

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031391.D
 Acq On : 07 Jun 2023 11:37
 Operator : SY/MD
 Sample : VSTD10030
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100230

Quant Time: Jun 08 04:00:12 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	301401	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	300344	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	179762	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	262863	99.125	ug/L	0.00
7) Chloroethane-d5	1.529	69	215184	100.228	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.060	65	125020	99.474	ug/L	0.00
21) 2-Butanone-d5	3.793	46	405968	213.691	ug/L	0.00
24) Chloroform-d	4.256	84	505307	100.175	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.947	65	343540	101.521	ug/L	0.00
32) Benzene-d6	4.966	84	933671	105.293	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	316590	102.715	ug/L	0.00
41) Toluene-d8	7.249	98	870439	106.858	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.555	79	165561	106.636	ug/L	0.00
47) 2-Hexanone-d5	8.031	63	278480	240.590	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	404646	104.028	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	328778	98.594	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	114099	94.400	ug/L	97
3) Chloromethane	1.217	50	92573	94.380	ug/L	97
5) Vinyl chloride	1.285	62	112402	96.050	ug/L	100
6) Bromomethane	1.487	94	67541	96.027	ug/L	96
8) Chloroethane	1.548	64	92264	97.855	ug/L	98
9) Trichlorofluoromethane	1.712	101	269645	95.461	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	174382	95.464	ug/L	98
12) 1,1-Dichloroethene	2.073	96	113697	94.558	ug/L	99
13) Acetone	2.121	43	301708	175.980	ug/L	98
14) Carbon disulfide	2.243	76	90443	87.935	ug/L	98
15) Methyl Acetate	2.375	43	257928	99.628	ug/L	99
16) Methylene chloride	2.449	84	168506	92.839	ug/L	97
17) trans-1,2-Dichloroethene	2.696	96	112687	98.847	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	726952	103.741	ug/L	99
19) 1,1-Dichloroethane	3.114	63	384893	97.604	ug/L	98
20) cis-1,2-Dichloroethene	3.818	96	187834	101.344	ug/L	97
22) 2-Butanone	3.873	43	423248	202.519	ug/L	98
23) Bromochloromethane	4.153	128	95009	97.479	ug/L	98
25) Chloroform	4.281	83	429291	97.625	ug/L	98
27) 1,2-Dichloroethane	5.047	62	327833	102.100	ug/L	99
29) Cyclohexane	4.590	56	169965	105.662	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	349902	98.696	ug/L	99
31) Carbon tetrachloride	4.741	117	285967	97.101	ug/L	99
33) Benzene	5.015	78	682356	102.965	ug/L	100
34) Trichloroethene	5.838	95	203145	97.297	ug/L	99
35) Methylcyclohexane	6.056	83	183657	102.849	ug/L	96
37) 1,2-Dichloropropane	6.098	63	246677	103.413	ug/L	100
38) Bromodichloromethane	6.439	83	348721	99.884	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	388868	109.117	ug/L	97
40) 4-Methyl-2-pentanone	7.162	43	837459	216.124	ug/L	100
42) Toluene	7.320	91	781907	105.410	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	394915	109.253	ug/L	99

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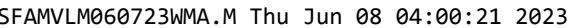
Instrument :
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 ClientSampleId :
 VSTD100230

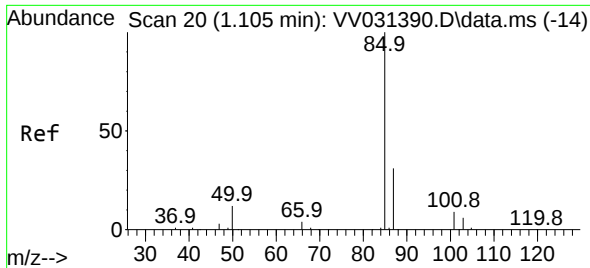
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 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 03:57:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.773	97	247309	100.304	ug/L	99
46) Tetrachloroethene	7.912	164	134291	99.076	ug/L	97
48) 2-Hexanone	8.082	43	655394	216.083	ug/L	99
49) Dibromochloromethane	8.182	129	275262	102.344	ug/L	95
50) 1,2-Dibromoethane	8.288	107	240112	101.157	ug/L	98
51) Chlorobenzene	8.818	112	565394	100.245	ug/L	99
52) Ethylbenzene	8.950	91	1001830	108.522	ug/L	100
53) m,p-Xylene	9.079	106	361749	108.739	ug/L	97
54) o-Xylene	9.484	106	368805	109.894	ug/L	98
55) Styrene	9.500	104	682265	111.510	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.182	83	396646	104.946	ug/L	98
59) Bromoform	9.670	173	222096	96.423	ug/L	99
60) Isopropylbenzene	9.873	105	1086335	105.757	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	341480	93.838	ug/L	98
62) 1,3,5-Trimethylbenzene	10.481	105	926858	109.256	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	929284	109.437	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	514933	97.937	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	530275	95.351	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	527368	97.844	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	99717	103.382	ug/L	97
69) 1,3,5-Trichlorobenzene	12.590	180	401299	99.137	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	359115	103.990	ug/L	99
71) Naphthalene	13.445	128	997469	105.383	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	355119	102.593	ug/L	99

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

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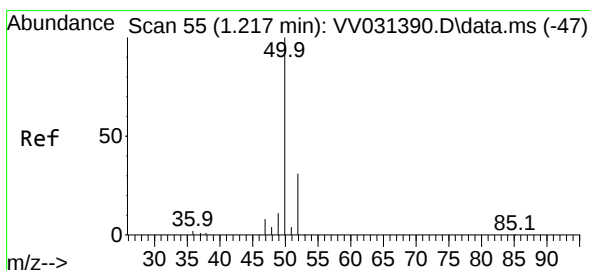
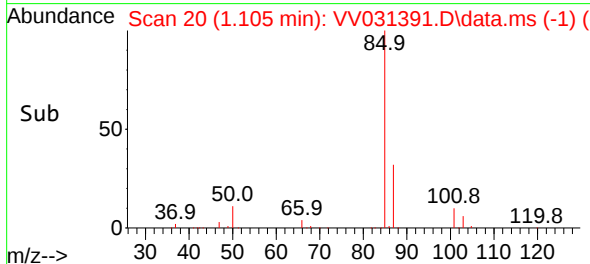
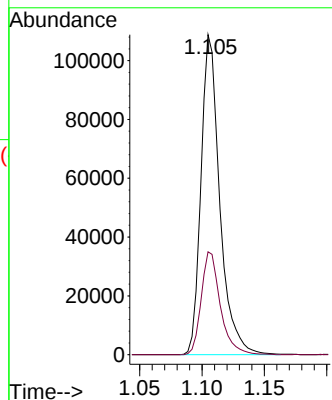
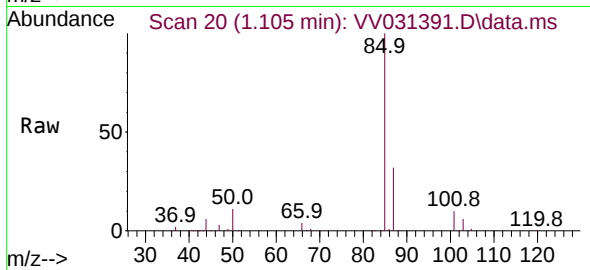




#2
Dichlorodifluoromethane
Concen: 94.400 ug/L
RT: 1.105 min Scan# 20
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

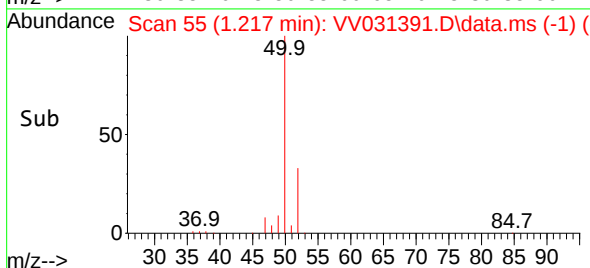
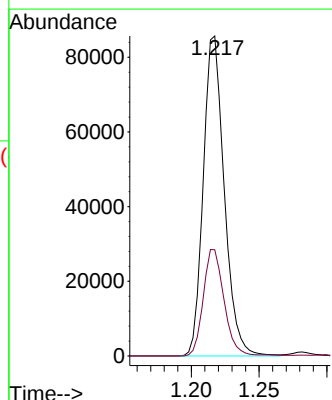
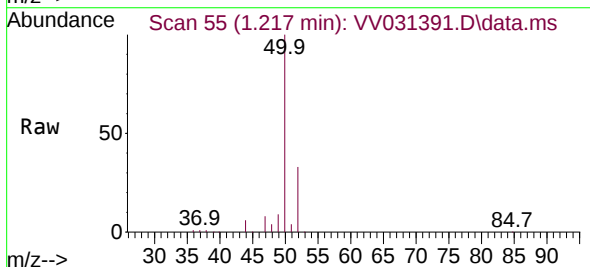
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

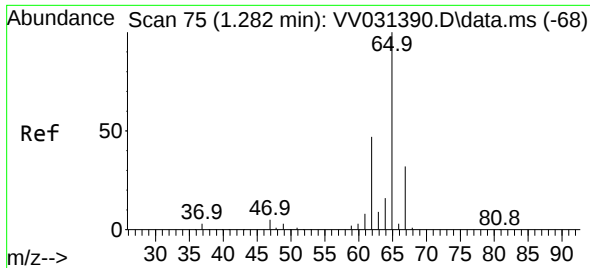
Tgt Ion: 85 Resp: 114099
Ion Ratio Lower Upper
85 100
87 32.7 25.0 37.6



#3
Chloromethane
Concen: 94.380 ug/L
RT: 1.217 min Scan# 55
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 50 Resp: 92573
Ion Ratio Lower Upper
50 100
52 33.2 21.9 40.7

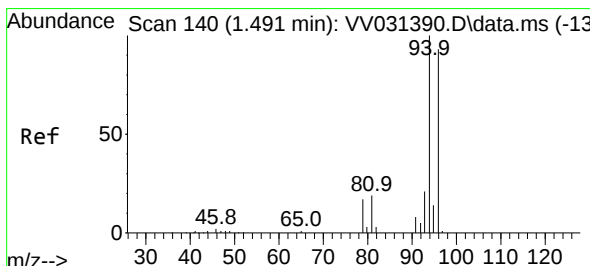
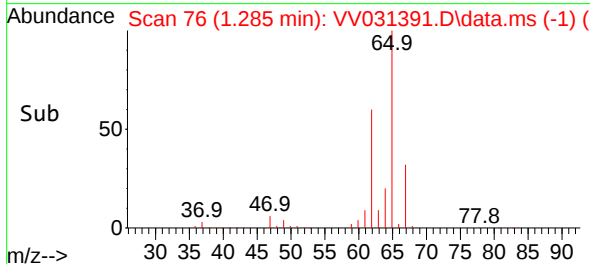
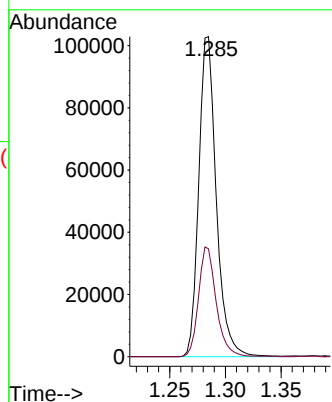
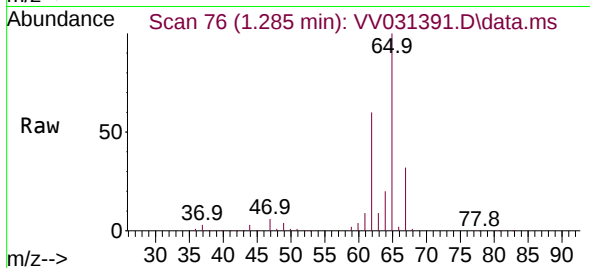




#5
 Vinyl chloride
 Concen: 96.050 ug/L
 RT: 1.285 min Scan# 75
 Delta R.T. 0.003 min
 Lab File: VV031391.D
 Acq: 07 Jun 2023 11:37

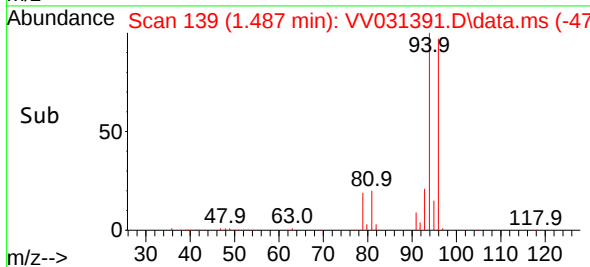
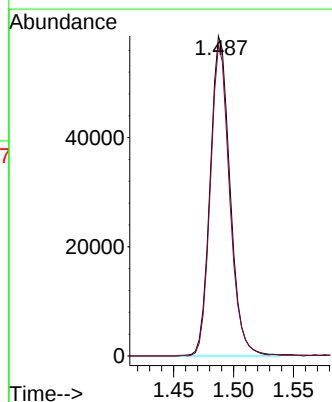
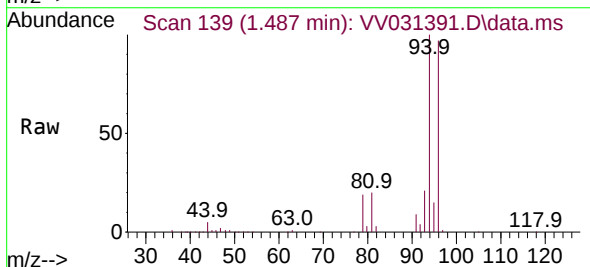
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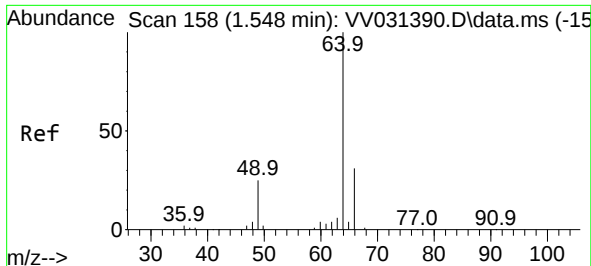
Tgt Ion: 62 Resp: 112402
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.7 43.9



#6
 Bromomethane
 Concen: 96.027 ug/L
 RT: 1.487 min Scan# 139
 Delta R.T. -0.003 min
 Lab File: VV031391.D
 Acq: 07 Jun 2023 11:37

Tgt Ion: 94 Resp: 67541
 Ion Ratio Lower Upper
 94 100
 96 97.0 65.4 121.4

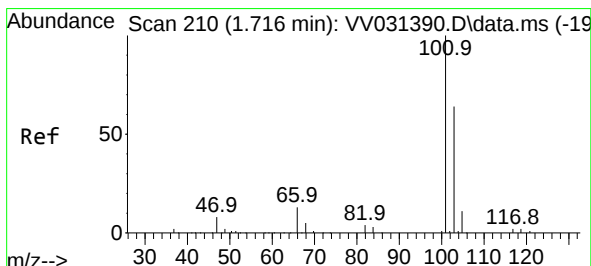
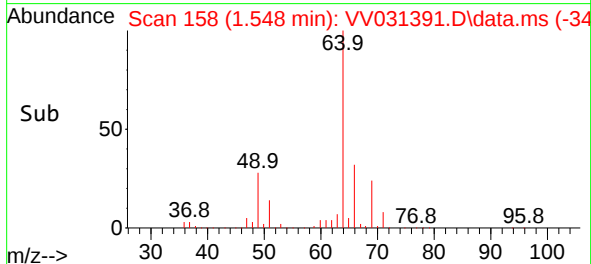
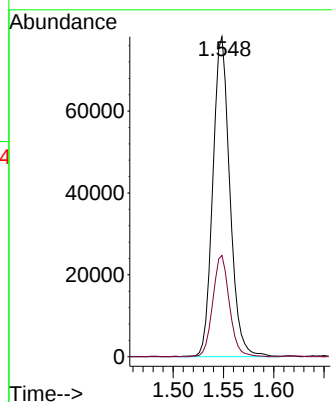
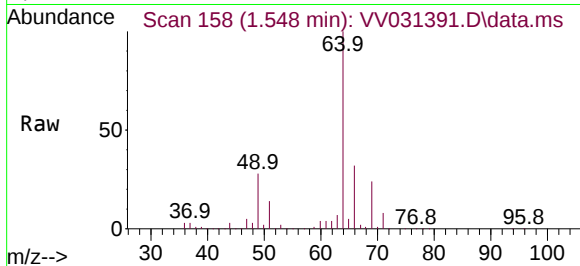




#8
Chloroethane
Concen: 97.855 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

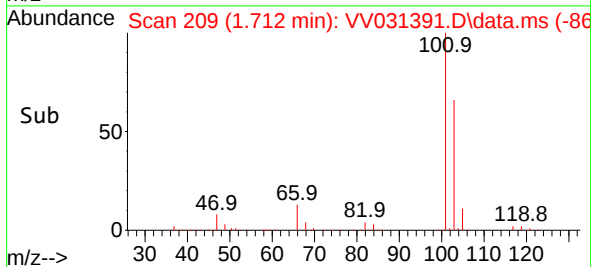
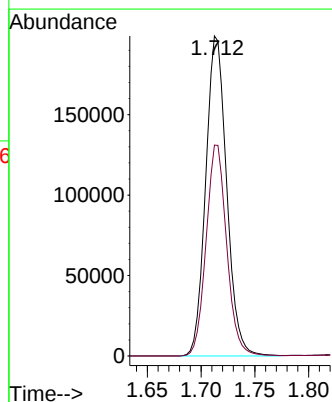
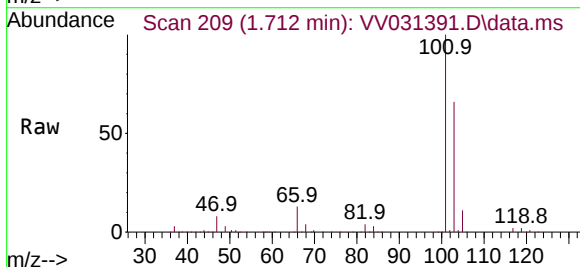
Instrument :
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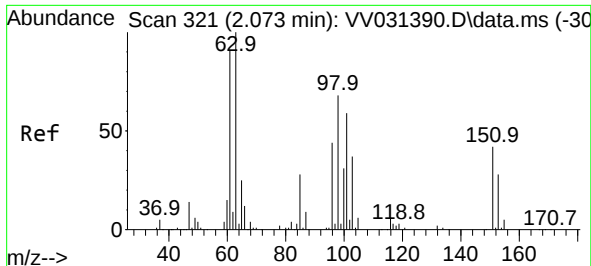
Tgt Ion: 64 Resp: 92264
Ion Ratio Lower Upper
64 100
66 31.6 21.4 39.8



#9
Trichlorofluoromethane
Concen: 95.461 ug/L
RT: 1.712 min Scan# 209
Delta R.T. -0.003 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion:101 Resp: 269645
Ion Ratio Lower Upper
101 100
103 64.8 51.8 77.6

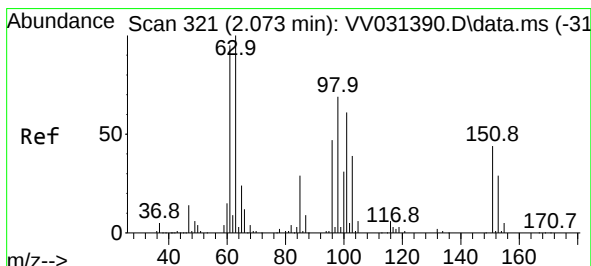
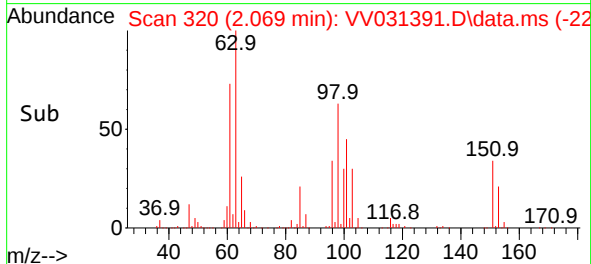
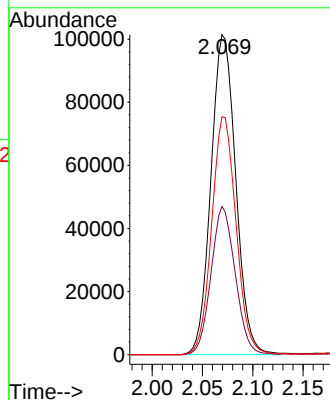
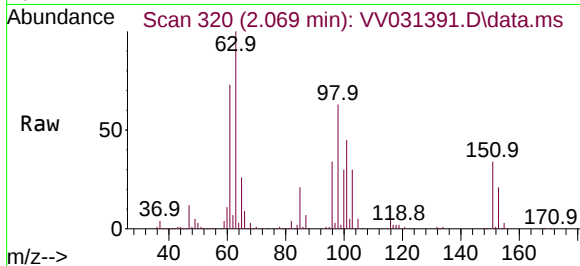




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 95.464 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VV031391.D
 Acq: 07 Jun 2023 11:37

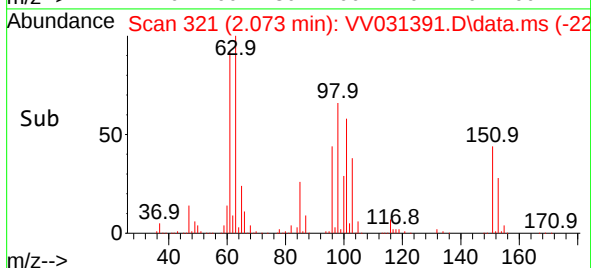
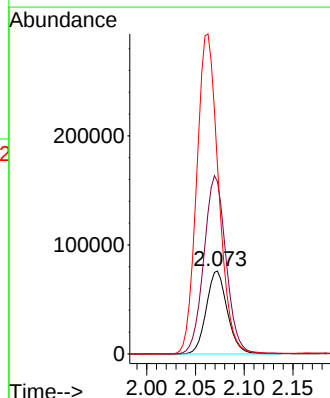
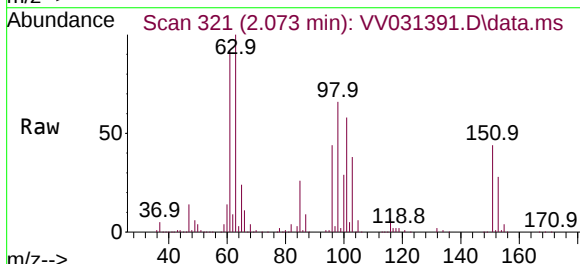
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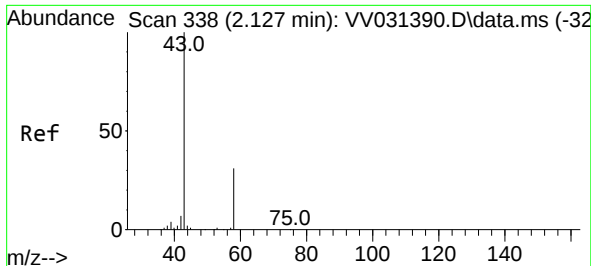
Tgt Ion:101 Resp: 174382
 Ion Ratio Lower Upper
 101 100
 85 45.0 37.3 55.9
 151 73.0 57.8 86.6



#12
 1,1-Dichloroethene
 Concen: 94.558 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV031391.D
 Acq: 07 Jun 2023 11:37

Tgt Ion: 96 Resp: 113697
 Ion Ratio Lower Upper
 96 100
 61 207.7 143.9 267.3
 63 226.7 158.3 293.9





#13

Acetone

Concen: 175.980 ug/L

RT: 2.121 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

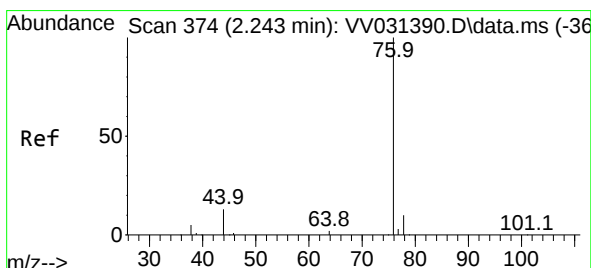
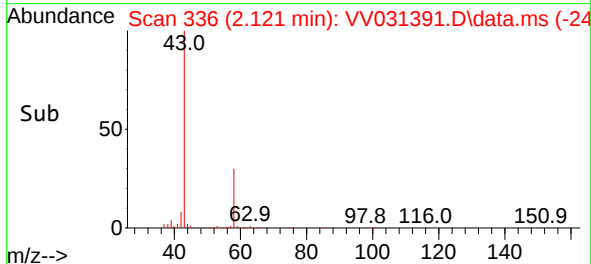
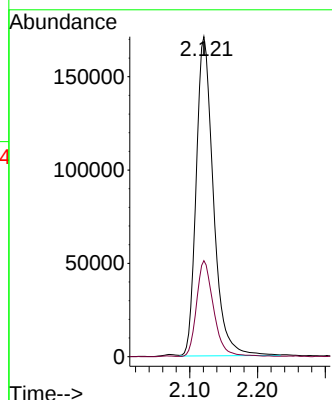
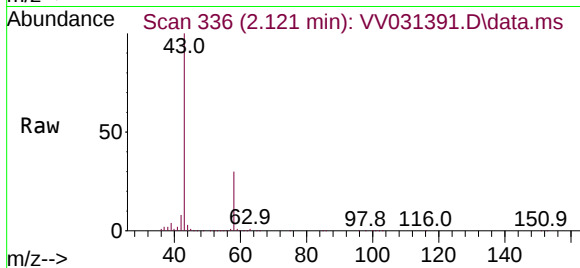
VSTD100230

Tgt Ion: 43 Resp: 301708

Ion Ratio Lower Upper

43 100

58 29.4 0.0 61.0



#14

Carbon disulfide

Concen: 87.935 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.000 min

Lab File: VV031391.D

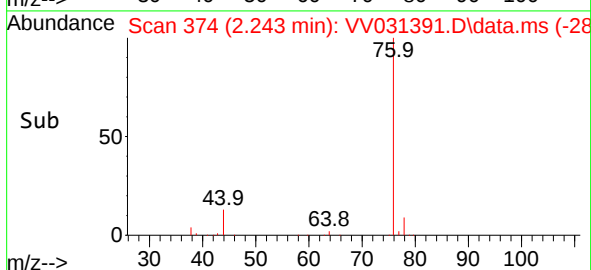
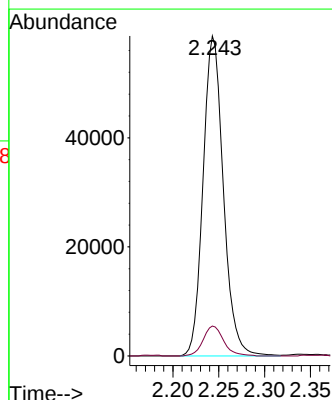
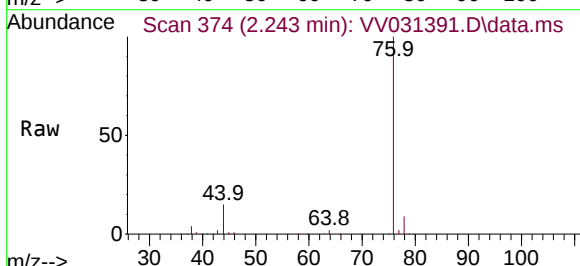
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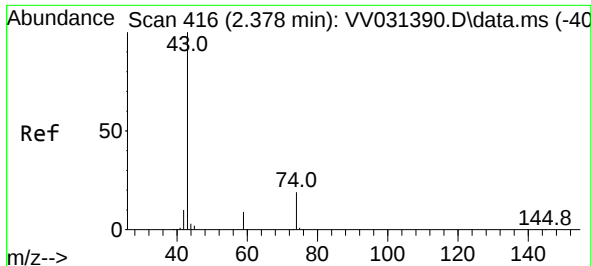
Tgt Ion: 76 Resp: 90443

Ion Ratio Lower Upper

76 100

78 9.3 7.9 11.9

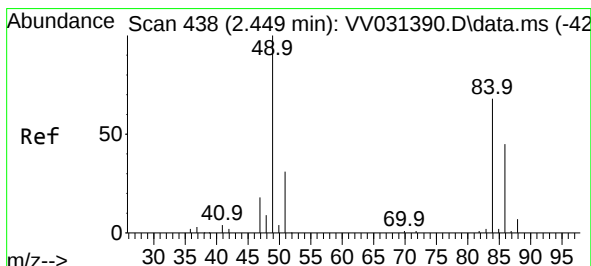
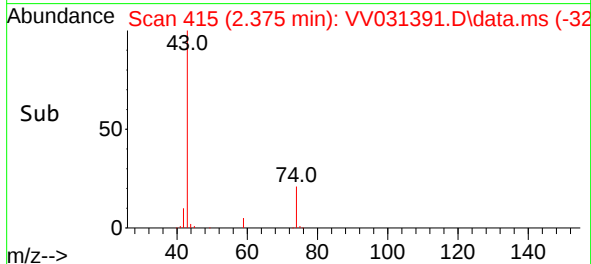
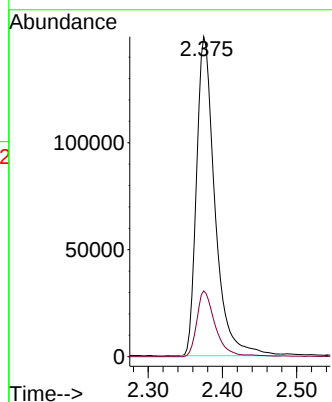
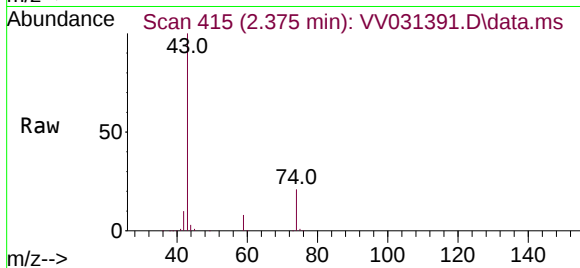




#15
Methyl Acetate
Concen: 99.628 ug/L
RT: 2.375 min Scan# 416
Delta R.T. -0.003 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

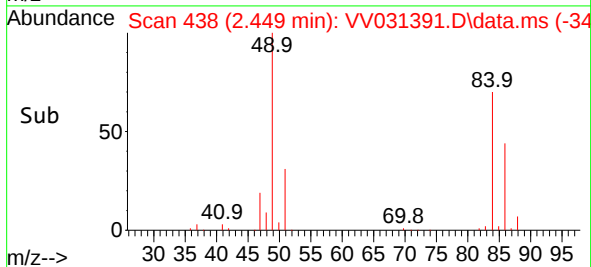
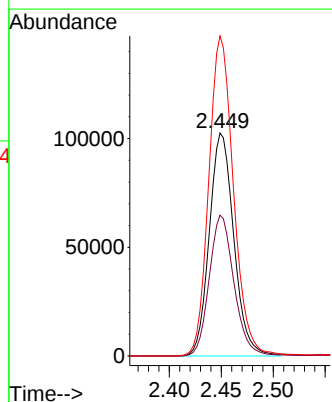
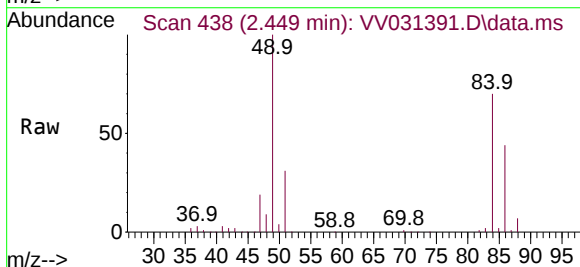
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

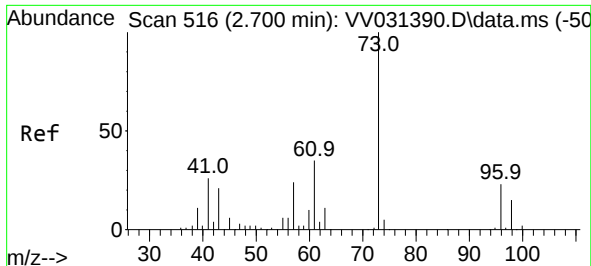
Tgt Ion: 43 Resp: 257928
Ion Ratio Lower Upper
43 100
74 20.2 16.0 24.0



#16
Methylene chloride
Concen: 92.839 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 84 Resp: 168506
Ion Ratio Lower Upper
84 100
86 63.1 46.1 85.5
49 143.6 102.7 190.7





#17

trans-1,2-Dichloroethene

Concen: 98.847 ug/L

RT: 2.696 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD100230

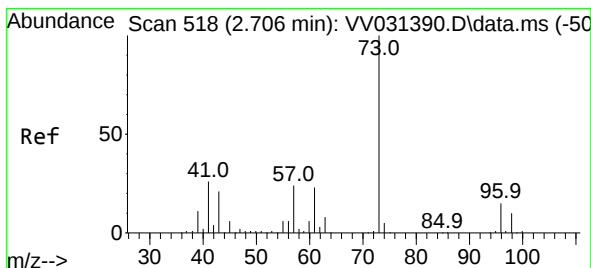
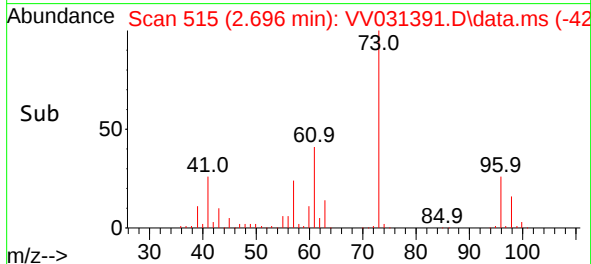
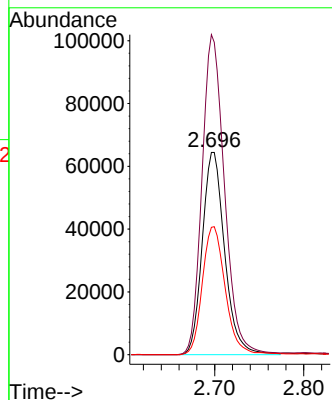
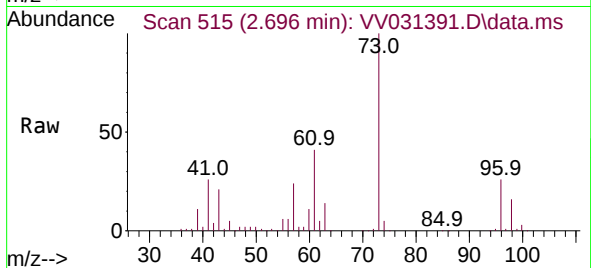
Tgt Ion: 96 Resp: 112687

Ion Ratio Lower Upper

96 100

61 158.2 106.9

98 62.9 44.9



#18

Methyl tert-butyl Ether

Concen: 103.741 ug/L

RT: 2.706 min Scan# 518

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

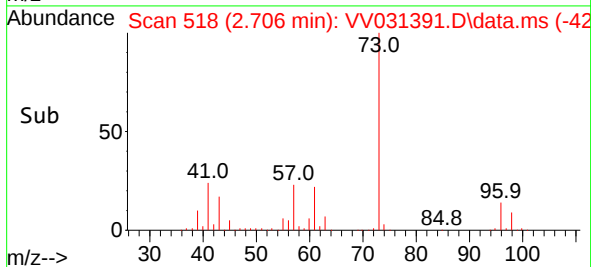
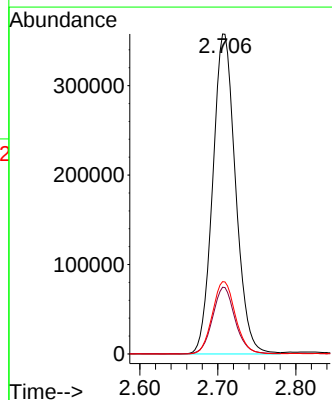
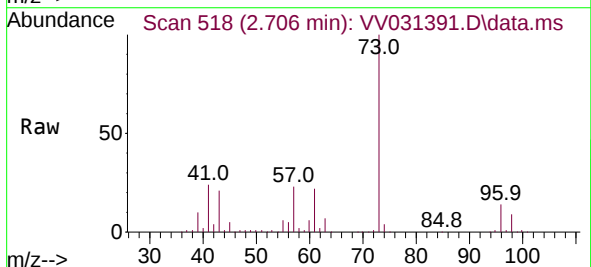
Tgt Ion: 73 Resp: 726952

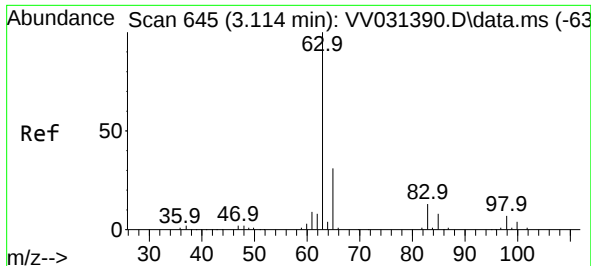
Ion Ratio Lower Upper

73 100

43 20.5 16.6

57 22.9 18.6





#19

1,1-Dichloroethane

Concen: 97.604 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD100230

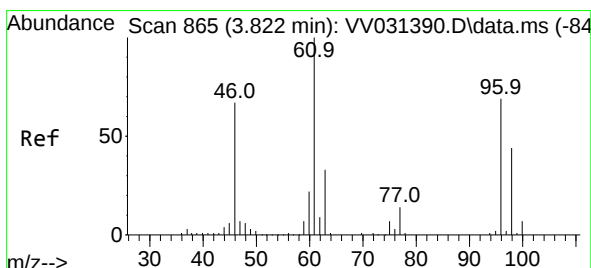
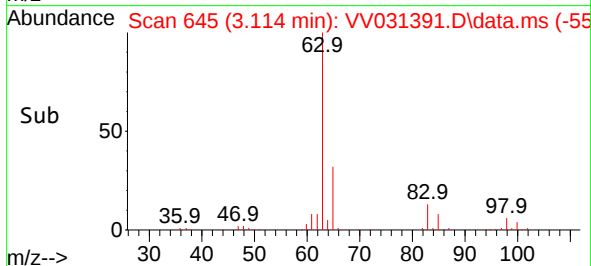
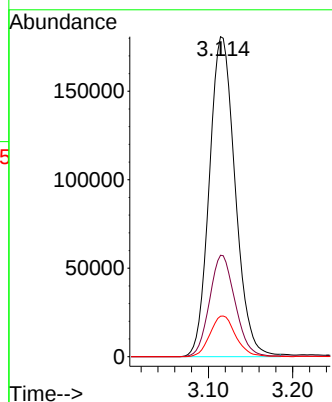
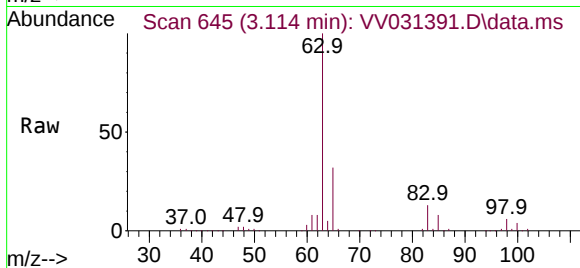
Tgt Ion: 63 Resp: 384893

Ion Ratio Lower Upper

63 100

65 31.7 21.4 39.8

83 12.7 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 101.344 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

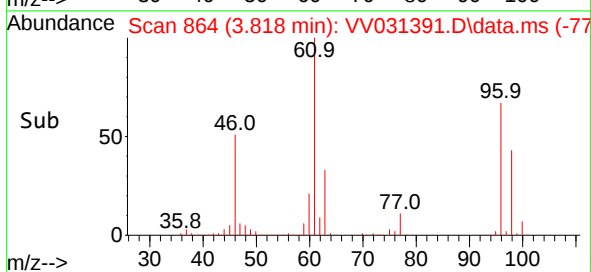
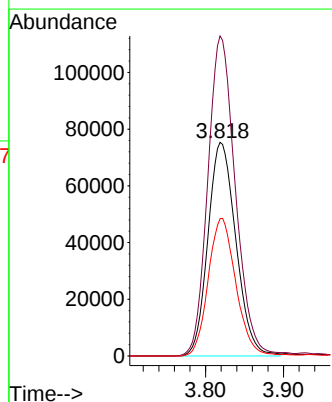
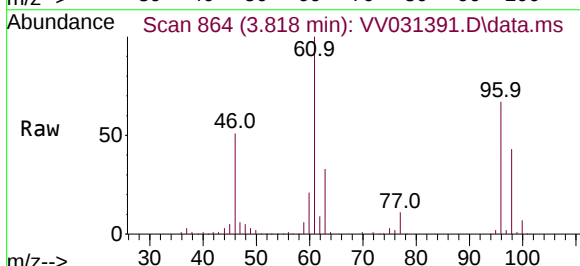
Tgt Ion: 96 Resp: 187834

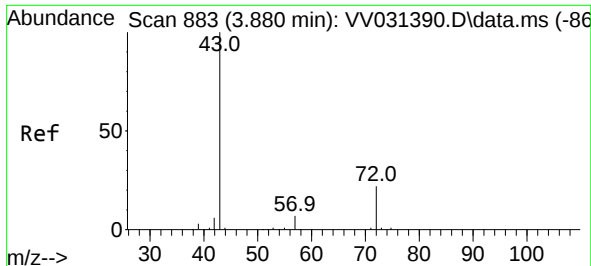
Ion Ratio Lower Upper

96 100

61 149.9 101.6 188.6

98 64.3 44.4 82.4

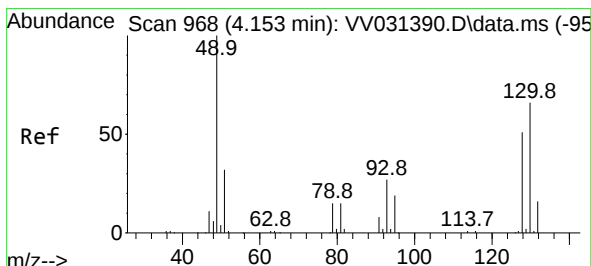
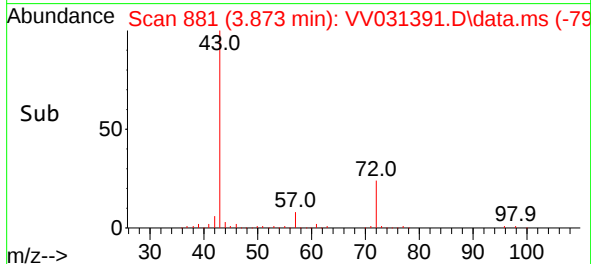
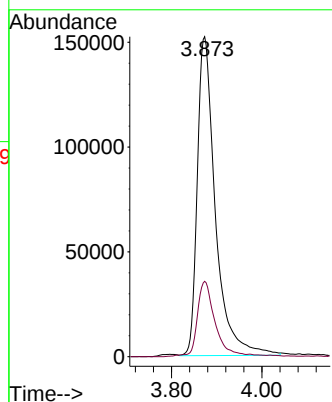
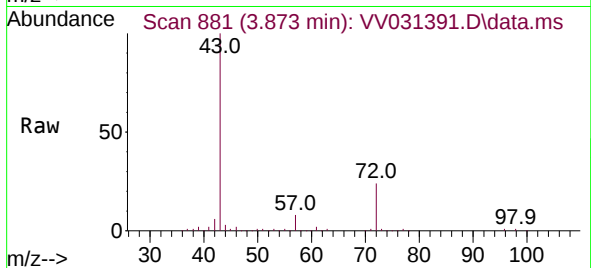




#22
2-Butanone
Concen: 202.519 ug/L
RT: 3.873 min Scan# 881
Delta R.T. -0.006 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

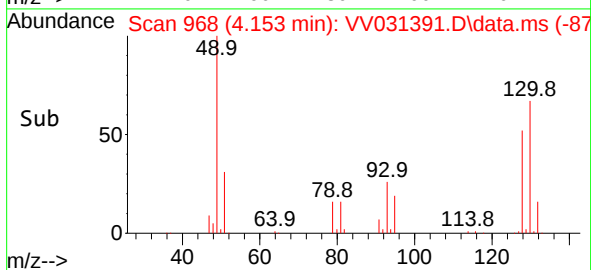
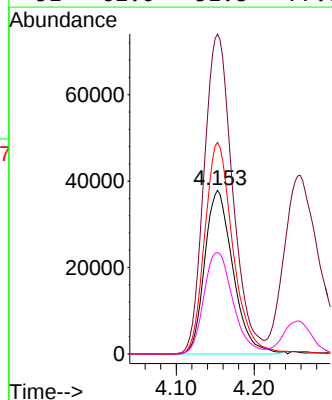
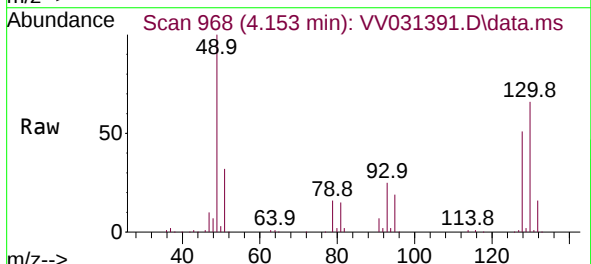
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

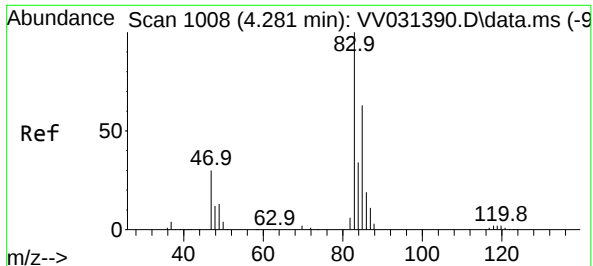
Tgt Ion: 43 Resp: 423248
Ion Ratio Lower Upper
43 100
72 21.7 10.4 31.4



#23
Bromochloromethane
Concen: 97.479 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 128 Resp: 95009
Ion Ratio Lower Upper
128 100
49 195.5 138.2 256.6
130 129.3 91.4 169.8
51 62.0 51.8 77.6





#25

Chloroform

Concen: 97.625 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

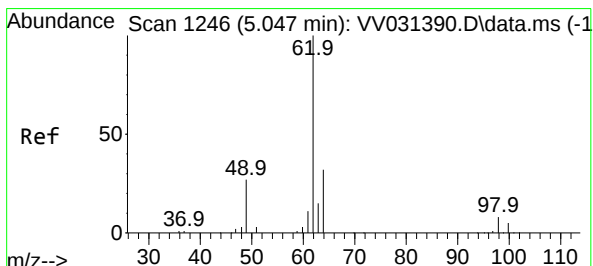
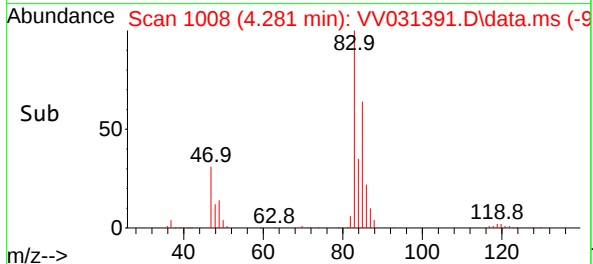
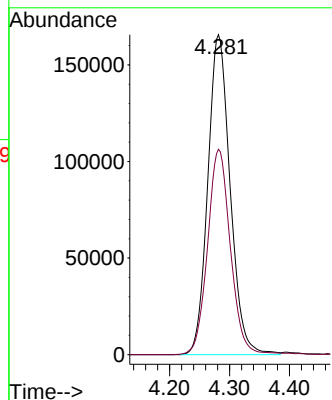
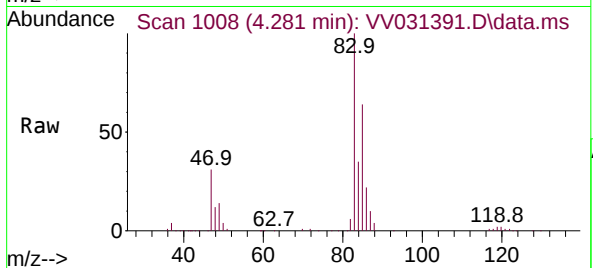
VSTD100230

Tgt Ion: 83 Resp: 429291

Ion Ratio Lower Upper

83 100

85 64.2 43.9 81.5



#27

1,2-Dichloroethane

Concen: 102.100 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VV031391.D

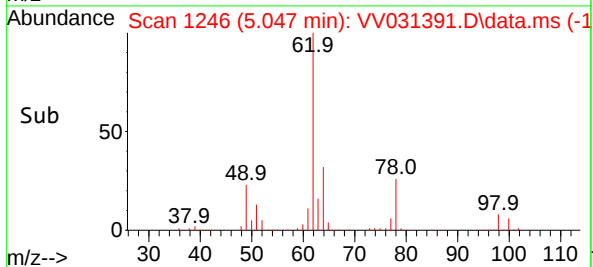
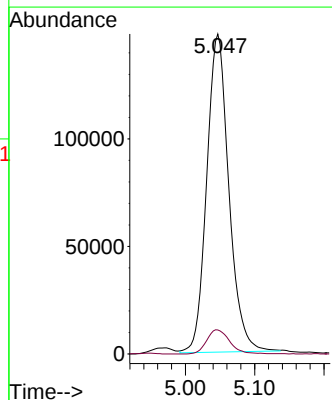
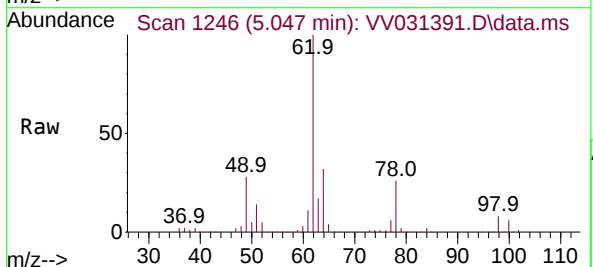
Acq: 07 Jun 2023 11:37

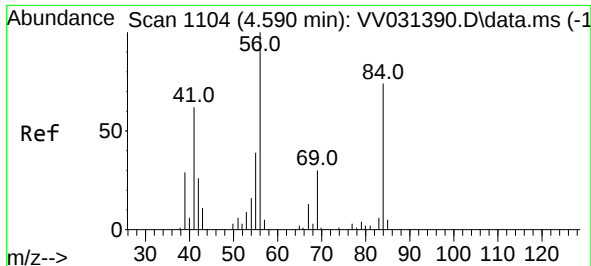
Tgt Ion: 62 Resp: 327833

Ion Ratio Lower Upper

62 100

98 7.5 6.2 9.4

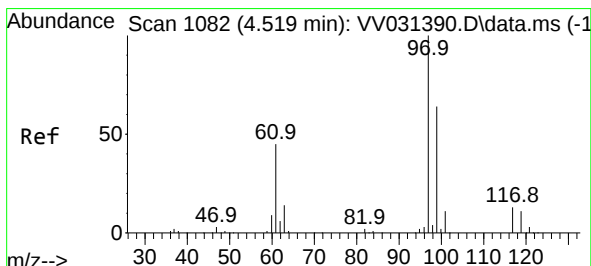
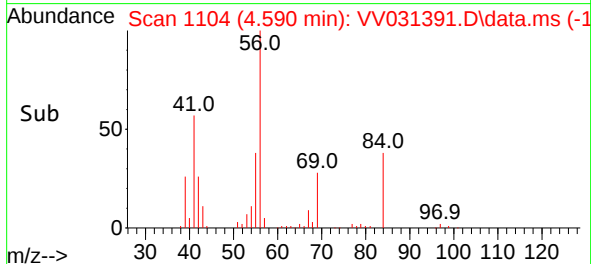
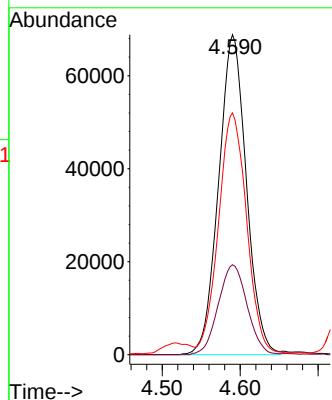
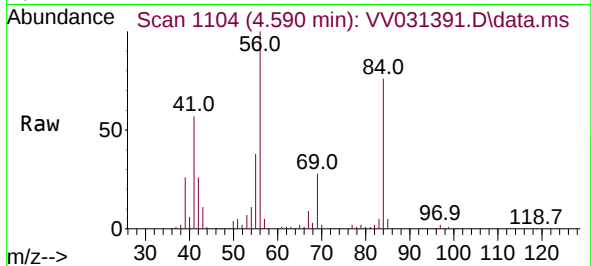




#29
Cyclohexane
Concen: 105.662 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

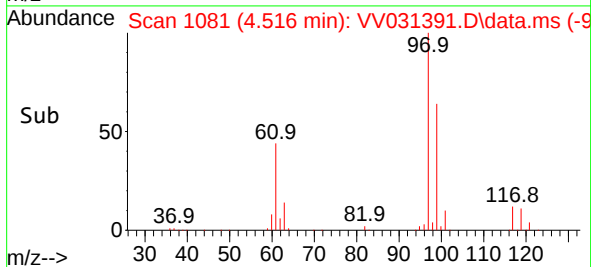
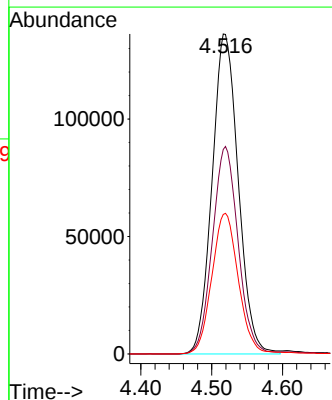
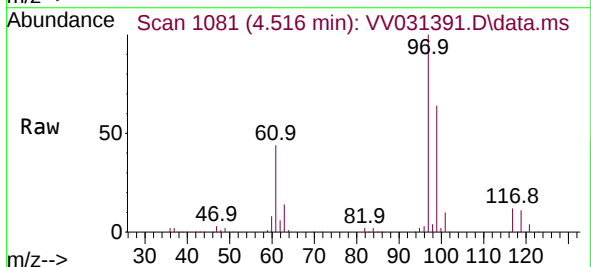
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

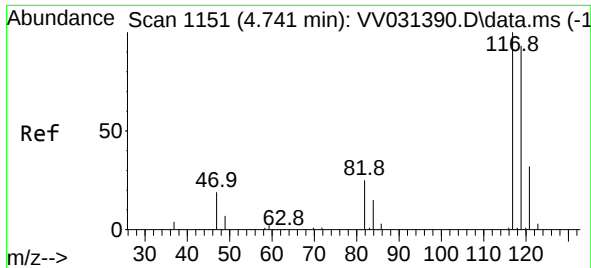
Tgt Ion: 56 Resp: 169965
Ion Ratio Lower Upper
56 100
69 29.3 23.5 35.3
84 75.7 61.3 91.9



#30
1,1,1-Trichloroethane
Concen: 98.696 ug/L
RT: 4.516 min Scan# 1081
Delta R.T. -0.003 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 97 Resp: 349902
Ion Ratio Lower Upper
97 100
99 63.8 51.9 77.9
61 44.4 36.1 54.1

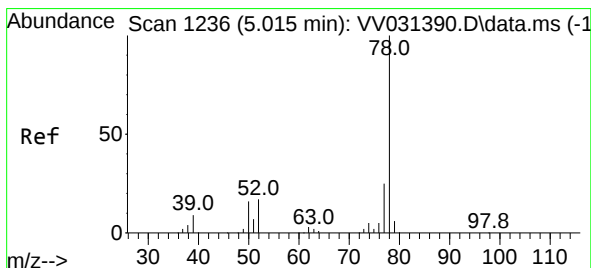
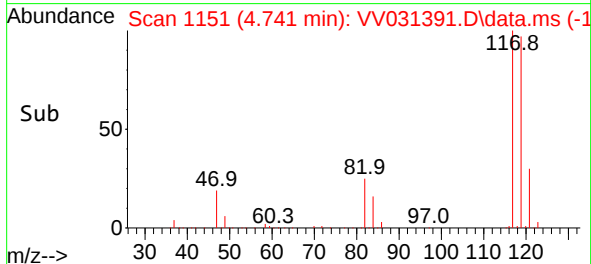
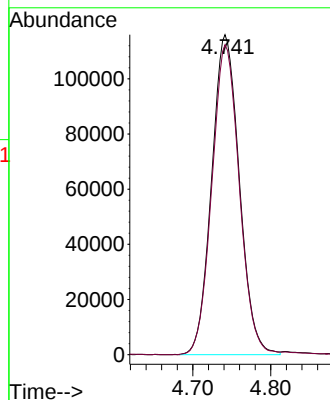
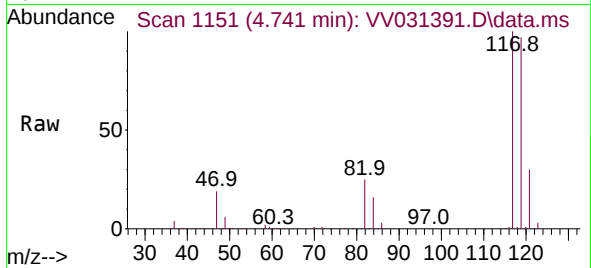




#31
Carbon tetrachloride
Concen: 97.101 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

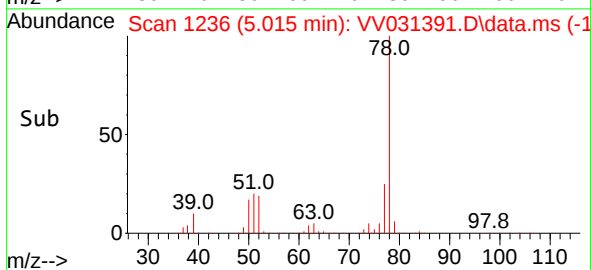
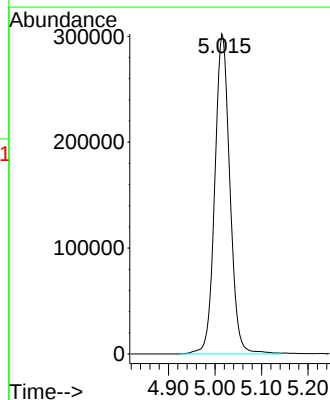
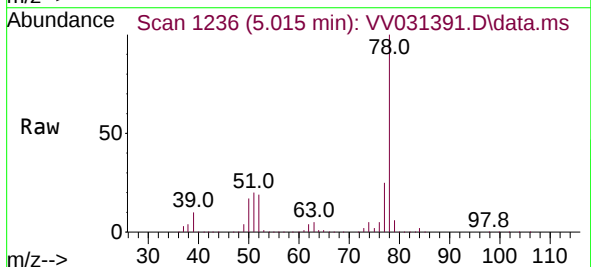
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

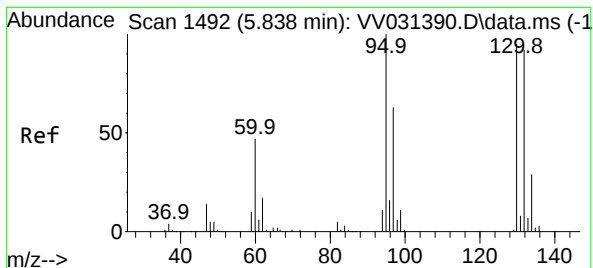
Tgt Ion:117 Resp: 285967
Ion Ratio Lower Upper
117 100
119 96.1 75.8 113.6



#33
Benzene
Concen: 102.965 ug/L
RT: 5.015 min Scan# 1236
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 78 Resp: 682356





#34

Trichloroethene

Concen: 97.297 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD100230

Tgt Ion: 95 Resp: 203145

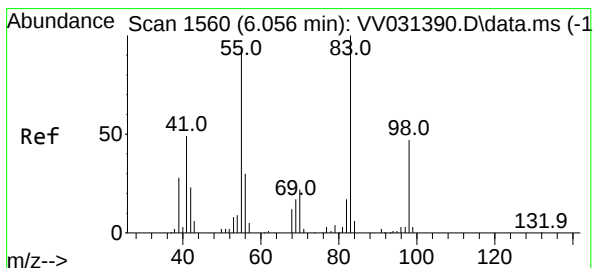
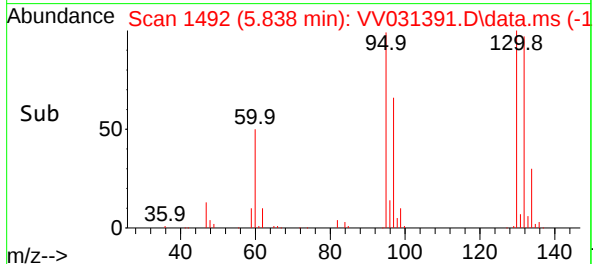
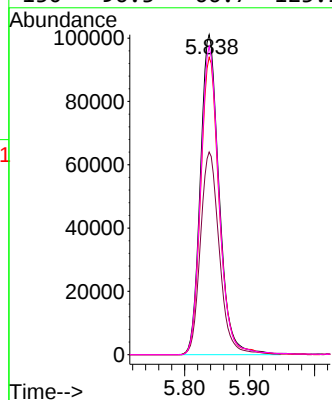
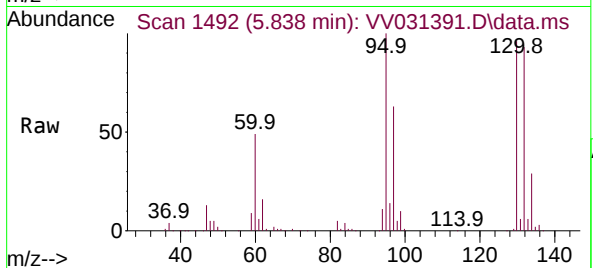
Ion Ratio Lower Upper

95 100

97 63.4 44.2 82.0

132 92.9 64.2 119.2

130 96.3 66.7 123.9



#35

Methylcyclohexane

Concen: 102.849 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

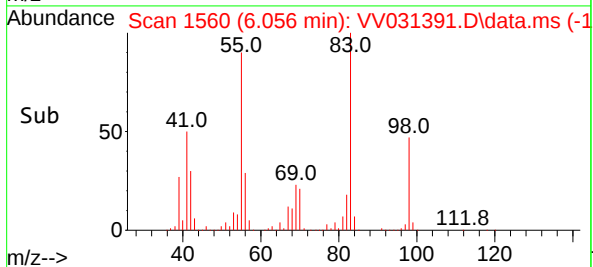
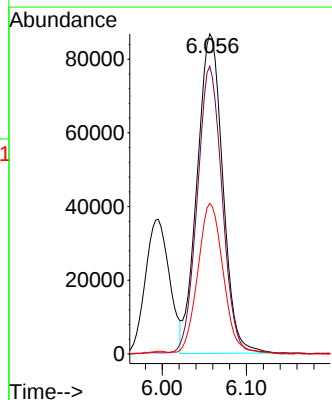
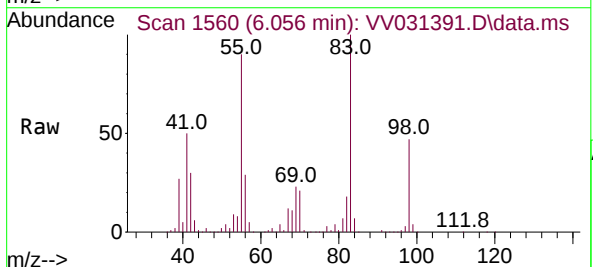
Tgt Ion: 83 Resp: 183657

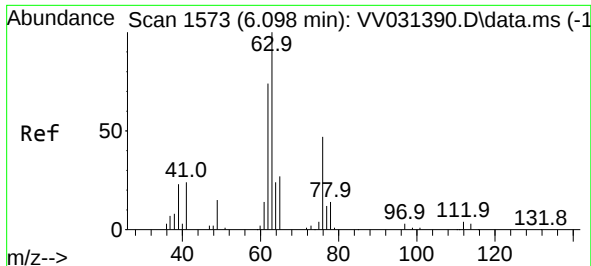
Ion Ratio Lower Upper

83 100

55 87.3 73.9 110.9

98 45.8 37.0 55.4





#37

1,2-Dichloropropane

Concen: 103.413 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

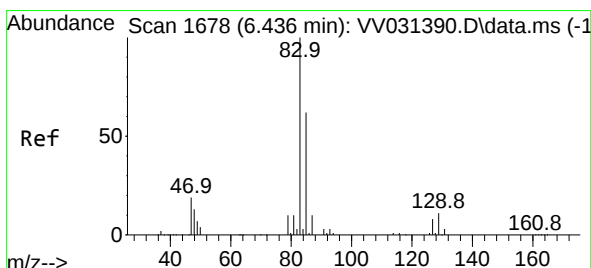
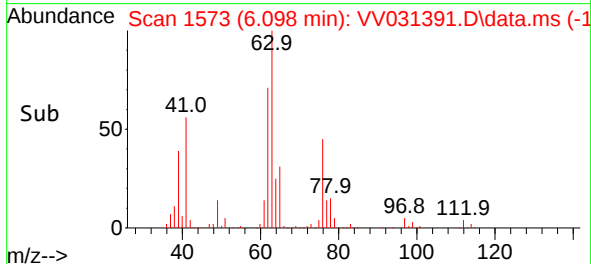
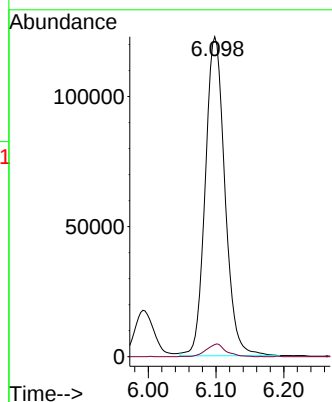
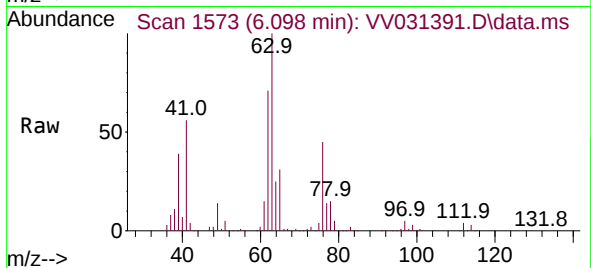
VSTD100230

Tgt Ion: 63 Resp: 246677

Ion Ratio Lower Upper

63 100

112 4.0 3.3 4.9



#38

Bromodichloromethane

Concen: 99.884 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

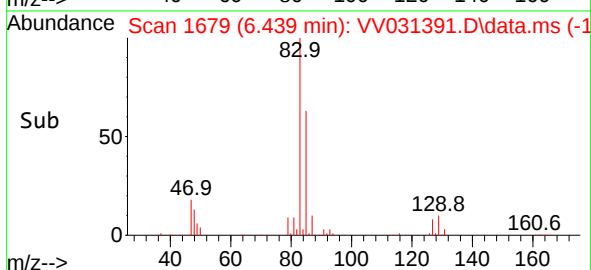
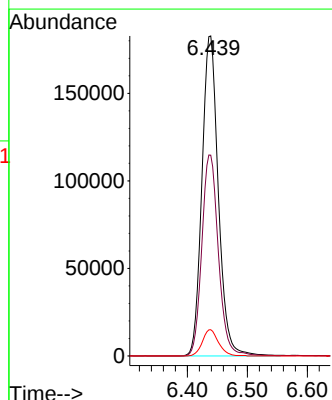
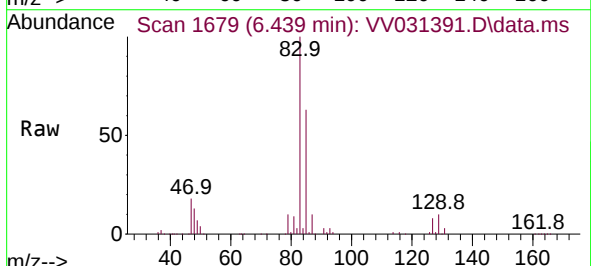
Tgt Ion: 83 Resp: 348721

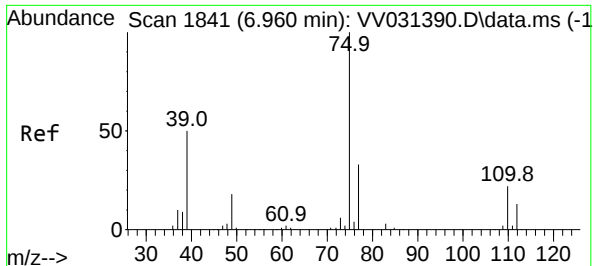
Ion Ratio Lower Upper

83 100

85 62.7 43.2 80.2

127 8.2 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 109.117 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. -0.003 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

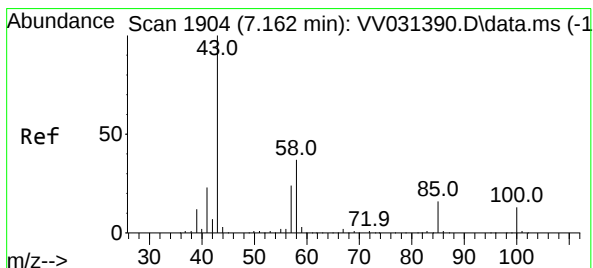
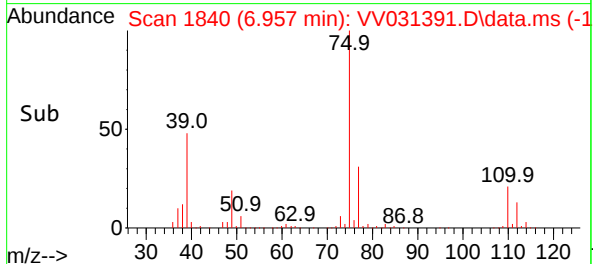
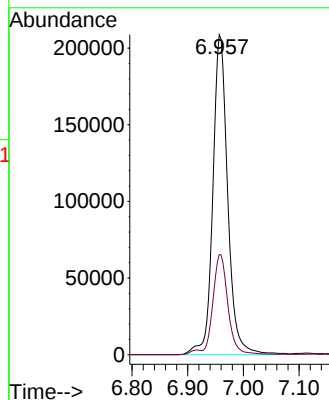
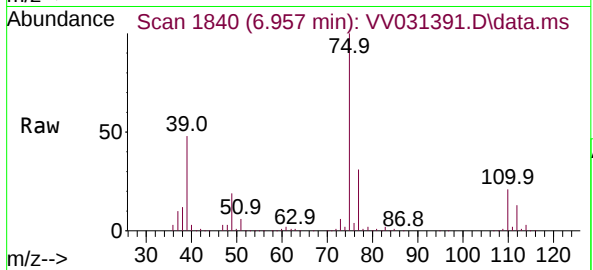
VSTD100230

Tgt Ion: 75 Resp: 388868

Ion Ratio Lower Upper

75 100

77 31.3 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 216.124 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

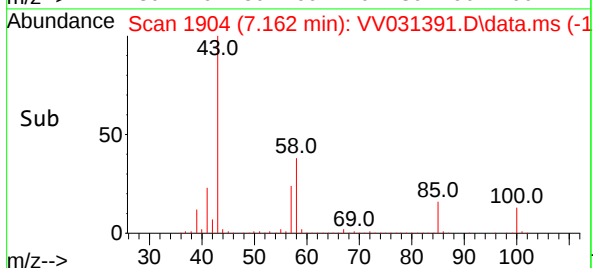
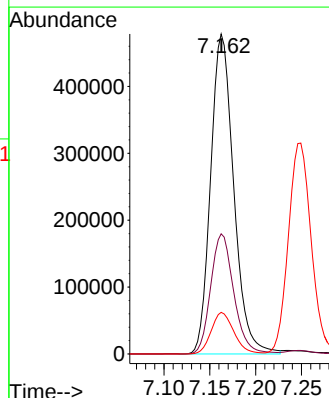
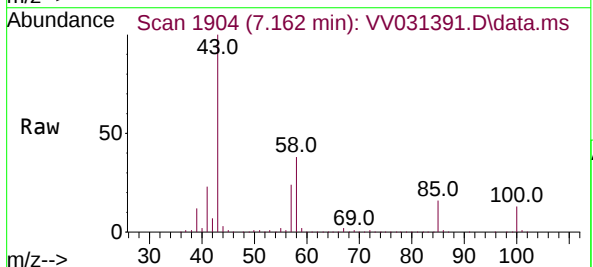
Tgt Ion: 43 Resp: 837459

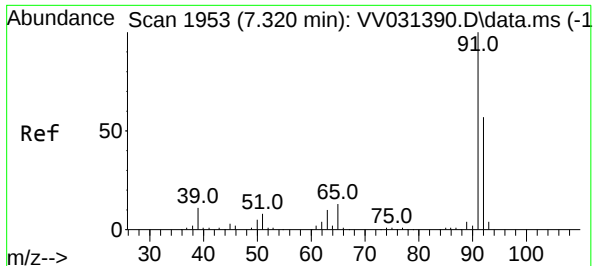
Ion Ratio Lower Upper

43 100

58 37.5 29.9 44.9

100 12.8 10.3 15.5





#42

Toluene

Concen: 105.410 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

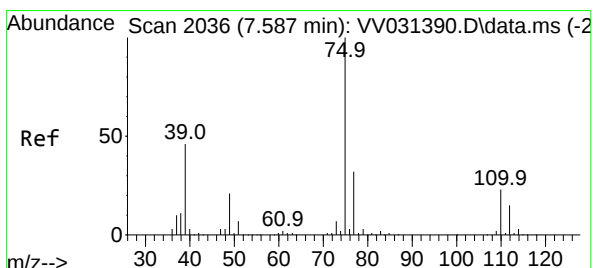
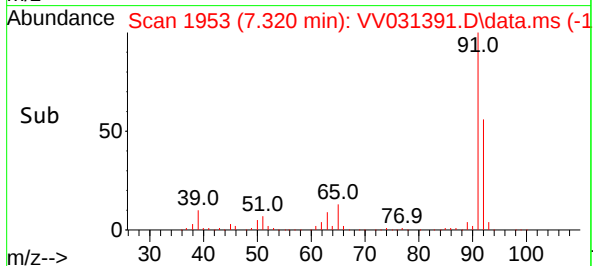
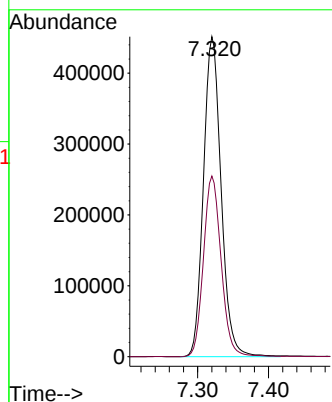
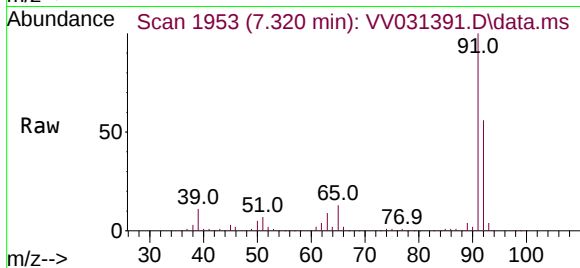
VSTD100230

Tgt Ion: 91 Resp: 781907

Ion Ratio Lower Upper

91 100

92 56.5 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 109.253 ug/L

RT: 7.584 min Scan# 2035

Delta R.T. -0.003 min

Lab File: VV031391.D

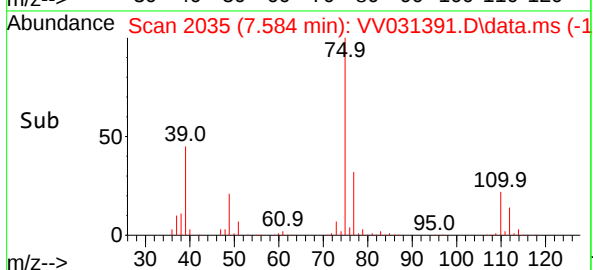
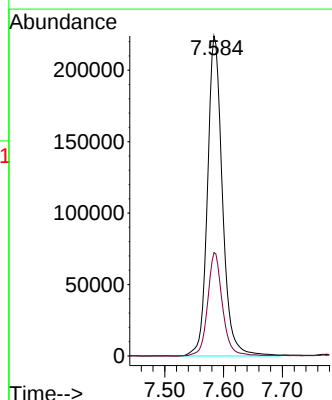
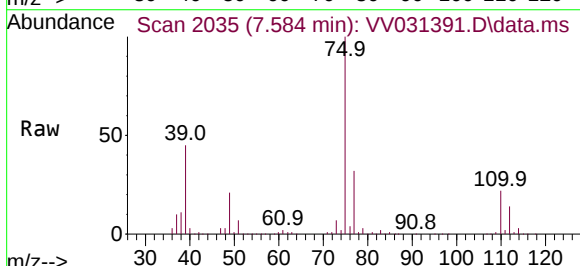
Acq: 07 Jun 2023 11:37

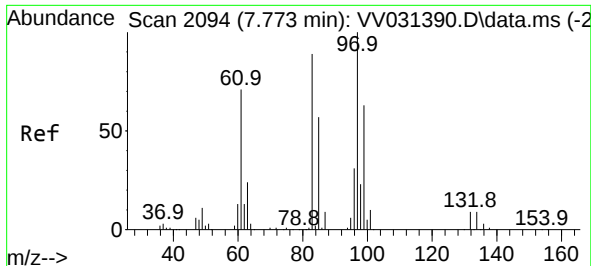
Tgt Ion: 75 Resp: 394915

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 100.304 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD100230

Tgt Ion: 97 Resp: 247309

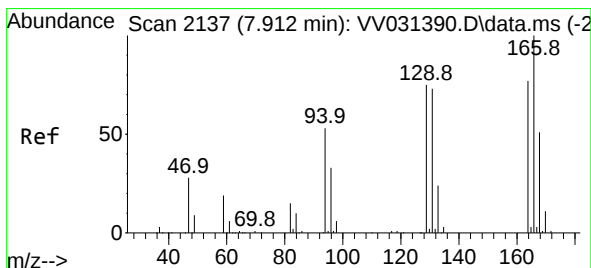
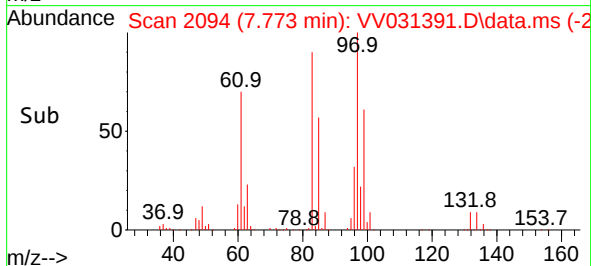
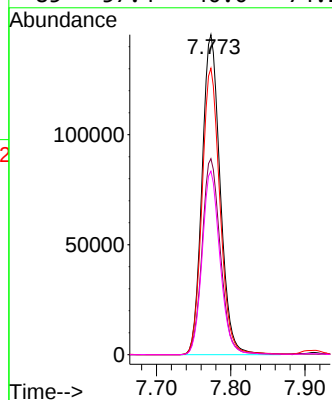
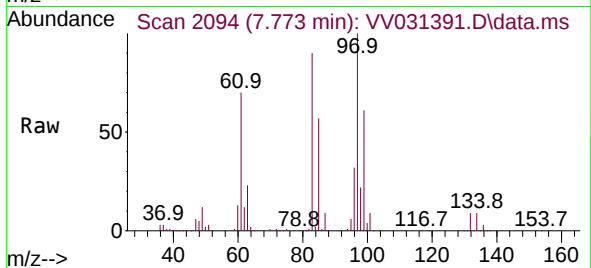
Ion Ratio Lower Upper

97 100

99 61.3 43.8 81.4

83 89.5 61.9 115.1

85 57.4 40.0 74.2



#46

Tetrachloroethene

Concen: 99.076 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Tgt Ion: 164 Resp: 134291

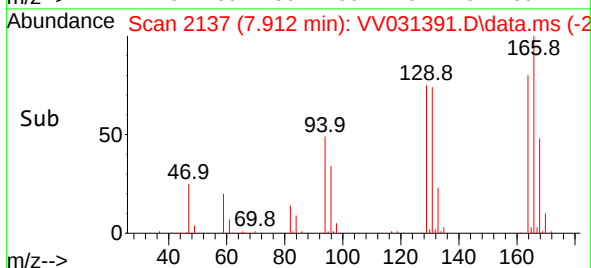
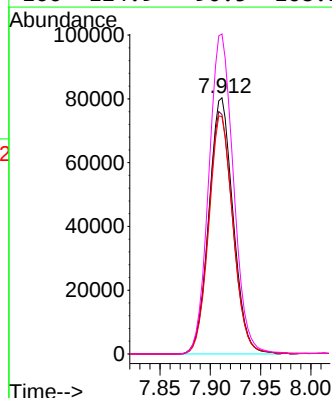
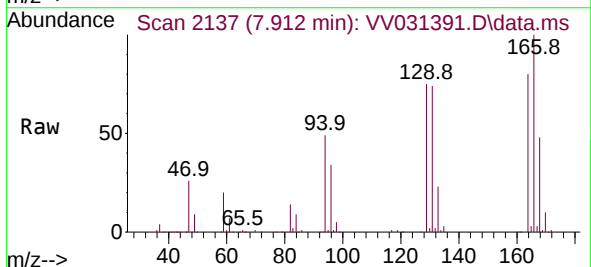
Ion Ratio Lower Upper

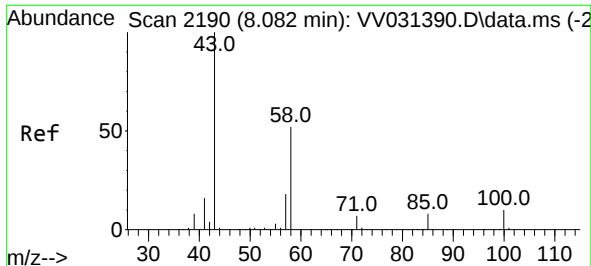
164 100

129 93.5 68.0 126.4

131 92.7 65.5 121.7

166 124.9 90.5 168.1

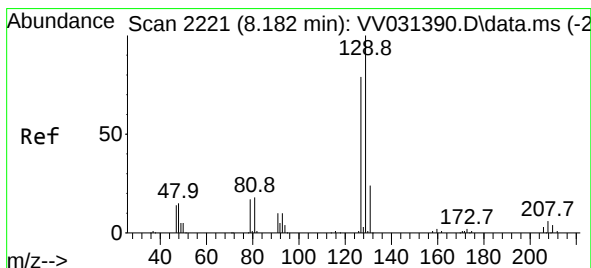
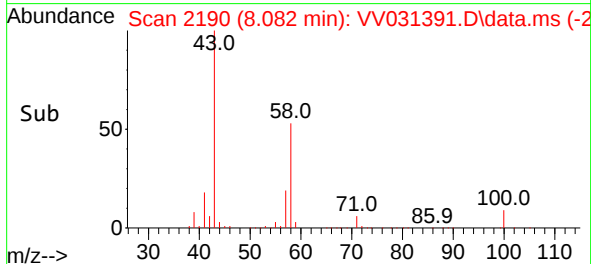
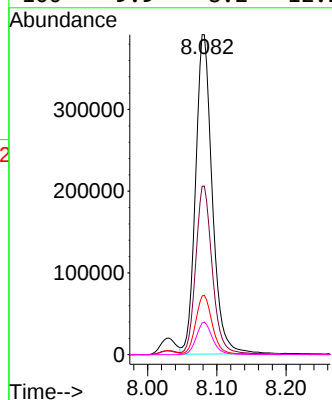
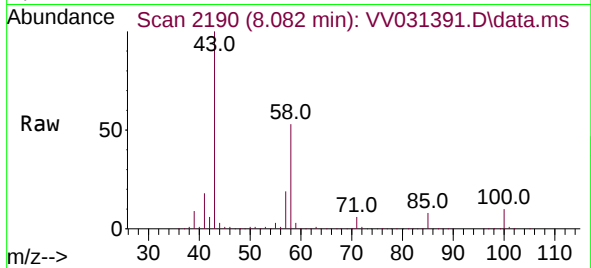




#48
2-Hexanone
Concen: 216.083 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

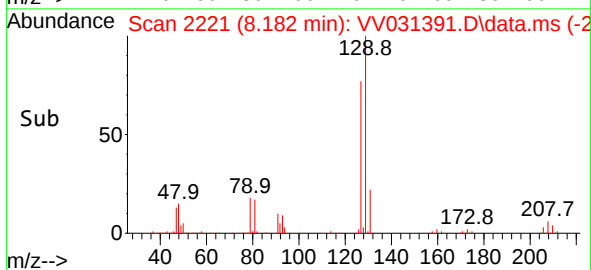
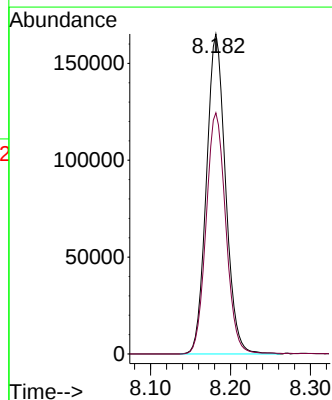
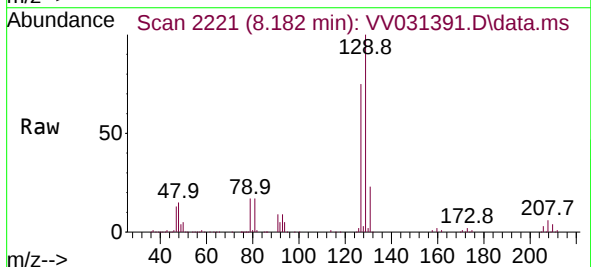
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

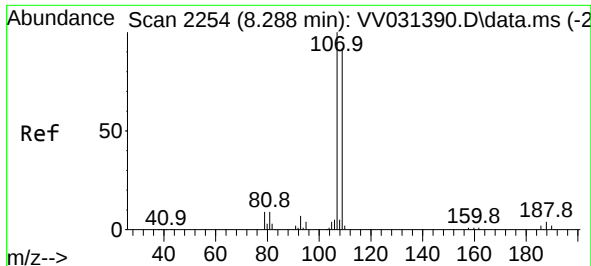
Tgt Ion: 43 Resp: 655394
Ion Ratio Lower Upper
43 100
58 52.3 42.9 64.3
57 18.7 14.6 22.0
100 9.9 8.2 12.2



#49
Dibromochloromethane
Concen: 102.344 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 129 Resp: 275262
Ion Ratio Lower Upper
129 100
127 75.3 55.5 103.1





#50

1,2-Dibromoethane

Concen: 101.157 ug/L

RT: 8.288 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD100230

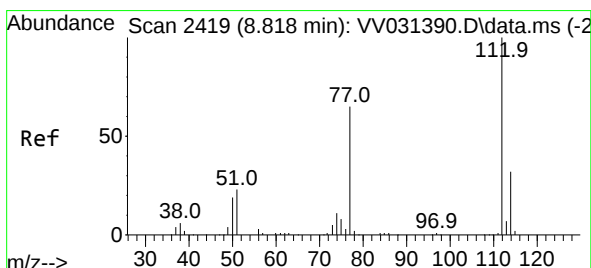
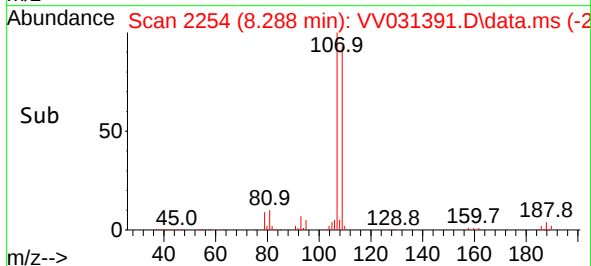
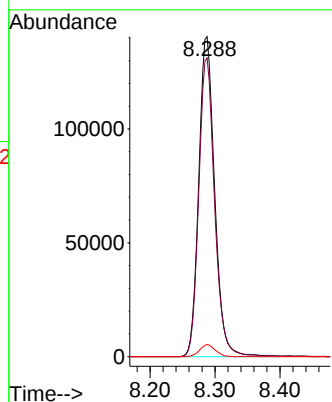
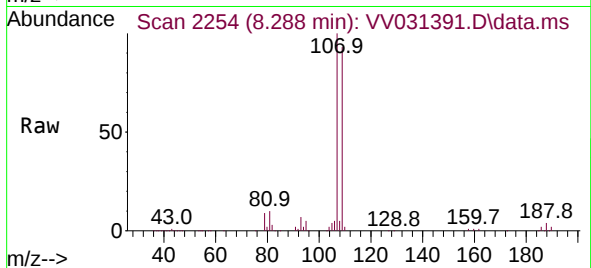
Tgt Ion:107 Resp: 240112

Ion Ratio Lower Upper

107 100

109 93.4 64.1 119.1

188 3.8 3.3 4.9



#51

Chlorobenzene

Concen: 100.245 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

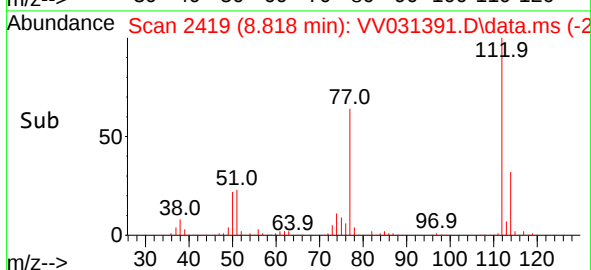
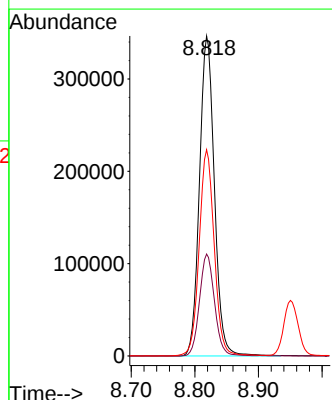
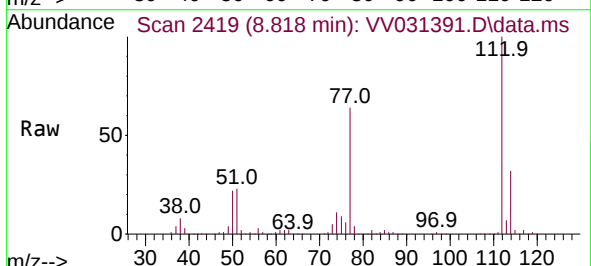
Tgt Ion:112 Resp: 565394

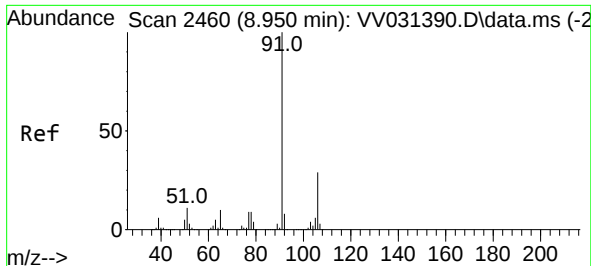
Ion Ratio Lower Upper

112 100

114 31.9 22.4 41.6

77 64.4 52.4 78.6





#52

Ethylbenzene

Concen: 108.522 ug/L

RT: 8.950 min Scan# 2460

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

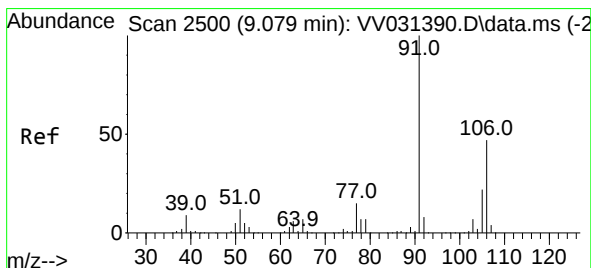
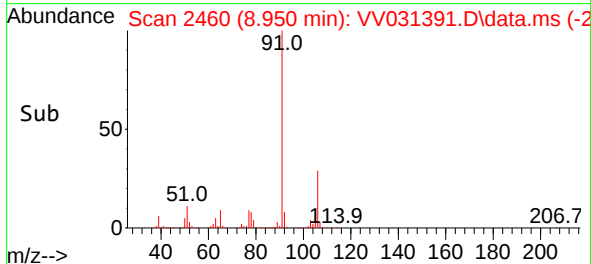
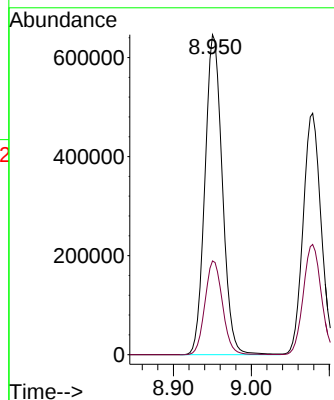
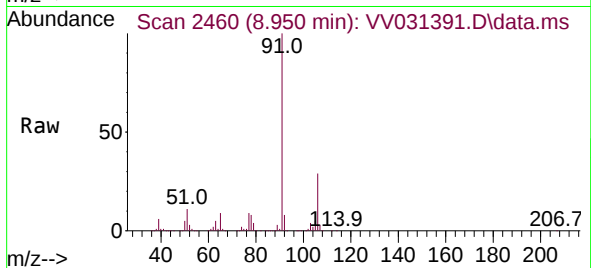
VSTD100230

Tgt Ion: 91 Resp: 1001830

Ion Ratio Lower Upper

91 100

106 29.3 20.4 38.0



#53

m,p-Xylene

Concen: 108.739 ug/L

RT: 9.079 min Scan# 2500

Delta R.T. 0.000 min

Lab File: VV031391.D

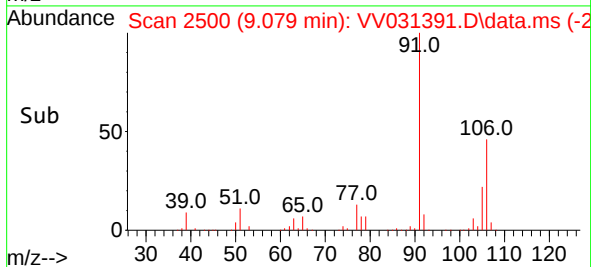
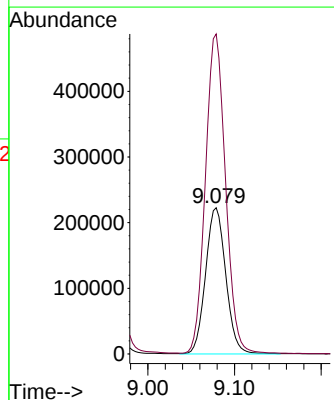
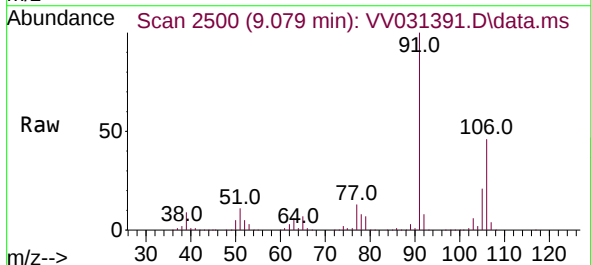
Acq: 07 Jun 2023 11:37

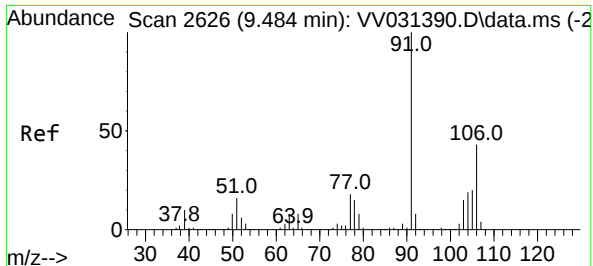
Tgt Ion:106 Resp: 361749

Ion Ratio Lower Upper

106 100

91 218.8 149.4 277.5

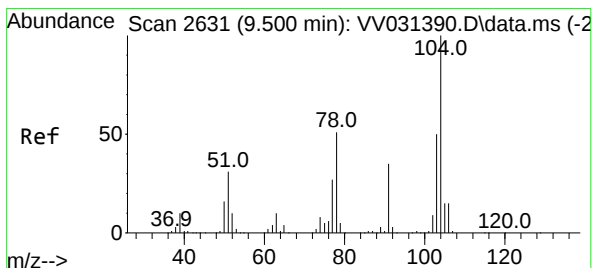
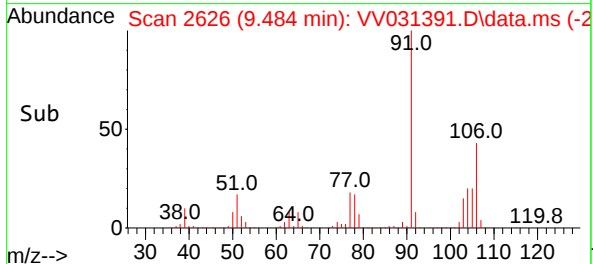
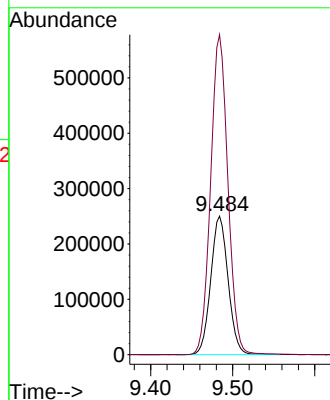
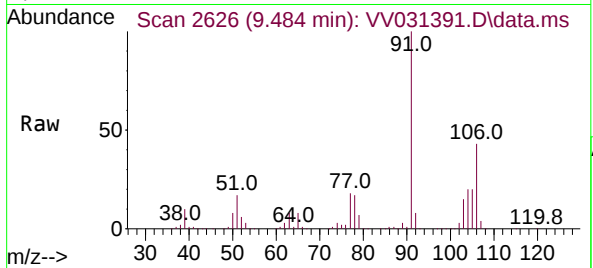




#54
o-Xylene
Concen: 109.894 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

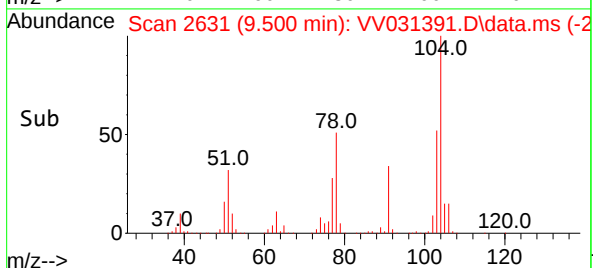
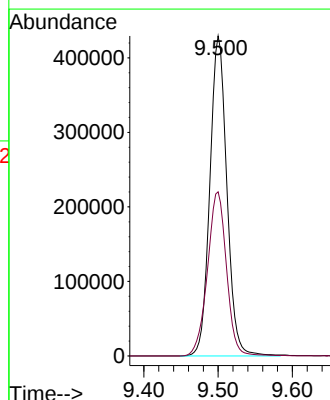
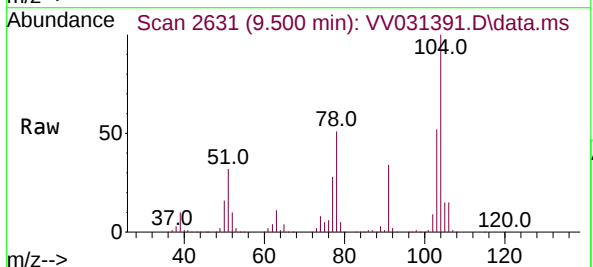
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

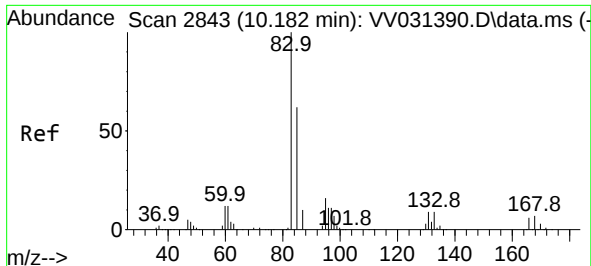
Tgt Ion:106 Resp: 368805
Ion Ratio Lower Upper
106 100
91 231.0 163.8 304.2



#55
Styrene
Concen: 111.510 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion:104 Resp: 682265
Ion Ratio Lower Upper
104 100
78 51.3 35.9 66.7

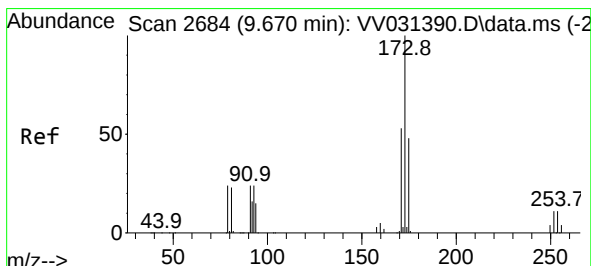
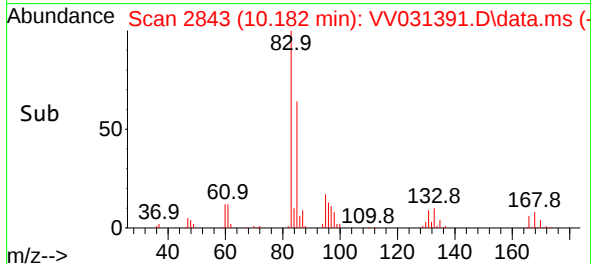
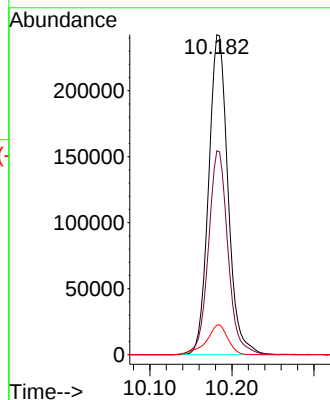
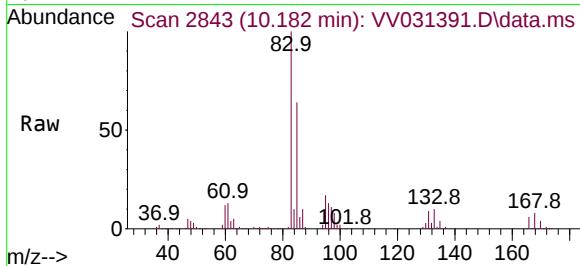




#57
1,1,2,2-Tetrachloroethane
Concen: 104.946 ug/L
RT: 10.182 min Scan# 2843
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

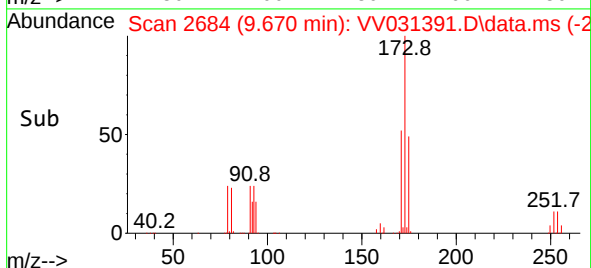
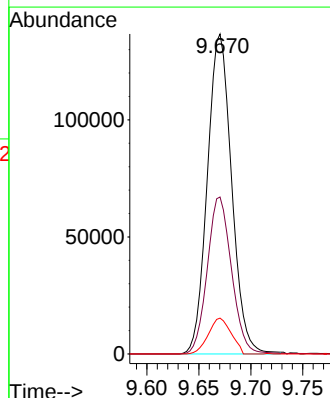
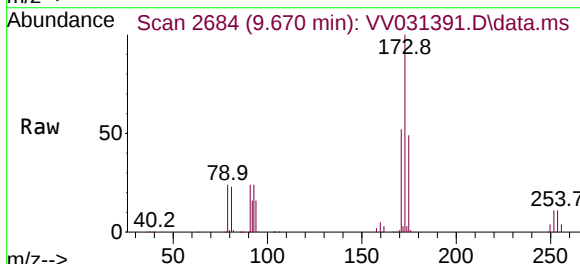
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

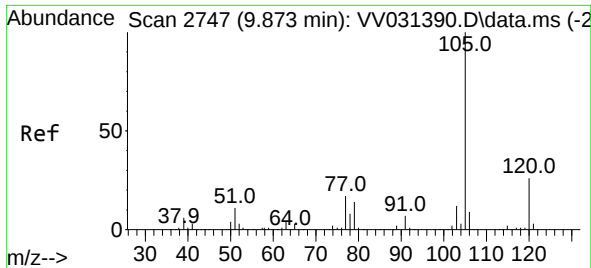
Tgt Ion: 83 Resp: 396646
Ion Ratio Lower Upper
83 100
85 63.7 43.7 81.1
131 9.2 7.3 10.9



#59
Bromoform
Concen: 96.423 ug/L
RT: 9.670 min Scan# 2684
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 173 Resp: 222096
Ion Ratio Lower Upper
173 100
175 48.9 38.8 58.2
254 10.5 8.7 13.1

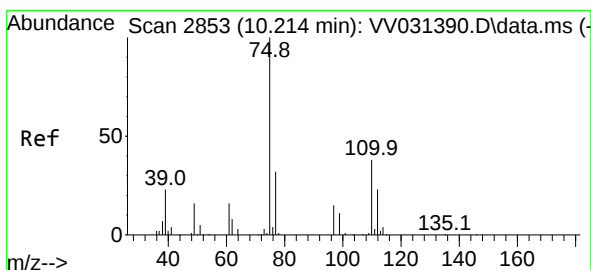
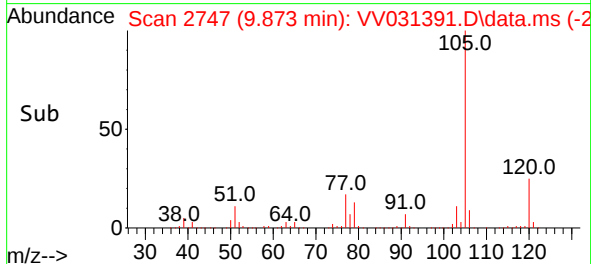
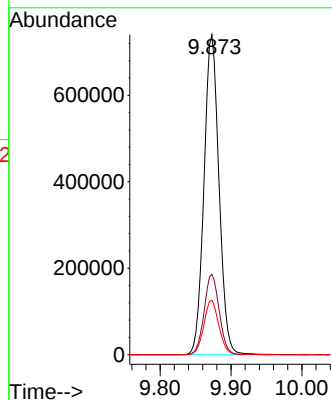
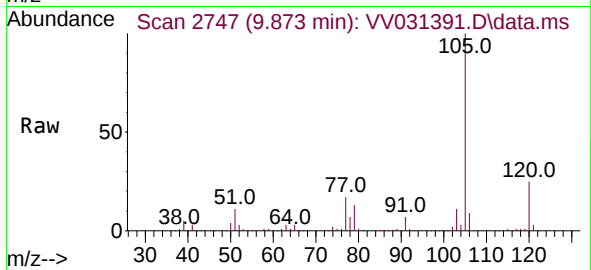




#60
Isopropylbenzene
Concen: 105.757 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

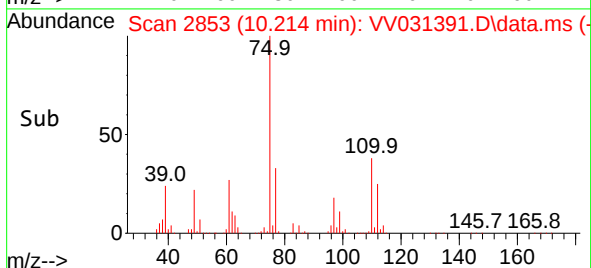
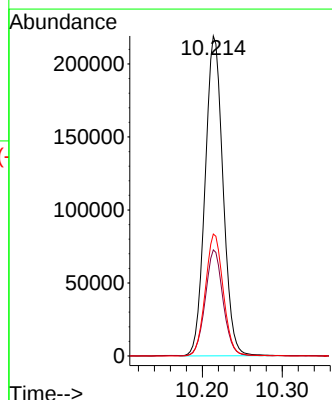
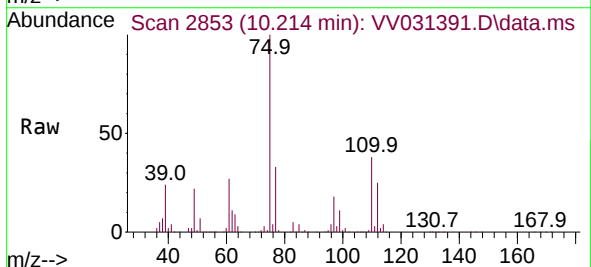
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

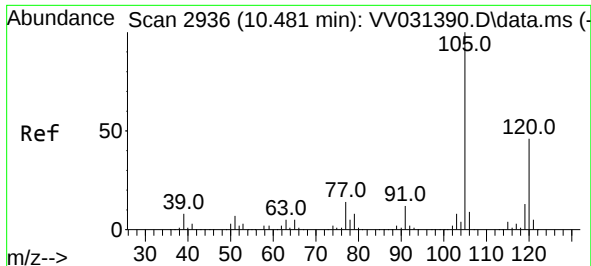
Tgt Ion:105 Resp: 1086335
Ion Ratio Lower Upper
105 100
120 25.3 20.6 30.8
77 17.1 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 93.838 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion: 75 Resp: 341480
Ion Ratio Lower Upper
75 100
77 32.9 25.6 38.4
110 38.1 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 109.256 ug/L

RT: 10.481 min Scan# 2936

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

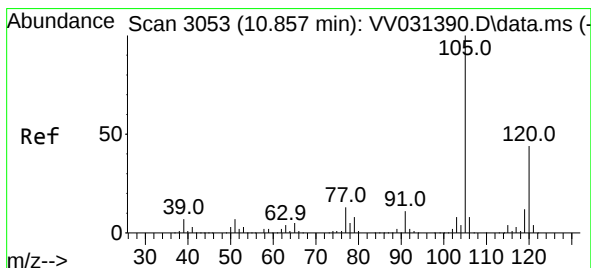
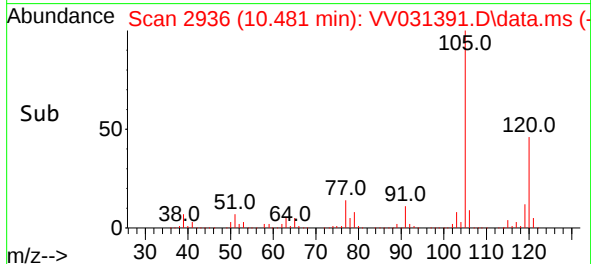
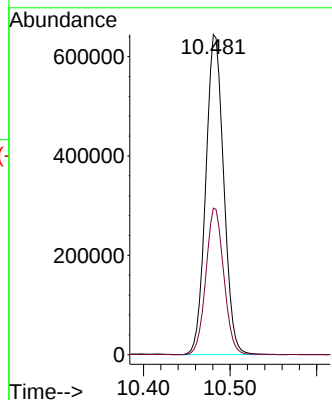
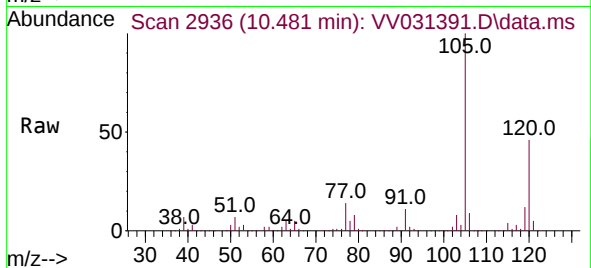
VSTD100230

Tgt Ion:105 Resp: 926858

Ion Ratio Lower Upper

105 100

120 45.8 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 109.437 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031391.D

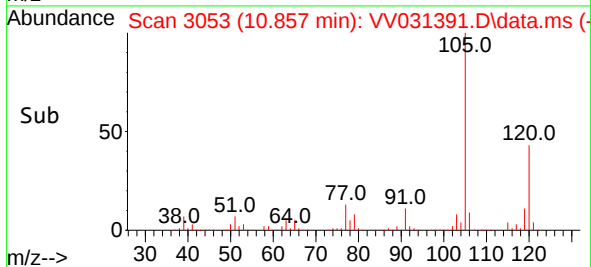
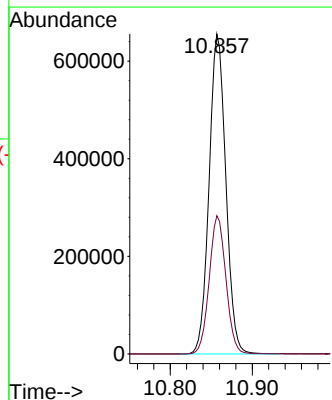
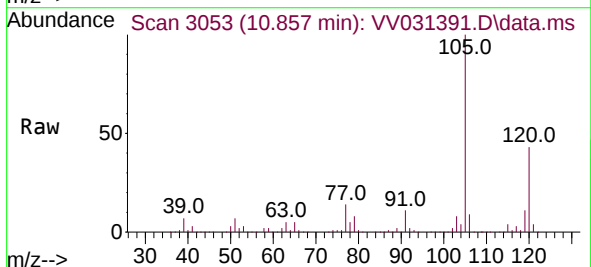
Acq: 07 Jun 2023 11:37

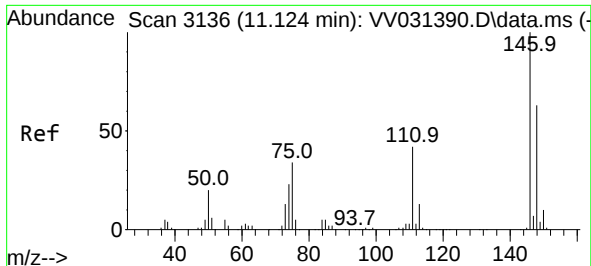
Tgt Ion:105 Resp: 929284

Ion Ratio Lower Upper

105 100

120 43.1 35.0 52.4

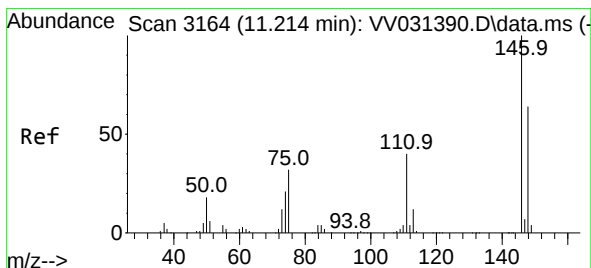
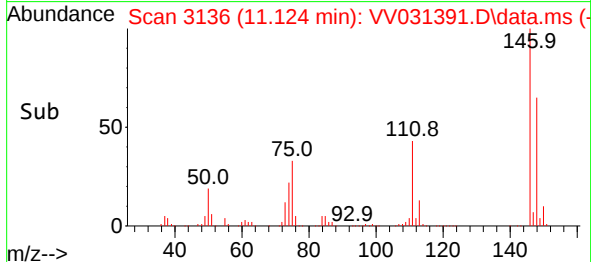
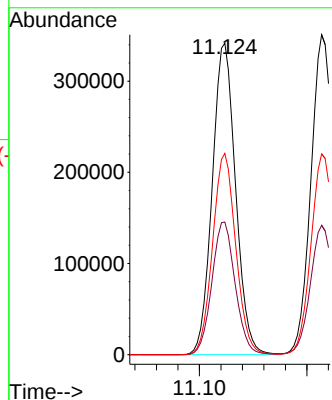
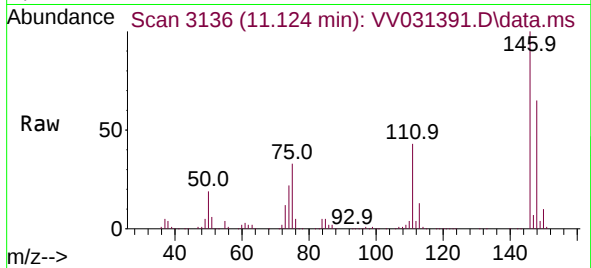




#64
1,3-Dichlorobenzene
Concen: 97.937 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

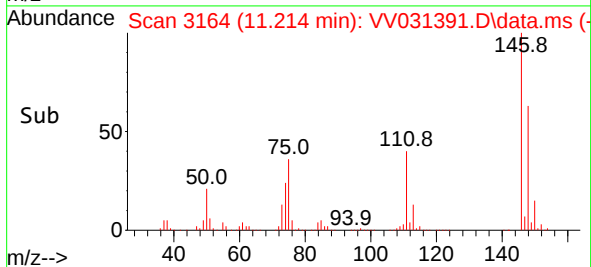
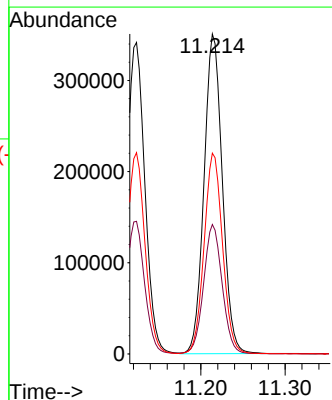
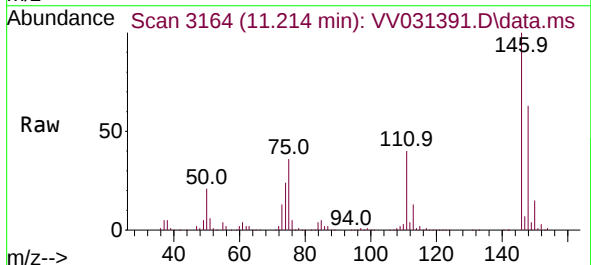
Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

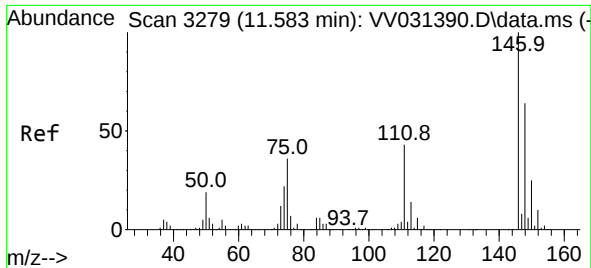
Tgt Ion:146 Resp: 514933
Ion Ratio Lower Upper
146 100
111 42.5 29.3 54.5
148 64.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 95.351 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion:146 Resp: 530275
Ion Ratio Lower Upper
146 100
111 40.4 28.1 52.3
148 62.8 45.1 83.7

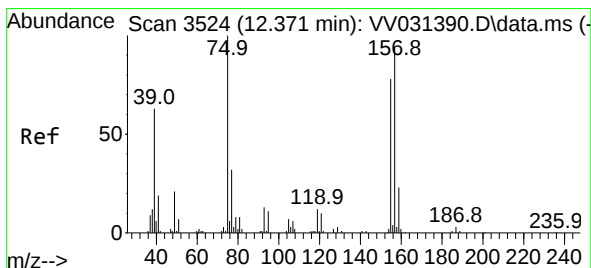
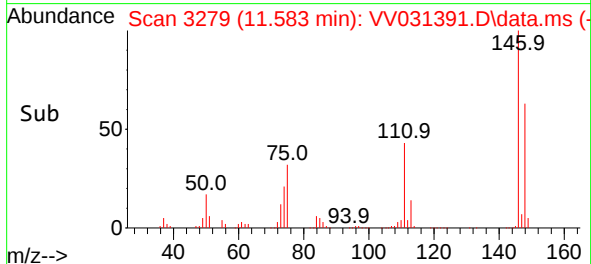
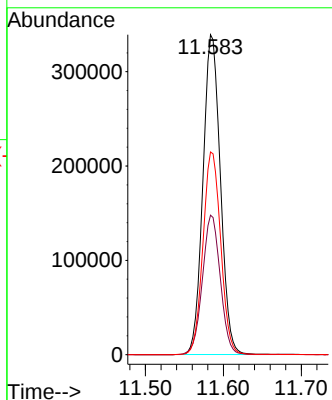
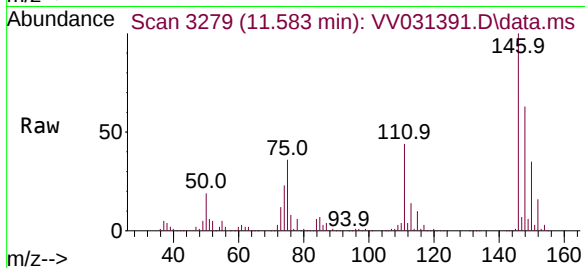




#67
 1,2-Dichlorobenzene
 Concen: 97.844 ug/L
 RT: 11.583 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV031391.D
 Acq: 07 Jun 2023 11:37

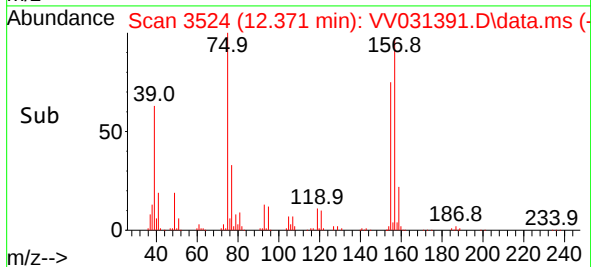
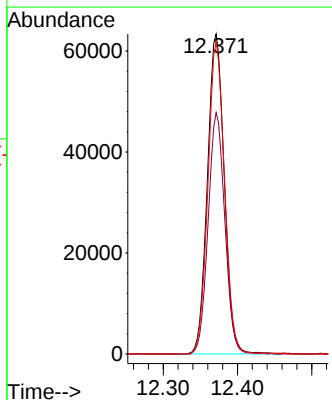
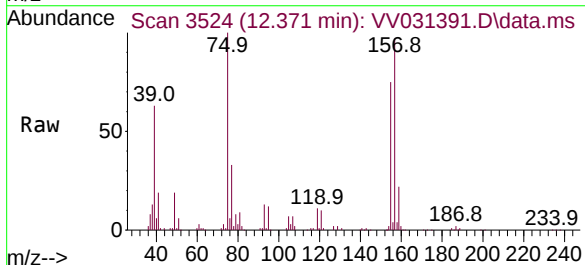
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD100230

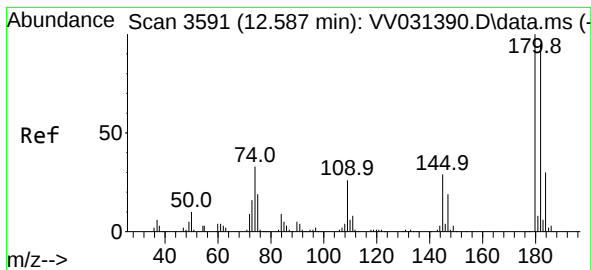
Tgt Ion:146 Resp: 527368
 Ion Ratio Lower Upper
 146 100
 111 43.6 34.5 51.7
 148 63.3 51.5 77.3



#68
 1,2-Dibromo-3-chloropropane
 Concen: 103.382 ug/L
 RT: 12.371 min Scan# 3524
 Delta R.T. 0.000 min
 Lab File: VV031391.D
 Acq: 07 Jun 2023 11:37

Tgt Ion: 75 Resp: 99717
 Ion Ratio Lower Upper
 75 100
 155 75.4 62.1 93.1
 157 97.5 74.9 112.3





#69

1,3,5-Trichlorobenzene

Concen: 99.137 ug/L

RT: 12.590 min Scan# 3592

Delta R.T. 0.003 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD100230

Tgt Ion:180 Resp: 401299

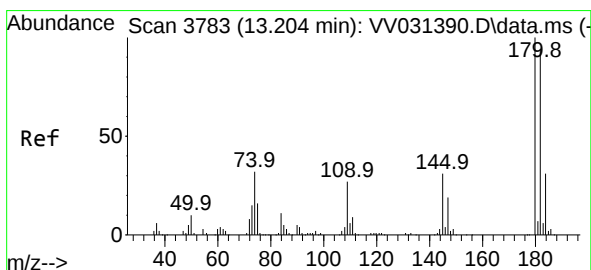
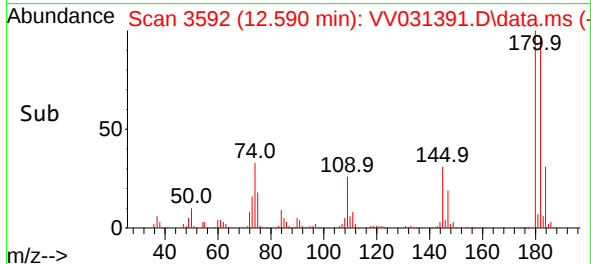
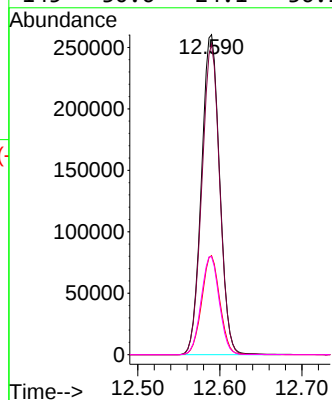
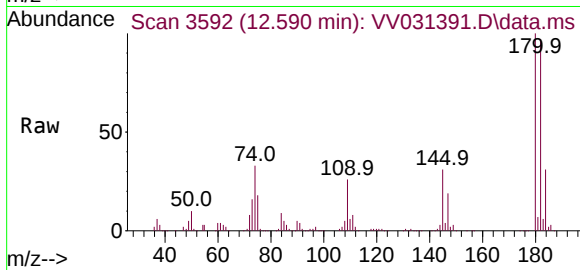
Ion Ratio Lower Upper

180 100

182 95.2 75.7 113.5

184 30.7 23.9 35.9

145 30.6 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 103.990 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.000 min

Lab File: VV031391.D

Acq: 07 Jun 2023 11:37

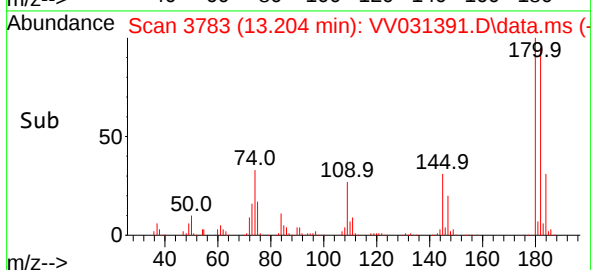
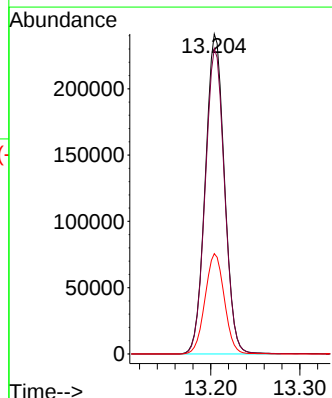
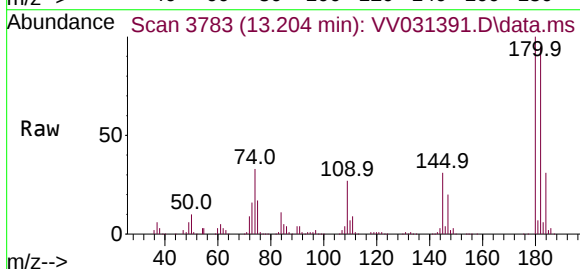
Tgt Ion:180 Resp: 359115

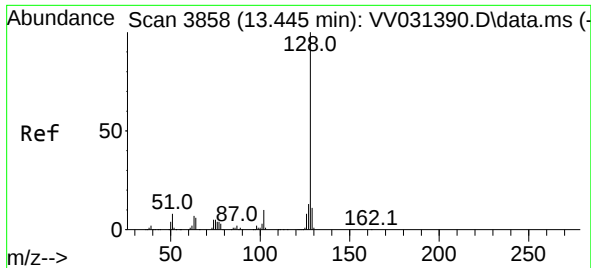
Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.6

145 31.6 24.2 36.2

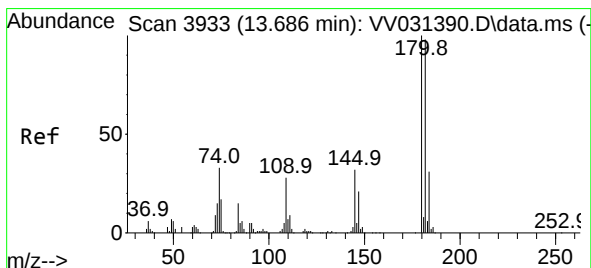
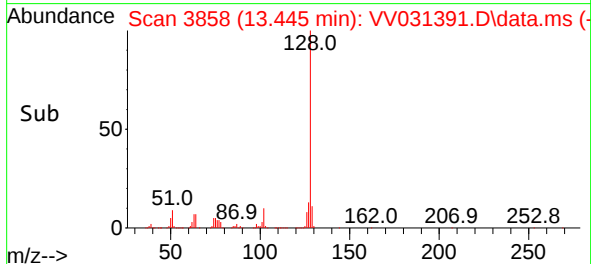
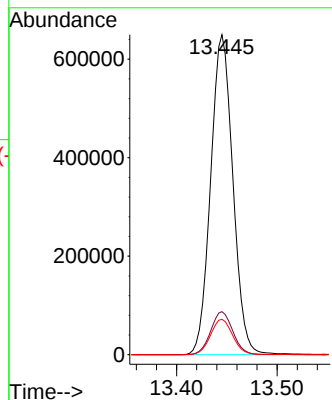
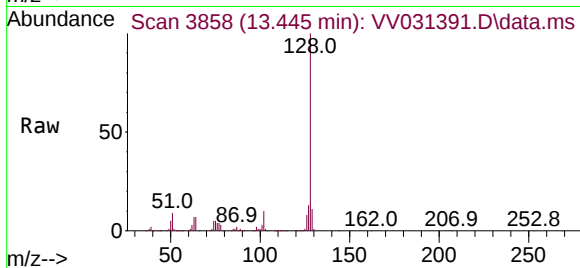




#71
Naphthalene
Concen: 105.383 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD100230

Tgt Ion:128 Resp: 997469
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 102.593 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. 0.000 min
Lab File: VV031391.D
Acq: 07 Jun 2023 11:37

Tgt Ion:180 Resp: 355119
Ion Ratio Lower Upper
180 100
182 95.5 77.4 116.2
145 32.8 25.6 38.4

