

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031390.D
 Acq On : 07 Jun 2023 11:15
 Operator : SY/MD
 Sample : VSTD05029
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050229

Quant Time: Jun 08 03:59:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 03:57:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	279875	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	281003	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	168472	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	123307	50.075	ug/L	0.00
7) Chloroethane-d5	1.532	69	102651	51.490	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	59680	51.138	ug/L	0.00
21) 2-Butanone-d5	3.796	46	186677	105.819	ug/L	0.00
24) Chloroform-d	4.256	84	240999	51.452	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	162762	51.798	ug/L	0.00
32) Benzene-d6	4.966	84	432107	52.084	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	147396	51.113	ug/L	0.00
41) Toluene-d8	7.249	98	408865	53.649	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	74614	51.366	ug/L	0.00
47) 2-Hexanone-d5	8.030	63	117074	108.107	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	189395	52.042	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	153917	49.250	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	56221	50.092	ug/L	100
3) Chloromethane	1.217	50	44024	48.336	ug/L	100
5) Vinyl chloride	1.282	62	54624	50.268	ug/L	100
6) Bromomethane	1.491	94	30872	47.268	ug/L	100
8) Chloroethane	1.548	64	42951	49.058	ug/L	100
9) Trichlorofluoromethane	1.716	101	130780	49.860	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	84646	49.903	ug/L	100
12) 1,1-Dichloroethene	2.073	96	54980	49.242	ug/L	100
13) Acetone	2.127	43	159660	100.289	ug/L	100
14) Carbon disulfide	2.243	76	42413	44.409	ug/L	100
15) Methyl Acetate	2.378	43	122465	50.942	ug/L	100
16) Methylene chloride	2.449	84	81251	48.209	ug/L	100
17) trans-1,2-Dichloroethene	2.700	96	53405	50.449	ug/L	100
18) Methyl tert-butyl Ether	2.706	73	326655	50.201	ug/L	100
19) 1,1-Dichloroethane	3.114	63	184247	50.317	ug/L	100
20) cis-1,2-Dichloroethene	3.822	96	85219	49.515	ug/L	100
22) 2-Butanone	3.880	43	200193	103.157	ug/L	100
23) Bromochloromethane	4.153	128	46231	51.081	ug/L	100
25) Chloroform	4.281	83	204275	50.027	ug/L	100
27) 1,2-Dichloroethane	5.047	62	153778	51.576	ug/L	100
29) Cyclohexane	4.590	56	74958	49.806	ug/L	100
30) 1,1,1-Trichloroethane	4.519	97	165736	49.967	ug/L	100
31) Carbon tetrachloride	4.741	117	137009	49.724	ug/L	100
33) Benzene	5.015	78	320277	51.655	ug/L	100
34) Trichloroethene	5.838	95	95514	48.896	ug/L	100
35) Methylcyclohexane	6.056	83	82198	49.200	ug/L	100
37) 1,2-Dichloropropane	6.098	63	112038	50.202	ug/L	100
38) Bromodichloromethane	6.436	83	163653	50.102	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	163771	49.118	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	385775	106.410	ug/L	100
42) Toluene	7.320	91	362510	52.234	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	176073	52.063	ug/L	100

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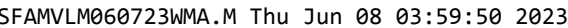
Instrument :
 MSVOA_V
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 VSTD050229

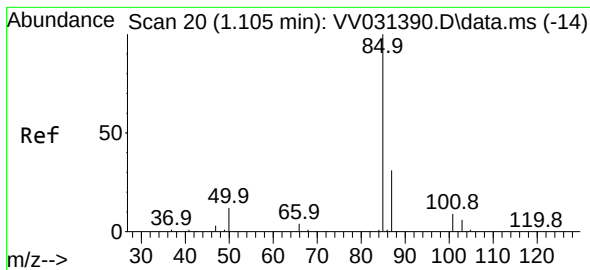
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	118880	51.534	ug/L	100
46) Tetrachloroethene	7.912	164	63232	49.862	ug/L	100
48) 2-Hexanone	8.082	43	311694	109.839	ug/L	100
49) Dibromochloromethane	8.182	129	128530	51.077	ug/L	100
50) 1,2-Dibromoethane	8.288	107	112760	50.774	ug/L	100
51) Chlorobenzene	8.818	112	264265	50.079	ug/L	100
52) Ethylbenzene	8.950	91	446402	51.684	ug/L	100
53) m,p-Xylene	9.079	106	162423	52.183	ug/L	100
54) o-Xylene	9.484	106	161796	51.529	ug/L	100
55) Styrene	9.500	104	317113	55.396	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	181671	51.376	ug/L	100
59) Bromoform	9.670	173	104073	48.211	ug/L	100
60) Isopropylbenzene	9.873	105	479416	49.800	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	167533	49.123	ug/L	100
62) 1,3,5-Trimethylbenzene	10.481	105	409366	51.489	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	413429	51.950	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	241887	49.088	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	251167	48.190	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	247528	49.002	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.371	75	45324	50.139	ug/L	100
69) 1,3,5-Trichlorobenzene	12.587	180	182429	48.087	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	156917	48.484	ug/L	100
71) Naphthalene	13.445	128	403676	45.507	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	156339	48.192	ug/L	100

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

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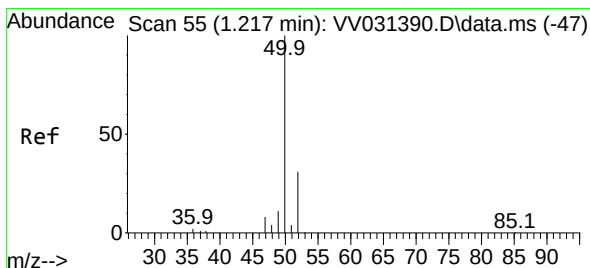
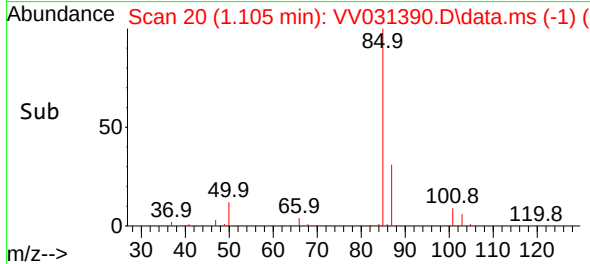
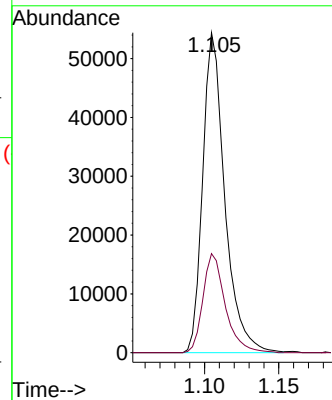
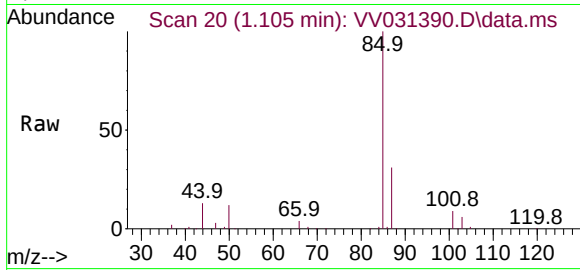




#2
Dichlorodifluoromethane
Concen: 50.092 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

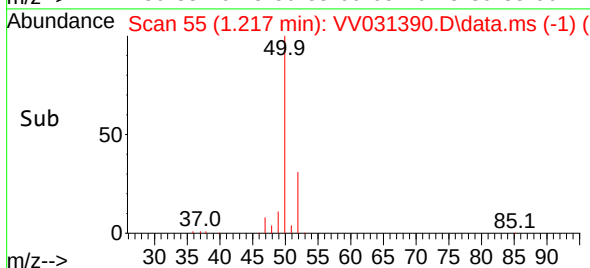
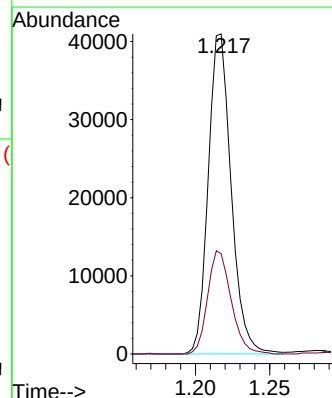
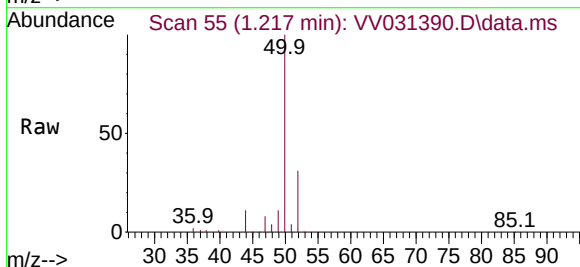
Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

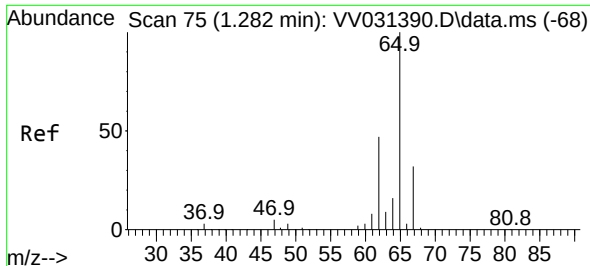
Tgt Ion: 85 Resp: 56221
Ion Ratio Lower Upper
85 100
87 31.3 25.0 37.6



#3
Chloromethane
Concen: 48.336 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion: 50 Resp: 44024
Ion Ratio Lower Upper
50 100
52 31.3 21.9 40.7

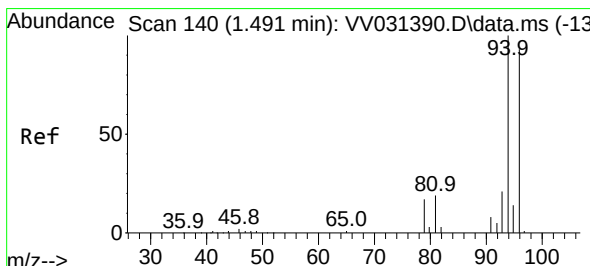
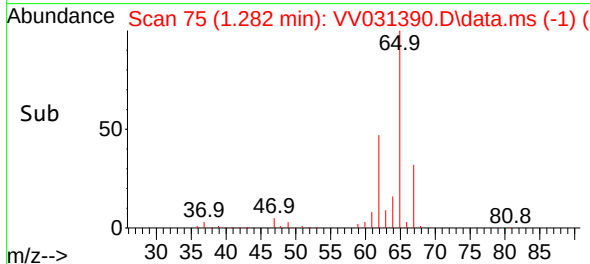
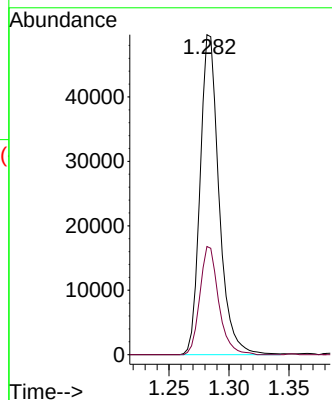
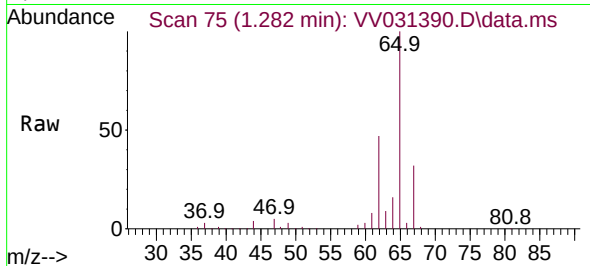




#5
 Vinyl chloride
 Concen: 50.268 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. 0.000 min
 Lab File: VV031390.D
 Acq: 07 Jun 2023 11:15

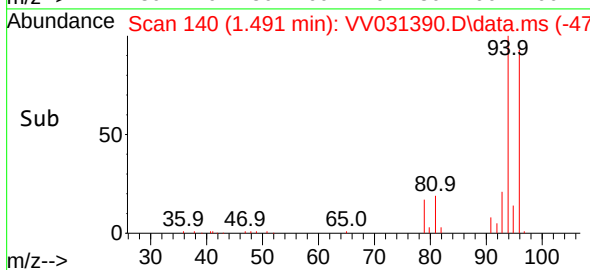
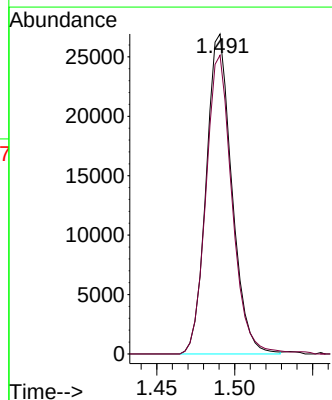
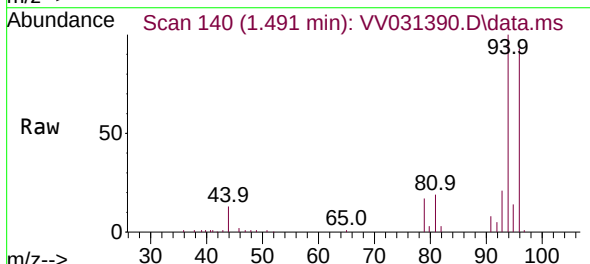
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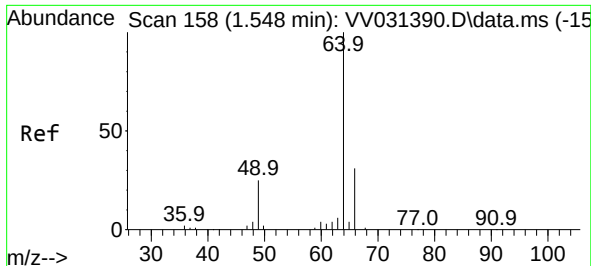
Tgt Ion: 62 Resp: 54624
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.7 43.9



#6
 Bromomethane
 Concen: 47.268 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031390.D
 Acq: 07 Jun 2023 11:15

Tgt Ion: 94 Resp: 30872
 Ion Ratio Lower Upper
 94 100
 96 93.4 65.4 121.4

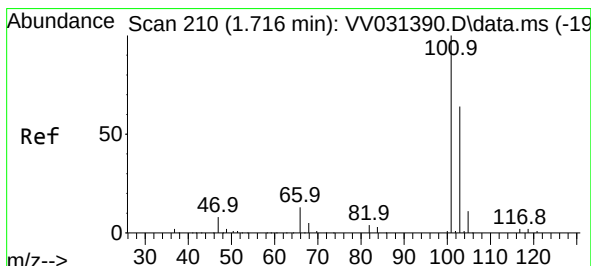
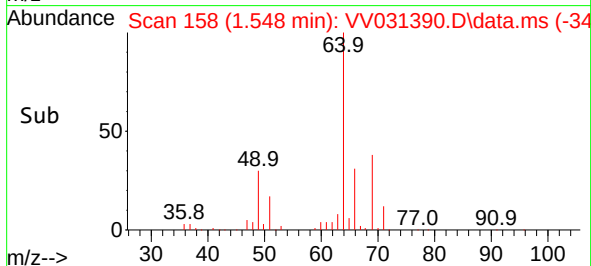
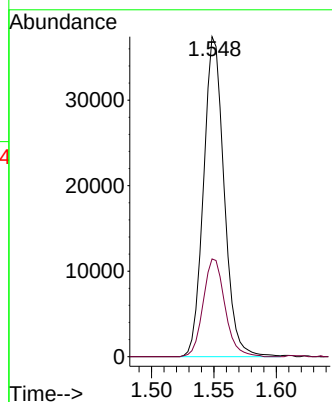
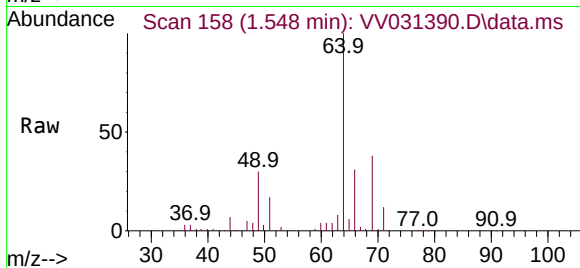




#8
Chloroethane
Concen: 49.058 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

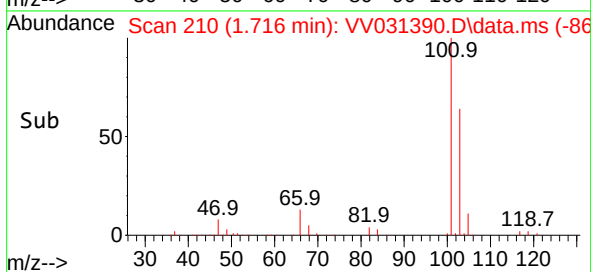
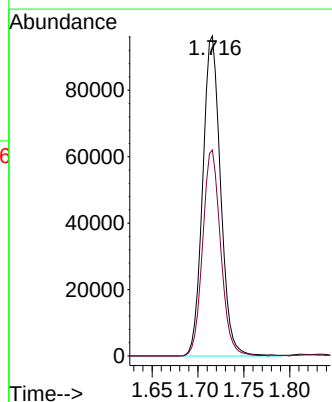
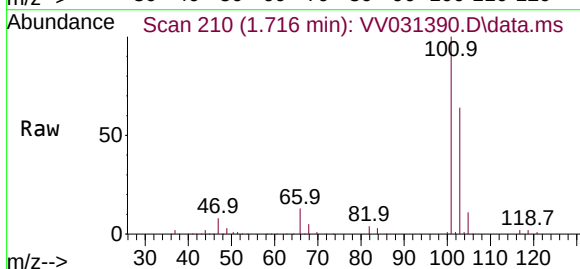
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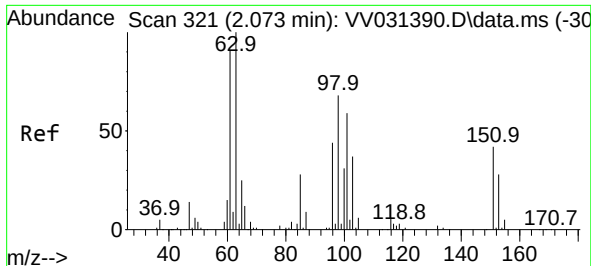
Tgt Ion: 64 Resp: 42951
Ion Ratio Lower Upper
64 100
66 30.6 21.4 39.8



#9
Trichlorofluoromethane
Concen: 49.860 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion:101 Resp: 130780
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 49.903 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD050229

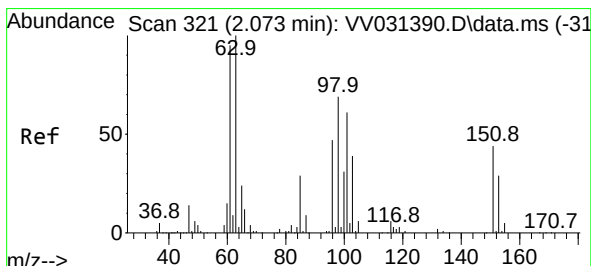
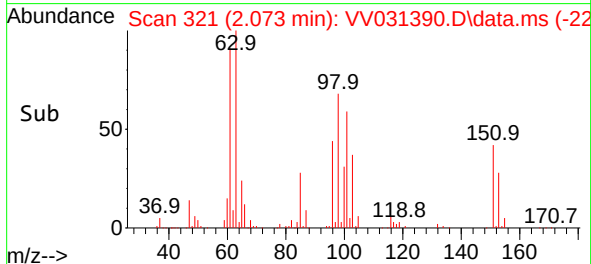
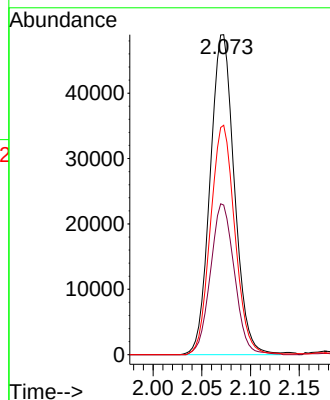
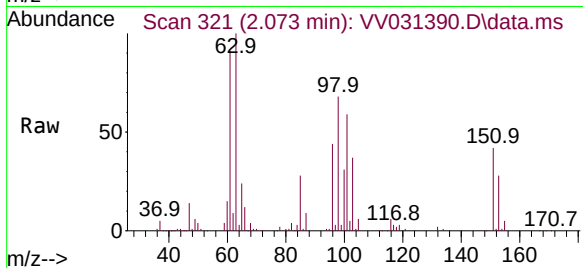
Tgt Ion:101 Resp: 84646

Ion Ratio Lower Upper

101 100

85 46.6 37.3 55.9

151 72.2 57.8 86.6



#12

1,1-Dichloroethene

Concen: 49.242 ug/L

RT: 2.073 min Scan# 321

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

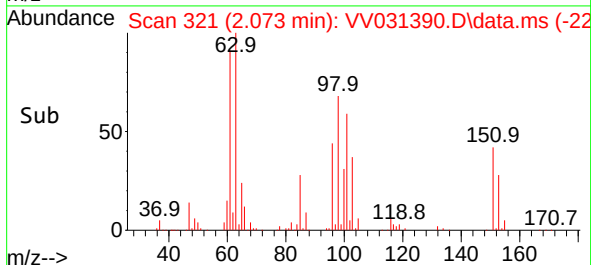
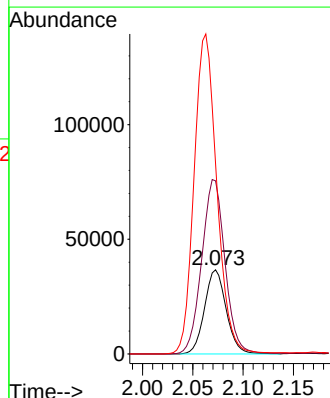
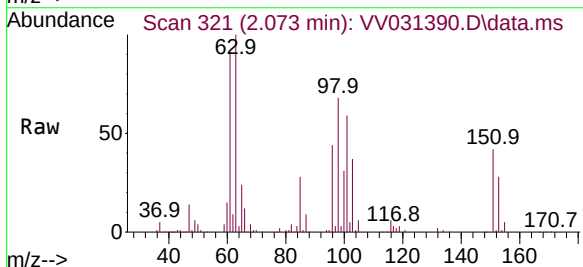
Tgt Ion: 96 Resp: 54980

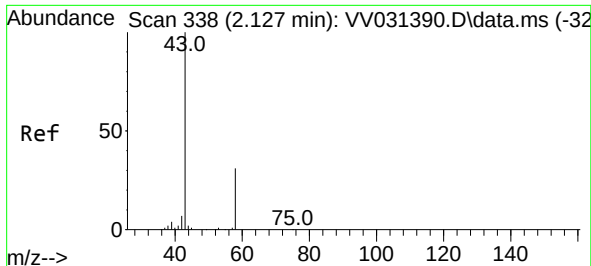
Ion Ratio Lower Upper

96 100

61 205.6 143.9 267.3

63 226.1 158.3 293.9





#13

Acetone

Concen: 100.289 ug/L

RT: 2.127 min Scan# 338

Delta R.T. 0.000 min

Lab File: VV031390.D

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ClientSampleId :

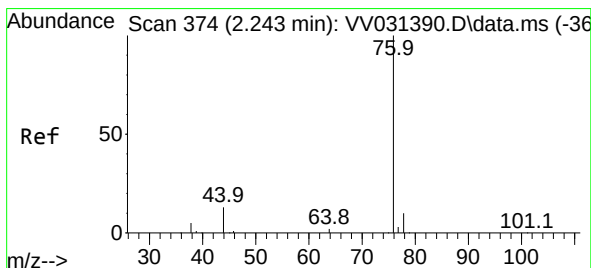
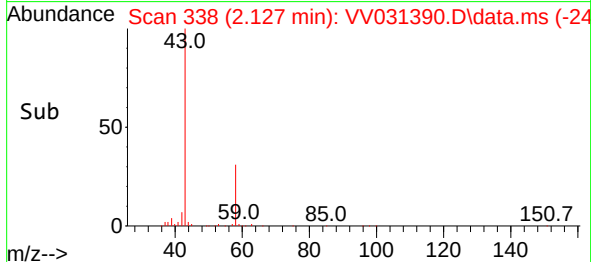
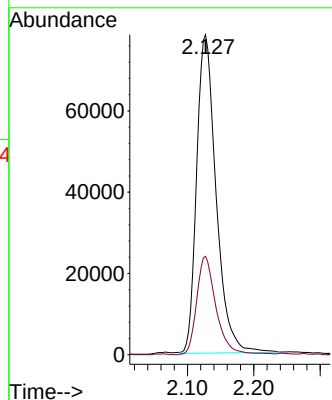
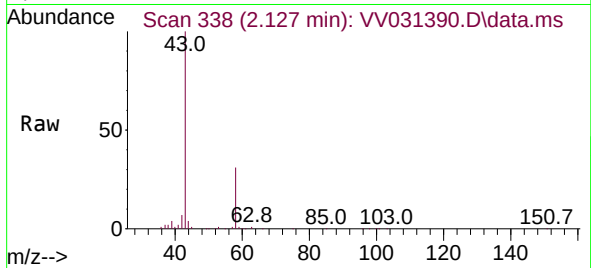
VSTD050229

Tgt Ion: 43 Resp: 159660

Ion Ratio Lower Upper

43 100

58 30.5 0.0 61.0



#14

Carbon disulfide

Concen: 44.409 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031390.D

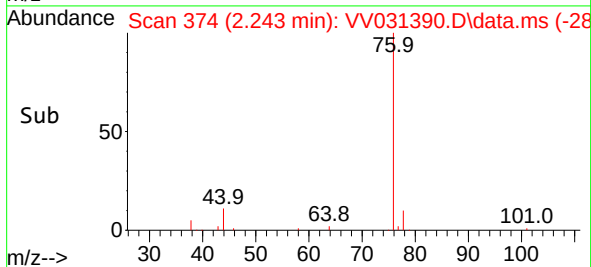
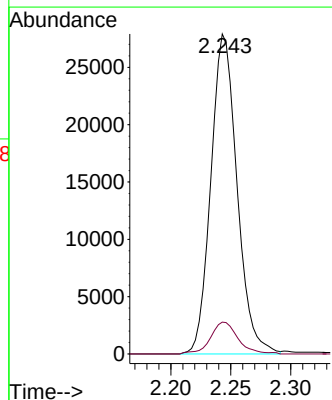
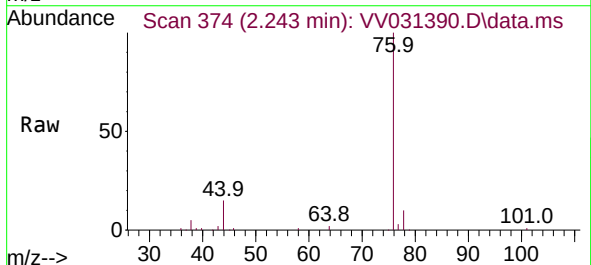
Acq: 07 Jun 2023 11:15

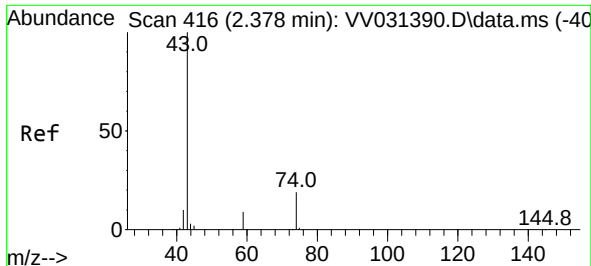
Tgt Ion: 76 Resp: 42413

Ion Ratio Lower Upper

76 100

78 9.9 7.9 11.9

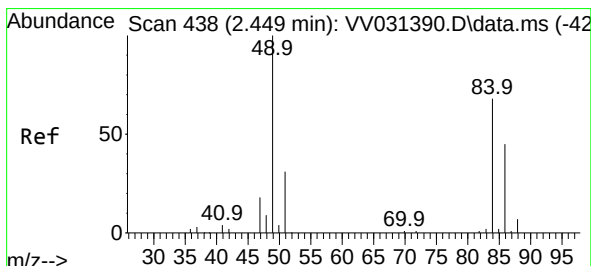
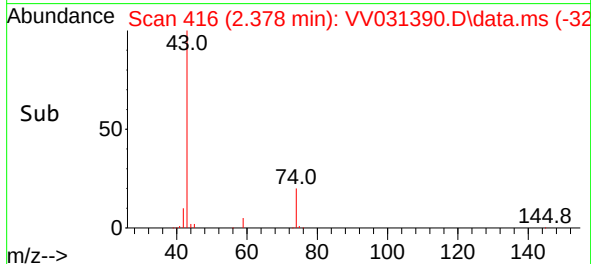
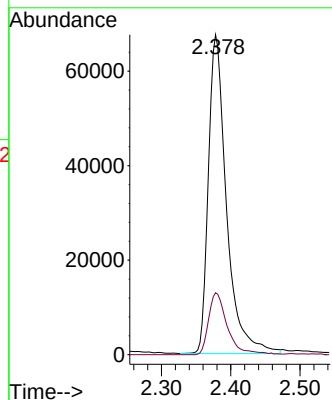
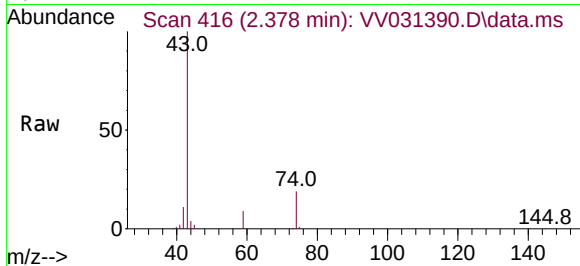




#15
Methyl Acetate
Concen: 50.942 ug/L
RT: 2.378 min Scan# 416
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

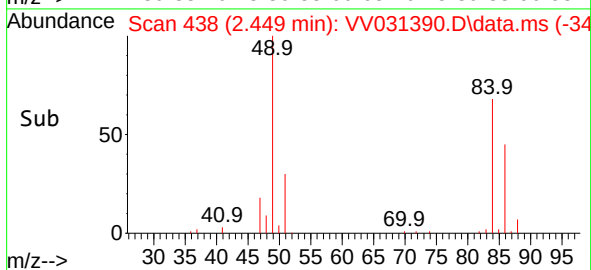
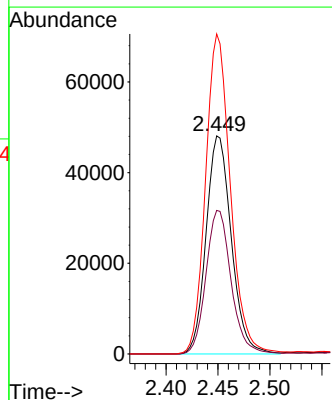
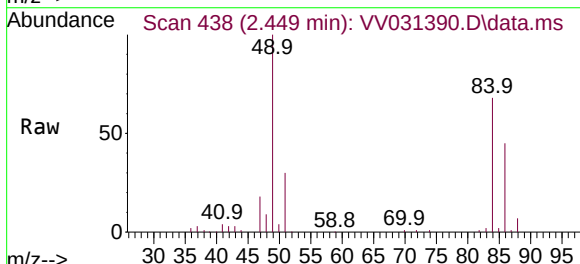
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ClientSampleId :
VSTD050229

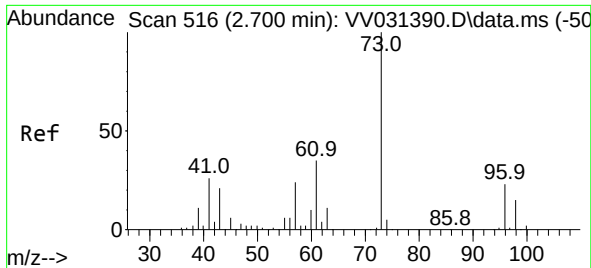
Tgt Ion: 43 Resp: 122465
Ion Ratio Lower Upper
43 100
74 20.0 16.0 24.0



#16
Methylene chloride
Concen: 48.209 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion: 84 Resp: 81251
Ion Ratio Lower Upper
84 100
86 65.8 46.1 85.5
49 146.7 102.7 190.7





#17

trans-1,2-Dichloroethene

Concen: 50.449 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD050229

Tgt Ion: 96 Resp: 53405

Ion Ratio Lower Upper

96 100

61 152.7

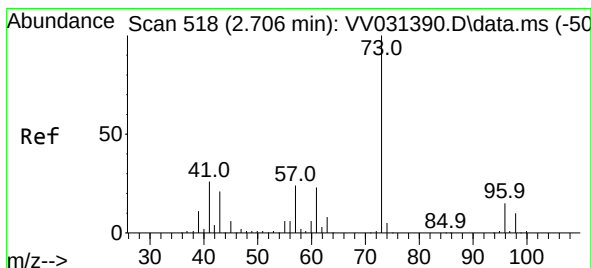
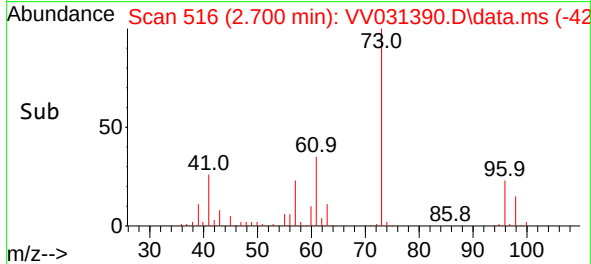
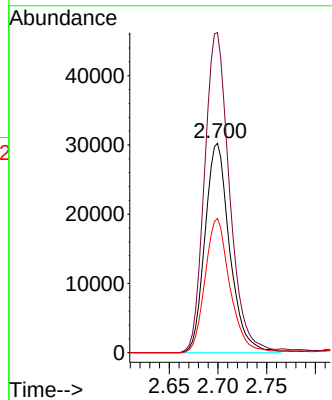
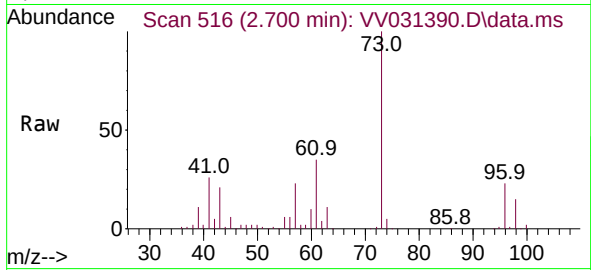
98 64.1

106.9

198.5

44.9

83.3



#18

Methyl tert-butyl Ether

Concen: 50.201 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Tgt Ion: 73 Resp: 326655

Ion Ratio Lower Upper

73 100

43 20.8

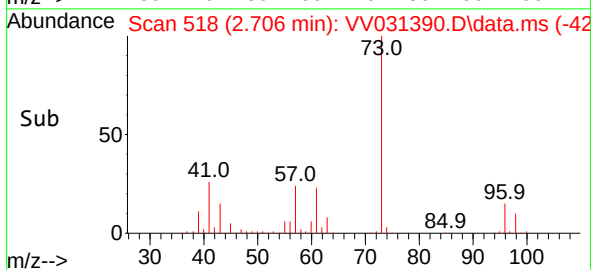
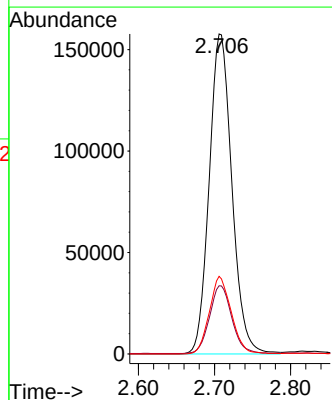
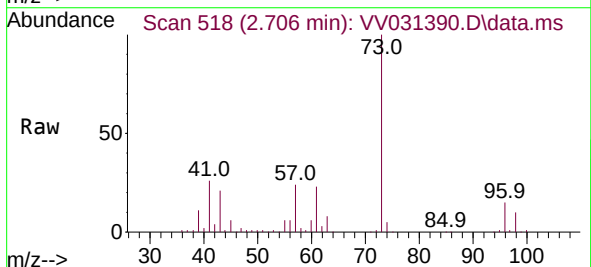
57 23.3

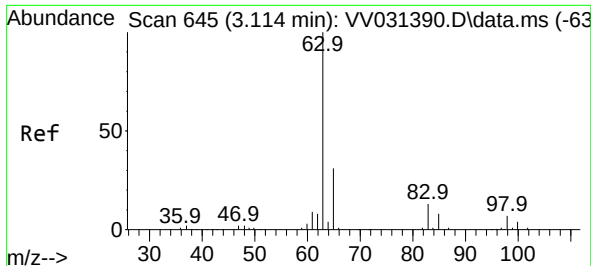
16.6

25.0

18.6

28.0

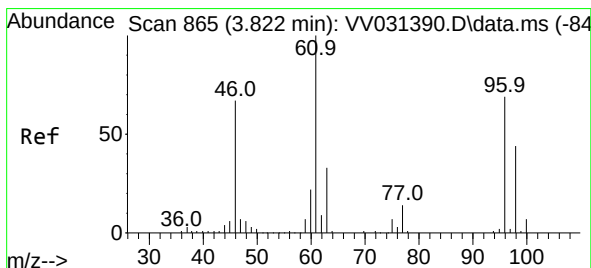
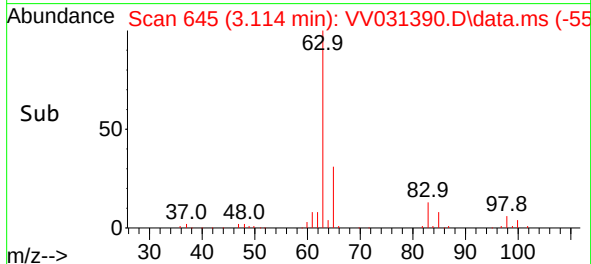
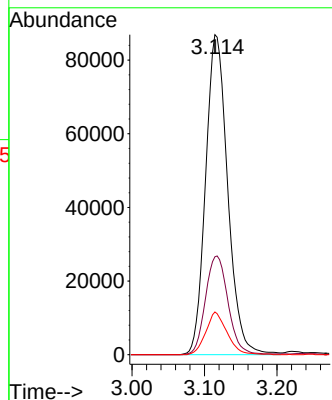
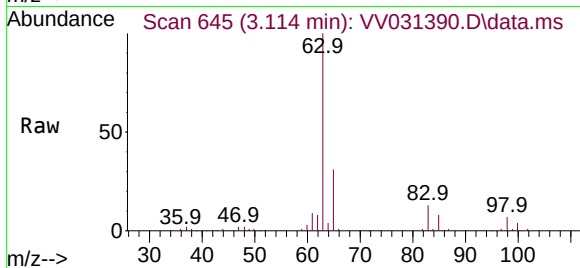




#19
 1,1-Dichloroethane
 Concen: 50.317 ug/L
 RT: 3.114 min Scan# 645
 Delta R.T. 0.000 min
 Lab File: VV031390.D
 Acq: 07 Jun 2023 11:15

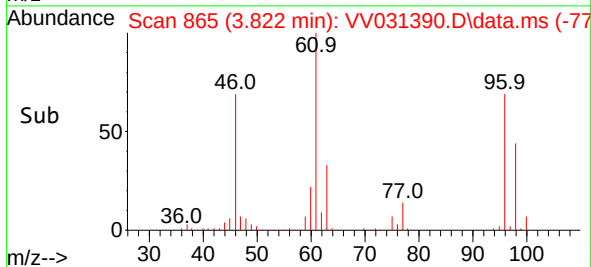
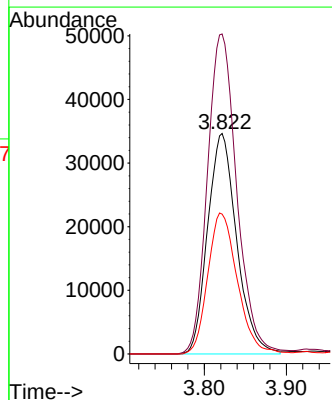
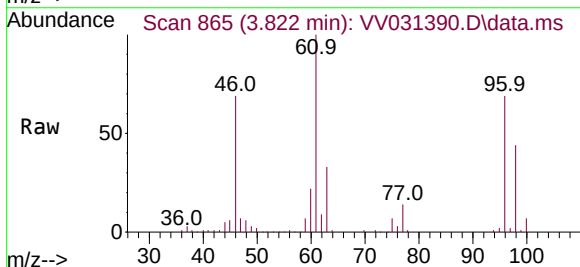
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050229

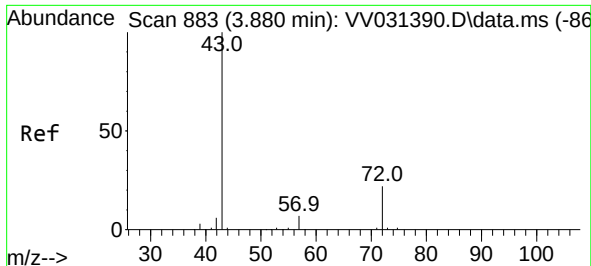
Tgt Ion: 63 Resp: 184247
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.4 39.8
 83 13.3 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.515 ug/L
 RT: 3.822 min Scan# 865
 Delta R.T. 0.000 min
 Lab File: VV031390.D
 Acq: 07 Jun 2023 11:15

Tgt Ion: 96 Resp: 85219
 Ion Ratio Lower Upper
 96 100
 61 145.1 101.6 188.6
 98 63.4 44.4 82.4

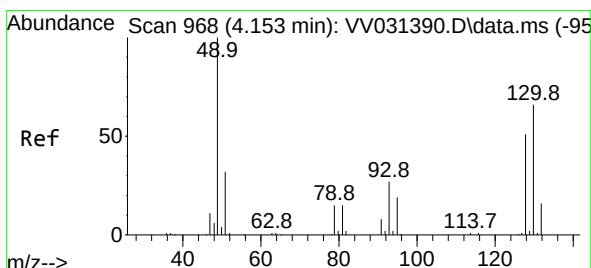
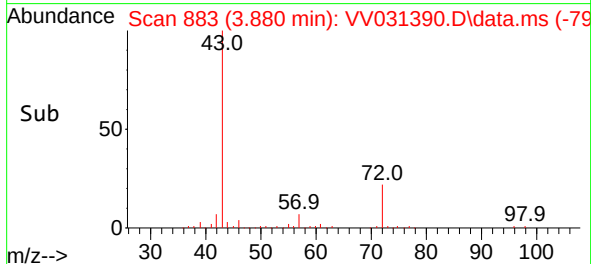
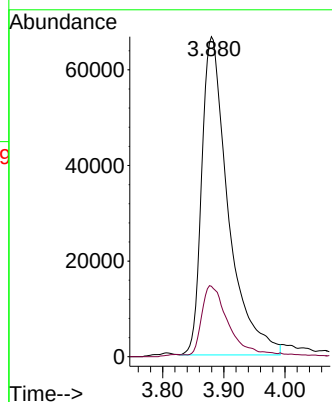
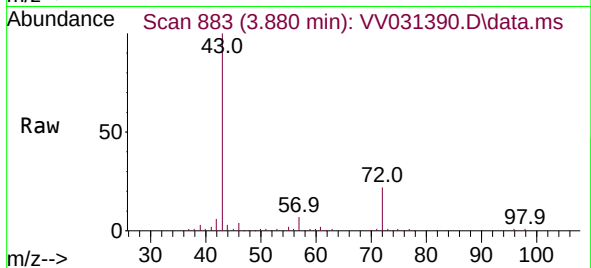




#22
2-Butanone
Concen: 103.157 ug/L
RT: 3.880 min Scan# 883
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

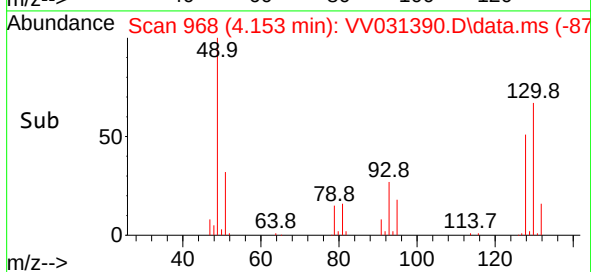
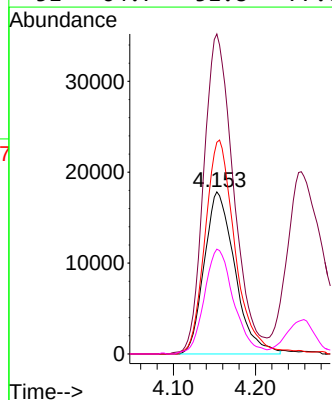
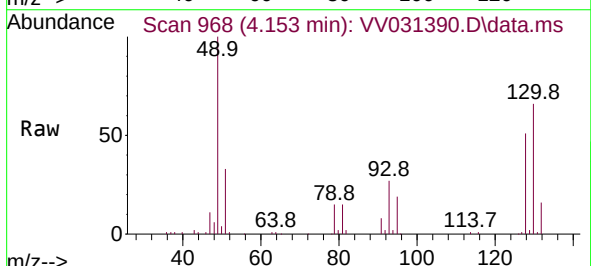
Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

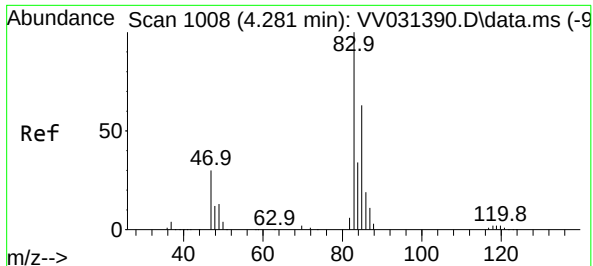
Tgt Ion: 43 Resp: 200193
Ion Ratio Lower Upper
43 100
72 20.9 10.4 31.4



#23
Bromochloromethane
Concen: 51.081 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion:128 Resp: 46231
Ion Ratio Lower Upper
128 100
49 197.4 138.2 256.6
130 130.6 91.4 169.8
51 64.7 51.8 77.6





#25

Chloroform

Concen: 50.027 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

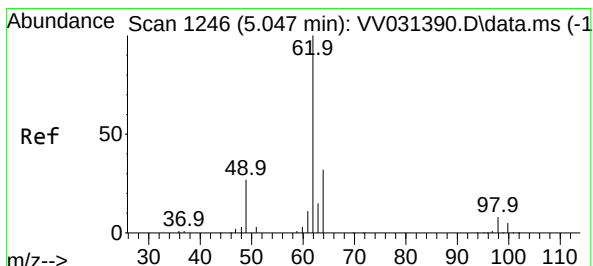
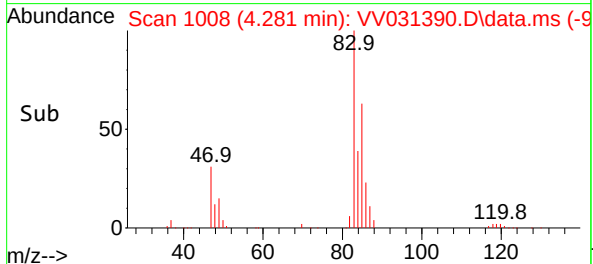
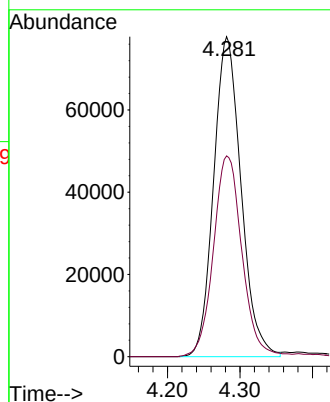
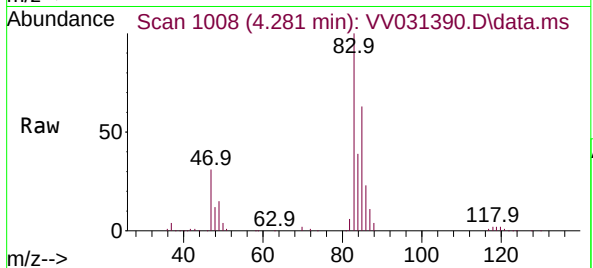
VSTD050229

Tgt Ion: 83 Resp: 204275

Ion Ratio Lower Upper

83 100

85 62.7 43.9 81.5



#27

1,2-Dichloroethane

Concen: 51.576 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031390.D

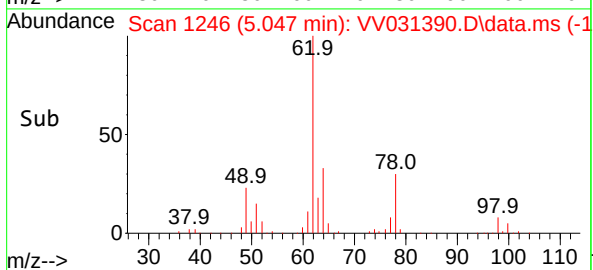
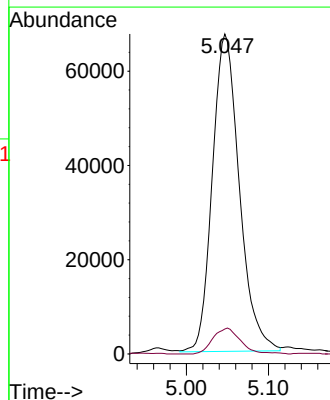
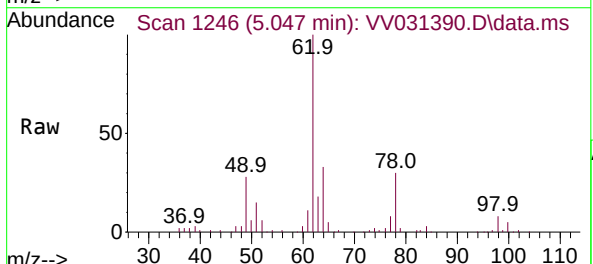
Acq: 07 Jun 2023 11:15

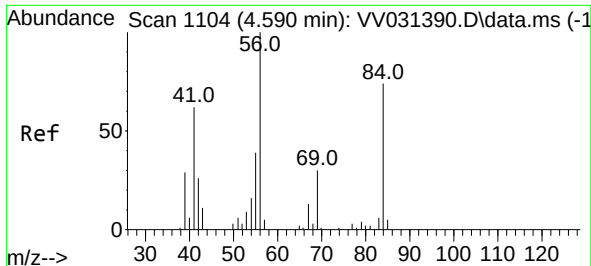
Tgt Ion: 62 Resp: 153778

Ion Ratio Lower Upper

62 100

98 7.8 6.2 9.4





#29

Cyclohexane

Concen: 49.806 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD050229

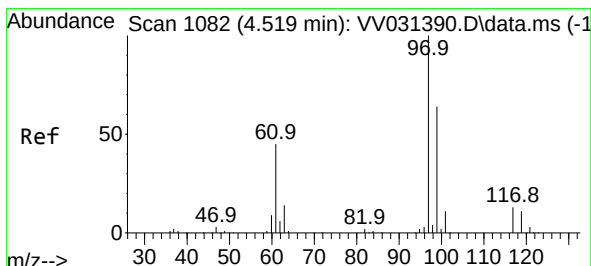
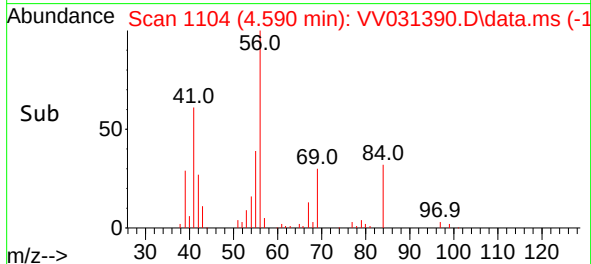
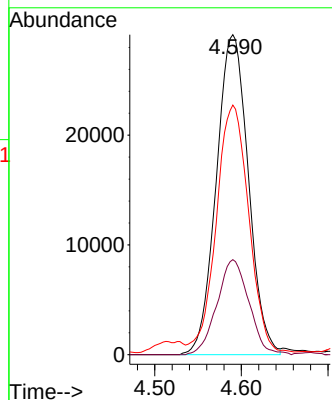
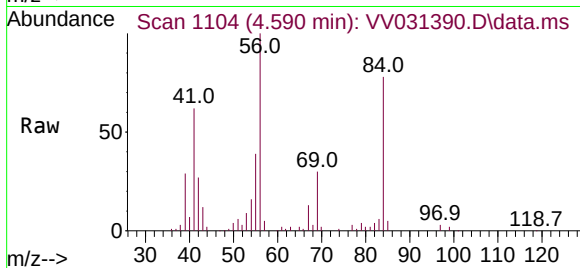
Tgt Ion: 56 Resp: 74958

Ion Ratio Lower Upper

56 100

69 29.4 23.5 35.3

84 76.6 61.3 91.9



#30

1,1,1-Trichloroethane

Concen: 49.967 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

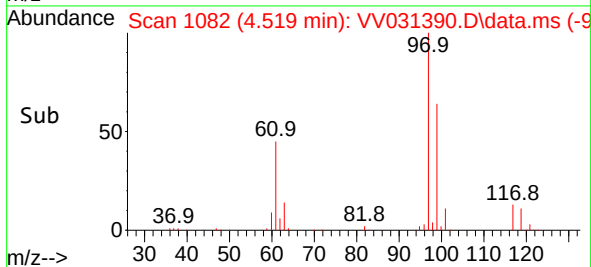
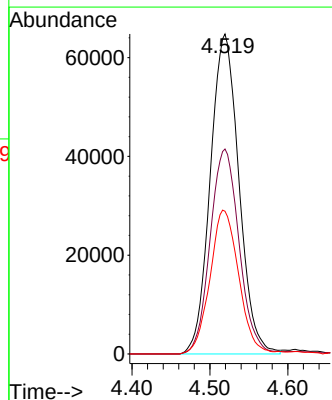
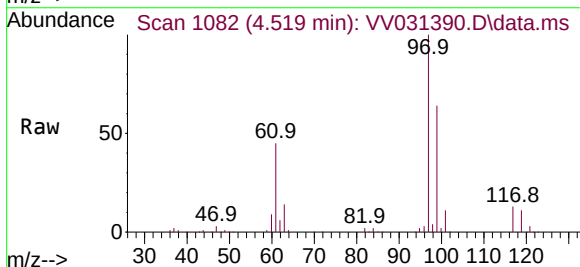
Tgt Ion: 97 Resp: 165736

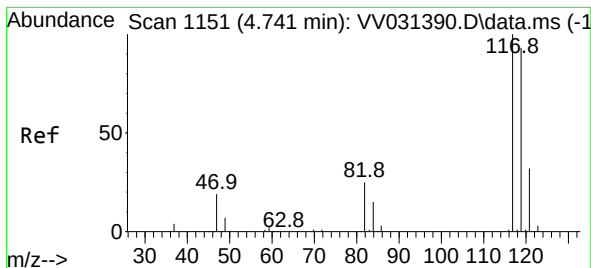
Ion Ratio Lower Upper

97 100

99 64.9 51.9 77.9

61 45.1 36.1 54.1





#31

Carbon tetrachloride

Concen: 49.724 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

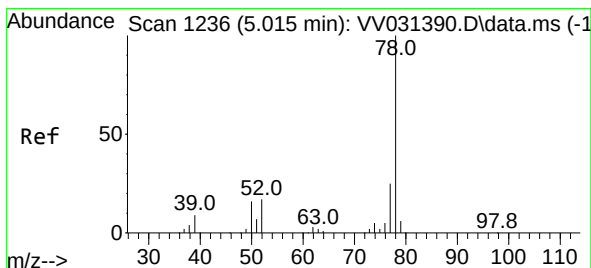
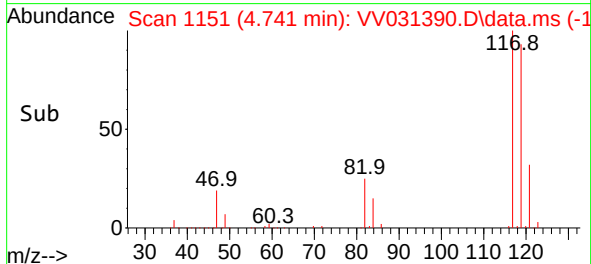
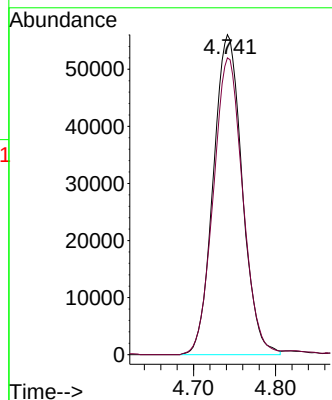
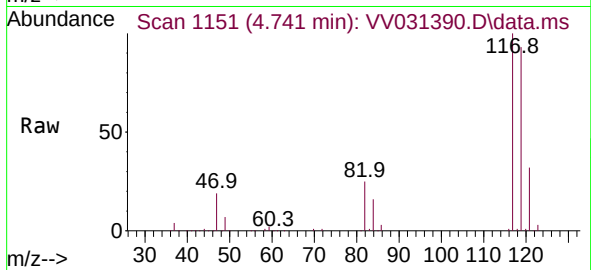
VSTD050229

Tgt Ion:117 Resp: 137009

Ion Ratio Lower Upper

117 100

119 94.7 75.8 113.6



#33

Benzene

Concen: 51.655 ug/L

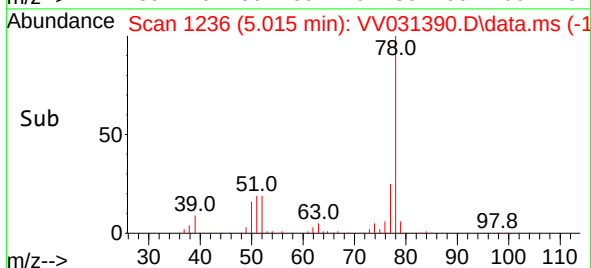
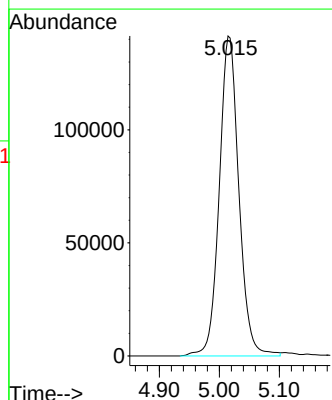
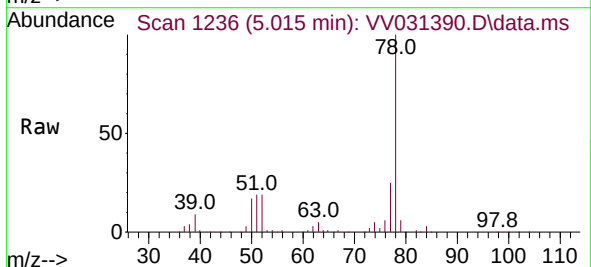
RT: 5.015 min Scan# 1236

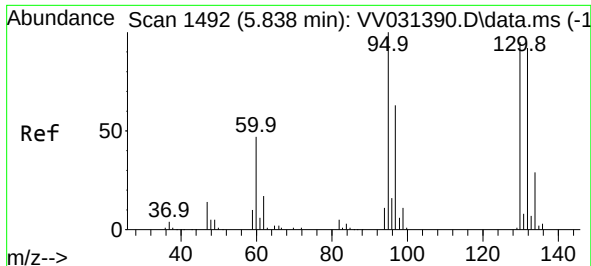
Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Tgt Ion: 78 Resp: 320277



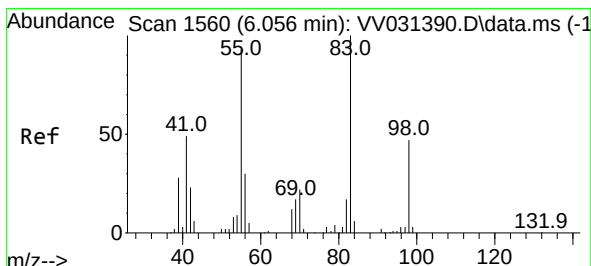
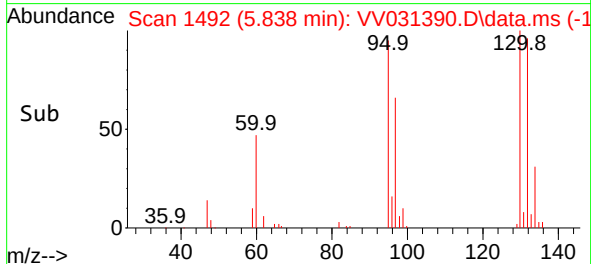
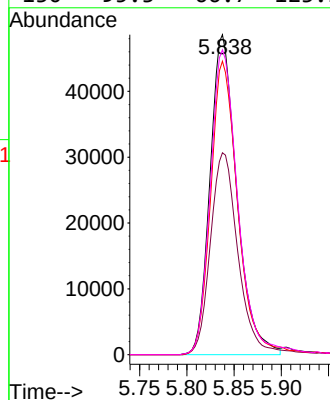
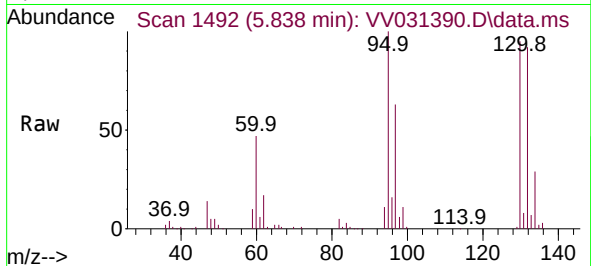


#34
Trichloroethene
Concen: 48.896 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

Tgt Ion: 95 Resp: 95514

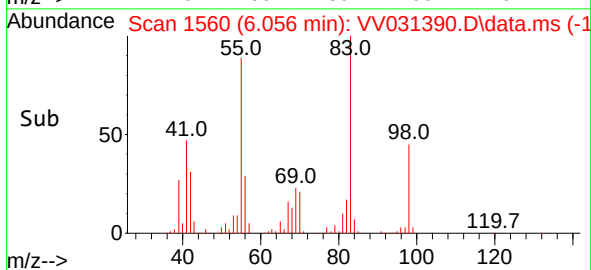
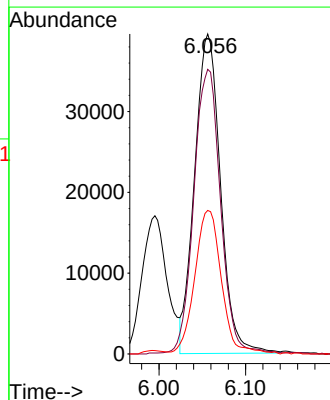
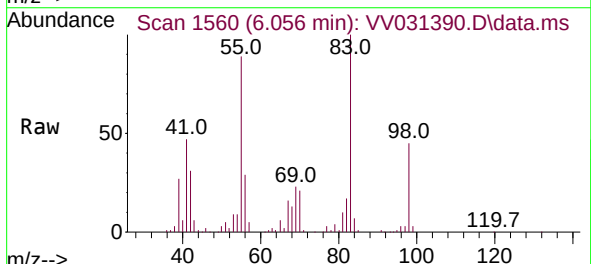
Ion	Ratio	Lower	Upper
95	100		
97	63.1	44.2	82.0
132	91.7	64.2	119.2
130	95.3	66.7	123.9

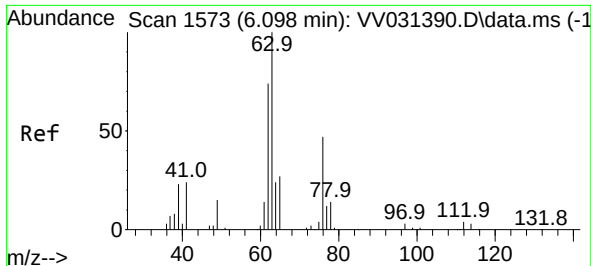


#35
Methylcyclohexane
Concen: 49.200 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion: 83 Resp: 82198

Ion	Ratio	Lower	Upper
83	100		
55	92.4	73.9	110.9
98	46.2	37.0	55.4





#37

1,2-Dichloropropane

Concen: 50.202 ug/L

RT: 6.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

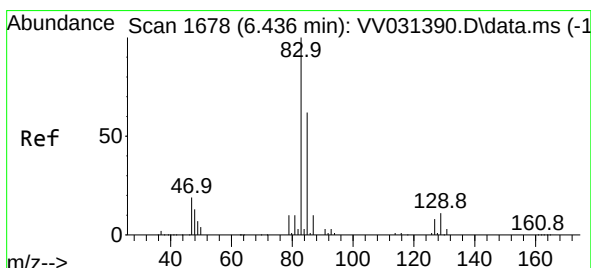
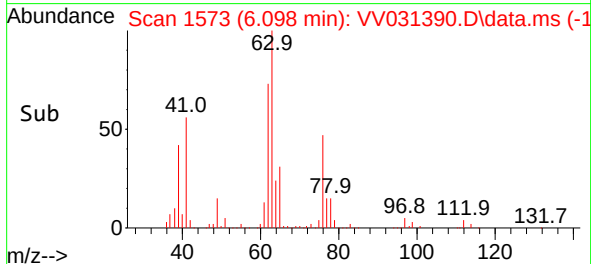
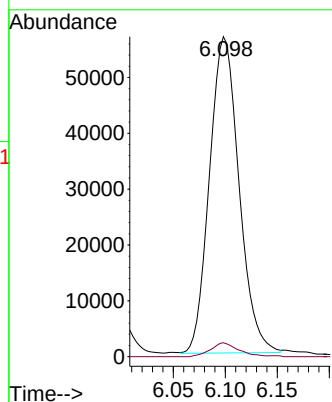
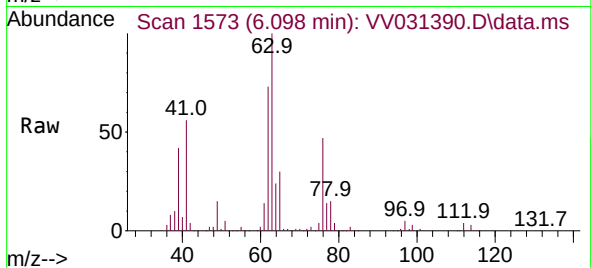
VSTD050229

Tgt Ion: 63 Resp: 112038

Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



#38

Bromodichloromethane

Concen: 50.102 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

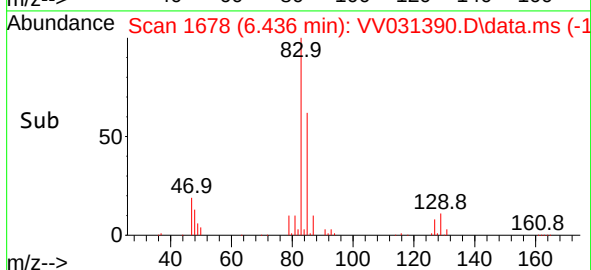
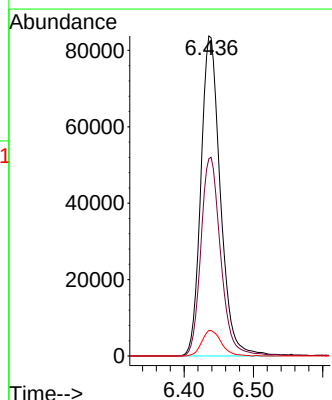
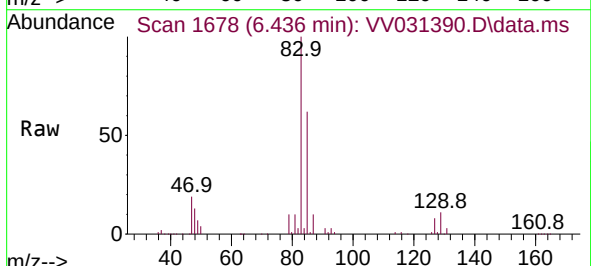
Tgt Ion: 83 Resp: 163653

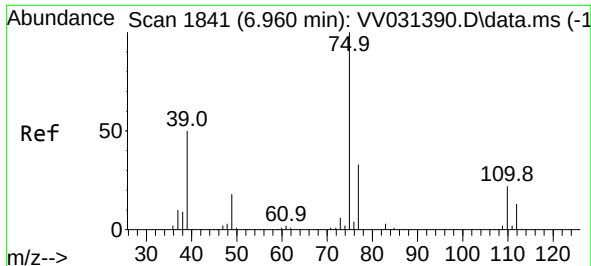
Ion Ratio Lower Upper

83 100

85 61.7 43.2 80.2

127 9.0 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 49.118 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

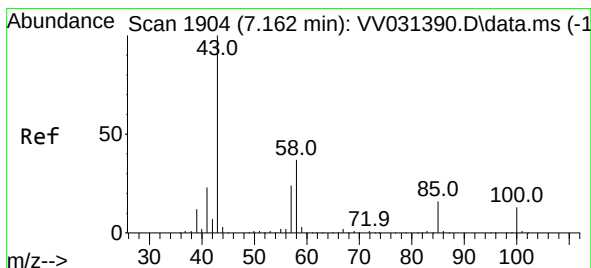
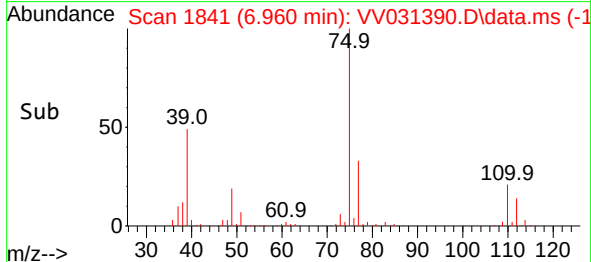
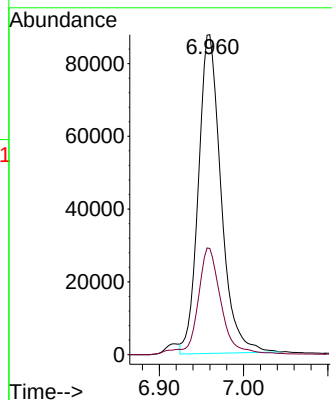
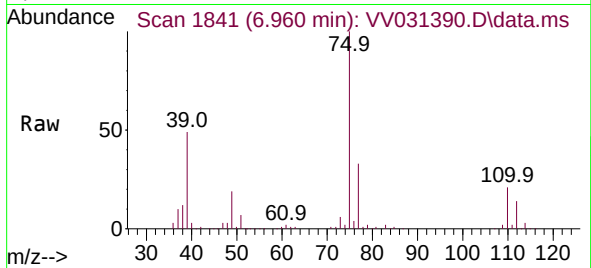
VSTD050229

Tgt Ion: 75 Resp: 163771

Ion Ratio Lower Upper

75 100

77 33.2 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 106.410 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

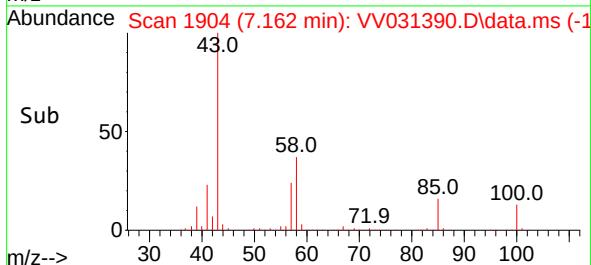
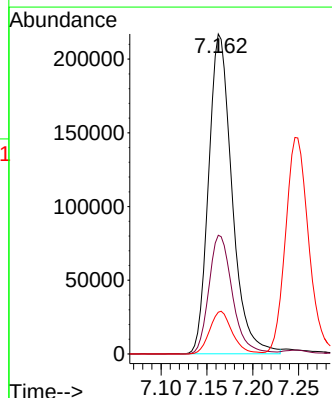
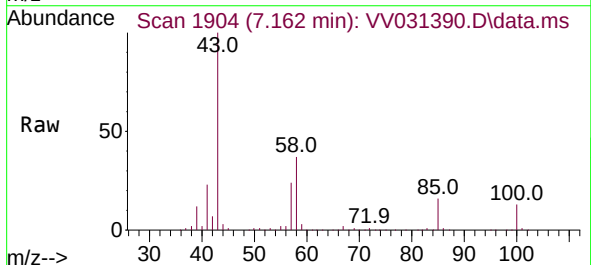
Tgt Ion: 43 Resp: 385775

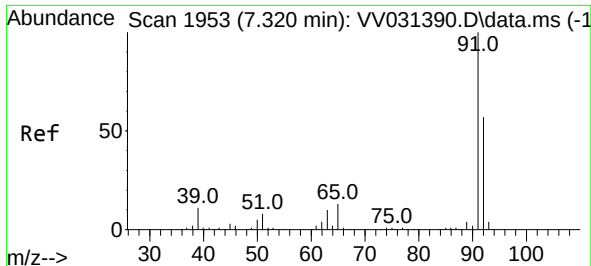
Ion Ratio Lower Upper

43 100

58 37.4 29.9 44.9

100 12.9 10.3 15.5





#42

Toluene

Concen: 52.234 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

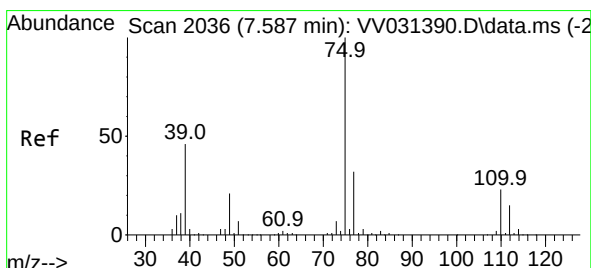
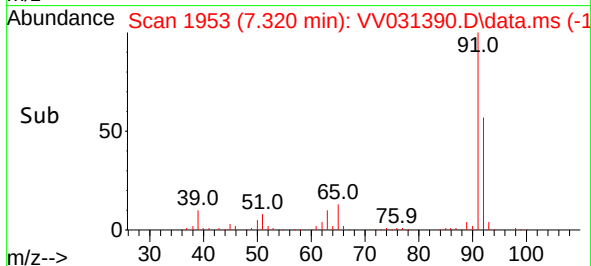
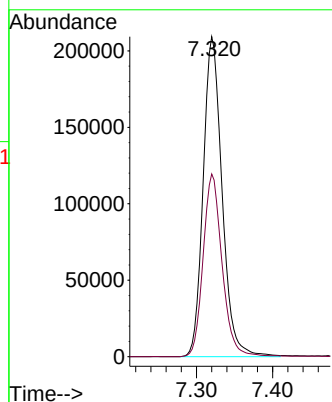
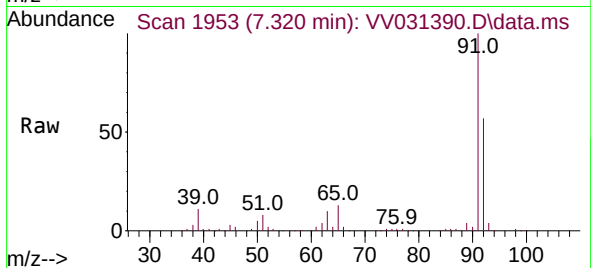
VSTD050229

Tgt Ion: 91 Resp: 362510

Ion Ratio Lower Upper

91 100

92 57.1 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 52.063 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.000 min

Lab File: VV031390.D

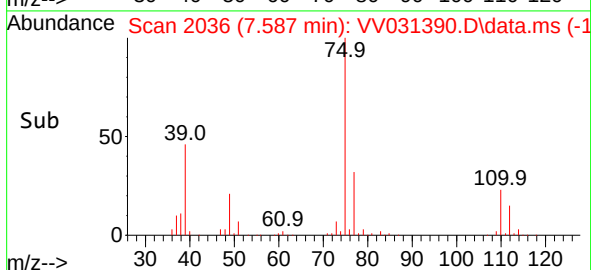
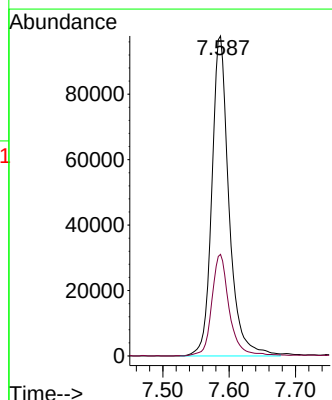
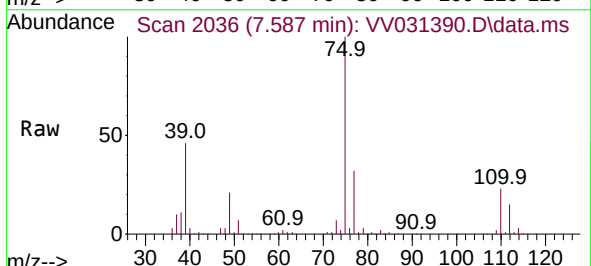
Acq: 07 Jun 2023 11:15

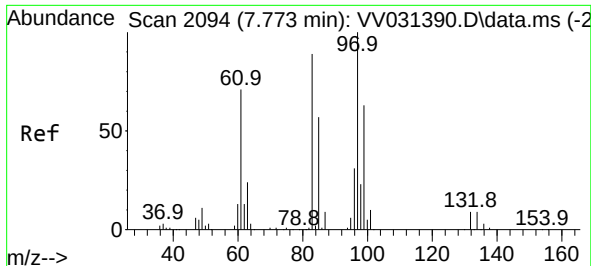
Tgt Ion: 75 Resp: 176073

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



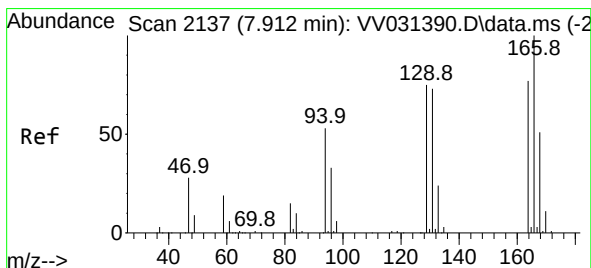
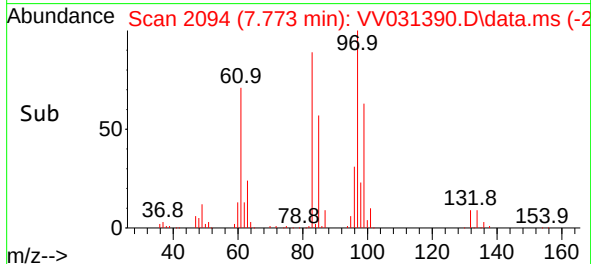
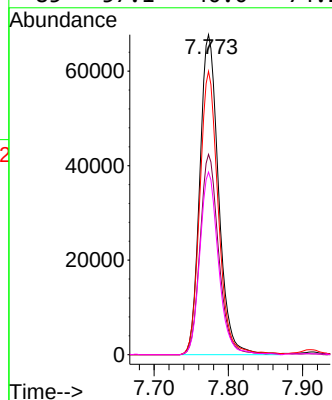
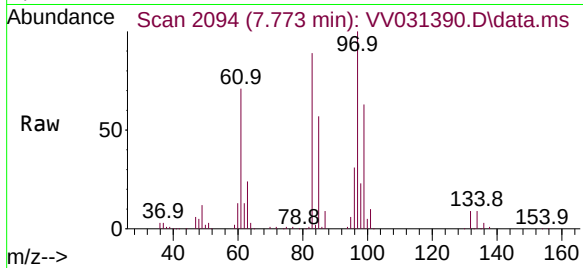


#45
1,1,2-Trichloroethane
Concen: 51.534 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

Tgt Ion: 97 Resp: 118880

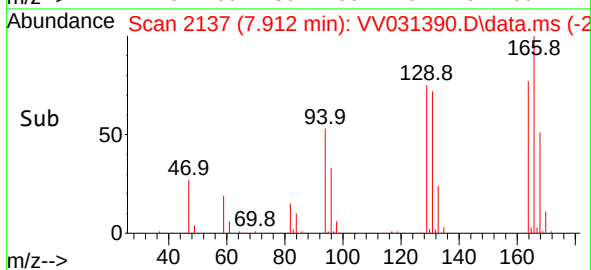
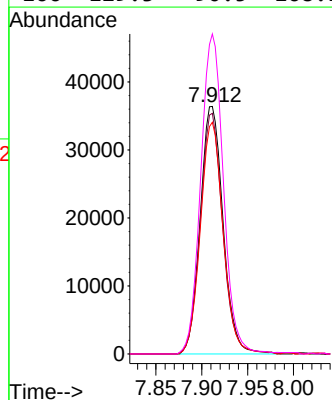
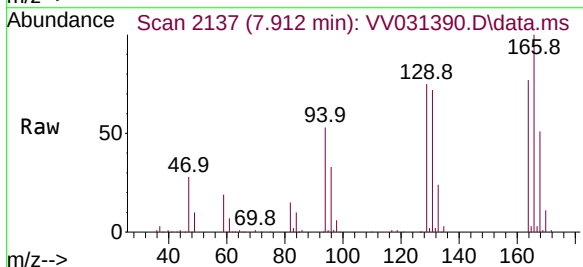
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	88.5	61.9	115.1
85	57.1	40.0	74.2

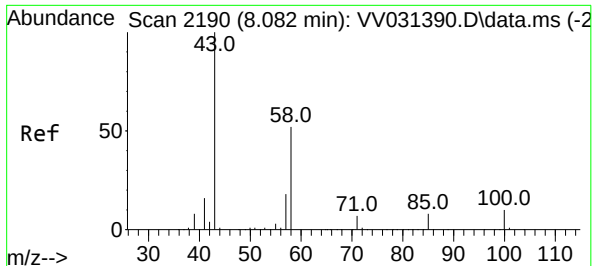


#46
Tetrachloroethene
Concen: 49.862 ug/L
RT: 7.912 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion: 164 Resp: 63232

Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.0	126.4
131	93.6	65.5	121.7
166	129.3	90.5	168.1



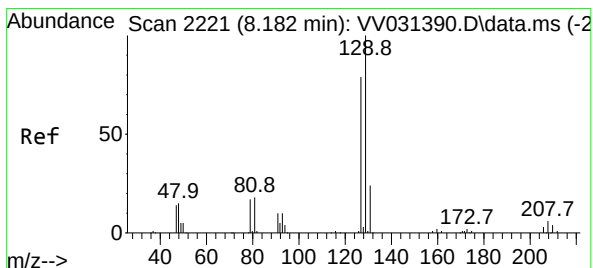
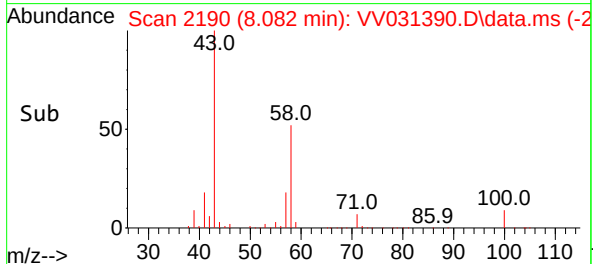
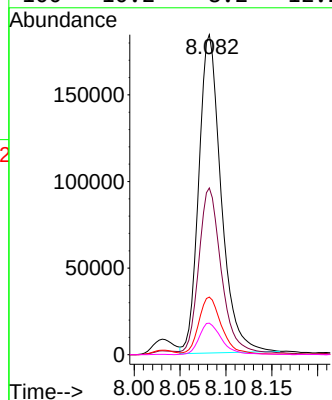
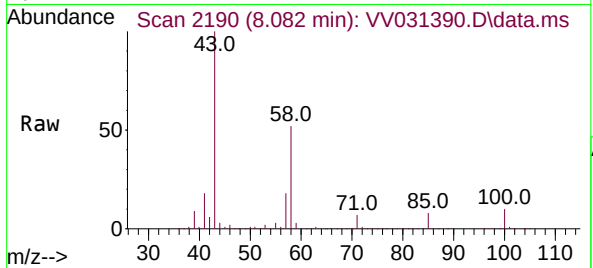


#48
2-Hexanone
Concen: 109.839 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

Tgt Ion: 43 Resp: 311694

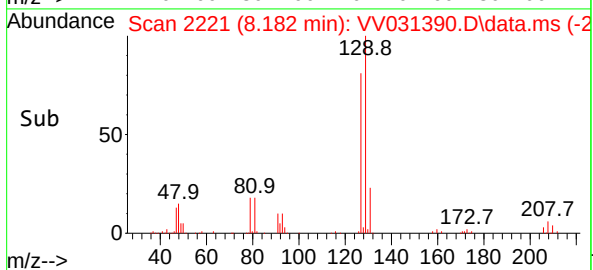
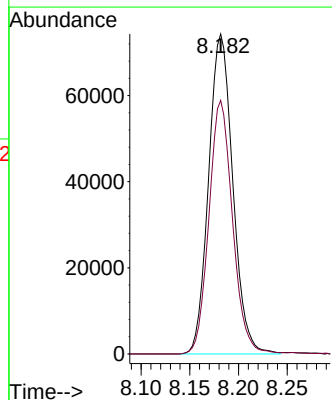
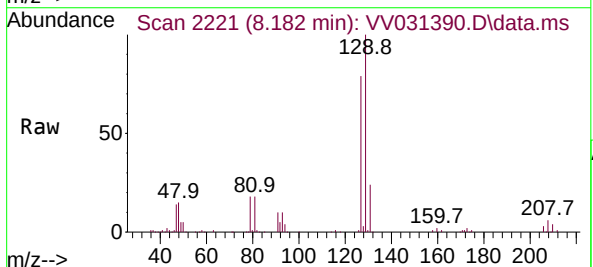
Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.9	64.3
57	18.3	14.6	22.0
100	10.2	8.2	12.2

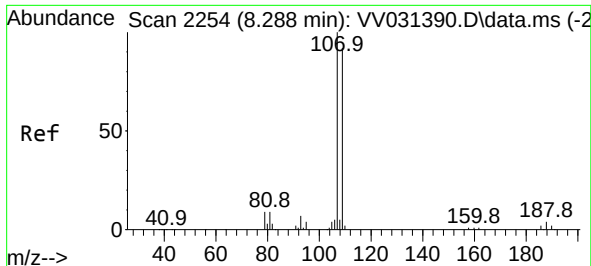


#49
Dibromochloromethane
Concen: 51.077 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion: 129 Resp: 128530

Ion	Ratio	Lower	Upper
129	100		
127	79.3	55.5	103.1





#50

1,2-Dibromoethane

Concen: 50.774 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD050229

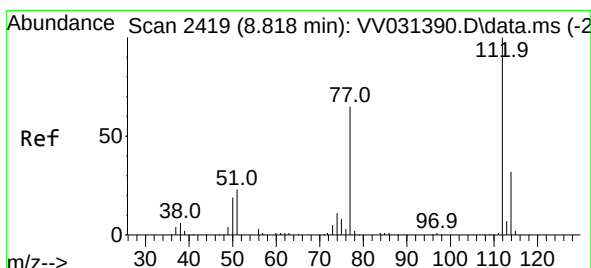
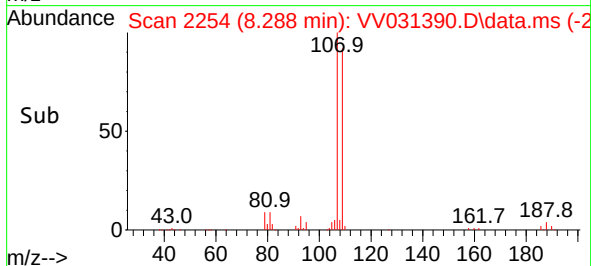
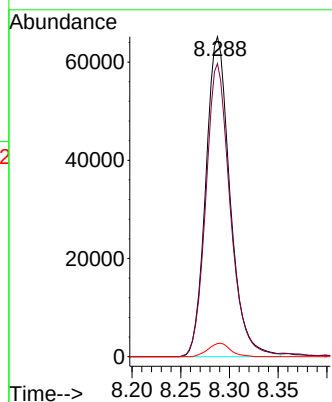
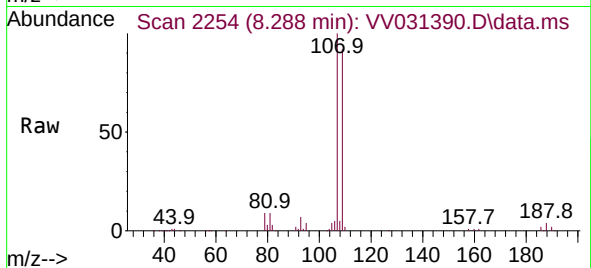
Tgt Ion:107 Resp: 112760

Ion Ratio Lower Upper

107 100

109 91.6 64.1 119.1

188 4.1 3.3 4.9



#51

Chlorobenzene

Concen: 50.079 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

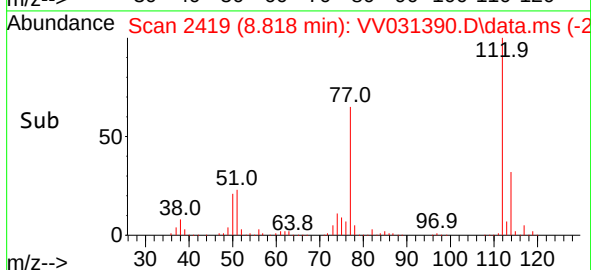
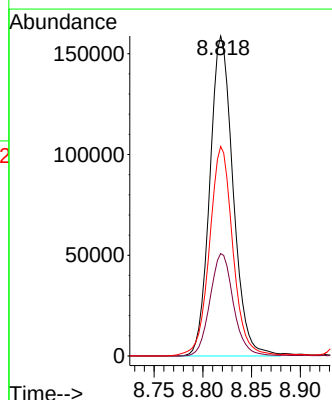
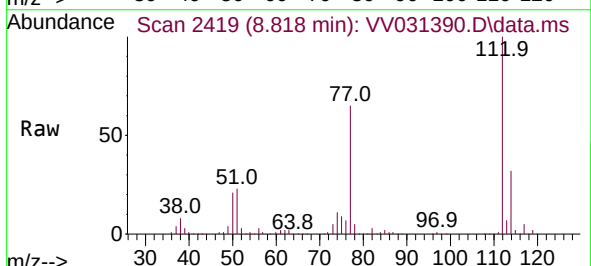
Tgt Ion:112 Resp: 264265

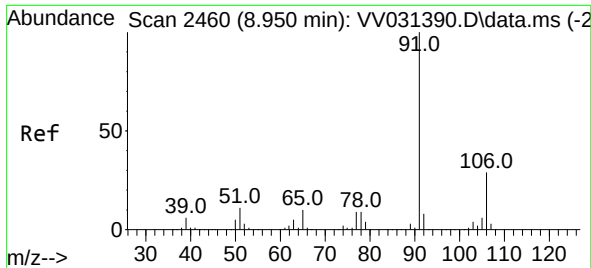
Ion Ratio Lower Upper

112 100

114 32.0 22.4 41.6

77 65.5 52.4 78.6

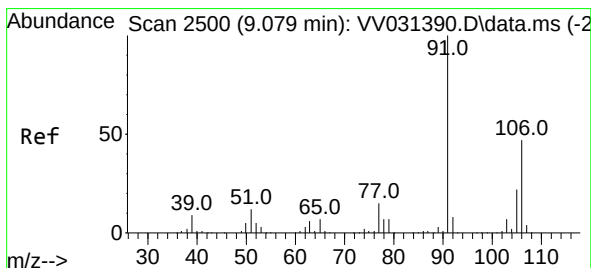
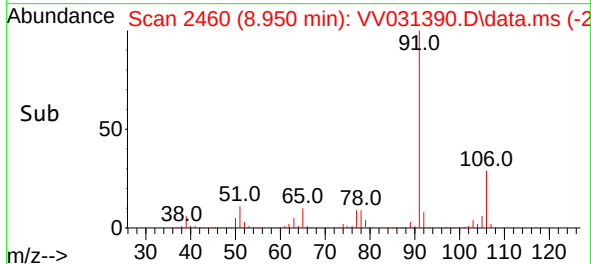
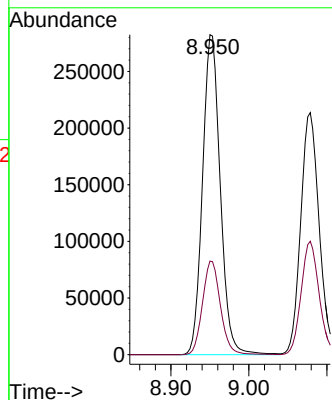
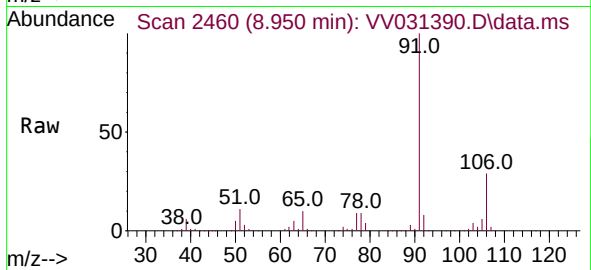




#52
Ethylbenzene
Concen: 51.684 ug/L
RT: 8.950 min Scan# 2460
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

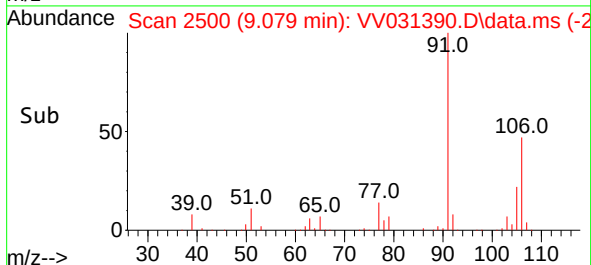
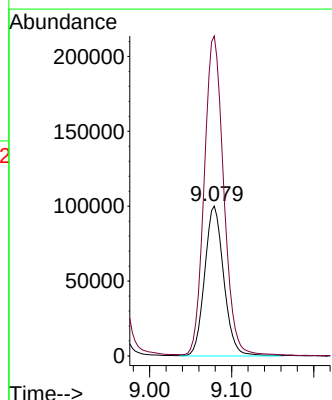
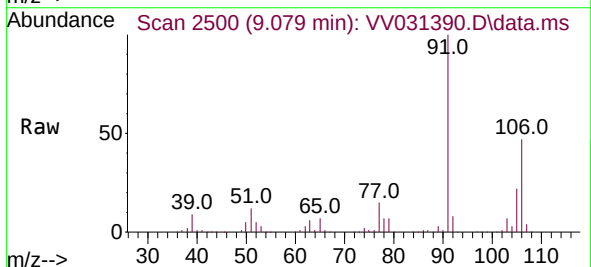
Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

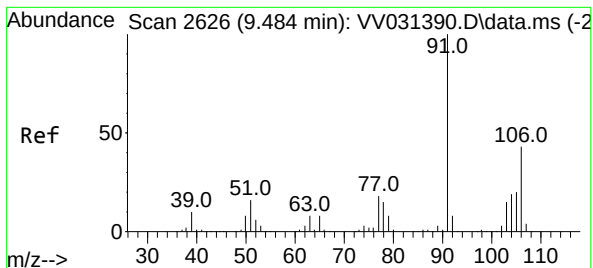
Tgt Ion: 91 Resp: 446402
Ion Ratio Lower Upper
91 100
106 29.2 20.4 38.0



#53
m,p-Xylene
Concen: 52.183 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion: 106 Resp: 162423
Ion Ratio Lower Upper
106 100
91 213.5 149.4 277.5





#54

o-Xylene

Concen: 51.529 ug/L

RT: 9.484 min Scan# 2626

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

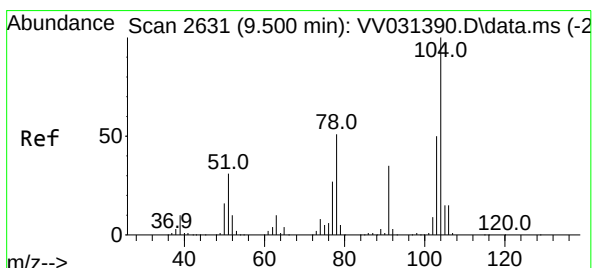
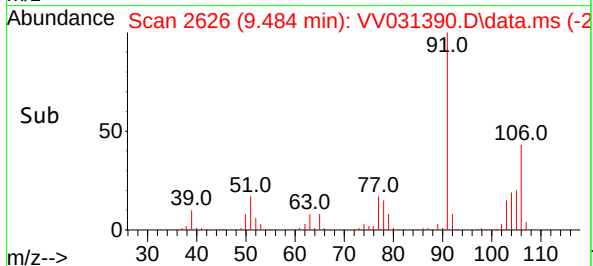
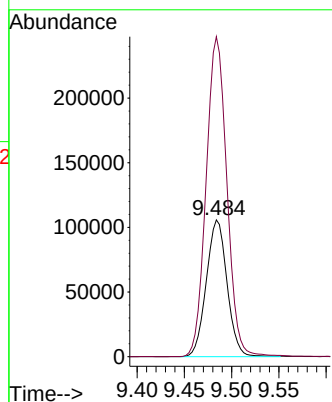
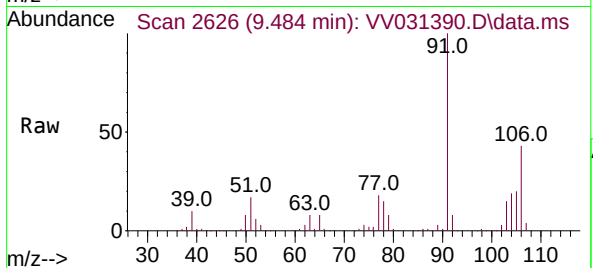
VSTD050229

Tgt Ion:106 Resp: 161796

Ion Ratio Lower Upper

106 100

91 234.0 163.8 304.2



#55

Styrene

Concen: 55.396 ug/L

RT: 9.500 min Scan# 2631

Delta R.T. 0.000 min

Lab File: VV031390.D

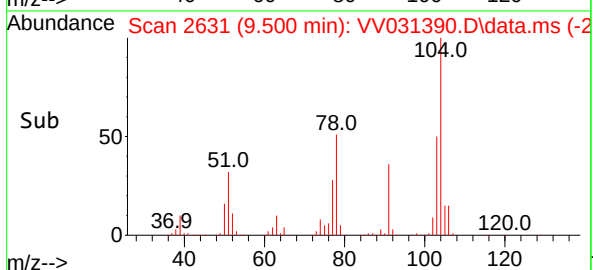
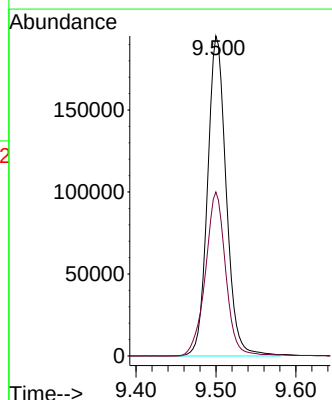
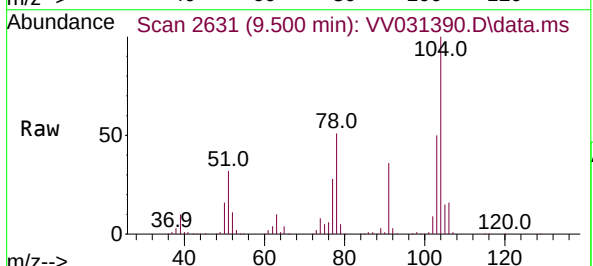
Acq: 07 Jun 2023 11:15

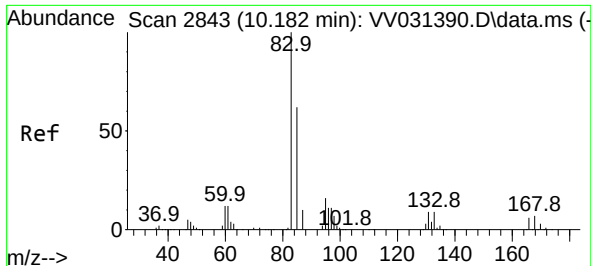
Tgt Ion:104 Resp: 317113

Ion Ratio Lower Upper

104 100

78 51.3 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 51.376 ug/L

RT: 10.182 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD050229

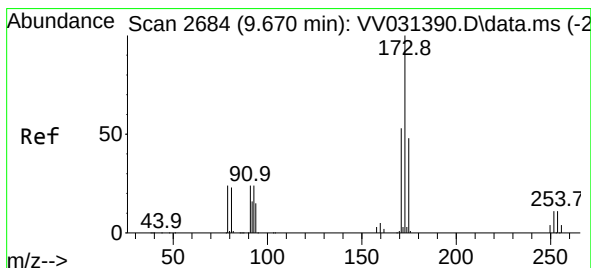
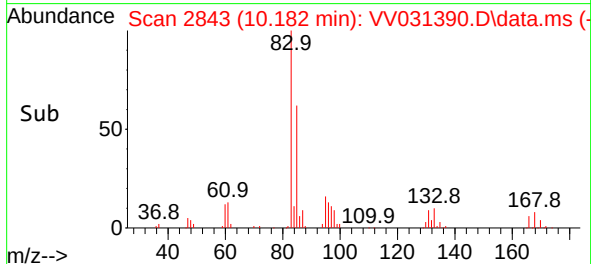
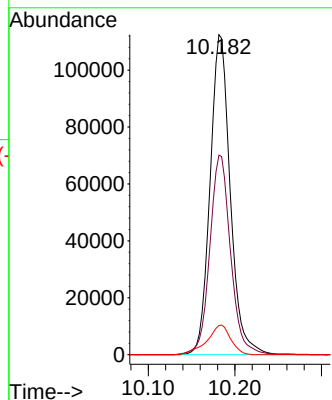
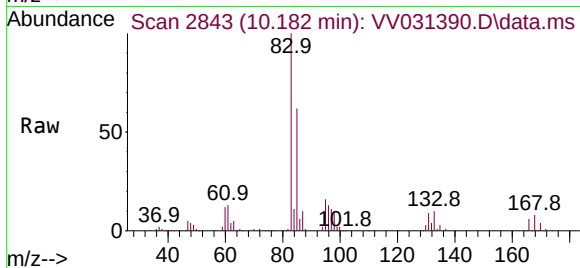
Tgt Ion: 83 Resp: 181671

Ion Ratio Lower Upper

83 100

85 62.4 43.7 81.1

131 9.1 7.3 10.9



#59

Bromoform

Concen: 48.211 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

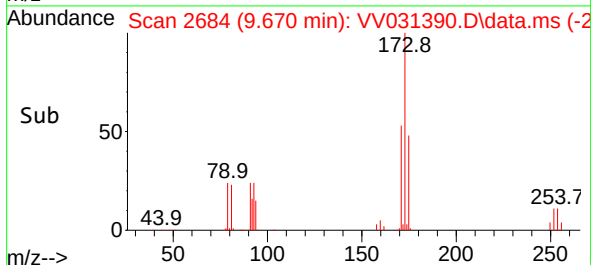
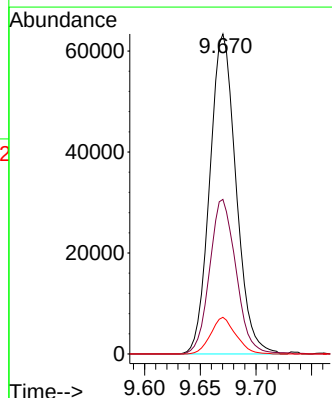
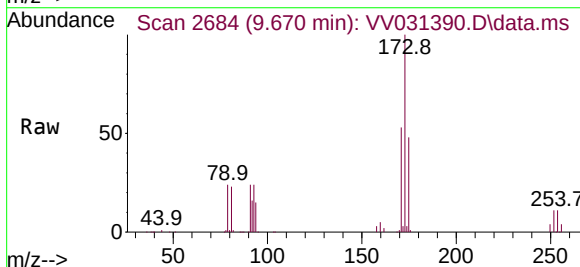
Tgt Ion: 173 Resp: 104073

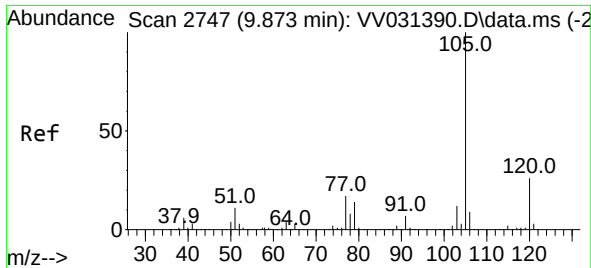
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 10.9 8.7 13.1

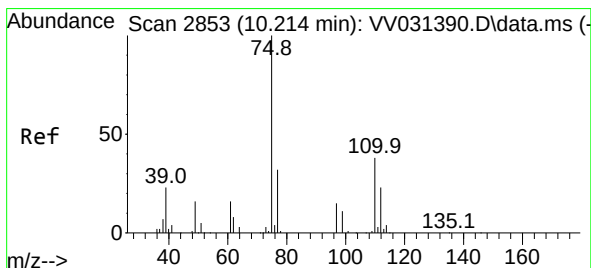
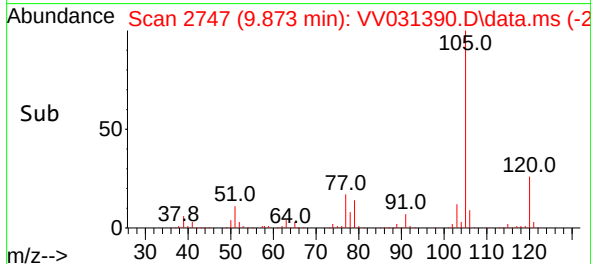
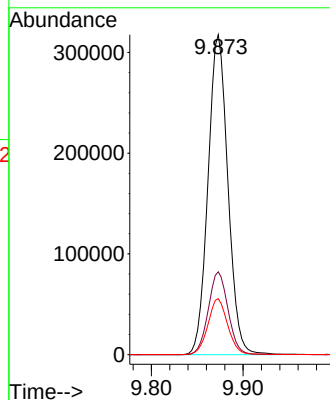
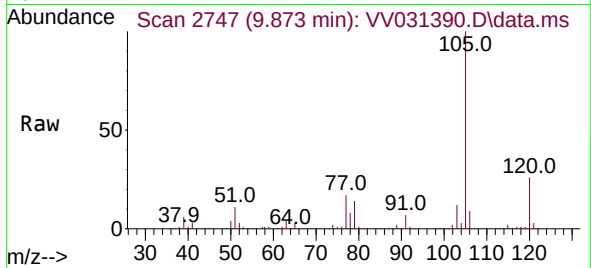




#60
Isopropylbenzene
Concen: 49.800 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

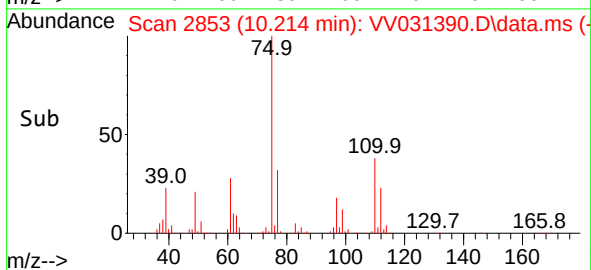
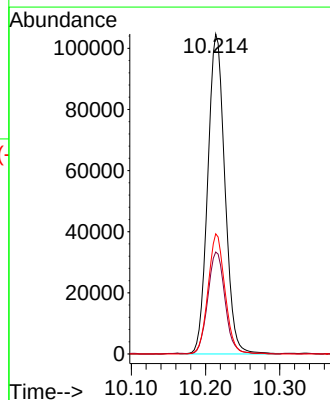
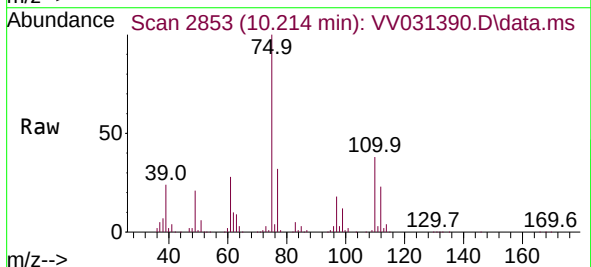
Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

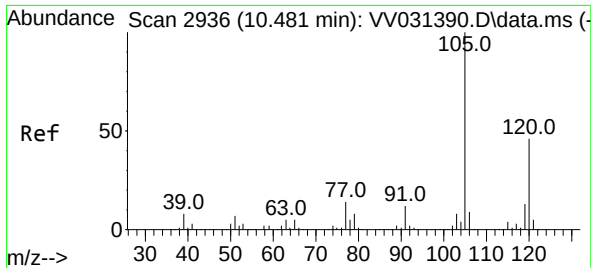
Tgt Ion:105 Resp: 479416
Ion Ratio Lower Upper
105 100
120 25.7 20.6 30.8
77 17.3 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 49.123 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion: 75 Resp: 167533
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4
110 36.9 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 51.489 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

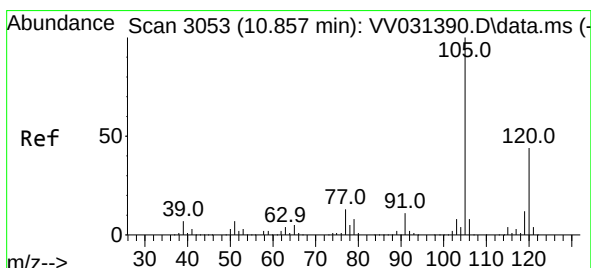
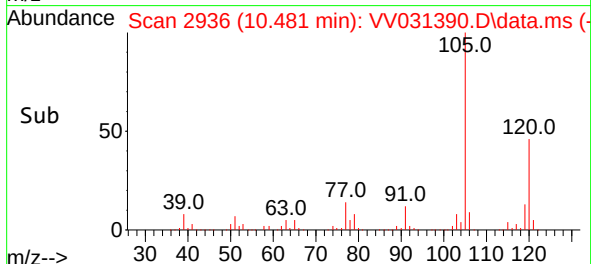
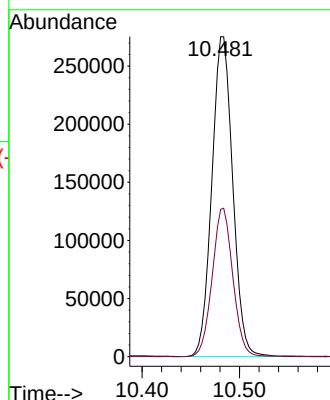
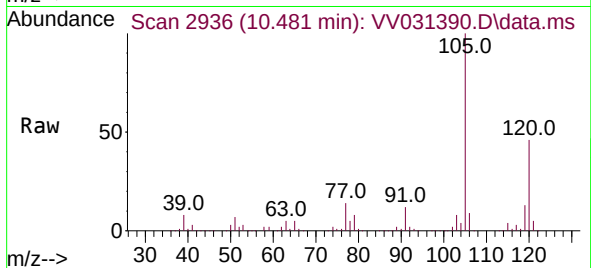
VSTD050229

Tgt Ion:105 Resp: 409366

Ion Ratio Lower Upper

105 100

120 46.0 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 51.950 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031390.D

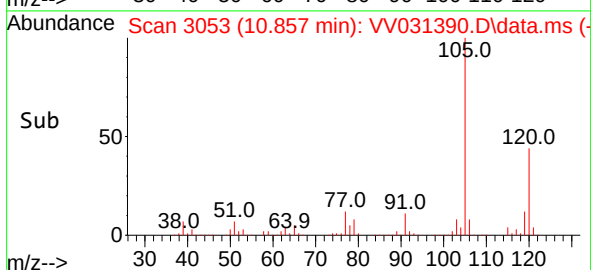
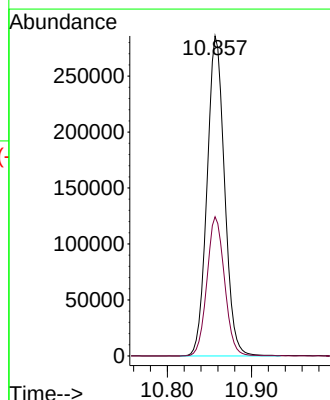
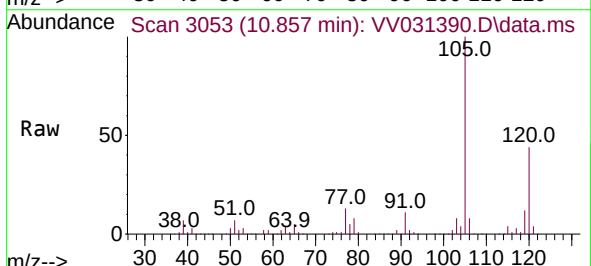
Acq: 07 Jun 2023 11:15

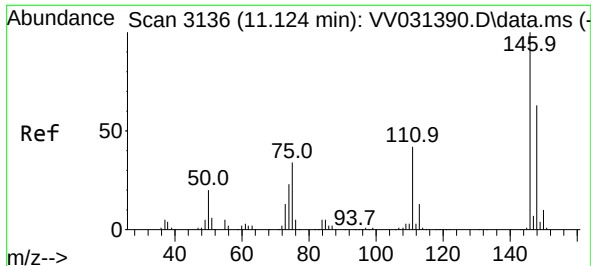
Tgt Ion:105 Resp: 413429

Ion Ratio Lower Upper

105 100

120 43.7 35.0 52.4

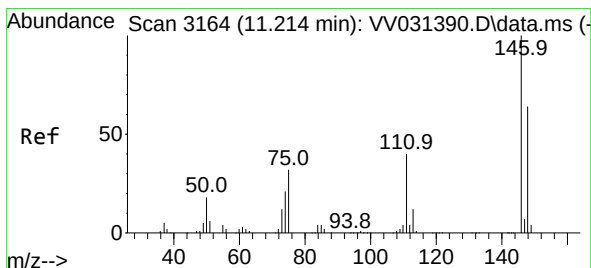
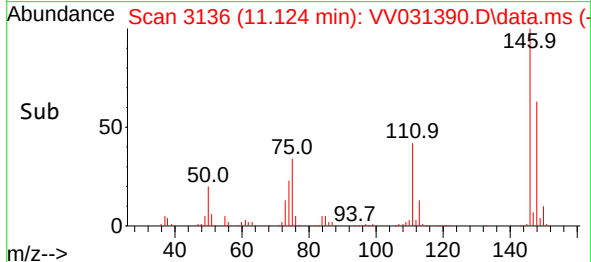
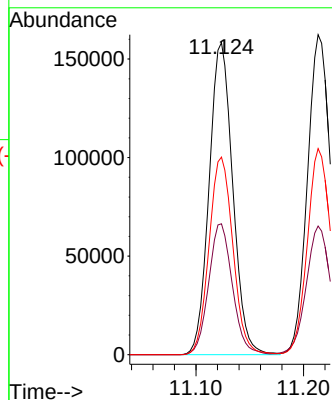
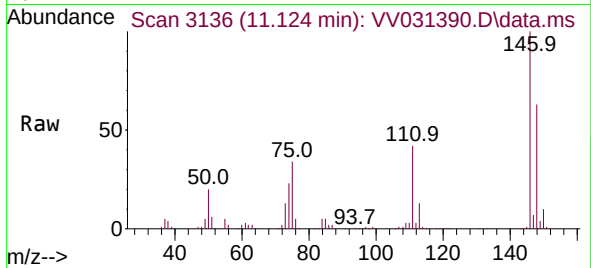




#64
 1,3-Dichlorobenzene
 Concen: 49.088 ug/L
 RT: 11.124 min Scan# 3136
 Delta R.T. 0.000 min
 Lab File: VV031390.D
 Acq: 07 Jun 2023 11:15

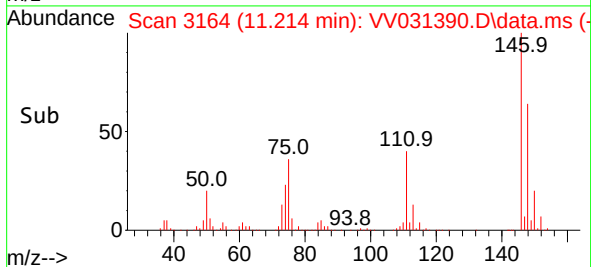
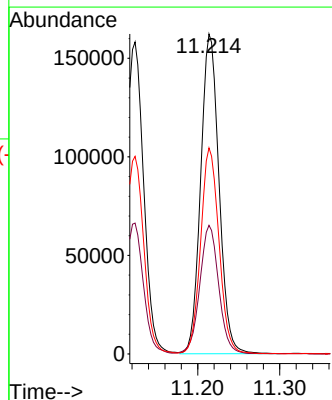
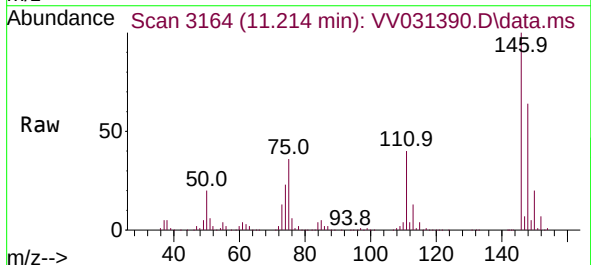
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050229

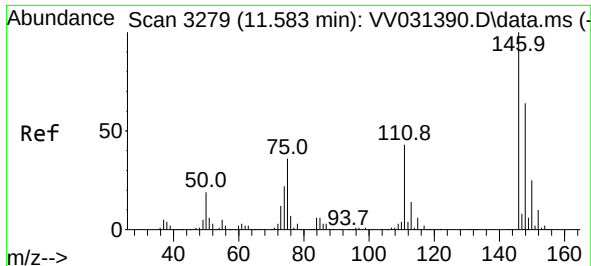
Tgt Ion:146 Resp: 241887
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.3 54.5
 148 63.3 44.3 82.3



#65
 1,4-Dichlorobenzene
 Concen: 48.190 ug/L
 RT: 11.214 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VV031390.D
 Acq: 07 Jun 2023 11:15

Tgt Ion:146 Resp: 251167
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.1 52.3
 148 64.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 49.002 ug/L

RT: 11.583 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD050229

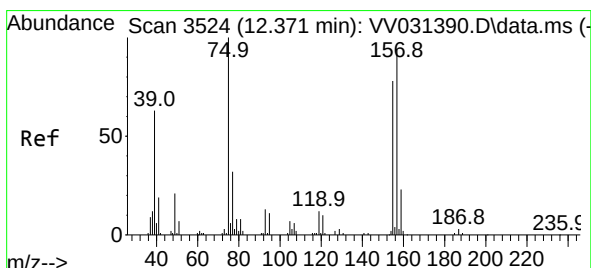
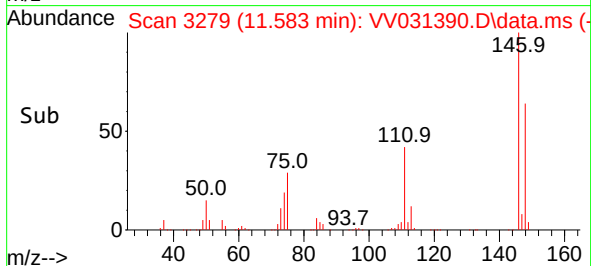
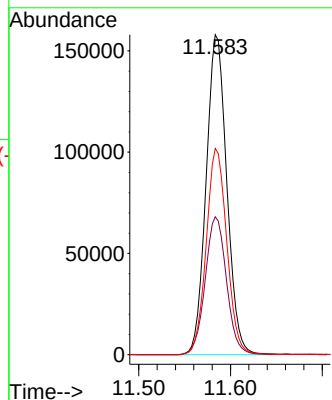
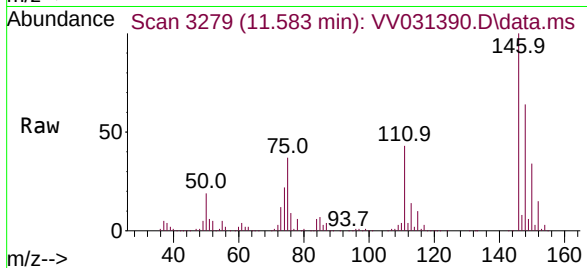
Tgt Ion:146 Resp: 247528

Ion Ratio Lower Upper

146 100

111 43.1 34.5 51.7

148 64.4 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 50.139 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

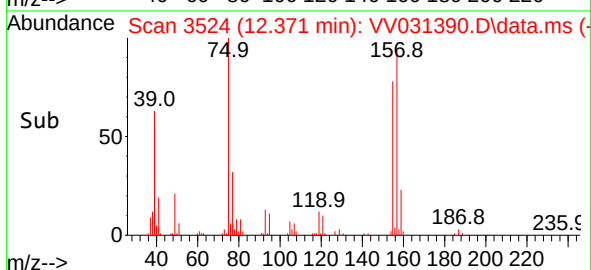
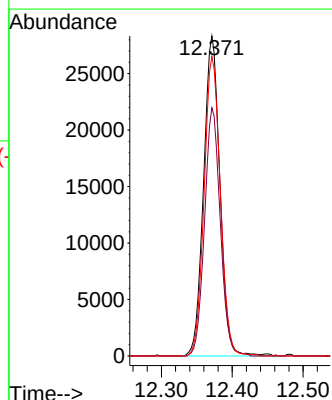
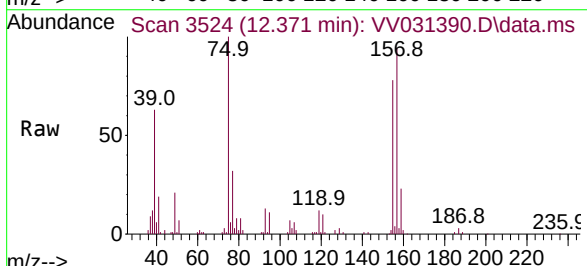
Tgt Ion: 75 Resp: 45324

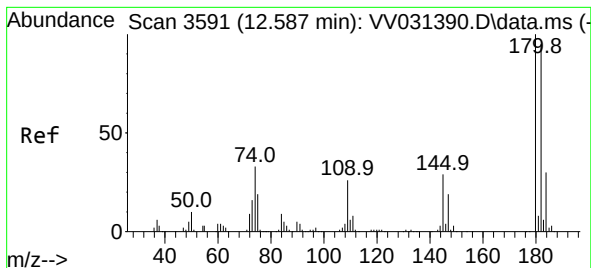
Ion Ratio Lower Upper

75 100

155 77.6 62.1 93.1

157 93.6 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 48.087 ug/L

RT: 12.587 min Scan# 3591

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD050229

Tgt Ion:180 Resp: 182429

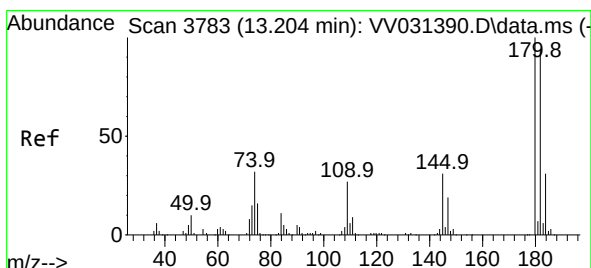
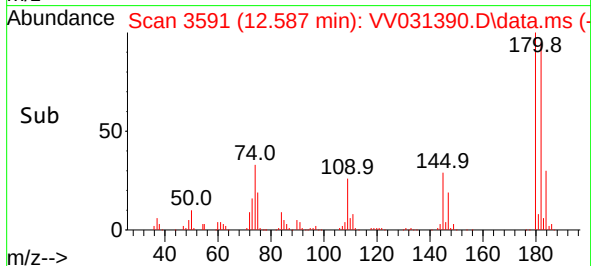
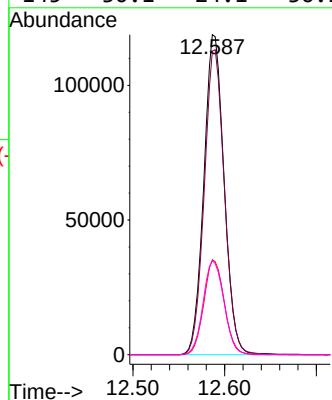
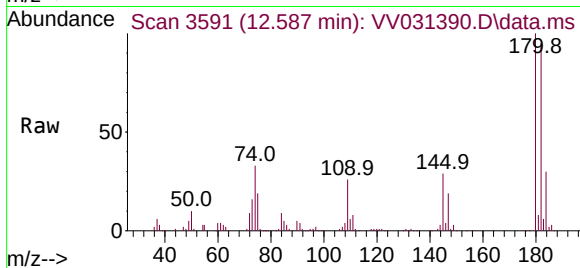
Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

184 29.9 23.9 35.9

145 30.1 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 48.484 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031390.D

Acq: 07 Jun 2023 11:15

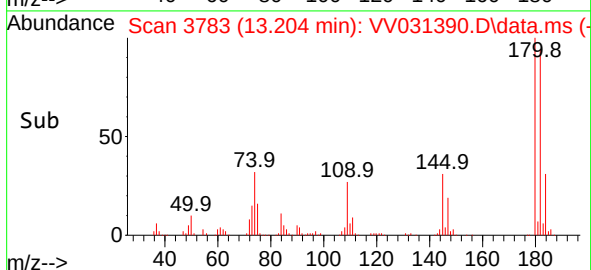
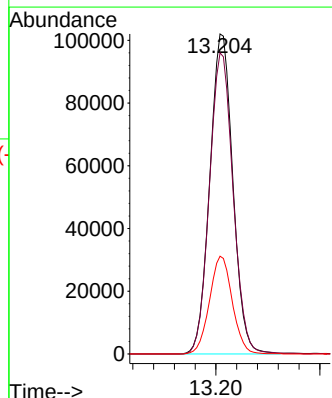
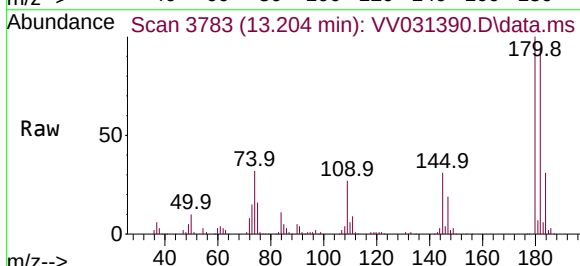
Tgt Ion:180 Resp: 156917

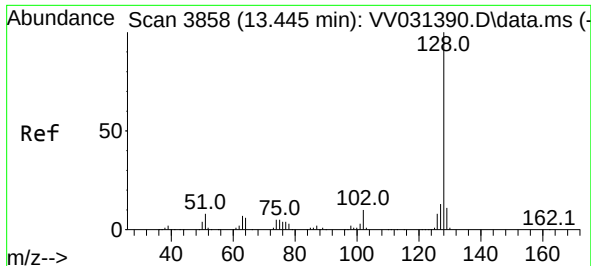
Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.6

145 30.2 24.2 36.2

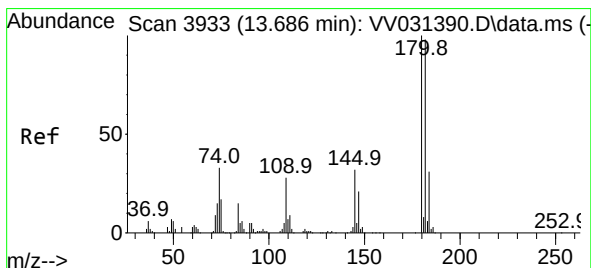
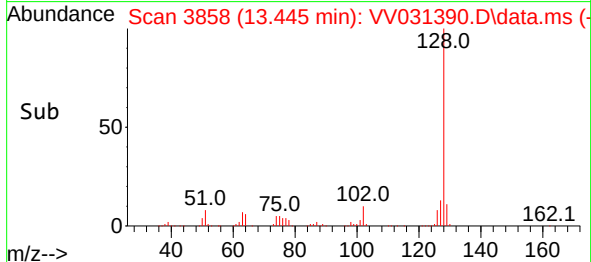
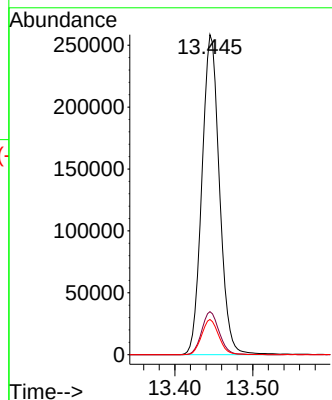
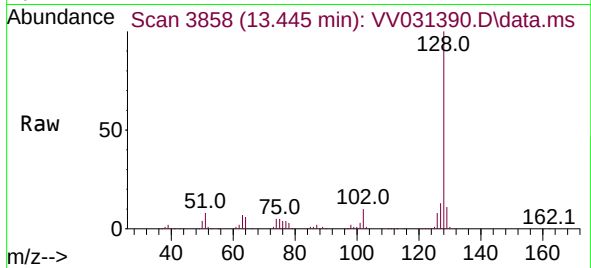




#71
Naphthalene
Concen: 45.507 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD050229

Tgt Ion:128 Resp: 403676
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.7 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 48.192 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.000 min
Lab File: VV031390.D
Acq: 07 Jun 2023 11:15

Tgt Ion:180 Resp: 156339
Ion Ratio Lower Upper
180 100
182 96.8 77.4 116.2
145 32.0 25.6 38.4

