

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031411.D
 Acq On : 07 Jun 2023 20:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050360

Quant Time: Jun 08 04:27:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 04:14:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	269753	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	268429	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	161221	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	106821	45.008	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.020%		
7) Chloroethane-d5	1.532	69	88821	46.225	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.440%		
11) 1,1-Dichloroethene-d2	2.060	65	51302	45.608	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.220%		
21) 2-Butanone-d5	3.796	46	159509	92.996	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.000%		
24) Chloroform-d	4.259	84	217094	48.087	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.180%		
26) 1,2-Dichloroethane-d4	4.950	65	144891	47.841	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.680%		
32) Benzene-d6	4.966	84	380692	48.036	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.080%		
36) 1,2-Dichloropropane-d6	5.995	67	131802	47.846	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.700%		
41) Toluene-d8	7.249	98	367680	50.504	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.000%		
43) trans-1,3-Dichloroprop...	7.558	79	64443	46.442	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.880%		
47) 2-Hexanone-d5	8.030	63	103887	100.130	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.130%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	167947	48.310	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.620%		
66) 1,2-Dichlorobenzene-d4	11.567	152	139979	46.804	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	52728	48.743	ug/L	99
3) Chloromethane	1.217	50	40293	45.899	ug/L	98
5) Vinyl chloride	1.282	62	49156	46.933	ug/L	97
6) Bromomethane	1.487	94	30559	48.545	ug/L	100
8) Chloroethane	1.548	64	38955	46.163	ug/L	96
9) Trichlorofluoromethane	1.716	101	123237	48.748	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	78878	48.247	ug/L	100
12) 1,1-Dichloroethene	2.072	96	49971	46.435	ug/L	95
13) Acetone	2.118	43	114218	74.437	ug/L	98
14) Carbon disulfide	2.243	76	38795	42.145	ug/L	98
15) Methyl Acetate	2.378	43	111181	47.984	ug/L	98
16) Methylene chloride	2.452	84	77139	47.486	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	47318	46.376	ug/L	97
18) Methyl tert-butyl Ether	2.709	73	290722	46.356	ug/L	99
19) 1,1-Dichloroethane	3.117	63	170998	48.451	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	79048	47.653	ug/L	98
22) 2-Butanone	3.876	43	164806	87.389	ug/L	99
23) Bromochloromethane	4.156	128	43193	49.515	ug/L	97
25) Chloroform	4.281	83	190865	48.497	ug/L	100

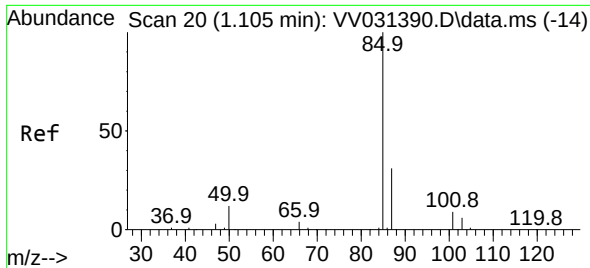
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	146039	50.818	ug/L	98
29) Cyclohexane	4.590	56	65740	45.727	ug/L	99
30) 1,1,1-Trichloroethane	4.523	97	153925	48.580	ug/L	99
31) Carbon tetrachloride	4.741	117	128784	48.928	ug/L	99
33) Benzene	5.018	78	299669	50.595	ug/L	100
34) Trichloroethene	5.838	95	91424	48.994	ug/L	97
35) Methylcyclohexane	6.056	83	69479	43.535	ug/L	98
37) 1,2-Dichloropropane	6.098	63	106892	50.140	ug/L	99
38) Bromodichloromethane	6.439	83	151313	48.494	ug/L	95
39) cis-1,3-Dichloropropene	6.960	75	153869	48.309	ug/L	98
40) 4-Methyl-2-pentanone	7.166	43	355706	102.712	ug/L	99
42) Toluene	7.320	91	337784	50.952	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	161166	49.888	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	109977	49.908	ug/L	100
46) Tetrachloroethene	7.911	164	58780	48.522	ug/L	99
48) 2-Hexanone	8.082	43	282310	104.144	ug/L	98
49) Dibromochloromethane	8.182	129	119443	49.690	ug/L	99
50) 1,2-Dibromoethane	8.288	107	107004	50.439	ug/L	99
51) Chlorobenzene	8.818	112	247685	49.136	ug/L	99
52) Ethylbenzene	8.953	91	405271	49.120	ug/L	99
53) m,p-Xylene	9.079	106	151981	51.116	ug/L	100
54) o-Xylene	9.484	106	151429	50.487	ug/L	96
55) Styrene	9.500	104	291383	53.286	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.185	83	168316	49.829	ug/L	100
59) Bromoform	9.670	173	96592	46.758	ug/L	99
60) Isopropylbenzene	9.873	105	443827	48.176	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	158205	48.474	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	371992	48.893	ug/L	100
63) 1,2,4-Trimethylbenzene	10.857	105	373517	49.046	ug/L	99
64) 1,3-Dichlorobenzene	11.124	146	229273	48.621	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	235461	47.209	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	235702	48.760	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.371	75	42651	49.304	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	168992	46.549	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	145559	46.997	ug/L	99
71) Naphthalene	13.445	128	370209	43.611	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	150713	48.548	ug/L	99

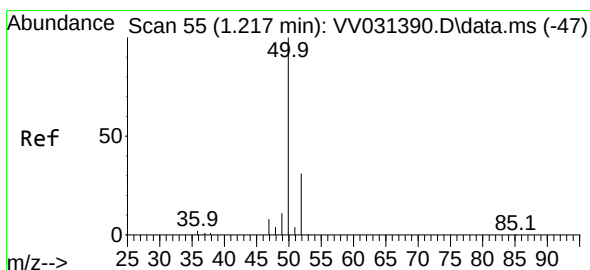
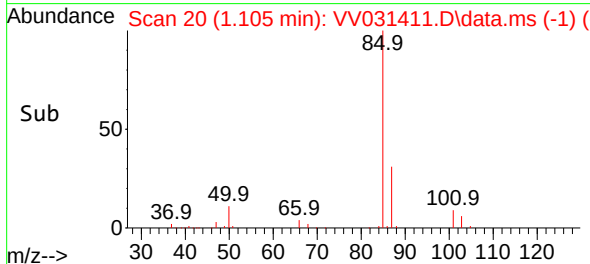
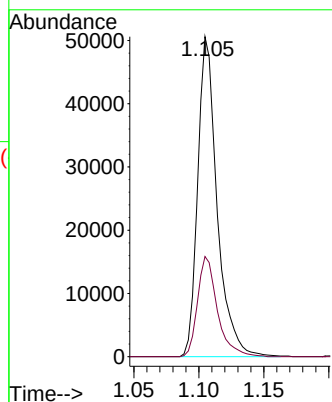
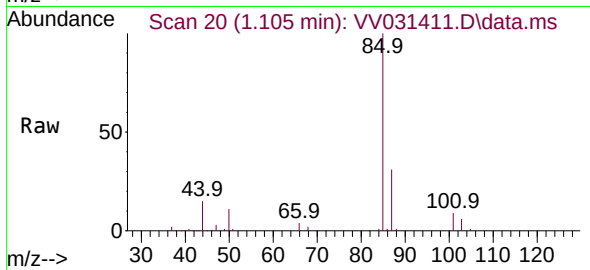
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#2
 Dichlorodifluoromethane
 Concen: 48.743 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VV031411.D
 Acq: 07 Jun 2023 20:19

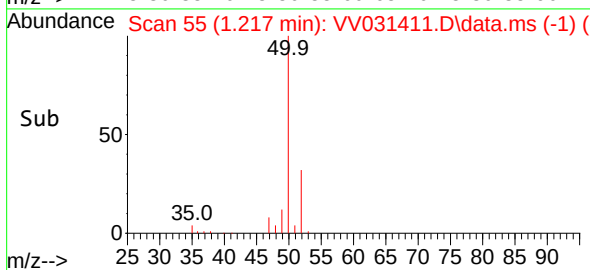
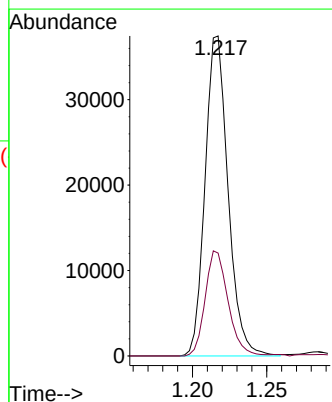
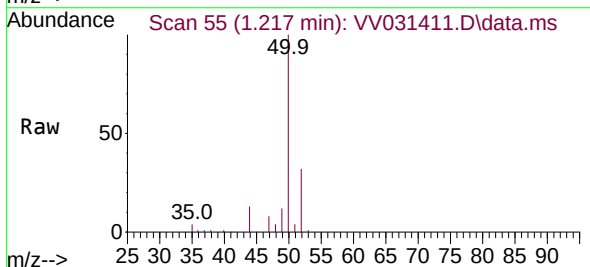
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050360

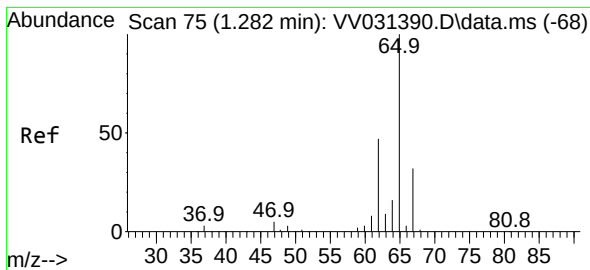
Tgt Ion: 85 Resp: 52728
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.0 37.6



#3
 Chloromethane
 Concen: 45.899 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031411.D
 Acq: 07 Jun 2023 20:19

Tgt Ion: 50 Resp: 40293
 Ion Ratio Lower Upper
 50 100
 52 32.2 21.9 40.7





#5

Vinyl chloride

Concen: 46.933 ug/L

RT: 1.282 min Scan# 75

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

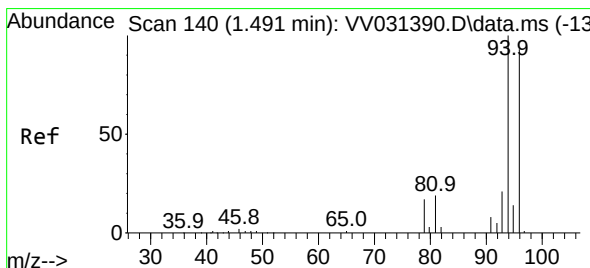
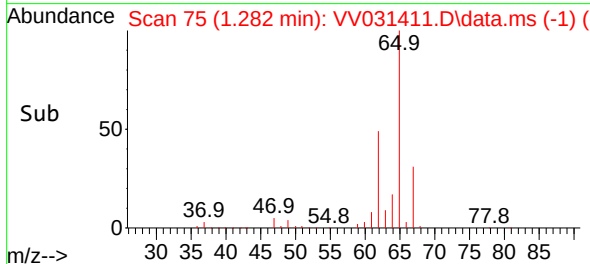
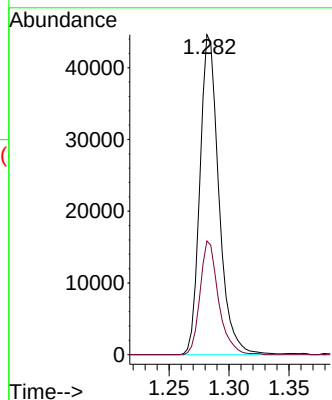
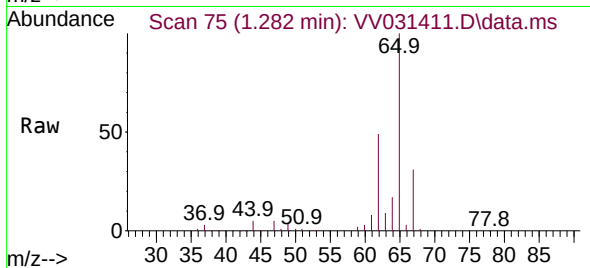
VSTD050360

Tgt Ion: 62 Resp: 49156

Ion Ratio Lower Upper

62 100

64 35.6 23.7 43.9



#6

Bromomethane

Concen: 48.545 ug/L

RT: 1.487 min Scan# 139

Delta R.T. -0.003 min

Lab File: VV031411.D

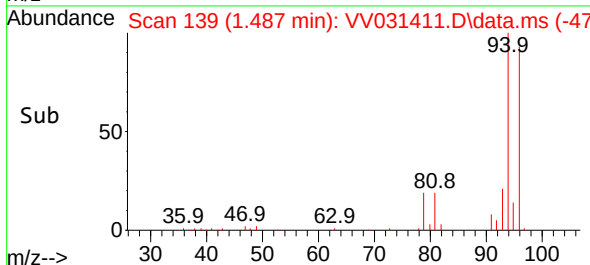
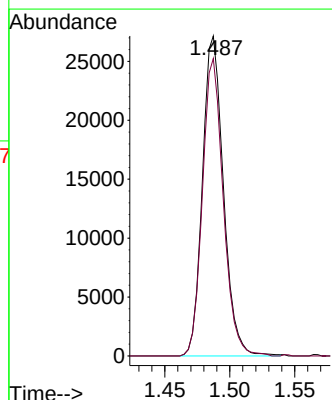
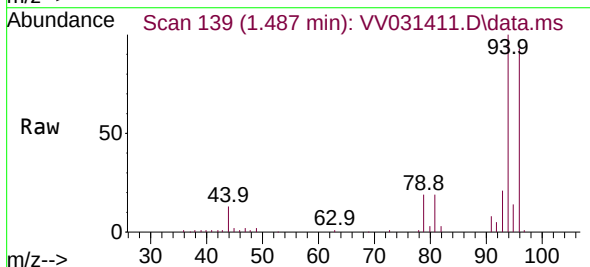
Acq: 07 Jun 2023 20:19

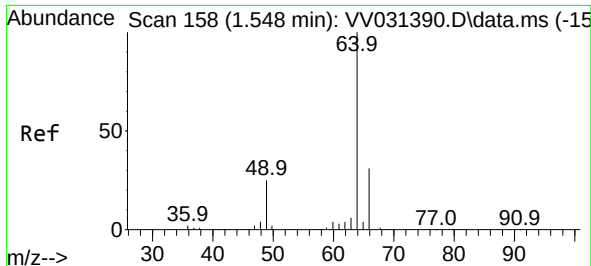
Tgt Ion: 94 Resp: 30559

Ion Ratio Lower Upper

94 100

96 92.9 65.4 121.4





#8

Chloroethane

Concen: 46.163 ug/L

RT: 1.548 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

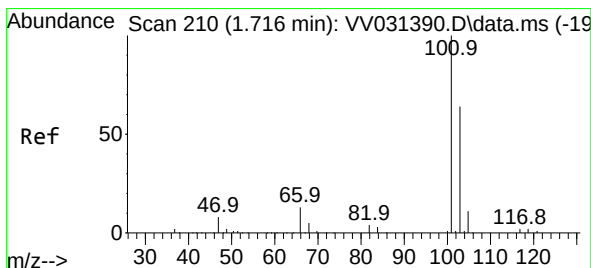
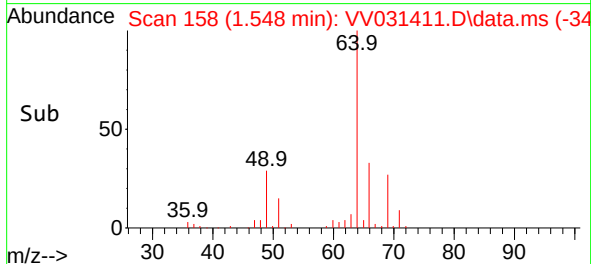
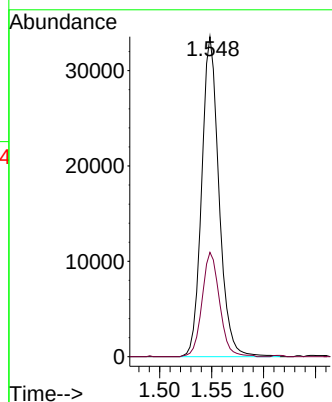
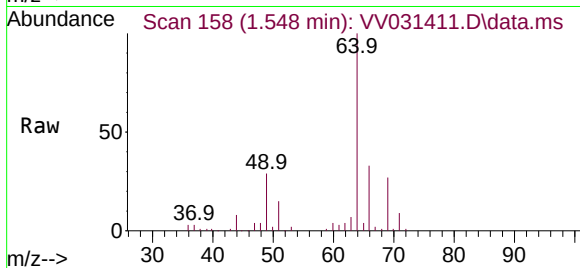
VSTD050360

Tgt Ion: 64 Resp: 38955

Ion Ratio Lower Upper

64 100

66 32.6 21.4 39.8



#9

Trichlorofluoromethane

Concen: 48.748 ug/L

RT: 1.716 min Scan# 210

Delta R.T. -0.000 min

Lab File: VV031411.D

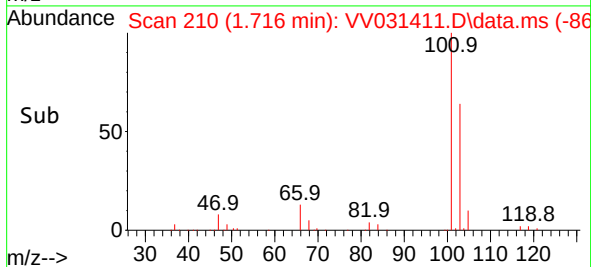
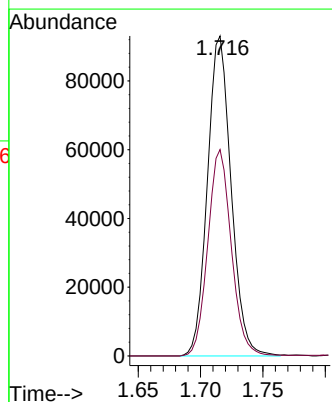
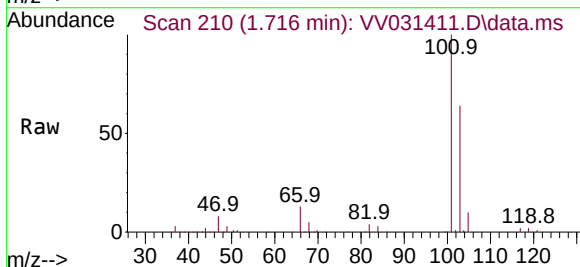
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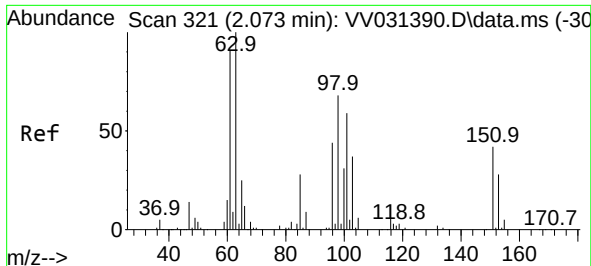
Tgt Ion:101 Resp: 123237

Ion Ratio Lower Upper

101 100

103 64.0 51.8 77.6





#10

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

Concen: 48.247 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

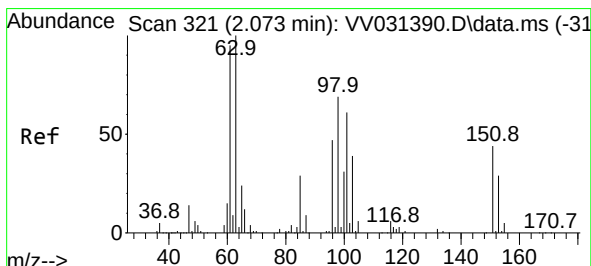
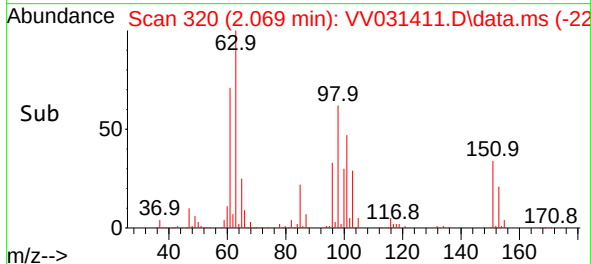
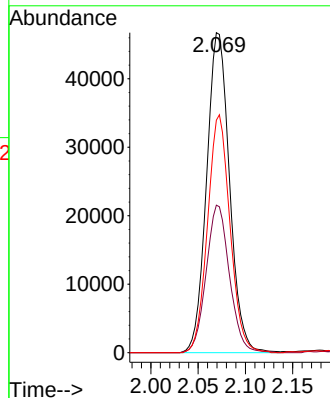
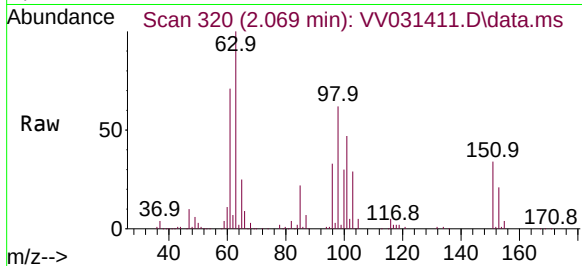
Tgt Ion:101 Resp: 78878

Ion Ratio Lower Upper

101 100

85 46.8 37.3 55.9

151 72.7 57.8 86.6



#12

1,1-Dichloroethene

Concen: 46.435 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

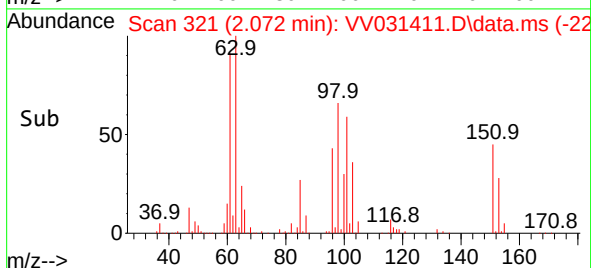
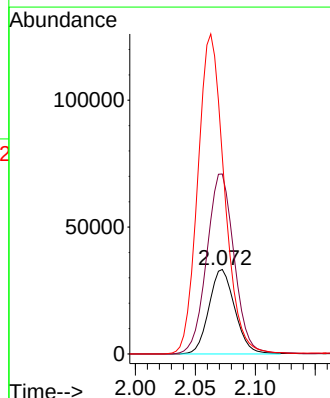
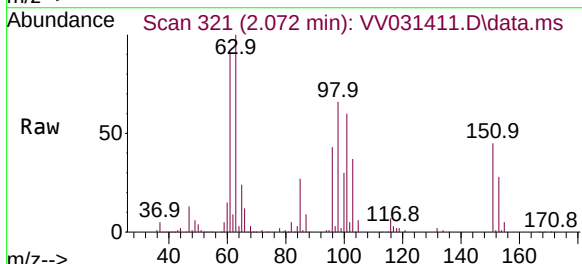
Tgt Ion: 96 Resp: 49971

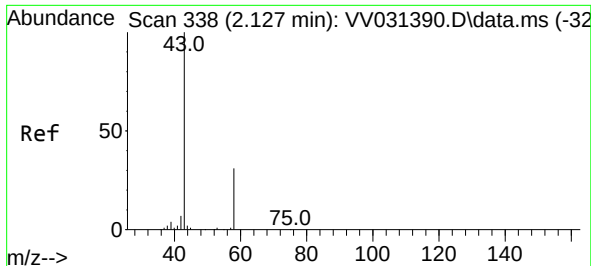
Ion Ratio Lower Upper

96 100

61 213.0 143.9 267.3

63 234.2 158.3 293.9





#13

Acetone

Concen: 74.437 ug/L

RT: 2.118 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

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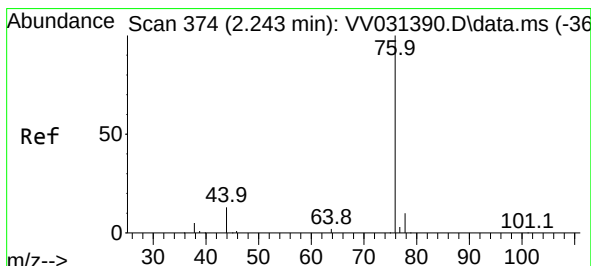
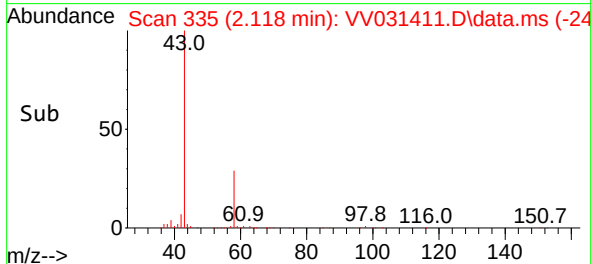
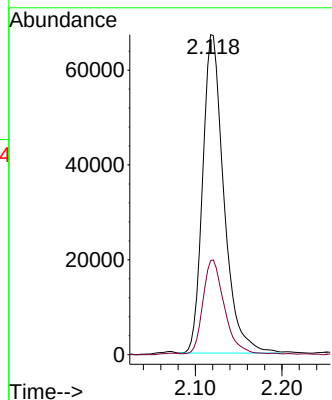
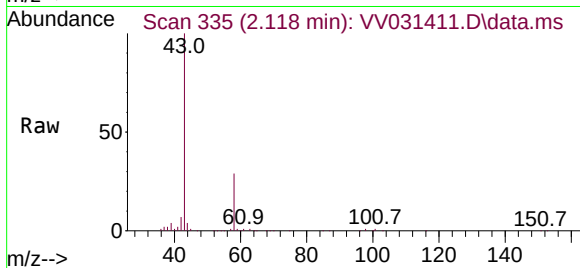
VSTD050360

Tgt Ion: 43 Resp: 114218

Ion Ratio Lower Upper

43 100

58 29.6 0.0 61.0



#14

Carbon disulfide

Concen: 42.145 ug/L

RT: 2.243 min Scan# 374

Delta R.T. -0.000 min

Lab File: VV031411.D

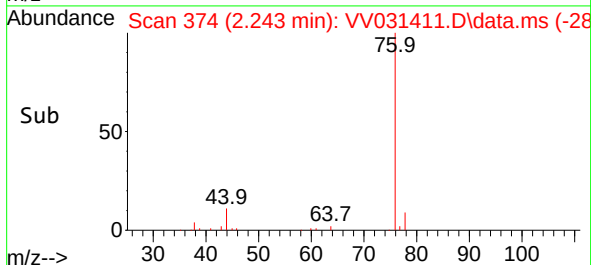
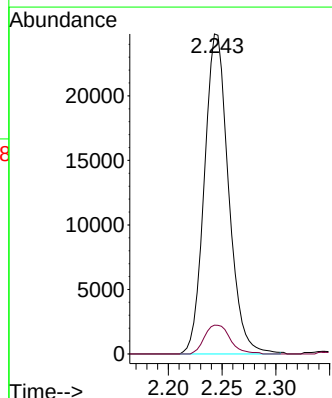
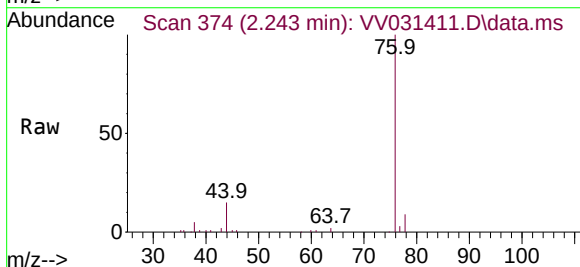
Acq: 07 Jun 2023 20:19

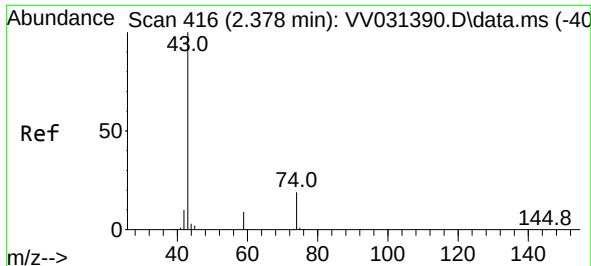
Tgt Ion: 76 Resp: 38795

Ion Ratio Lower Upper

76 100

78 9.0 7.9 11.9

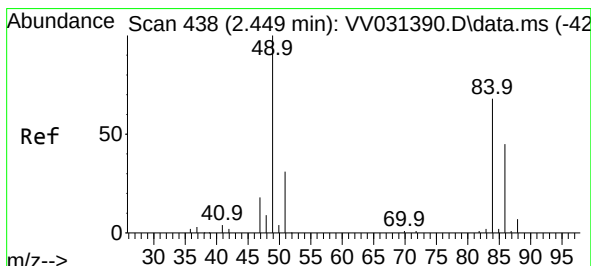
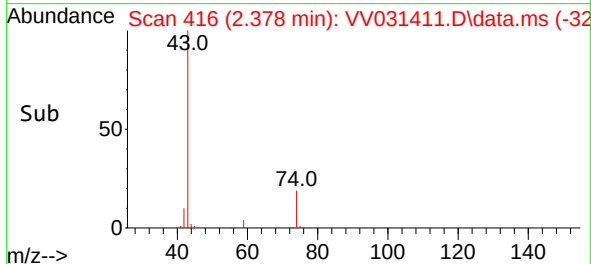
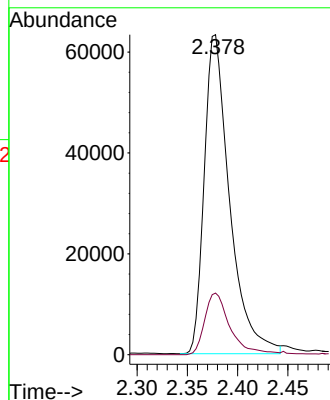
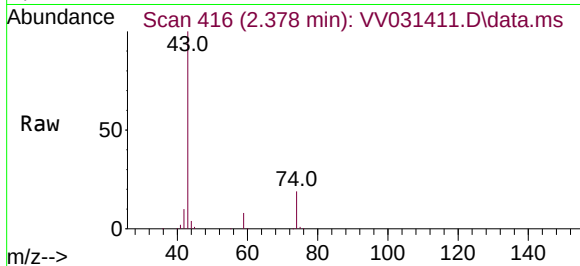




#15
Methyl Acetate
Concen: 47.984 ug/L
RT: 2.378 min Scan# 416
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

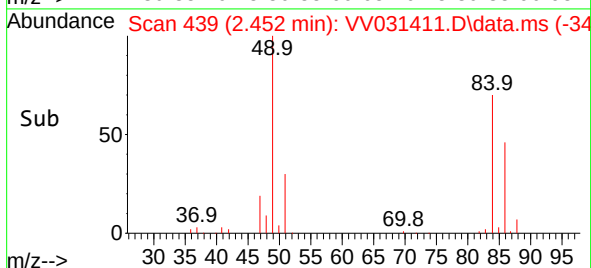
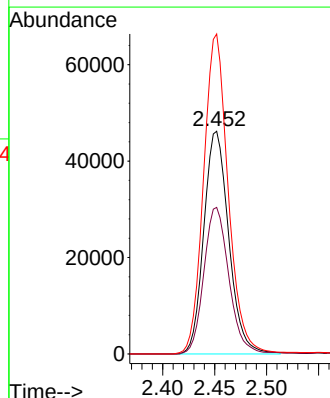
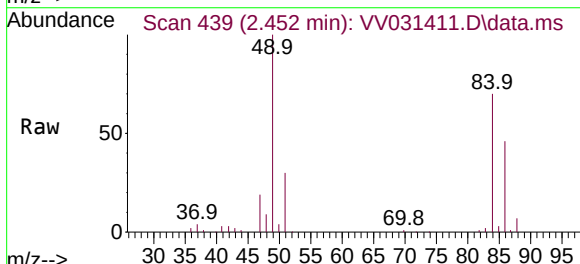
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

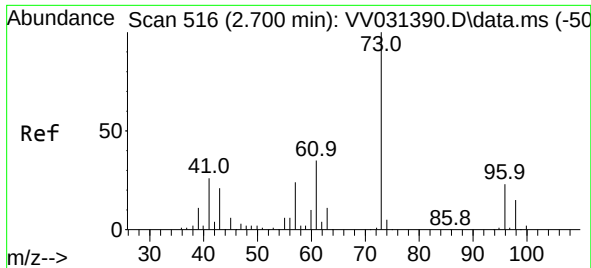
Tgt Ion: 43 Resp: 111181
Ion Ratio Lower Upper
43 100
74 19.3 16.0 24.0



#16
Methylene chloride
Concen: 47.486 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.003 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion: 84 Resp: 77139
Ion Ratio Lower Upper
84 100
86 65.8 46.1 85.5
49 143.7 102.7 190.7

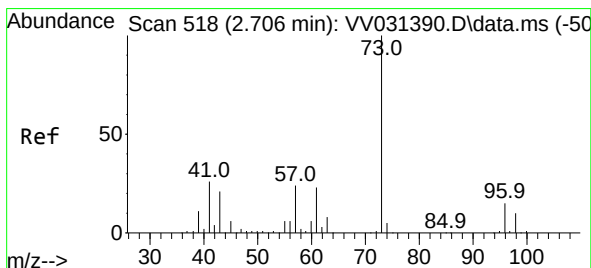
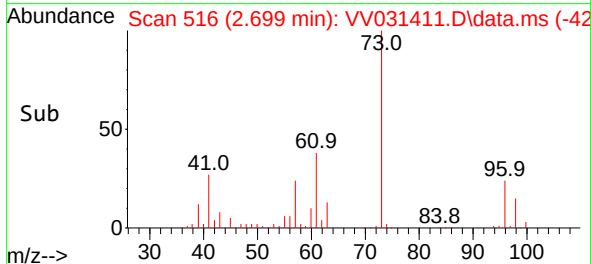
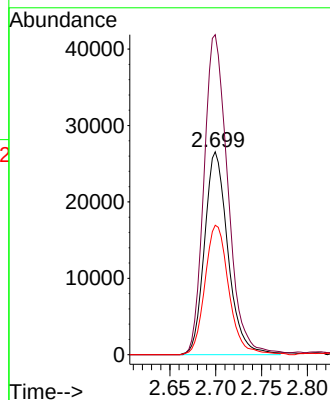
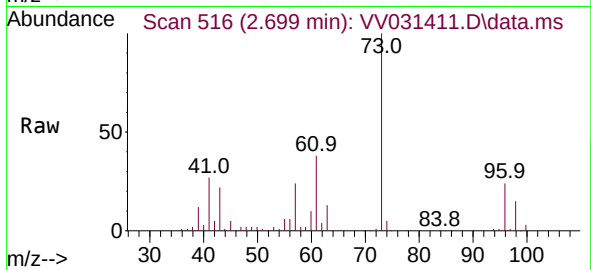




#17
trans-1,2-Dichloroethene
Concen: 46.376 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

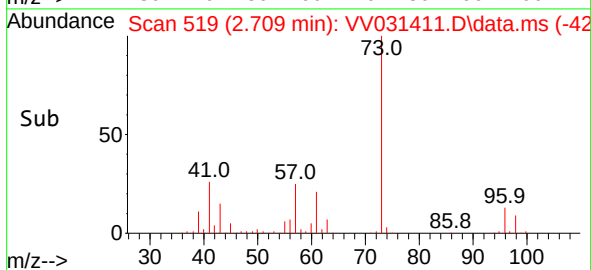
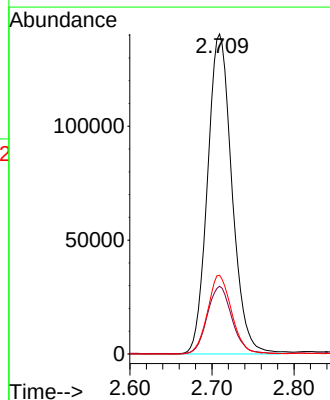
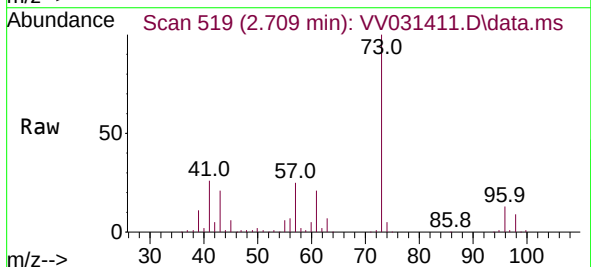
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

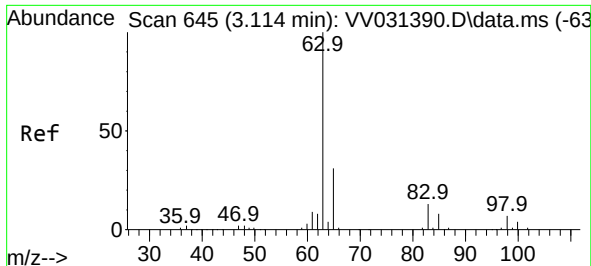
Tgt Ion: 96 Resp: 47318
Ion Ratio Lower Upper
96 100
61 157.8 106.9 198.5
98 63.8 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 46.356 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion: 73 Resp: 290722
Ion Ratio Lower Upper
73 100
43 21.3 16.6 25.0
57 24.1 18.6 28.0





#19

1,1-Dichloroethane

Concen: 48.451 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

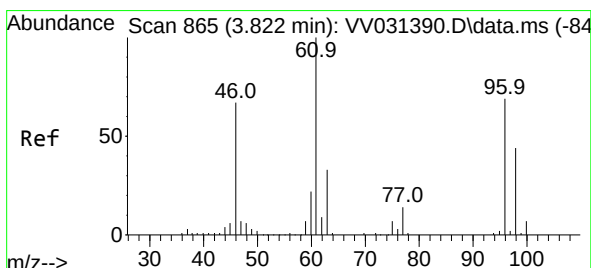
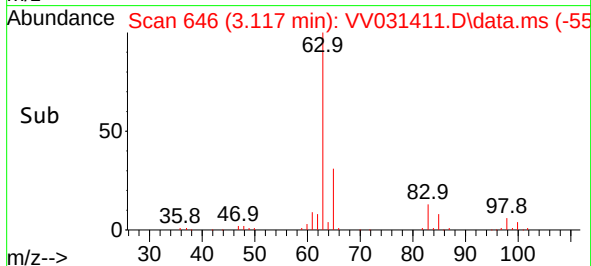
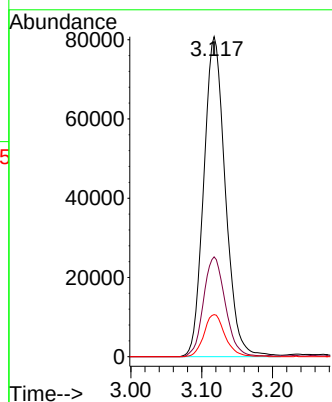
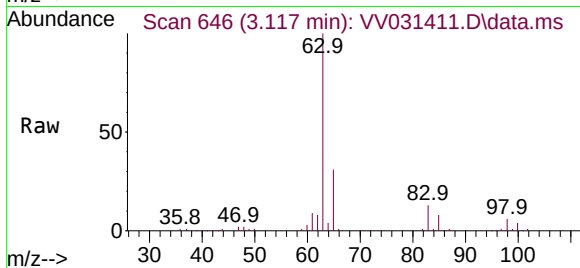
Tgt Ion: 63 Resp: 170998

Ion Ratio Lower Upper

63 100

65 31.2 21.4 39.8

83 13.2 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 47.653 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

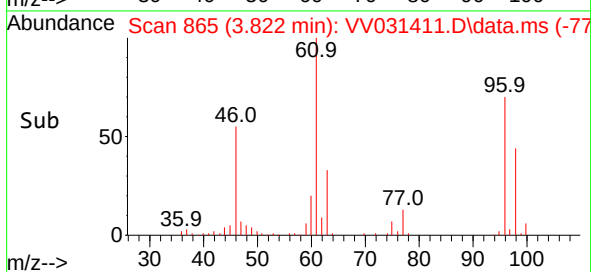
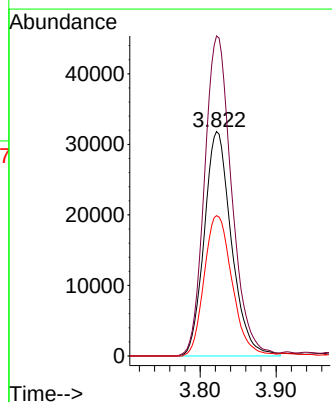
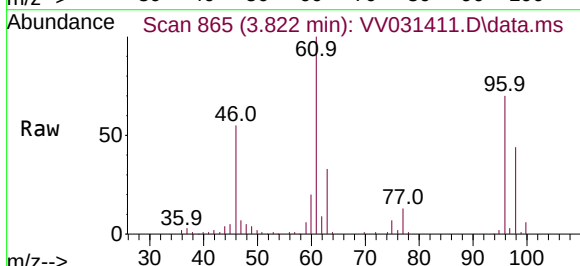
Tgt Ion: 96 Resp: 79048

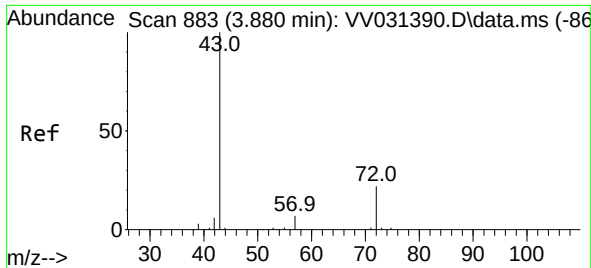
Ion Ratio Lower Upper

96 100

61 142.6 101.6 188.6

98 62.5 44.4 82.4

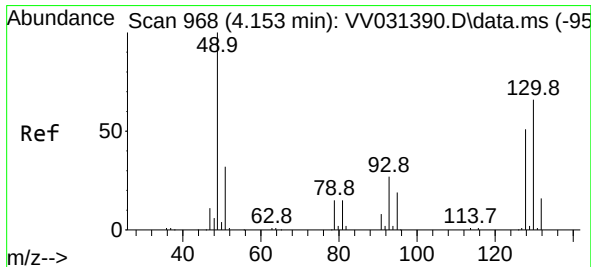
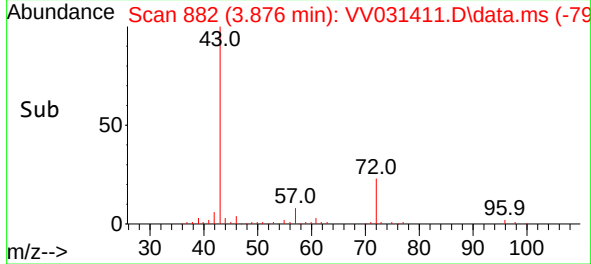
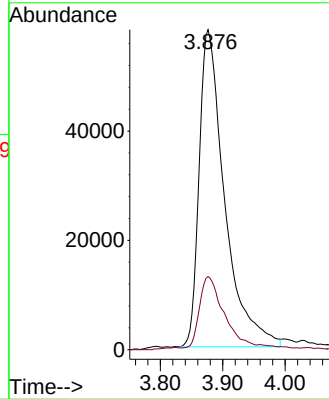
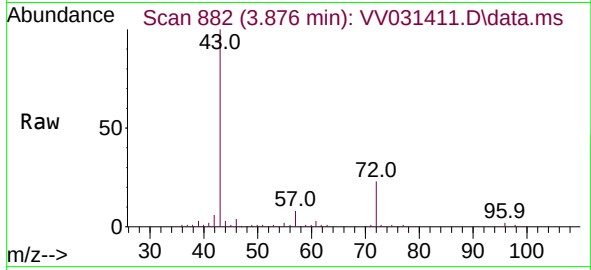




#22
2-Butanone
Concen: 87.389 ug/L
RT: 3.876 min Scan# 882
Delta R.T. -0.003 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

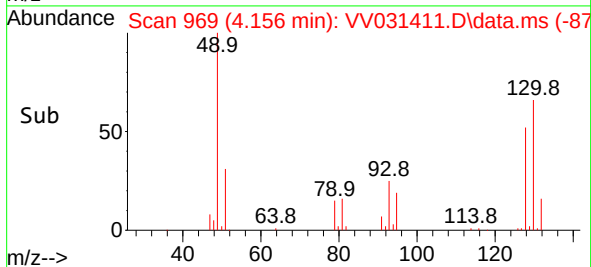
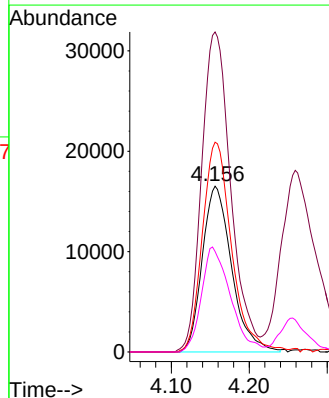
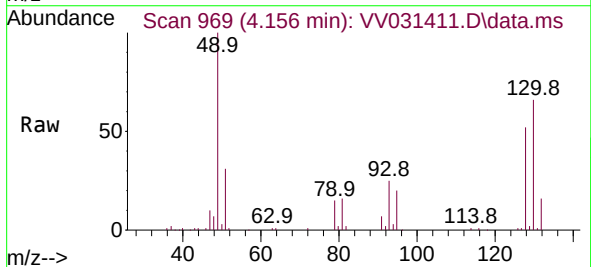
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

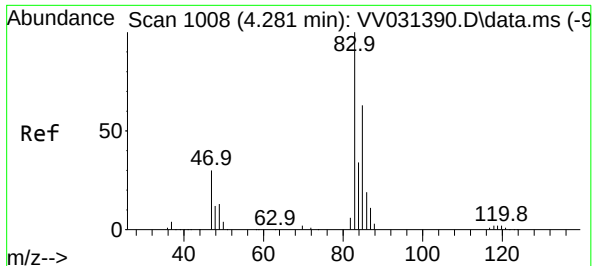
Tgt Ion: 43 Resp: 164806
Ion Ratio Lower Upper
43 100
72 21.3 10.4 31.4



#23
Bromochloromethane
Concen: 49.515 ug/L
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion: 128 Resp: 43193
Ion Ratio Lower Upper
128 100
49 193.0 138.2 256.6
130 126.5 91.4 169.8
51 60.6 51.8 77.6





#25

Chloroform

Concen: 48.497 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

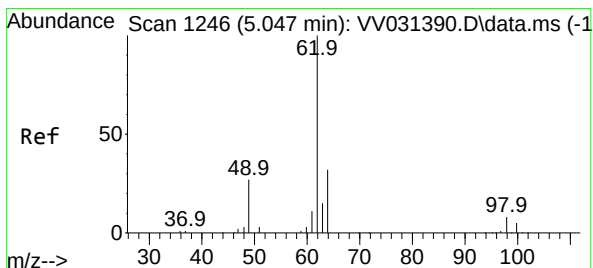
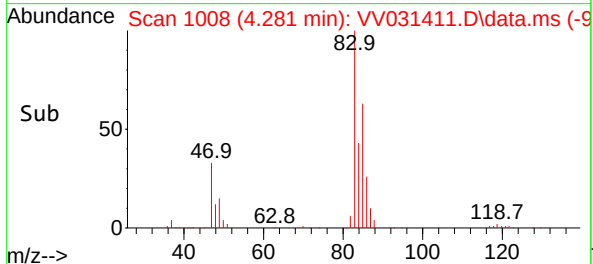
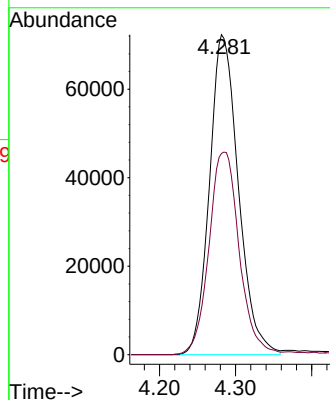
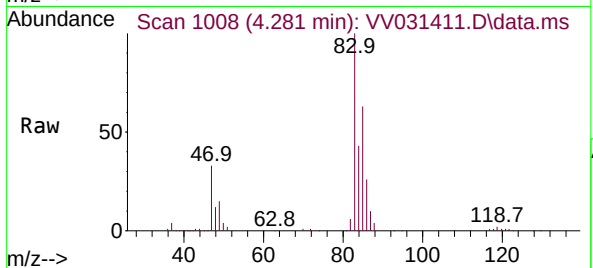
VSTD050360

Tgt Ion: 83 Resp: 190865

Ion Ratio Lower Upper

83 100

85 62.9 43.9 81.5



#27

1,2-Dichloroethane

Concen: 50.818 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VV031411.D

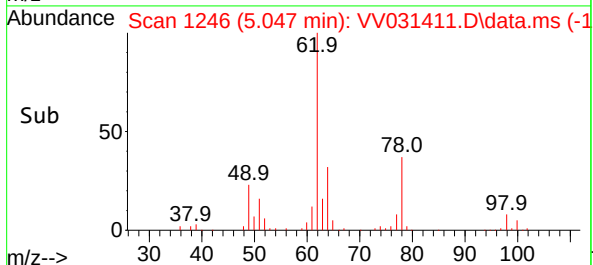
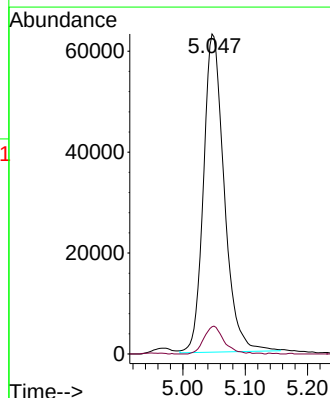
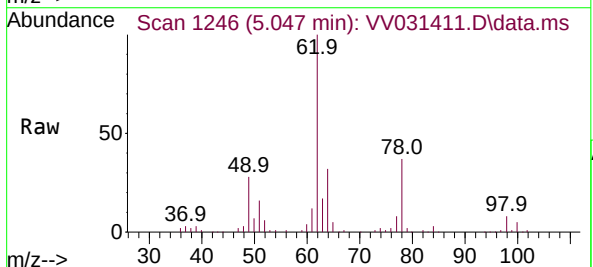
Acq: 07 Jun 2023 20:19

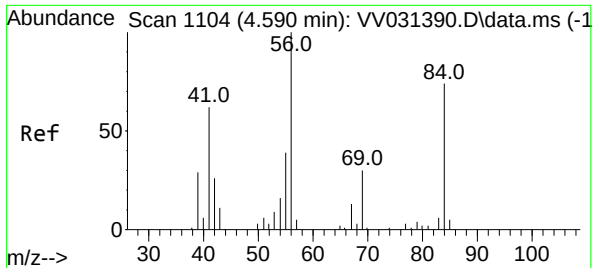
Tgt Ion: 62 Resp: 146039

Ion Ratio Lower Upper

62 100

98 8.5 6.2 9.4





#29

Cyclohexane

Concen: 45.727 ug/L

RT: 4.590 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

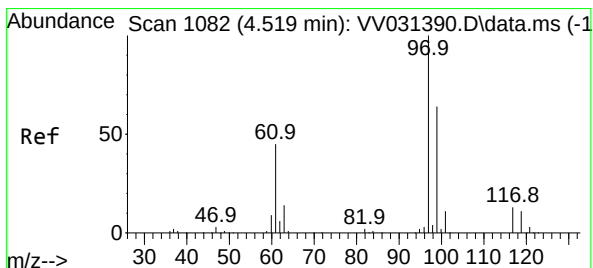
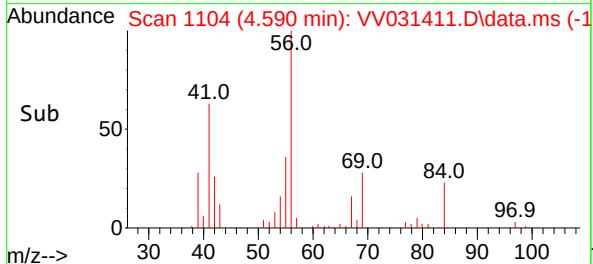
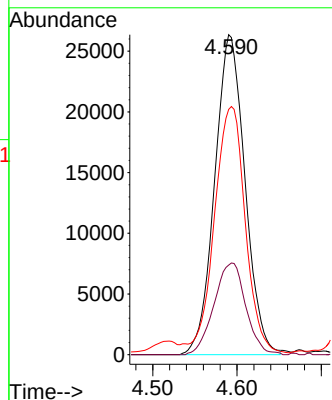
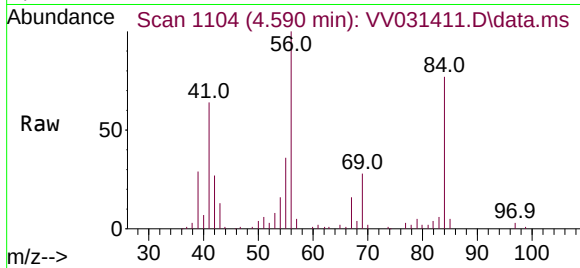
Tgt Ion: 56 Resp: 65740

Ion Ratio Lower Upper

56 100

69 30.1 23.5 35.3

84 77.9 61.3 91.9



#30

1,1,1-Trichloroethane

Concen: 48.580 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

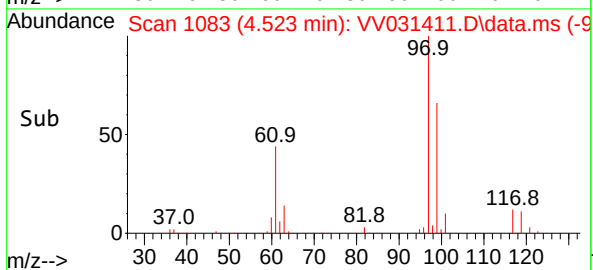
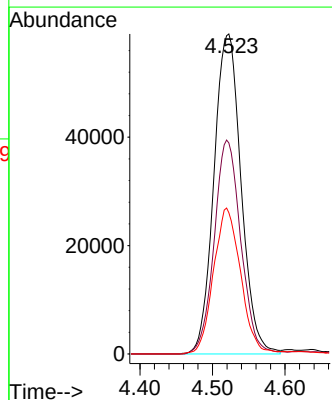
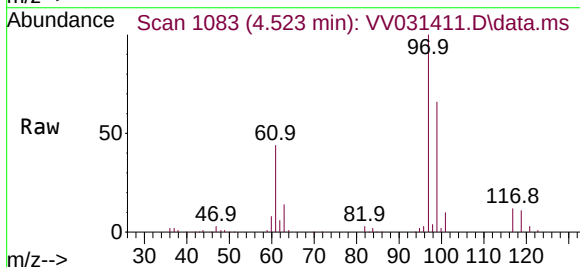
Tgt Ion: 97 Resp: 153925

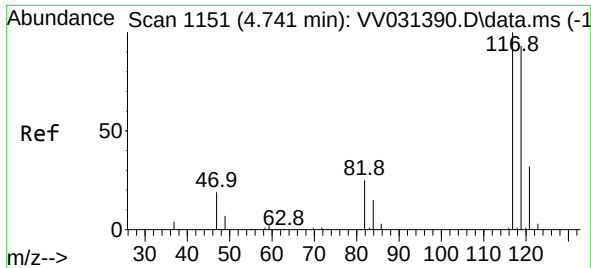
Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

61 45.7 36.1 54.1

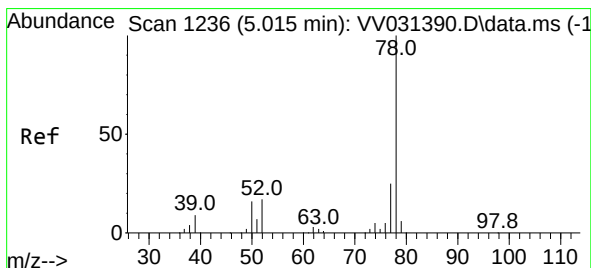
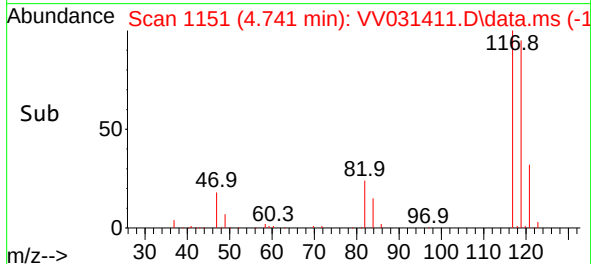
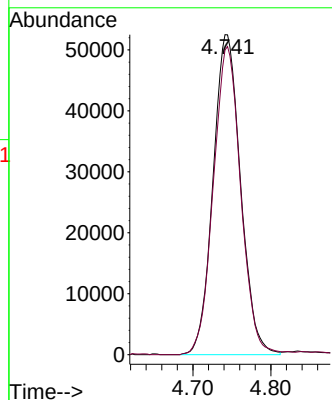
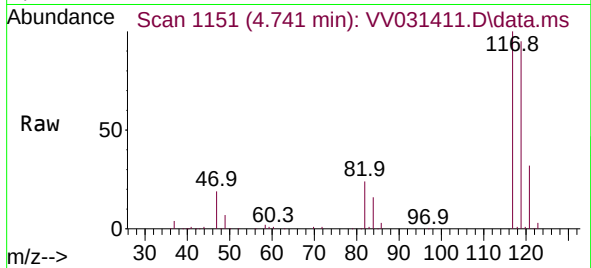




#31
Carbon tetrachloride
Concen: 48.928 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

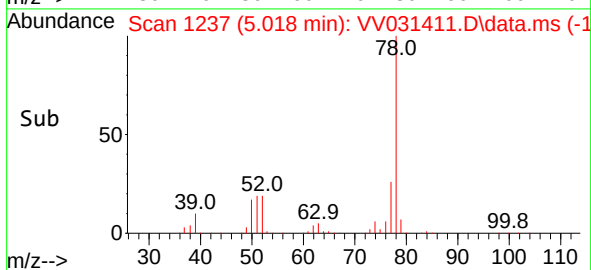
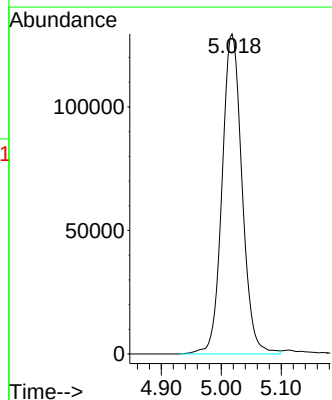
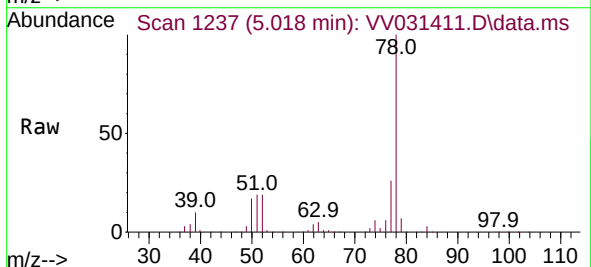
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

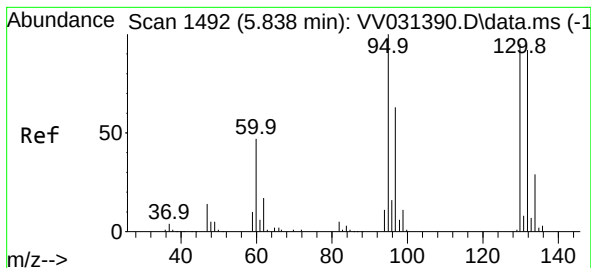
Tgt Ion:117 Resp: 128784
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.6



#33
Benzene
Concen: 50.595 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.003 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion: 78 Resp: 299669





#34

Trichloroethene

Concen: 48.994 ug/L

RT: 5.838 min Scan# 1492

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

Tgt Ion: 95 Resp: 91424

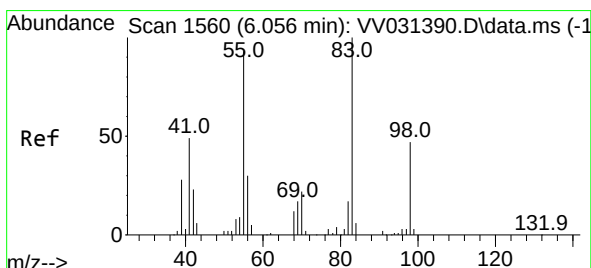
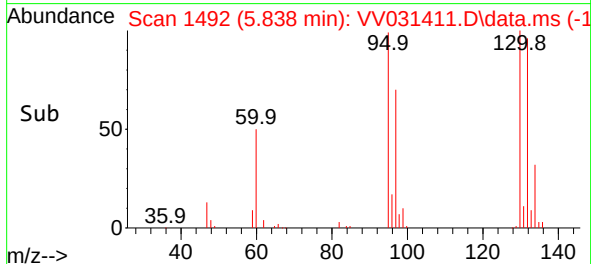
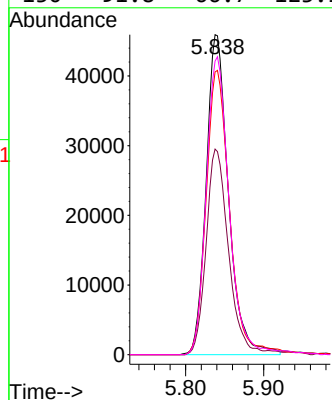
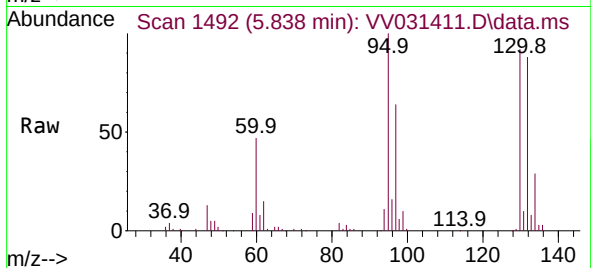
Ion Ratio Lower Upper

95 100

97 64.3 44.2 82.0

132 88.4 64.2 119.2

130 91.8 66.7 123.9



#35

Methylcyclohexane

Concen: 43.535 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

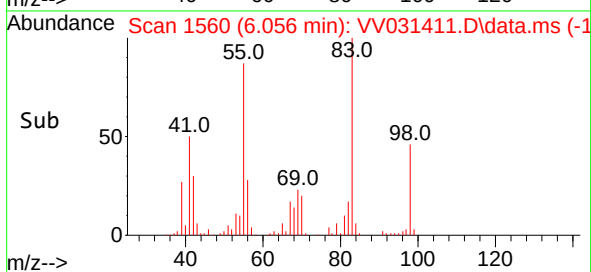
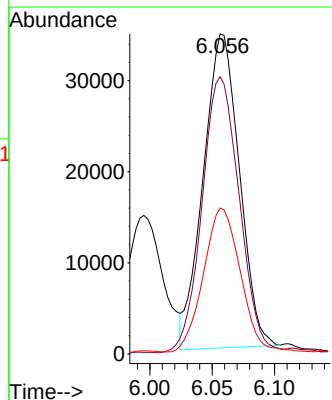
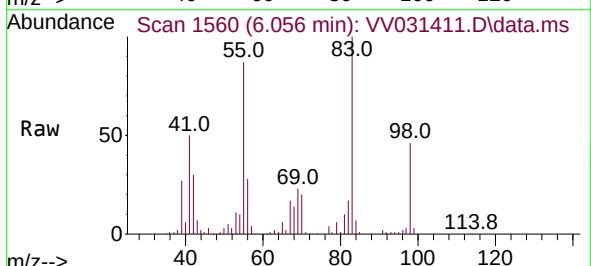
Tgt Ion: 83 Resp: 69479

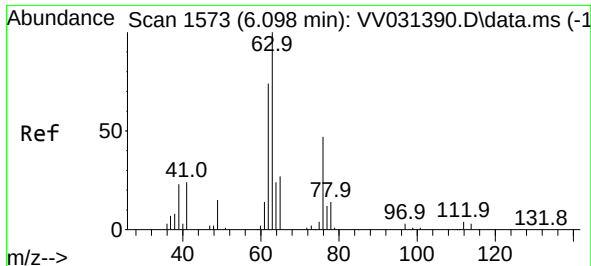
Ion Ratio Lower Upper

83 100

55 91.2 73.9 110.9

98 49.1 37.0 55.4





#37

1,2-Dichloropropane

Concen: 50.140 ug/L

RT: 6.098 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

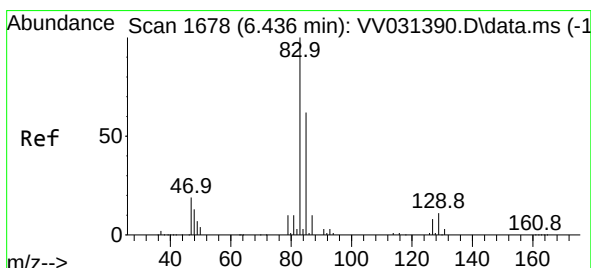
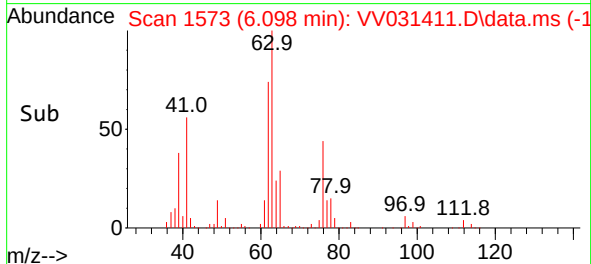
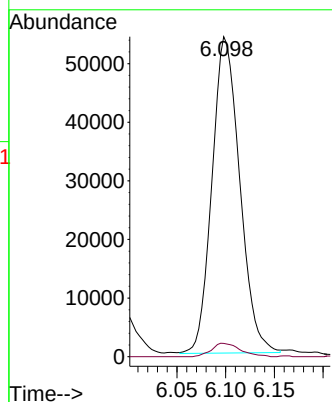
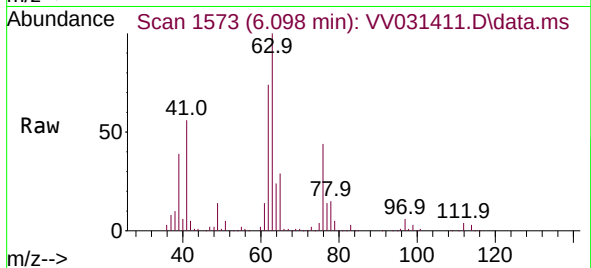
VSTD050360

Tgt Ion: 63 Resp: 106892

Ion Ratio Lower Upper

63 100

112 4.4 3.3 4.9



#38

Bromodichloromethane

Concen: 48.494 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

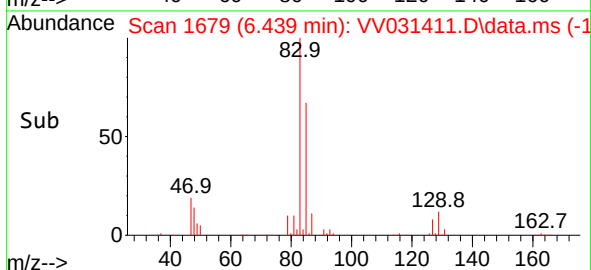
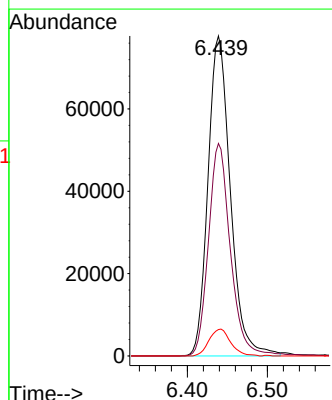
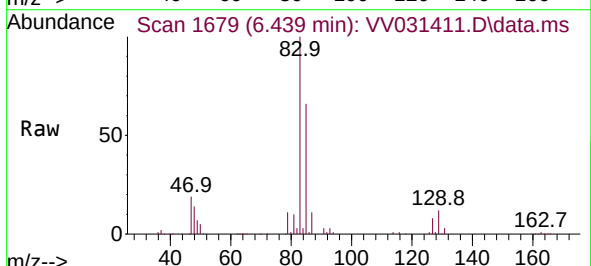
Tgt Ion: 83 Resp: 151313

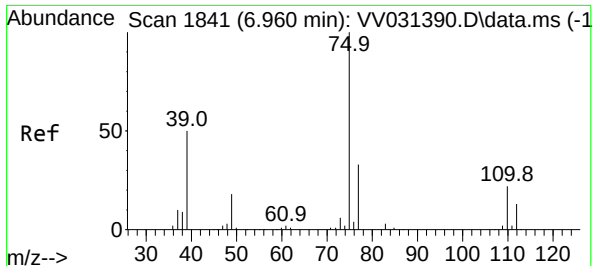
Ion Ratio Lower Upper

83 100

85 66.4 43.2 80.2

127 9.4 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 48.309 ug/L

RT: 6.960 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

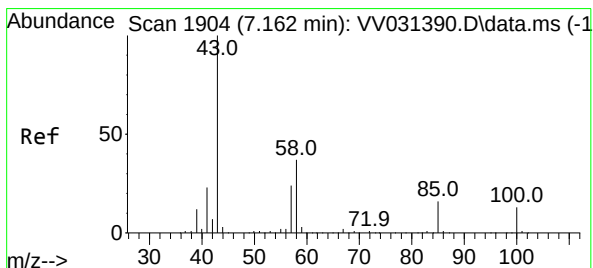
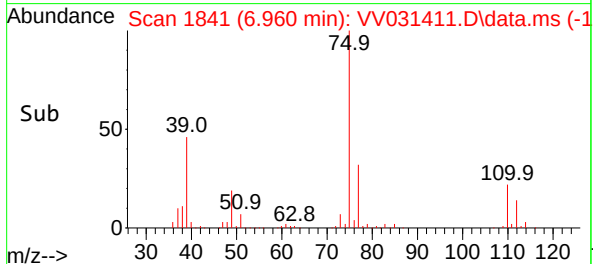
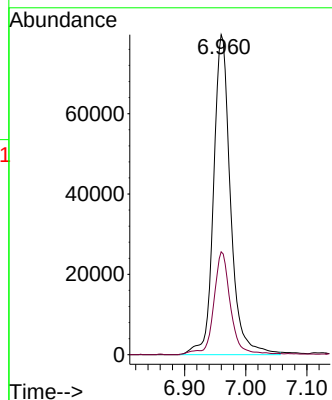
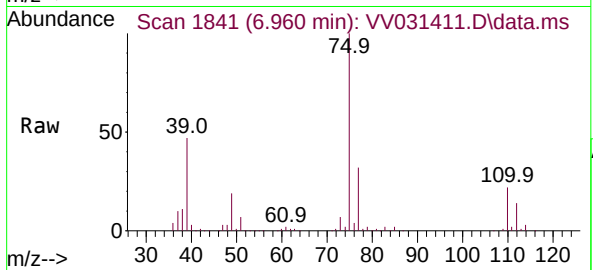
VSTD050360

Tgt Ion: 75 Resp: 153869

Ion Ratio Lower Upper

75 100

77 32.1 23.2 43.2



#40

4-Methyl-2-pentanone

Concen: 102.712 ug/L

RT: 7.166 min Scan# 1905

Delta R.T. 0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

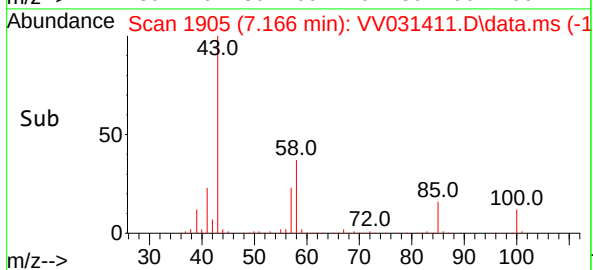
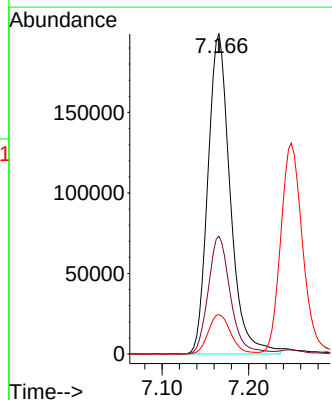
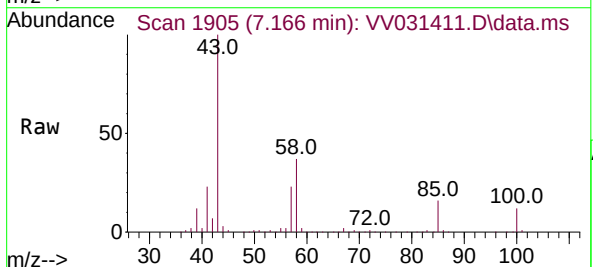
Tgt Ion: 43 Resp: 355706

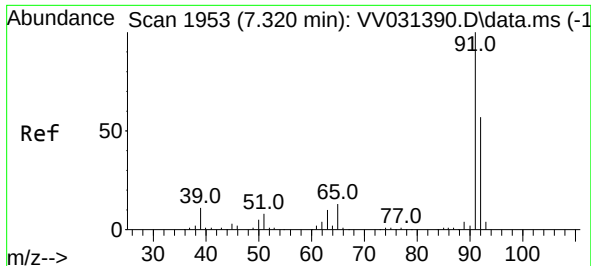
Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9

100 12.4 10.3 15.5





#42

Toluene

Concen: 50.952 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

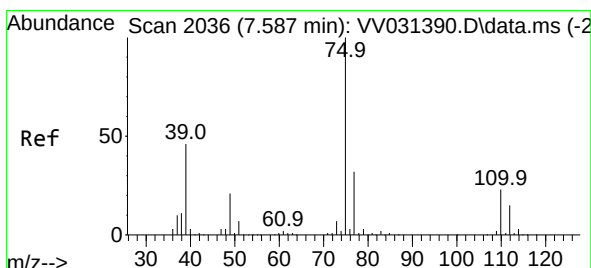
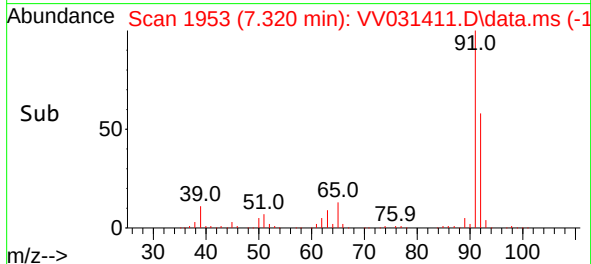
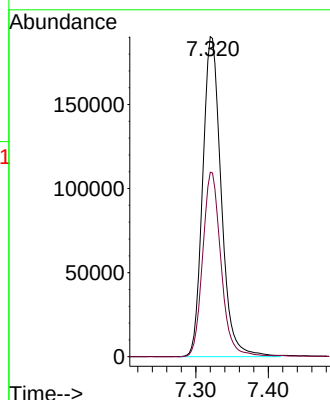
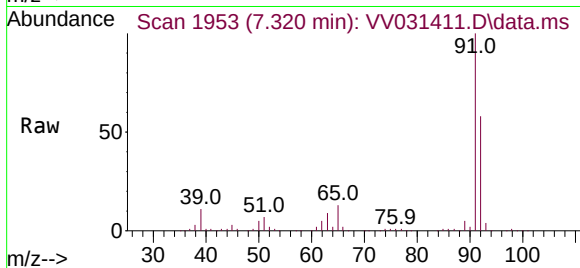
VSTD050360

Tgt Ion: 91 Resp: 337784

Ion Ratio Lower Upper

91 100

92 57.7 40.0 74.2



#44

trans-1,3-Dichloropropene

Concen: 49.888 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031411.D

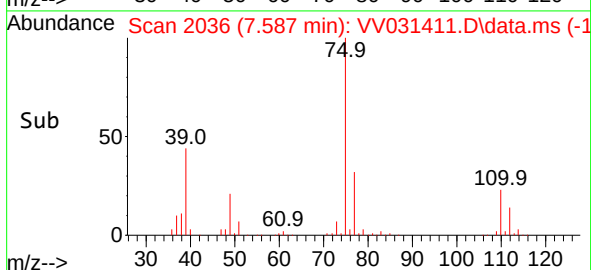
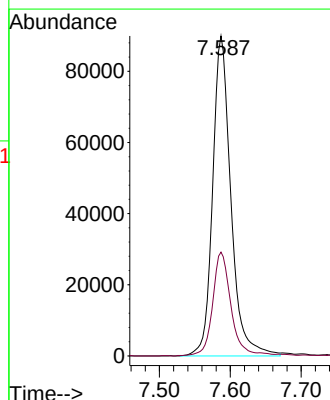
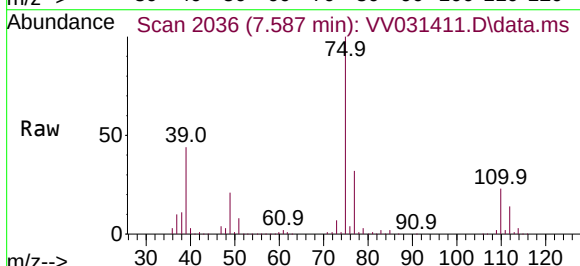
Acq: 07 Jun 2023 20:19

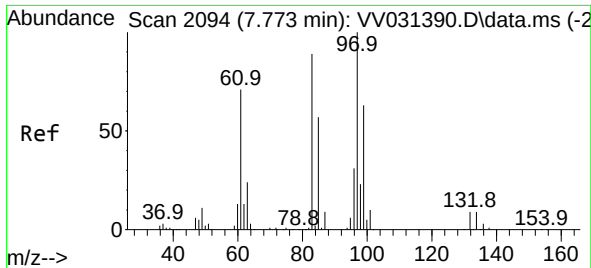
Tgt Ion: 75 Resp: 161166

Ion Ratio Lower Upper

75 100

77 32.5 22.2 41.2





#45

1,1,2-Trichloroethane

Concen: 49.908 ug/L

RT: 7.773 min Scan# 2094

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

Tgt Ion: 97 Resp: 109977

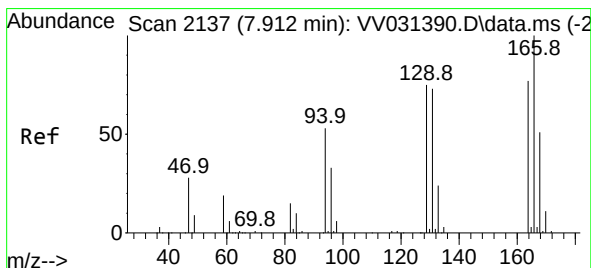
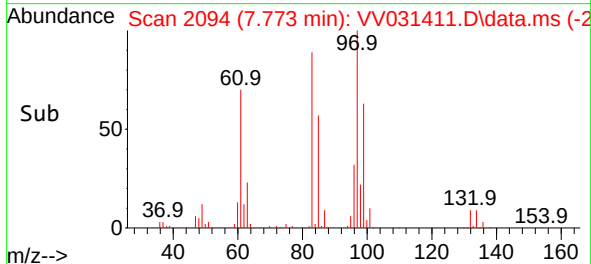
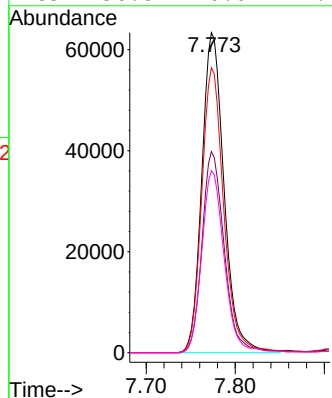
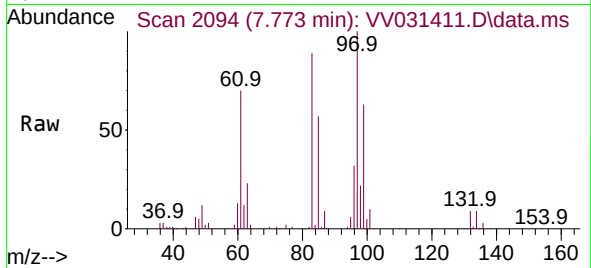
Ion Ratio Lower Upper

97 100

99 62.9 43.8 81.4

83 89.0 61.9 115.1

85 56.8 40.0 74.2



#46

Tetrachloroethene

Concen: 48.522 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Tgt Ion:164 Resp: 58780

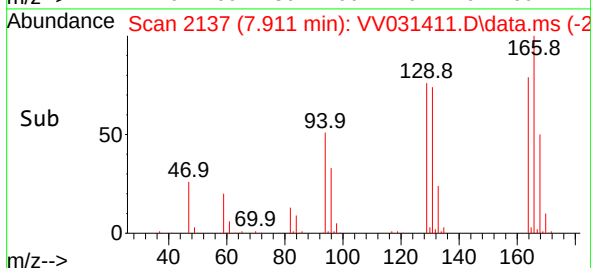
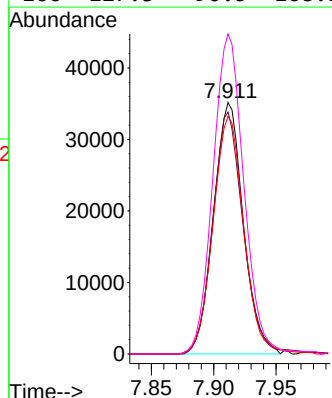
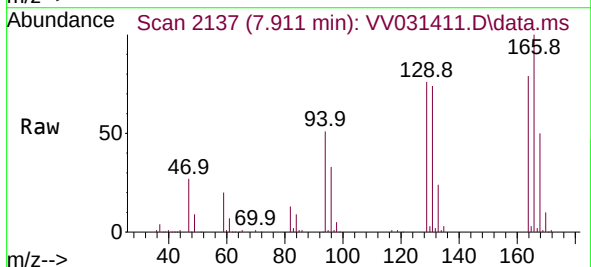
Ion Ratio Lower Upper

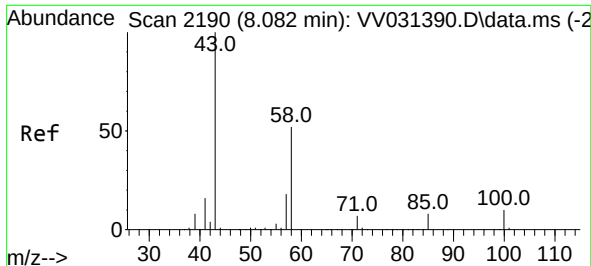
164 100

129 96.2 68.0 126.4

131 94.6 65.5 121.7

166 127.3 90.5 168.1



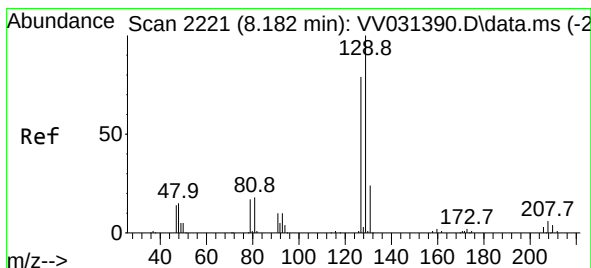
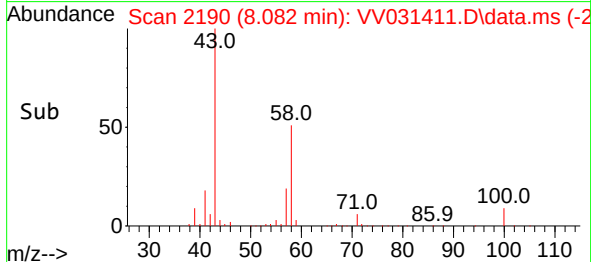
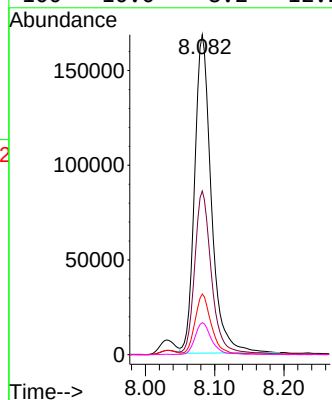
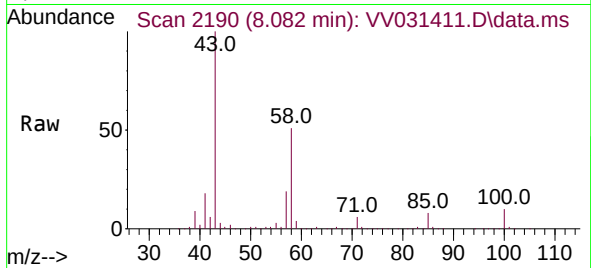


#48
2-Hexanone
Concen: 104.144 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

Tgt Ion: 43 Resp: 282310

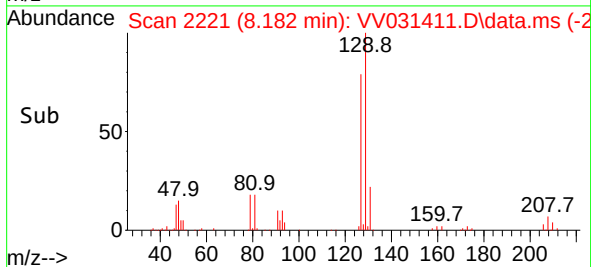
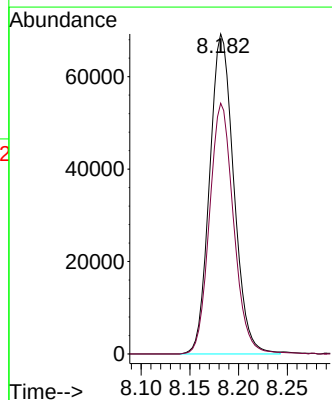
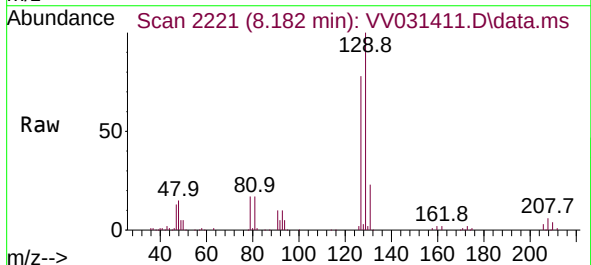
Ion	Ratio	Lower	Upper
43	100		
58	51.8	42.9	64.3
57	17.7	14.6	22.0
100	10.0	8.2	12.2

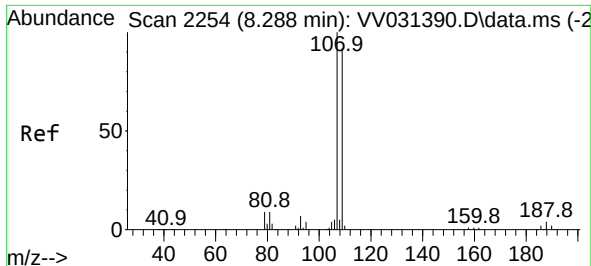


#49
Dibromochloromethane
Concen: 49.690 ug/L
RT: 8.182 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion: 129 Resp: 119443

Ion	Ratio	Lower	Upper
129	100		
127	78.3	55.5	103.1





#50

1,2-Dibromoethane

Concen: 50.439 ug/L

RT: 8.288 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

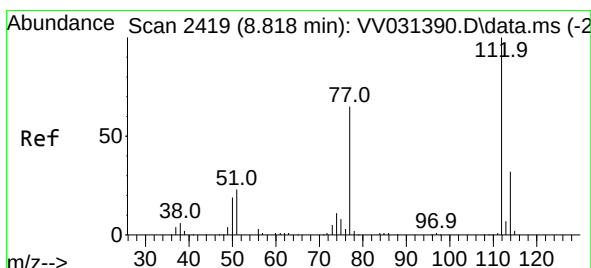
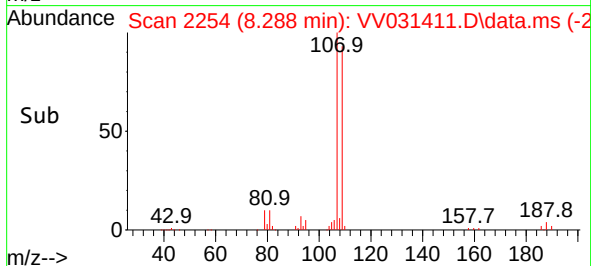
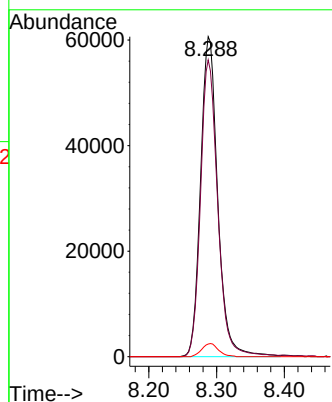
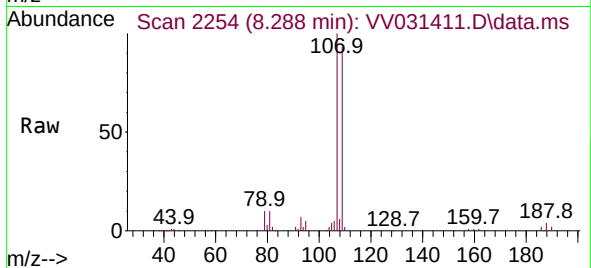
Tgt Ion:107 Resp: 107004

Ion Ratio Lower Upper

107 100

109 92.7 64.1 119.1

188 4.0 3.3 4.9



#51

Chlorobenzene

Concen: 49.136 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

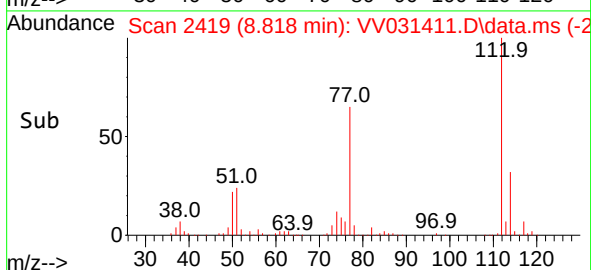
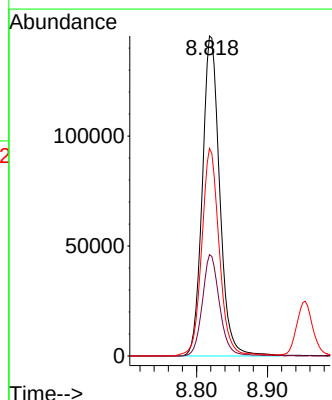
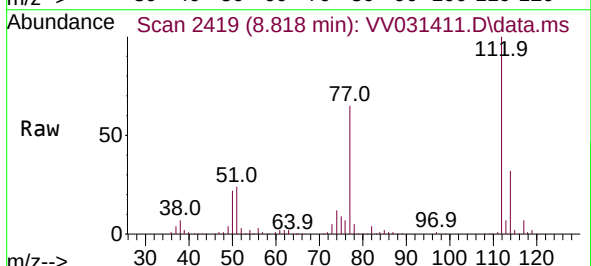
Tgt Ion:112 Resp: 247685

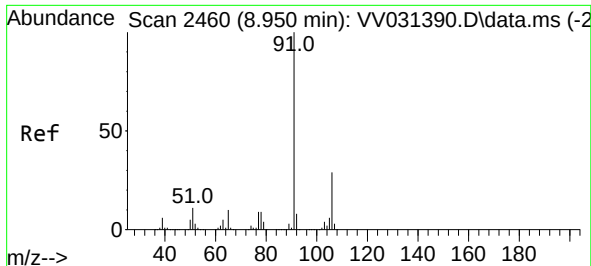
Ion Ratio Lower Upper

112 100

114 31.6 22.4 41.6

77 64.9 52.4 78.6

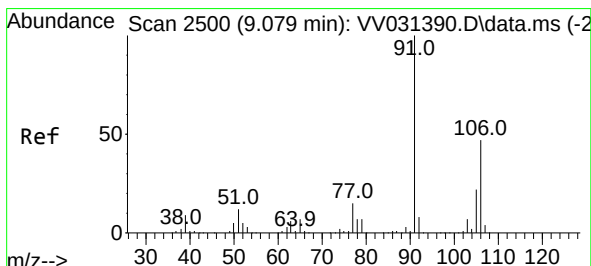
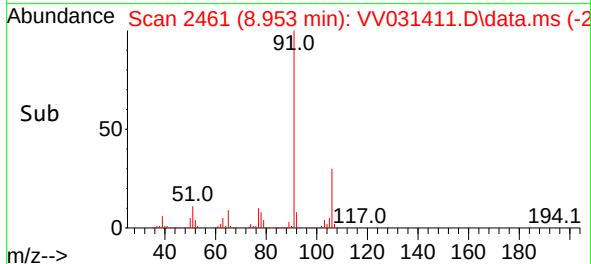
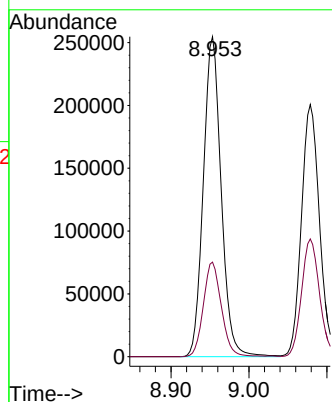
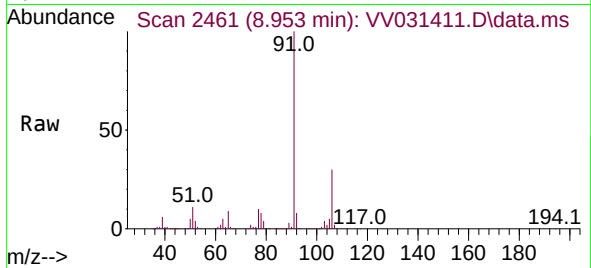




#52
Ethylbenzene
Concen: 49.120 ug/L
RT: 8.953 min Scan# 2460
Delta R.T. 0.003 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

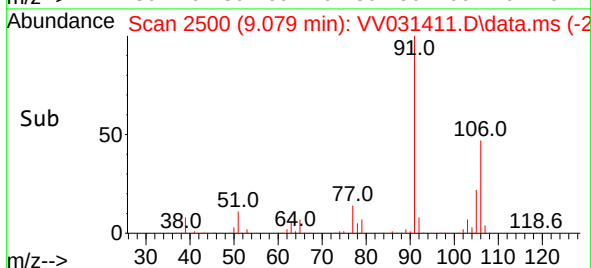
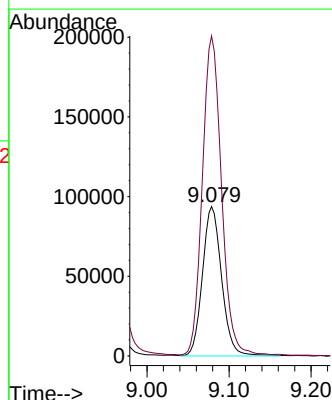
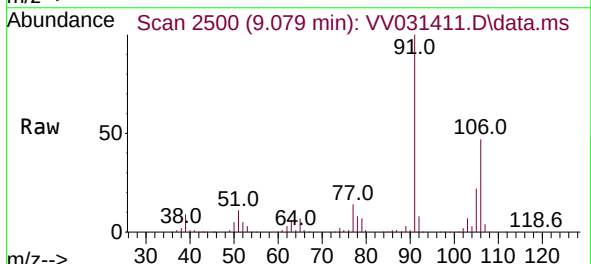
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

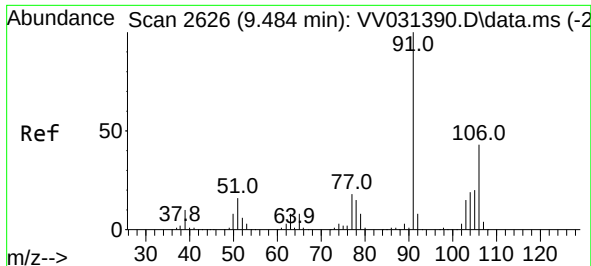
Tgt Ion: 91 Resp: 405271
Ion Ratio Lower Upper
91 100
106 29.6 20.4 38.0



#53
m,p-Xylene
Concen: 51.116 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion: 106 Resp: 151981
Ion Ratio Lower Upper
106 100
91 214.1 149.4 277.5

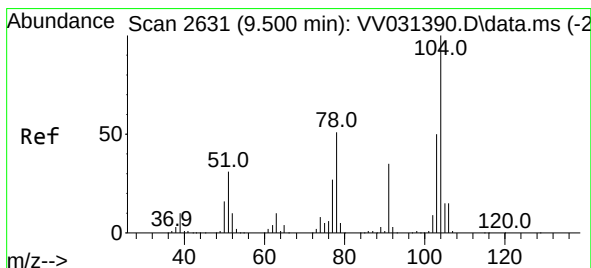
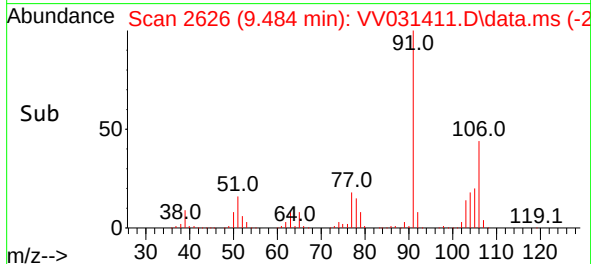
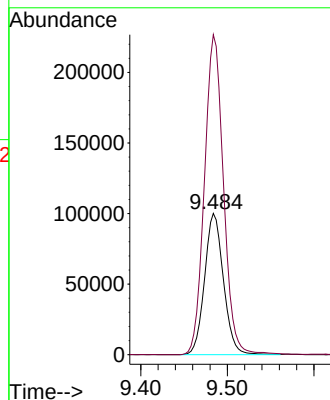
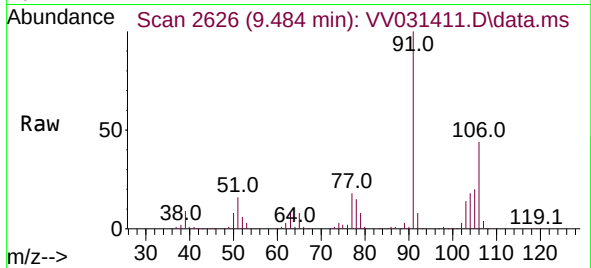




#54
o-Xylene
Concen: 50.487 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

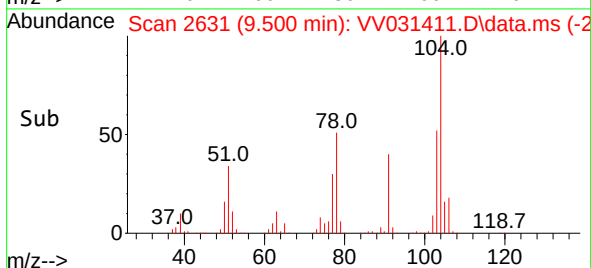
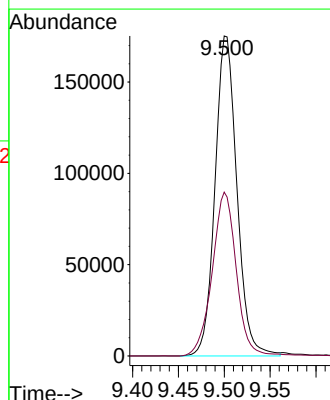
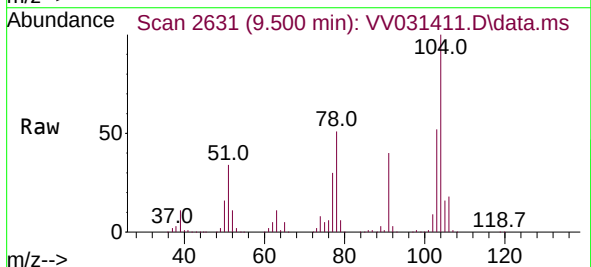
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

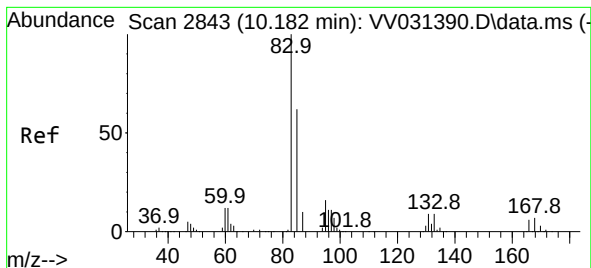
Tgt Ion:106 Resp: 151429
Ion Ratio Lower Upper
106 100
91 226.5 163.8 304.2



#55
Styrene
Concen: 53.286 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion:104 Resp: 291383
Ion Ratio Lower Upper
104 100
78 51.2 35.9 66.7





#57

1,1,2,2-Tetrachloroethane

Concen: 49.829 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

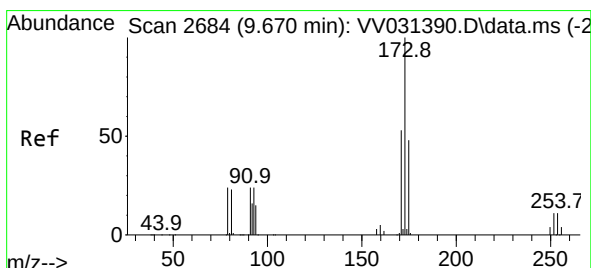
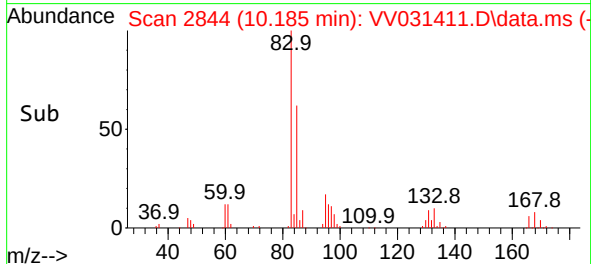
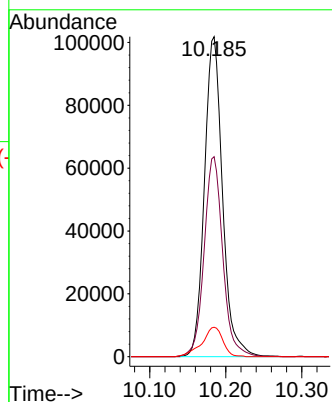
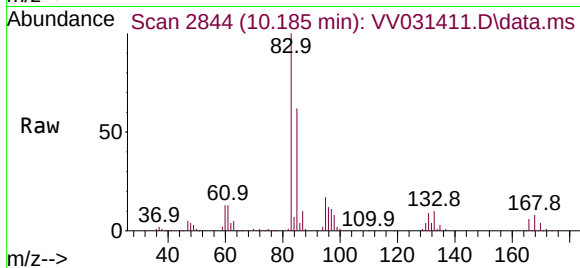
Tgt Ion: 83 Resp: 168316

Ion Ratio Lower Upper

83 100

85 62.5 43.7 81.1

131 9.2 7.3 10.9



#59

Bromoform

Concen: 46.758 ug/L

RT: 9.670 min Scan# 2684

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

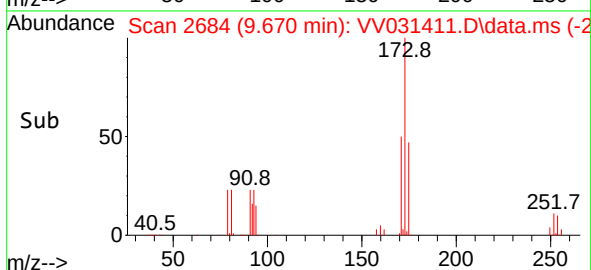
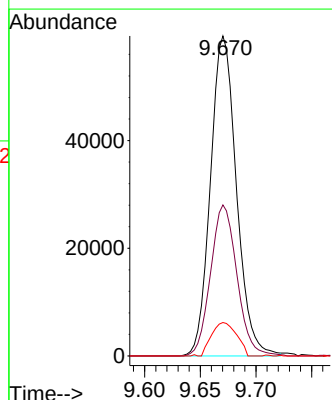
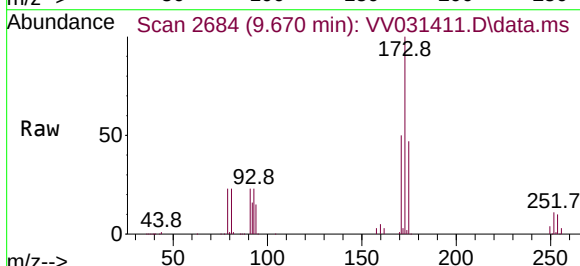
Tgt Ion: 173 Resp: 96592

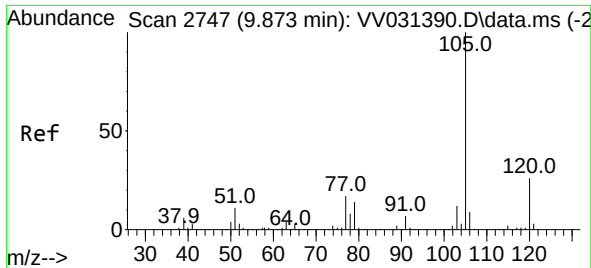
Ion Ratio Lower Upper

173 100

175 47.9 38.8 58.2

254 10.1 8.7 13.1

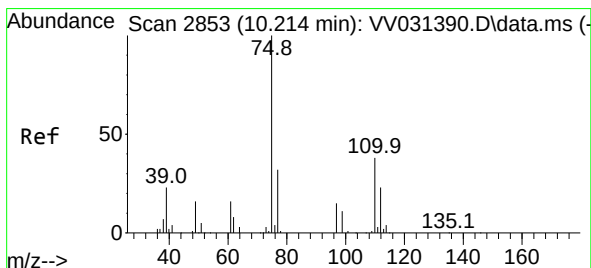
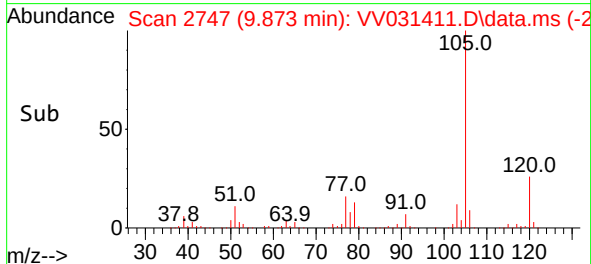
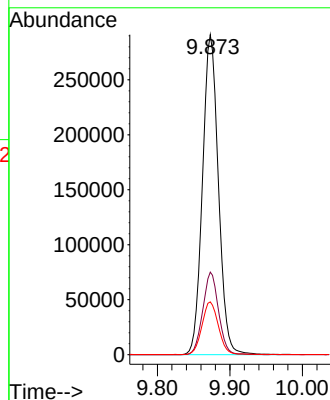
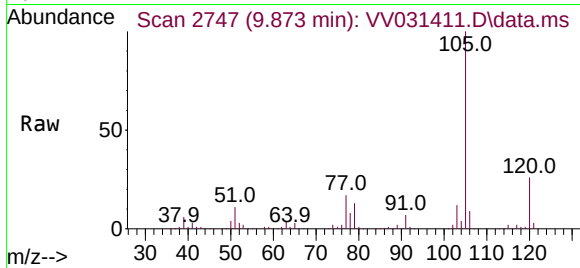




#60
Isopropylbenzene
Concen: 48.176 ug/L
RT: 9.873 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

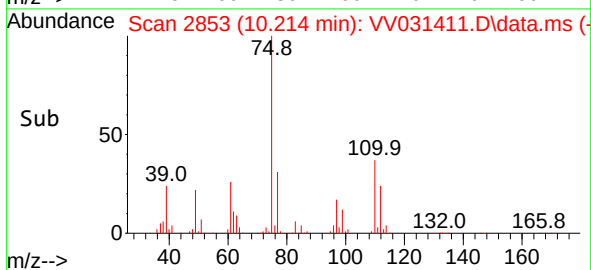
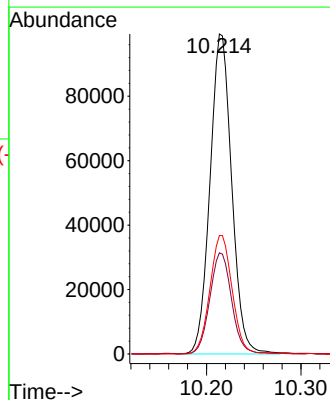
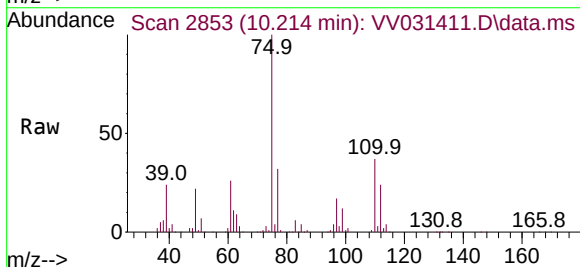
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

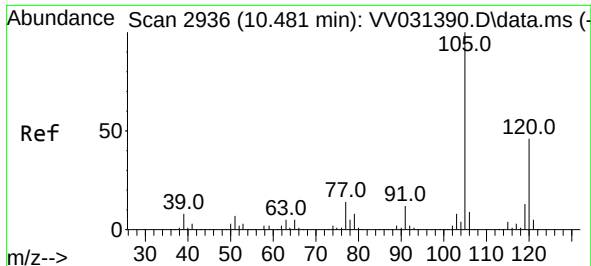
Tgt Ion:105 Resp: 443827
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8
77 16.9 13.8 20.8



#61
1,2,3-Trichloropropane
Concen: 48.474 ug/L
RT: 10.214 min Scan# 2853
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion: 75 Resp: 158205
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4
110 37.9 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 48.893 ug/L

RT: 10.484 min Scan# 2936

Delta R.T. 0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

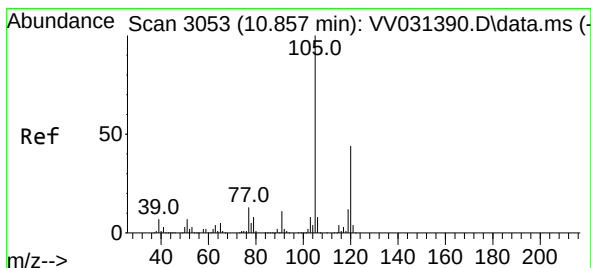
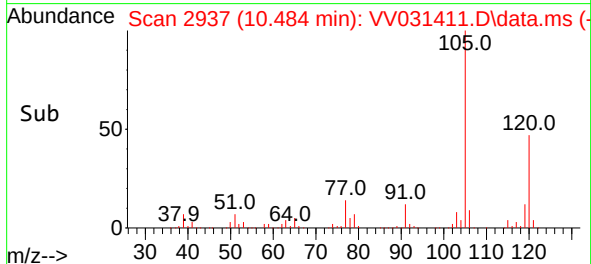
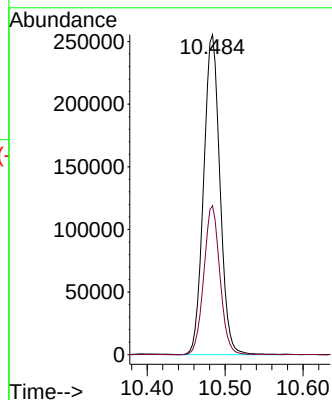
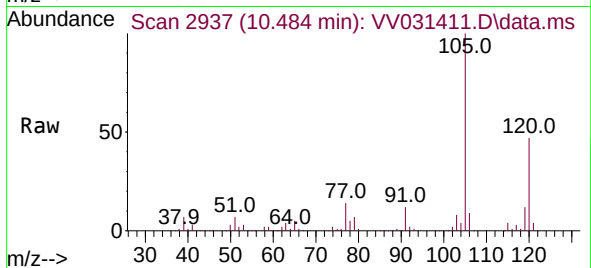
VSTD050360

Tgt Ion:105 Resp: 371992

Ion Ratio Lower Upper

105 100

120 45.9 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 49.046 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VV031411.D

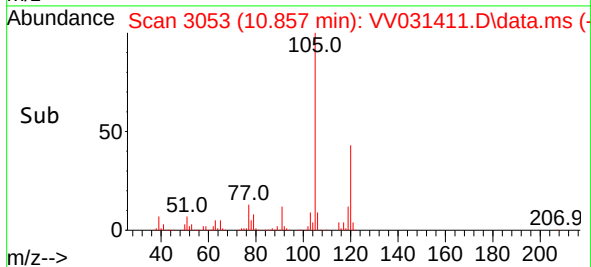
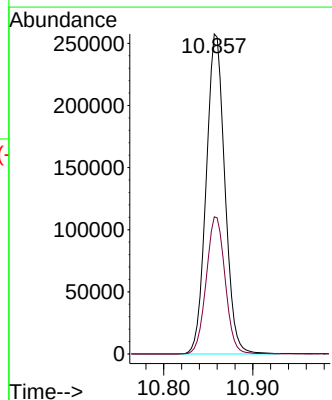
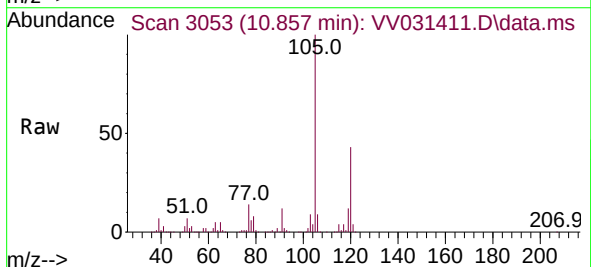
Acq: 07 Jun 2023 20:19

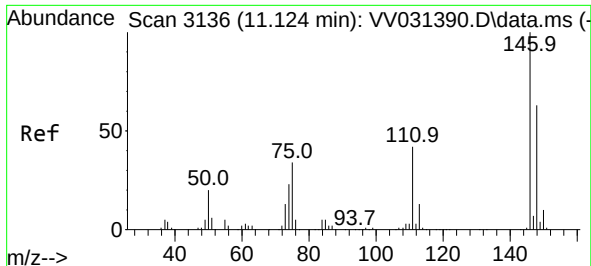
Tgt Ion:105 Resp: 373517

Ion Ratio Lower Upper

105 100

120 43.2 35.0 52.4

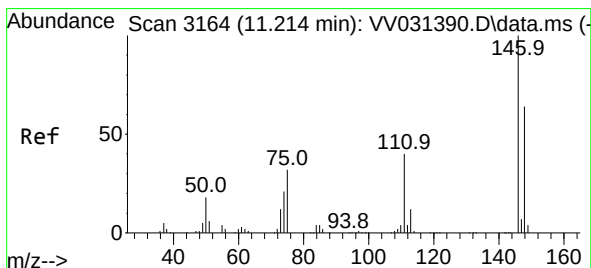
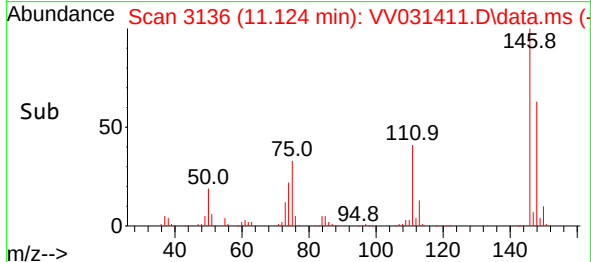
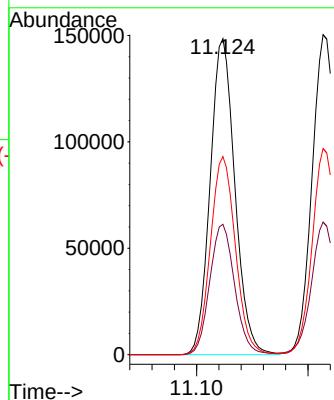
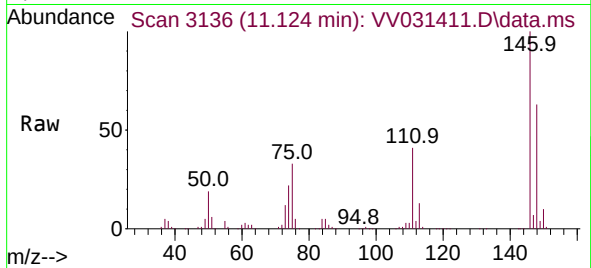




#64
1,3-Dichlorobenzene
Concen: 48.621 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

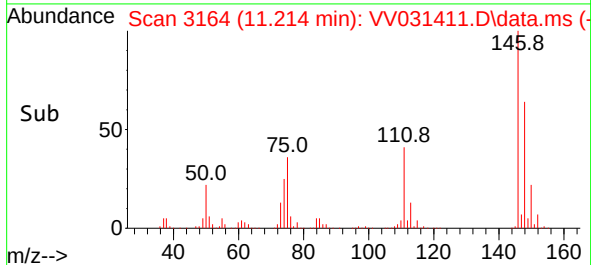
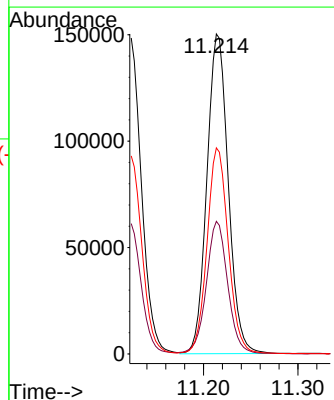
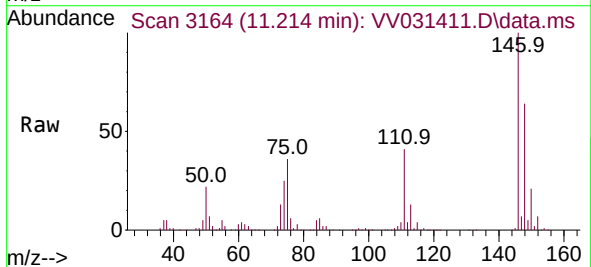
Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

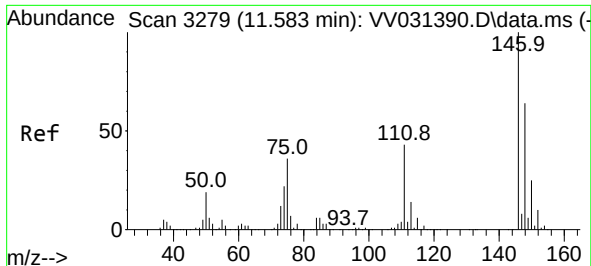
Tgt Ion:146 Resp: 229273
Ion Ratio Lower Upper
146 100
111 41.2 29.3 54.5
148 62.7 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 47.209 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion:146 Resp: 235461
Ion Ratio Lower Upper
146 100
111 41.5 28.1 52.3
148 64.4 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 48.760 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD050360

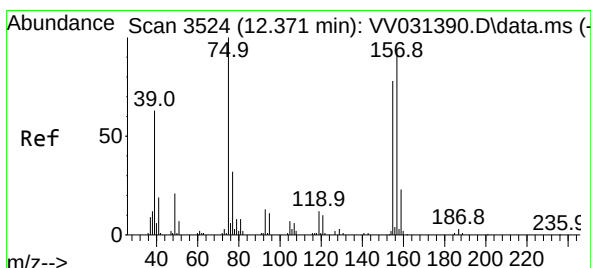
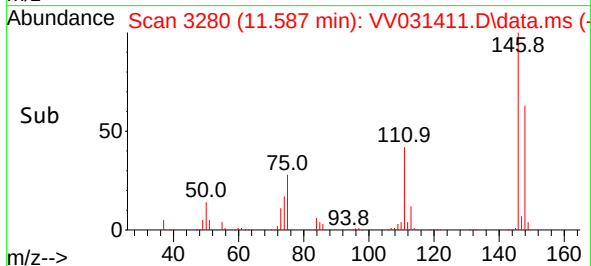
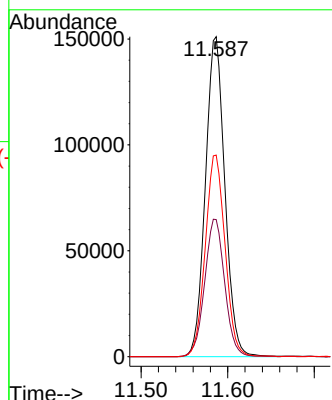
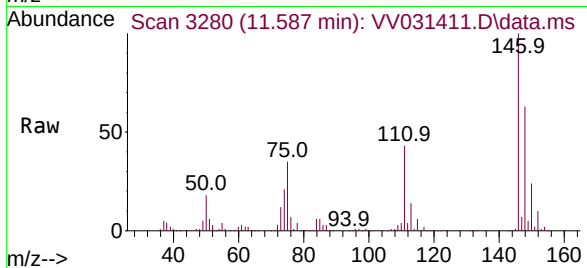
Tgt Ion:146 Resp: 235702

Ion Ratio Lower Upper

146 100

111 42.8 34.5 51.7

148 63.0 51.5 77.3



#68

1,2-Dibromo-3-chloropropane

Concen: 49.304 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. -0.000 min

Lab File: VV031411.D

Acq: 07 Jun 2023 20:19

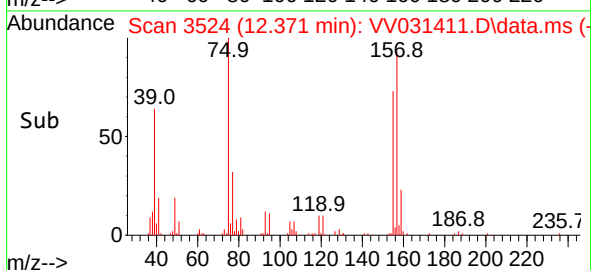
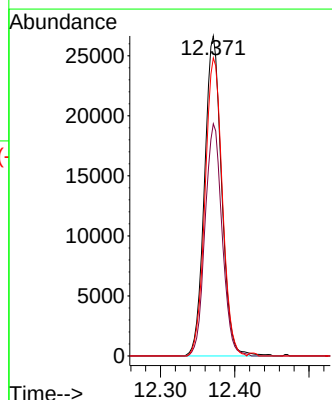
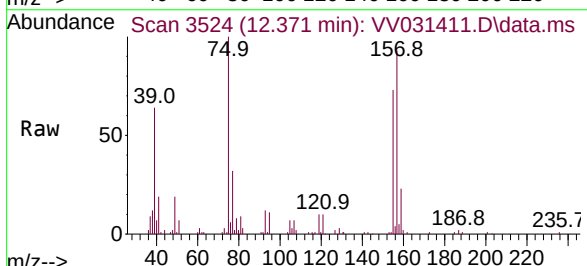
Tgt Ion: 75 Resp: 42651

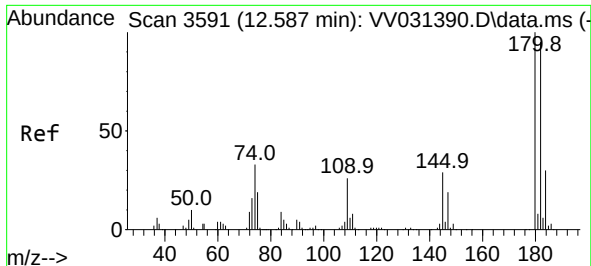
Ion Ratio Lower Upper

75 100

155 72.5 62.1 93.1

157 93.2 74.9 112.3



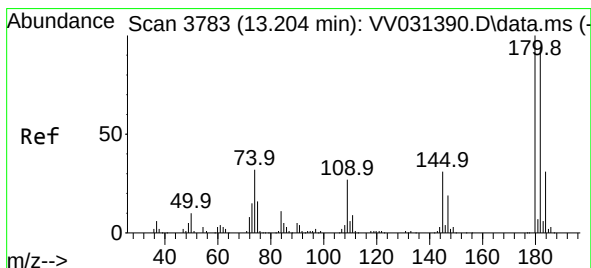
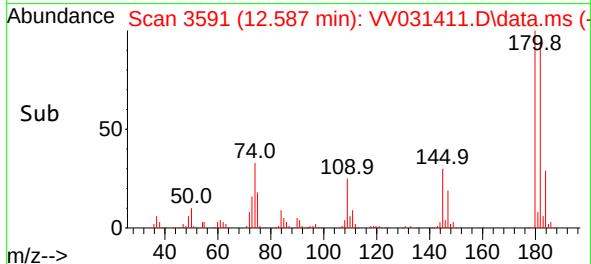
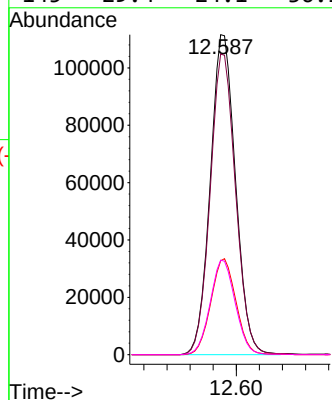
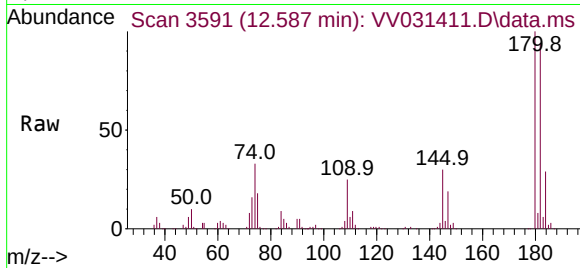


#69
 1,3,5-Trichlorobenzene
 Concen: 46.549 ug/L
 RT: 12.587 min Scan# 3591
 Delta R.T. -0.000 min
 Lab File: VV031411.D
 Acq: 07 Jun 2023 20:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050360

Tgt Ion:180 Resp: 168992

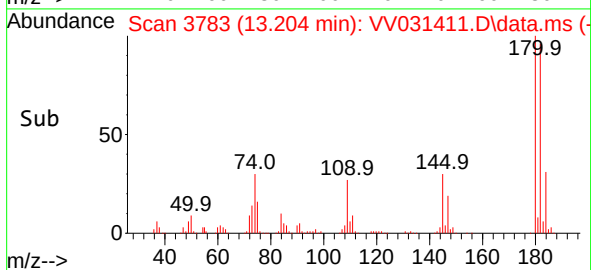
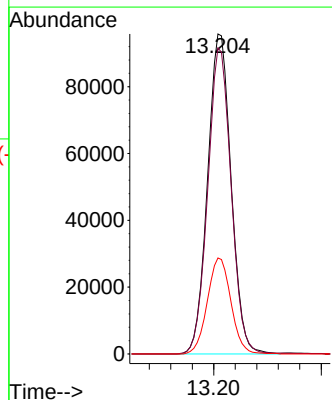
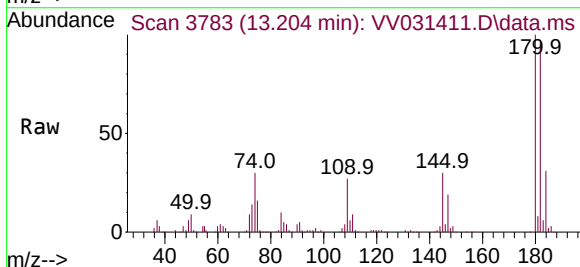
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
184	29.9	23.9	35.9
145	29.4	24.1	36.1

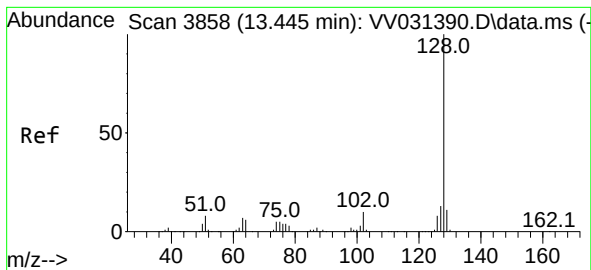


#70
 1,2,4-trichlorobenzene
 Concen: 46.997 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031411.D
 Acq: 07 Jun 2023 20:19

Tgt Ion:180 Resp: 145559

Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.6
145	30.0	24.2	36.2

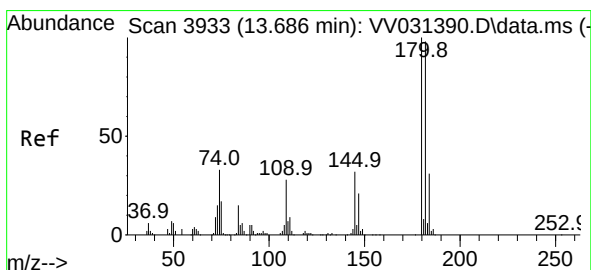
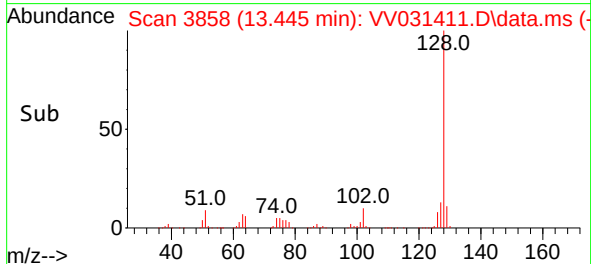
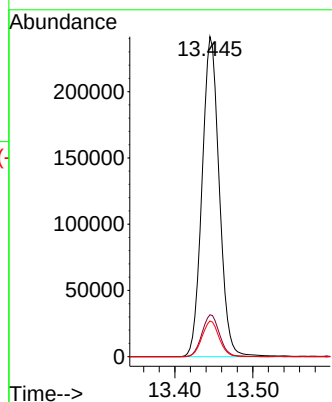
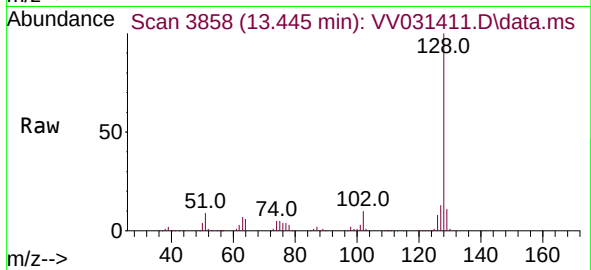




#71
Naphthalene
Concen: 43.611 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD050360

Tgt Ion:128 Resp: 370209
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 11.1 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 48.548 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031411.D
Acq: 07 Jun 2023 20:19

Tgt Ion:180 Resp: 150713
Ion Ratio Lower Upper
180 100
182 96.7 77.4 116.2
145 33.1 25.6 38.4

