

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021422\
 Data File : VW024658.D
 Acq On : 14 Feb 2022 17:59
 Operator : SY/MD
 Sample : N1475-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Feb 15 06:29:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 15 06:26:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.648	114	42	5.000	ug/L	# 0.03
28) Chlorobenzene-d5	8.863	117	855	5.000	ug/L	# 0.01
58) 1,4-Dichlorobenzene-d4	11.258	152	1145	5.000	ug/L	0.01
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.111	65	42	11.930	ug/L	-0.20
Spiked Amount	5.000	Range	40 - 130	Recovery	=	238.600%#
7) Chloroethane-d5	0.000	69	0	0.000	ug/L	
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.000%#
11) 1,1-Dichloroethene-d2	2.111	63	176	22.855	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	457.000%#
20) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.000%#
24) Chloroform-d	0.000	84	0	0.000	ug/L	
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.000%#
26) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/L	
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.000%#
32) Benzene-d6	5.072	84	195	0.804	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	=	16.000%#
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.000%#
41) Toluene-d8	7.336	98	652	2.882	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	57.600%#
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.000%#
46) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount	50.000	Range	45 - 130	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	0.000	84	0	0.000	ug/L	
Spiked Amount	5.000	Range	65 - 120	Recovery	=	0.000%#
66) 1,2-Dichlorobenzene-d4	11.628	152	717	3.885	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.246	50	371	68.318	ug/L	94
13) Acetone	2.188	43	2272	4926.071	ug/L	99
14) Carbon disulfide	2.301	76	1319	95.432	ug/L	# 74
15) Methyl Acetate	2.355	43	211	159.973	ug/L	# 50
16) Methylene chloride	2.513	84	632	146.695	ug/L	88
21) 2-Butanone	4.233	43	158	206.702	ug/L	# 54
25) Chloroform	4.384	83	2122	274.779	ug/L	82
33) Benzene	5.120	78	115	0.345	ug/L	100
37) 1,2-Dichloropropane	6.178	63	4768	58.951	ug/L	# 86
40) 4-Methyl-2-pentanone	7.387	43	14305	342.729	ug/L	# 45
42) Toluene	7.387	91	2068333	5689.886	ug/L	99
44) trans-1,3-Dichloropropene	7.384	75	14262	140.086	ug/L	# 1
52) Ethylbenzene	9.021	91	5229	12.928	ug/L	99
53) m,p-xylene	9.140	106	6533	42.643	ug/L	93
54) o-xylene	9.548	106	1856	12.564	ug/L	84
55) Styrene	9.570	104	3201	13.199	ug/L	91
60) Isopropylbenzene	9.551	105	1099	1.058	ug/L	# 34
61) 1,2,3-Trichloropropane	9.561	75	108	0.957	ug/L	# 1
62) 1,3,5-Trimethylbenzene	10.545	105	332	0.373	ug/L	# 84

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV021422\
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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR020922WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 15 06:26:19 2022
Response via : Initial Calibration

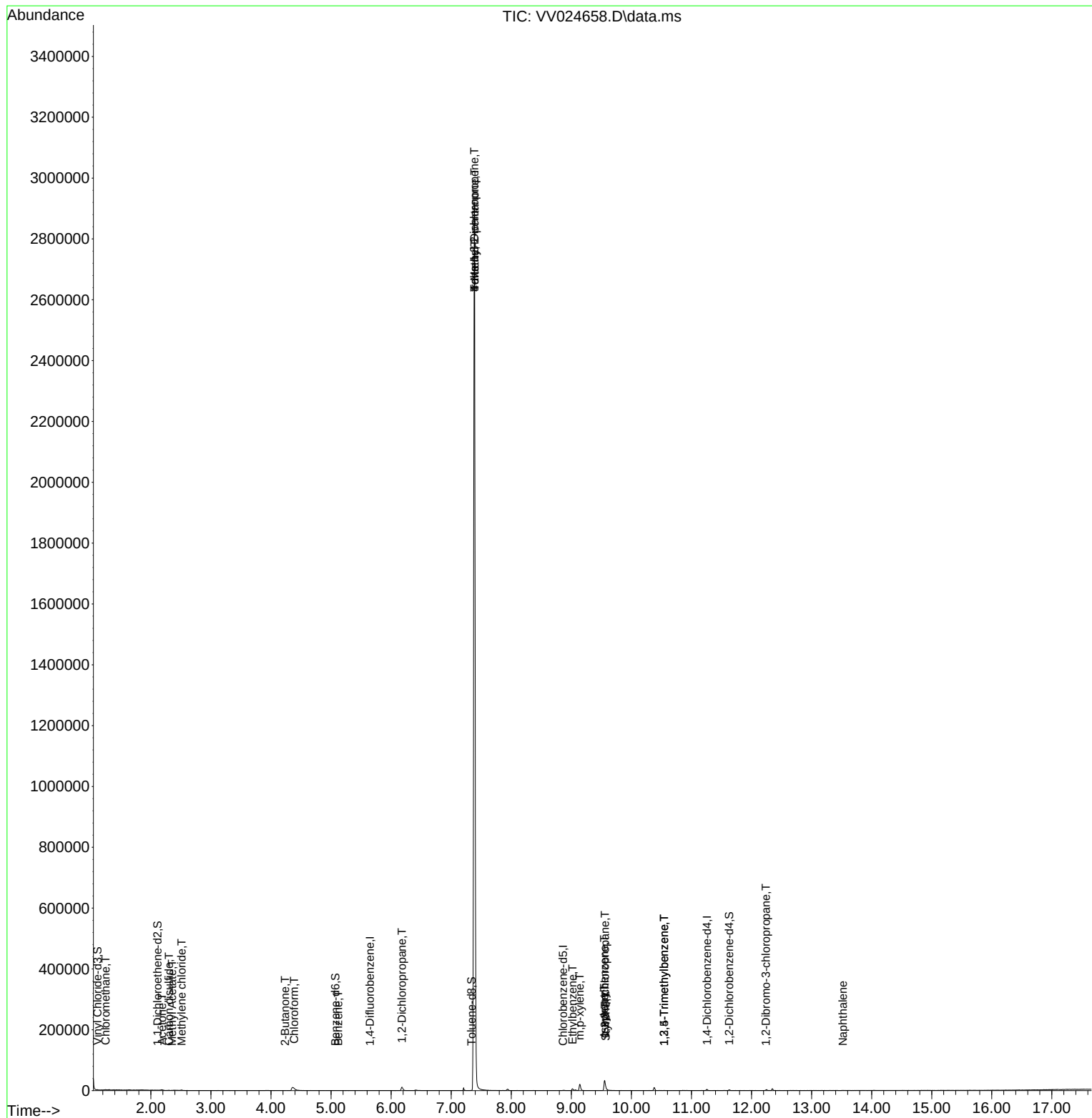
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.545	105	332	0.376	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.239	75	46	2.098	ug/L #	1
71) Naphthalene	13.522	128	393	0.893	ug/L #	69

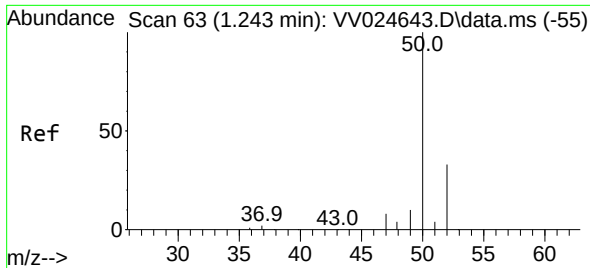
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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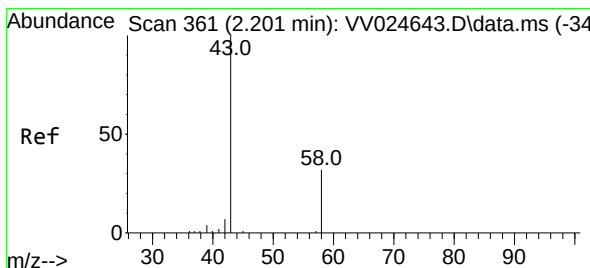
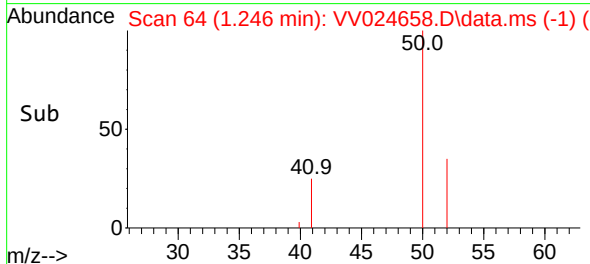
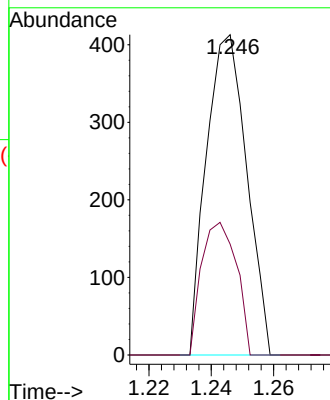
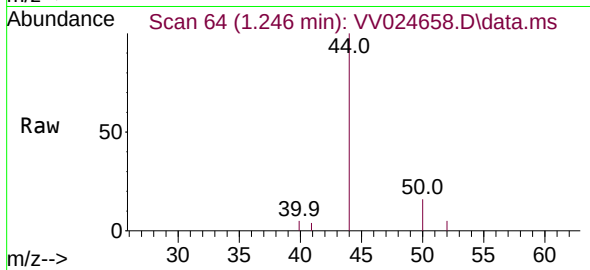




#3
Chloromethane
Concen: 68.318 ug/L
RT: 1.246 min Scan# 64
Delta R.T. 0.003 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

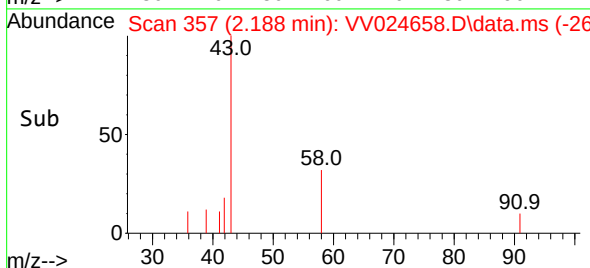
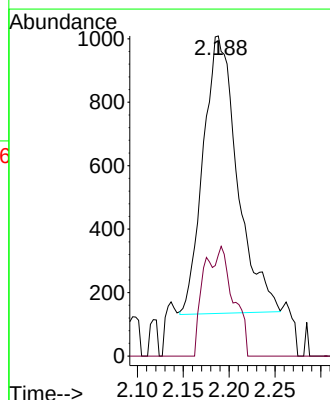
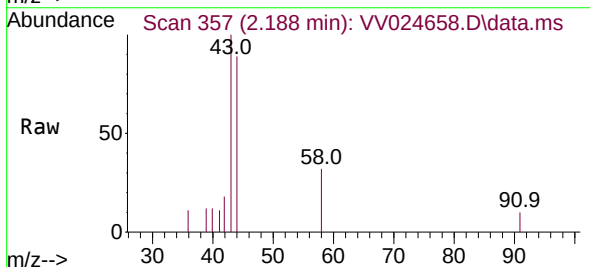
Instrument :
MSVOA_V
ClientSampleId :

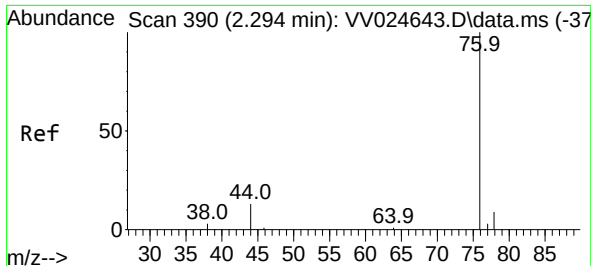
Tgt Ion: 50 Resp: 371
Ion Ratio Lower Upper
50 100
52 34.6 22.0 41.0



#13
Acetone
Concen: 4926.071 ug/L
RT: 2.188 min Scan# 357
Delta R.T. -0.013 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 43 Resp: 2272
Ion Ratio Lower Upper
43 100
58 21.1 0.0 41.4

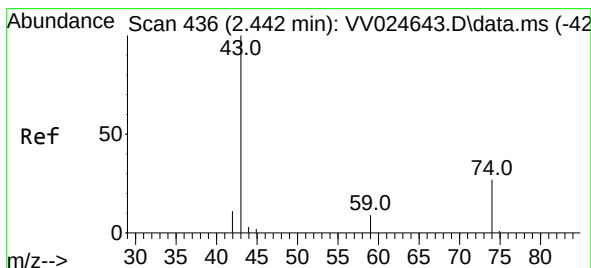
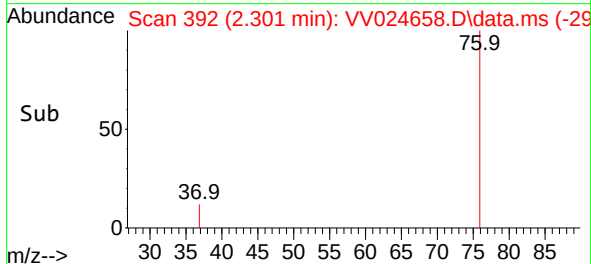
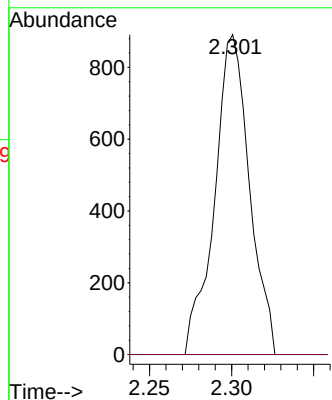
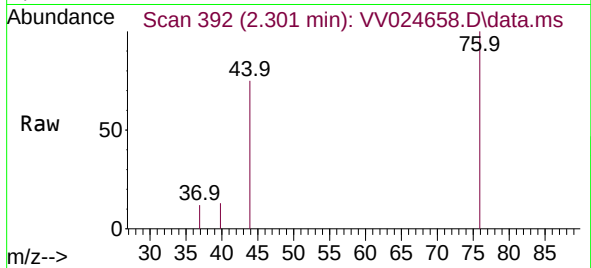




#14
Carbon disulfide
Concen: 95.432 ug/L
RT: 2.301 min Scan# 390
Delta R.T. 0.006 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

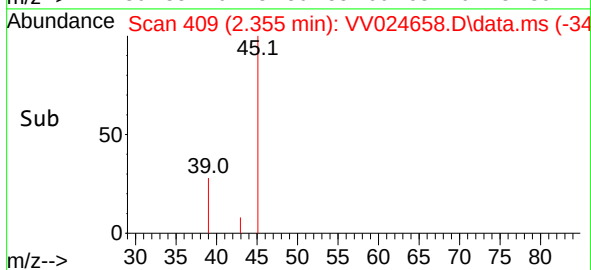
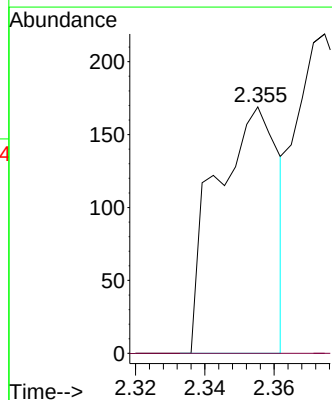
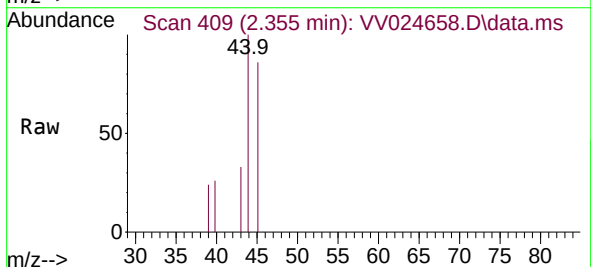
Instrument :
MSVOA_V
ClientSampleId :

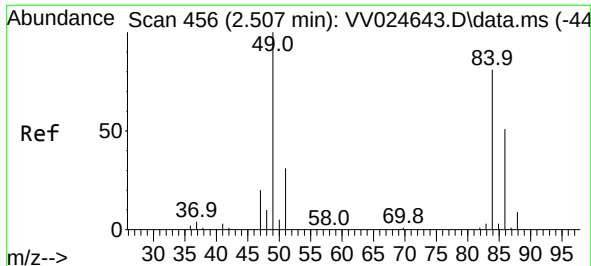
Tgt Ion: 76 Resp: 1319
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#15
Methyl Acetate
Concen: 159.973 ug/L
RT: 2.355 min Scan# 409
Delta R.T. -0.087 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#





#16

Methylene chloride

Concen: 146.695 ug/L

RT: 2.513 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_V

ClientSampleId :

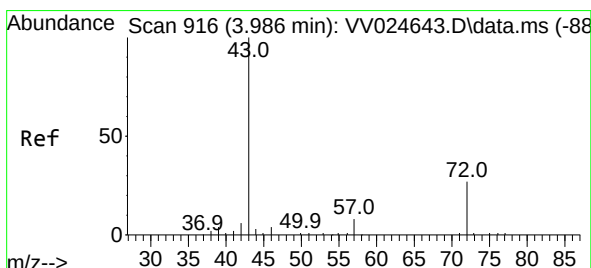
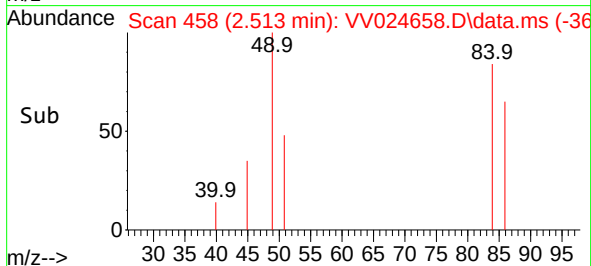
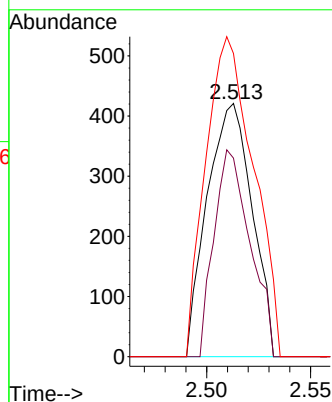
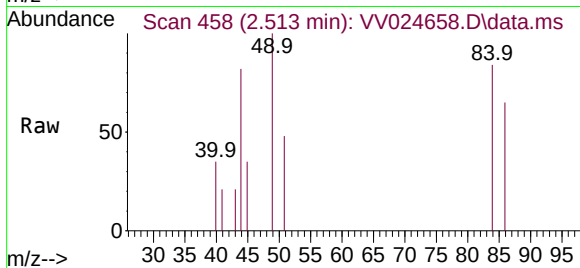
Tgt Ion: 84 Resp: 632

Ion Ratio Lower Upper

84 100

86 78.4 42.6 79.0

49 119.7 79.7 147.9



#21

2-Butanone

Concen: 206.702 ug/L

RT: 4.233 min Scan# 993

Delta R.T. 0.247 min

Lab File: VV024658.D

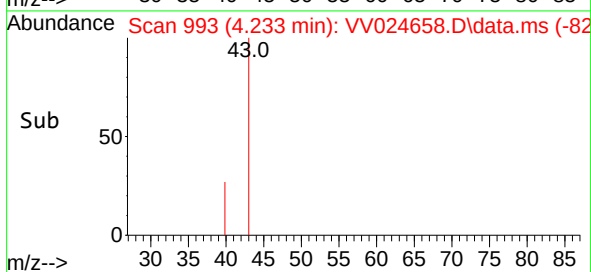
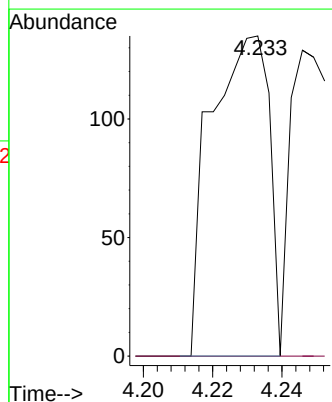
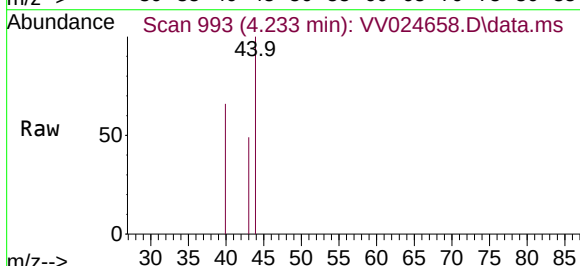
Acq: 14 Feb 2022 17:59

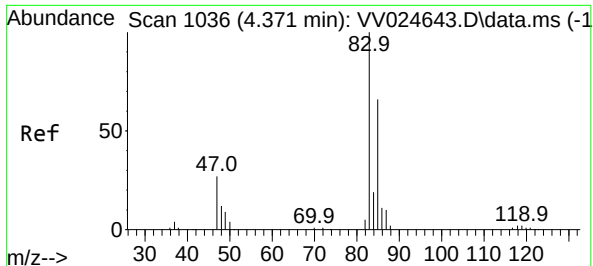
Tgt Ion: 43 Resp: 158

Ion Ratio Lower Upper

43 100

72 0.0 11.1 33.1#





#25

Chloroform

Concen: 274.779 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_V

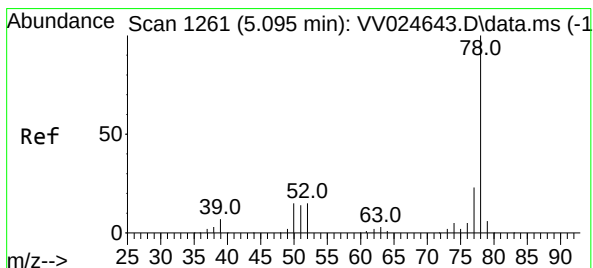
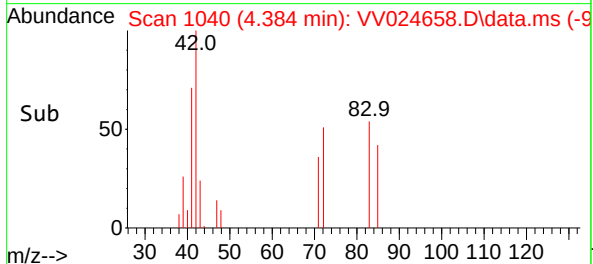
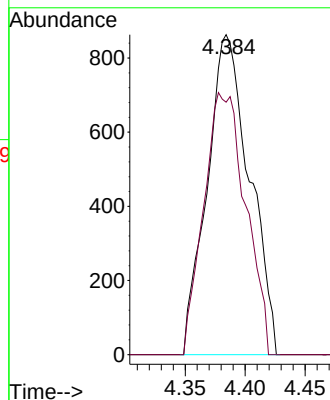
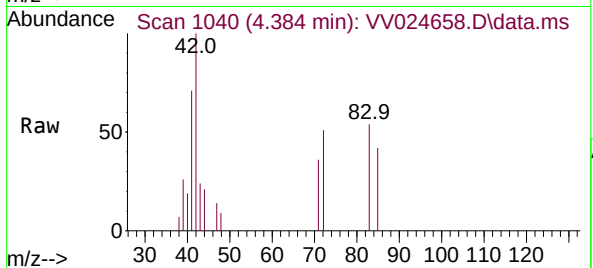
ClientSampleId :

Tgt Ion: 83 Resp: 2122

Ion Ratio Lower Upper

83 100

85 78.9 45.2 84.0



#33

Benzene

Concen: 0.345 ug/L

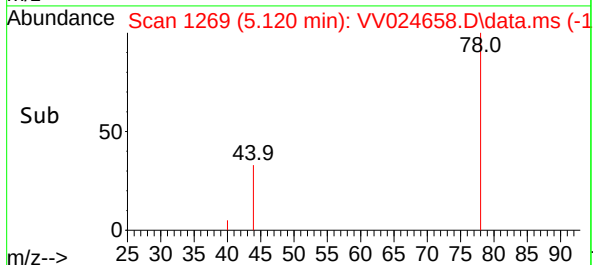
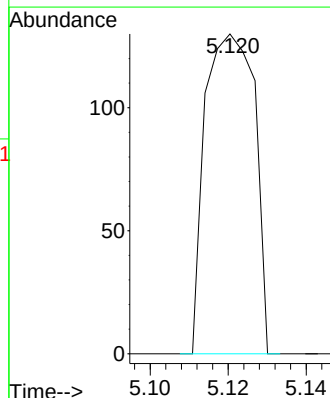
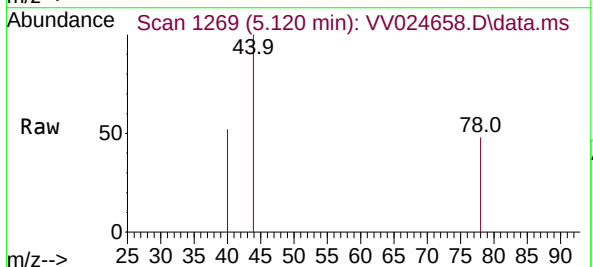
RT: 5.120 min Scan# 1269

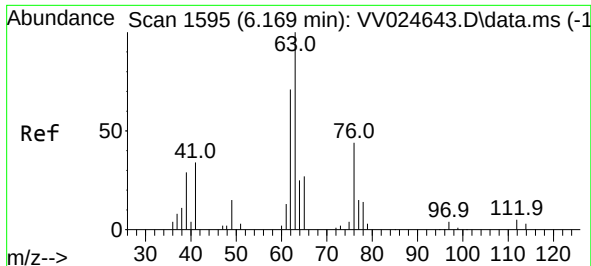
Delta R.T. 0.026 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

Tgt Ion: 78 Resp: 115





#37

1,2-Dichloropropane

Concen: 58.951 ug/L

RT: 6.178 min Scan# 11

Delta R.T. 0.009 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_V

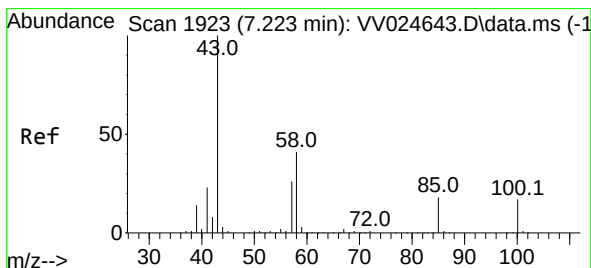
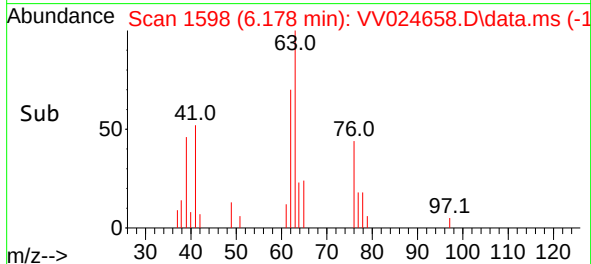
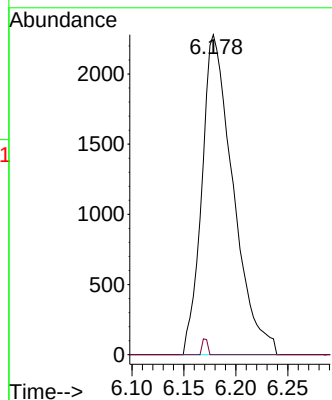
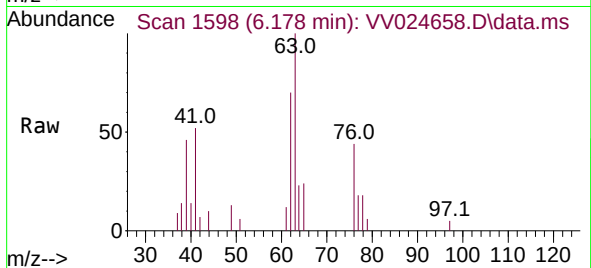
ClientSampleId :

Tgt Ion: 63 Resp: 4768

Ion Ratio Lower Upper

63 100

112 0.9 4.3 6.5#



#40

4-Methyl-2-pentanone

Concen: 342.729 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.164 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

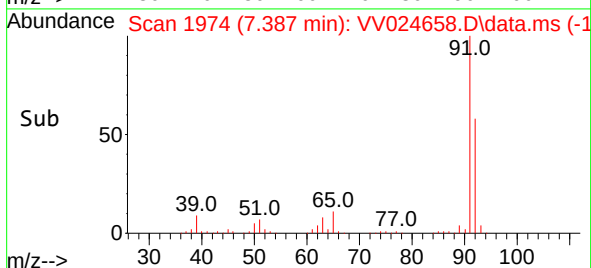
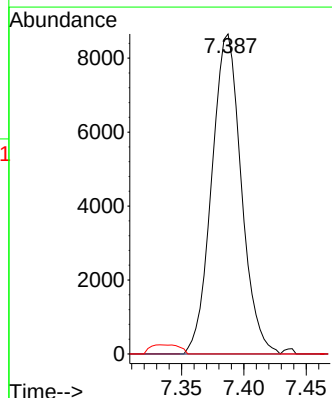
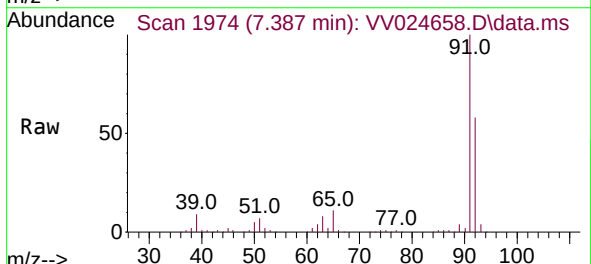
Tgt Ion: 43 Resp: 14305

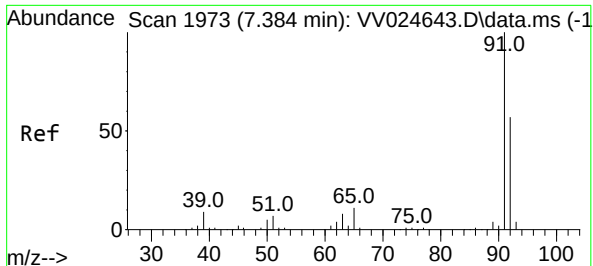
Ion Ratio Lower Upper

43 100

58 0.0 32.3 48.5#

100 2.9 13.0 19.6#





#42

Toluene

Concen: 5689.886 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

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MSVOA_V

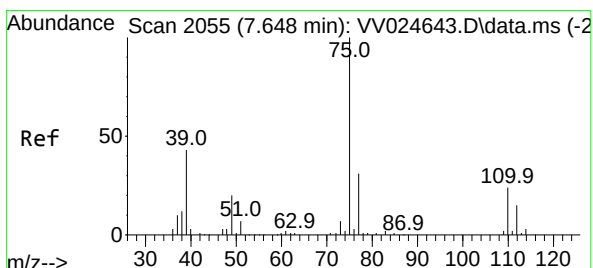
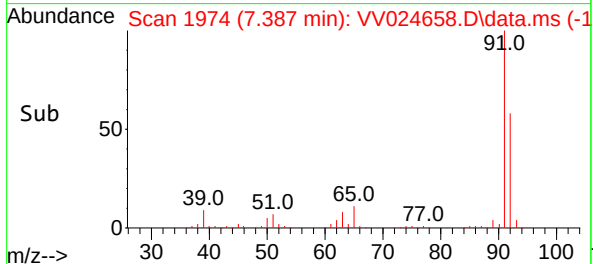
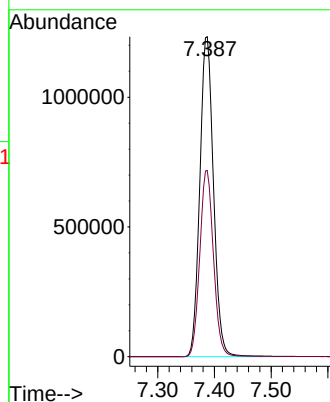
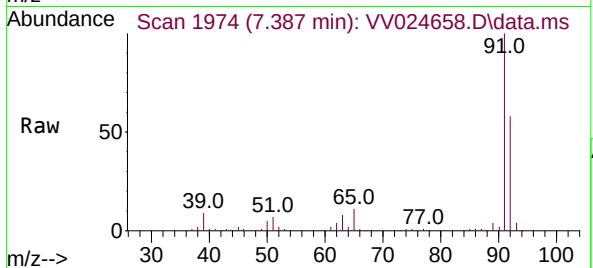
ClientSampleId :

Tgt Ion: 91 Resp: 2068333

Ion Ratio Lower Upper

91 100

92 58.2 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 140.086 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. -0.264 min

Lab File: VV024658.D

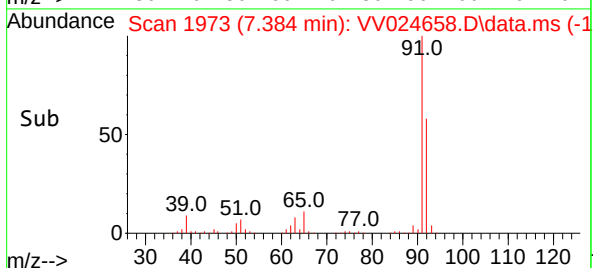
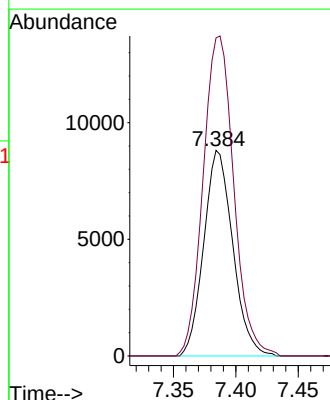
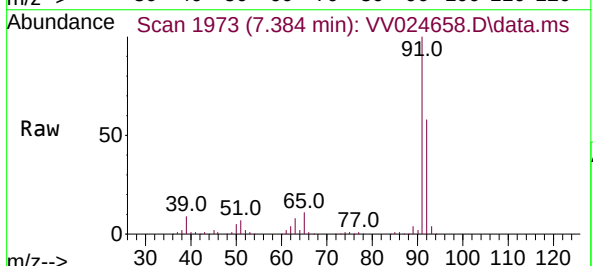
Acq: 14 Feb 2022 17:59

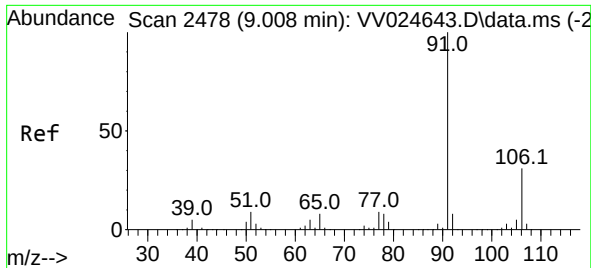
Tgt Ion: 75 Resp: 14262

Ion Ratio Lower Upper

75 100

77 154.7 21.8 40.4#

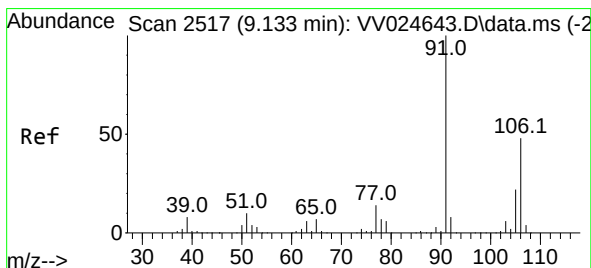
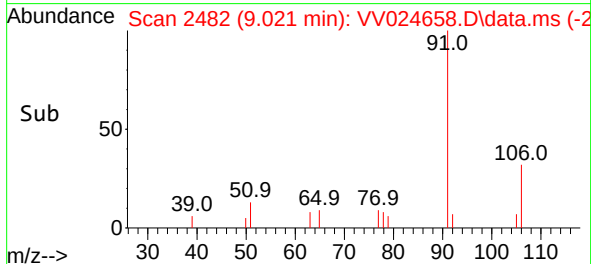
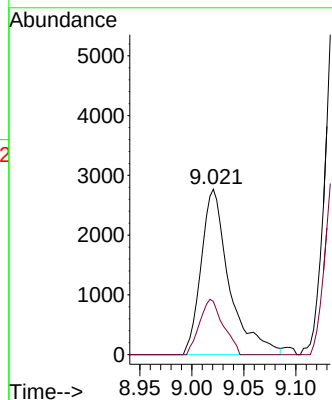
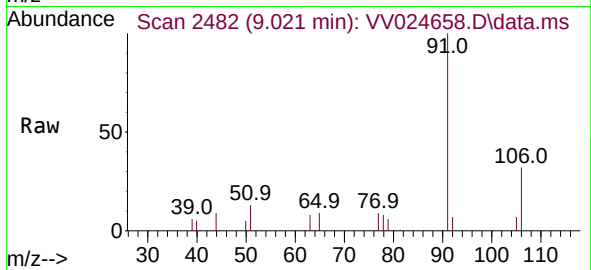




#52
Ethylbenzene
Concen: 12.928 ug/L
RT: 9.021 min Scan# 2478
Delta R.T. 0.013 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

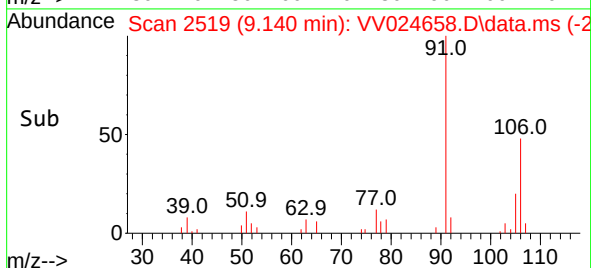
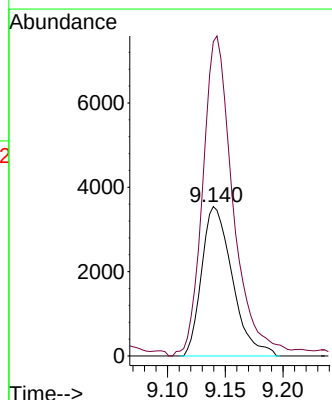
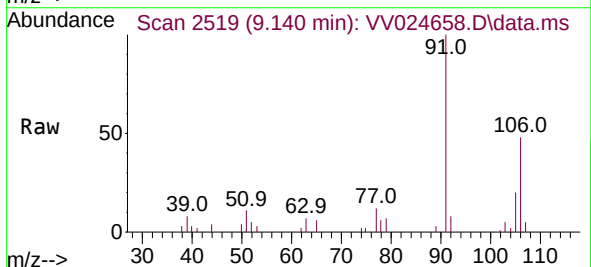
Instrument :
MSVOA_V
ClientSampleId :

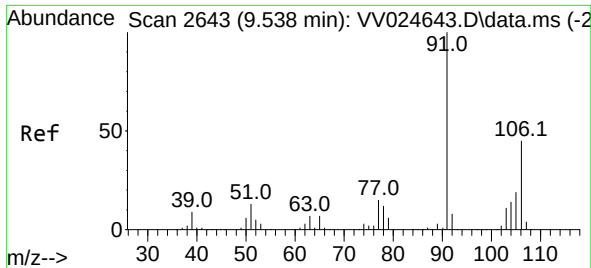
Tgt Ion: 91 Resp: 5229
Ion Ratio Lower Upper
91 100
106 32.2 22.0 41.0



#53
m,p-xylene
Concen: 42.643 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.006 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 106 Resp: 6533
Ion Ratio Lower Upper
106 100
91 210.5 139.5 259.1

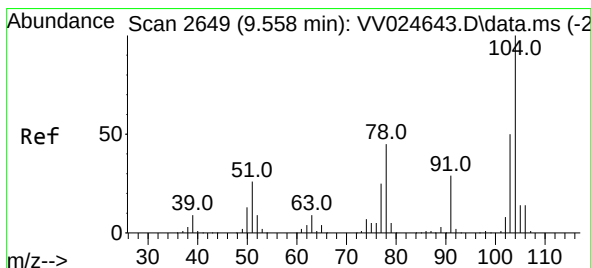
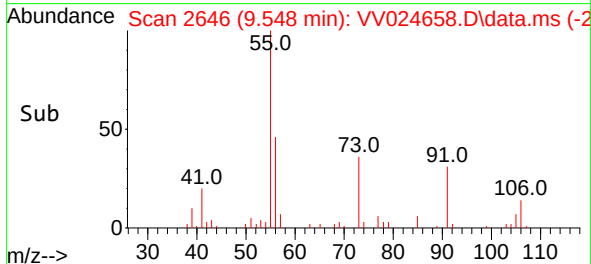
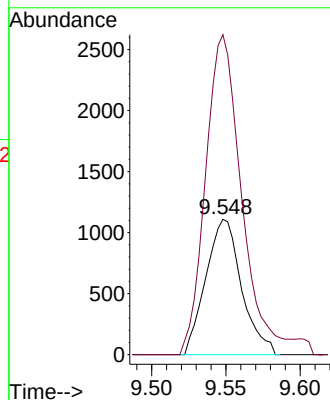
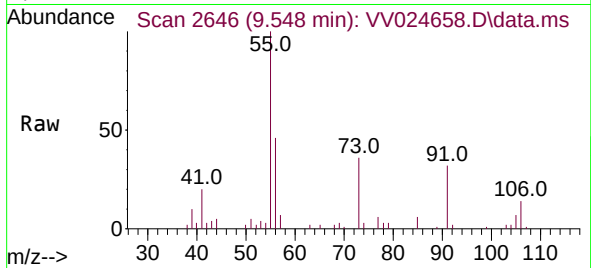




#54
o-xylene
Concen: 12.564 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.009 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

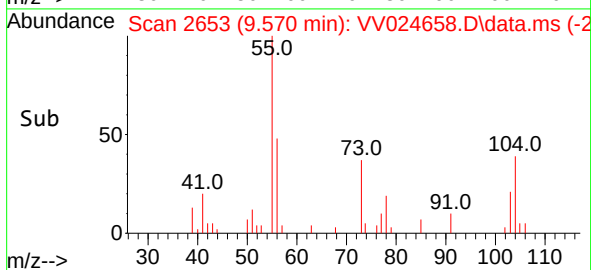
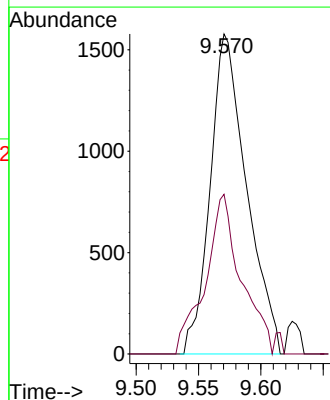
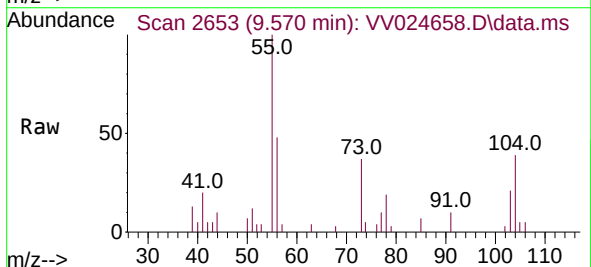
Instrument :
MSVOA_V
ClientSampleId :

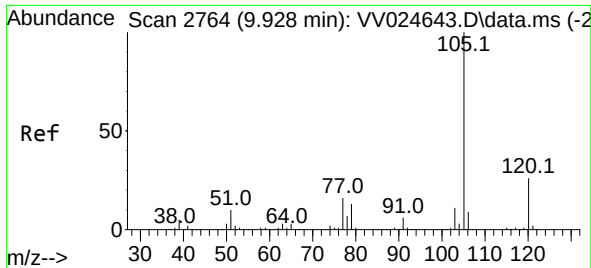
Tgt Ion:106 Resp: 1856
Ion Ratio Lower Upper
106 100
91 236.4 147.9 274.7



#55
Styrene
Concen: 13.199 ug/L
RT: 9.570 min Scan# 2653
Delta R.T. 0.013 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

Tgt Ion:104 Resp: 3201
Ion Ratio Lower Upper
104 100
78 49.9 31.0 57.6

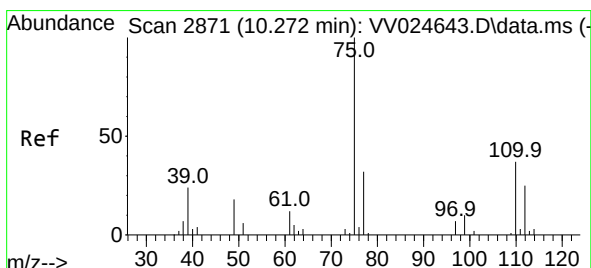
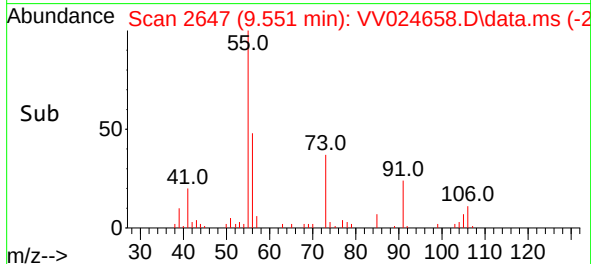
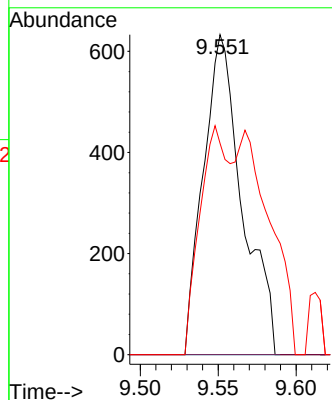
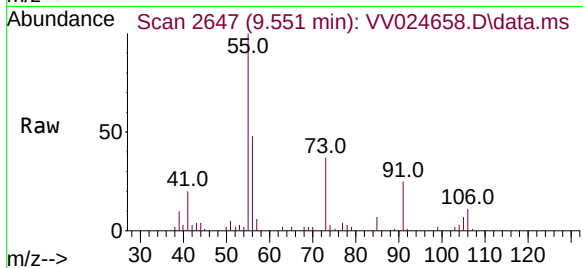




#60
Isopropylbenzene
Concen: 1.058 ug/L
RT: 9.551 min Scan# 2647
Delta R.T. -0.376 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

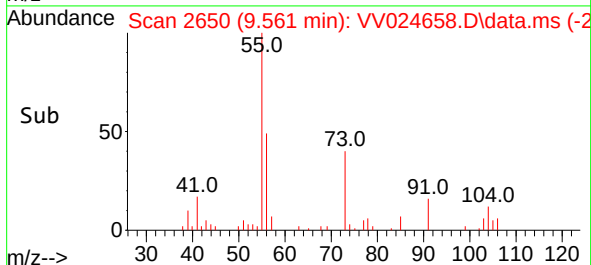
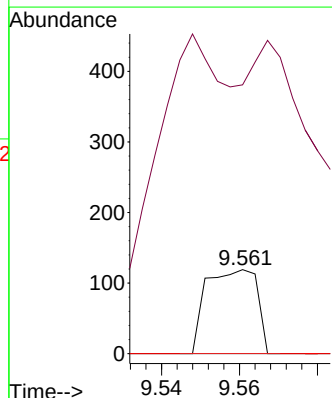
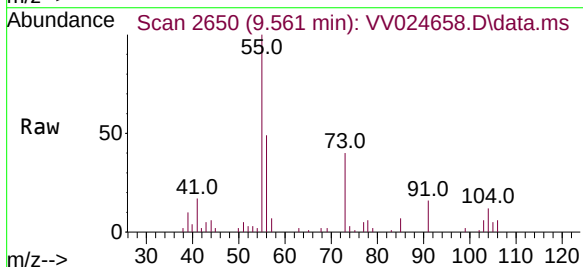
Instrument :
MSVOA_V
ClientSampleId :

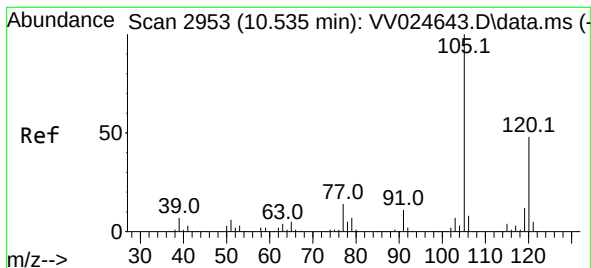
Tgt Ion:105 Resp: 1099
Ion Ratio Lower Upper
105 100
120 0.0 21.4 32.0#
77 52.9 12.2 18.4#



#61
1,2,3-Trichloropropane
Concen: 0.957 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. -0.711 min
Lab File: VV024658.D
Acq: 14 Feb 2022 17:59

Tgt Ion: 75 Resp: 108
Ion Ratio Lower Upper
75 100
77 584.3 26.4 39.6#
110 0.0 34.2 51.2#





#62

1,3,5-Trimethylbenzene

Concen: 0.373 ug/L

RT: 10.545 min Scan# 2956

Delta R.T. 0.009 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

Instrument :

MSVOA_V

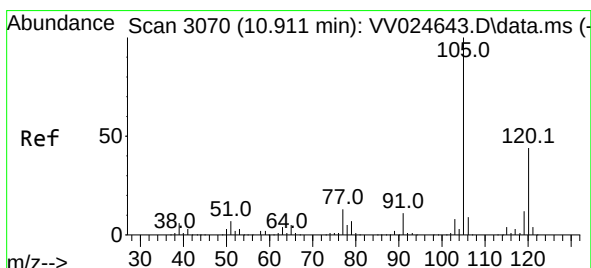
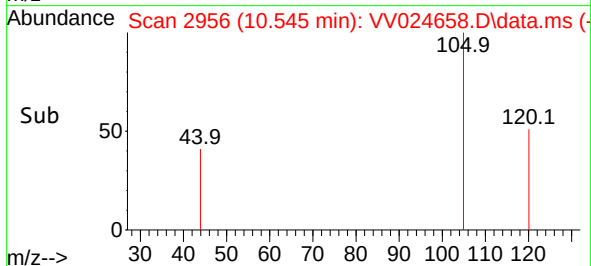
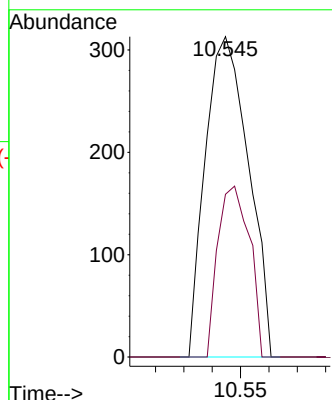
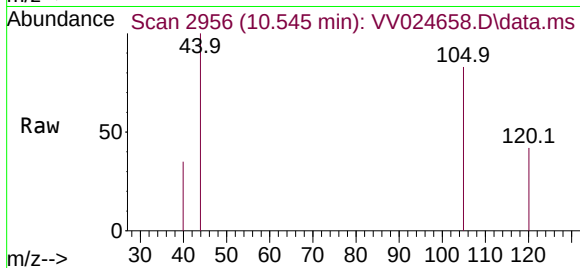
ClientSampleId :

Tgt Ion:105 Resp: 332

Ion Ratio Lower Upper

105 100

120 39.2 40.1 60.1#



#63

1,2,4-Trimethylbenzene

Concen: 0.376 ug/L

RT: 10.545 min Scan# 2956

Delta R.T. -0.367 min

Lab File: VV024658.D

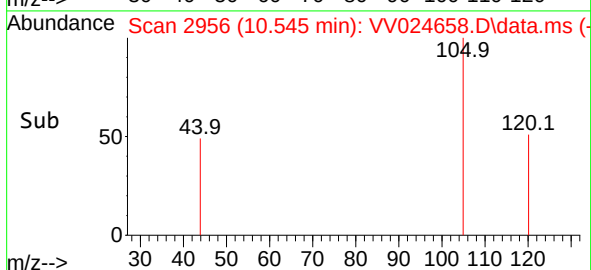
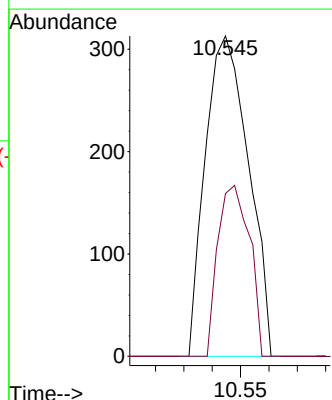
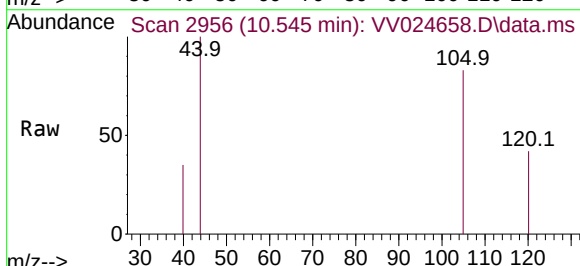
Acq: 14 Feb 2022 17:59

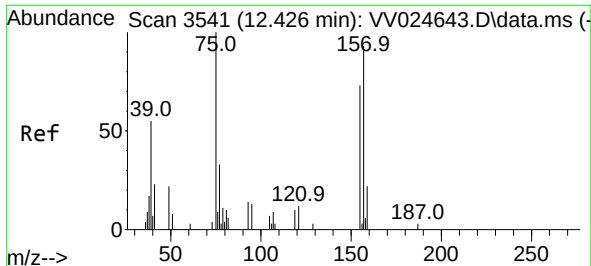
Tgt Ion:105 Resp: 332

Ion Ratio Lower Upper

105 100

120 39.2 36.7 55.1





#68

1,2-Dibromo-3-chloropropane

Concen: 2.098 ug/L

RT: 12.239 min Scan# 34

Delta R.T. -0.187 min

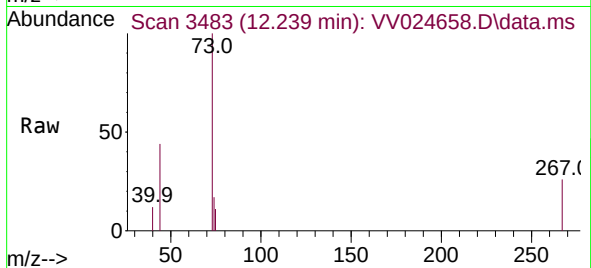
Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

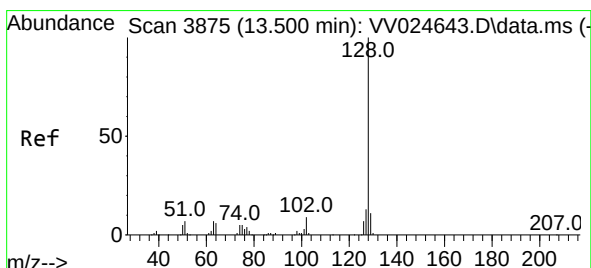
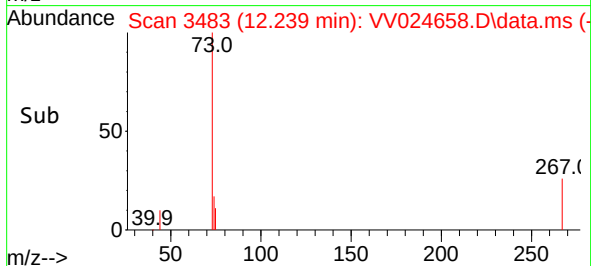
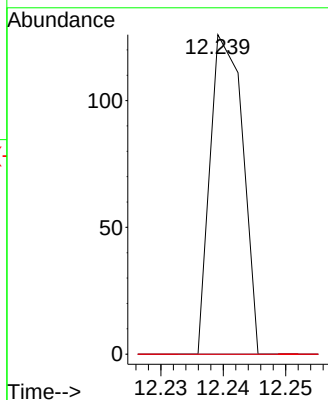
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75	Resp:	46
Ion Ratio	Lower	Upper
75	100	
155	0.0	71.7 107.5#
157	0.0	103.3 154.9#



#71

Naphthalene

Concen: 0.893 ug/L

RT: 13.522 min Scan# 3882

Delta R.T. 0.022 min

Lab File: VV024658.D

Acq: 14 Feb 2022 17:59

Tgt Ion: 128	Resp:	393
Ion Ratio	Lower	Upper
128	100	
129	0.0	9.0 13.4#
127	0.0	10.2 15.4#

