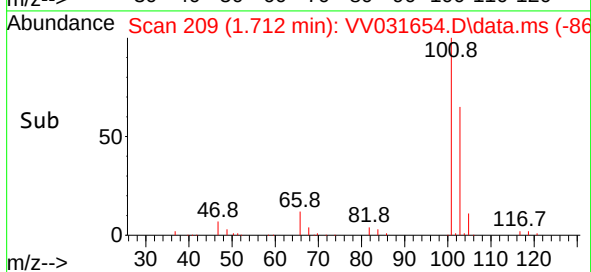
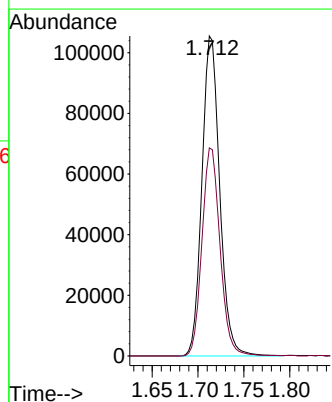
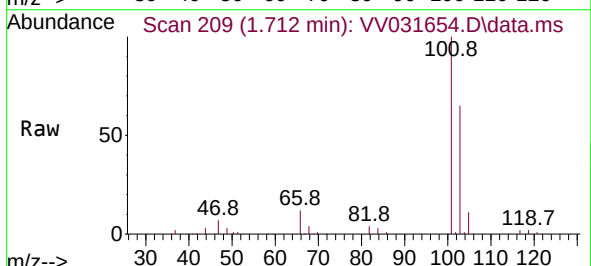
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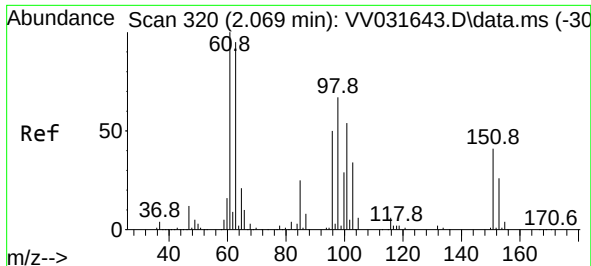
Tgt Ion: 64 Resp: 56556
Ion Ratio Lower Upper
64 100
66 33.3 21.0 39.0



#9
Trichlorofluoromethane
Concen: 41.482 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion:101 Resp: 142558
Ion Ratio Lower Upper
101 100
103 65.9 50.9 76.3

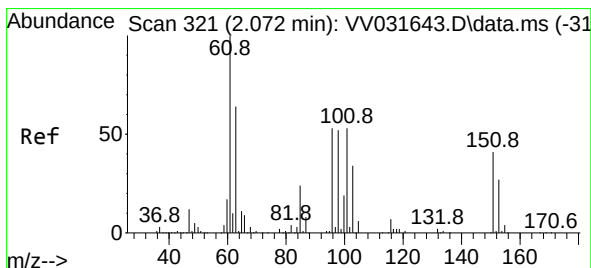
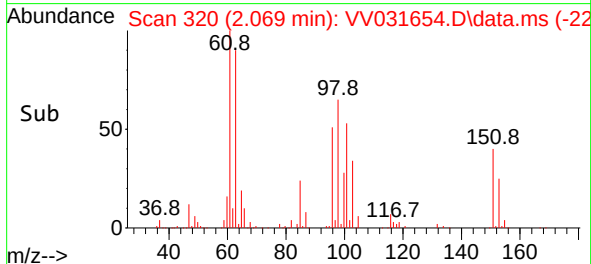
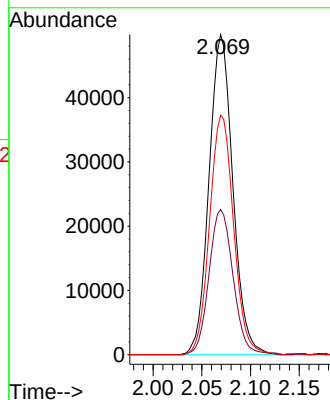
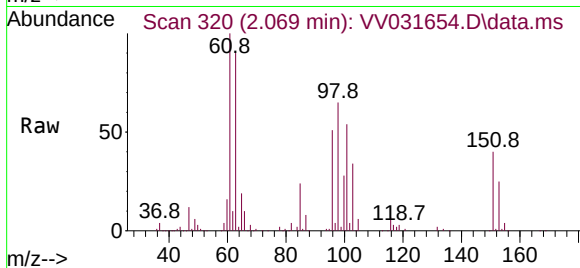




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 45.976 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031654.D
 Acq: 06 Jul 2023 15:00

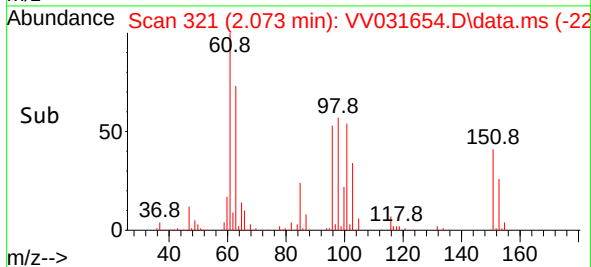
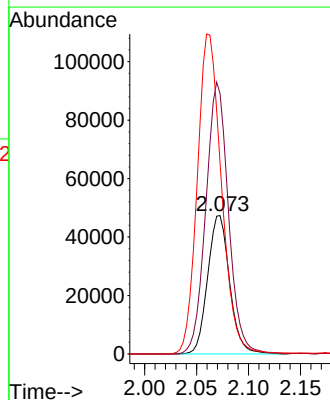
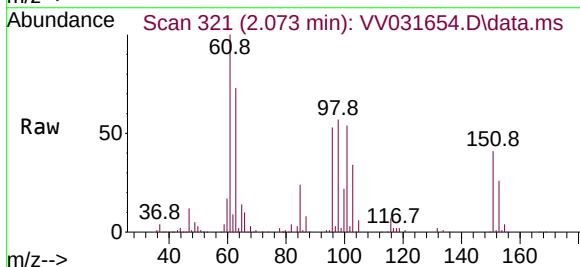
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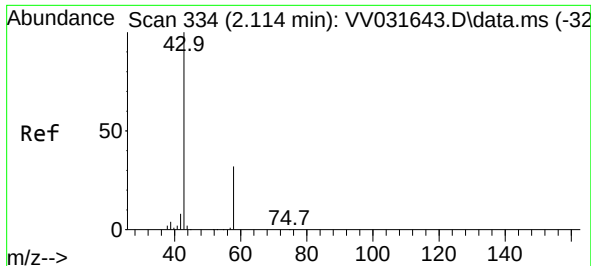
Tgt Ion:101 Resp: 84674
 Ion Ratio Lower Upper
 101 100
 85 45.7 37.4 56.0
 151 75.6 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 45.162 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031654.D
 Acq: 06 Jul 2023 15:00

Tgt Ion: 96 Resp: 69573
 Ion Ratio Lower Upper
 96 100
 61 188.1 128.9 239.5
 63 138.2 95.3 177.1





#13

Acetone

Concen: 97.188 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

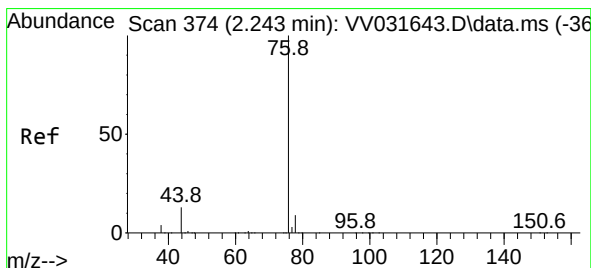
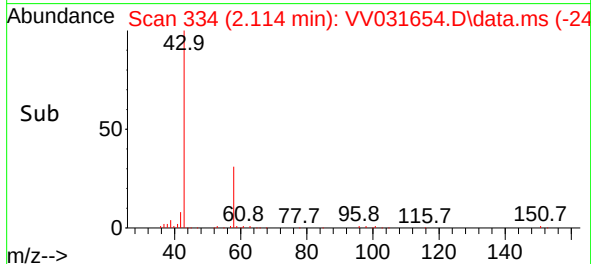
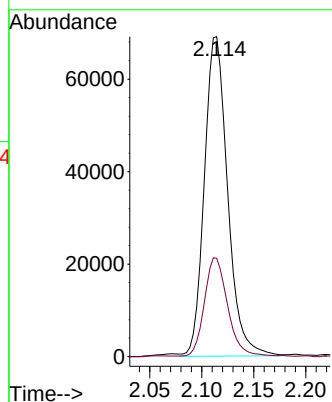
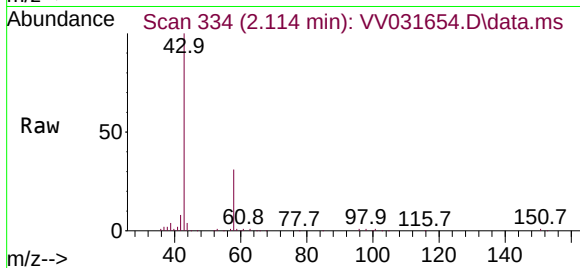
VSTD050385

Tgt Ion: 43 Resp: 107598

Ion Ratio Lower Upper

43 100

58 31.1 0.0 68.6



#14

Carbon disulfide

Concen: 42.502 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031654.D

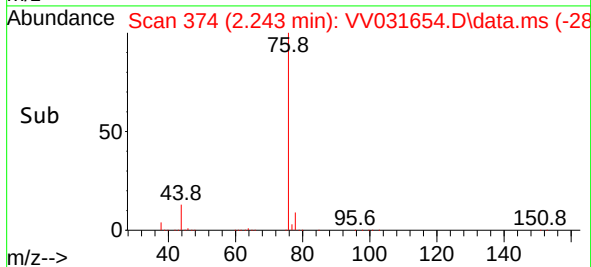
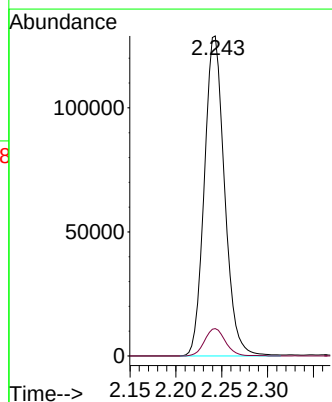
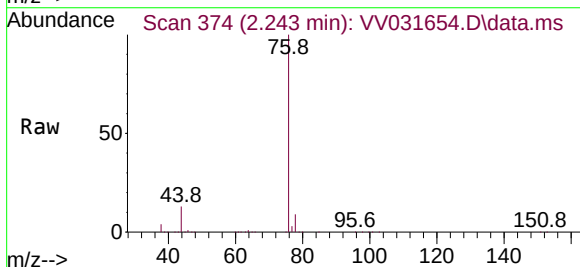
Acq: 06 Jul 2023 15:00

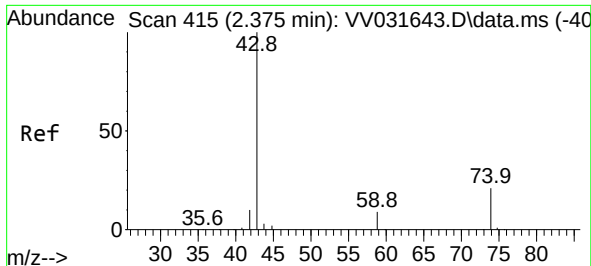
Tgt Ion: 76 Resp: 198051

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7

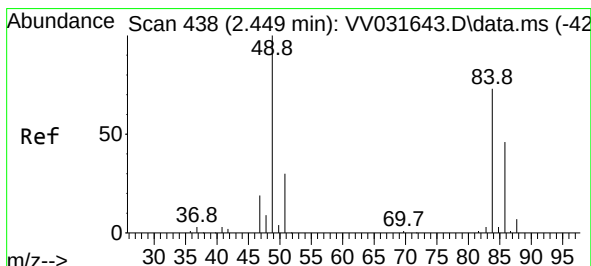
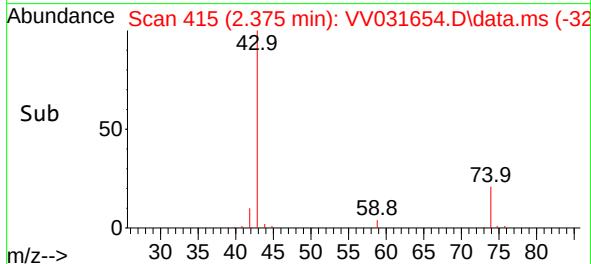
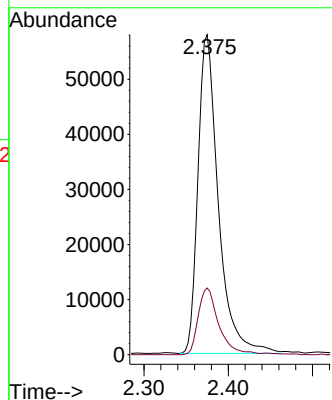
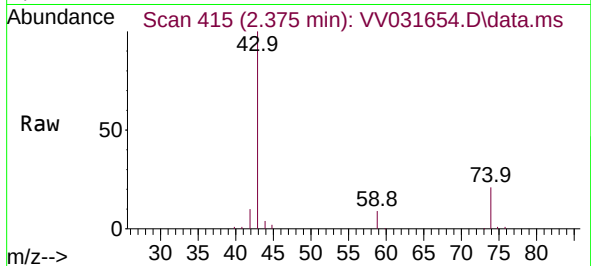




#15
Methyl Acetate
Concen: 52.224 ug/L
RT: 2.375 min Scan# 415
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

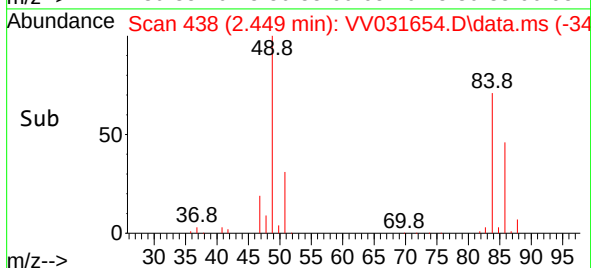
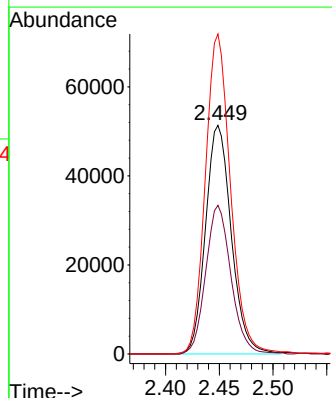
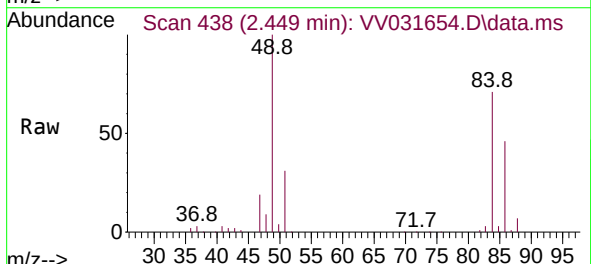
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

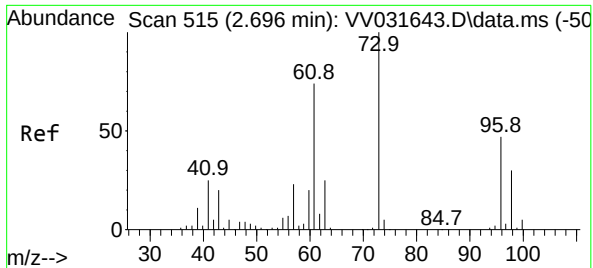
Tgt Ion: 43 Resp: 97345
Ion Ratio Lower Upper
43 100
74 20.5 17.8 26.6



#16
Methylene chloride
Concen: 44.382 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 84 Resp: 85718
Ion Ratio Lower Upper
84 100
86 65.0 45.8 85.0
49 139.9 92.1 171.1





#17

trans-1,2-Dichloroethene

Concen: 43.654 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

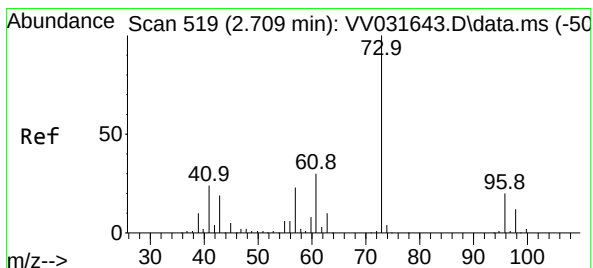
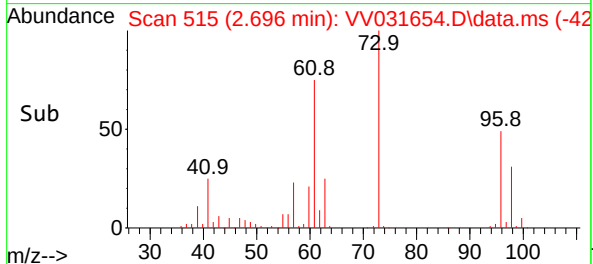
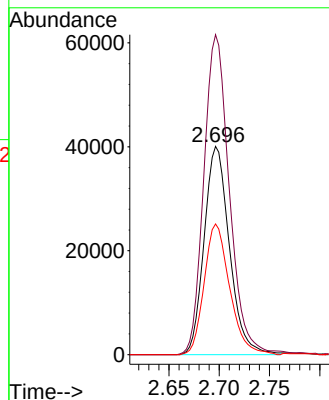
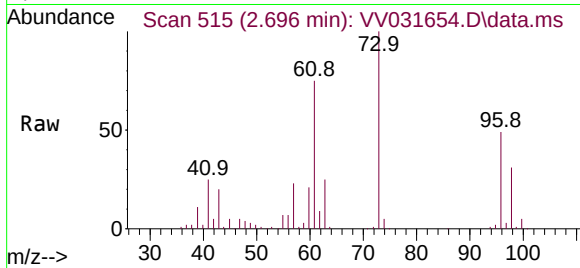
Tgt Ion: 96 Resp: 70198

Ion Ratio Lower Upper

96 100

61 153.7 102.5 190.3

98 65.0 44.1 81.9



#18

Methyl tert-butyl Ether

Concen: 46.429 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

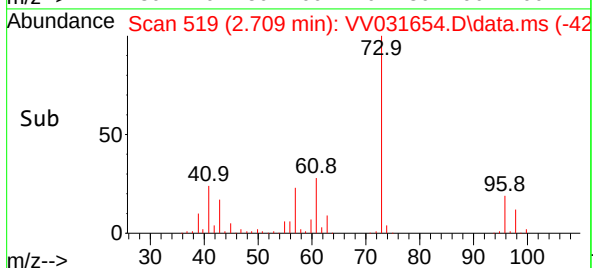
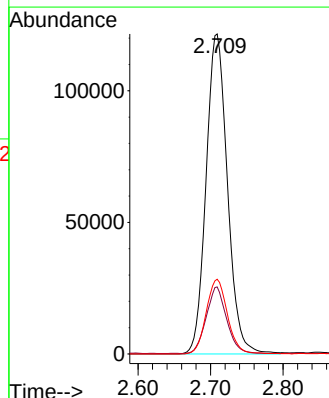
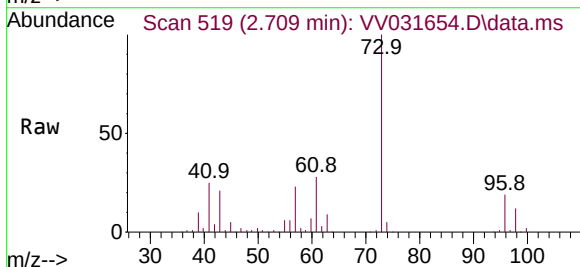
Tgt Ion: 73 Resp: 249118

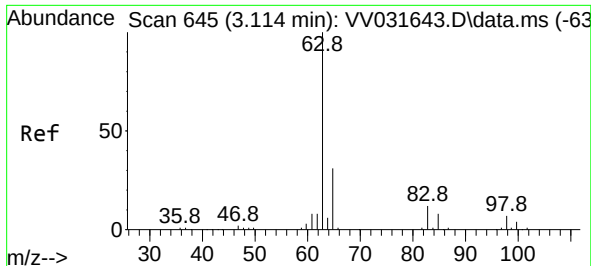
Ion Ratio Lower Upper

73 100

43 19.8 15.0 22.4

57 23.0 18.2 27.4

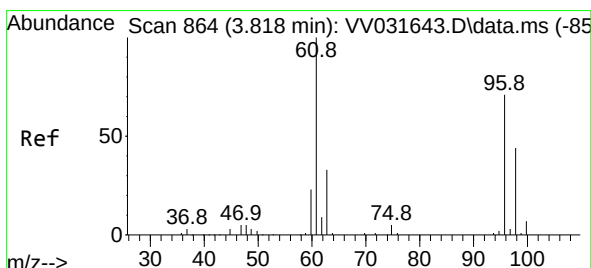
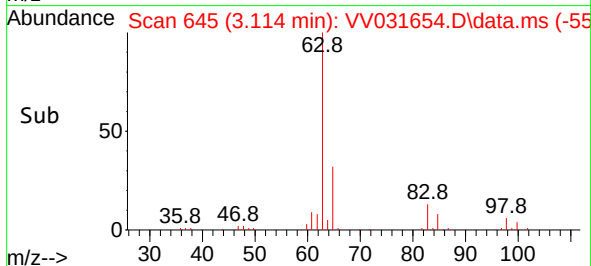
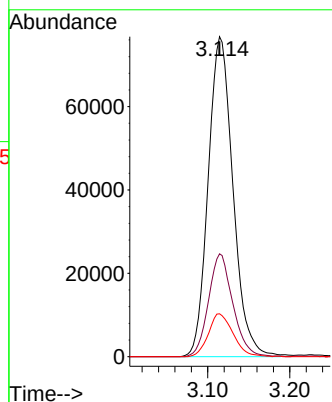
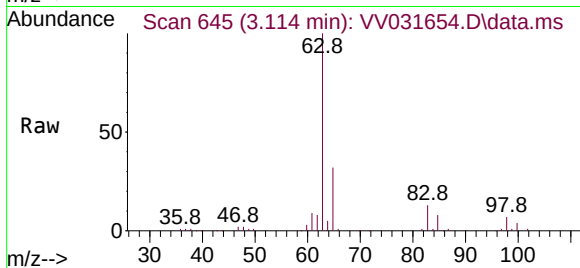




#19
1,1-Dichloroethane
Concen: 46.439 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

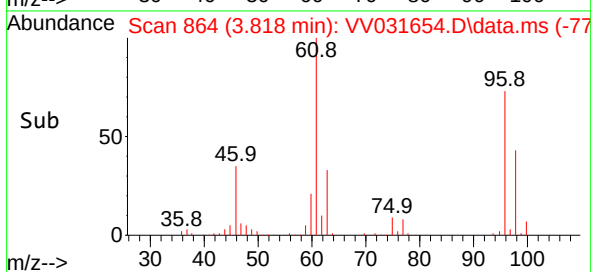
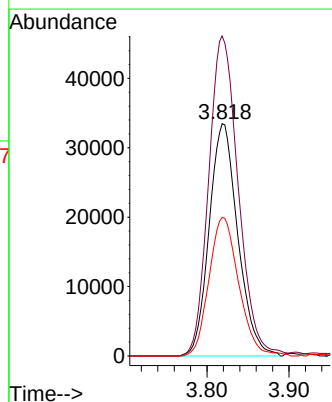
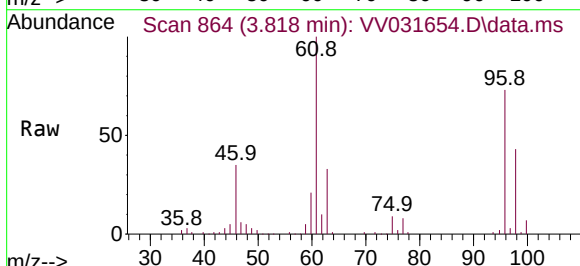
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

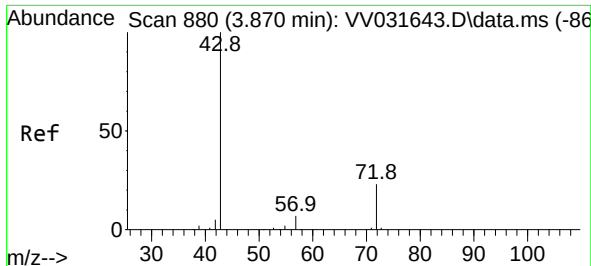
Tgt Ion: 63 Resp: 161171
Ion Ratio Lower Upper
63 100
65 32.1 22.5 41.7
83 13.4 10.0 18.6



#20
cis-1,2-Dichloroethene
Concen: 46.735 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 96 Resp: 81215
Ion Ratio Lower Upper
96 100
61 137.8 98.6 183.0
98 59.7 45.7 84.9

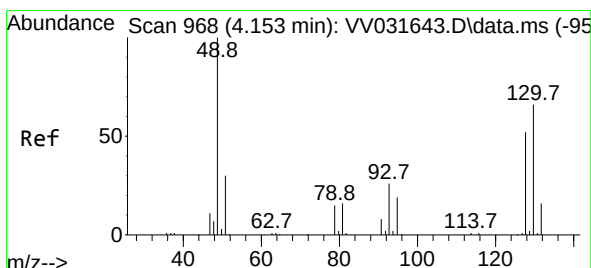
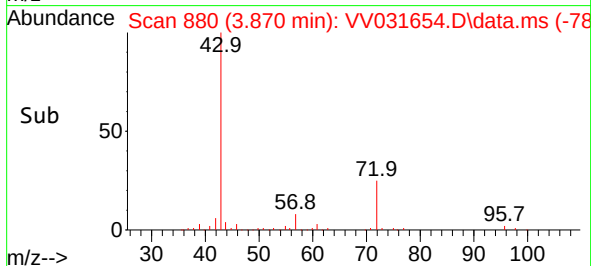
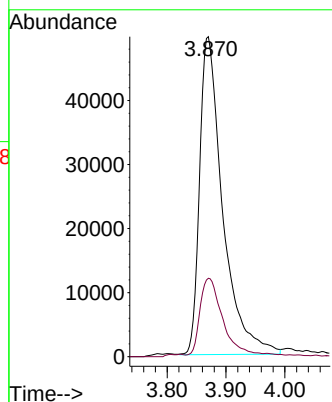
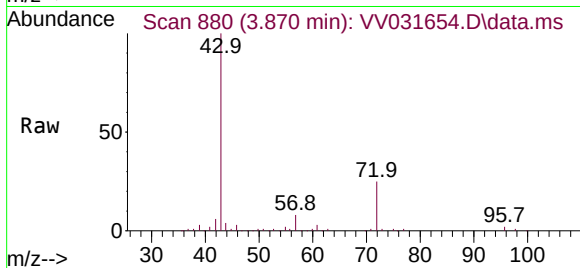




#22
2-Butanone
Concen: 97.990 ug/L
RT: 3.870 min Scan# 880
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

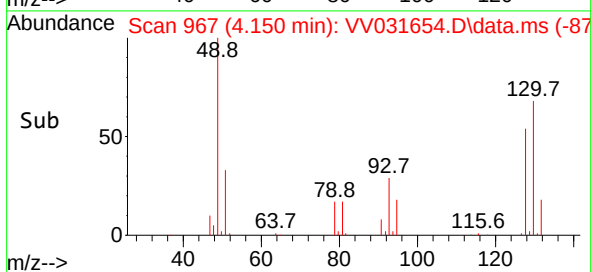
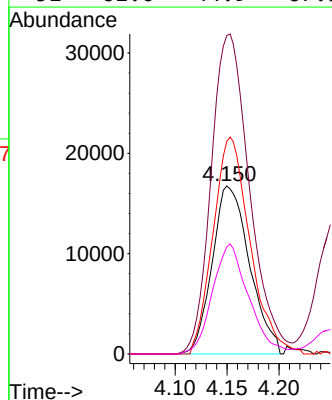
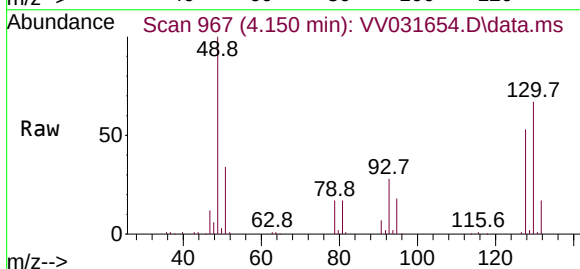
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

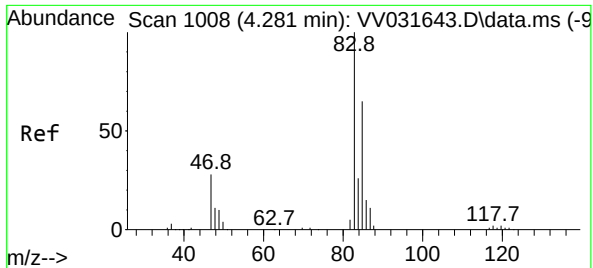
Tgt Ion: 43 Resp: 135526
Ion Ratio Lower Upper
43 100
72 23.5 12.2 36.4



#23
Bromochloromethane
Concen: 44.606 ug/L
RT: 4.150 min Scan# 967
Delta R.T. -0.003 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion:128 Resp: 41901
Ion Ratio Lower Upper
128 100
49 181.4 120.6 224.0
130 122.8 88.1 163.7
51 61.0 44.9 67.3

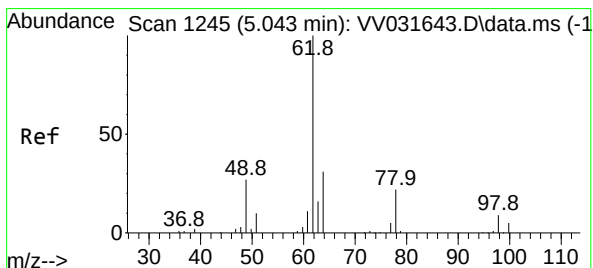
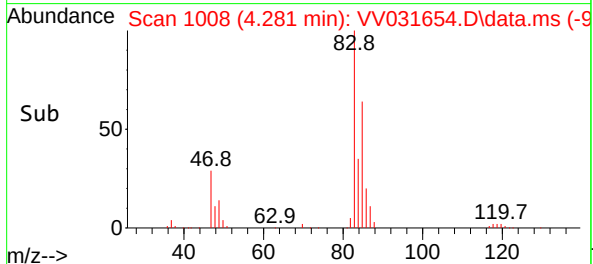
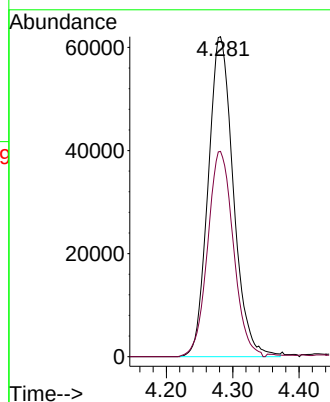
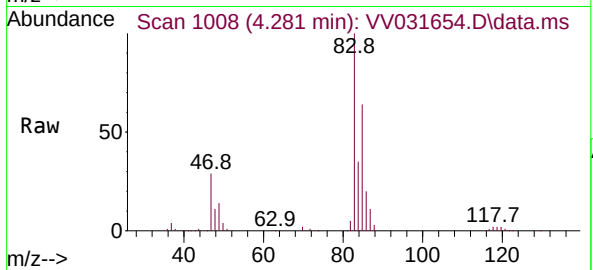




#25
Chloroform
Concen: 45.402 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

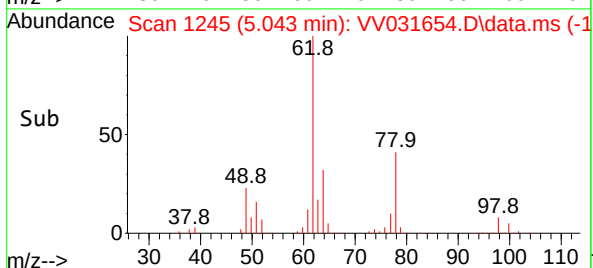
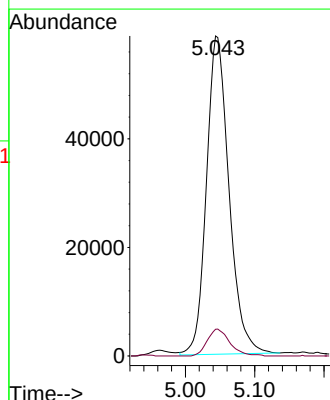
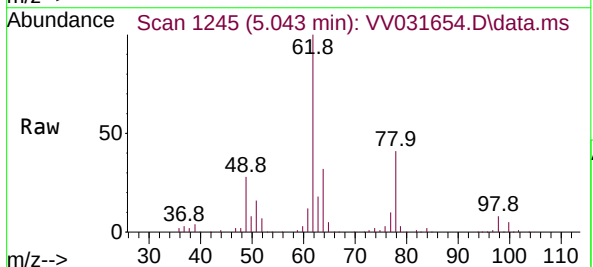
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

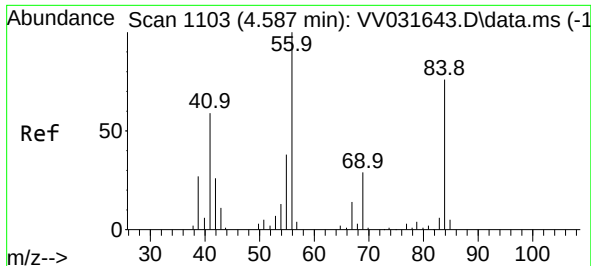
Tgt Ion: 83 Resp: 163803
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 47.589 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 62 Resp: 132510
Ion Ratio Lower Upper
62 100
98 8.3 6.6 9.8

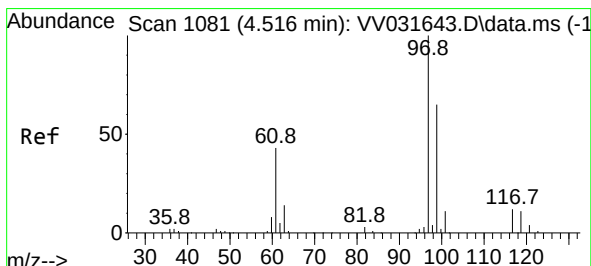
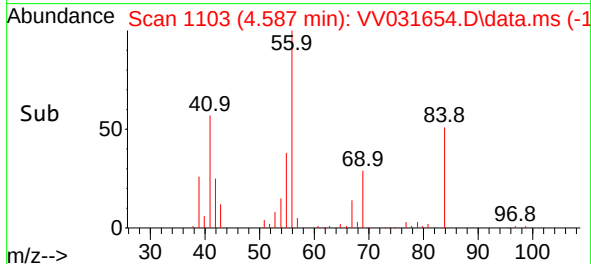
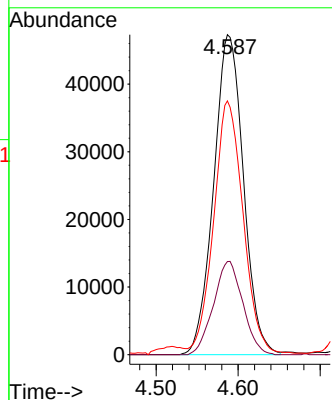
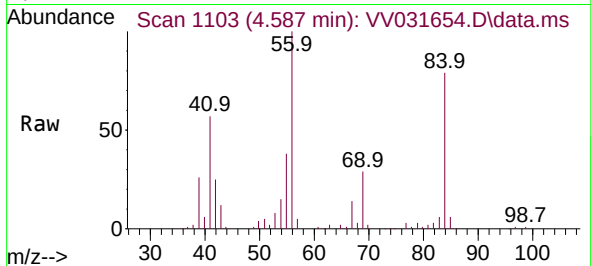




#29
Cyclohexane
Concen: 43.120 ug/L
RT: 4.587 min Scan# 1103
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

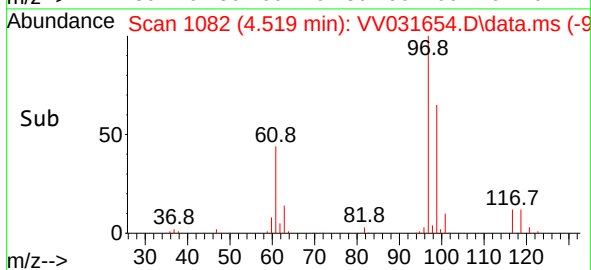
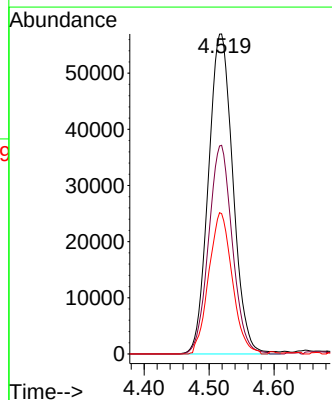
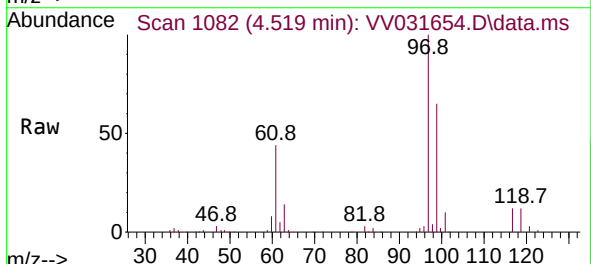
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

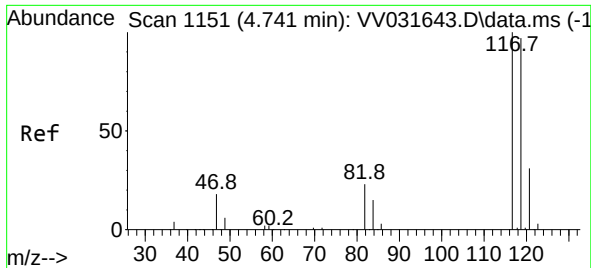
Tgt Ion: 56 Resp: 119479
Ion Ratio Lower Upper
56 100
69 28.7 24.3 36.5
84 77.6 65.0 97.6



#30
1,1,1-Trichloroethane
Concen: 43.758 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. 0.003 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 97 Resp: 149416
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.6
61 42.3 33.0 49.6

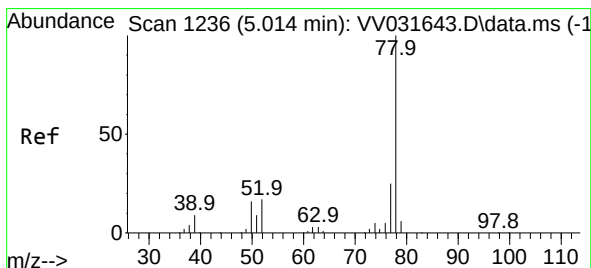
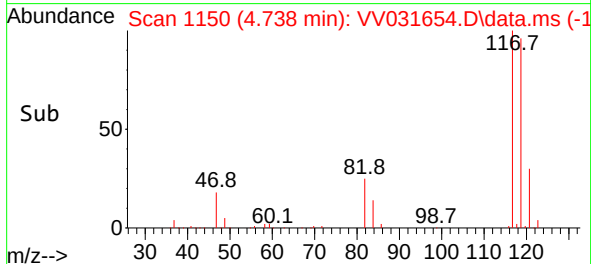
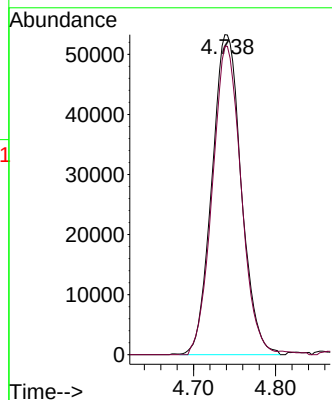
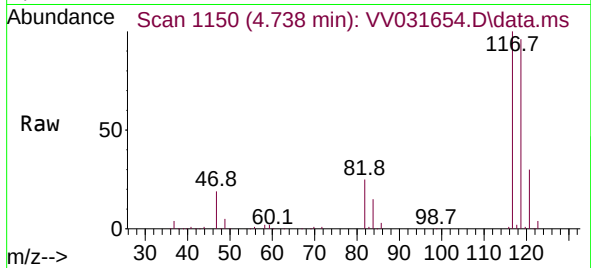




#31
Carbon tetrachloride
Concen: 43.806 ug/L
RT: 4.738 min Scan# 1151
Delta R.T. -0.003 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

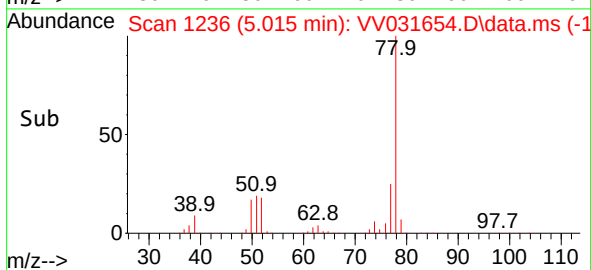
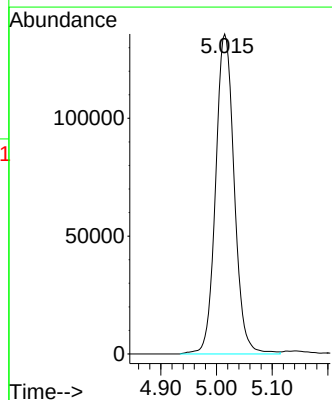
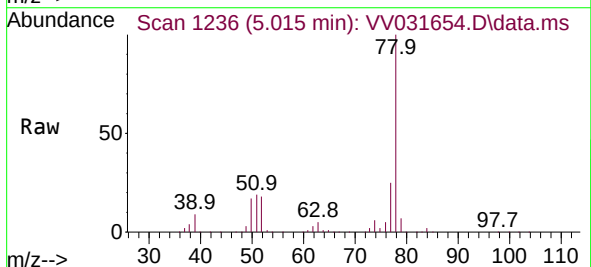
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

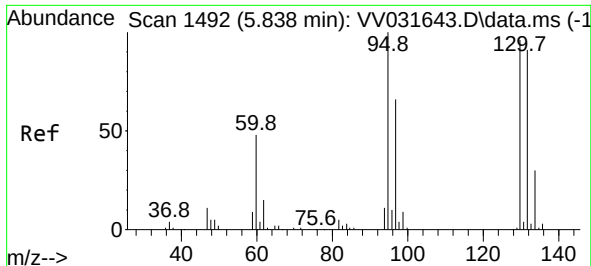
Tgt Ion:117 Resp: 132534
Ion Ratio Lower Upper
117 100
119 94.5 76.2 114.4



#33
Benzene
Concen: 44.476 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 78 Resp: 315369

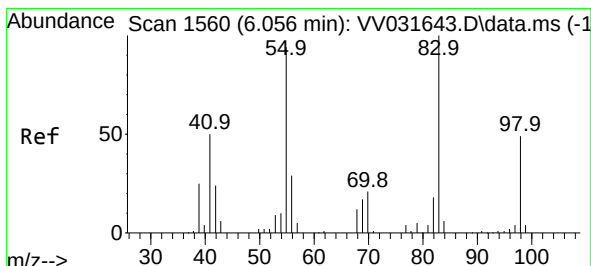
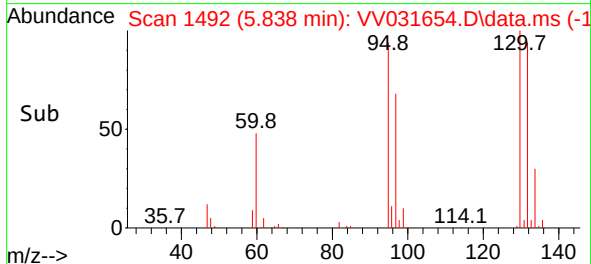
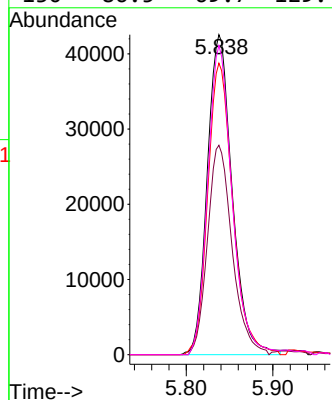
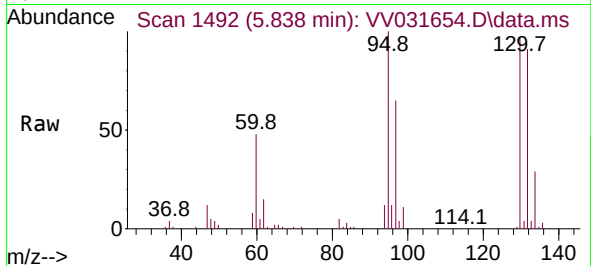




#34
Trichloroethene
Concen: 44.984 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

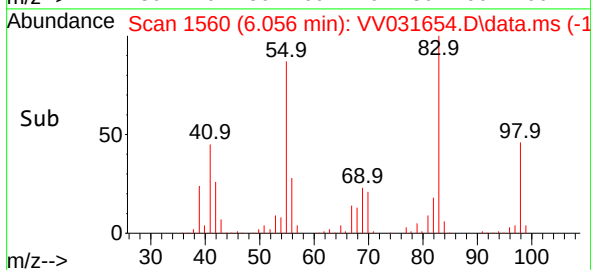
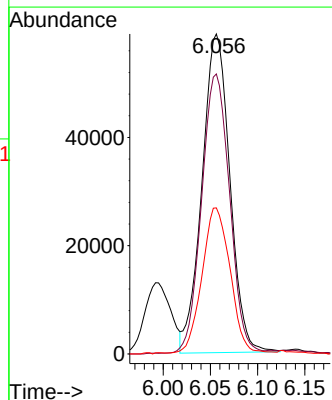
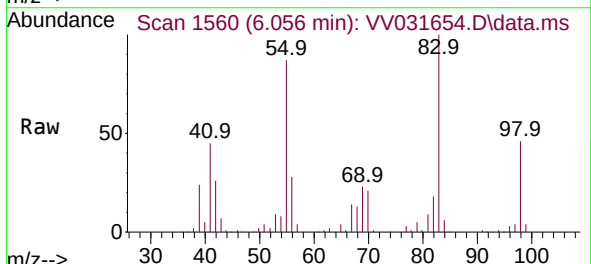
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

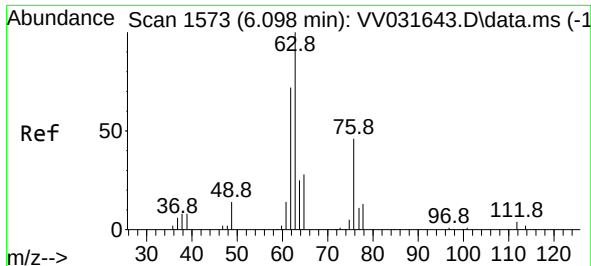
Tgt Ion: 95 Resp: 85235
Ion Ratio Lower Upper
95 100
97 62.0 46.8 86.8
132 85.3 66.4 123.2
130 86.5 69.7 129.4



#35
Methylcyclohexane
Concen: 43.290 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 83 Resp: 120858
Ion Ratio Lower Upper
83 100
55 88.2 68.7 103.1
98 45.9 37.0 55.4





#37

1,2-Dichloropropane

Concen: 43.630 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

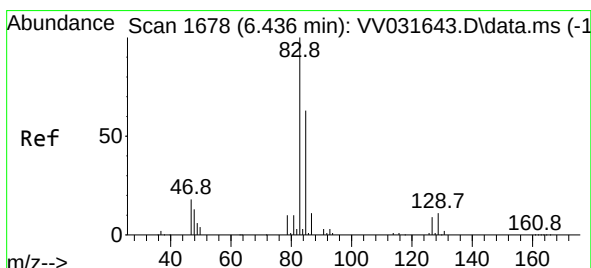
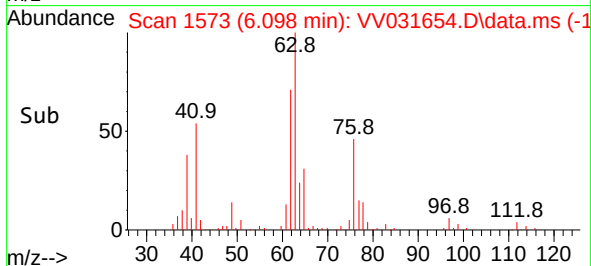
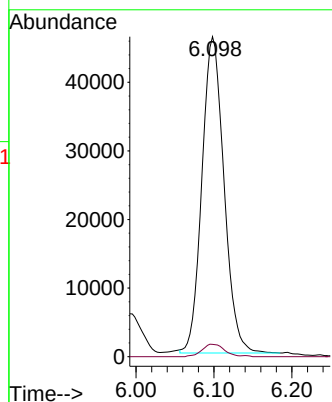
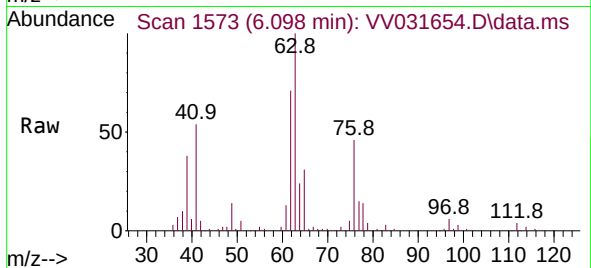
VSTD050385

Tgt Ion: 63 Resp: 90845

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 44.060 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

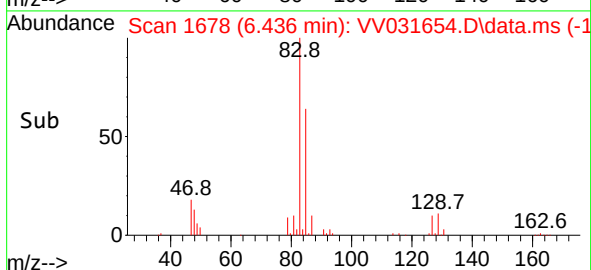
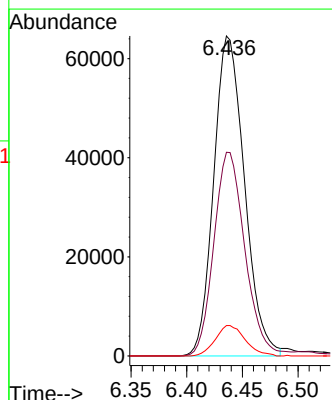
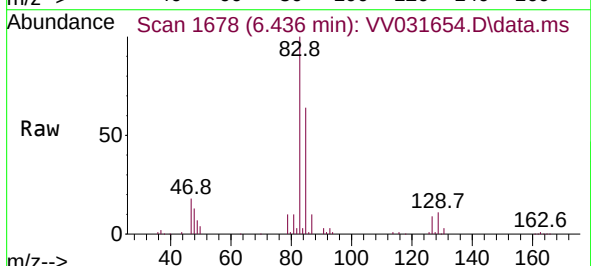
Tgt Ion: 83 Resp: 124001

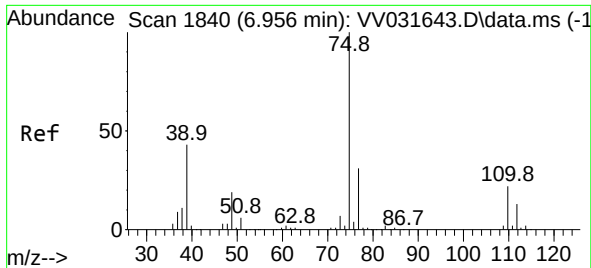
Ion Ratio Lower Upper

83 100

85 63.6 45.3 84.1

127 10.5 7.6 11.4





#39

cis-1,3-Dichloropropene

Concen: 42.426 ug/L

RT: 6.960 min Scan# 1840

Delta R.T. 0.003 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

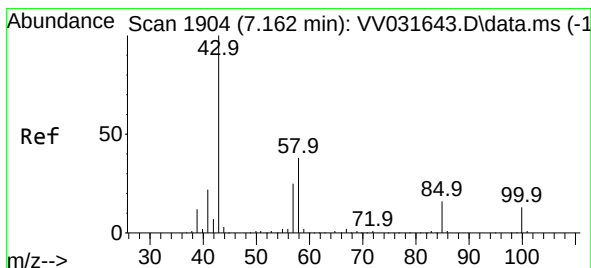
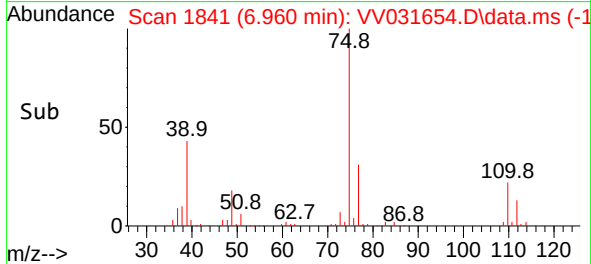
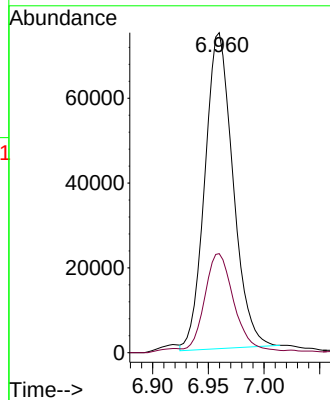
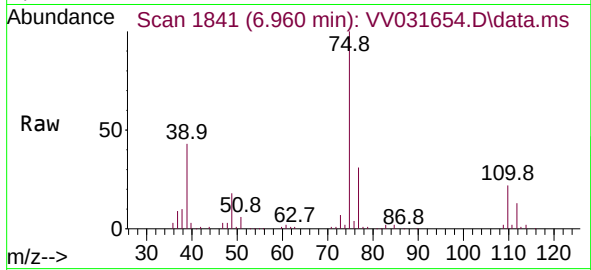
VSTD050385

Tgt Ion: 75 Resp: 131132

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 105.883 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

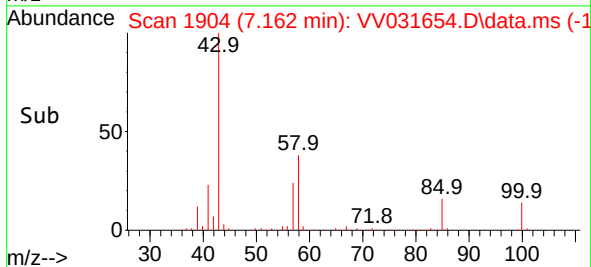
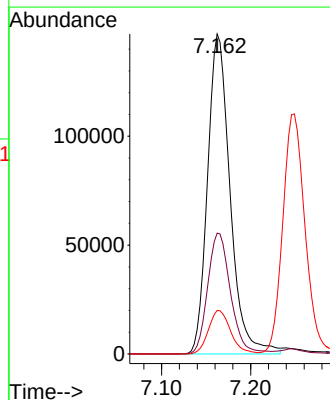
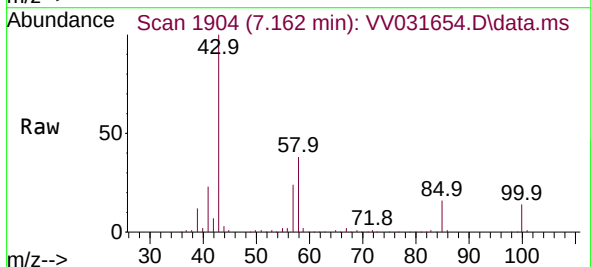
Tgt Ion: 43 Resp: 258873

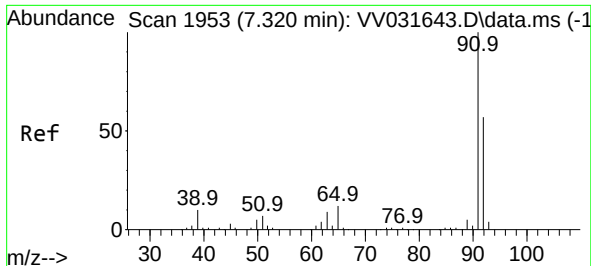
Ion Ratio Lower Upper

43 100

58 38.2 31.8 47.8

100 13.4 11.1 16.7





#42

Toluene

Concen: 45.086 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

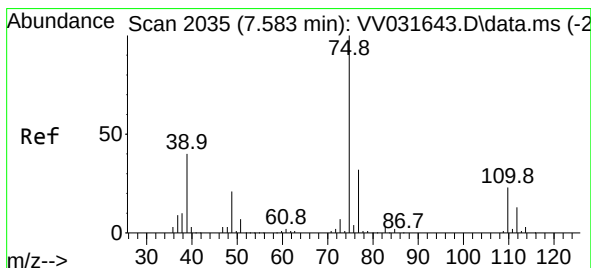
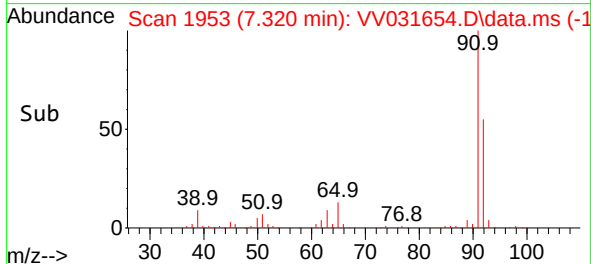
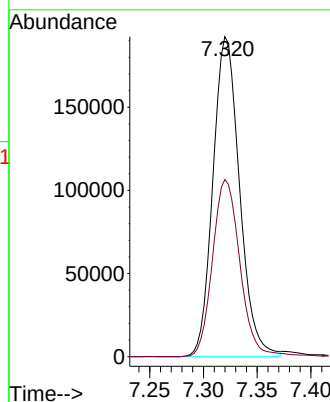
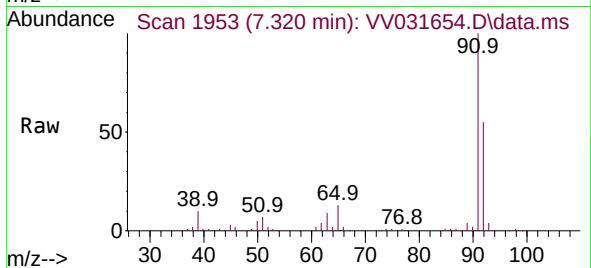
VSTD050385

Tgt Ion: 91 Resp: 331469

Ion Ratio Lower Upper

91 100

92 55.4 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 46.689 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. 0.000 min

Lab File: VV031654.D

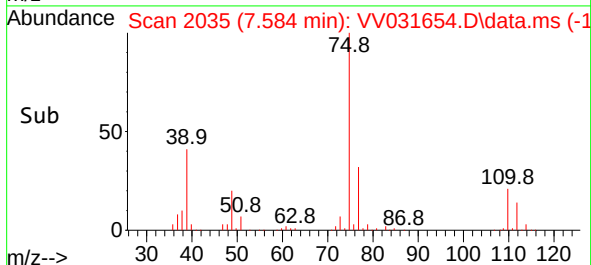
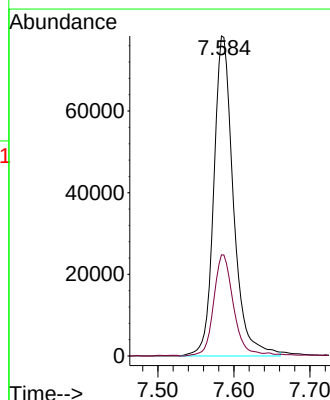
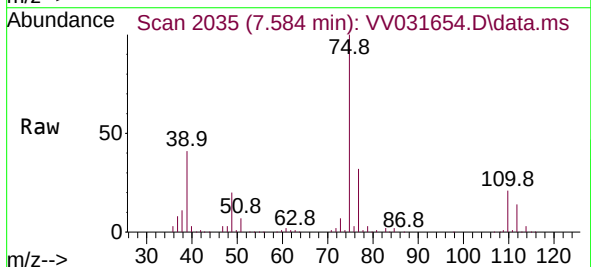
Acq: 06 Jul 2023 15:00

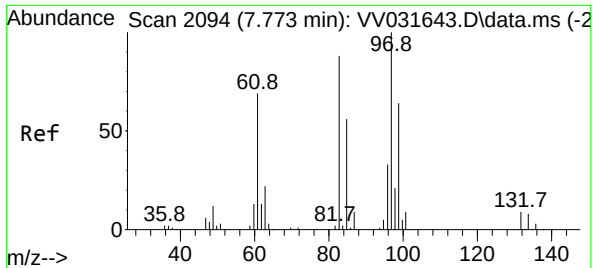
Tgt Ion: 75 Resp: 140530

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1

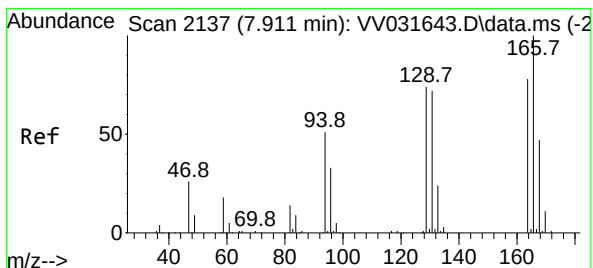
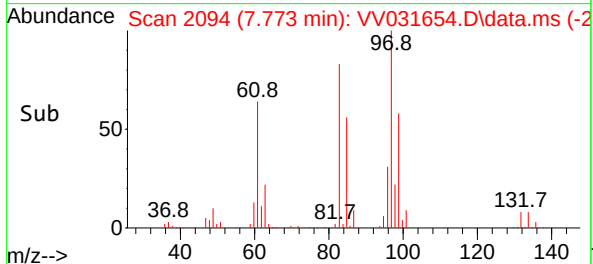
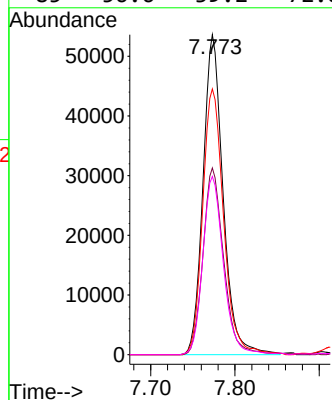
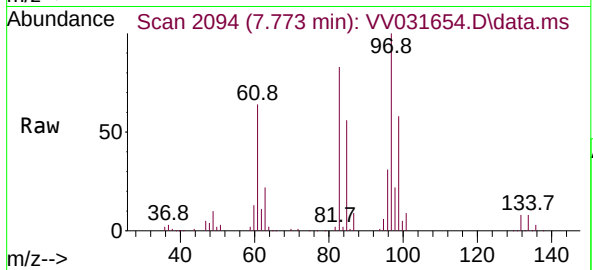




#45
1,1,2-Trichloroethane
Concen: 45.197 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

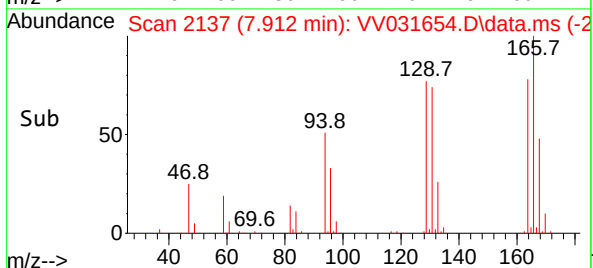
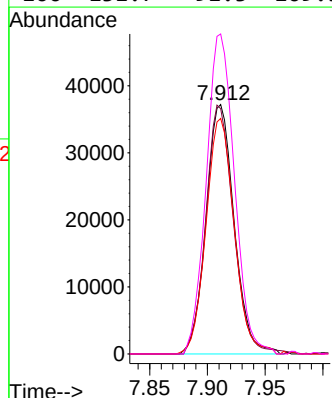
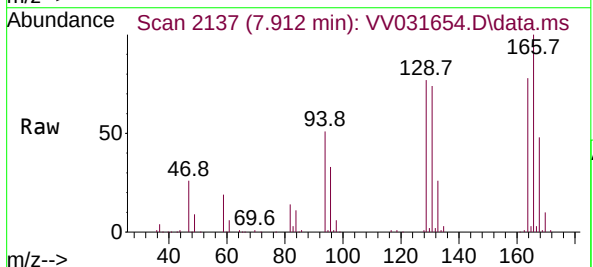
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

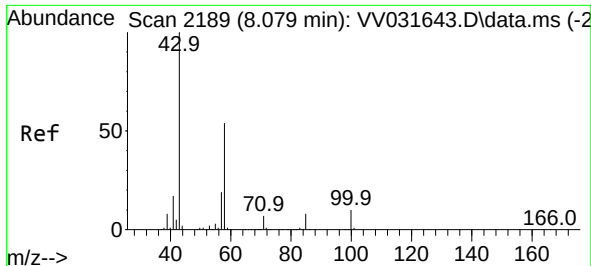
Tgt Ion: 97	Resp: 88900
Ion Ratio	Lower Upper
97 100	
99 58.4	43.7 81.1
83 83.1	60.9 113.1
85 56.6	39.2 72.8



#46
Tetrachloroethene
Concen: 42.401 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt	Ion:164	Resp:	63055
Ion	Ratio	Lower	Upper
164	100		
129	98.4	68.4	127.0
131	94.5	67.6	125.6
166	131.7	91.3	169.5



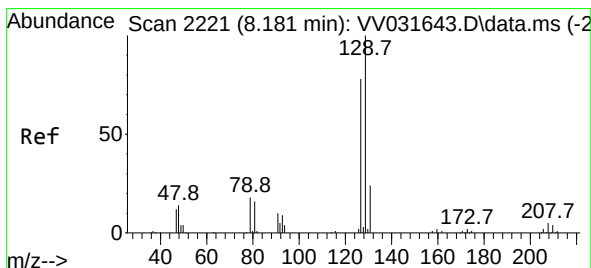
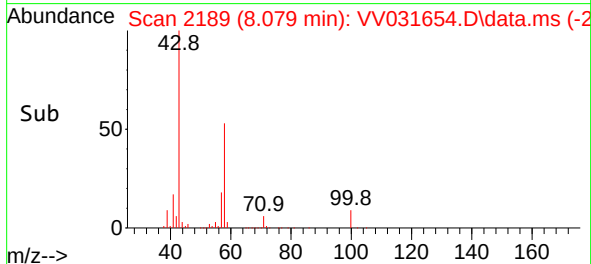
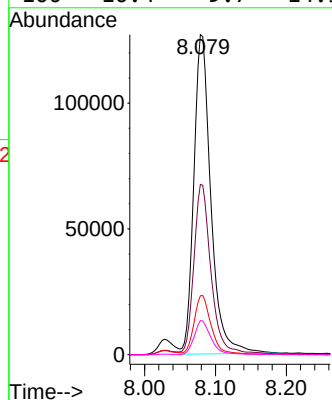
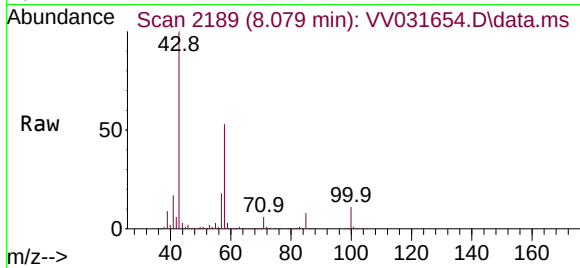


#48
2-Hexanone
Concen: 109.011 ug/L
RT: 8.079 min Scan# 2189
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

Tgt Ion: 43 Resp: 212858

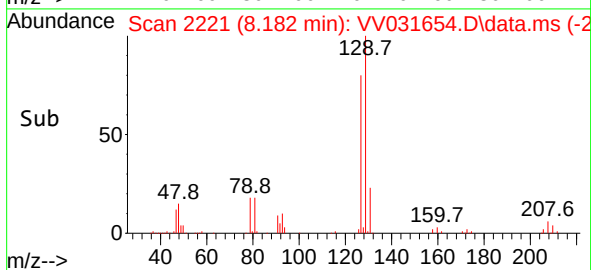
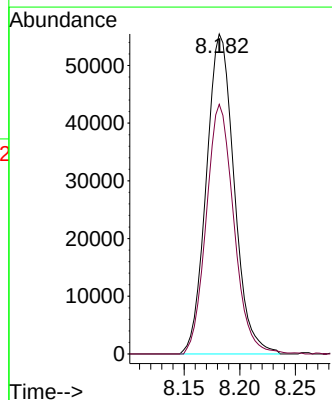
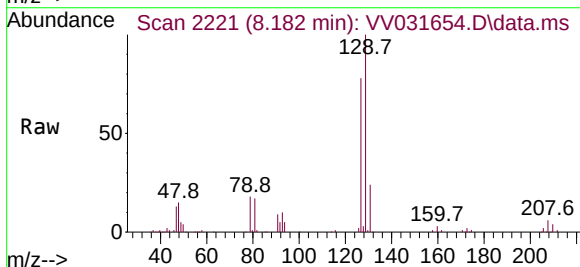
Ion	Ratio	Lower	Upper
43	100		
58	53.3	46.7	70.1
57	18.7	15.5	23.3
100	10.4	9.7	14.5

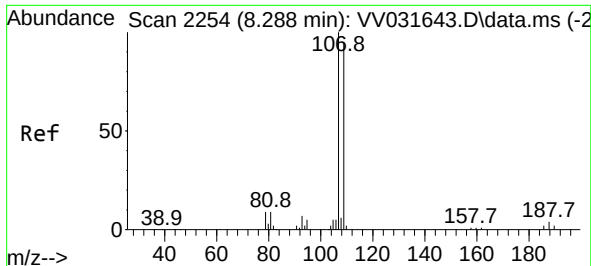


#49
Dibromochloromethane
Concen: 44.141 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 129 Resp: 96496

Ion	Ratio	Lower	Upper
129	100		
127	80.2	55.8	103.6





#50

1,2-Dibromoethane

Concen: 43.603 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

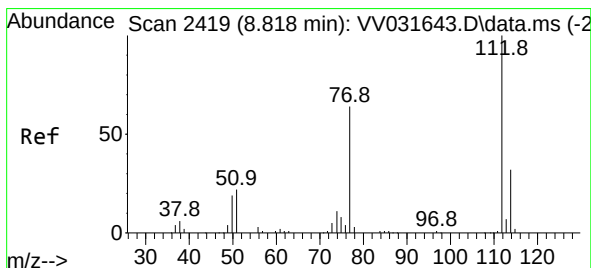
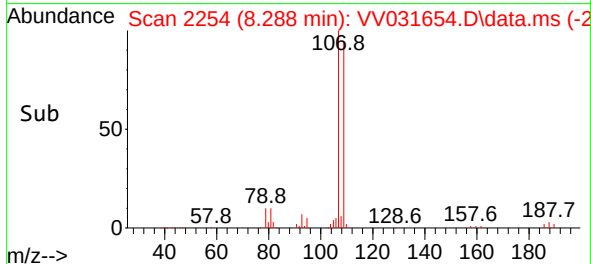
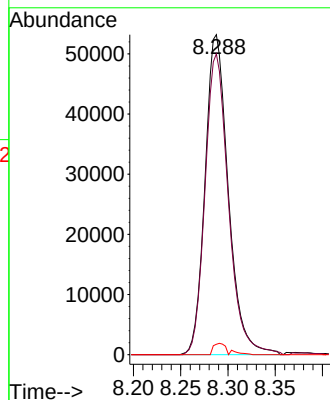
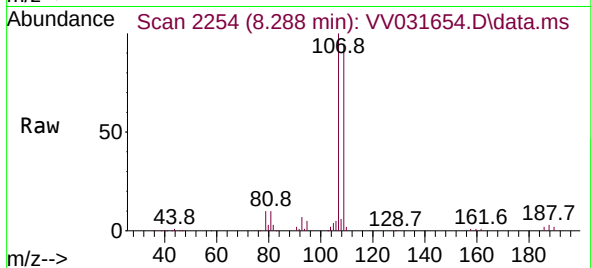
Tgt Ion:107 Resp: 91321

Ion Ratio Lower Upper

107 100

109 94.0 65.7 122.1

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 43.682 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

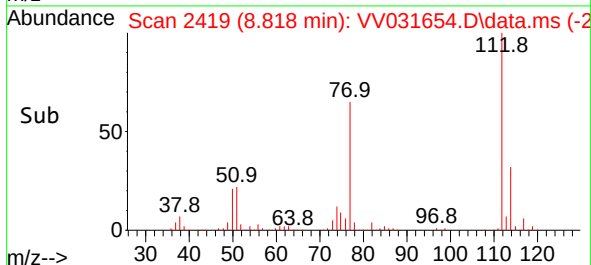
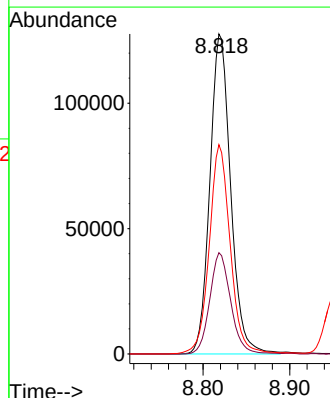
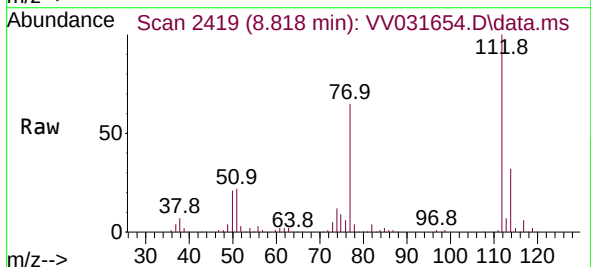
Tgt Ion:112 Resp: 212696

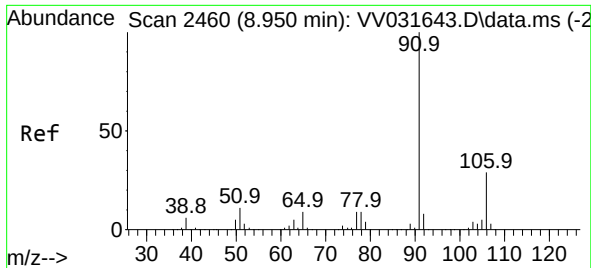
Ion Ratio Lower Upper

112 100

114 31.6 22.9 42.5

77 65.4 52.5 78.7





#52

Ethylbenzene

Concen: 44.174 ug/L

RT: 8.953 min Scan# 2460

Delta R.T. 0.003 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

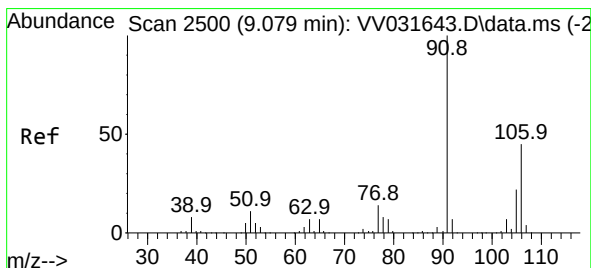
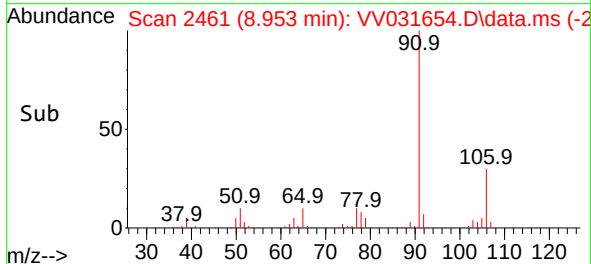
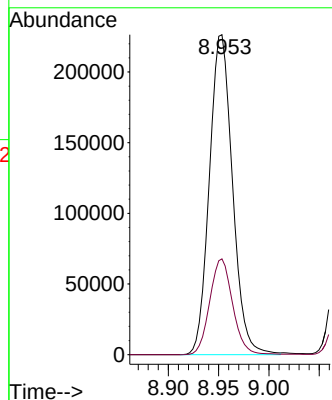
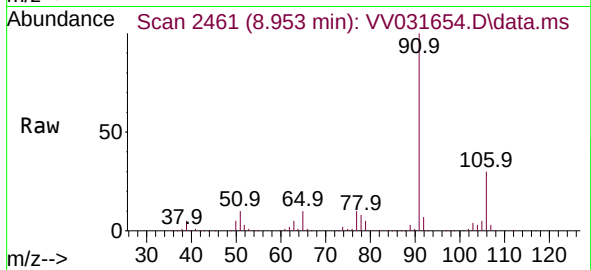
VSTD050385

Tgt Ion: 91 Resp: 362379

Ion Ratio Lower Upper

91 100

106 30.0 20.8 38.6



#53

m,p-Xylene

Concen: 44.760 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031654.D

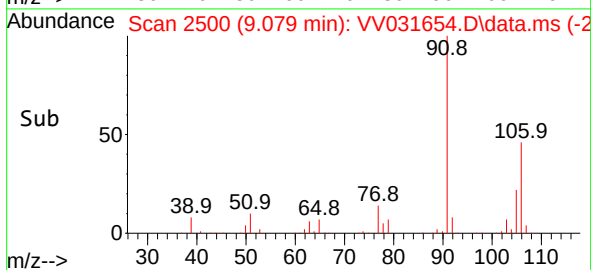
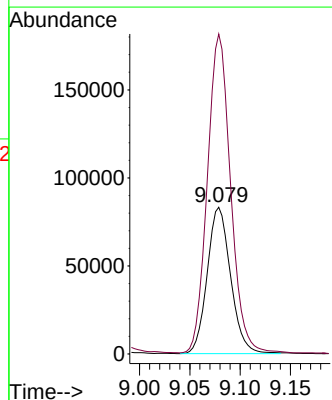
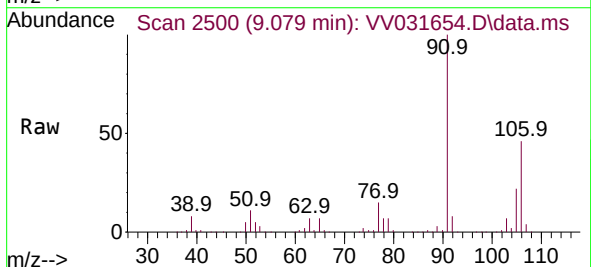
Acq: 06 Jul 2023 15:00

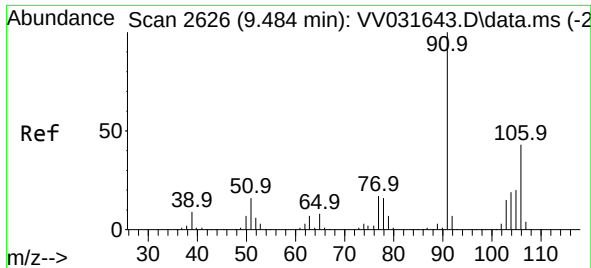
Tgt Ion:106 Resp: 134470

Ion Ratio Lower Upper

106 100

91 218.0 149.0 276.6

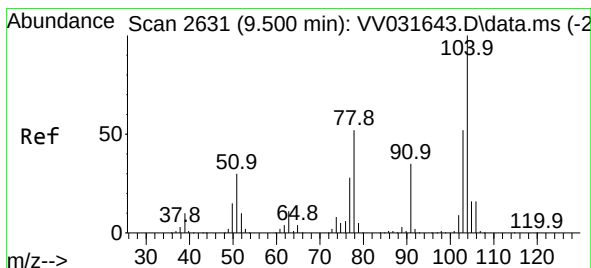
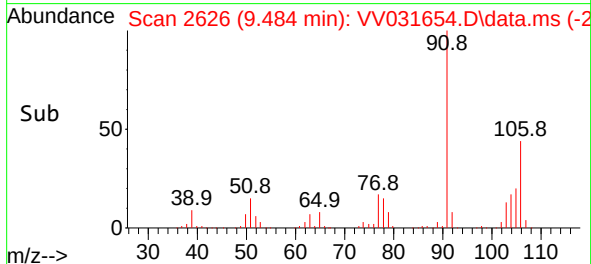
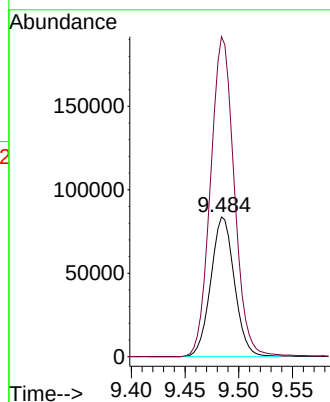
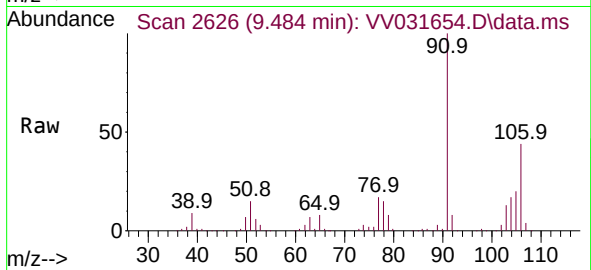




#54
o-Xylene
Concen: 45.026 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

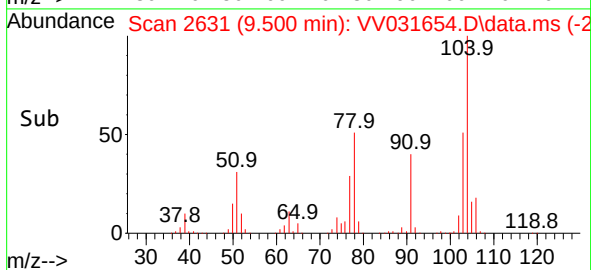
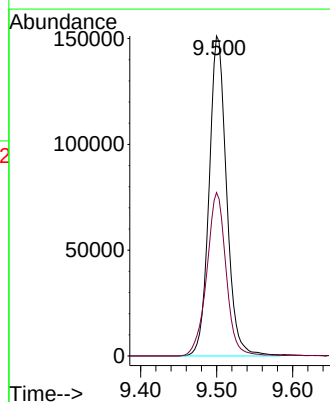
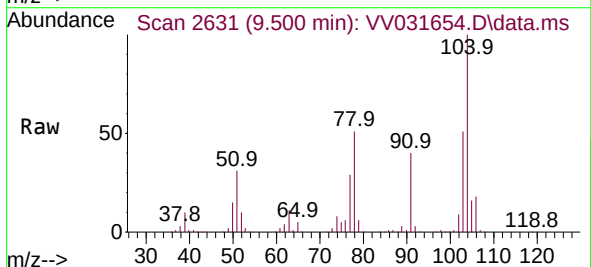
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

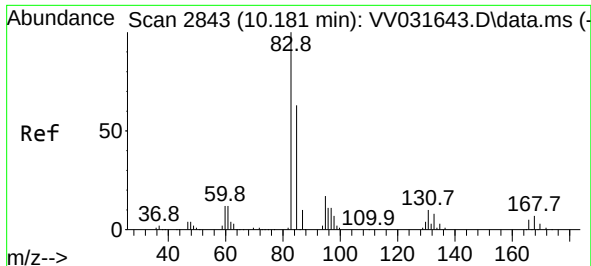
Tgt Ion:106 Resp: 128367
Ion Ratio Lower Upper
106 100
91 229.1 161.3 299.7



#55
Styrene
Concen: 47.565 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion:104 Resp: 242179
Ion Ratio Lower Upper
104 100
78 51.1 35.1 65.3

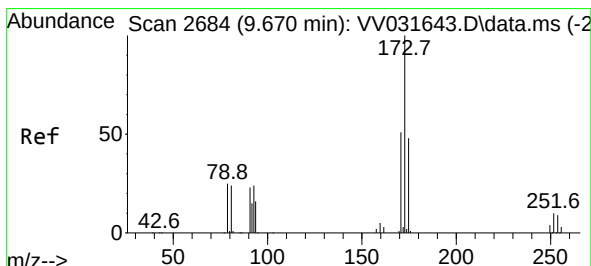
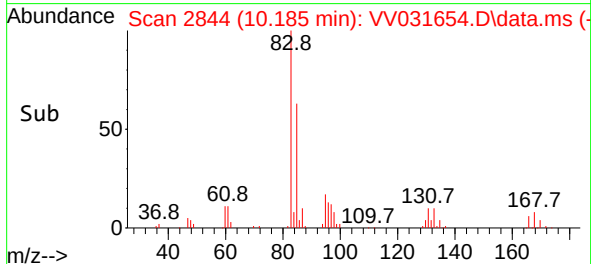
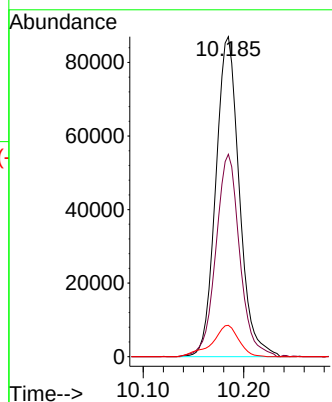
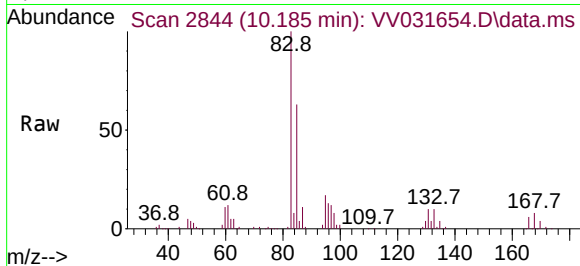




#57
1,1,2,2-Tetrachloroethane
Concen: 44.003 ug/L
RT: 10.185 min Scan# 2843
Delta R.T. 0.003 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

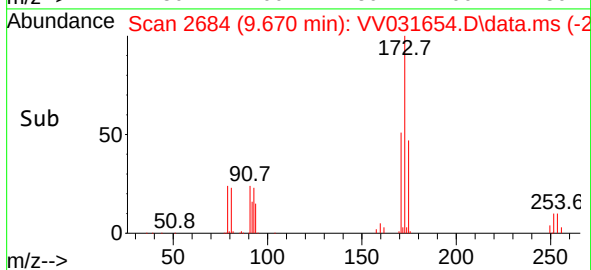
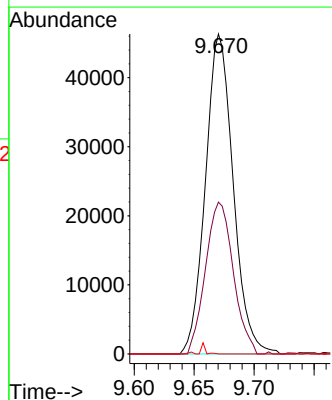
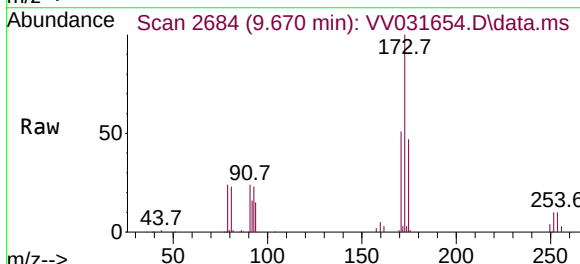
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

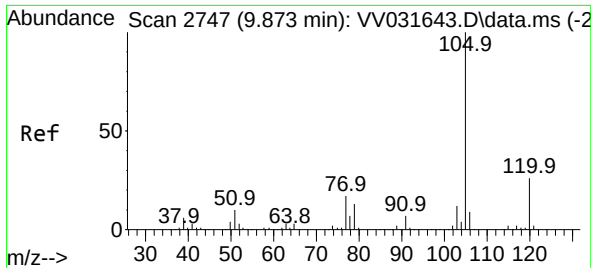
Tgt Ion: 83 Resp: 141417
Ion Ratio Lower Upper
83 100
85 67.5 43.1 80.1
131 13.7 10.6 16.0



#59
Bromoform
Concen: 45.474 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 173 Resp: 74572
Ion Ratio Lower Upper
173 100
175 47.4 37.7 56.5
254 0.1 0.1 0.1

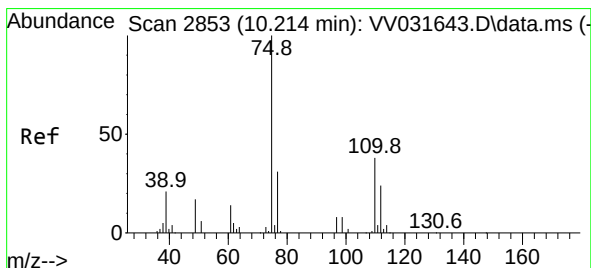
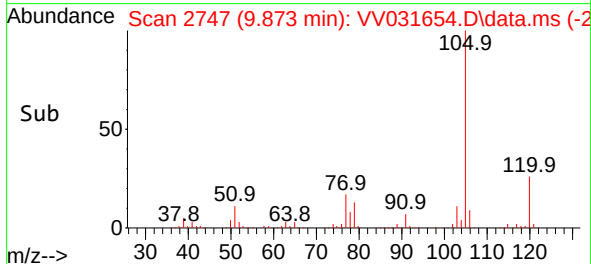
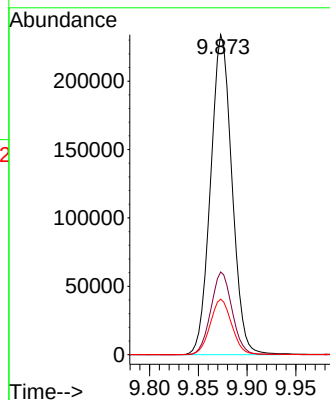
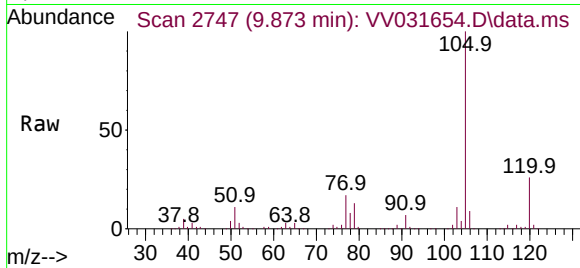




#60
Isopropylbenzene
Concen: 42.431 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

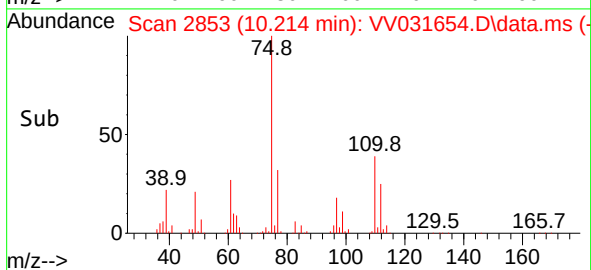
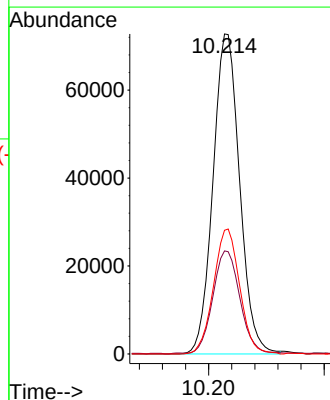
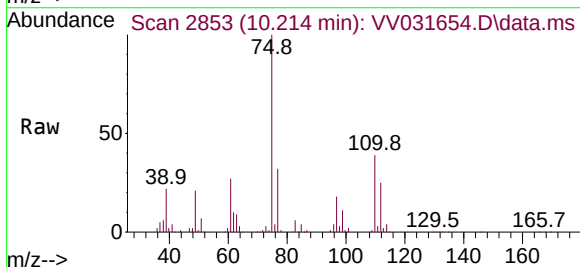
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

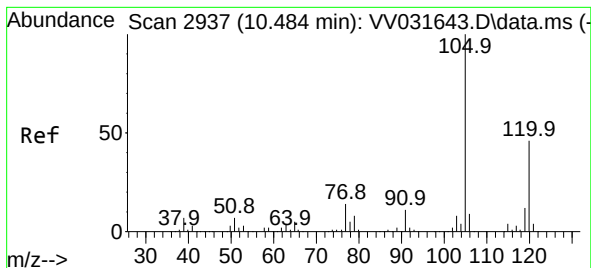
Tgt Ion:105 Resp: 357865
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.2
77 17.5 13.5 20.3



#61
1,2,3-Trichloropropane
Concen: 44.594 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion: 75 Resp: 116524
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.0
110 38.3 31.3 46.9





#62

1,3,5-Trimethylbenzene

Concen: 41.951 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

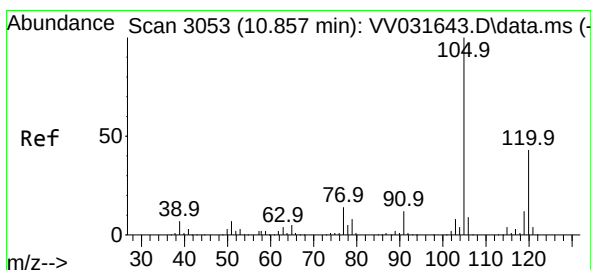
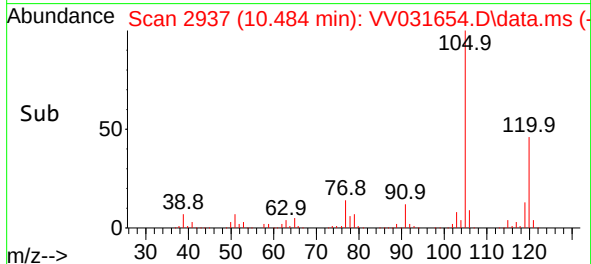
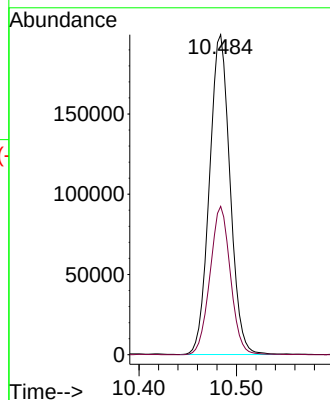
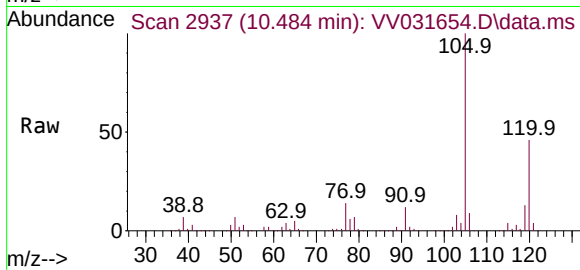
VSTD050385

Tgt Ion:105 Resp: 292428

Ion Ratio Lower Upper

105 100

120 46.0 36.2 54.2



#63

1,2,4-Trimethylbenzene

Concen: 41.927 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031654.D

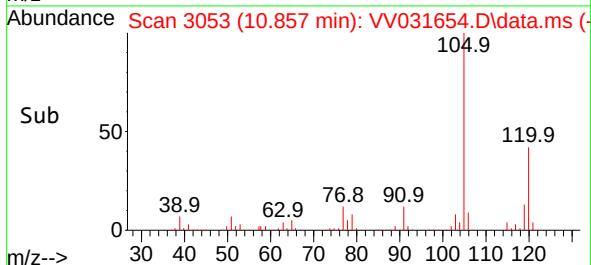
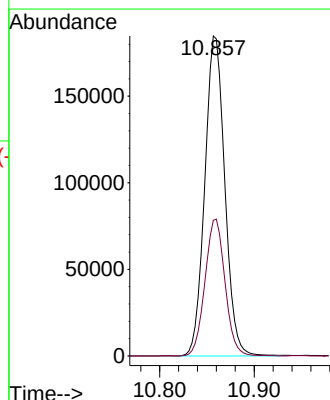
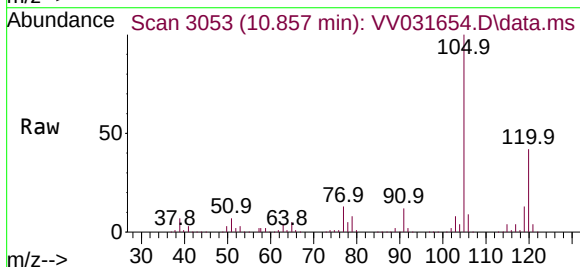
Acq: 06 Jul 2023 15:00

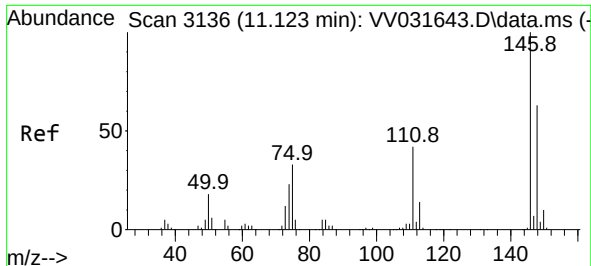
Tgt Ion:105 Resp: 272316

Ion Ratio Lower Upper

105 100

120 42.8 33.4 50.2

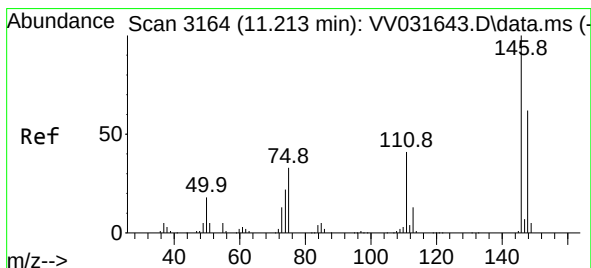
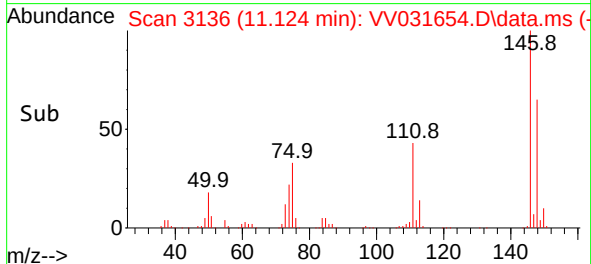
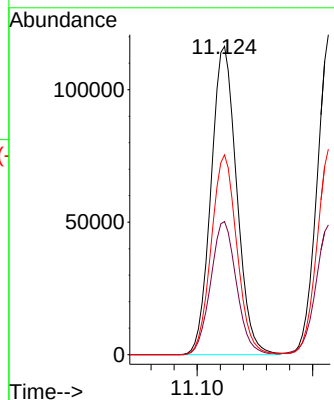
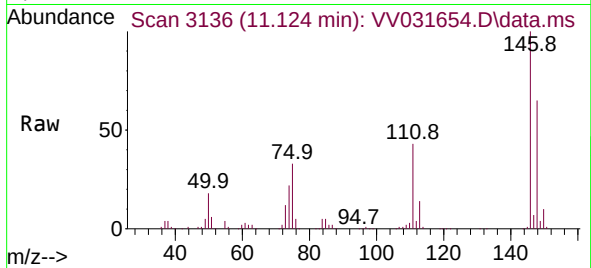




#64
1,3-Dichlorobenzene
Concen: 42.532 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

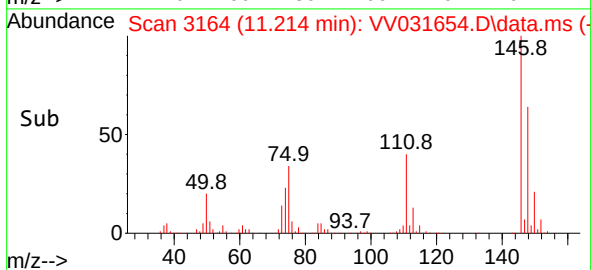
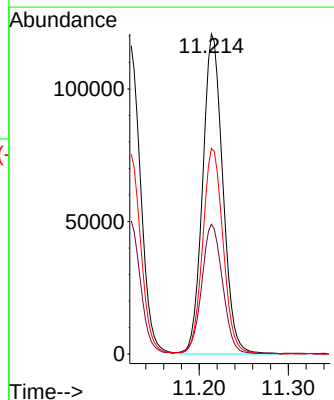
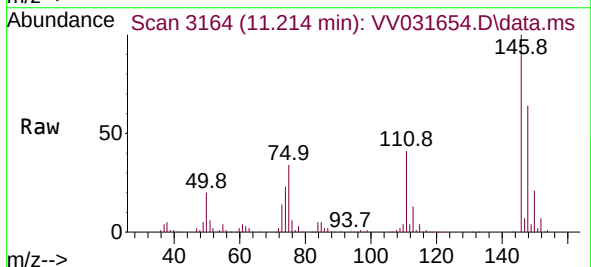
Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

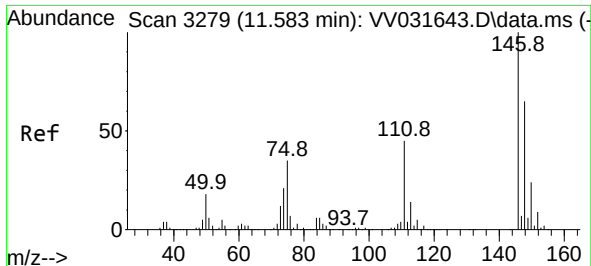
Tgt Ion:146 Resp: 179846
Ion Ratio Lower Upper
146 100
111 43.2 30.4 56.5
148 64.8 44.7 83.1



#65
1,4-Dichlorobenzene
Concen: 42.116 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion:146 Resp: 189772
Ion Ratio Lower Upper
146 100
111 40.5 27.9 51.7
148 64.2 43.6 81.0





#67

1,2-Dichlorobenzene

Concen: 42.836 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

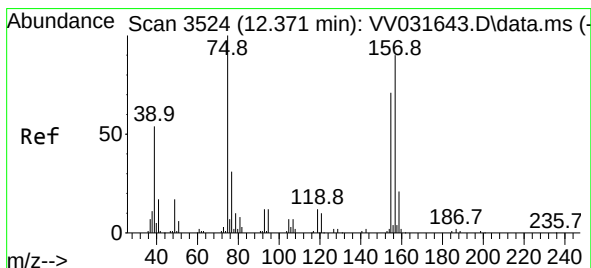
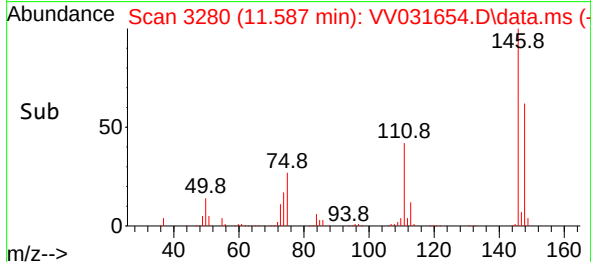
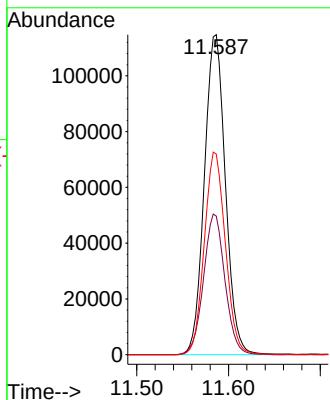
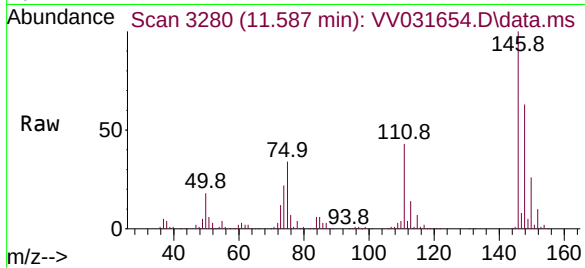
Tgt Ion:146 Resp: 182816

Ion Ratio Lower Upper

146 100

111 43.3 35.9 53.9

148 62.7 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 45.846 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

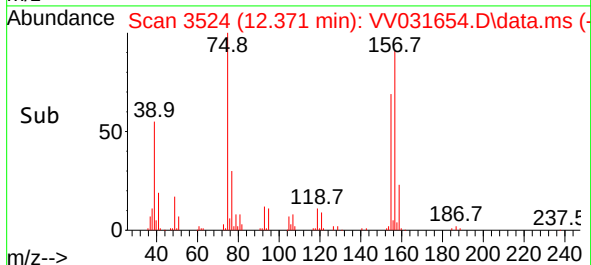
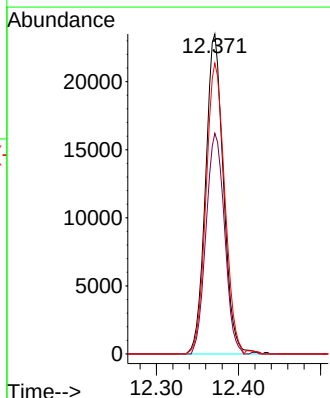
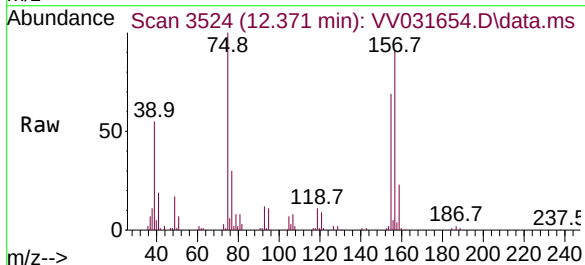
Tgt Ion: 75 Resp: 35556

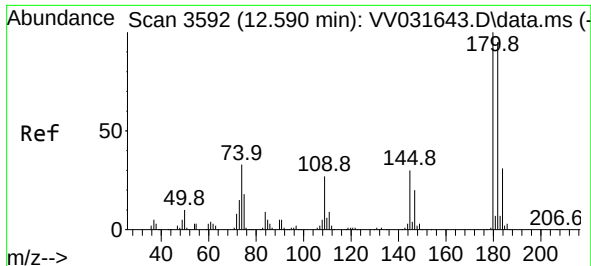
Ion Ratio Lower Upper

75 100

155 68.9 63.2 94.8

157 95.1 85.3 127.9



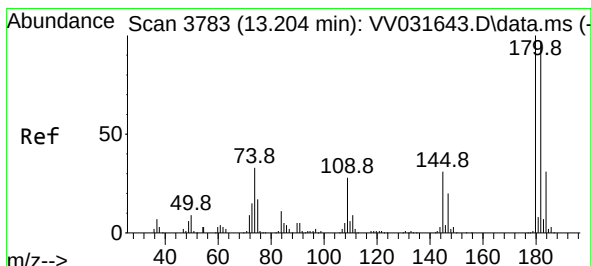
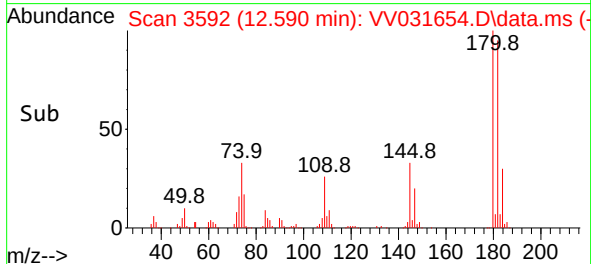
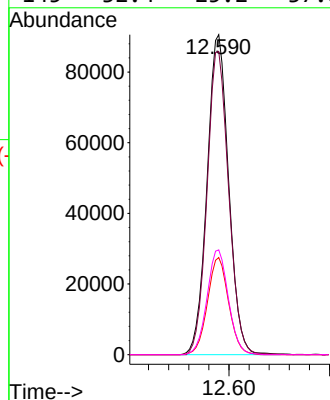
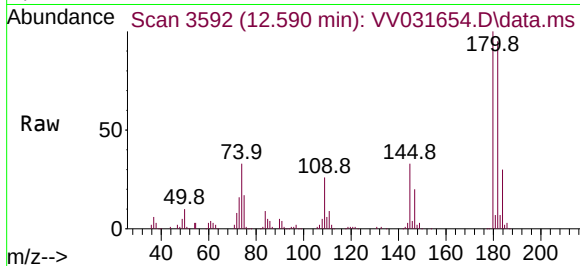


#69
1,3,5-Trichlorobenzene
Concen: 41.970 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD050385

Tgt Ion:180 Resp: 135228

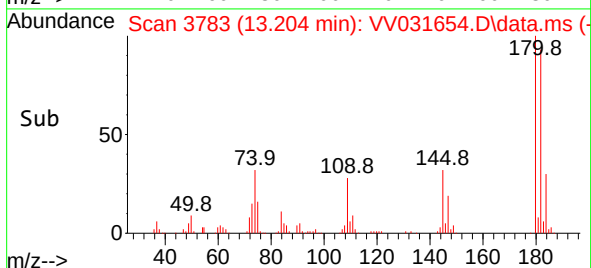
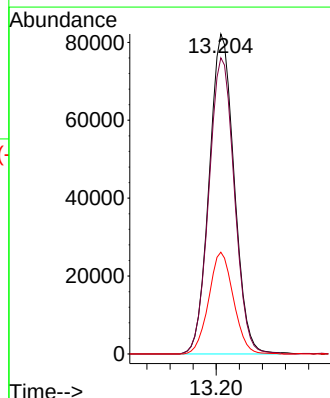
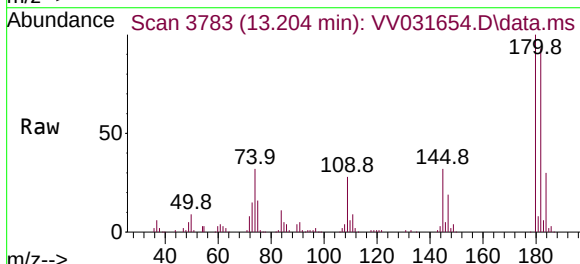
Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	115.0
184	29.7	24.7	37.1
145	32.4	25.2	37.8

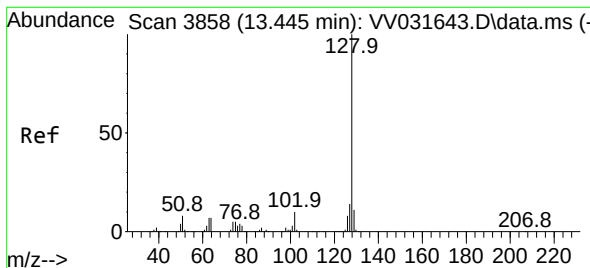


#70
1,2,4-trichlorobenzene
Concen: 43.689 ug/L
RT: 13.204 min Scan# 3783
Delta R.T. 0.000 min
Lab File: VV031654.D
Acq: 06 Jul 2023 15:00

Tgt Ion:180 Resp: 123386

Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.7	116.5
145	31.5	26.1	39.1





#71

Naphthalene

Concen: 46.861 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD050385

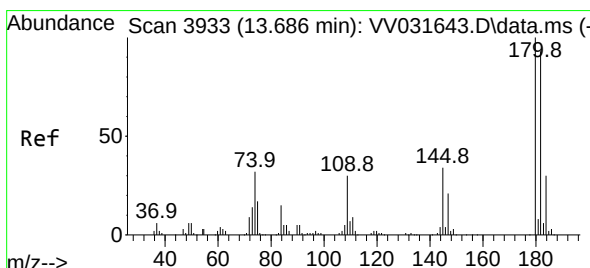
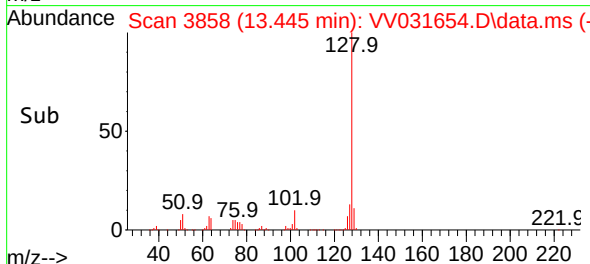
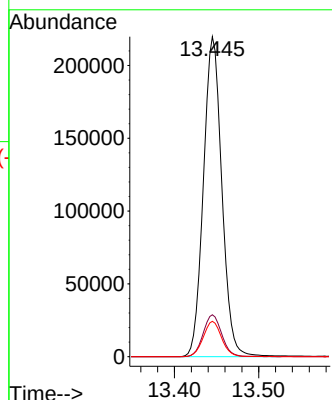
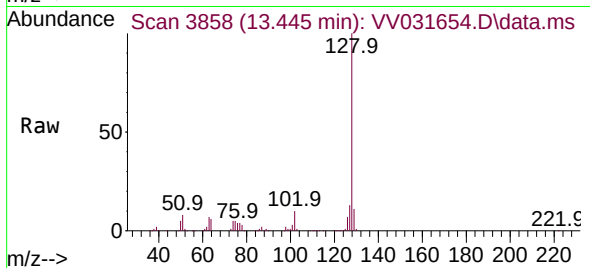
Tgt Ion:128 Resp: 335223

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 47.329 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031654.D

Acq: 06 Jul 2023 15:00

Tgt Ion:180 Resp: 138901

Ion Ratio Lower Upper

180 100

182 95.4 74.0 111.0

145 33.2 26.2 39.2

