

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071222\
 Data File : VW026726.D
 Acq On : 12 Jul 2022 14:57
 Operator : SY/MD
 Sample : N3601-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBUB5

Quant Time: Jul 13 03:02:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR071122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 13 02:57:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	195847	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	196773	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	111000	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	93779	5.249	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.000%
7) Chloroethane-d5	1.561	69	84995	5.506	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.200%
11) 1,1-Dichloroethene-d2	2.098	63	133939	3.905	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.000%
20) 2-Butanone-d5	3.921	46	147152	52.770	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.540%
24) Chloroform-d	4.342	84	169369	5.421	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.400%
26) 1,2-Dichloroethane-d4	5.030	65	76818	5.628	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.600%
32) Benzene-d6	5.040	84	306957	5.134	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
36) 1,2-Dichloropropane-d6	6.069	67	104476	5.828	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.600%
41) Toluene-d8	7.313	98	237366	4.472	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	7.625	79	28199	4.808	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.095	63	134657	53.026	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.060%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	75043	5.373	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	105421	5.451	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.000%
Target Compounds						
					Qvalue	
14) Carbon disulfide	2.281	76	163358	3.229	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	11716	0.736	ug/L	98
30) Cyclohexane	4.664	56	4222	0.187	ug/L	96
33) Benzene	5.091	78	460990	7.008	ug/L	100
34) Trichloroethene	5.915	95	21221	1.312	ug/L	98
35) Methylcyclohexane	6.124	83	14607	0.592	ug/L #	87
42) Toluene	7.390	91	24028	0.362	ug/L	98
47) Tetrachloroethene	7.972	164	26425	2.084	ug/L	98
51) Chlorobenzene	8.879	112	611851	14.565	ug/L	99
52) Ethylbenzene	9.011	91	64104	0.975	ug/L	98
53) m,p-Xylene	9.136	106	37949	1.484	ug/L	99
54) o-Xylene	9.545	106	25067	1.032	ug/L	97
60) Isopropylbenzene	9.931	105	27857	0.402	ug/L #	86
62) 1,3,5-Trimethylbenzene	10.538	105	98265	1.784	ug/L	99
63) 1,2,4-Trimethylbenzene	10.914	105	200724	3.589	ug/L	99
65) 1,4-Dichlorobenzene	11.271	146	186050	5.394	ug/L	98
67) 1,2-Dichlorobenzene	11.641	146	70880	2.238	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	5119	0.281	ug/L #	74

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 13 02:57:58 2022
Response via : Initial Calibration

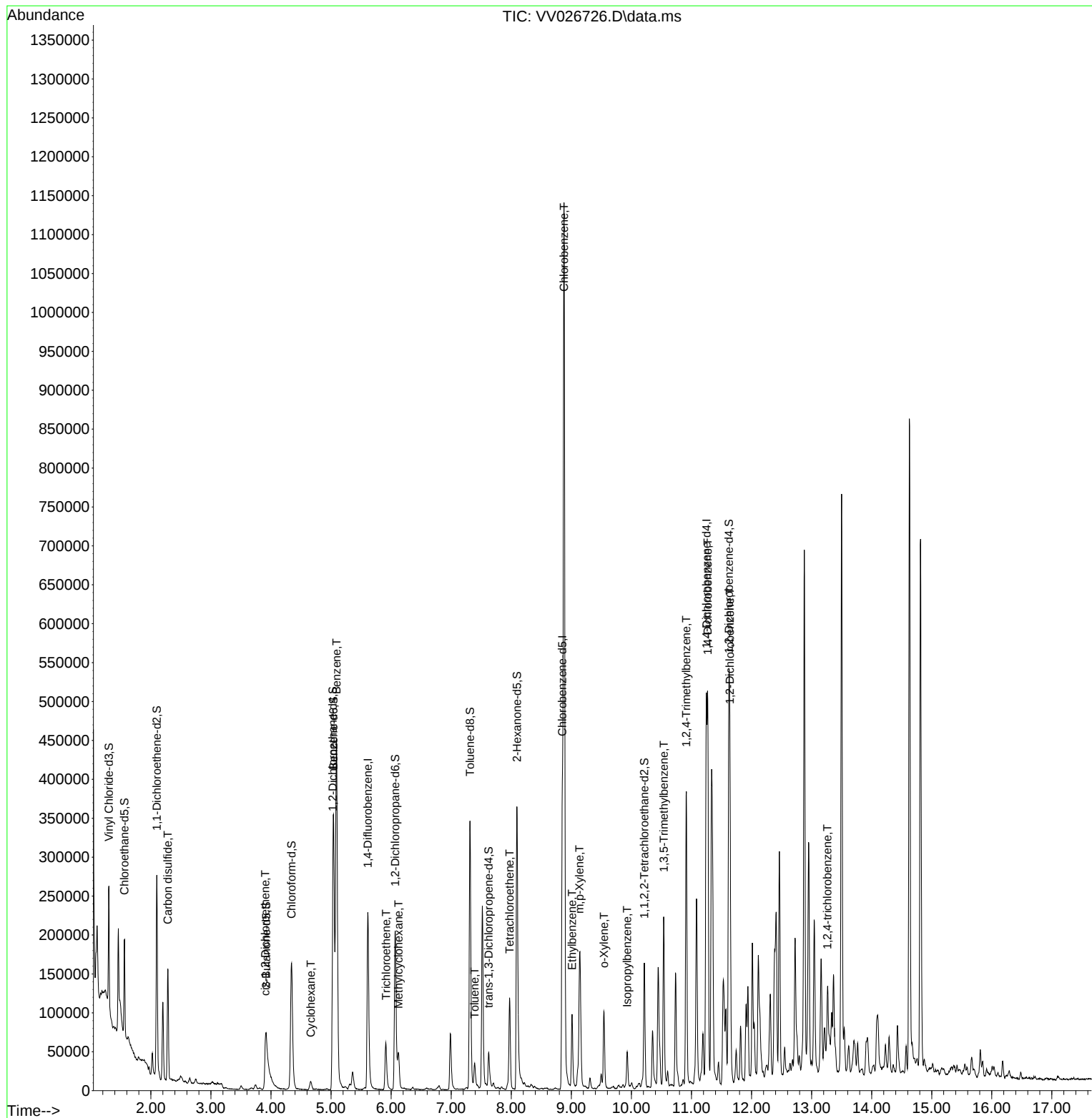
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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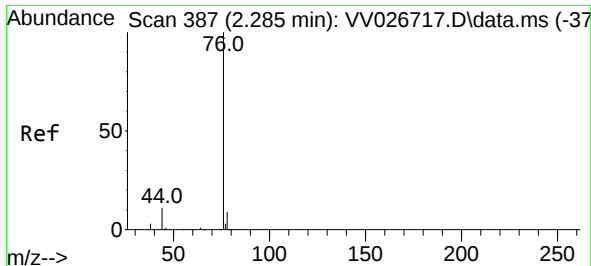
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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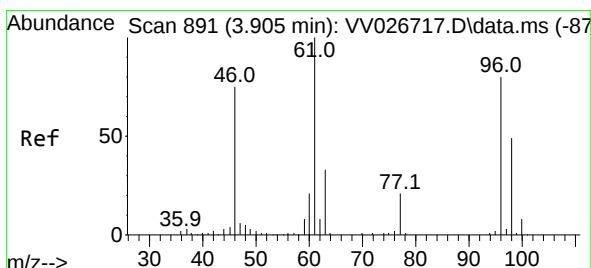
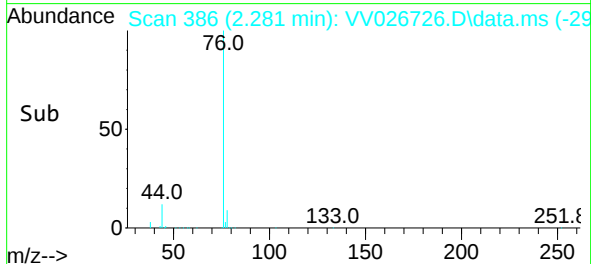
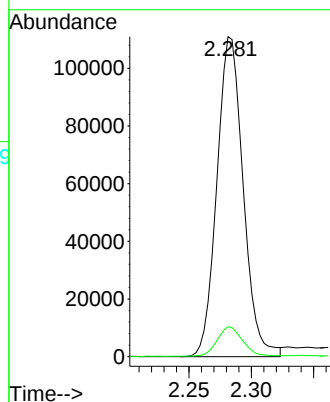
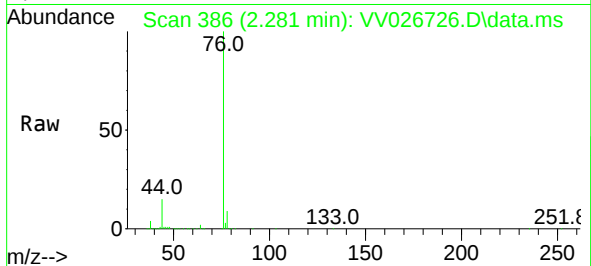




#14
Carbon disulfide
Concen: 3.229 ug/L
RT: 2.281 min Scan# 386
Delta R.T. -0.003 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

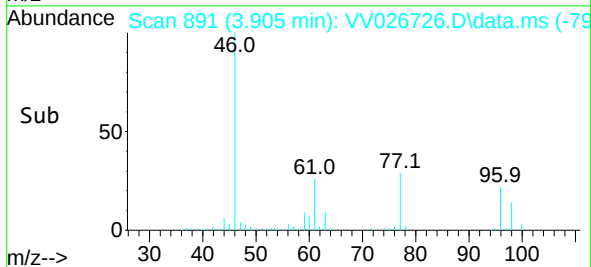
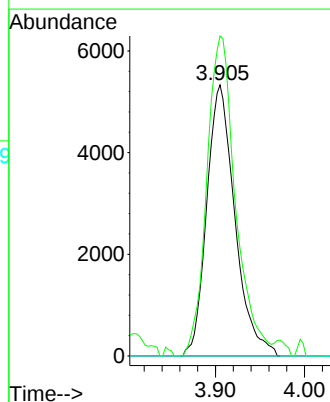
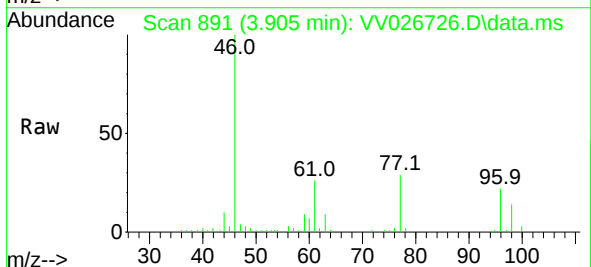
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

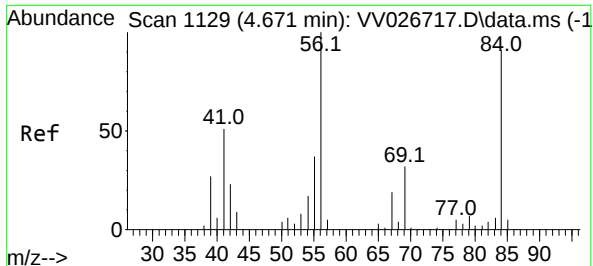
Tgt Ion: 76 Resp: 163358
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5



#22
cis-1,2-Dichloroethene
Concen: 0.736 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.000 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

Tgt Ion: 96 Resp: 11716
Ion Ratio Lower Upper
96 100
61 118.1 83.9 155.9
68 0.0 0.0 0.0





#30

Cyclohexane

Concen: 0.187 ug/L

RT: 4.664 min Scan# 1129

Delta R.T. -0.007 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

Instrument :

MSVOA_V

ClientSampleId :

DBUB5

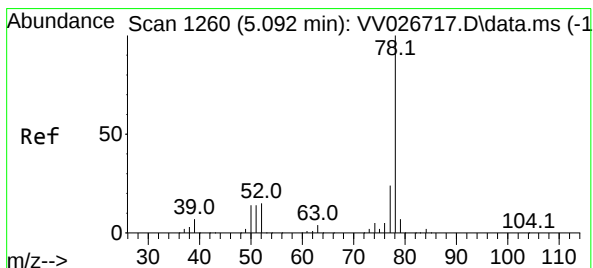
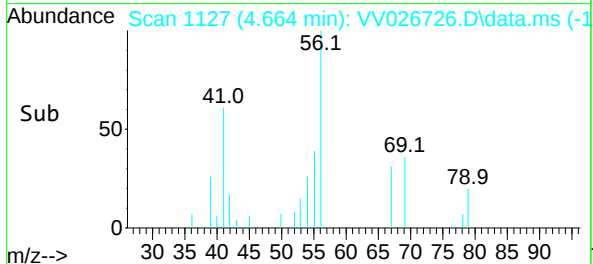
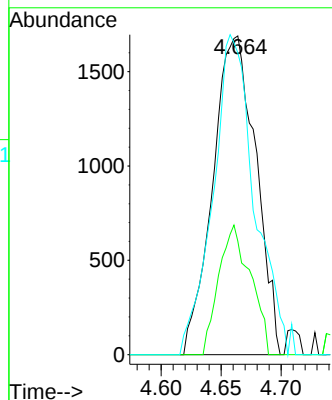
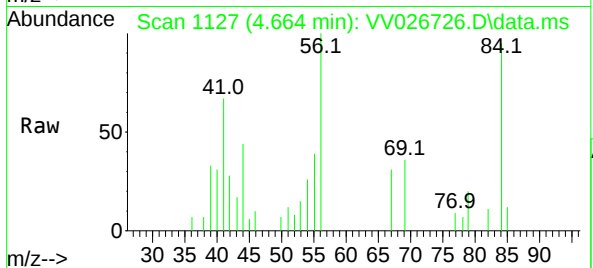
Tgt Ion: 56 Resp: 4222

Ion Ratio Lower Upper

56 100

69 30.0 25.1 37.7

84 97.2 74.0 111.0



#33

Benzene

Concen: 7.008 ug/L

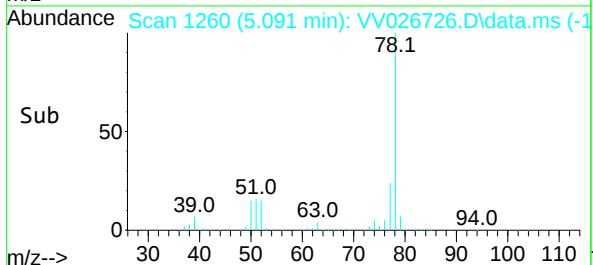
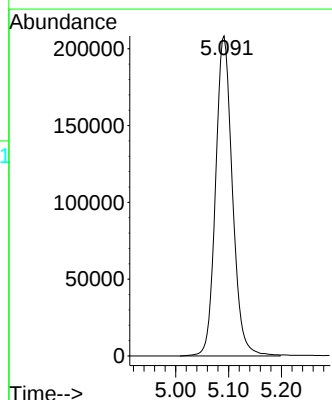
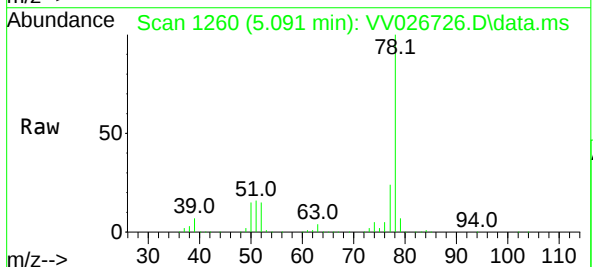
RT: 5.091 min Scan# 1260

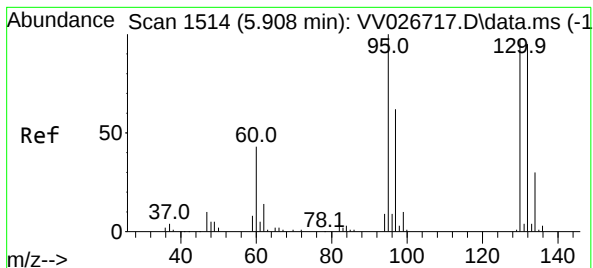
Delta R.T. -0.000 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

Tgt Ion: 78 Resp: 460990





#34

Trichloroethene

Concen: 1.312 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

Instrument :

MSVOA_V

ClientSampleId :

DBUB5

Tgt Ion: 95 Resp: 21221

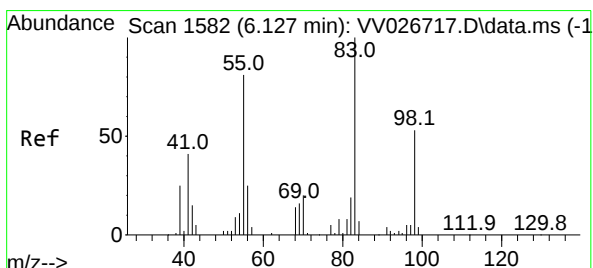
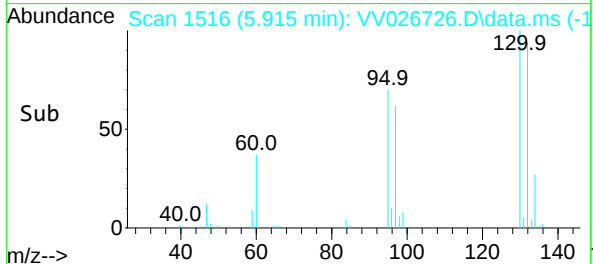
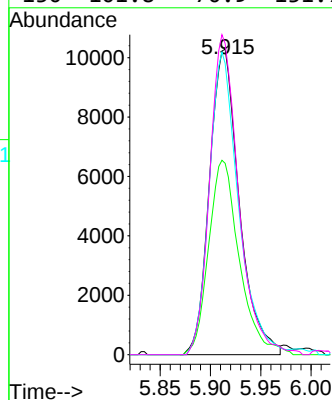
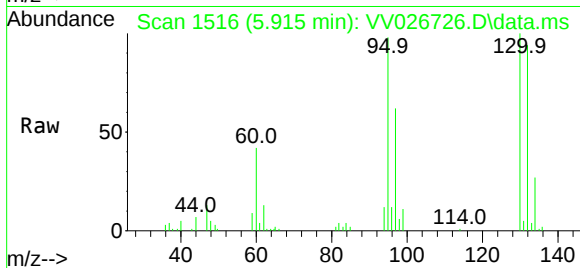
Ion Ratio Lower Upper

95 100

97 62.7 44.6 82.8

132 95.4 70.2 130.4

130 101.8 70.9 131.7



#35

Methylcyclohexane

Concen: 0.592 ug/L

RT: 6.124 min Scan# 1581

Delta R.T. -0.003 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

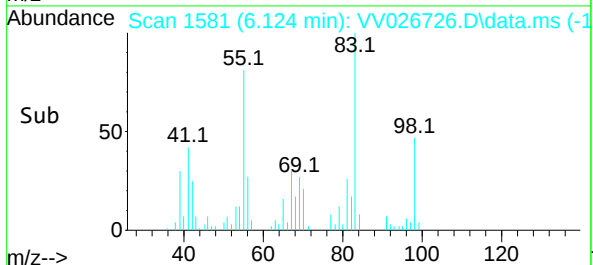
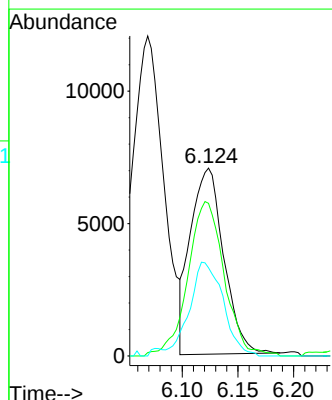
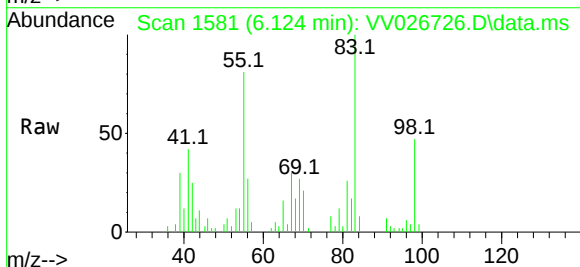
Tgt Ion: 83 Resp: 14607

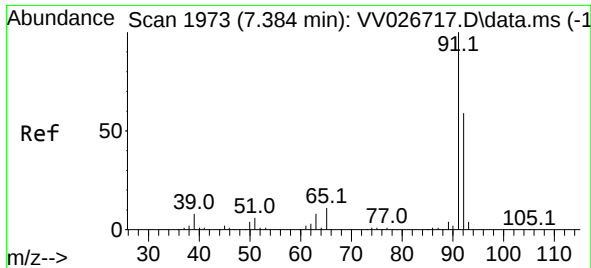
Ion Ratio Lower Upper

83 100

55 90.8 59.5 89.3#

98 50.7 38.3 57.5





#42

Toluene

Concen: 0.362 ug/L

RT: 7.390 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

Instrument :

MSVOA_V

ClientSampleId :

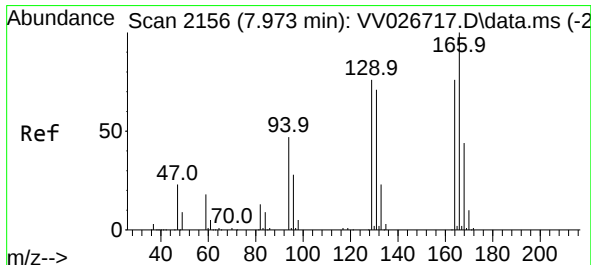
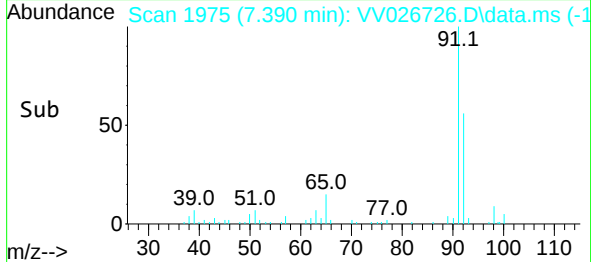
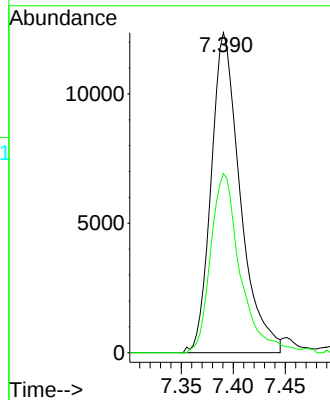
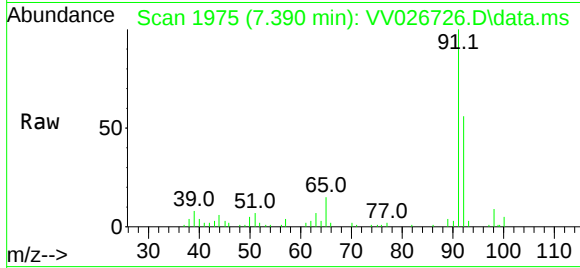
DBUB5

Tgt Ion: 91 Resp: 24028

Ion Ratio Lower Upper

91 100

92 55.9 40.2 74.6



#47

Tetrachloroethene

Concen: 2.084 ug/L

RT: 7.972 min Scan# 2156

Delta R.T. -0.000 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

Tgt Ion: 164 Resp: 26425

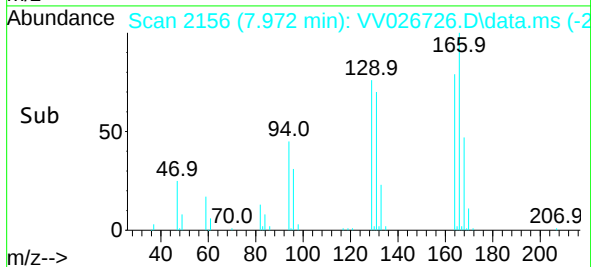
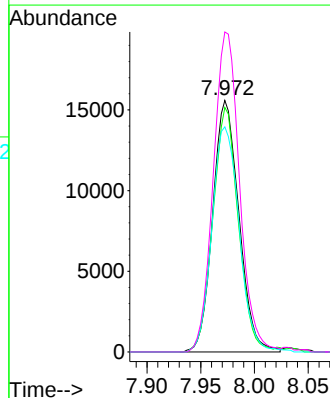
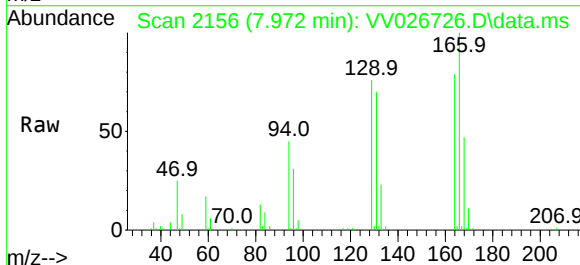
Ion Ratio Lower Upper

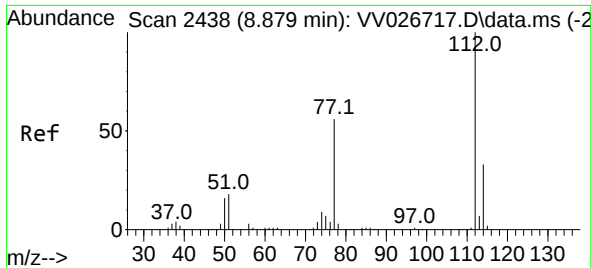
164 100

129 97.2 67.8 125.8

131 89.5 65.9 122.5

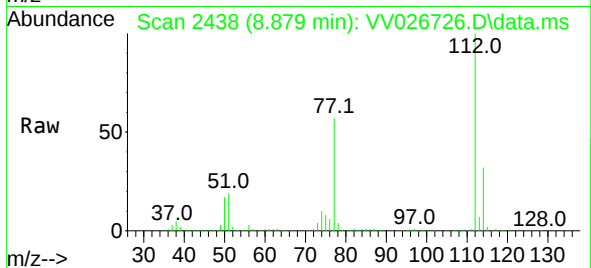
166 127.2 88.8 164.8



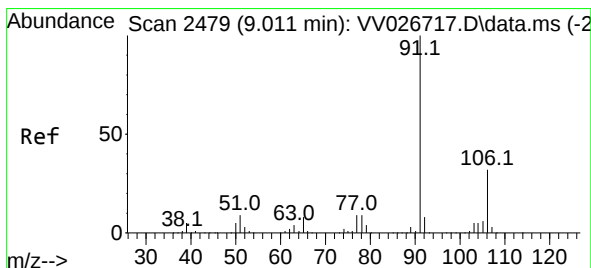
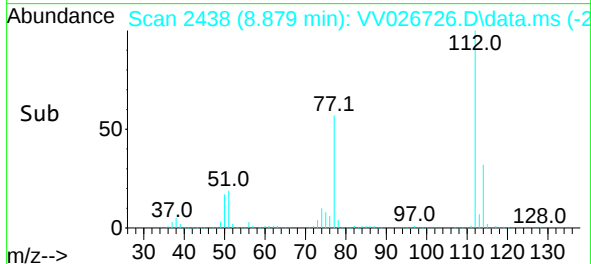
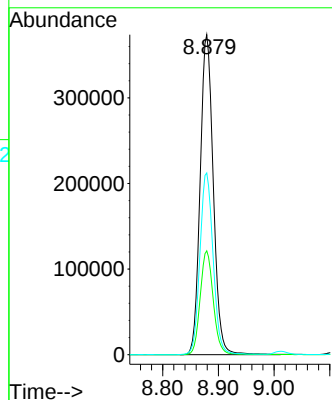


#51
Chlorobenzene
Concen: 14.565 ug/L
RT: 8.879 min Scan# 2438
Delta R.T. -0.000 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

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DBUB5

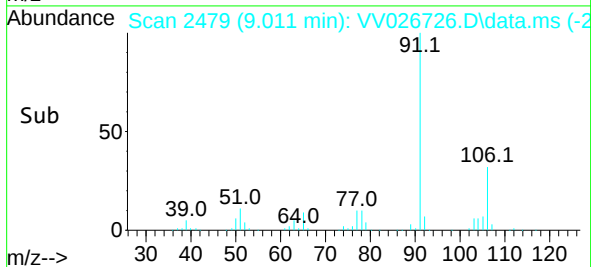
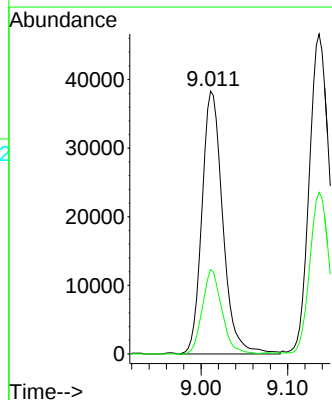
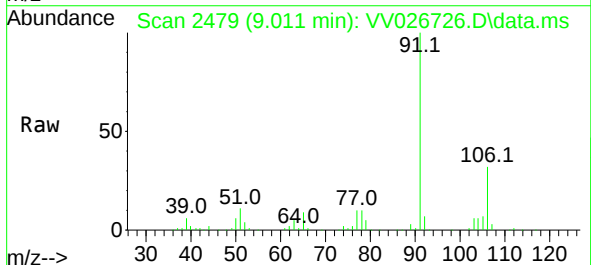


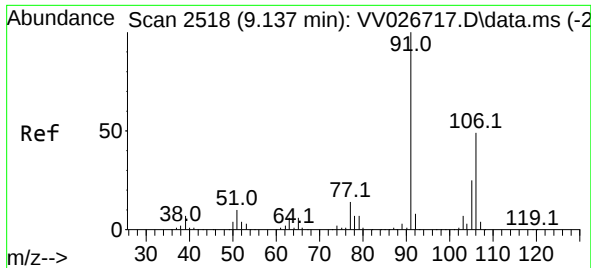
Tgt Ion:112 Resp: 611851
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.1
77 56.8 46.6 70.0



#52
Ethylbenzene
Concen: 0.975 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. -0.000 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

Tgt Ion: 91 Resp: 64104
Ion Ratio Lower Upper
91 100
106 32.1 21.6 40.2

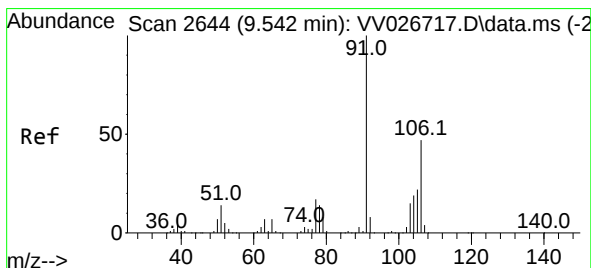
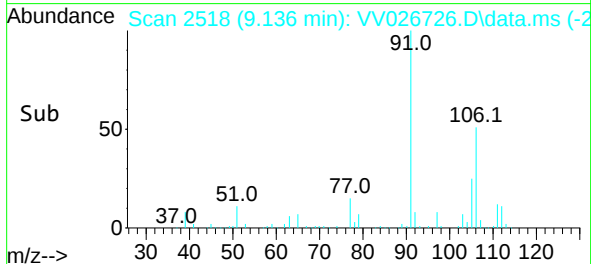
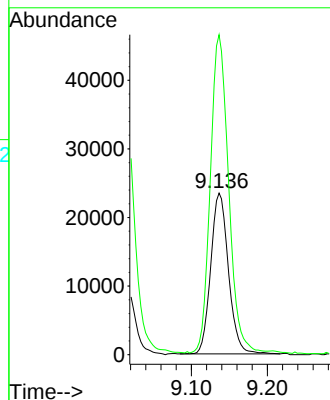
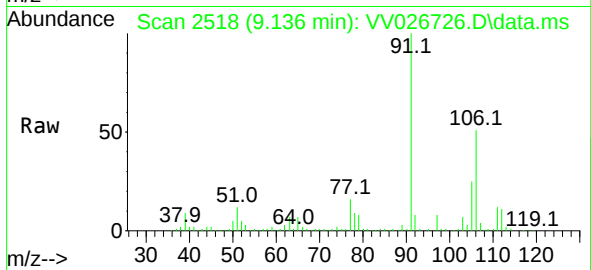




#53
m,p-Xylene
Concen: 1.484 ug/L
RT: 9.136 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

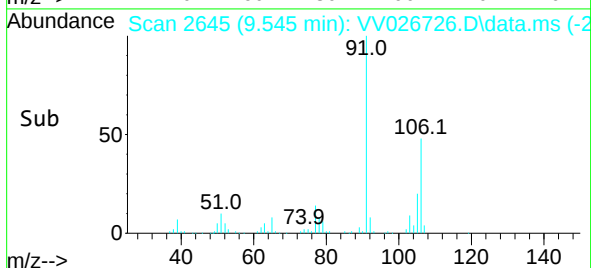
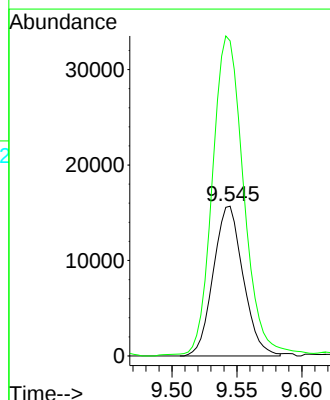
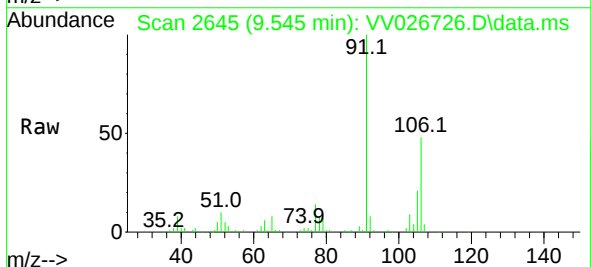
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

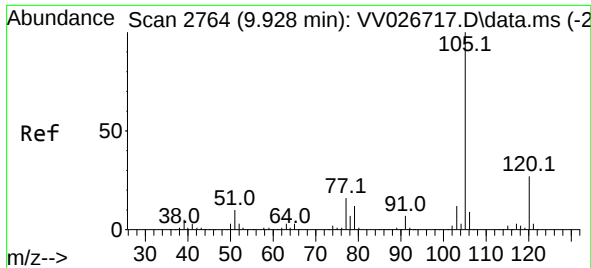
Tgt Ion:106 Resp: 37949
Ion Ratio Lower Upper
106 100
91 198.0 139.3 258.7



#54
o-Xylene
Concen: 1.032 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

Tgt Ion:106 Resp: 25067
Ion Ratio Lower Upper
106 100
91 210.4 151.1 280.7

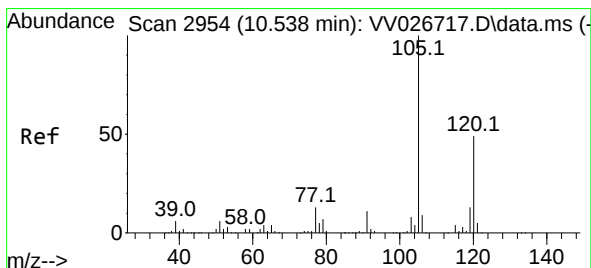
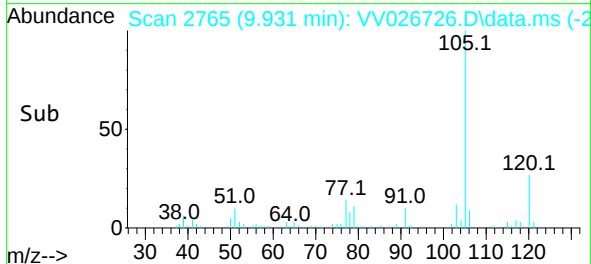
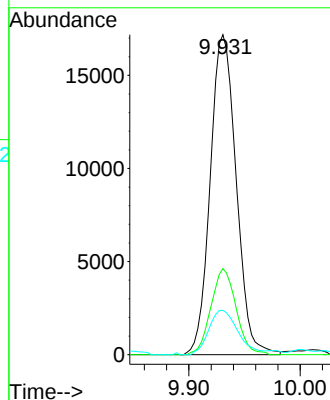
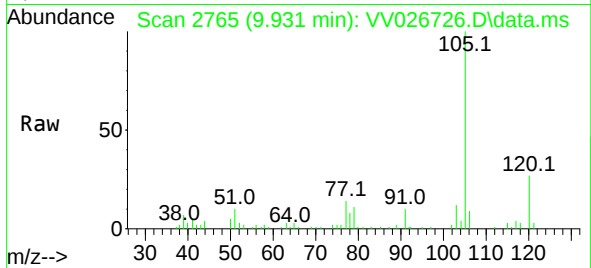




#60
Isopropylbenzene
Concen: 0.402 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

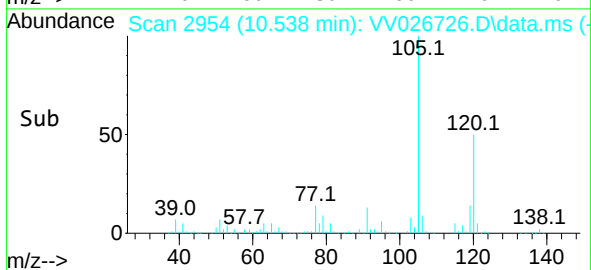
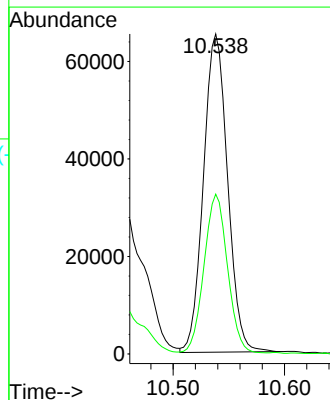
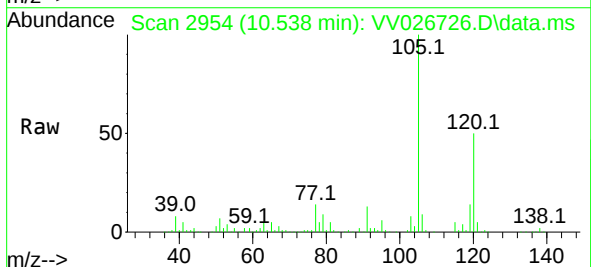
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

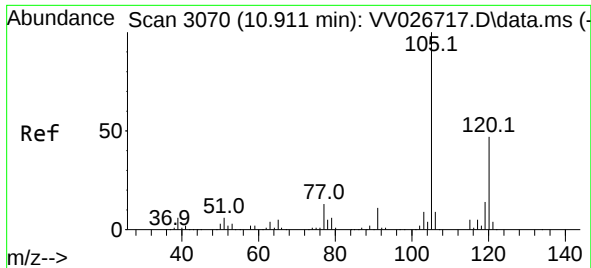
Tgt Ion:105 Resp: 27857
Ion Ratio Lower Upper
105 100
120 26.0 20.7 31.1
77 0.0 12.5 18.7#



#62
1,3,5-Trimethylbenzene
Concen: 1.784 ug/L
RT: 10.538 min Scan# 2954
Delta R.T. -0.000 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

Tgt Ion:105 Resp: 98265
Ion Ratio Lower Upper
105 100
120 48.5 39.6 59.4

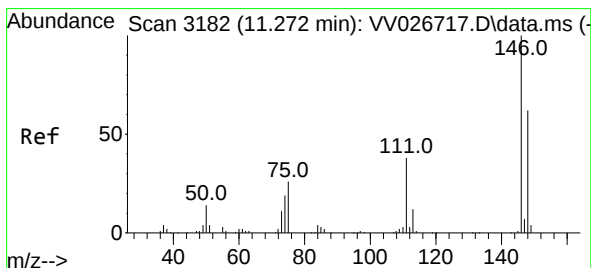
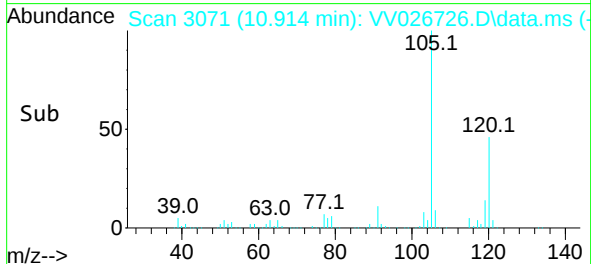
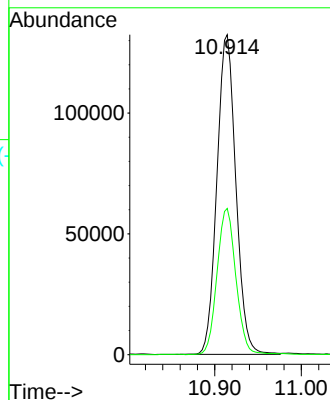
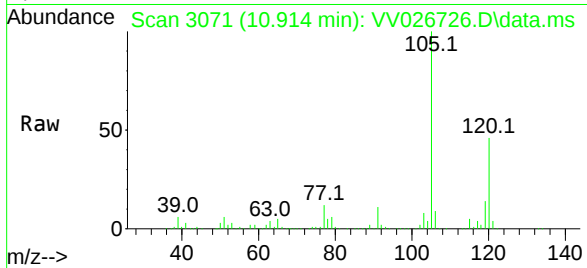




#63
1,2,4-Trimethylbenzene
Concen: 3.589 ug/L
RT: 10.914 min Scan# 3070
Delta R.T. 0.003 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

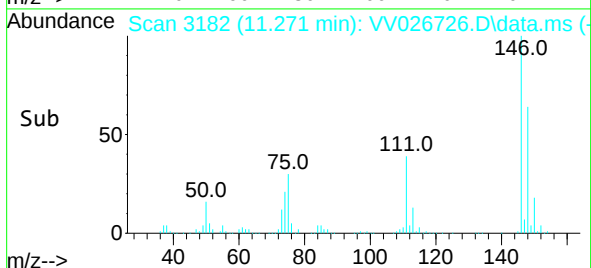
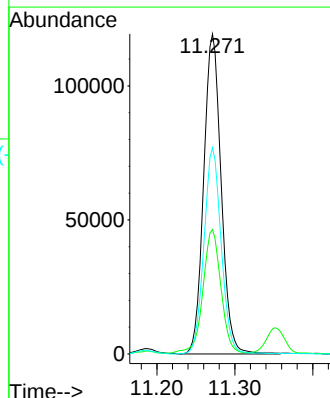
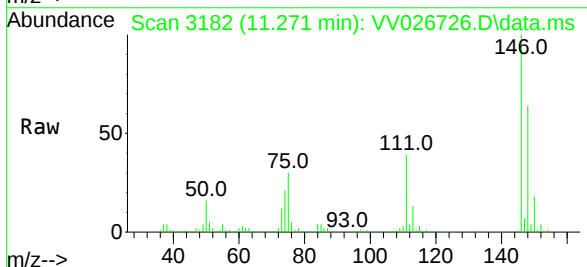
Instrument :
MSVOA_V
ClientSampleId :
DBUB5

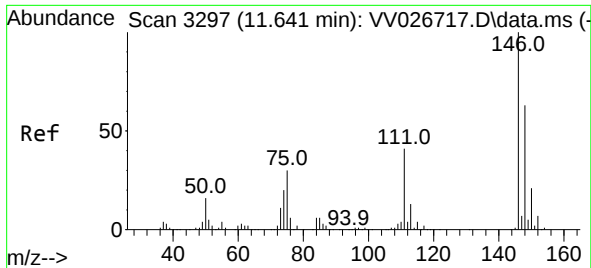
Tgt Ion:105 Resp: 200724
Ion Ratio Lower Upper
105 100
120 45.6 36.8 55.2



#65
1,4-Dichlorobenzene
Concen: 5.394 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.000 min
Lab File: VV026726.D
Acq: 12 Jul 2022 14:57

Tgt Ion:146 Resp: 186050
Ion Ratio Lower Upper
146 100
111 38.9 26.8 49.8
148 64.4 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 2.238 ug/L

RT: 11.641 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

Instrument :

MSVOA_V

ClientSampleId :

DBUB5

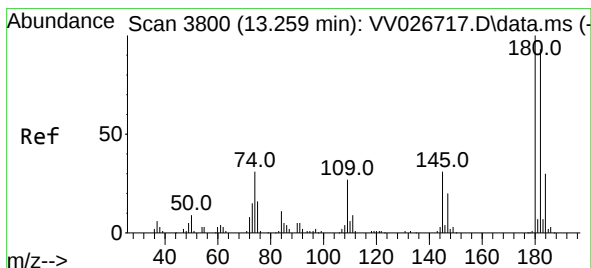
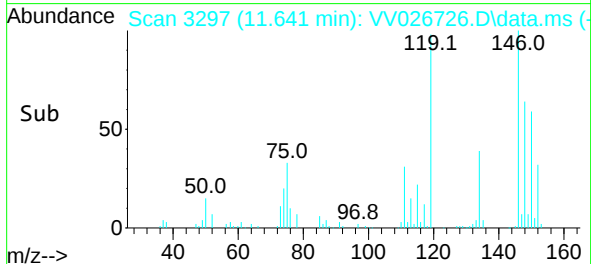
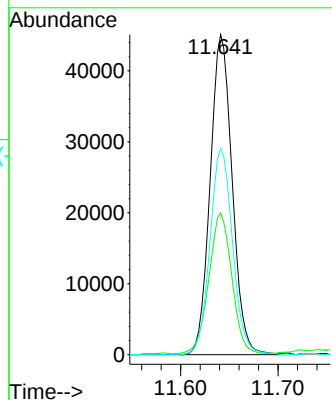
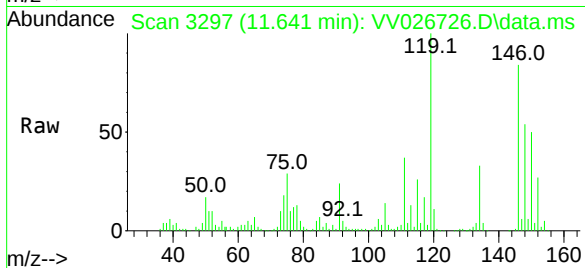
Tgt Ion:146 Resp: 70880

Ion Ratio Lower Upper

146 100

111 44.3 34.6 52.0

148 64.5 51.0 76.4



#70

1,2,4-trichlorobenzene

Concen: 0.281 ug/L

RT: 13.262 min Scan# 3801

Delta R.T. 0.003 min

Lab File: VV026726.D

Acq: 12 Jul 2022 14:57

Tgt Ion:180 Resp: 5119

Ion Ratio Lower Upper

180 100

182 97.2 74.7 112.1

145 82.8 24.7 37.1#

