

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052423\
 Data File : VW031205.D
 Acq On : 24 May 2023 10:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050353

Quant Time: May 25 01:09:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 24 01:27:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	168976	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	172553	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	108390	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	61979	42.919	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.840%
7) Chloroethane-d5	1.536	69	58621	52.693	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.380%
11) 1,1-Dichloroethene-d2	2.063	65	33791	49.899	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.800%
21) 2-Butanone-d5	3.802	46	79942	103.890	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.890%
24) Chloroform-d	4.256	84	133596	52.293	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.580%
26) 1,2-Dichloroethane-d4	4.947	65	95169	55.128	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.260%
32) Benzene-d6	4.966	84	231915	49.578	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.160%
36) 1,2-Dichloropropane-d6	5.995	67	66704	47.658	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.320%
41) Toluene-d8	7.249	98	229973	52.675	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.360%
43) trans-1,3-Dichloroprop...	7.558	79	36262	51.640	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.280%
47) 2-Hexanone-d5	8.030	63	52998	97.117	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.120%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	105109	50.070	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.140%
66) 1,2-Dichlorobenzene-d4	11.567	152	98592	50.618	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	59779	54.798	ug/L	97
3) Chloromethane	1.217	50	56424	47.244	ug/L	98
5) Vinyl chloride	1.288	62	54663	51.243	ug/L	99
6) Bromomethane	1.494	94	27673	46.289	ug/L	93
8) Chloroethane	1.555	64	41449	60.299	ug/L	99
9) Trichlorofluoromethane	1.716	101	122788	58.522	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	61830	55.881	ug/L	98
12) 1,1-Dichloroethene	2.073	96	51804	55.191	ug/L	89
13) Acetone	2.130	43	105686	105.646	ug/L	98
14) Carbon disulfide	2.246	76	87311	51.044	ug/L	99
15) Methyl Acetate	2.381	43	63385	55.750	ug/L	99
16) Methylene chloride	2.455	84	54008	51.684	ug/L	95
17) trans-1,2-Dichloroethene	2.700	96	45639	52.590	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	197227	58.831	ug/L	99
19) 1,1-Dichloroethane	3.118	63	105858	53.524	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	58405	54.593	ug/L	99
22) 2-Butanone	3.880	43	103020	107.389	ug/L	97
23) Bromochloromethane	4.156	128	34032	57.888	ug/L	97
25) Chloroform	4.285	83	127176	57.563	ug/L	96

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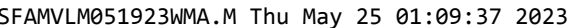
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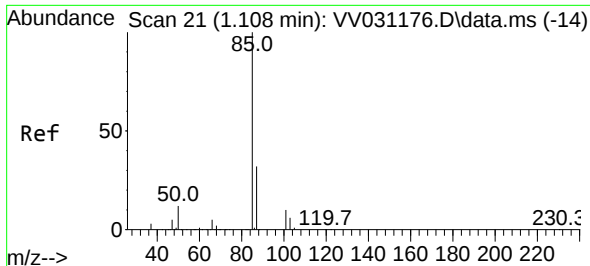
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 Quant Title : VOC Analysis
 QLast Update : Wed May 24 01:27:41 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	114590	61.130	ug/L	96
29) Cyclohexane	4.593	56	68299	50.301	ug/L	96
30) 1,1,1-Trichloroethane	4.519	97	117472	55.479	ug/L	99
31) Carbon tetrachloride	4.744	117	105372	57.123	ug/L	99
33) Benzene	5.018	78	227003	54.913	ug/L	100
34) Trichloroethene	5.838	95	56681	51.172	ug/L	95
35) Methylcyclohexane	6.056	83	79829	54.312	ug/L	99
37) 1,2-Dichloropropane	6.098	63	60937	53.557	ug/L	98
38) Bromodichloromethane	6.439	83	97868	55.488	ug/L	99
39) cis-1,3-Dichloropropene	6.960	75	93728	53.421	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	197534	112.823	ug/L	99
42) Toluene	7.320	91	260203	58.178	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	103581	58.359	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	68442	55.125	ug/L	97
46) Tetrachloroethene	7.912	164	52882	55.599	ug/L	92
48) 2-Hexanone	8.082	43	167994	115.200	ug/L	98
49) Dibromochloromethane	8.182	129	78182	55.811	ug/L	100
50) 1,2-Dibromoethane	8.288	107	66952	54.238	ug/L	99
51) Chlorobenzene	8.818	112	174780	54.904	ug/L	99
52) Ethylbenzene	8.953	91	293152	57.248	ug/L	99
53) m,p-Xylene	9.079	106	112610	56.691	ug/L	97
54) o-Xylene	9.484	106	111296	56.797	ug/L	99
55) Styrene	9.500	104	208036	60.028	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	113218	55.499	ug/L	99
59) Bromoform	9.670	173	65473	52.095	ug/L	99
60) Isopropylbenzene	9.873	105	316746	54.641	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	87927	52.731	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	257001	53.936	ug/L	100
63) 1,2,4-Trimethylbenzene	10.860	105	257403	55.248	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	165228	55.628	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	170337	55.124	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	169455	56.226	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	25829	50.461	ug/L	94
69) 1,3,5-Trichlorobenzene	12.590	180	127467	55.514	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	103859	53.150	ug/L	98
71) Naphthalene	13.445	128	252616	49.770	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	104389	53.459	ug/L	99

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

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Response via : Initial Calibration

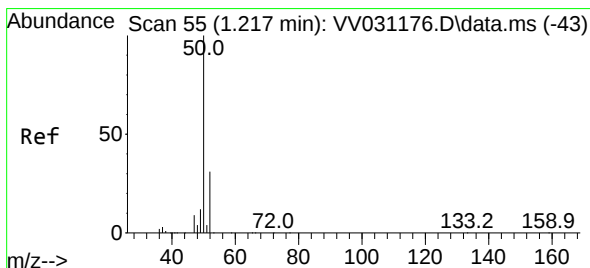
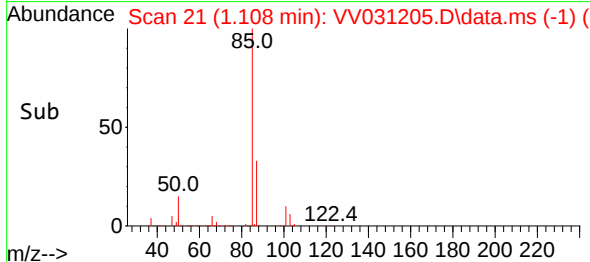
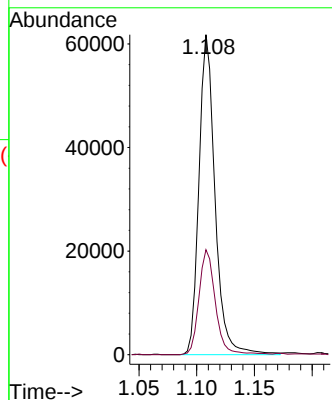
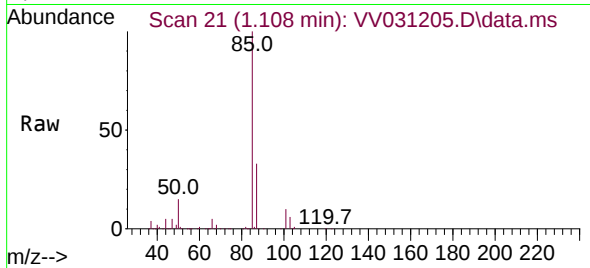




#2
 Dichlorodifluoromethane
 Concen: 54.798 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

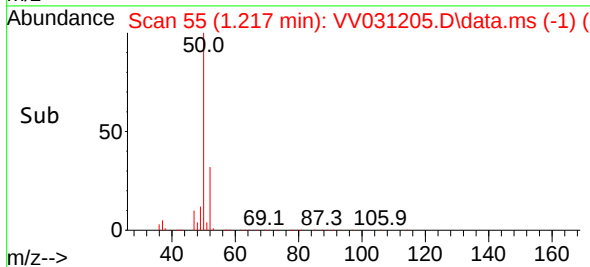
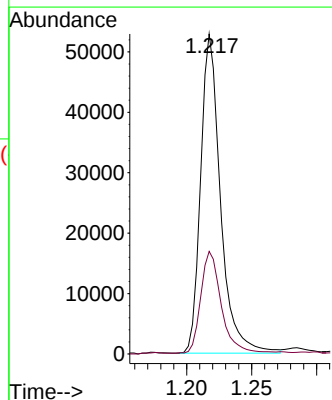
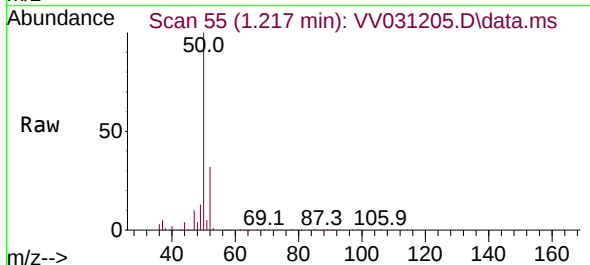
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050353

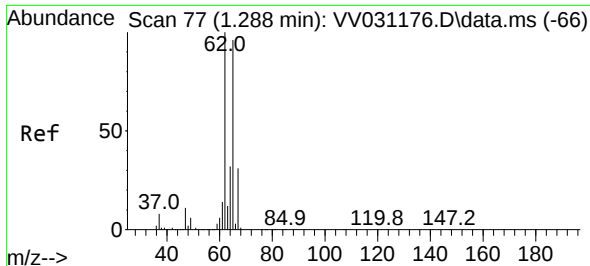
Tgt Ion: 85 Resp: 59779
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.2 37.8



#3
 Chloromethane
 Concen: 47.244 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

Tgt Ion: 50 Resp: 56424
 Ion Ratio Lower Upper
 50 100
 52 32.0 23.3 43.3

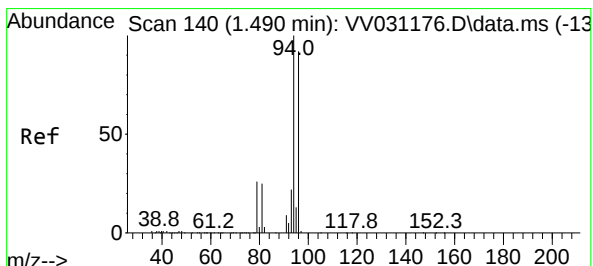
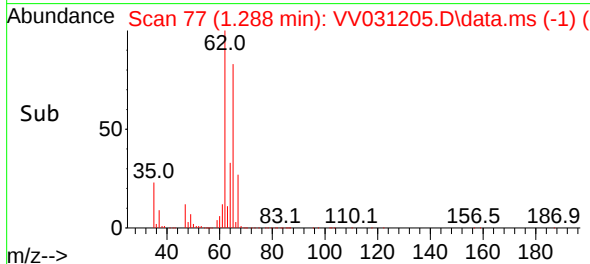
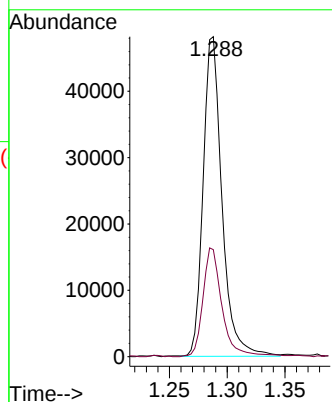
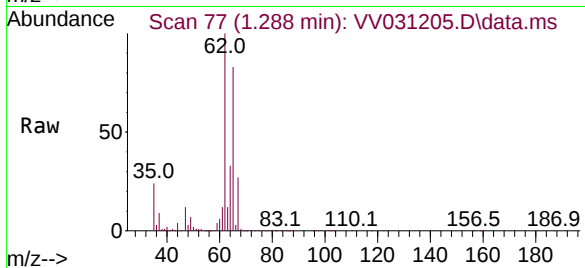




#5
 Vinyl chloride
 Concen: 51.243 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

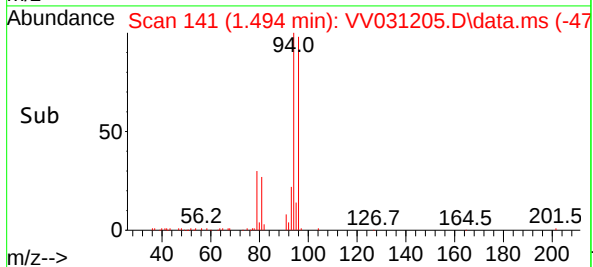
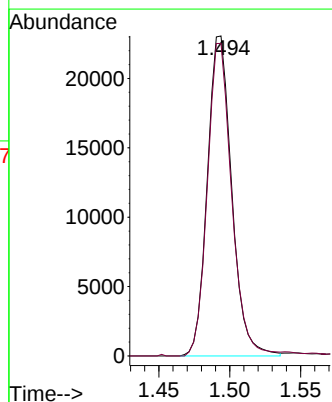
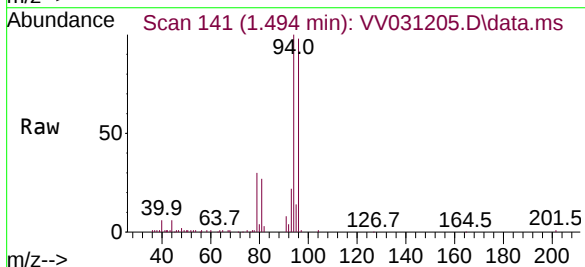
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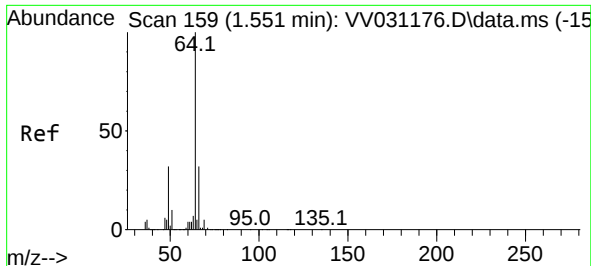
Tgt Ion: 62 Resp: 54663
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.1 42.9



#6
 Bromomethane
 Concen: 46.289 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

Tgt Ion: 94 Resp: 27673
 Ion Ratio Lower Upper
 94 100
 96 97.7 63.9 118.7

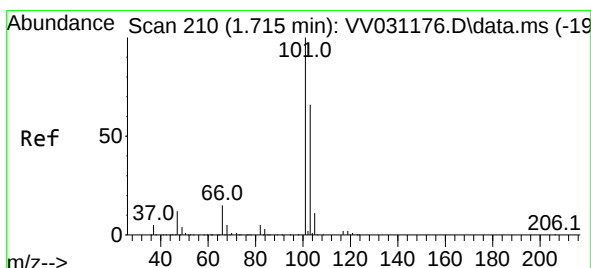
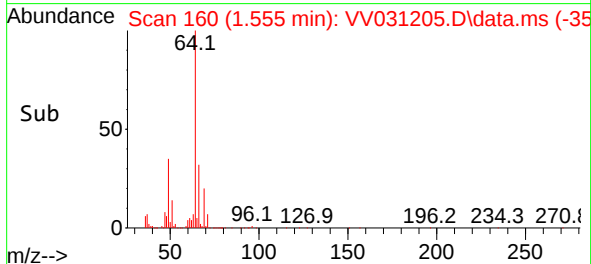
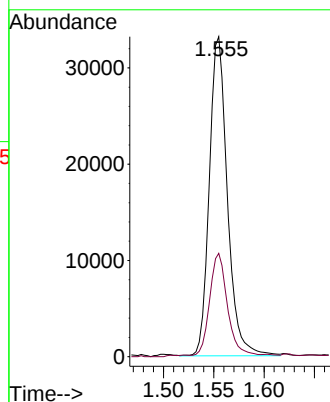
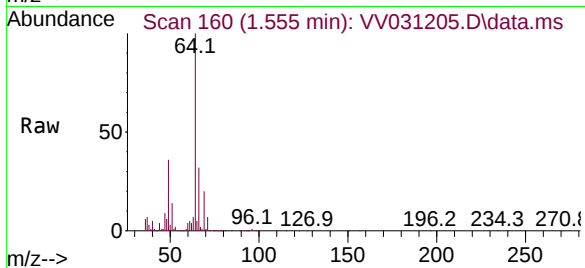




#8
Chloroethane
Concen: 60.299 ug/L
RT: 1.555 min Scan# 10
Delta R.T. 0.003 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

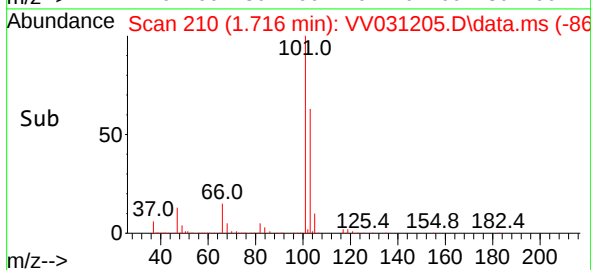
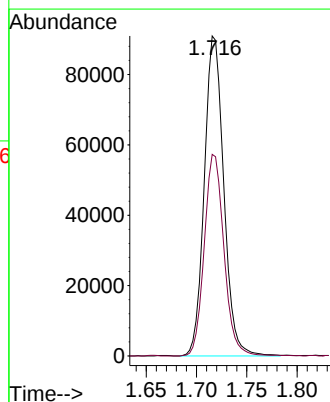
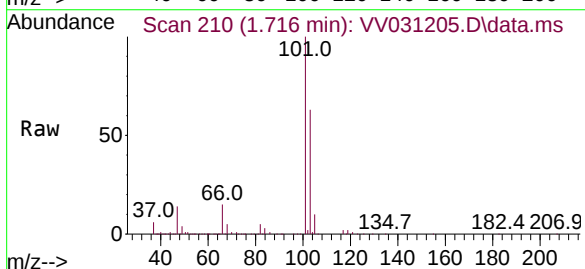
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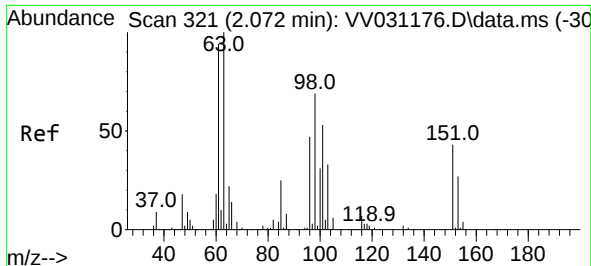
Tgt Ion: 64 Resp: 41449
Ion Ratio Lower Upper
64 100
66 32.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 58.522 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 101 Resp: 122788
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.2

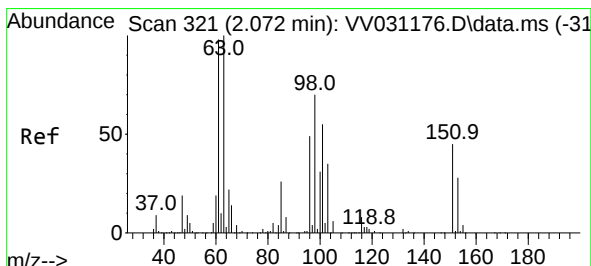
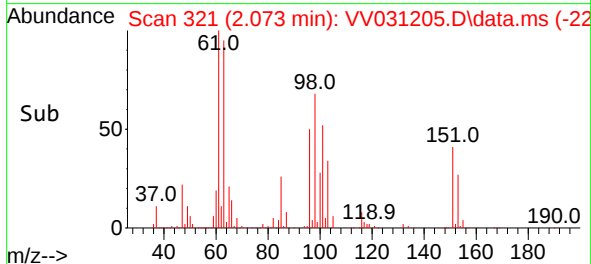
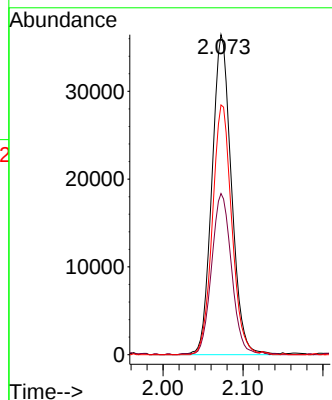
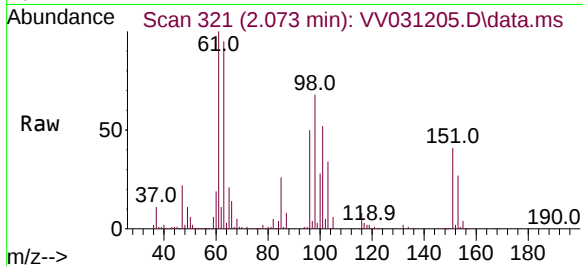




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 55.881 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

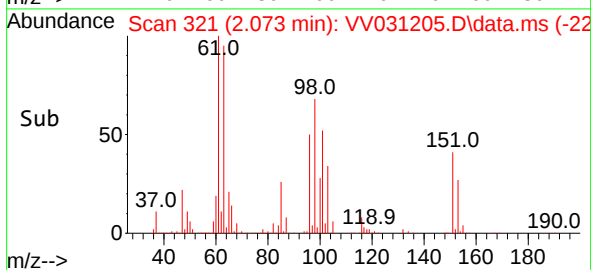
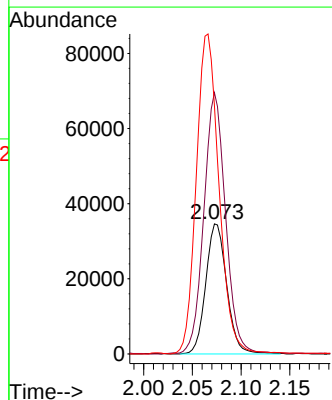
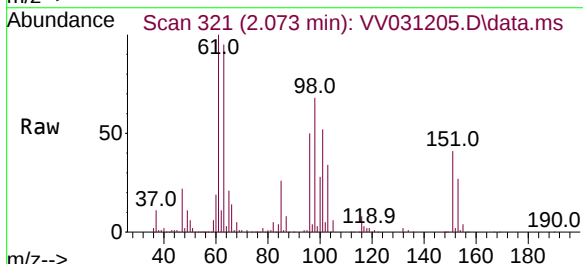
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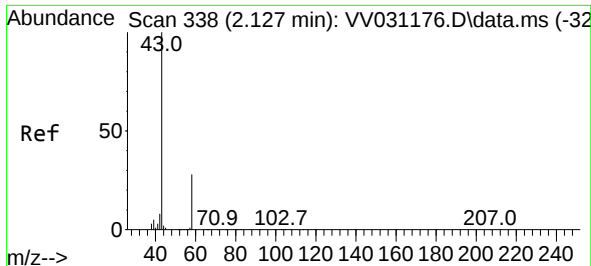
Tgt Ion:101 Resp: 61830
 Ion Ratio Lower Upper
 101 100
 85 51.1 38.0 57.0
 151 77.3 61.7 92.5



#12
 1,1-Dichloroethene
 Concen: 55.191 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

Tgt Ion: 96 Resp: 51804
 Ion Ratio Lower Upper
 96 100
 61 200.8 137.9 256.1
 63 190.9 114.2 212.0





#13

Acetone

Concen: 105.646 ug/L

RT: 2.130 min Scan# 338

Delta R.T. 0.003 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

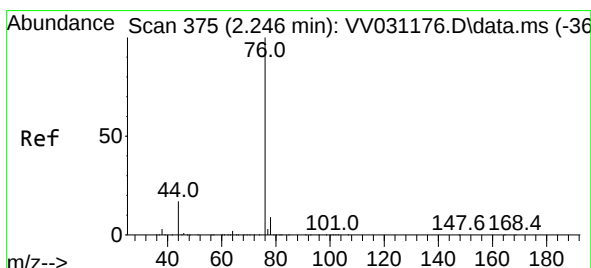
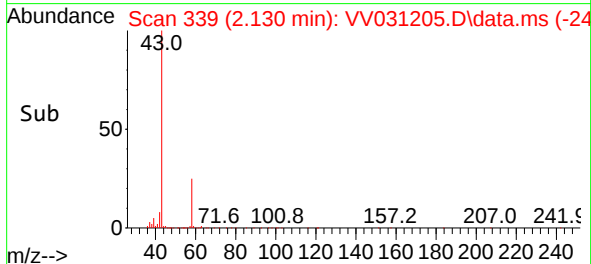
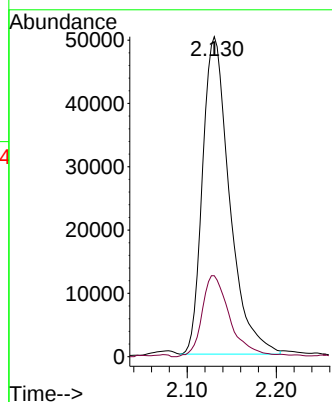
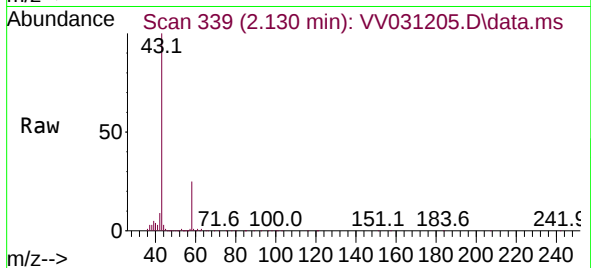
VSTD050353

Tgt Ion: 43 Resp: 105686

Ion Ratio Lower Upper

43 100

58 26.2 0.0 54.0



#14

Carbon disulfide

Concen: 51.044 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031205.D

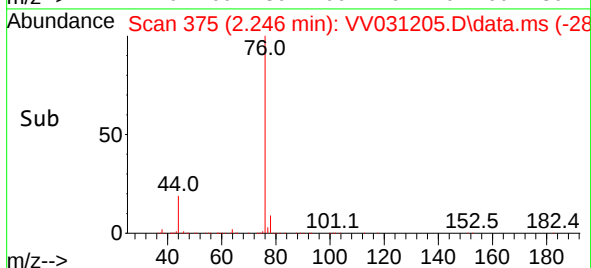
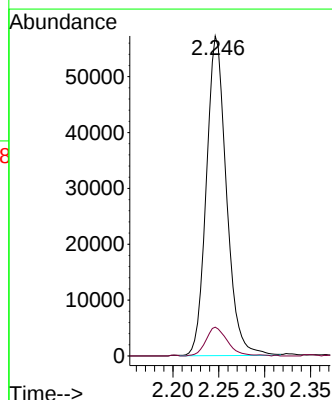
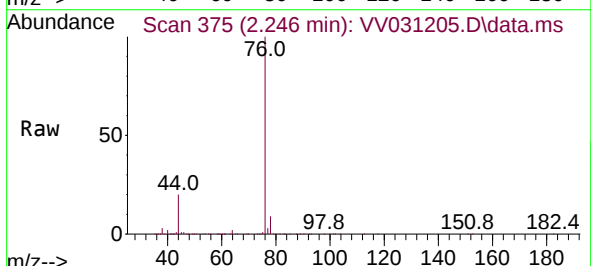
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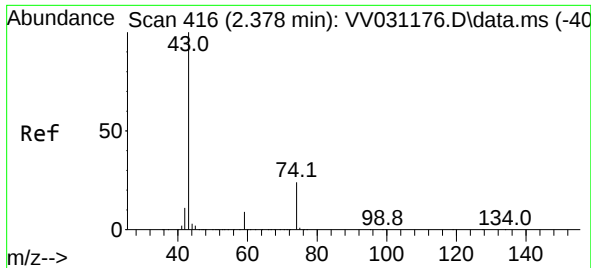
Tgt Ion: 76 Resp: 87311

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

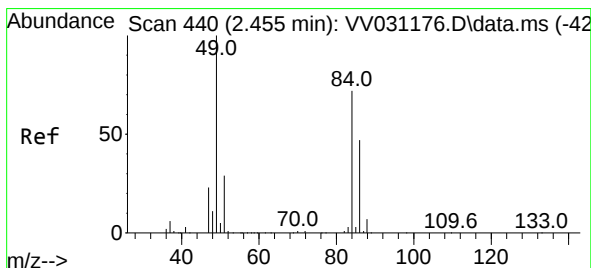
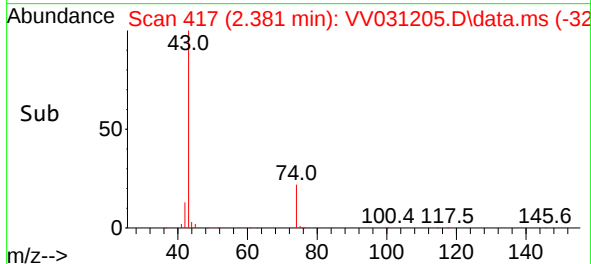
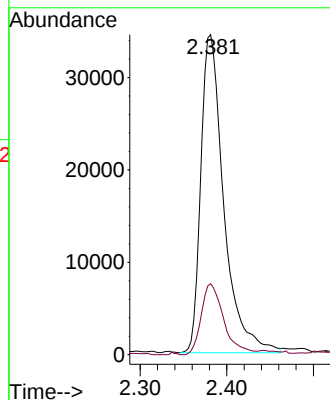
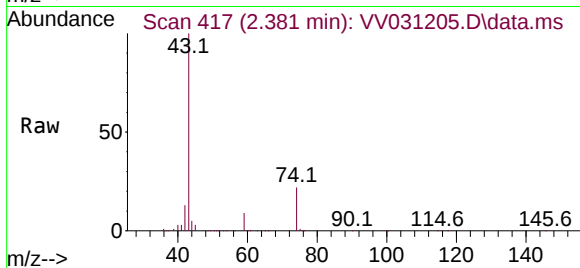




#15
Methyl Acetate
Concen: 55.750 ug/L
RT: 2.381 min Scan# 416
Delta R.T. 0.003 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

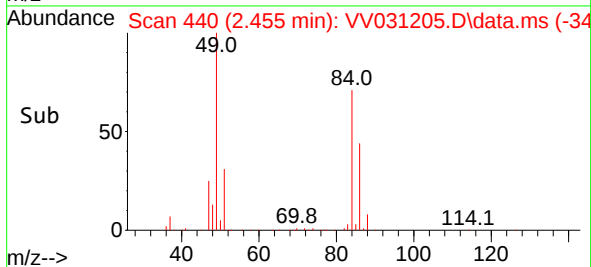
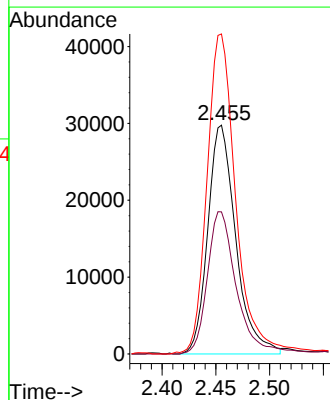
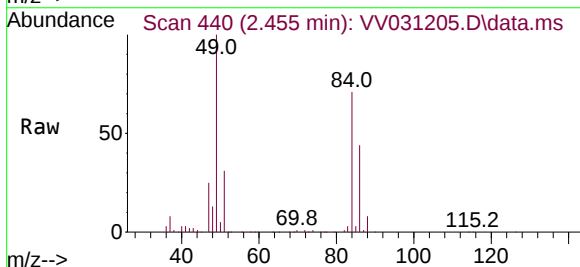
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

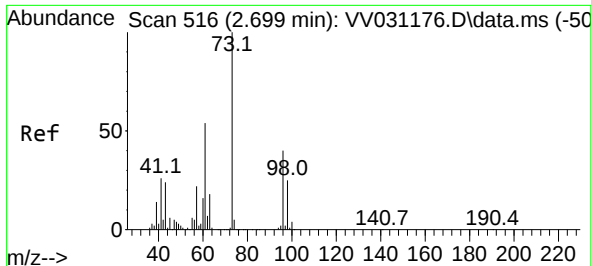
Tgt Ion: 43 Resp: 63385
Ion Ratio Lower Upper
43 100
74 21.9 18.1 27.1



#16
Methylene chloride
Concen: 51.684 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 84 Resp: 54008
Ion Ratio Lower Upper
84 100
86 62.1 43.3 80.3
49 139.9 92.6 172.0

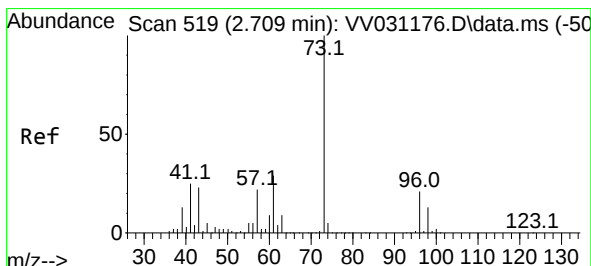
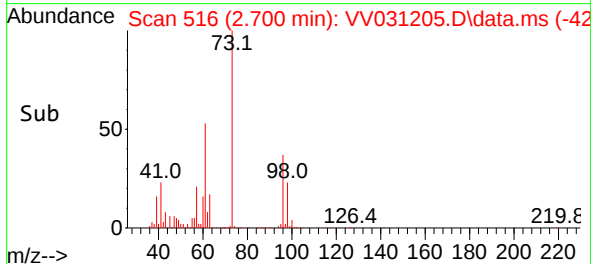
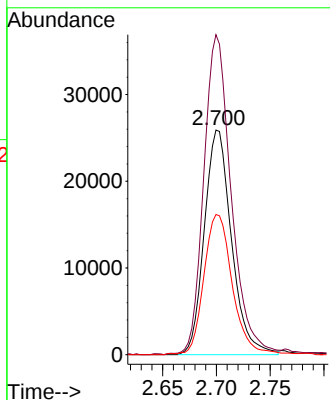
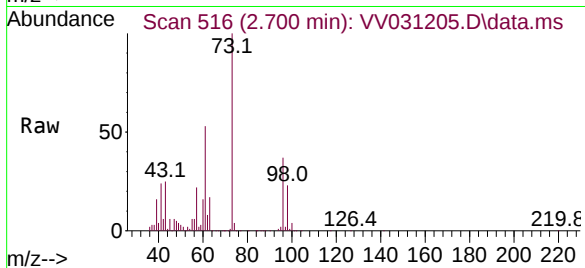




#17
trans-1,2-Dichloroethene
Concen: 52.590 ug/L
RT: 2.700 min Scan# 516
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

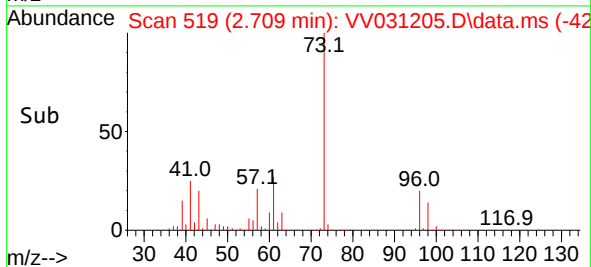
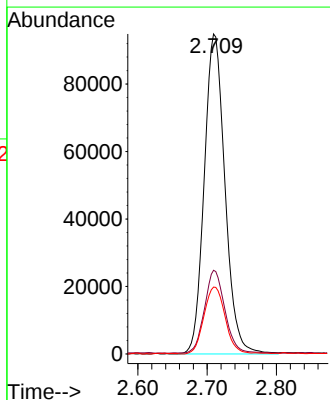
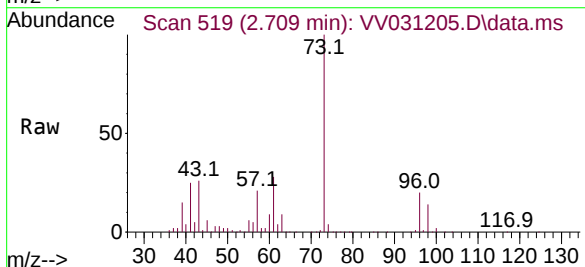
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

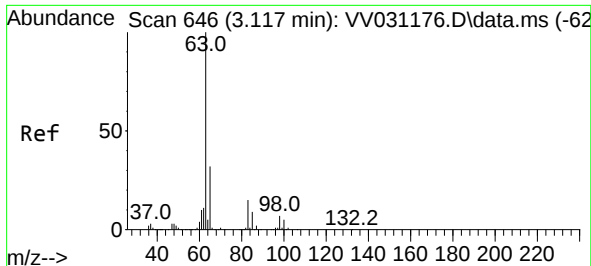
Tgt Ion: 96 Resp: 45639
Ion Ratio Lower Upper
96 100
61 142.5 100.0 185.6
98 62.4 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 58.831 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 73 Resp: 197227
Ion Ratio Lower Upper
73 100
43 25.1 19.4 29.2
57 21.4 17.1 25.7





#19

1,1-Dichloroethane

Concen: 53.524 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050353

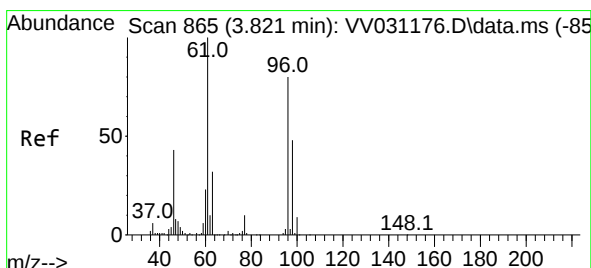
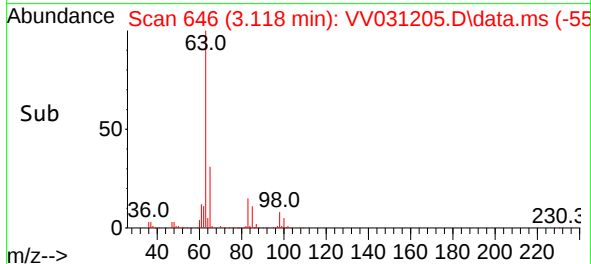
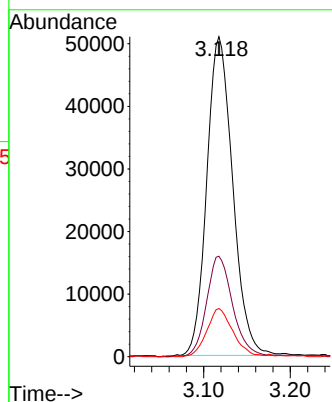
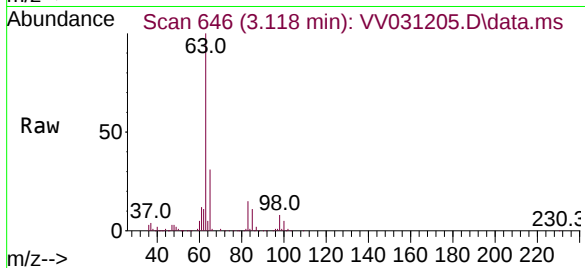
Tgt Ion: 63 Resp: 105858

Ion Ratio Lower Upper

63 100

65 31.4 21.9 40.7

83 15.1 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 54.593 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

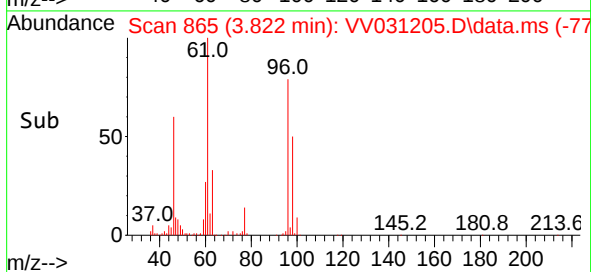
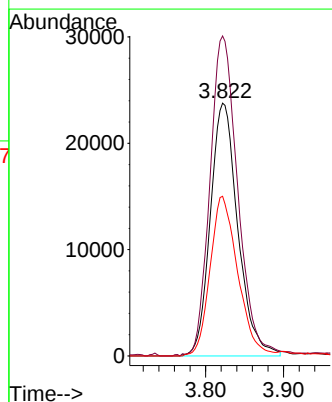
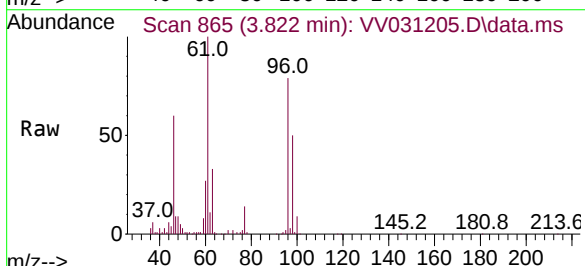
Tgt Ion: 96 Resp: 58405

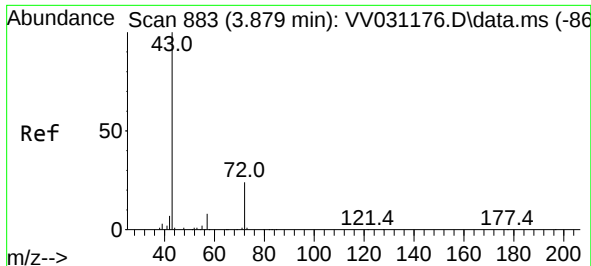
Ion Ratio Lower Upper

96 100

61 126.6 89.2 165.6

98 63.2 43.0 80.0

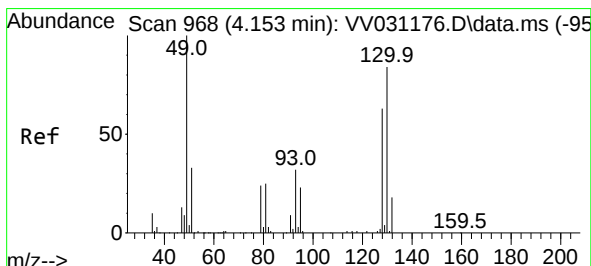
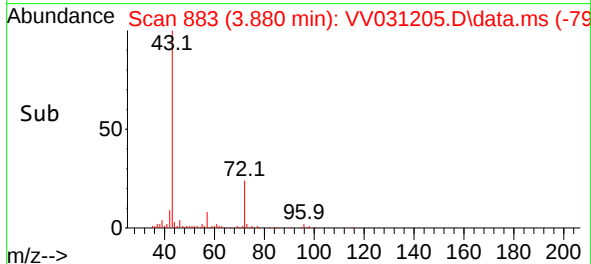
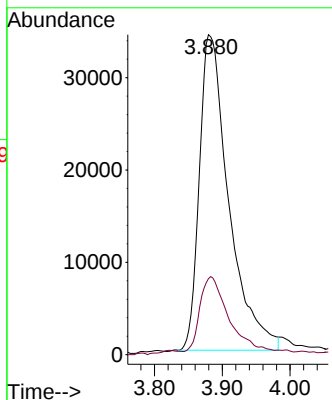
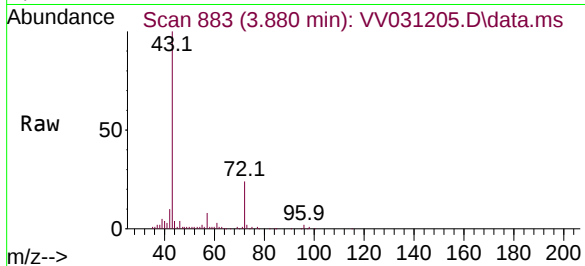




#22
2-Butanone
Concen: 107.389 ug/L
RT: 3.880 min Scan# 883
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

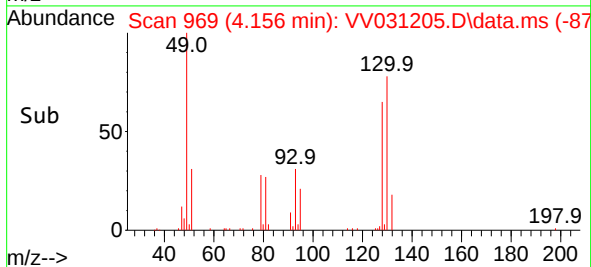
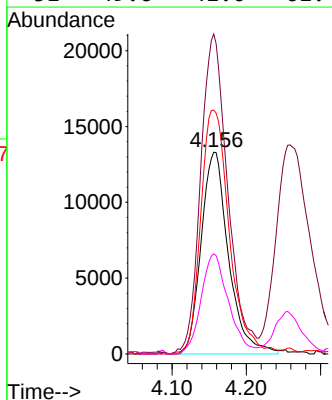
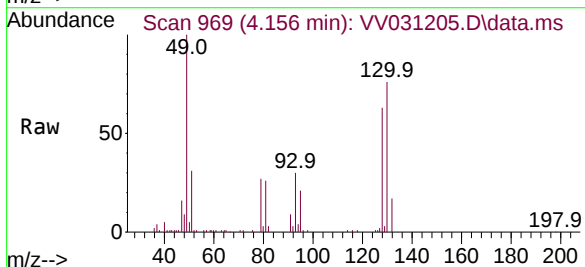
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

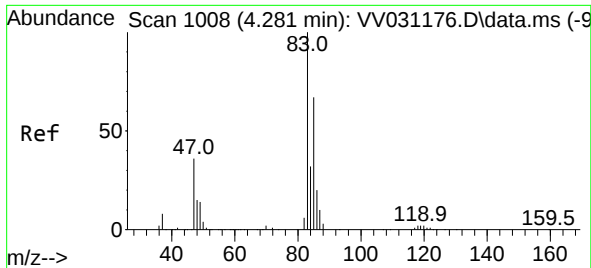
Tgt Ion: 43 Resp: 103020
Ion Ratio Lower Upper
43 100
72 22.2 11.9 35.7



#23
Bromochloromethane
Concen: 57.888 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion:128 Resp: 34032
Ion Ratio Lower Upper
128 100
49 158.5 113.2 210.2
130 120.8 87.5 162.5
51 49.6 41.0 61.4

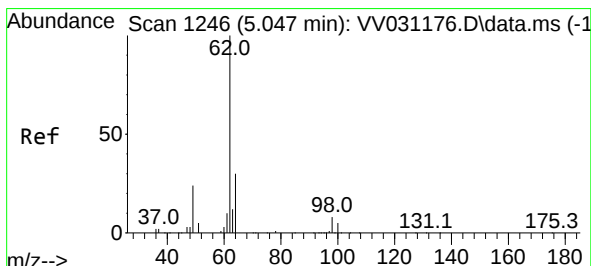
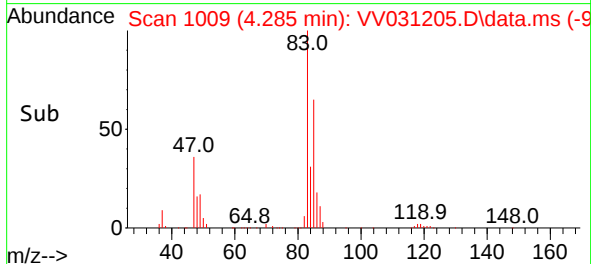
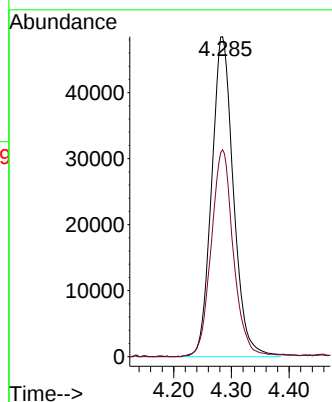
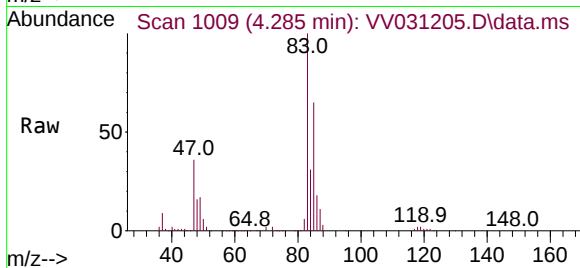




#25
Chloroform
Concen: 57.563 ug/L
RT: 4.285 min Scan# 1008
Delta R.T. 0.003 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

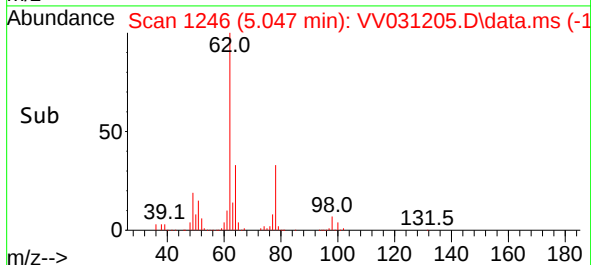
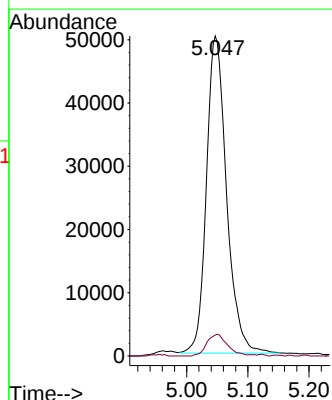
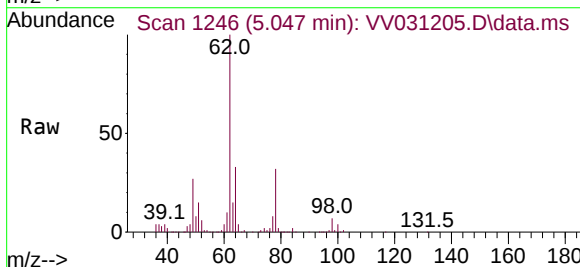
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

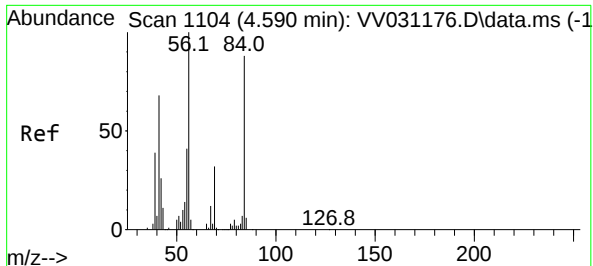
Tgt Ion: 83 Resp: 127176
Ion Ratio Lower Upper
83 100
85 64.6 47.3 87.9



#27
1,2-Dichloroethane
Concen: 61.130 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 62 Resp: 114590
Ion Ratio Lower Upper
62 100
98 6.6 6.3 9.5





#29

Cyclohexane

Concen: 50.301 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050353

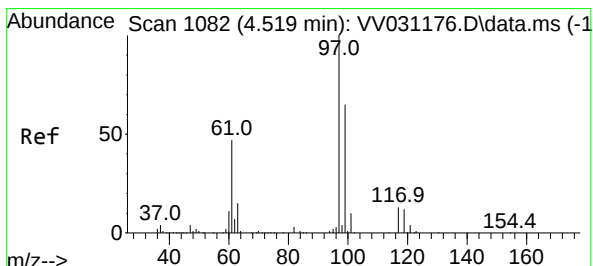
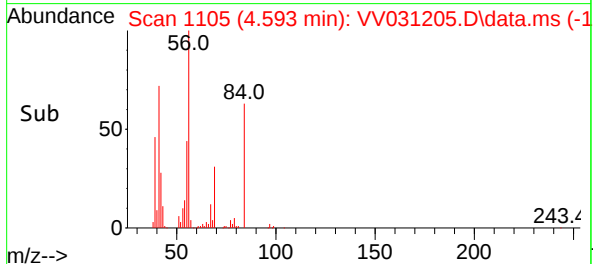
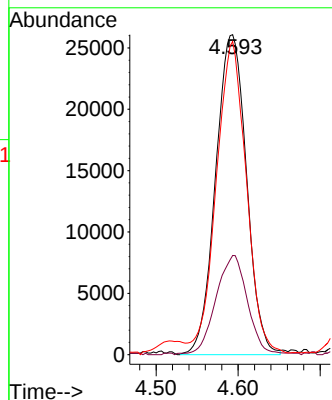
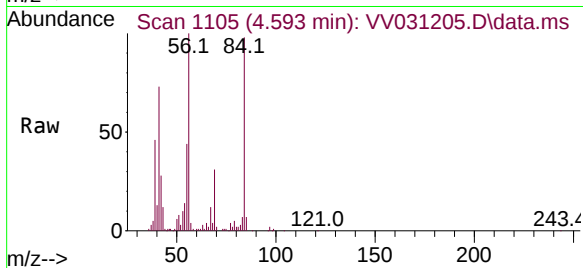
Tgt Ion: 56 Resp: 68299

Ion Ratio Lower Upper

56 100

69 30.6 25.1 37.7

84 93.8 71.5 107.3



#30

1,1,1-Trichloroethane

Concen: 55.479 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

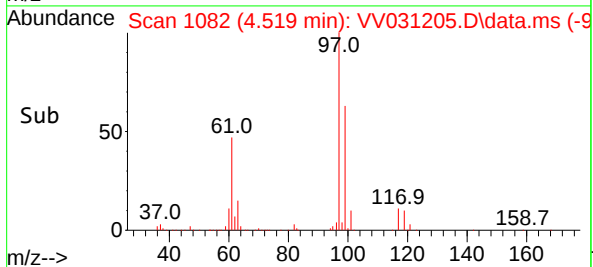
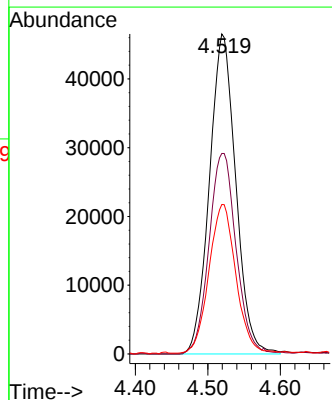
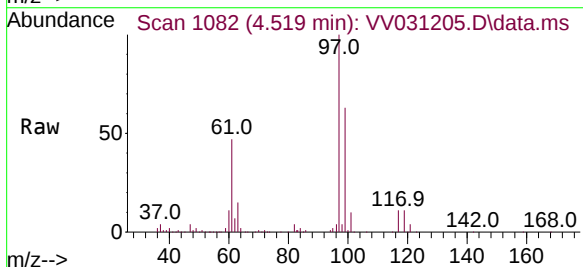
Tgt Ion: 97 Resp: 117472

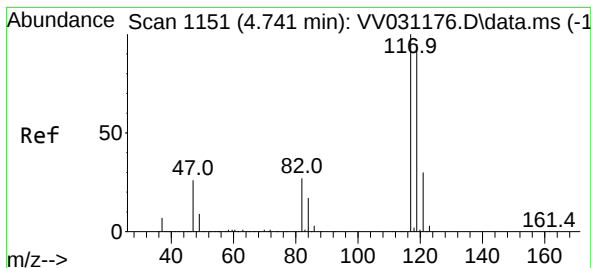
Ion Ratio Lower Upper

97 100

99 64.1 51.9 77.9

61 47.5 38.2 57.2





#31

Carbon tetrachloride

Concen: 57.123 ug/L

RT: 4.744 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

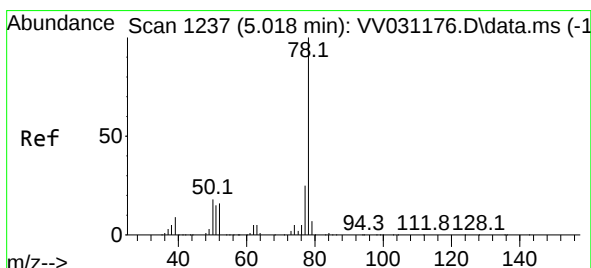
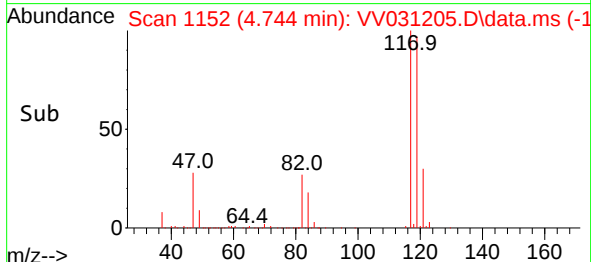
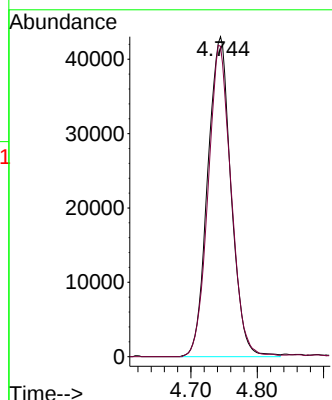
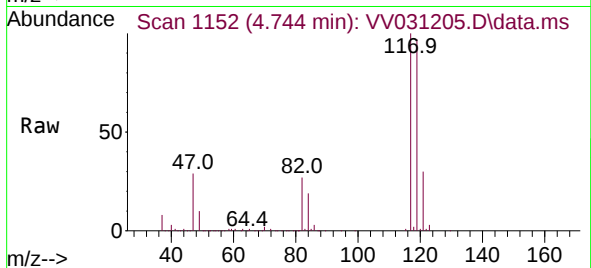
VSTD050353

Tgt Ion:117 Resp: 105372

Ion Ratio Lower Upper

117 100

119 95.5 76.9 115.3



#33

Benzene

Concen: 54.913 ug/L

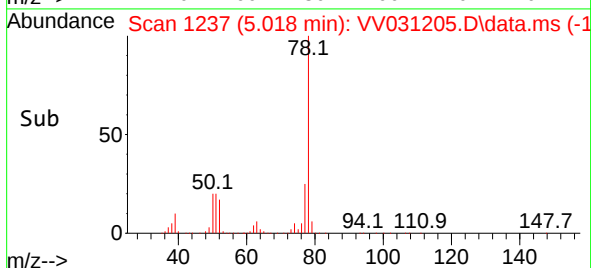
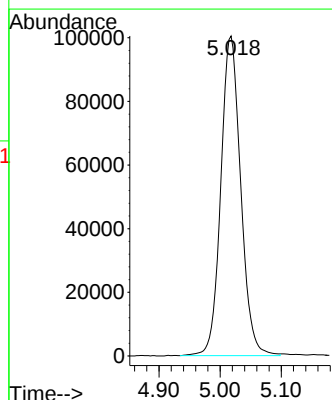
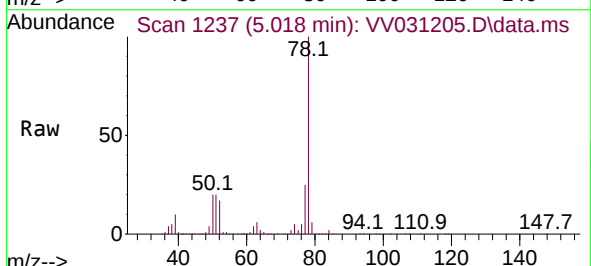
RT: 5.018 min Scan# 1237

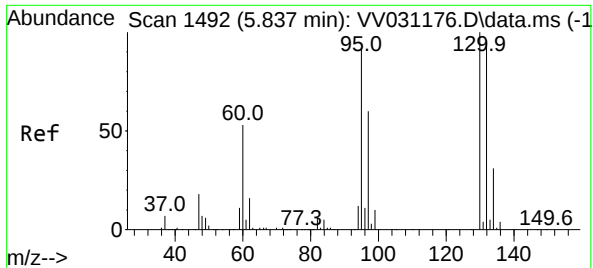
Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Tgt Ion: 78 Resp: 227003



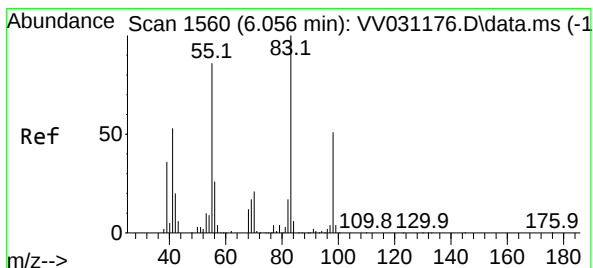
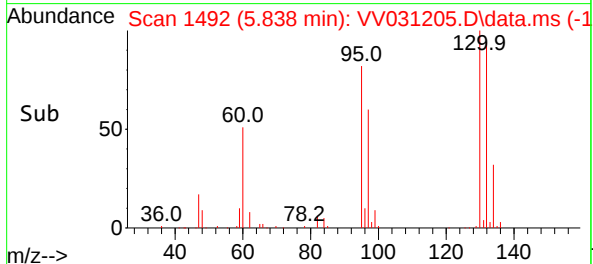
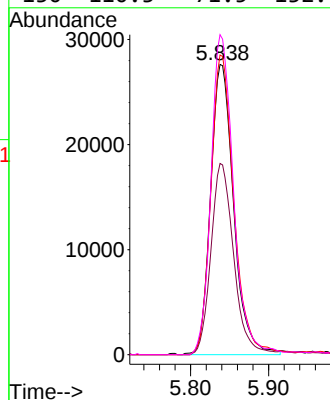
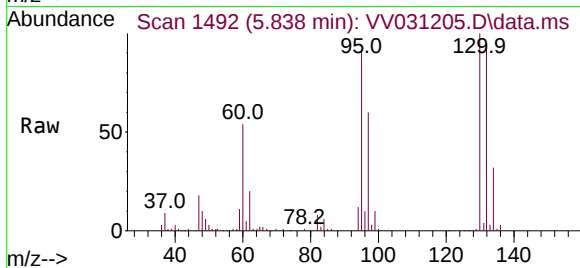


#34
Trichloroethene
Concen: 51.172 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

Tgt Ion: 95 Resp: 56681

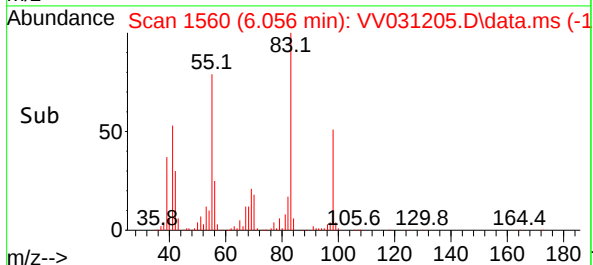
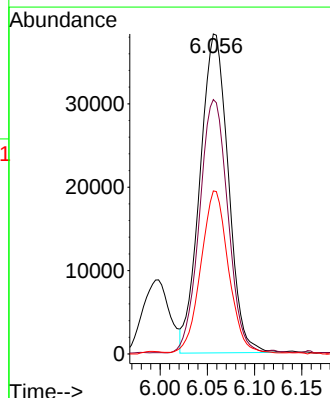
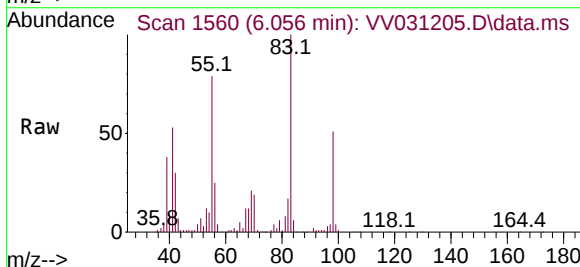
Ion	Ratio	Lower	Upper
95	100		
97	65.9	44.4	82.5
132	103.3	70.2	130.4
130	110.3	71.5	132.7

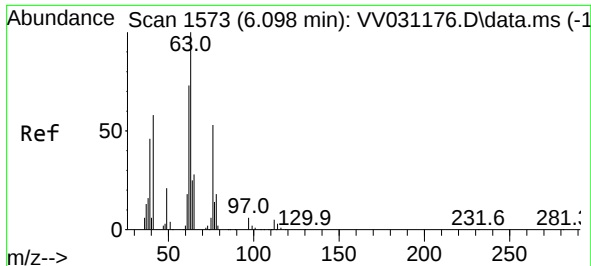


#35
Methylcyclohexane
Concen: 54.312 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 83 Resp: 79829

Ion	Ratio	Lower	Upper
83	100		
55	79.2	64.2	96.2
98	50.3	40.0	60.0





#37

1,2-Dichloropropane

Concen: 53.557 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

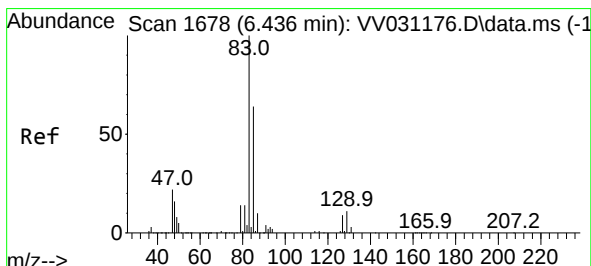
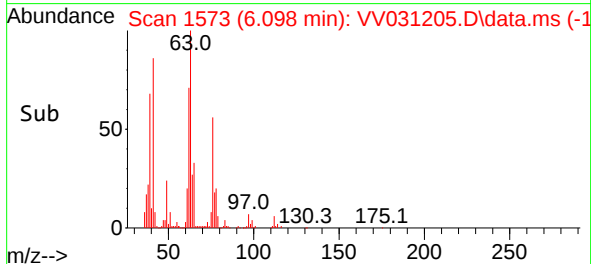
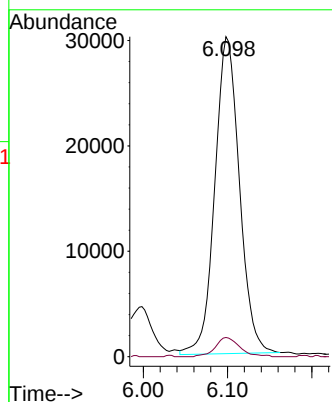
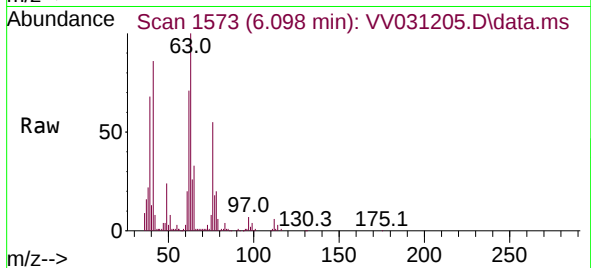
VSTD050353

Tgt Ion: 63 Resp: 60937

Ion Ratio Lower Upper

63 100

112 5.9 4.3 6.5



#38

Bromodichloromethane

Concen: 55.488 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

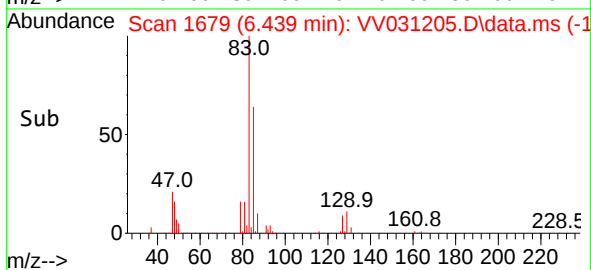
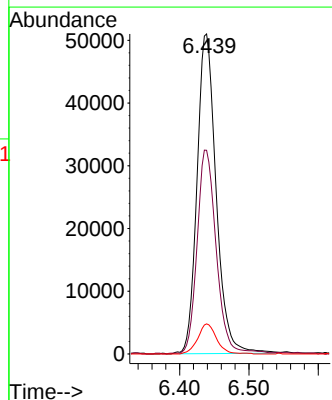
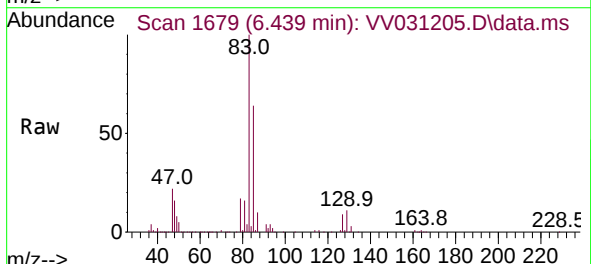
Tgt Ion: 83 Resp: 97868

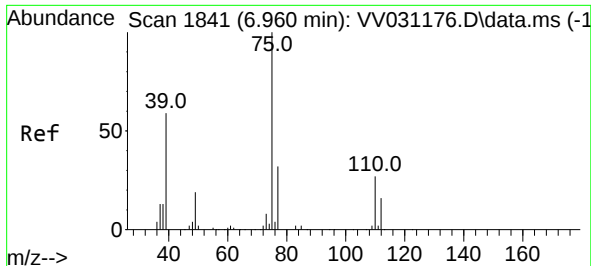
Ion Ratio Lower Upper

83 100

85 63.7 44.0 81.6

127 9.4 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 53.421 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

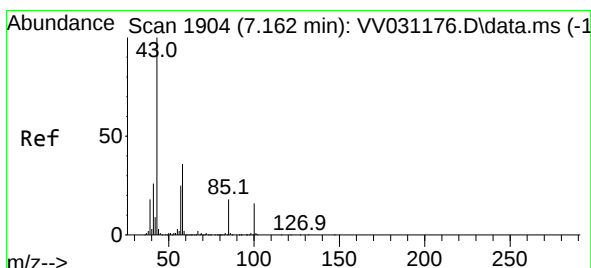
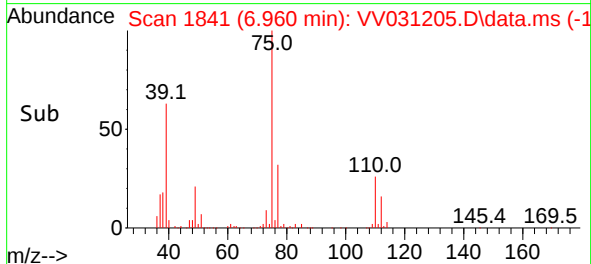
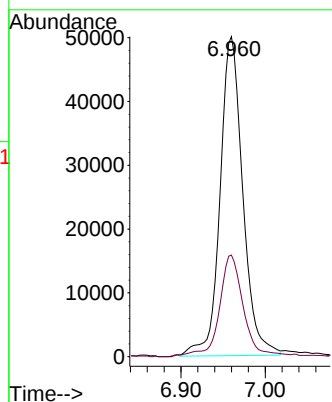
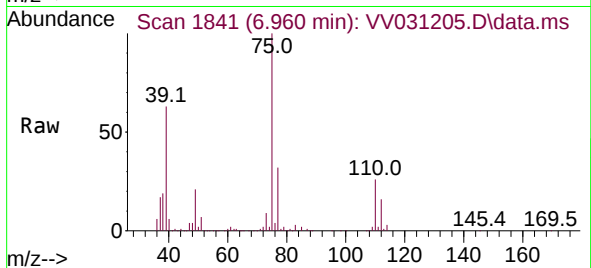
VSTD050353

Tgt Ion: 75 Resp: 93728

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



#40

4-Methyl-2-pentanone

Concen: 112.823 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

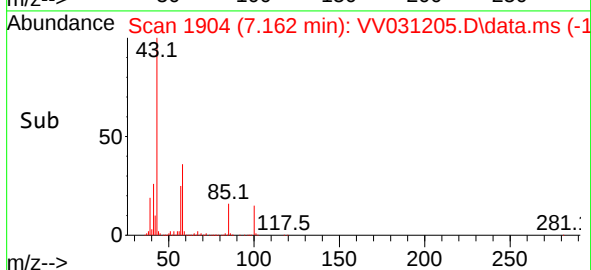
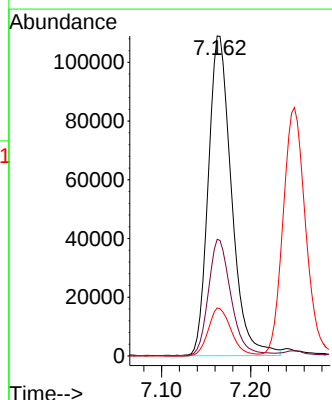
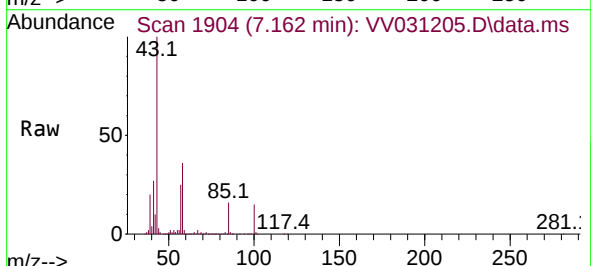
Tgt Ion: 43 Resp: 197534

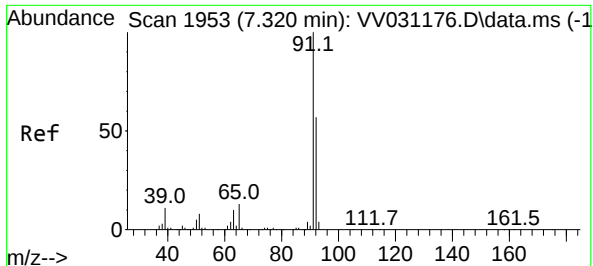
Ion Ratio Lower Upper

43 100

58 35.8 29.0 43.4

100 14.8 12.2 18.4





#42

Toluene

Concen: 58.178 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

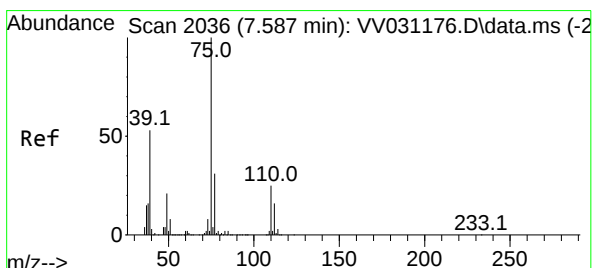
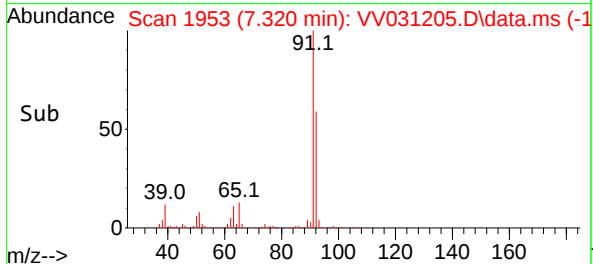
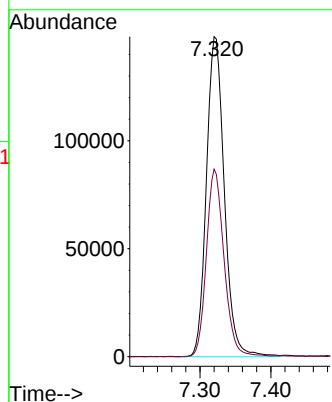
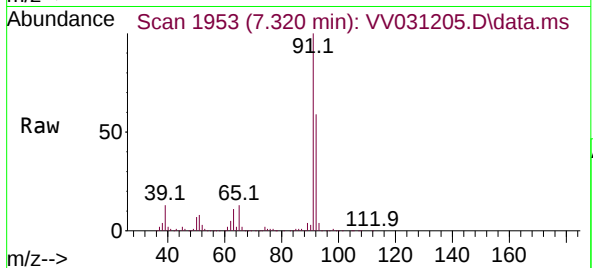
VSTD050353

Tgt Ion: 91 Resp: 260203

Ion Ratio Lower Upper

91 100

92 58.6 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 58.359 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031205.D

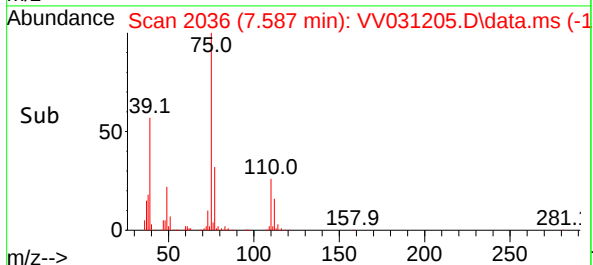
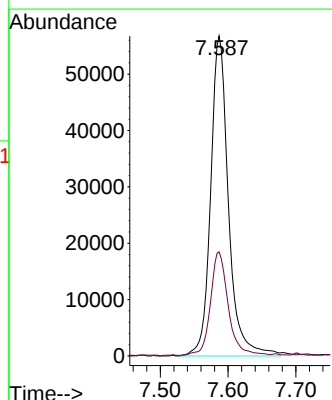
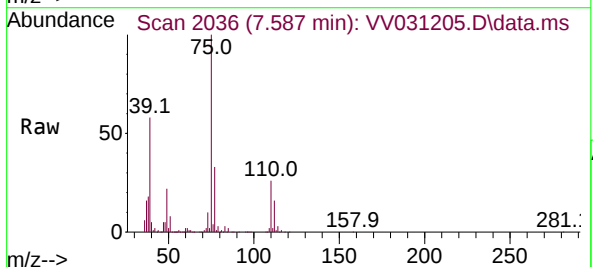
Acq: 24 May 2023 10:36

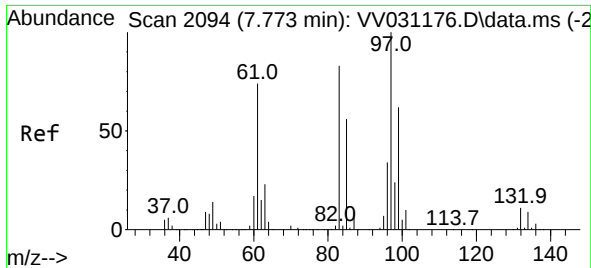
Tgt Ion: 75 Resp: 103581

Ion Ratio Lower Upper

75 100

77 32.6 22.2 41.2

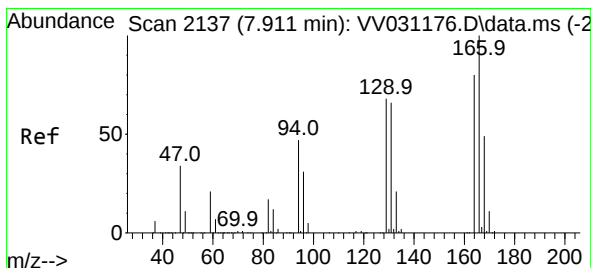
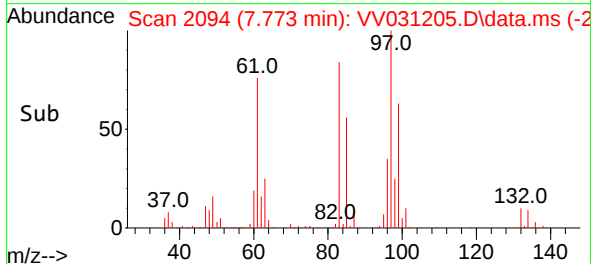
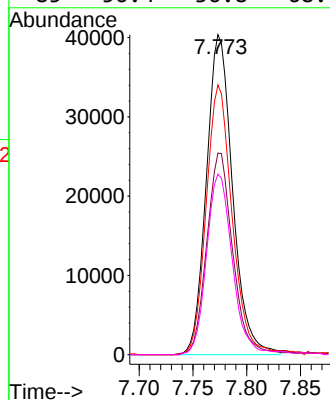
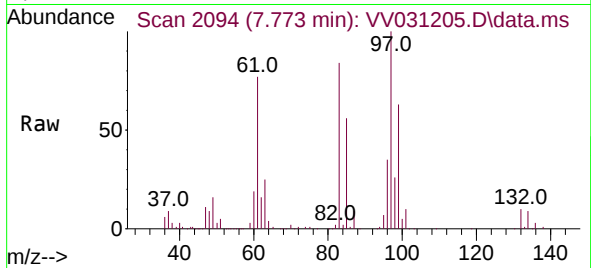




#45
1,1,2-Trichloroethane
Concen: 55.125 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

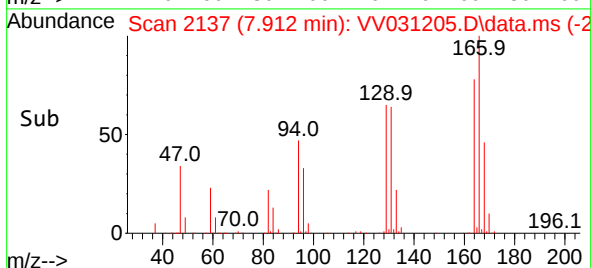
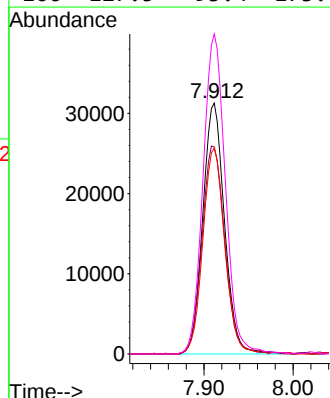
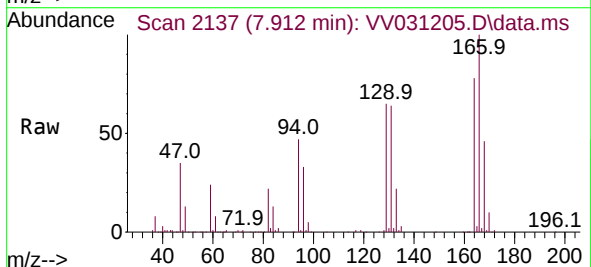
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

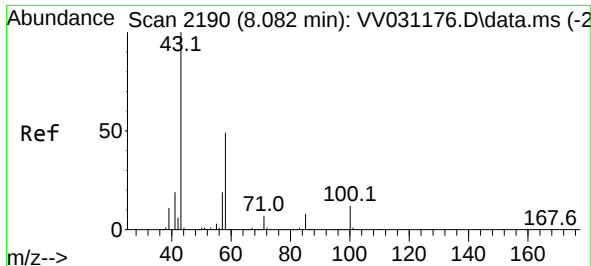
Tgt Ion: 97	Resp: 68442
Ion Ratio	Lower Upper
97 100	
99 63.0	43.2 80.2
83 84.3	60.5 112.3
85 56.4	36.8 68.4



#46
Tetrachloroethene
Concen: 55.599 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt	Ion:164	Resp:	52882
Ion	Ratio	Lower	Upper
164	100		
129	82.4	65.5	121.7
131	82.1	62.1	115.3
166	127.5	93.4	173.4

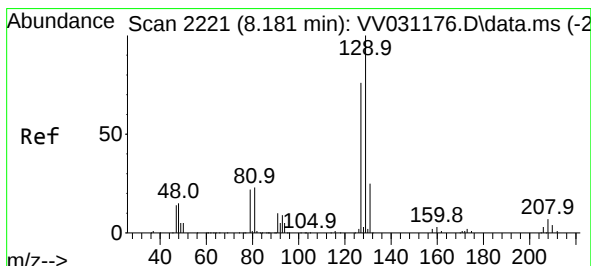
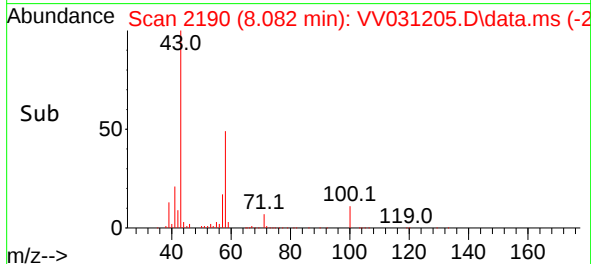
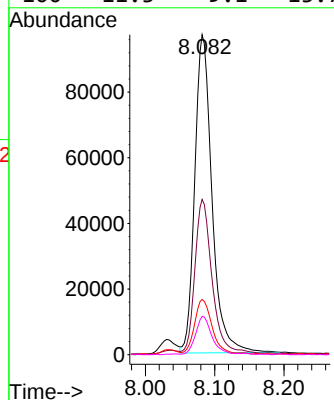
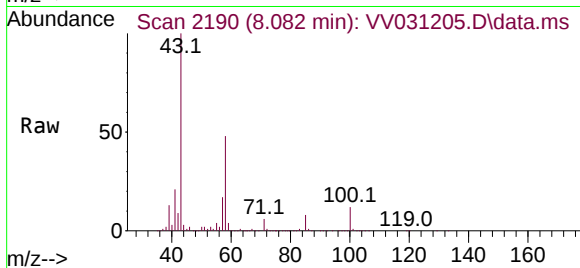




#48
2-Hexanone
Concen: 115.200 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

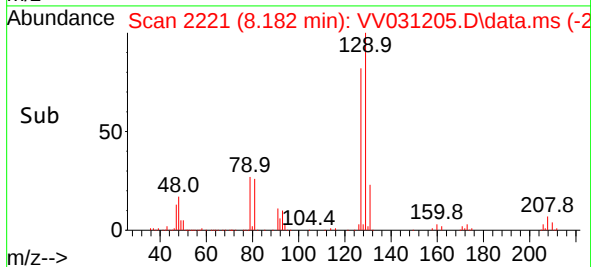
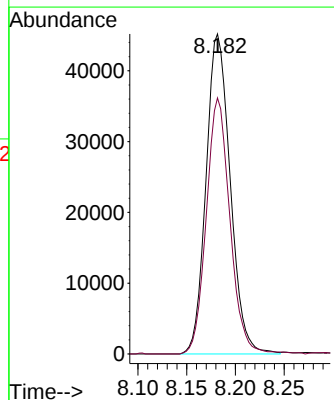
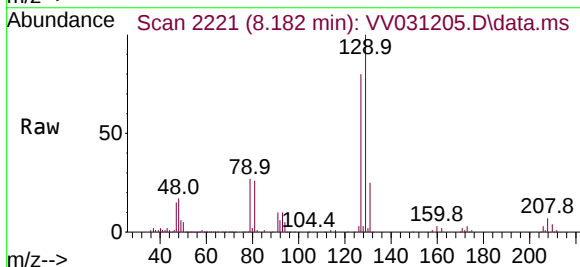
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

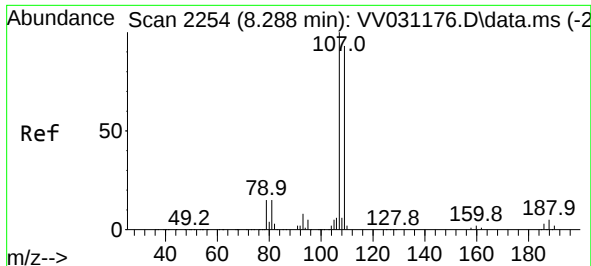
Tgt Ion: 43 Resp: 167994
Ion Ratio Lower Upper
43 100
58 48.0 39.8 59.6
57 16.7 14.4 21.6
100 11.3 9.1 13.7



#49
Dibromochloromethane
Concen: 55.811 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 129 Resp: 78182
Ion Ratio Lower Upper
129 100
127 80.0 56.1 104.1

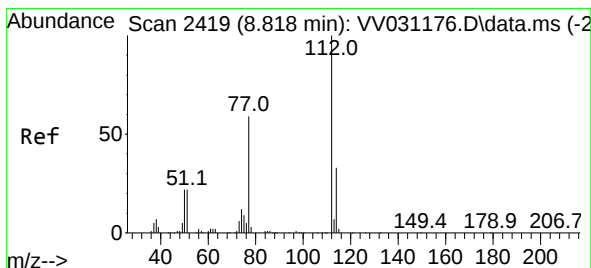
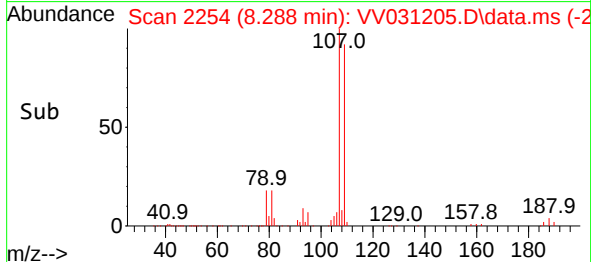
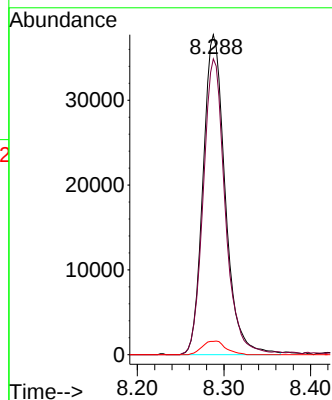
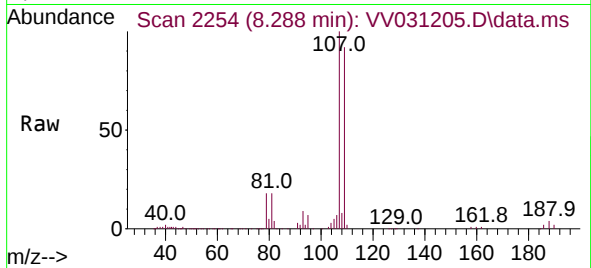




#50
1,2-Dibromoethane
Concen: 54.238 ug/L
RT: 8.288 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

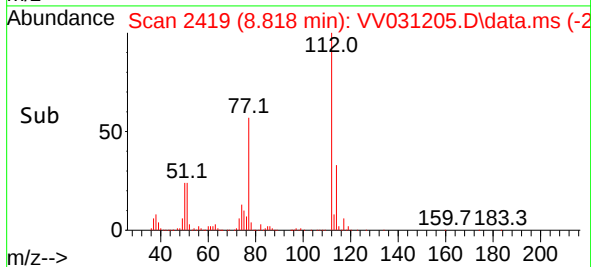
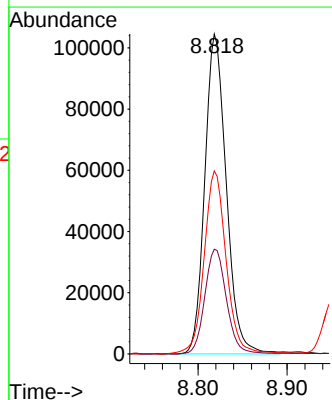
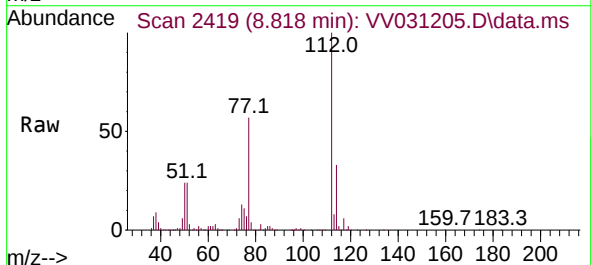
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

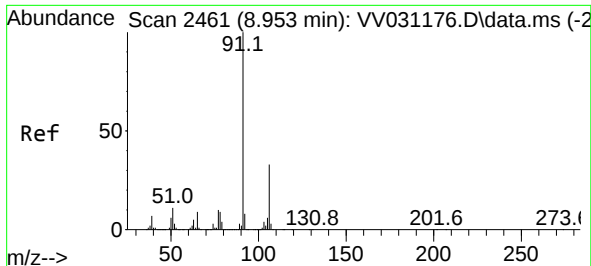
Tgt Ion:107 Resp: 66952
Ion Ratio Lower Upper
107 100
109 92.5 65.6 121.8
188 4.2 3.8 5.6



#51
Chlorobenzene
Concen: 54.904 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion:112 Resp: 174780
Ion Ratio Lower Upper
112 100
114 32.8 23.0 42.8
77 57.2 46.2 69.4

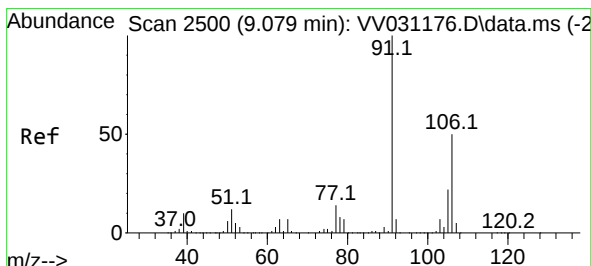
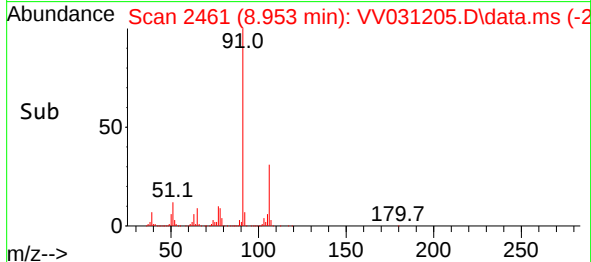
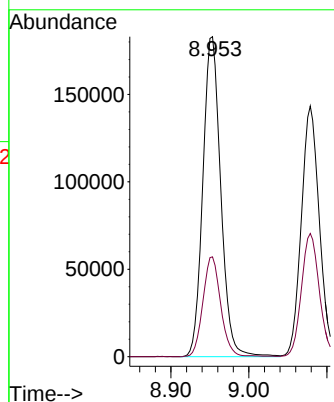
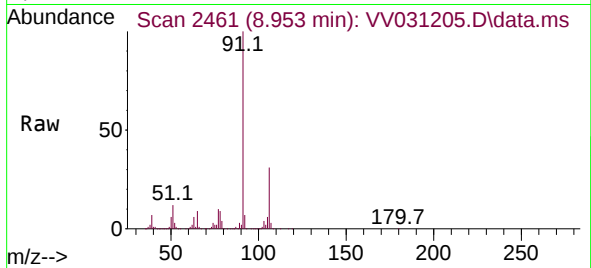




#52
Ethylbenzene
Concen: 57.248 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

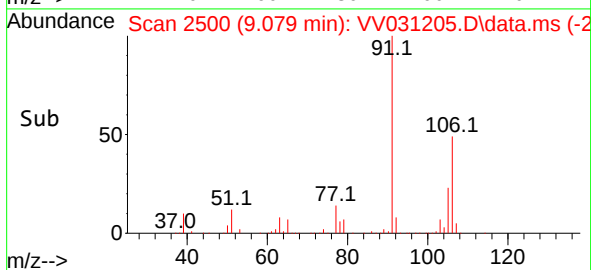
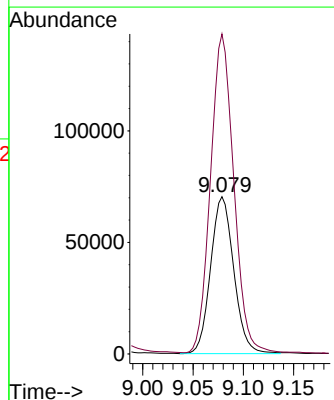
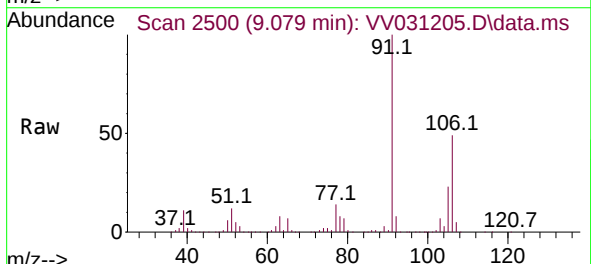
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

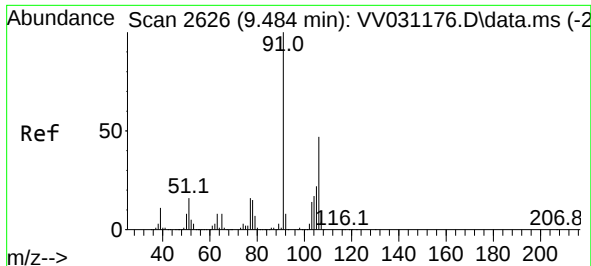
Tgt Ion: 91 Resp: 293152
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9



#53
m,p-Xylene
Concen: 56.691 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 106 Resp: 112610
Ion Ratio Lower Upper
106 100
91 203.4 145.3 269.8

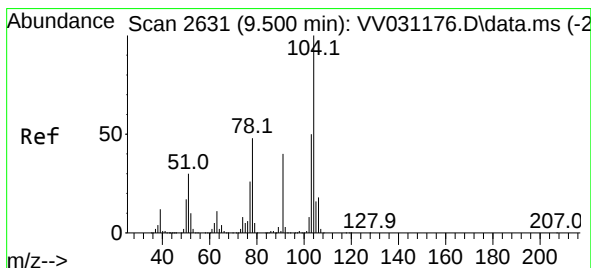
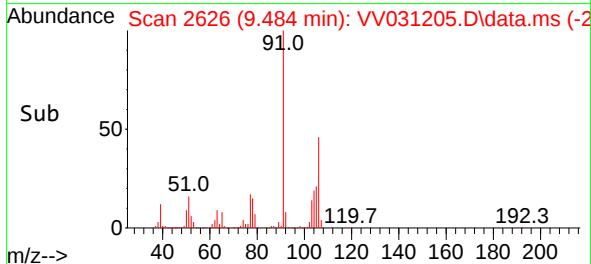
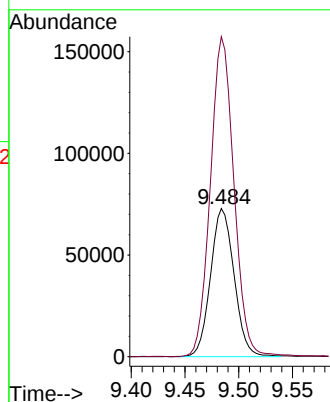
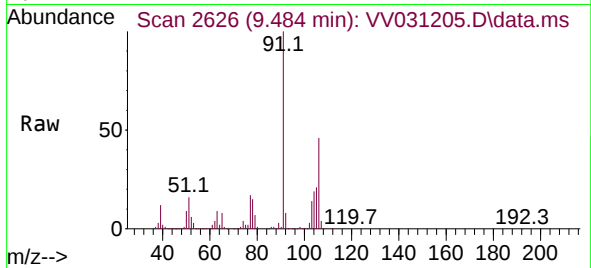




#54
o-Xylene
Concen: 56.797 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

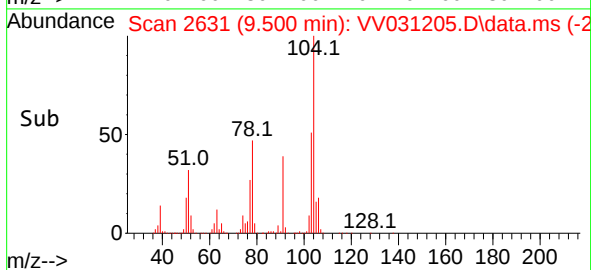
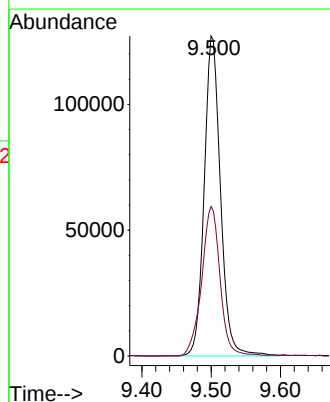
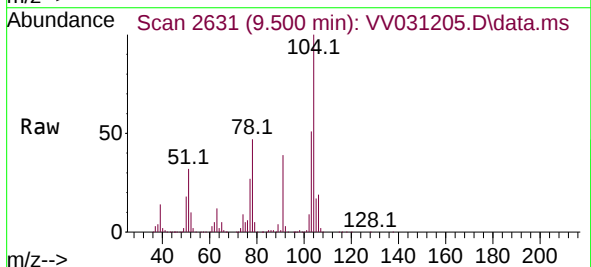
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

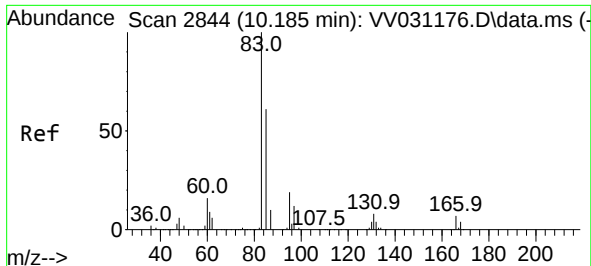
Tgt Ion:106 Resp: 111296
Ion Ratio Lower Upper
106 100
91 216.1 150.4 279.2



#55
Styrene
Concen: 60.028 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion:104 Resp: 208036
Ion Ratio Lower Upper
104 100
78 46.7 33.2 61.6

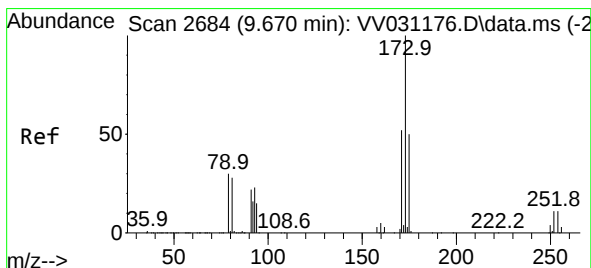
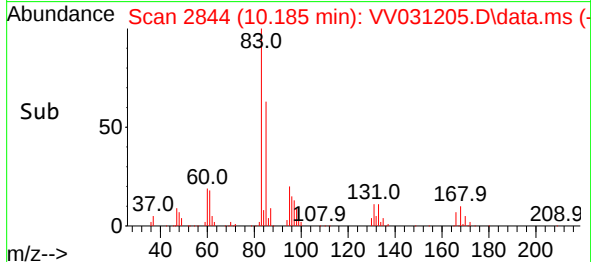
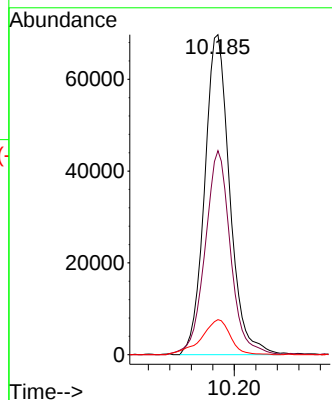
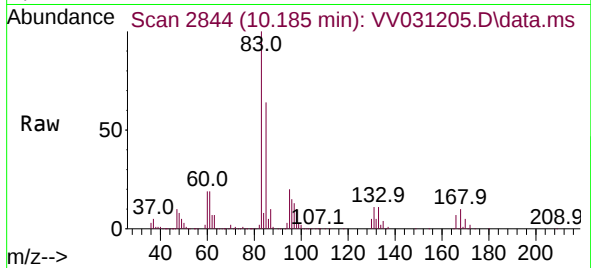




#57
1,1,2,2-Tetrachloroethane
Concen: 55.499 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

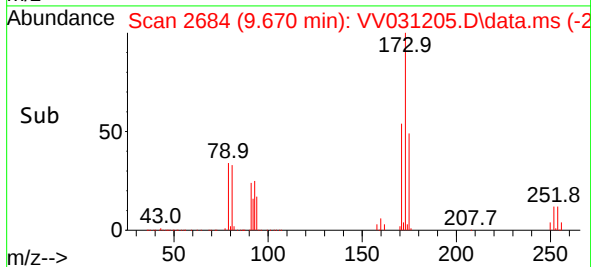
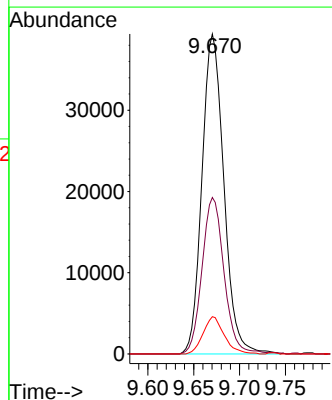
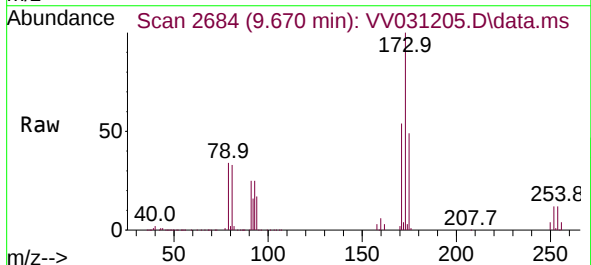
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

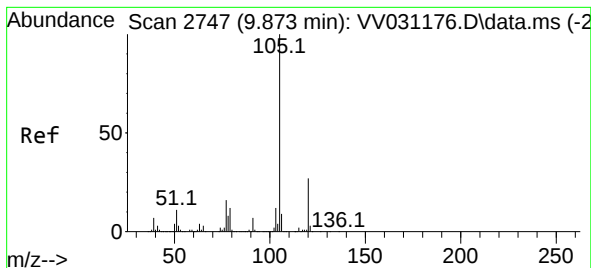
Tgt Ion: 83 Resp: 113218
Ion Ratio Lower Upper
83 100
85 63.7 45.0 83.6
131 11.0 9.2 13.8



#59
Bromoform
Concen: 52.095 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion: 173 Resp: 65473
Ion Ratio Lower Upper
173 100
175 49.0 38.8 58.2
254 11.3 8.8 13.2





#60

Isopropylbenzene

Concen: 54.641 ug/L

RT: 9.873 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050353

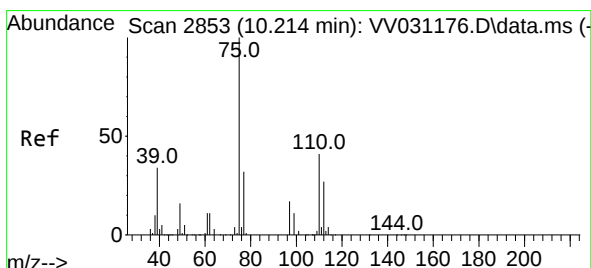
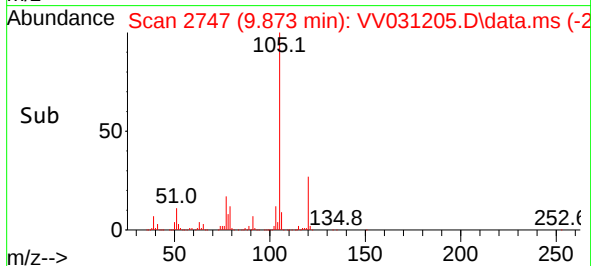
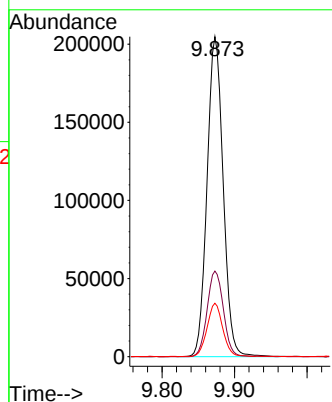
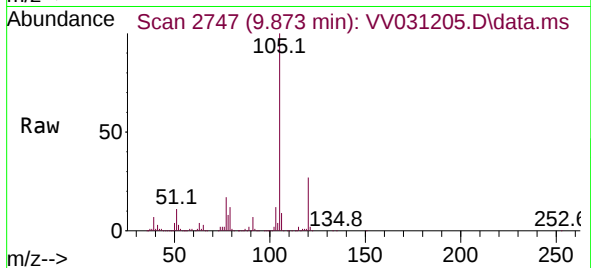
Tgt Ion:105 Resp: 316746

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.0

77 16.1 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 52.731 ug/L

RT: 10.214 min Scan# 2853

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

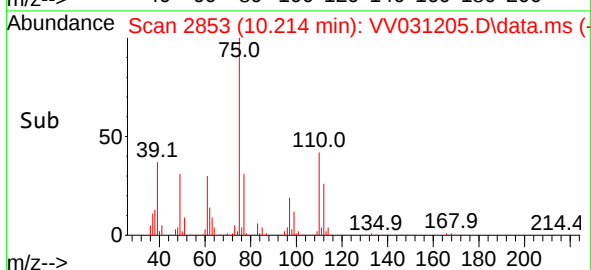
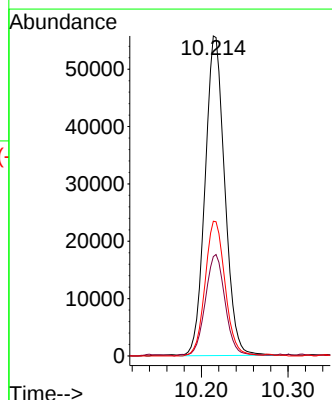
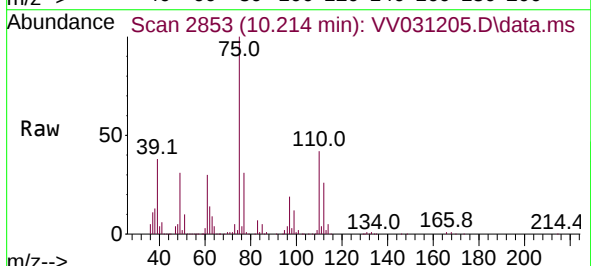
Tgt Ion: 75 Resp: 87927

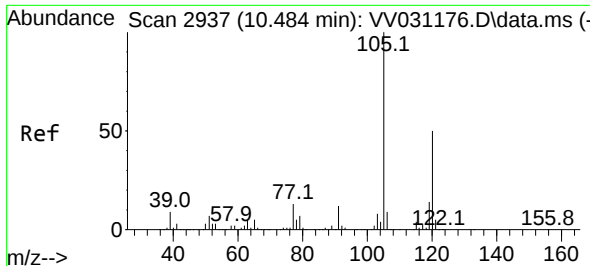
Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

110 42.9 32.5 48.7

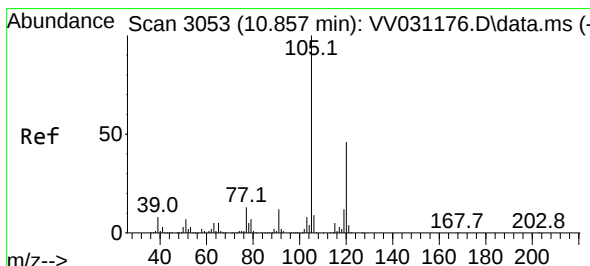
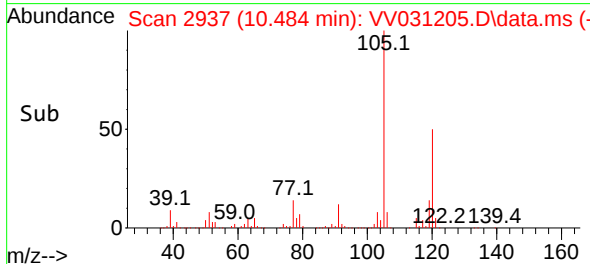
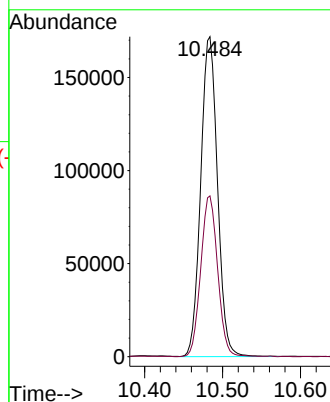
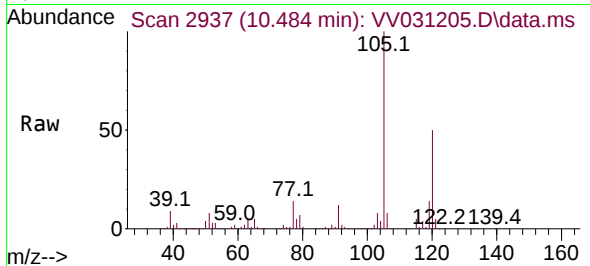




#62
1,3,5-Trimethylbenzene
Concen: 53.936 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

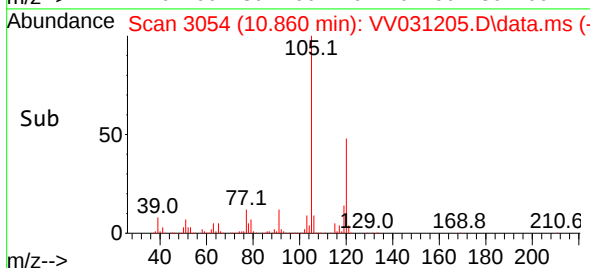
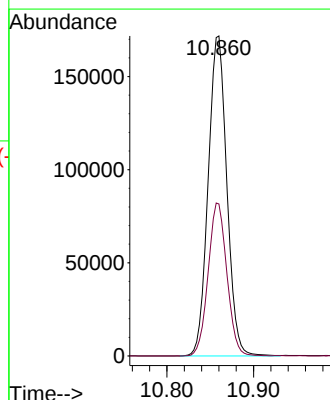
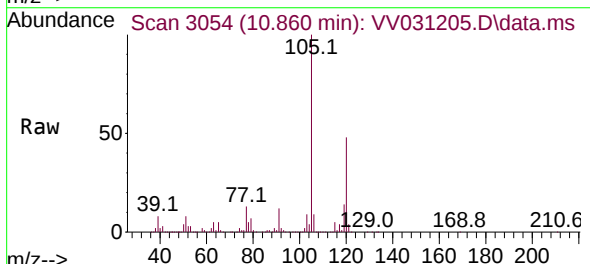
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

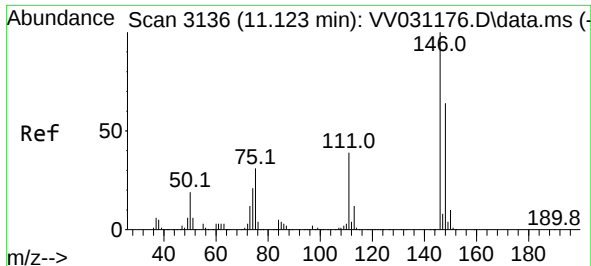
Tgt Ion:105 Resp: 257001
Ion Ratio Lower Upper
105 100
120 50.7 40.5 60.7



#63
1,2,4-Trimethylbenzene
Concen: 55.248 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion:105 Resp: 257403
Ion Ratio Lower Upper
105 100
120 47.9 37.5 56.3

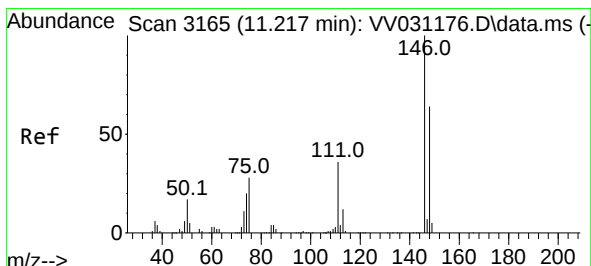
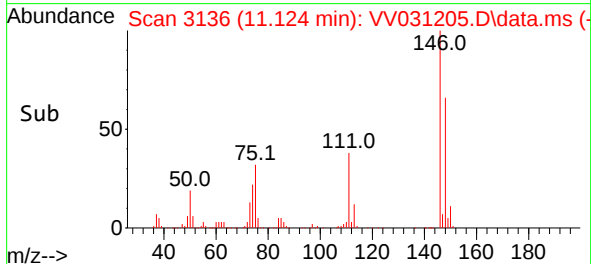
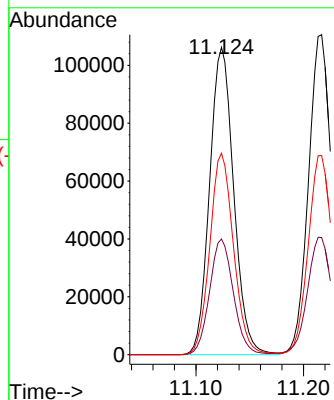
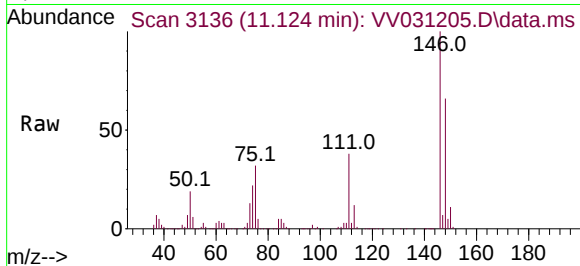




#64
1,3-Dichlorobenzene
Concen: 55.628 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

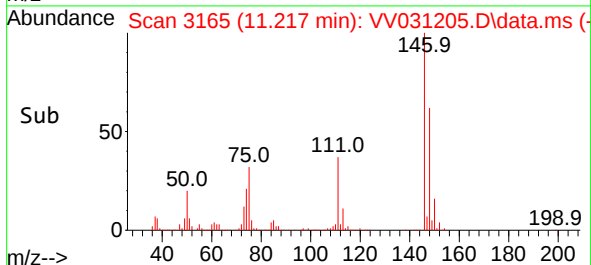
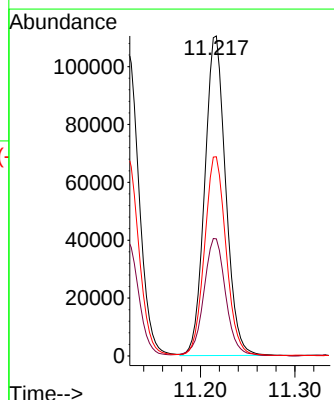
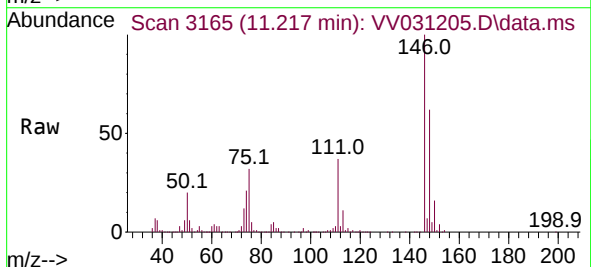
Instrument :
MSVOA_V
ClientSampleId :
VSTD050353

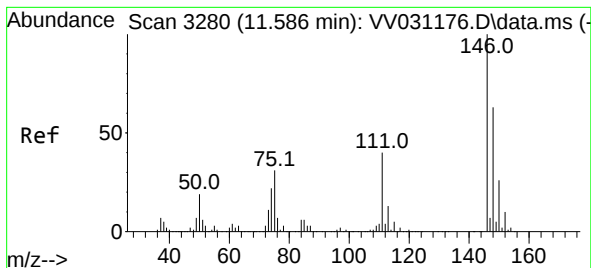
Tgt Ion:146 Resp: 165228
Ion Ratio Lower Upper
146 100
111 37.6 27.2 50.4
148 65.6 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 55.124 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV031205.D
Acq: 24 May 2023 10:36

Tgt Ion:146 Resp: 170337
Ion Ratio Lower Upper
146 100
111 36.6 25.5 47.3
148 62.2 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 56.226 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050353

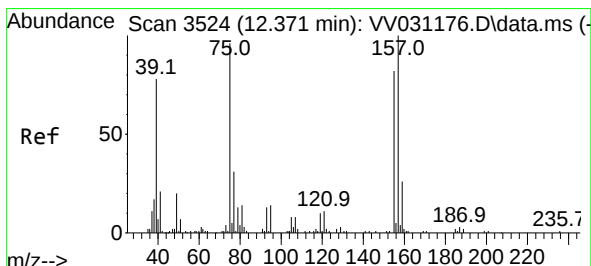
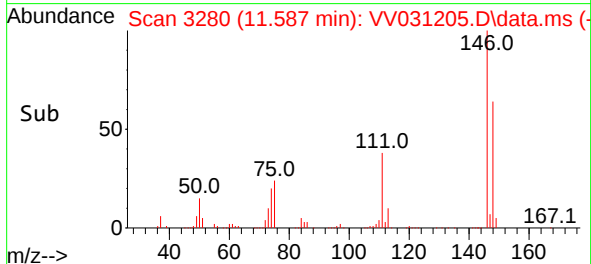
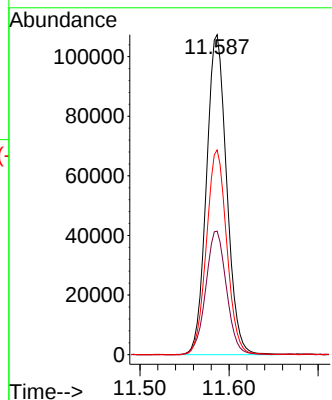
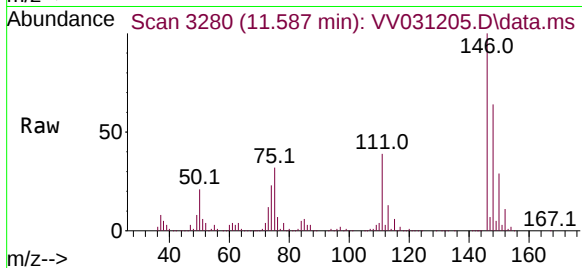
Tgt Ion:146 Resp: 169455

Ion Ratio Lower Upper

146 100

111 38.6 31.4 47.2

148 64.0 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 50.461 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

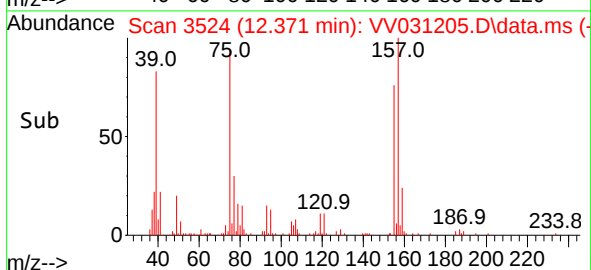
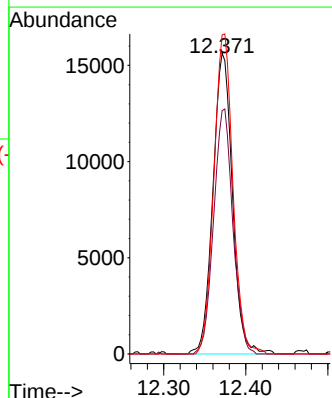
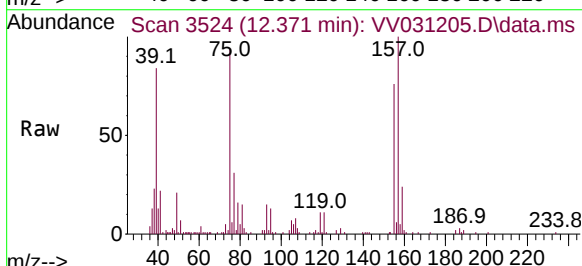
Tgt Ion: 75 Resp: 25829

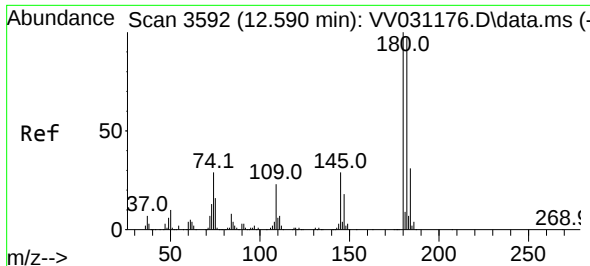
Ion Ratio Lower Upper

75 100

155 80.9 70.9 106.3

157 106.1 88.1 132.1

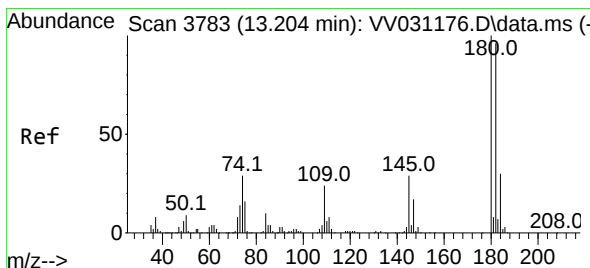
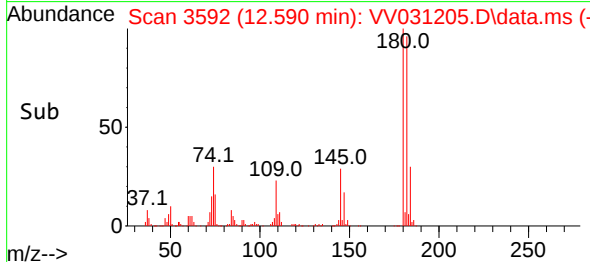
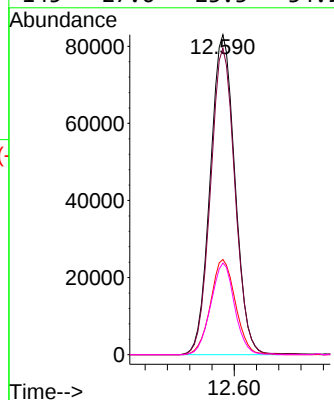
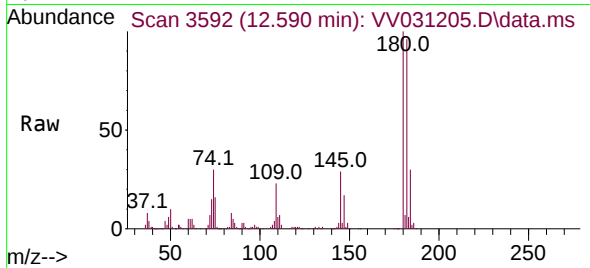




#69
 1,3,5-Trichlorobenzene
 Concen: 55.514 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. 0.000 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

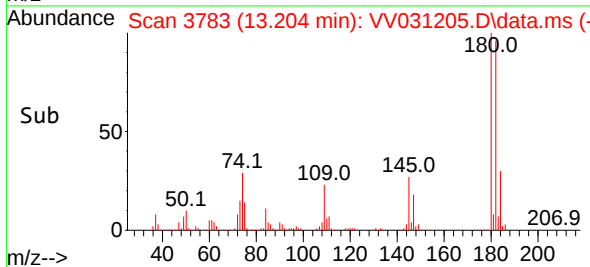
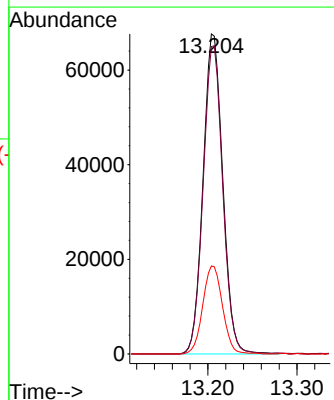
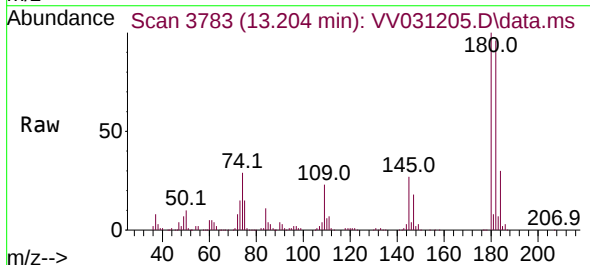
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050353

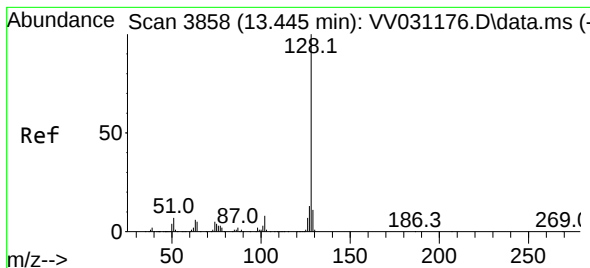
Tgt Ion:180	Resp:	127467
Ion Ratio	Lower	Upper
180	100	
182	94.8	76.6 115.0
184	30.1	24.6 37.0
145	27.6	23.3 34.9



#70
 1,2,4-trichlorobenzene
 Concen: 53.150 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. 0.000 min
 Lab File: VV031205.D
 Acq: 24 May 2023 10:36

Tgt Ion:180	Resp:	103859
Ion Ratio	Lower	Upper
180	100	
182	95.7	75.4 113.2
145	27.4	23.1 34.7





#71

Naphthalene

Concen: 49.770 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD050353

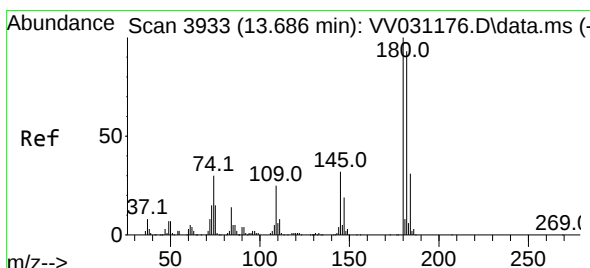
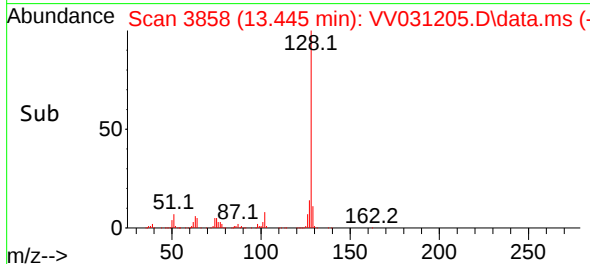
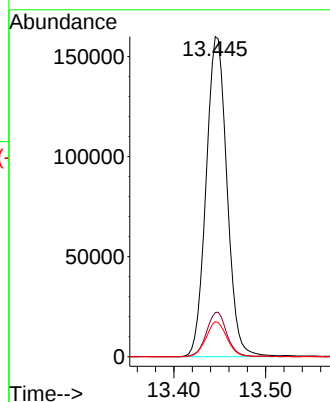
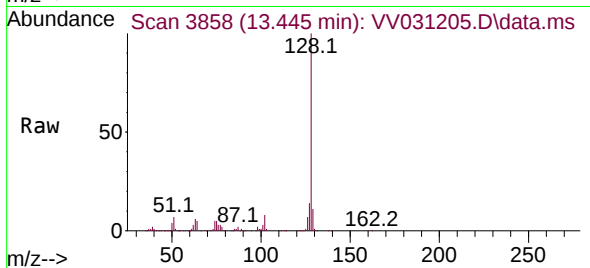
Tgt Ion:128 Resp: 252616

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.9 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 53.459 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.000 min

Lab File: VV031205.D

Acq: 24 May 2023 10:36

Tgt Ion:180 Resp: 104389

Ion Ratio Lower Upper

180 100

182 95.7 75.4 113.0

145 30.3 24.2 36.4

