

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021122\
 Data File : VW024601.D
 Acq On : 11 Feb 2022 14:04
 Operator : SY/MD
 Sample : N1476-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 12 03:43:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 12 03:41:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119459	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	117380	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60959	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	41718	4.166	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.400%
7) Chloroethane-d5	1.568	69	38870	4.592	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	2.111	63	71807	3.278	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.600%
20) 2-Butanone-d5	3.908	46	69329	41.706	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.420%
24) Chloroform-d	4.352	84	83323	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.037	65	39575	4.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.053	84	167562	5.031	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.069	67	50831	4.907	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.200%
41) Toluene-d8	7.317	98	150178	4.835	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.600%
43) trans-1,3-Dichloroprop...	7.625	79	18687	4.467	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.400%
46) 2-Hexanone-d5	8.088	63	73325	49.754	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31437	5.097	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	47676	4.852	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.000%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.121	96	7020	0.568	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	8370	0.328	ug/L #	91
19) 1,1-Dichloroethane	3.195	63	12229	0.583	ug/L	92
22) cis-1,2-Dichloroethene	3.918	96	24512	2.001	ug/L	98
25) Chloroform	4.375	83	2094	0.095	ug/L	91
27) 1,2-Dichloroethane	5.050	62	968	0.080	ug/L #	73
29) 1,1,1-Trichloroethane	4.612	97	3471	0.180	ug/L	99
33) Benzene	5.104	78	4405	0.096	ug/L	100
34) Trichloroethene	5.911	95	313521	24.854	ug/L	88
35) Methylcyclohexane	6.072	83	12273	0.588	ug/L #	20
37) 1,2-Dichloropropane	6.072	63	5328	0.480	ug/L #	84
39) cis-1,3-Dichloropropene	6.985	75	1402	0.083	ug/L #	81
42) Toluene	7.394	91	12226	0.245	ug/L	90
45) 1,1,2-Trichloroethane	7.976	97	1311	0.182	ug/L #	1
47) Tetrachloroethene	7.976	164	125238	14.965	ug/L	92
49) Dibromochloromethane	7.972	129	126372	14.543	ug/L #	11
52) Ethylbenzene	9.017	91	3801	0.068	ug/L	92
53) m,p-xylene	9.143	106	3662	0.174	ug/L	99
54) o-xylene	9.545	106	2036	0.100	ug/L	83

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Feb 12 03:41:27 2022
Response via : Initial Calibration

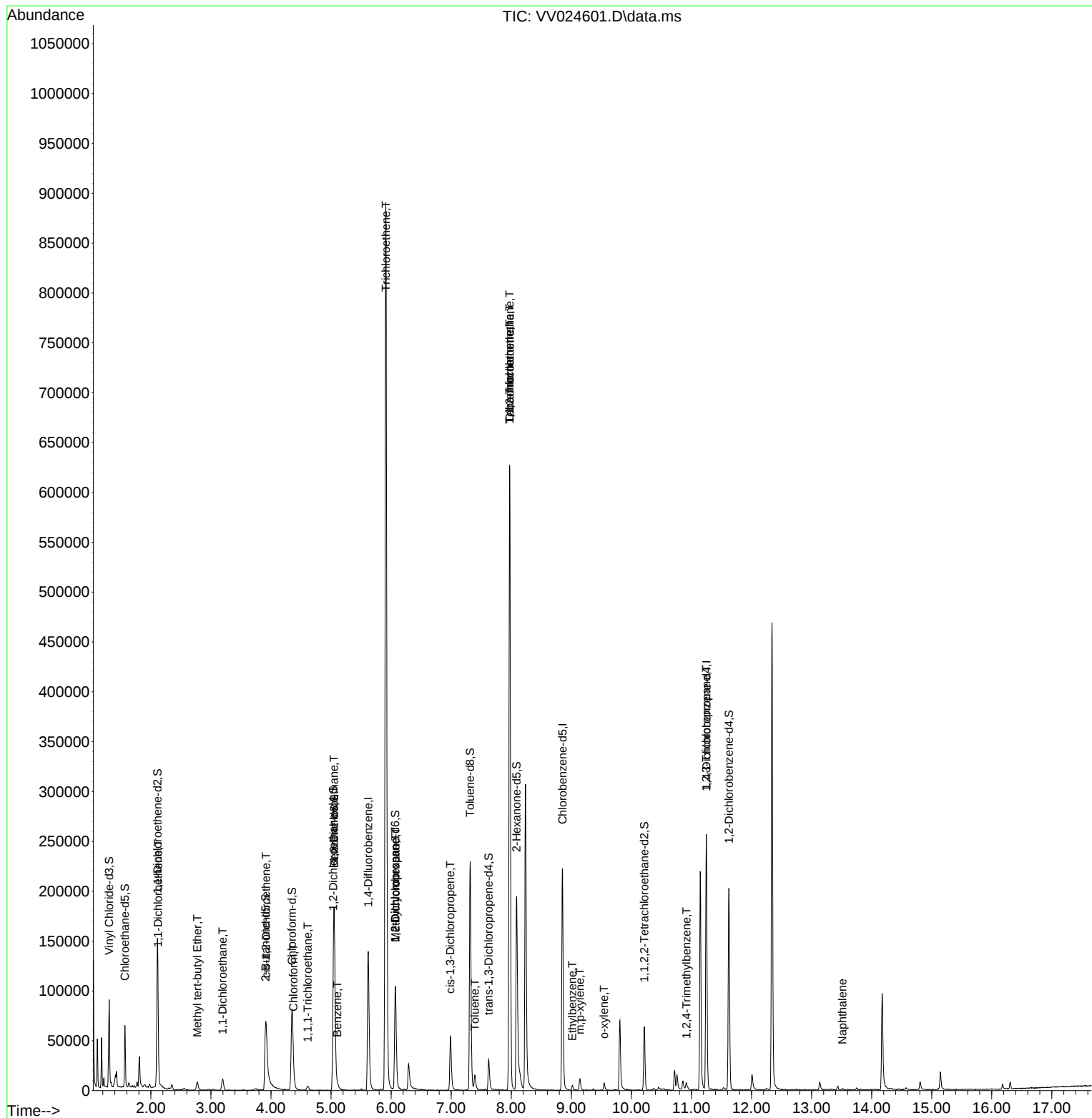
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.246	75	8819	1.468	ug/L #	63
63) 1,2,4-Trimethylbenzene	10.918	105	3685	0.078	ug/L	93
71) Naphthalene	13.512	128	1287	0.055	ug/L #	82

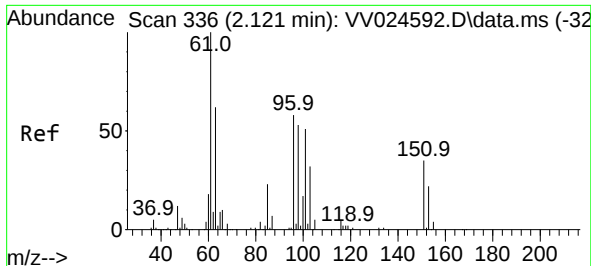
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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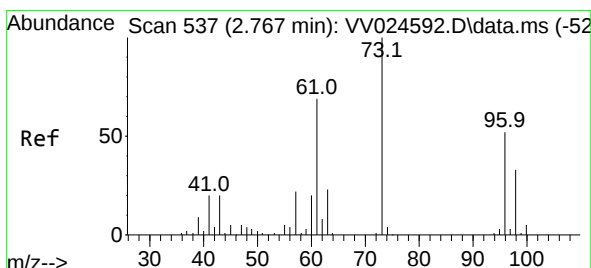
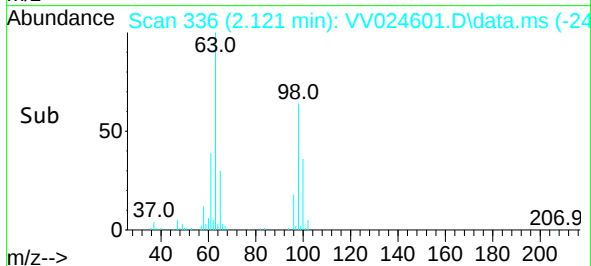
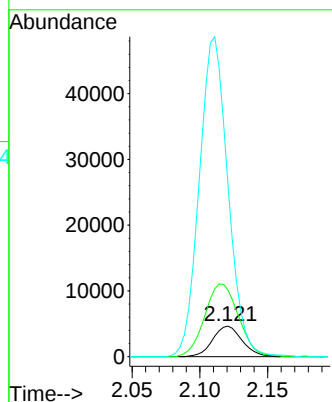
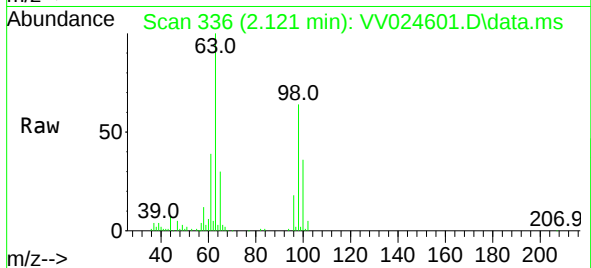




#12
 1,1-Dichloroethene
 Concen: 0.568 ug/L
 RT: 2.121 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV024601.D
 Acq: 11 Feb 2022 14:04

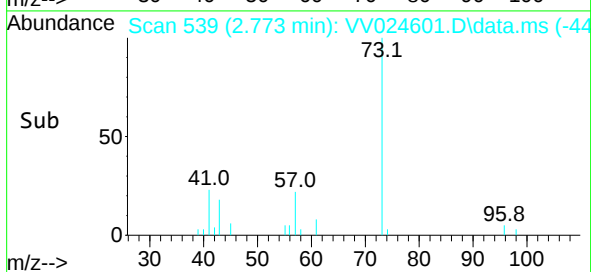
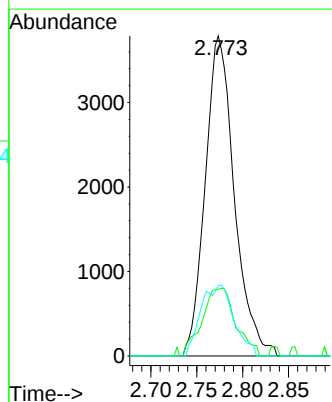
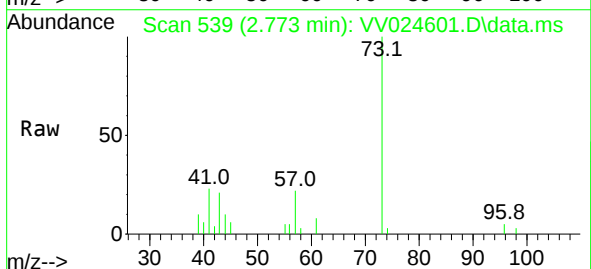
Instrument :
 MSVOA_V
 ClientSampleId :

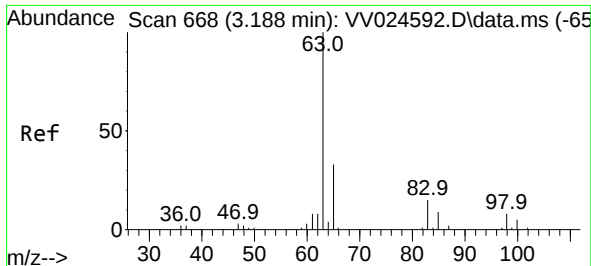
Tgt Ion: 96 Resp: 7020
 Ion Ratio Lower Upper
 96 100
 61 218.8 116.1 215.5#
 63 565.6 79.4 147.4#



#17
 Methyl tert-butyl Ether
 Concen: 0.328 ug/L
 RT: 2.773 min Scan# 539
 Delta R.T. 0.007 min
 Lab File: VV024601.D
 Acq: 11 Feb 2022 14:04

Tgt Ion: 73 Resp: 8370
 Ion Ratio Lower Upper
 73 100
 43 24.4 15.5 23.3#
 57 25.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 0.583 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

ClientSampleId :

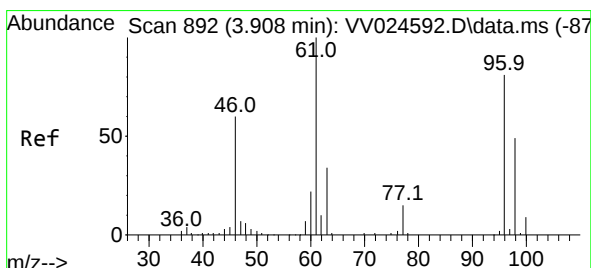
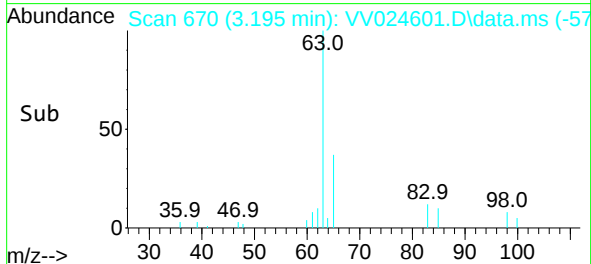
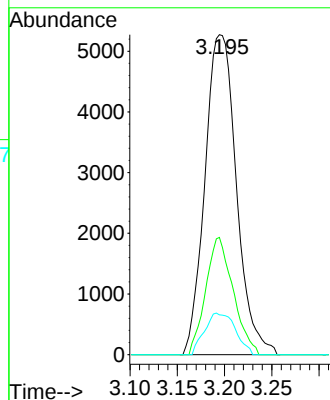
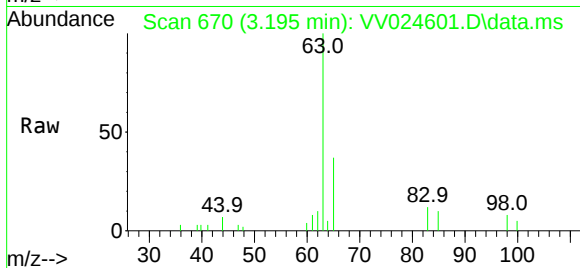
Tgt Ion: 63 Resp: 12229

Ion Ratio Lower Upper

63 100

65 36.6 22.3 41.3

83 12.4 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 2.001 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

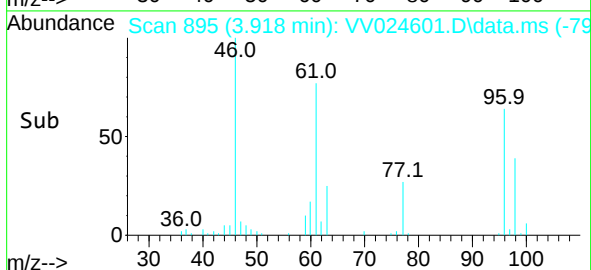
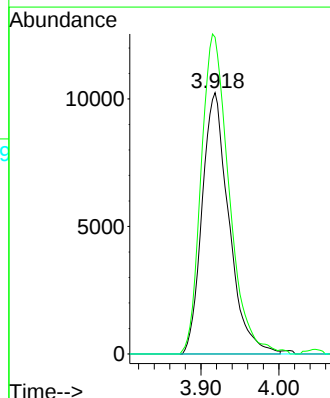
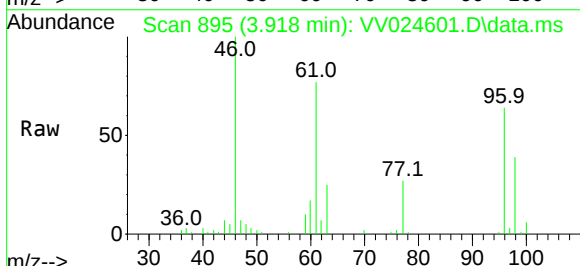
Tgt Ion: 96 Resp: 24512

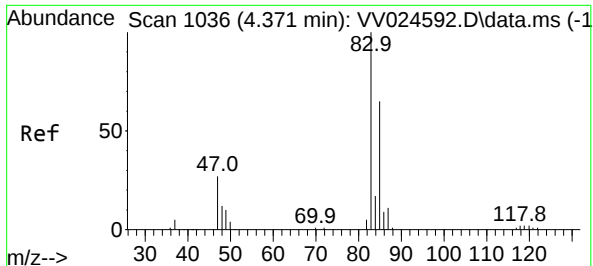
Ion Ratio Lower Upper

96 100

61 121.2 83.4 154.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.095 ug/L

RT: 4.375 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

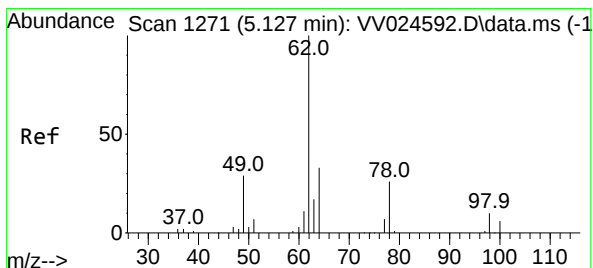
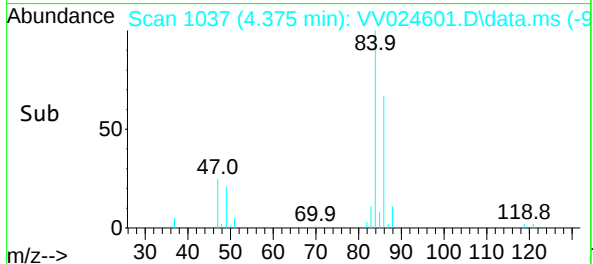
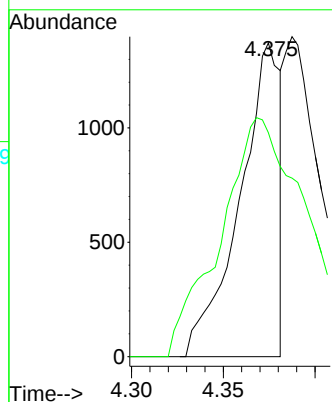
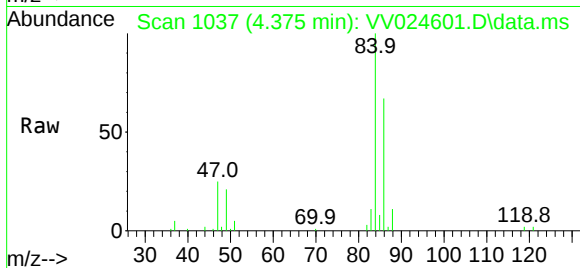
ClientSampleId :

Tgt Ion: 83 Resp: 2094

Ion Ratio Lower Upper

83 100

85 71.4 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.080 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.077 min

Lab File: VV024601.D

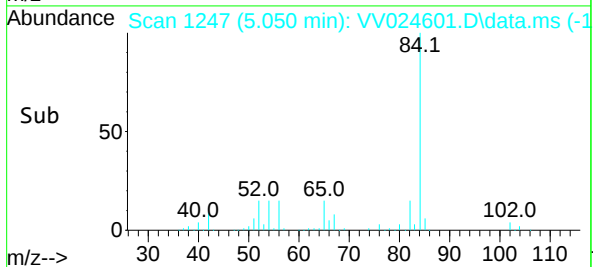
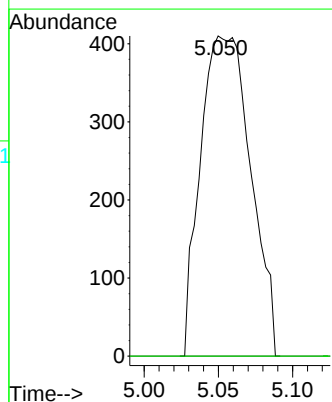
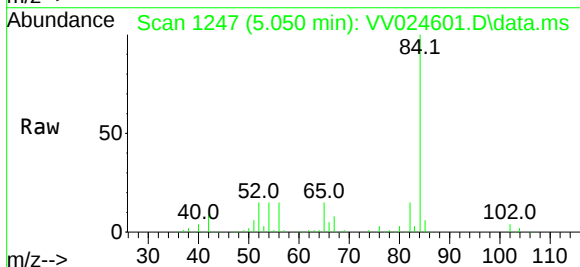
Acq: 11 Feb 2022 14:04

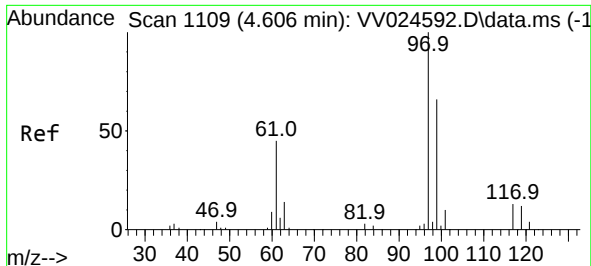
Tgt Ion: 62 Resp: 968

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#





#29

1,1,1-Trichloroethane

Concen: 0.180 ug/L

RT: 4.612 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

ClientSampleId :

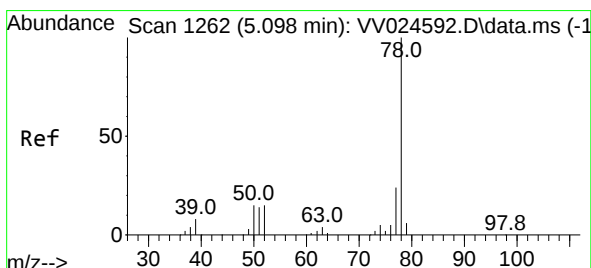
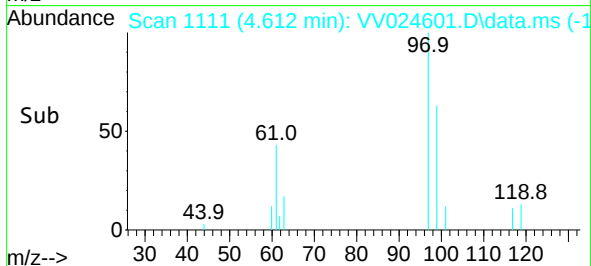
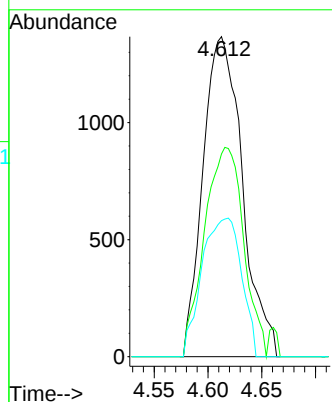
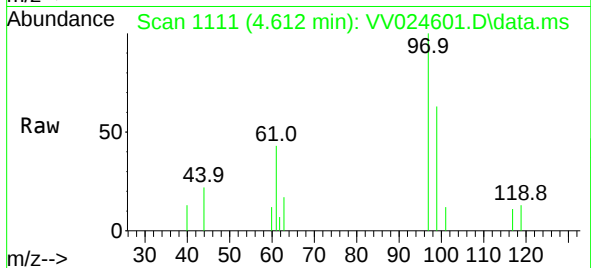
Tgt Ion: 97 Resp: 3471

Ion Ratio Lower Upper

97 100

99 65.1 51.9 77.9

61 43.5 33.2 49.8



#33

Benzene

Concen: 0.096 ug/L

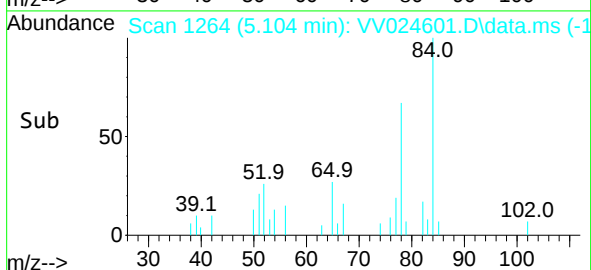
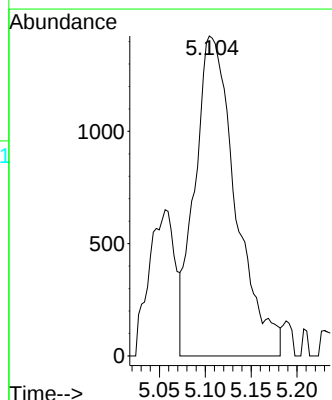
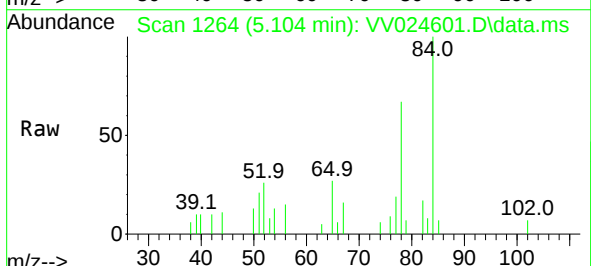
RT: 5.104 min Scan# 1264

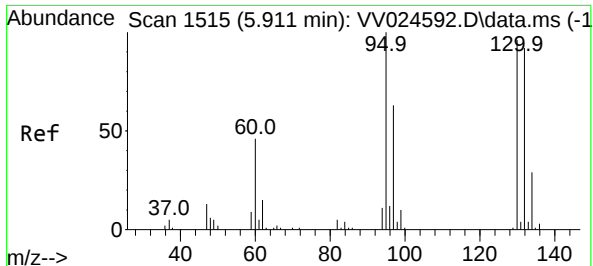
Delta R.T. 0.006 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

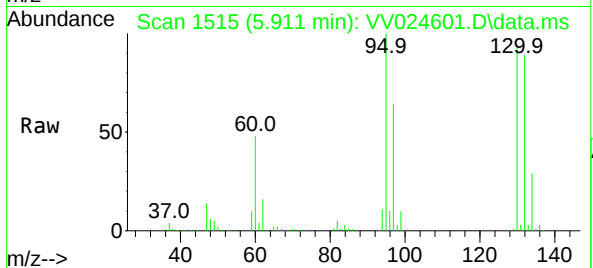
Tgt Ion: 78 Resp: 4405



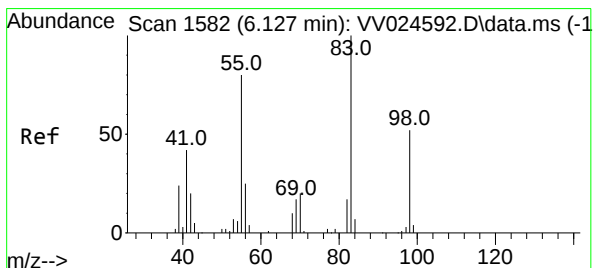
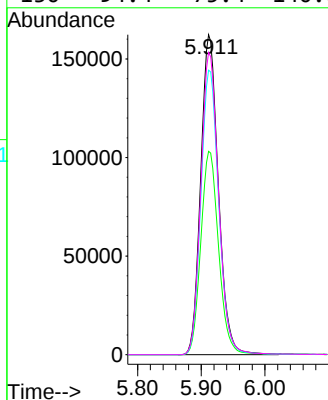
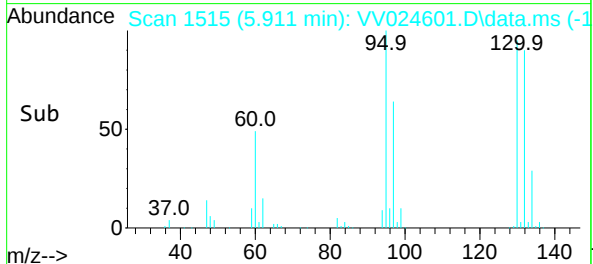


#34
Trichloroethene
Concen: 24.854 ug/L
RT: 5.911 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

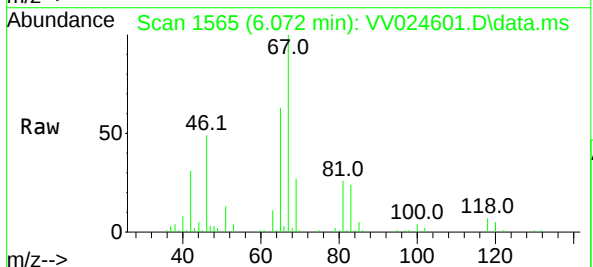
Instrument :
MSVOA_V
ClientSampleId :



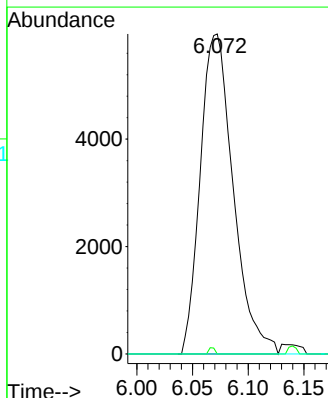
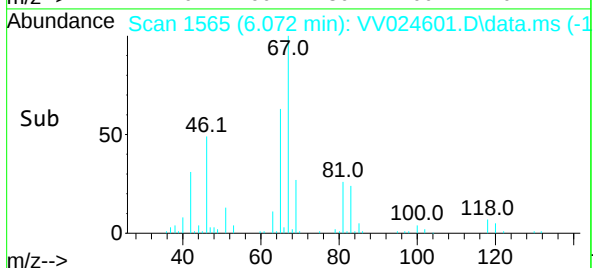
Tgt Ion: 95 Resp: 313521
Ion Ratio Lower Upper
95 100
97 63.5 45.2 84.0
132 88.9 76.1 141.3
130 94.4 75.4 140.0

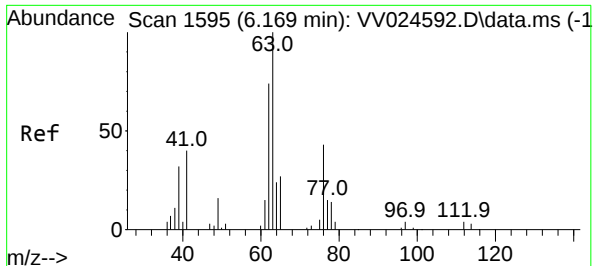


#35
Methylcyclohexane
Concen: 0.588 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04



Tgt Ion: 83 Resp: 12273
Ion Ratio Lower Upper
83 100
55 0.6 60.2 90.2#
98 2.9 41.0 61.4#





#37

1,2-Dichloropropane

Concen: 0.480 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.096 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

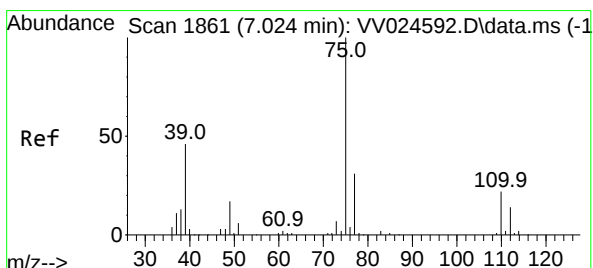
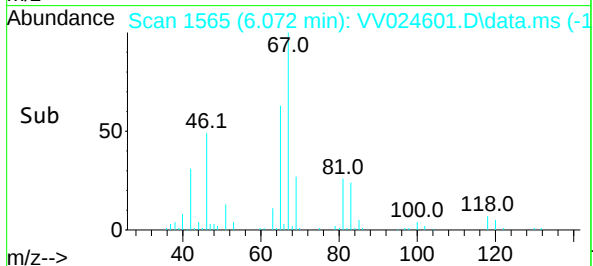
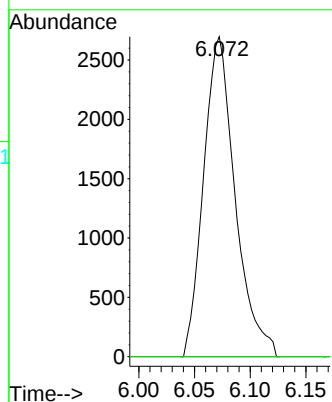
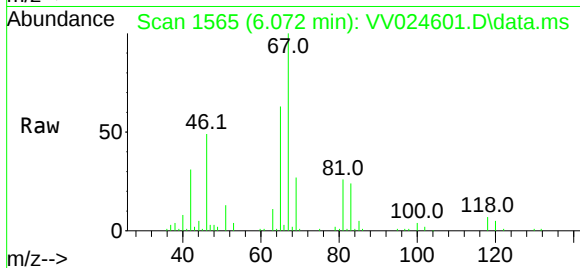
ClientSampleId :

Tgt Ion: 63 Resp: 5328

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.038 min

Lab File: VV024601.D

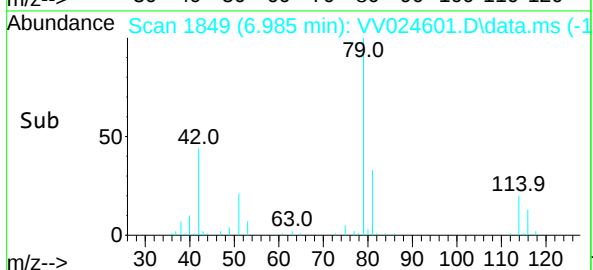
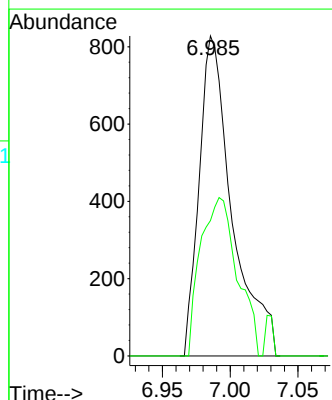
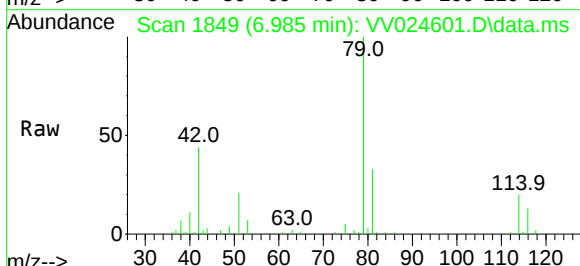
Acq: 11 Feb 2022 14:04

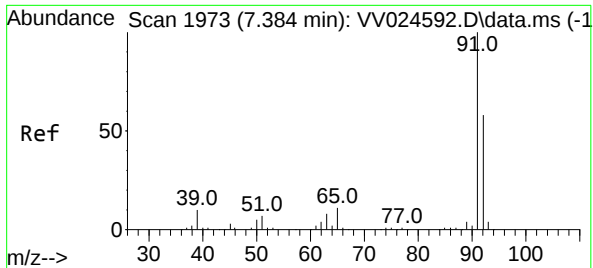
Tgt Ion: 75 Resp: 1402

Ion Ratio Lower Upper

75 100

77 42.3 22.0 41.0#





#42

Toluene

Concen: 0.245 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

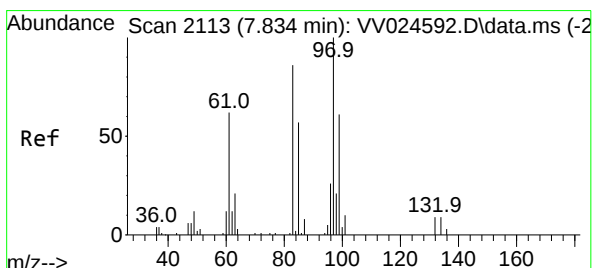
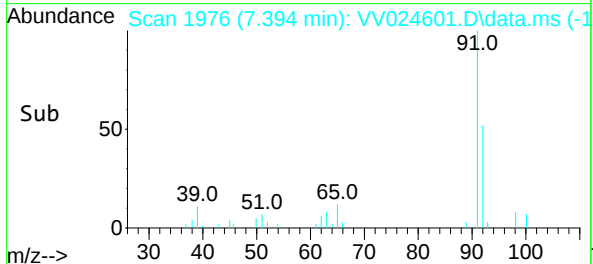
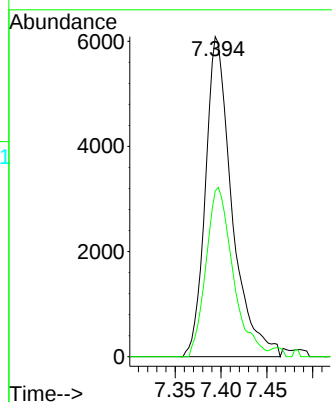
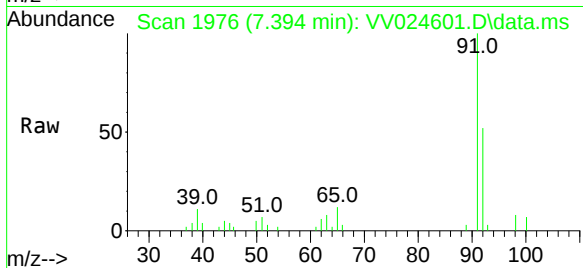
ClientSampleId :

Tgt Ion: 91 Resp: 12226

Ion Ratio Lower Upper

91 100

92 51.8 41.5 77.1



#45

1,1,2-Trichloroethane

Concen: 0.182 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.142 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Tgt Ion: 97 Resp: 1311

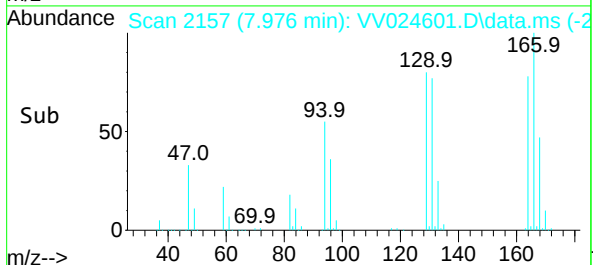
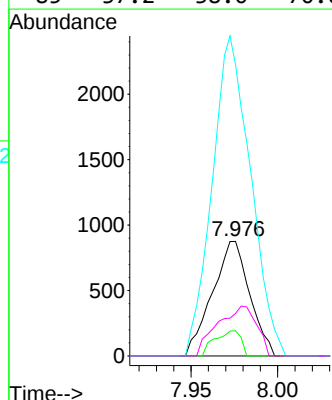
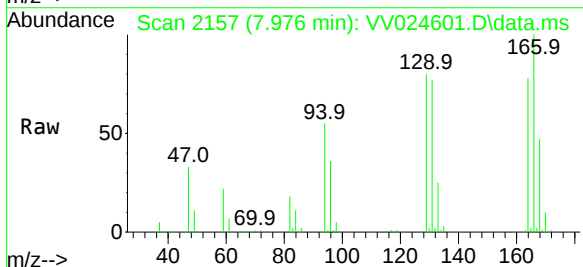
Ion Ratio Lower Upper

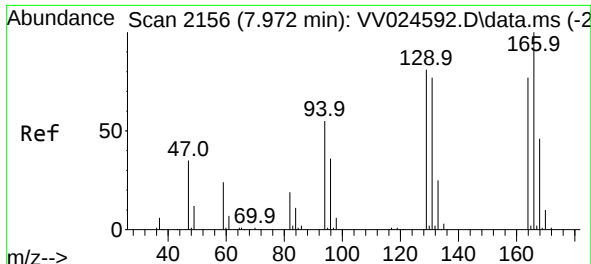
97 100

99 22.0 43.1 80.1#

83 254.1 57.9 107.5#

85 37.2 38.0 70.6#





#47

Tetrachloroethene

Concen: 14.965 ug/L

RT: 7.976 min Scan# 2156

Delta R.T. 0.003 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:164 Resp: 125238

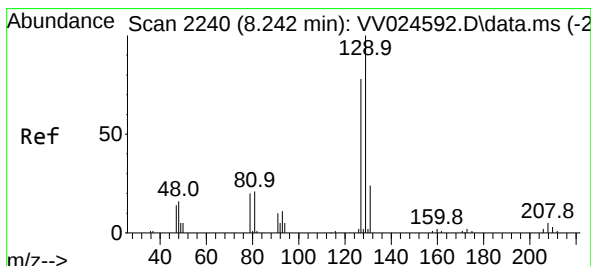
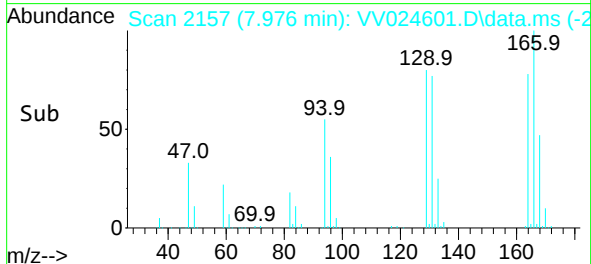
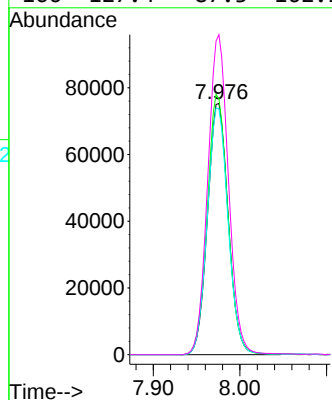
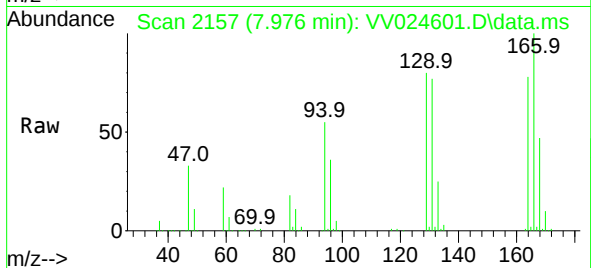
Ion Ratio Lower Upper

164 100

129 102.1 62.6 116.2

131 97.9 61.0 113.4

166 127.4 87.3 162.1



#49

Dibromochloromethane

Concen: 14.543 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV024601.D

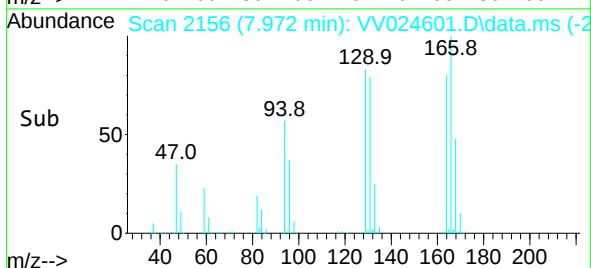
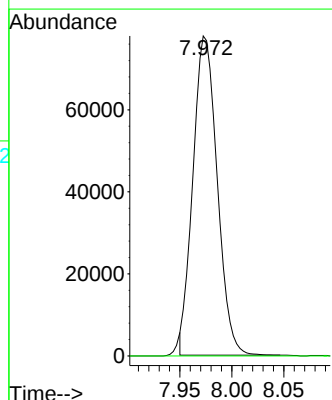
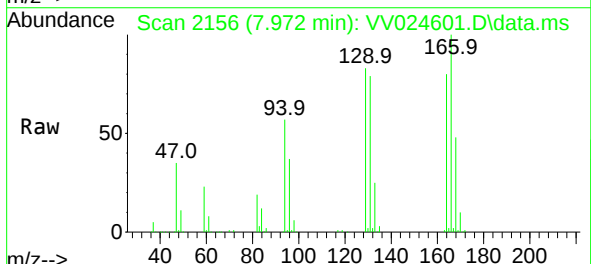
Acq: 11 Feb 2022 14:04

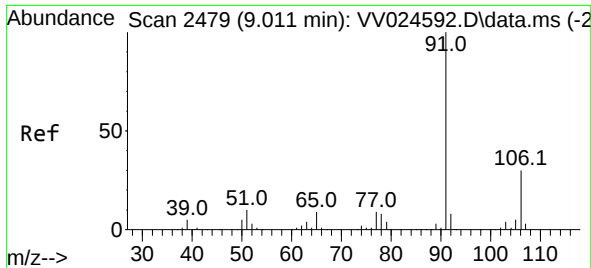
Tgt Ion:129 Resp: 126372

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#

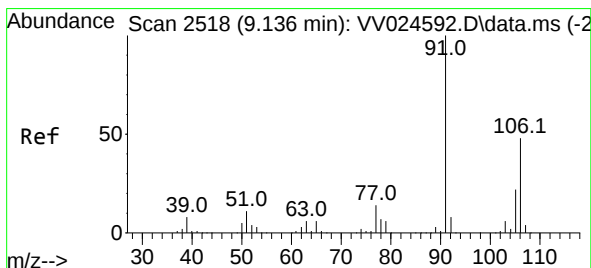
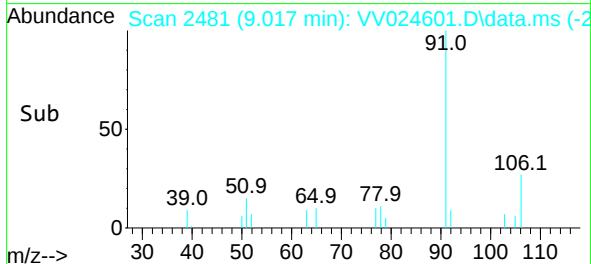
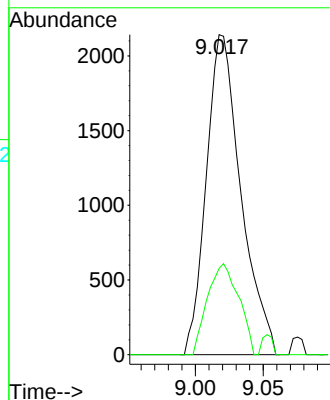
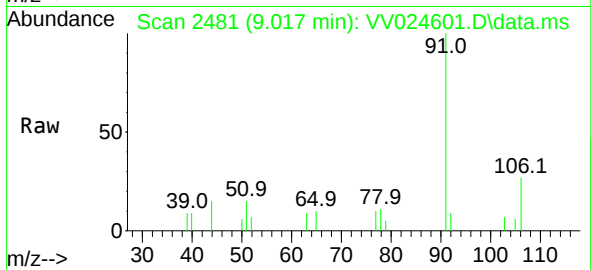




#52
Ethylbenzene
Concen: 0.068 ug/L
RT: 9.017 min Scan# 2479
Delta R.T. 0.007 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

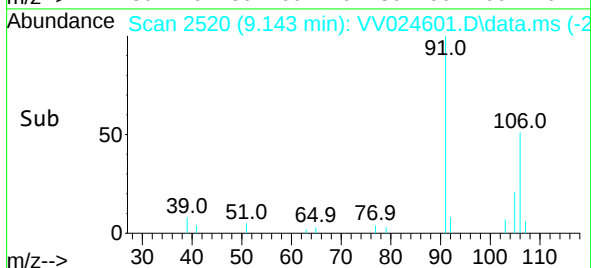
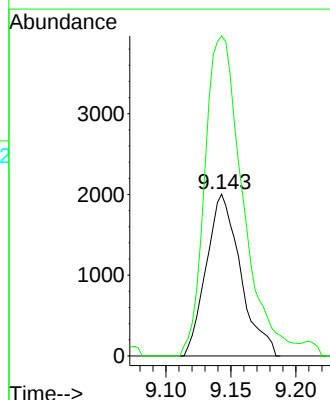
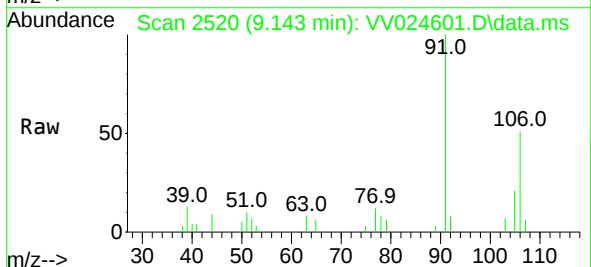
Instrument :
MSVOA_V
ClientSampleId :

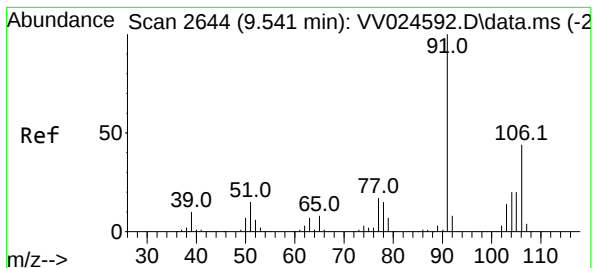
Tgt Ion: 91 Resp: 3801
Ion Ratio Lower Upper
91 100
106 26.9 22.0 41.0



#53
m,p-xylene
Concen: 0.174 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.006 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

Tgt Ion: 106 Resp: 3662
Ion Ratio Lower Upper
106 100
91 197.8 139.5 259.1





#54

o-xylene

Concen: 0.100 ug/L

RT: 9.545 min Scan# 2

Delta R.T. 0.003 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

Instrument :

MSVOA_V

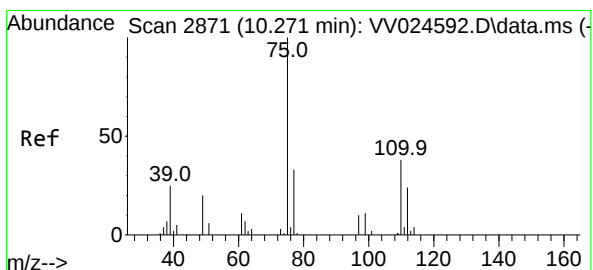
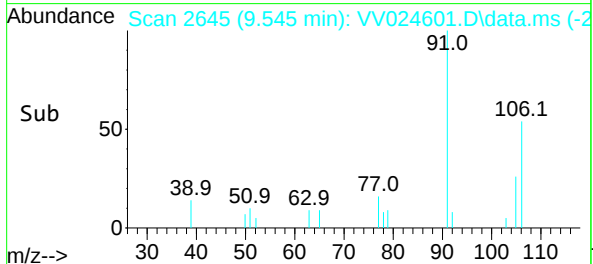
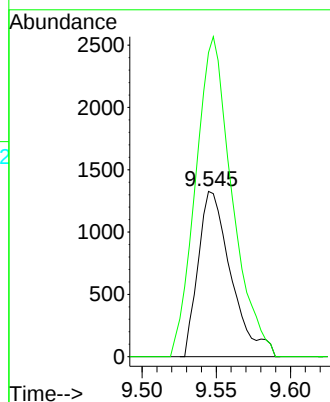
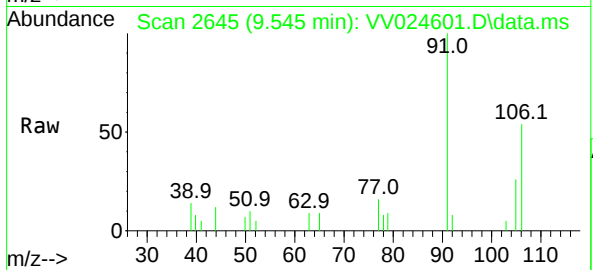
ClientSampleId :

Tgt Ion:106 Resp: 2036

Ion Ratio Lower Upper

106 100

91 183.9 147.9 274.7



#61

1,2,3-Trichloropropane

Concen: 1.468 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV024601.D

Acq: 11 Feb 2022 14:04

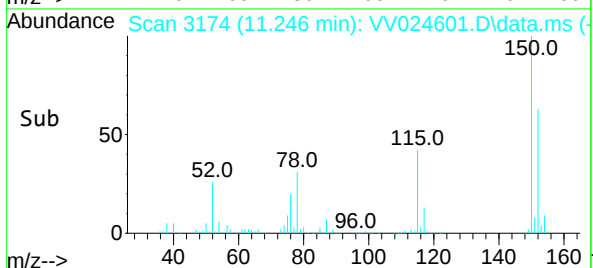
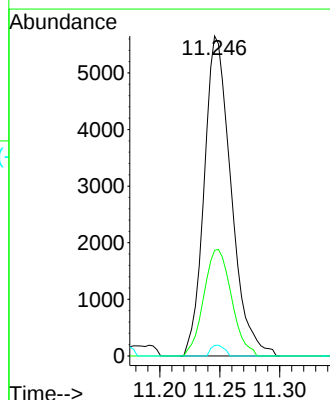
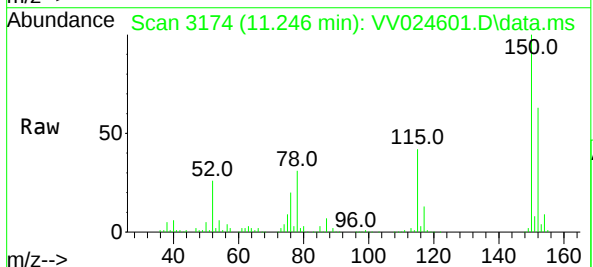
Tgt Ion: 75 Resp: 8819

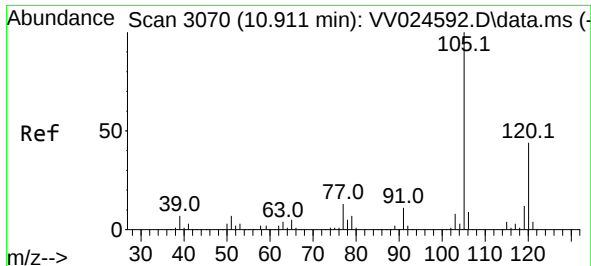
Ion Ratio Lower Upper

75 100

77 34.3 26.4 39.6

110 1.7 34.2 51.2#

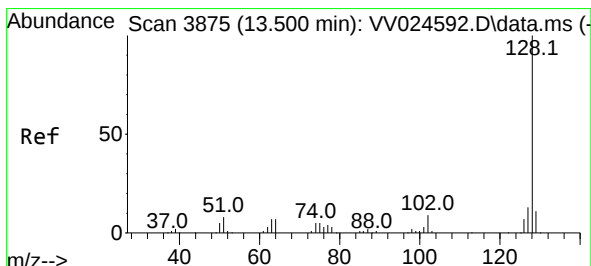
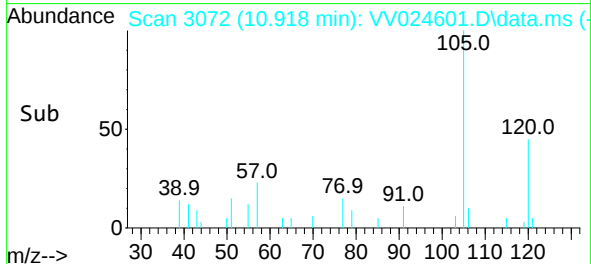
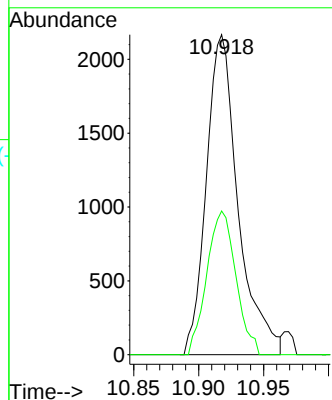
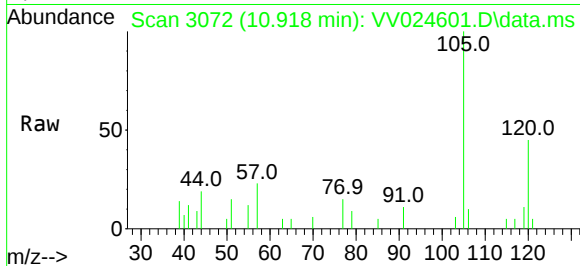




#63
1,2,4-Trimethylbenzene
Concen: 0.078 ug/L
RT: 10.918 min Scan# 3070
Delta R.T. 0.007 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion:105 Resp: 3685
Ion Ratio Lower Upper
105 100
120 41.1 36.7 55.1



#71
Naphthalene
Concen: 0.055 ug/L
RT: 13.512 min Scan# 3879
Delta R.T. 0.013 min
Lab File: VV024601.D
Acq: 11 Feb 2022 14:04

Tgt Ion:128 Resp: 1287
Ion Ratio Lower Upper
128 100
129 3.4 9.0 13.4#
127 6.5 10.2 15.4#

